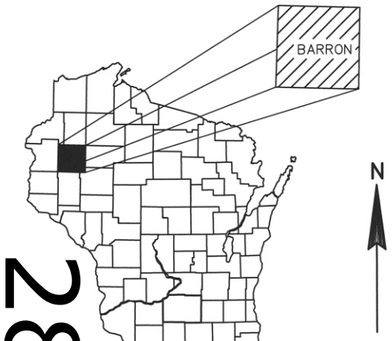
SUP

DECEMBER 2019

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 = 710



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1197-19-70	WISC 2019751	1
8120-00-72	WISC 2019762	1

RICE LAKE - SPOONER

STH 48 INTERCHANGE

USH 53

BARRON COUNTY

STATE PROJECT NUMBER
1197-19-70

C RICE LAKE, WEST KNAPP STREET

WEST AVENUE INTERSECTION

STH 48

BARRON COUNTY

STATE PROJECT NUMBER
8120-00-72

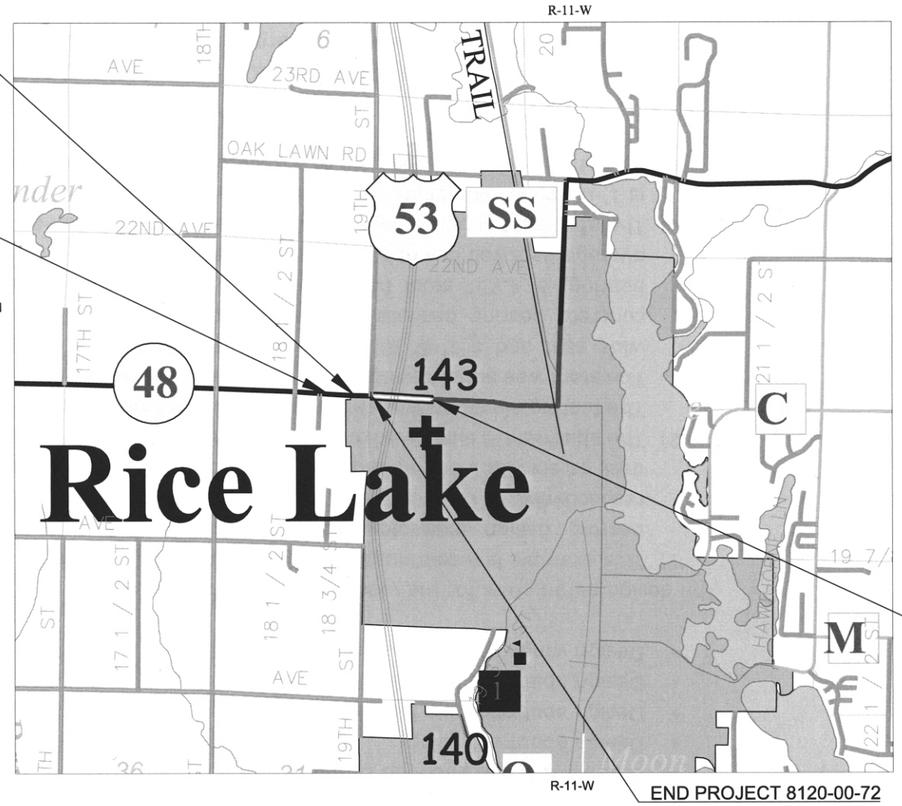
PROJECT ID: 1197-19-70, 8120-00-72

COUNTY: BARRON

28

BEGIN PROJECT 8120-00-72
STA 110+75.00EB
Y=137,141.147
X=326,731.411

BEGIN PROJECT 1197-19-70
STA 109+00.00EB
Y=137,148.499
X=326,556.571



END PROJECT 1197-19-70
STA= 144+80.36EB

END PROJECT 8120-00-72
STA 119+00.00EB

LAYOUT

SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.678 MI. (1197-19-70)
0.156 MI. (8120-00-72)

TOTAL 0.678 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), BARRON COUNTY

DESIGN DESIGNATION			1197-19-70	8120-00-72
A.A.D.T.	(2020)	=	5300-9900	5300
A.A.D.T.	(2040)	=	7300-12500	7300
D.H.V.	(2040)	=	8.9%	10.3%
D.D.		=	59/41	60/40
T.	(2040)	=	10.3%	12.3%
DESIGN SPEED		=	40 MPH	55/40 MPH
ESALS		=	1,800,000	

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

ORIGINAL PLANS PREPARED BY

Mead & Hunt

Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

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

7/19/2019

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT/CBS SQUARED
Designer	MEAD & HUNT, INC.
Project Manager	BETH CUNNINGHAM, P.E.
Regional Examiner	
Regional Supervisor	ANDREW STENSLAND, P.E.
CO_EXAMINER	

APPROVED FOR THE DEPARTMENT
DATE: 7/16/19 Andrew Stensland (Signature)

E

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM NAVD 88.

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 IS 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 ARE TO BE 4-INCH SALVAGED TOPSOIL, FERTILIZED, SEEDED AND MULCHED.

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

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 PAVEMENTS AT REMOVAL LIMITS.

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

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

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.

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

	UPPER	LOWER
ASPHALTIC SURFACE	1 ½"	1 ½"
TEMPORARY ASPHALTIC SURFACE	2"	3"
3" HMA PAVEMENT	1 ½"	1 ½"
3 ½" HMA PAVEMENT	1 ¾"	1 ¾"
1 ½" HMA PAVEMENT	1 ½"	
4" HMA PAVEMENT	1 ¾"	2 ¼"

CURB RAMP TYPES ARE SHOWN ON CURB RAMP DETAIL SHEETS.

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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

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.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN (OR UNIT WEIGHT USED IF DIFFERENT).

THE FOLLOWING CONVERSION FACTORS ARE USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE:
- ¾-INCH = 2.1 TONS/CY
- 1¼-INCH = 2.0 TONS/CY

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CURB RAMP DETAILS
REMOVALS
PLAN DETAILS
PAVING GRADE DETAILS
EROSION CONTROL
STORM SEWER
LIGHTING PLAN
TRAFFIC SIGNAL DETAILS
SIGNING REMOVALS
PAVEMENT MARKING & PERMANENT SIGNING
TRAFFIC CONTROL
ALIGNMENT DETAILS

UTILITY CONTACTS

BARRON ELECTRIC COOPERATIVE - ELECTRICITY
1434 N. STH 25
BARRON, WI 54812
(715) 537-3171
(715) 418-1137 - MOBILE
ATTN: SUSAN DAU
SDAU@BARRONELECTRIC.COM

CENTURYLINK - COMMUNICATION LINE
20 S WILSON AVE
RICE LAKE, WI 54868
(715) 234-5573
(715) 292-0082 - MOBILE
ATTN: KYLE SCHLAMPP
KYLE.SCHLAMPP@CENTURYLINK.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
2304 S MAIN STREET
RICE LAKE, WI 54868
(715) 719-0561
(715) 651-7488 - MOBILE
ATTN: JAMEY OLDEEN
JAMEY.OLDEEN@CHARTER.COM

MOSAIC TELECOM - COMMUNICATION LINE
401 S 1ST STREET
CAMERON, WI 54822
(715) 458-5378
(715) 458-5518 - MOBILE
ATTN: DENNIS RUSSETT
CTCDENNIS@MOSAICTELECOM.COM

PACKERLAND BROADBAND - COMMUNICATION LINE
(A/K/A CCI SYSTEMS, INC.)
P.O. BOX 885
IRON MOUNTAIN, MI 49801
(906) 776-2609
(906) 221-7536 - MOBILE
ATTN: ANDREW HEIGL
ANDY.HEIGL@PLBB.NET

RICE LAKE UTILITIES - ELECTRICITY
320 W COLEMAN ST
RICE LAKE, WI 54868
(715) 234-7004
(715) 651-0223 - MOBILE
ATTN: TIM AABY
TIMA@RICELAKEUTILITIES.COM

RICE LAKE UTILITIES - WATER
320 W COLEMAN
RICE LAKE, WI 54868
(715) 234-7004
(715) 651-3374 - MOBILE
ATTN: CHAD PAULSON
CHADP@RICELAKEUTILITIES.COM

CITY OF RICE LAKE - SEWER
910 S. WISCONSIN AVENUE
RICE LAKE, WI 54868
(715) 234-7402
(715) 234-8215 - MOBILE
ATTN: JAMES S ANDERSON
JANDERSON@CI.RICE-LAKE.WI.US

WE ENERGIES - GAS/PETROLEUM
104 W SOUTH STREET
RICE LAKE, WI 54868
(715) 234-9605
(715) 213-4327 - MOBILE
ATTN: STEVEN CHAVERS
STEVEN.CHAVERS@WE-ENERGIES.COM

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

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326 S. MAIN STREET
RICE LAKE, WI 54868
(715) 234-7402
JANDERSON@RICELAKEGOV.ORG

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DNR NORTHERN REGION HQ
810 W. MAPLE STREET
SPOONER, WI 54801
(715) 635-4229
AMY.CRONK@WISCONSIN.GOV

CONSULTANT CONTACT
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2440 DEMING WAY
MIDDLETON, WI 53562
ATTN: MR. SCOTT HASBURGH, P.E.
TELEPHONE: 608-273-6380
E-MAIL:
SCOTT.HASBURGH@MEADHUNT.COM

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
BK	BACK
BF	BACK FACE
BL or B/L	BASE LINE
BM	BENCH MARK
BLK	BLOCK
BR	BRIDGE
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
CY or CUYD	CUBIC YARD
CULV	CULVERT
CP	CULVERT PIPE
CG	C & G CURB AND GUTTER
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
EVP	EMERGENCY VEHICLE PREEMPT
EVPR	EMERGENCY VEHICLE PREEMPT RECEIVER
EW	ENDWALL
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EX or EXIST	EXISTING
FL or F/L	FLOW LINE
FT	FOOT
FTG	FOOTING
FDN	FOUNDATION
FTMS	FREEWAY TRAFFIC MANAGEMENT SYSTEM
G	GARAGE
GN	GRID NORTH
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
HES	HIGH EARLY STRENGTH
H	HOUSE
HYD	HYDRANT
IN DIA	INCH DIAMETER
INTERS	INTERSECTION
INV	INVERT
IP	IRON PIPE OR PIN
JT	JOINT
JCT	JUNCTION
LT	LEFT
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LIN FT or LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MAINT	MAINTENANCE
MH	MANHOLE
MP	MARKER POST
M	MARSH
ML or M/L	MATCH LINE
MATL	MATERIAL
MB	MESSAGE BOARD
NOM	NOMINAL
NRCPSS	NON REINFORCED CONCRETE PIPE STORM SEWER
NC	NORMAL CROWN
NW or N/W	NORMAL WATER
N	NORTH
Y	NORTH GRID COORDINATE
NB	NORTHBOUND
NO	NUMBER
OBLIT	OBLITERATE
OL	OUT LOT
OD	OUTSIDE DIAMETER
PAVT	PAVEMENT
PERM	PERMANENT
PLE	PERMANENT LIMITED EASEMENT
PU	PIPE UNDERDRAIN
PUDT	PIPE UNDERDRAIN DRAIN
PUU	PIPE UNDERDRAIN UNPERFORATED
PT	POINT
PCC	POINT OF COMPOUND CURVE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PCC	PORTLAND CEMENT CONCRETE
LB Pound	LB POUND
PSI	POUNDS PER SQUARE INCH
PE	PRIVATE ENTRANCE
PROJ	PROJECT
PL	PROPERTY LINE
R	RADIUS
RP	RADIUS POINT
RR	RAILROAD
RM	RAMP METER
R	RANGE
RECY	RECYCLED
RL or R/L	REFERENCE LINE
RP	REFERENCE POINT
RCCP	REINFORCED CONCRETE CULVERT PIPE
CP	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
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
SY or SQ YD	SQUARE YARD
STD	STANDARD
SDD	STANDARD DETAIL DRAWINGS
STH	STATE TRUNK HIGHWAYS
STA	STATION
SS	STORM SEWER
SE	SUPERELEVATION
SURF	SURFACE
T	TANGENT
TEL	TELEPHONE
TEMP	TEMPORARY
TI	TEMPORARY INTEREST
TLE	TEMPORARY LIMITED EASEMENT
TPM	TEMPORARY PAVEMENT MARKING
TPMRT	TEMPORARY PAVEMENT MARKING REMOVABLE TAPE
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

2

2

N

END PROJECT 1197-19-70
STA= 144+80.36EB

END PROJECT 8120-00-72
STA 119+00.00EB

BEGIN PROJECT
1197-19-70
STA 109+00.00EB
Y=137,148.499
X=326,556.571

WEST AVE - 19 TH STREET

CENEX DRIVE

US 53 SB OFF RAMP 'D'

US 53

US 53 NB ON RAMP 'A'

BRISTOL STREET

BEAR PAW AVE

HAZLEWOOD AVE

WIS 48

FRONTAGE ROAD

KNAPP STREET

EXISTING B-03-48

EXISTING B-03-49

BEGIN PROJECT
8120-00-72
STA 110+75.00EB
Y=137,141.147
X=326,731.411

US 53 SB ON RAMP 'C'

US 53 NB OFF RAMP 'B'

STOUT STREET

HAVEL ROAD

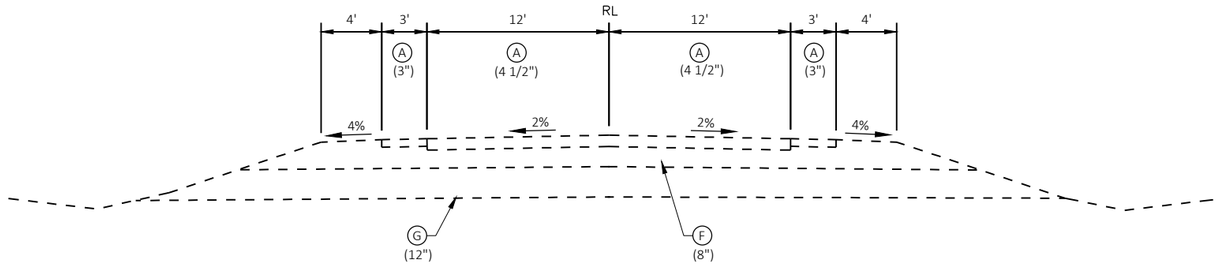
MARSHALL STREET

MARSHALL STREET

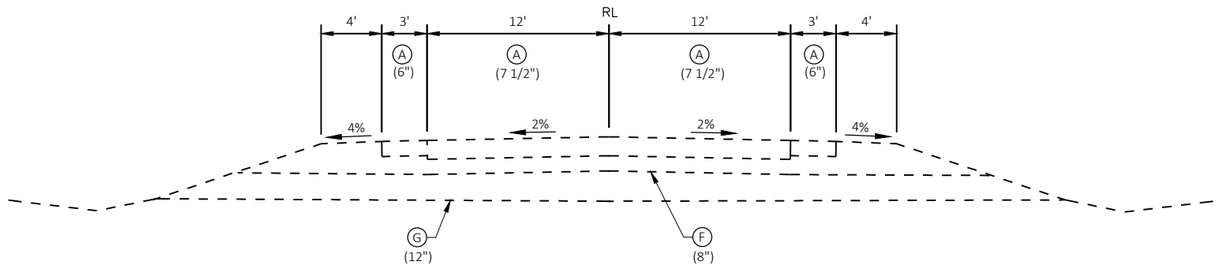
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201_po
PLOT DATE : 7/24/2019 11:07 AM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

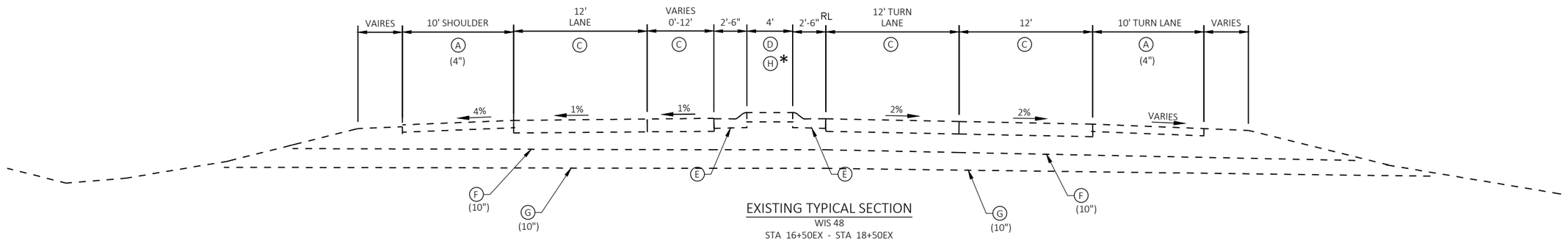
2



EXISTING TYPICAL SECTION
WIS 48
STA 10+00EX - STA 10+75±EX



EXISTING TYPICAL SECTION
WIS 48
STA 10+75±EX - STA 16+50EX

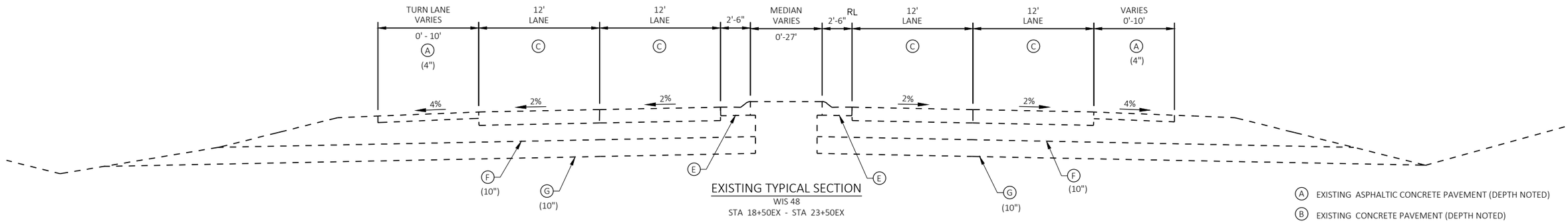


EXISTING TYPICAL SECTION
WIS 48
STA 16+50EX - STA 18+50EX
* STA 16+60EX - STA 16+90EX

(A) EXISTING ASPHALTIC CONCRETE PAVEMENT (DEPTH NOTED)
(B) EXISTING CONCRETE PAVEMENT (DEPTH NOTED)
(C) EXISTING 8" REINFORCED CONCRETE PAVEMENT
(D) EXISTING CONCRETE SIDEWALK
(E) EXISTING CONCRETE CURB & GUTTER
(F) EXISTING BASE AGGREGATE (DEPTH NOTED)
(G) EXISTING GRANULAR SUBBASE (DEPTH NOTED)
*(H) EXISTING CONCRETE CORRUGATED MEDIAN

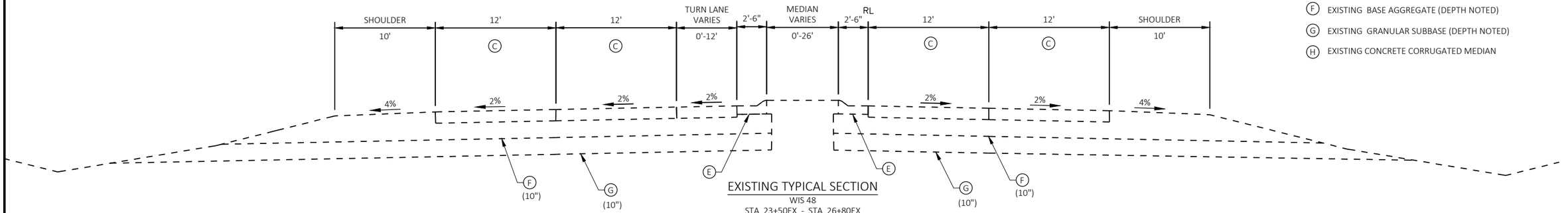
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - EXISTING	SHEET 5	E

2

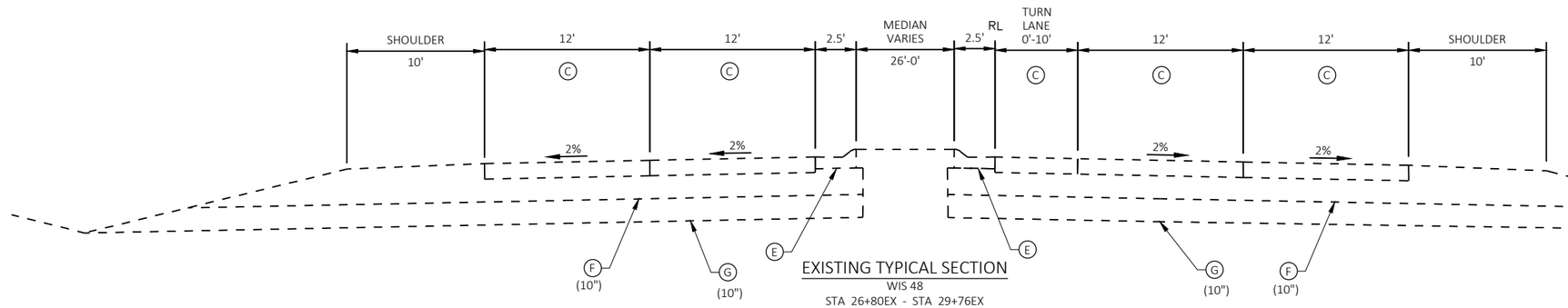


EXISTING TYPICAL SECTION
WIS 48
STA 18+50EX - STA 23+50EX

- (A) EXISTING ASPHALTIC CONCRETE PAVEMENT (DEPTH NOTED)
- (B) EXISTING CONCRETE PAVEMENT (DEPTH NOTED)
- (C) EXISTING 8" REINFORCED CONCRETE PAVEMENT
- (D) EXISTING CONCRETE SIDEWALK
- (E) EXISTING CONCRETE CURB & GUTTER
- (F) EXISTING BASE AGGREGATE (DEPTH NOTED)
- (G) EXISTING GRANULAR SUBBASE (DEPTH NOTED)
- (H) EXISTING CONCRETE CORRUGATED MEDIAN



EXISTING TYPICAL SECTION
WIS 48
STA 23+50EX - STA 26+80EX

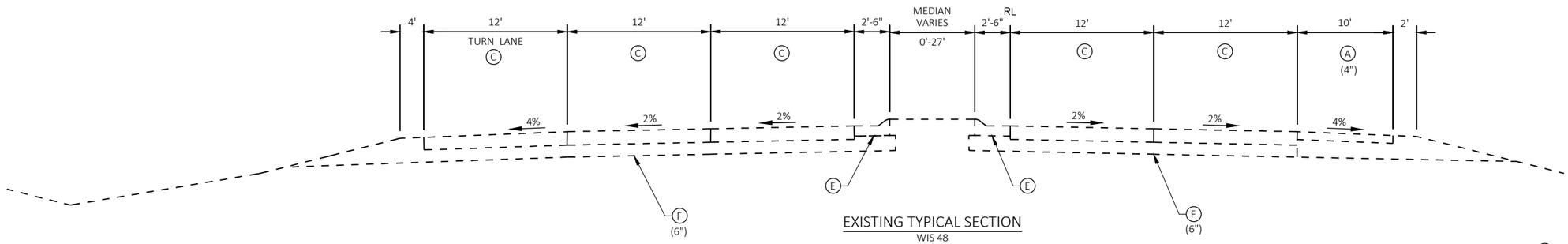


EXISTING TYPICAL SECTION
WIS 48
STA 26+80EX - STA 29+76EX

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - EXISTING	SHEET 6	E

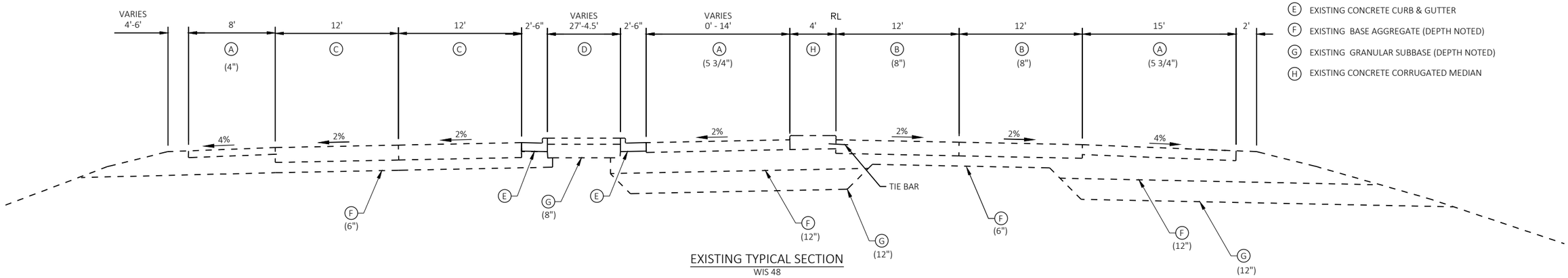
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020302_ts - Existing

PLOT DATE : 7/24/2019 11:07 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:10 FT

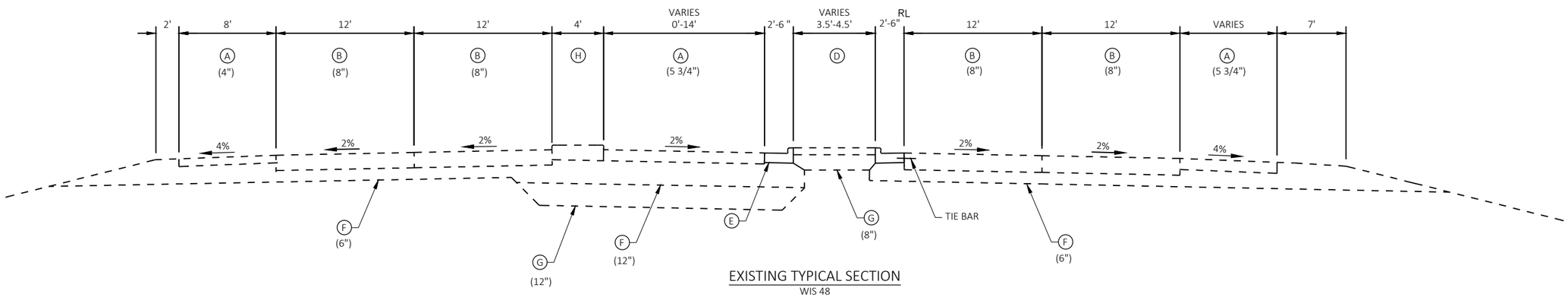


EXISTING TYPICAL SECTION
WIS 48
STA 29+76EX - STA 32+47EX

- (A) EXISTING ASPHALTIC CONCRETE PAVEMENT (DEPTH NOTED)
- (B) EXISTING CONCRETE PAVEMENT (DEPTH NOTED)
- (C) EXISTING 8" REINFORCED CONCRETE PAVEMENT
- (D) EXISTING CONCRETE SIDEWALK
- (E) EXISTING CONCRETE CURB & GUTTER
- (F) EXISTING BASE AGGREGATE (DEPTH NOTED)
- (G) EXISTING GRANULAR SUBBASE (DEPTH NOTED)
- (H) EXISTING CONCRETE CORRUGATED MEDIAN



EXISTING TYPICAL SECTION
WIS 48
STA 32+47EX - STA 37+87EX

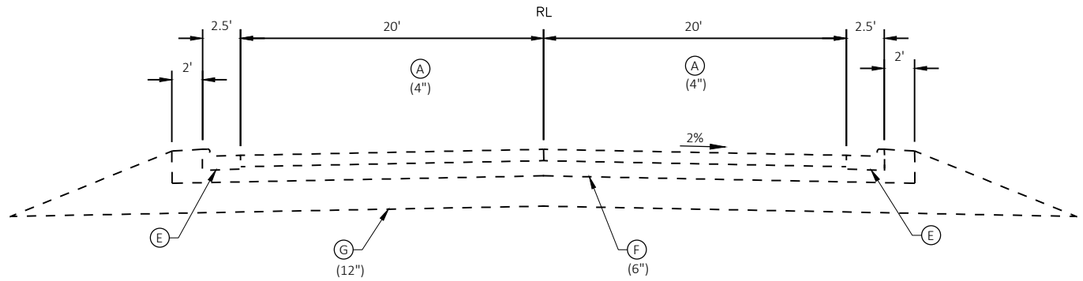


EXISTING TYPICAL SECTION
WIS 48
STA 37+87EX - EOP

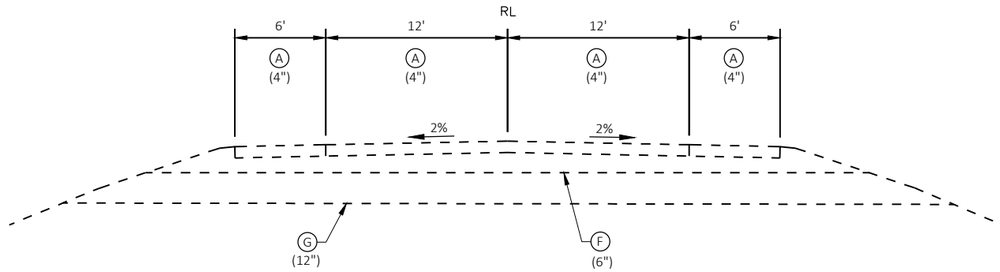
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - EXISTING	SHEET 7	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020303_ts - Existing
PLOT DATE : 7/24/2019 11:07 AM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

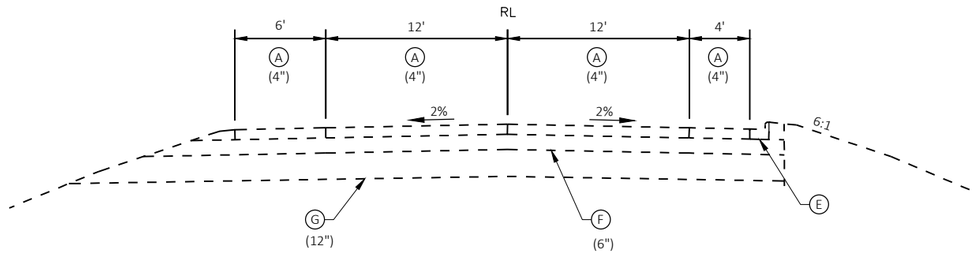
2



EXISTING TYPICAL SECTION
WEST AVENUE (NORTH)
STA 13+96EX - STA 17+49EX



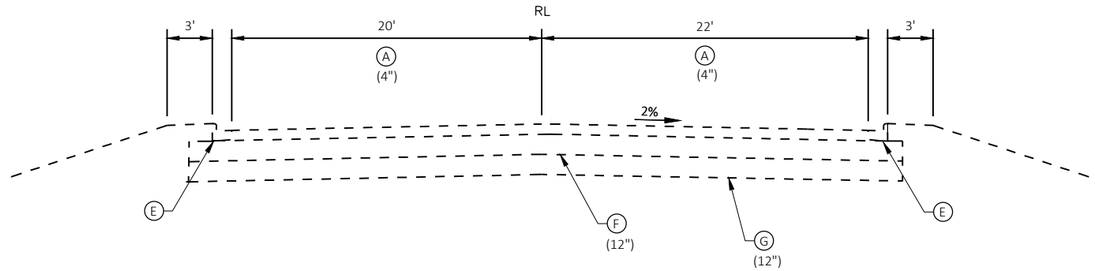
EXISTING TYPICAL SECTION
WEST AVENUE (SOUTH)
STA 11+51EX - STA 13+13EX



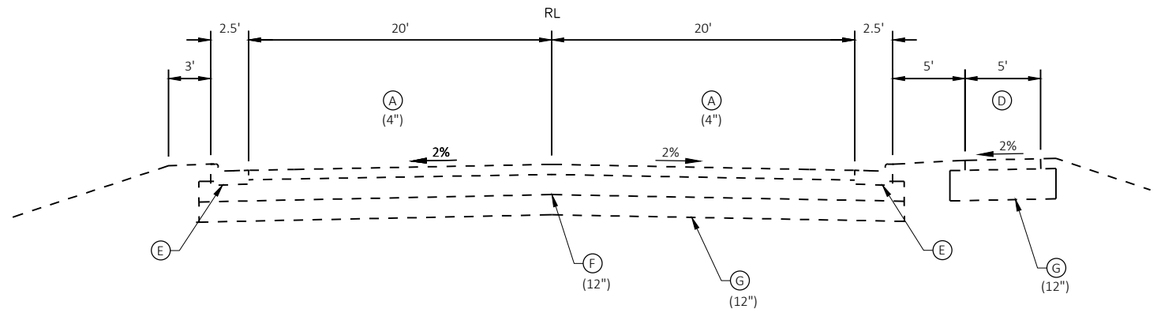
EXISTING TYPICAL SECTION
WEST AVENUE (SOUTH)
STA 10+00EX - STA 11+51EX

- (A) EXISTING ASPHALTIC CONCRETE PAVEMENT (DEPTH NOTED)
- (B) EXISTING CONCRETE PAVEMENT (DEPTH NOTED)
- (C) EXISTING 8" REINFORCED CONCRETE PAVEMENT
- (D) EXISTING CONCRETE SIDEWALK
- (E) EXISTING CONCRETE CURB & GUTTER
- (F) EXISTING BASE AGGREGATE (DEPTH NOTED)
- (G) EXISTING GRANULAR SUBBASE (DEPTH NOTED)
- (H) EXISTING CONCRETE CORRUGATED MEDIAN

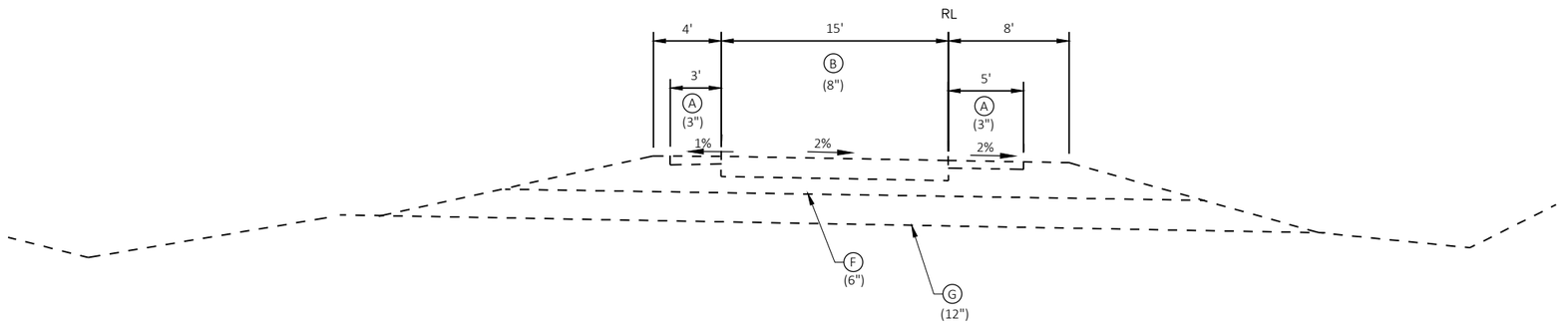
2



EXISTING TYPICAL SECTION
BEAR PAW AVENUE (NORTH)
STA 12+75EX - STA 14+60EX



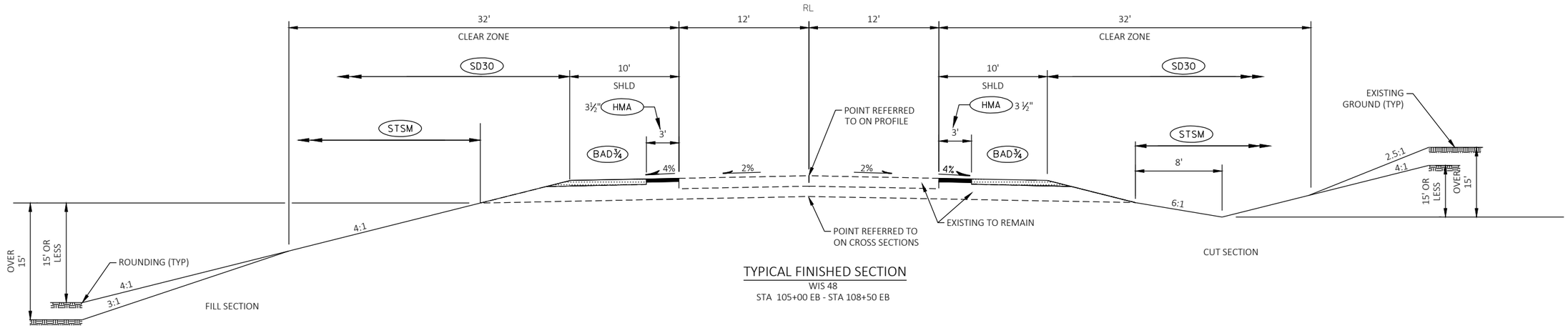
EXISTING TYPICAL SECTION
BEAR PAW AVENUE (SOUTH)
STA 10+00EX - STA 11+70EX



EXISTING TYPICAL SECTION
US 53 RAMPS
RAMP A STA 302+30A - STA 304+00A
RAMP B STA 405+50B - STA 408+50B
RAMP C STA 508+00C - STA 508+36C
RAMP D STA 602+00D - STA 603+25D

- (A) EXISTING ASPHALTIC CONCRETE PAVEMENT (DEPTH NOTED)
- (B) EXISTING CONCRETE PAVEMENT (DEPTH NOTED)
- (C) EXISTING 8" REINFORCED CONCRETE PAVEMENT
- (D) EXISTING CONCRETE SIDEWALK
- (E) EXISTING CONCRETE CURB & GUTTER
- (F) EXISTING BASE (DEPTH NOTED)
- (G) EXISTING GRANULAR SUBBASE (DEPTH NOTED)
- (H) EXISTING CONCRETE CORRUGATED MEDIUM

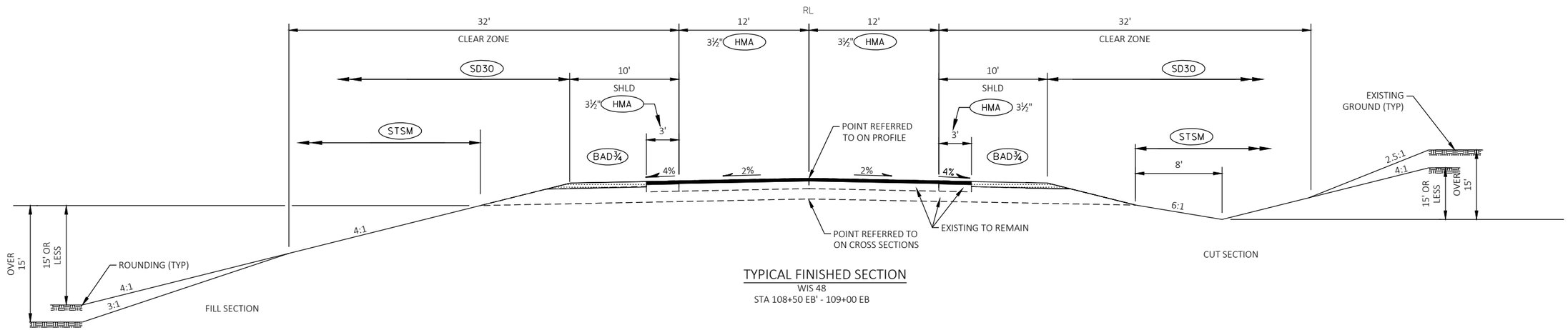
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - EXISTING	SHEET 9	E



TYPICAL FINISHED SECTION
WIS 48
STA 105+00 EB - STA 108+50 EB

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

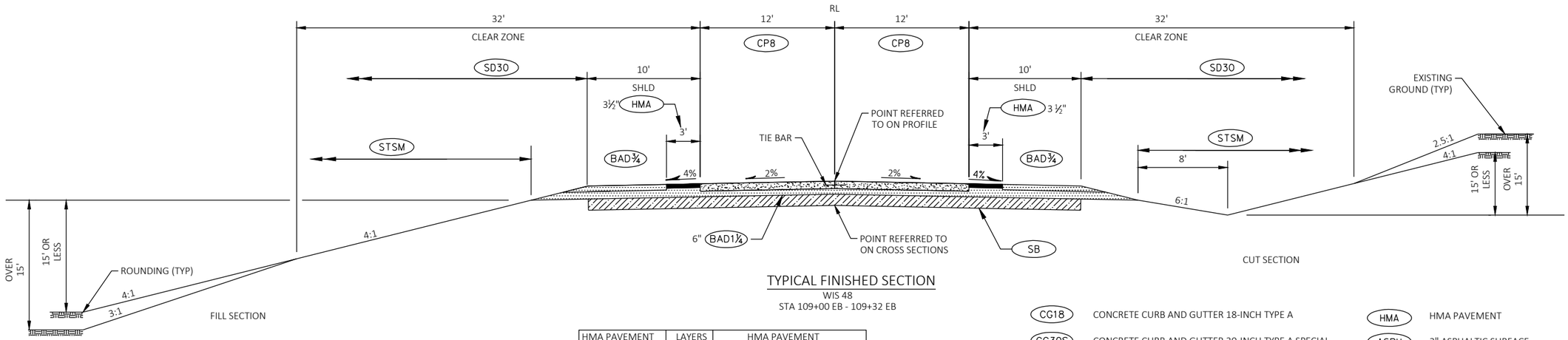
CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT



TYPICAL FINISHED SECTION
WIS 48
STA 108+50 EB' - 109+00 EB

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - STH 48	SHEET 10	E

2

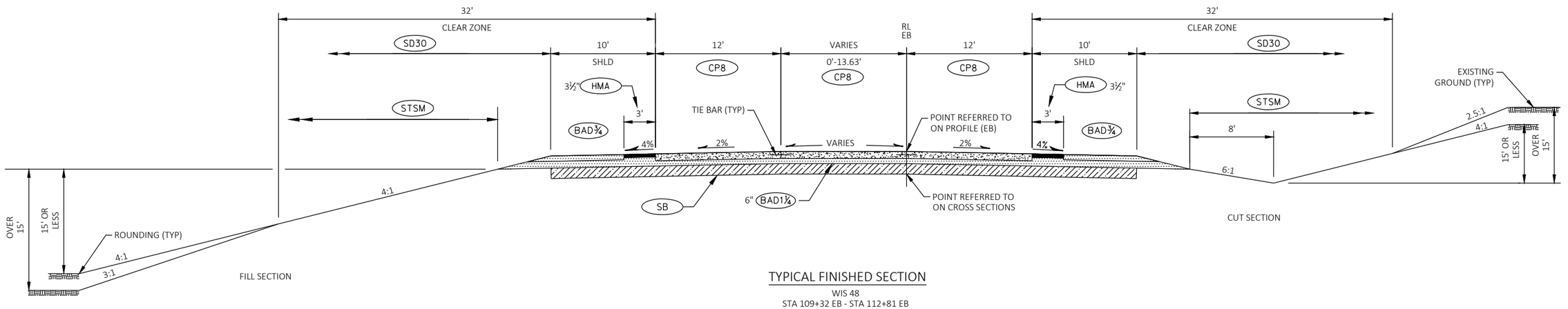


TYPICAL FINISHED SECTION

WIS 48
STA 109+00 EB - 109+32 EB

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT

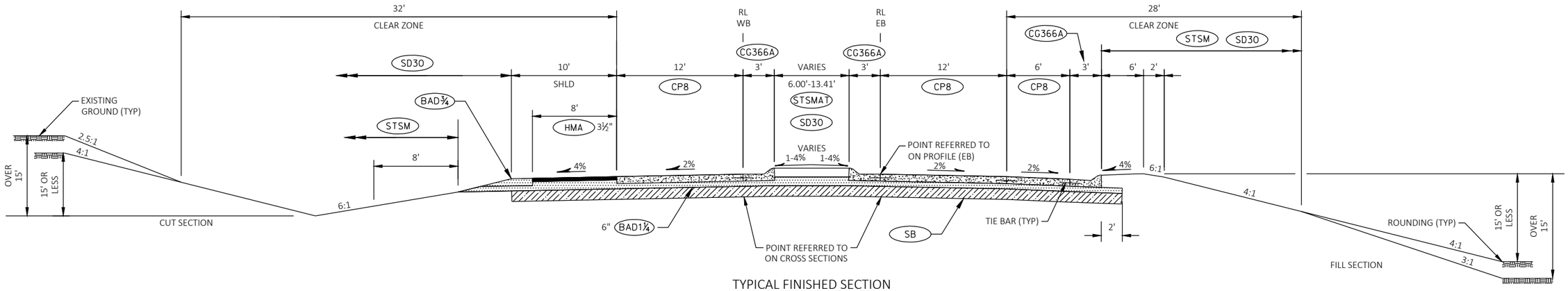


TYPICAL FINISHED SECTION

WIS 48
STA 109+32 EB - STA 112+81 EB

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TYPICAL SECTIONS - STH 48	SHEET 11	E

2

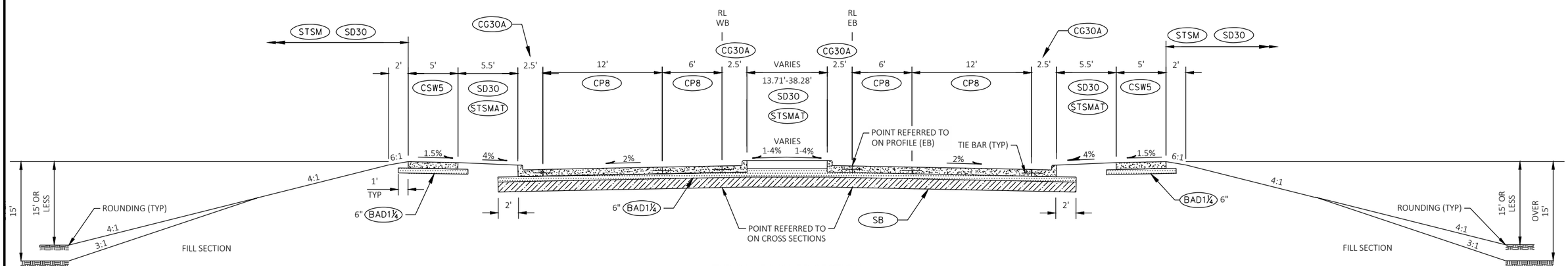


TYPICAL FINISHED SECTION

WIS 48
STA 112+81 EB - STA 115+00 EB

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

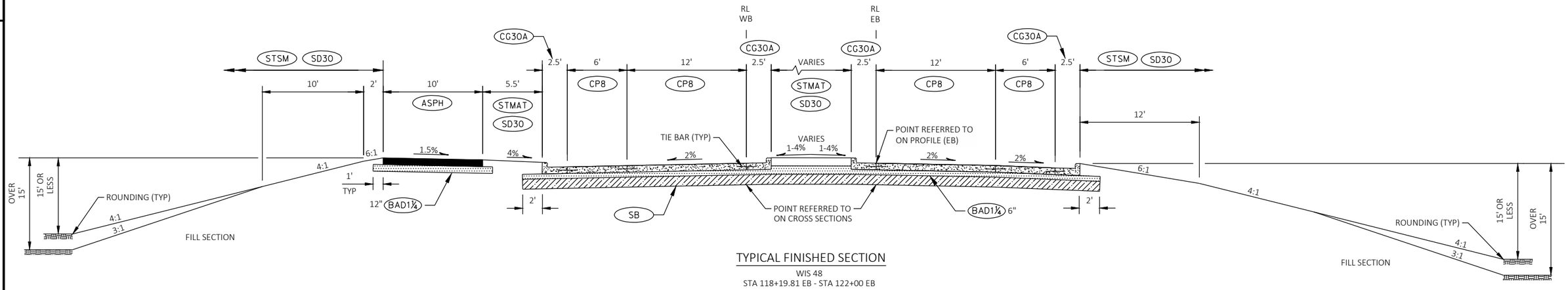
CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT



TYPICAL FINISHED SECTION

WIS 48
STA 115+00 EB - STA 116+50 EB
STA 129+88.82 EB - STA 132+00 EB

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TYPICAL SECTIONS - STH 48	SHEET 12 E

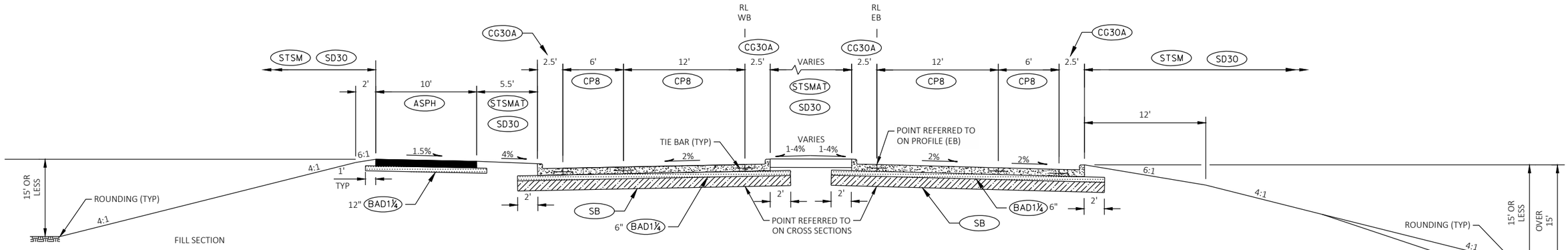


TYPICAL FINISHED SECTION

WIS 48
STA 118+19.81 EB - STA 122+00 EB

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT



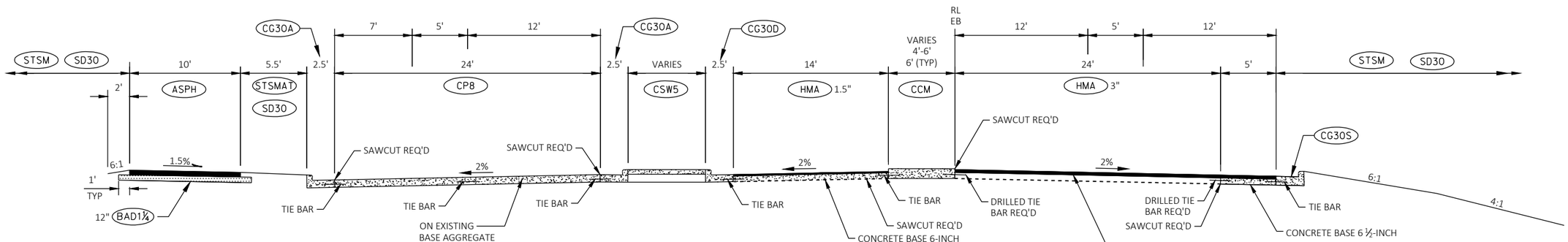
TYPICAL FINISHED SECTION

WIS 48
STA 123+64.75 EB - STA 128+33.57 EB
STA 130+06.00 EB - STA 132+60.00 EB

WB SB AND BAD ENDS AT STA 233+48.39 WB

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT



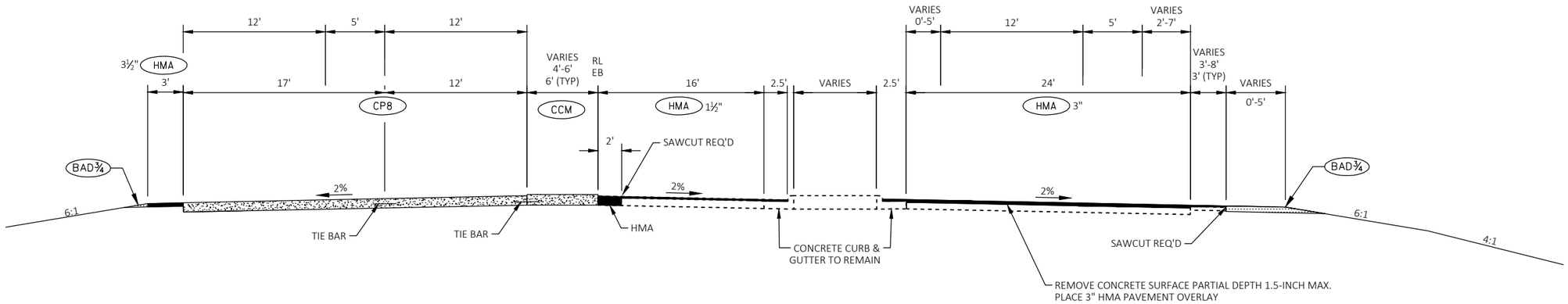
TYPICAL FINISHED SECTION

WIS 48
STA 132+60 EB - STA 137+16 EB

WB EXISTING BASE TO REMAIN
AT STA 233+48.39 WB

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - STH 48	SHEET 14	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\020302_TS-PROPOSED.DWG
LAYOUT NAME - 020310_ts-Proposed
PLOT DATE : 10/7/2019 11:53 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : ##########

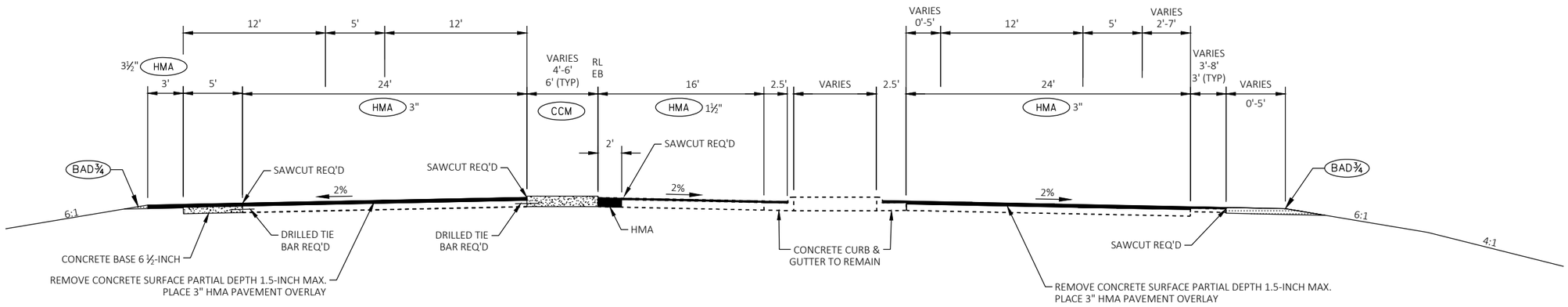


TYPICAL FINISHED SECTION

WIS 48
STA 137+16 EB - STA 138+55 EB
WB CP8 ENDS AT 238+55WB

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

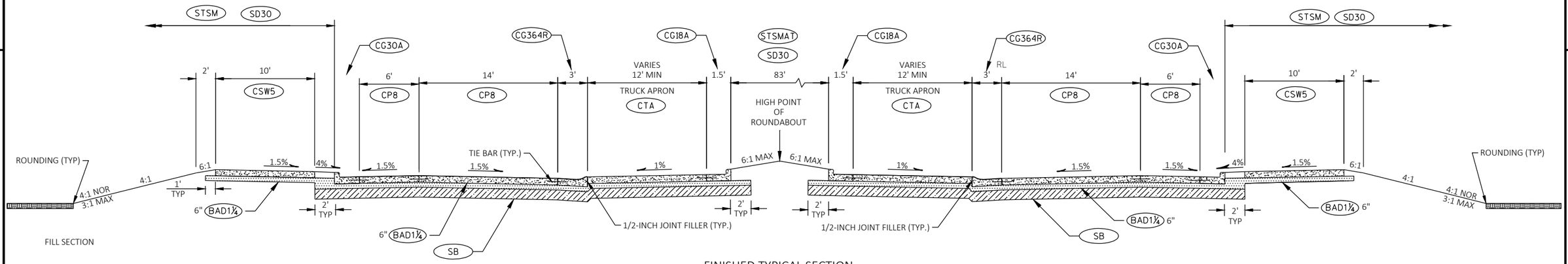
CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A	HMA	HMA PAVEMENT
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL	ASPH	3" ASPHALTIC SURFACE
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A	CCM	CONCRETE CORRUGATED MEDIAN
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D	CSW5	CONCRETE SIDEWALK 5-INCH
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R	BAD¾	BASE AGGREGATE DENSE ¾-INCH
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A	BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
CP8	CONCRETE PAVEMENT 8-INCH	SB	12" SELECT BORROW
CP8.5	CONCRETE PAVEMENT 8½-INCH	STSM	SALVAGED TOPSOIL AND MULCH
CTA	CONCRETE TRUCK APRON 12-INCH	SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
		STSMAT	SALVAGED TOPSOIL AND EMAT



TYPICAL FINISHED SECTION

WIS 48
STA 138+55 EB - STA 144+80.36 EB

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TYPICAL SECTIONS - STH 48	SHEET 15	E

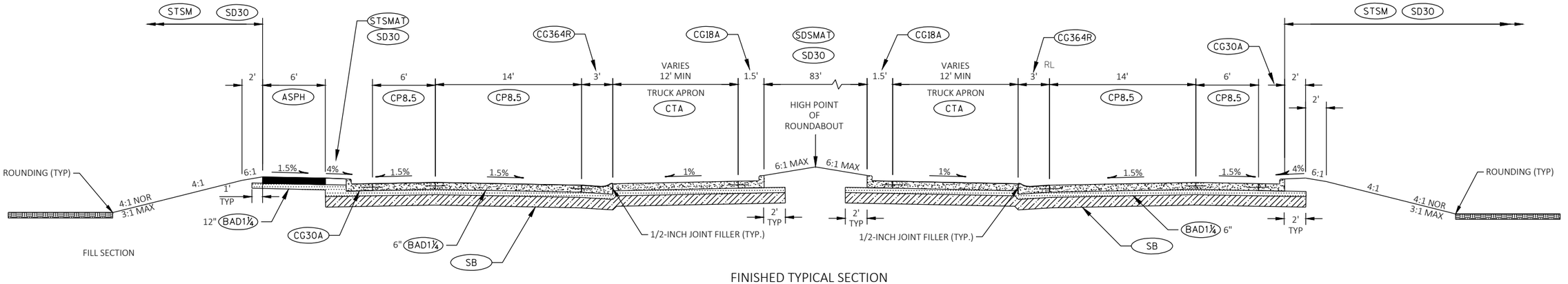


FINISHED TYPICAL SECTION

WEST AVE (ROUNDABOUT SECTION)

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

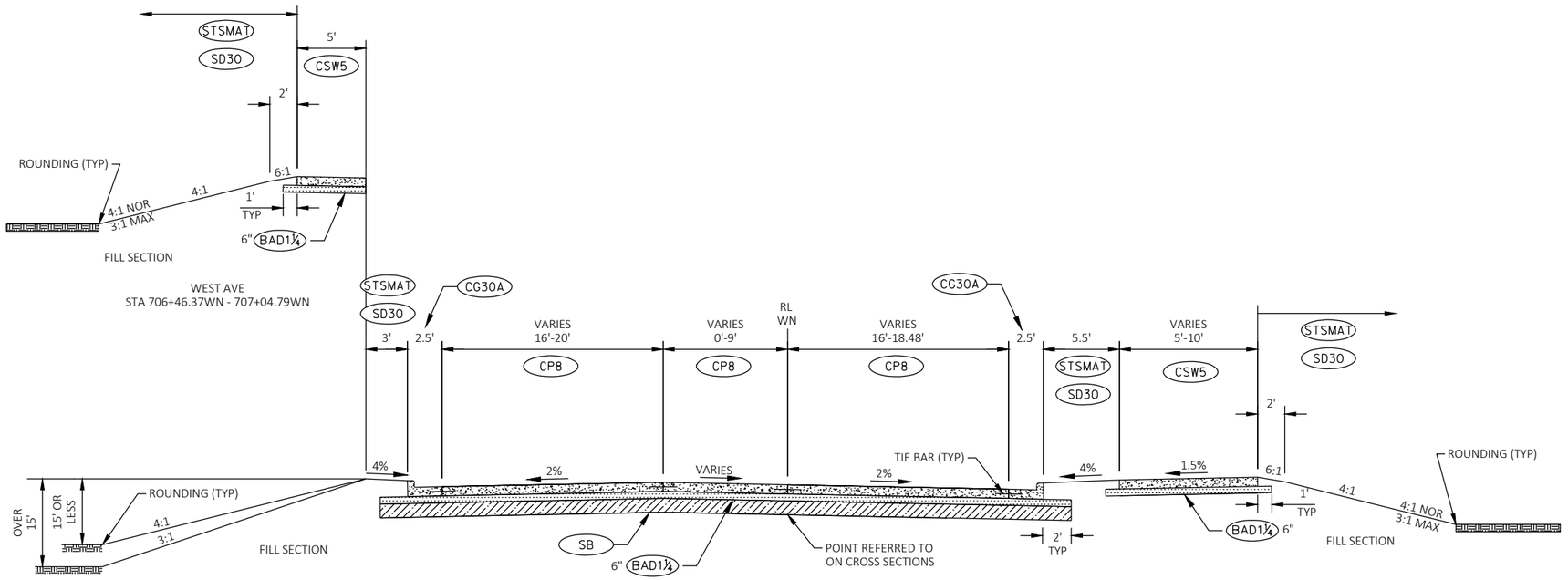
CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT



FINISHED TYPICAL SECTION

WIS 48 (ROUNDABOUT SECTION)

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TYPICAL SECTIONS - ROUNDABOUTS	SHEET 16	E



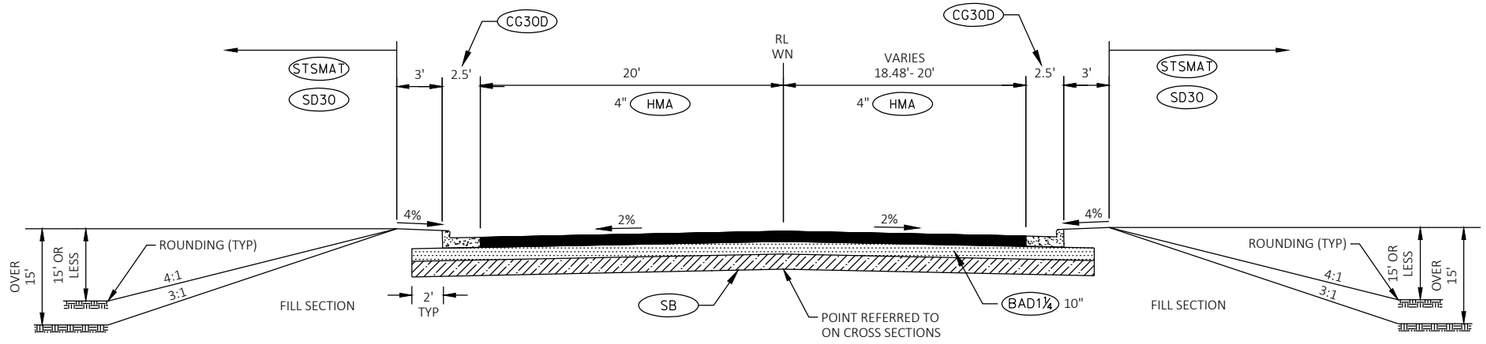
HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

TYPICAL SECTION

WEST AVE
STA 701+25WN - STA 703+47.46WN
STA 706+46.37WN - STA 707+50WN

CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH

HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT

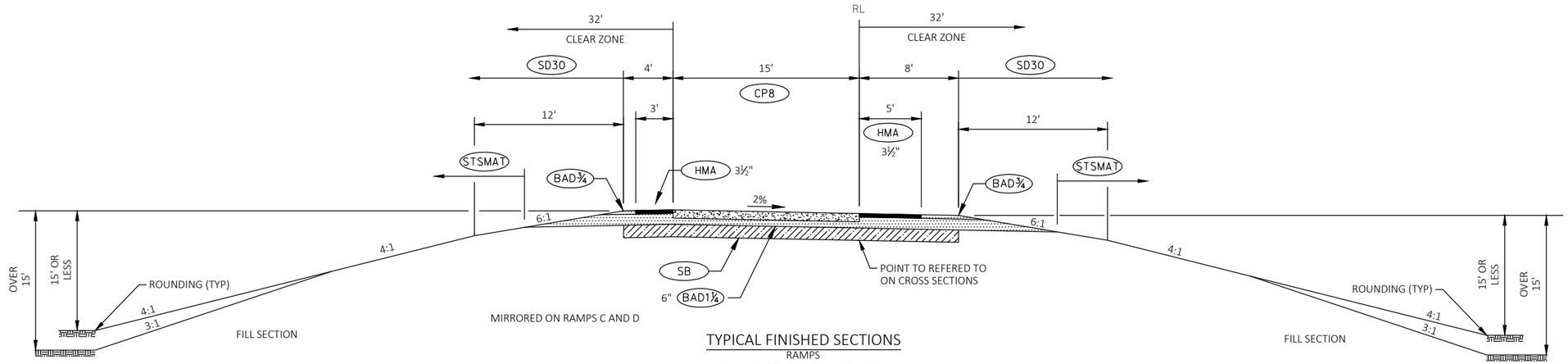


TYPICAL SECTION

WEST AVE
STA 707+50WN - STA 708+00WN

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TYPICAL SECTIONS - WEST AVE	SHEET 17	E

2

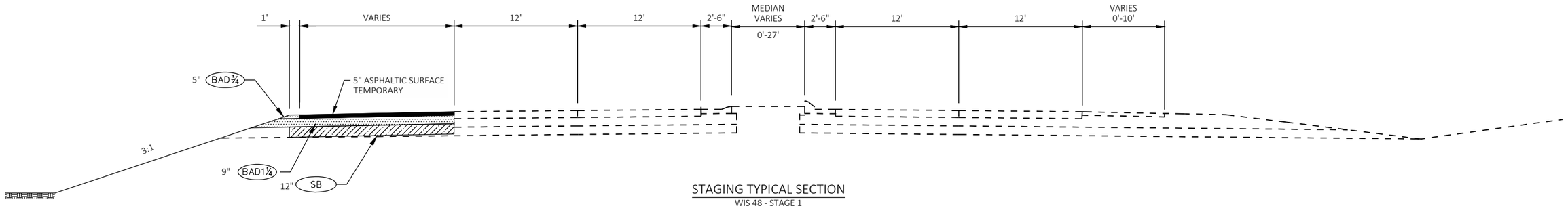


TYPICAL FINISHED SECTIONS

RAMPS
RAMP A STA 302+30A - 304+00A
RAMP B STA 405+50B - 408+50B
RAMP C STA 508+00C - 508+36C
RAMP D STA 602+00D - 603+25D

HMA PAVEMENT THICKNESS	LAYERS	HMA PAVEMENT TYPE
1½"	1½"	HMA PAVEMENT 5 MT 58-34S
3"	1½" 1½"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
3½"	1¾" 1¾"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S
4"	1 ¾" 2 ¼"	HMA PAVEMENT 5 MT 58-34S HMA PAVEMENT 5 MT 58-34S

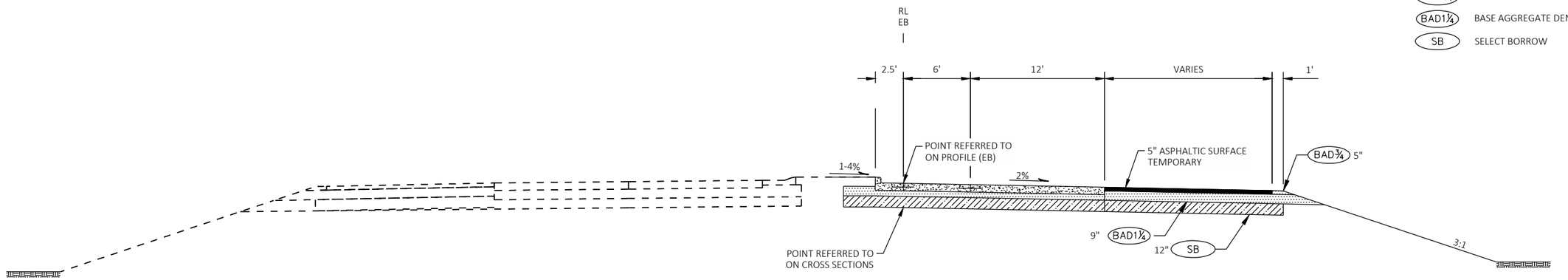
CG18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
CG30S	CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CG30A	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG364R	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG366A	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8½-INCH
CTA	CONCRETE TRUCK APRON 12-INCH
HMA	HMA PAVEMENT
ASPH	3" ASPHALTIC SURFACE
CCM	CONCRETE CORRUGATED MEDIAN
CSW5	CONCRETE SIDEWALK 5-INCH
BAD¾	BASE AGGREGATE DENSE ¾-INCH
BAD1¼	BASE AGGREGATE DENSE 1¼-INCH
SB	12" SELECT BORROW
STSM	SALVAGED TOPSOIL AND MULCH
SD30	SEEDING MIXTURE NO 30, FERTILIZER TYPE B
STSMAT	SALVAGED TOPSOIL AND EMAT



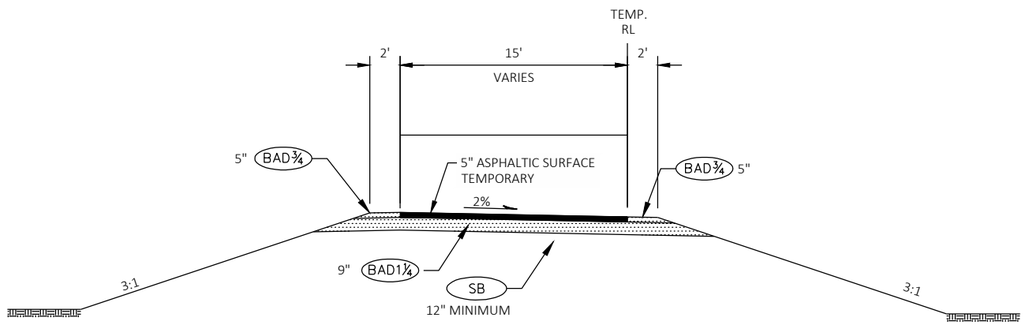
STAGING TYPICAL SECTION
WIS 48 - STAGE 1

LEGEND

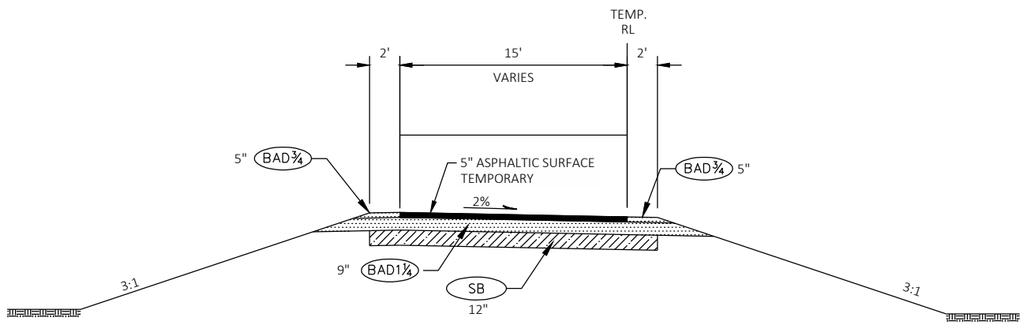
BAD¾	BASE AGGREGATE DENSE 3/4-INCH
BAD1¼	BASE AGGREGATE DENSE 1 1/4-INCH
SB	SELECT BORROW



STAGING TYPICAL SECTION
WIS 48 - STAGE 2

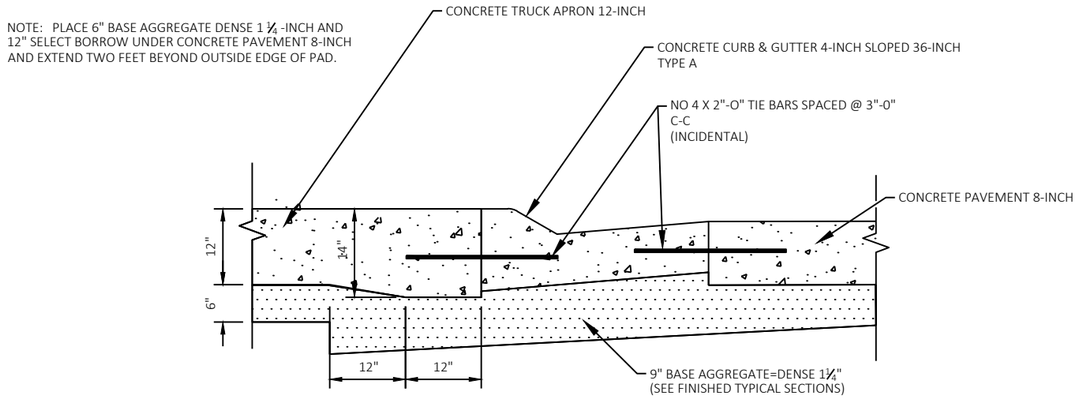


TEMPORARY TYPICAL SECTION
TEMPORARY RAMP B - STAGE 1

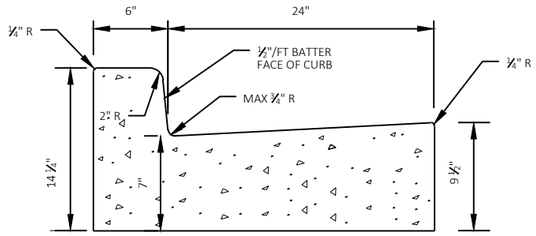


TEMPORARY TYPICAL SECTION
TEMPORARY RAMP D - STAGE 1

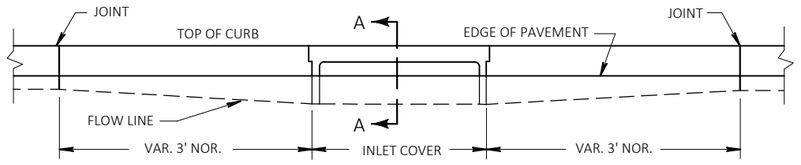
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TYPICAL SECTIONS - TEMPORARY	SHEET 19	E



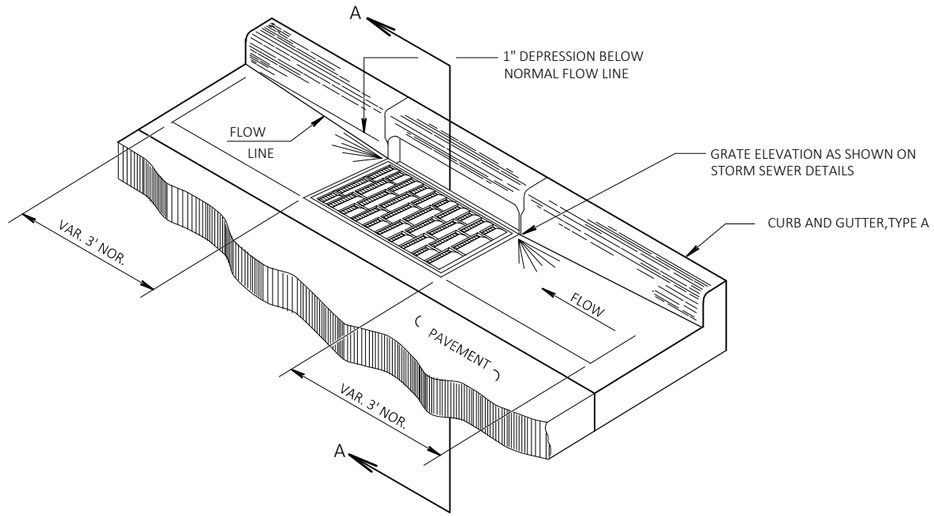
TRUCK OVERTRACKING PAD

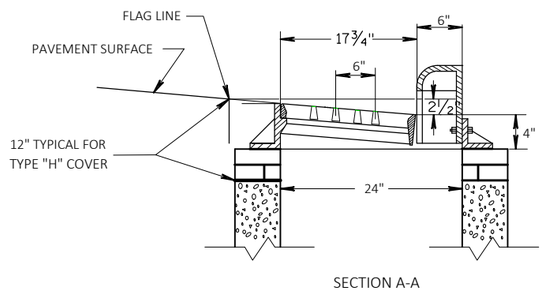


CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL



ELEVATION





SECTION A-A

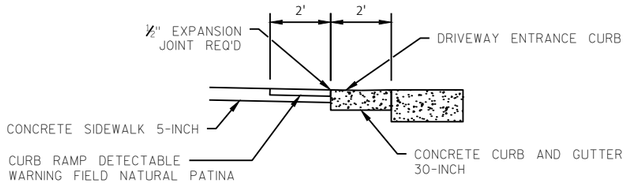
CURB AND GUTTER AT INLETS

(INLET 2X3-H SHOWN)

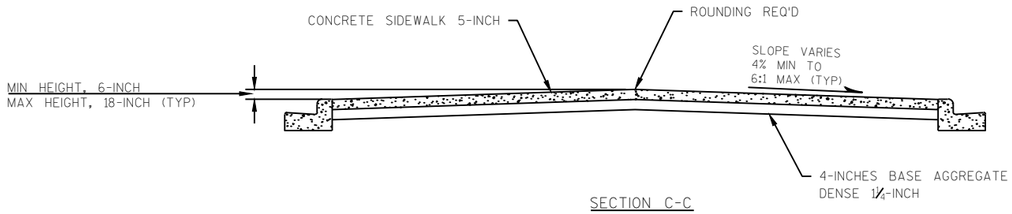
RUNOFF COEFFICIENT TABLE

	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											

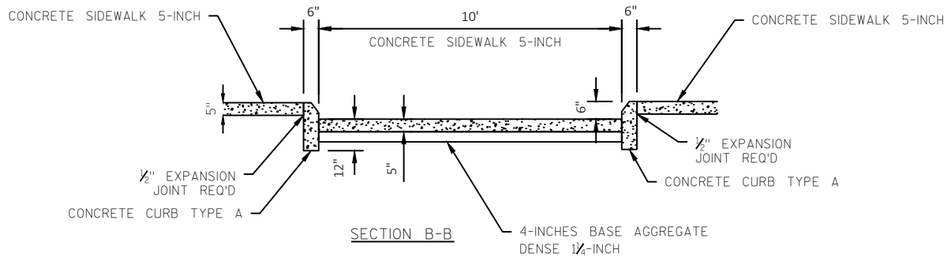
TOTAL PROJECT AREA = 30.6 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 12.73 ACRES



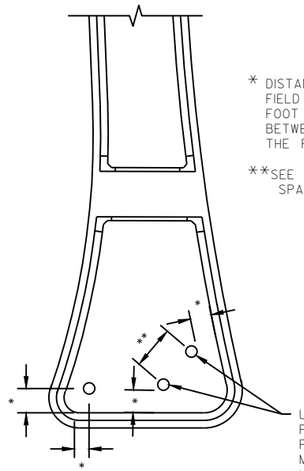
SECTION A-A



SECTION C-C



SECTION B-B

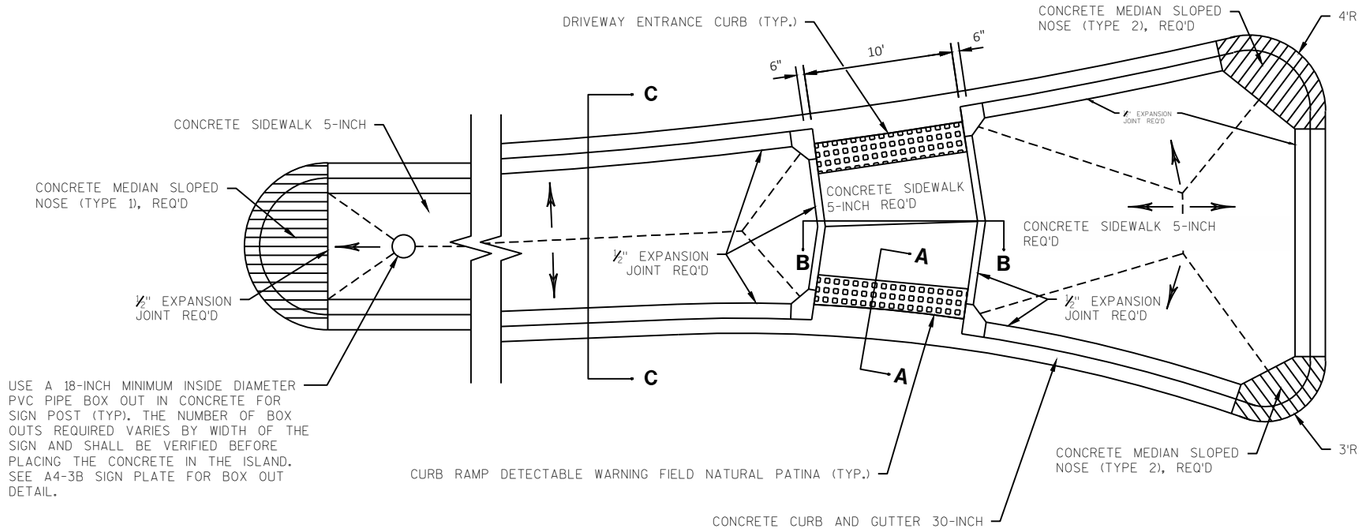


* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

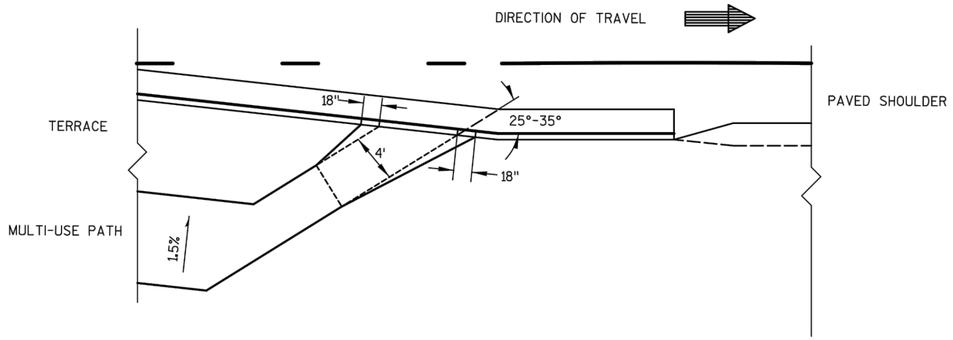
**SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP.) PVC BOX OUT DEPTH SHOULD MATCH ADJACENT PAVEMENT DEPTH. THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND. SEE A4-3B SIGN PLATE FOR BOX OUT DETAIL.

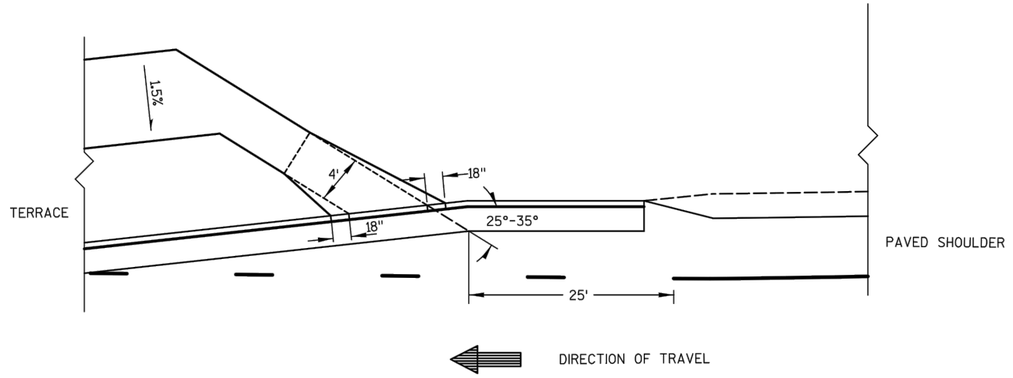
CENTER AND SPLITTER ISLAND SIGN LOCATION (TYP)



SPLITTER ISLAND

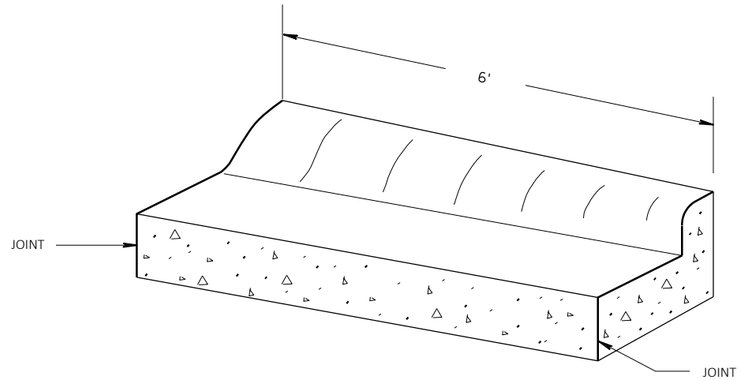


BIKE RAMP ENTRANCE



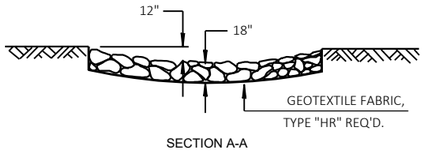
BIKE RAMP EXIT

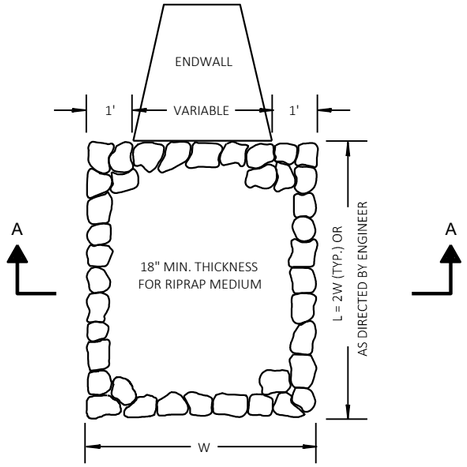
BIKE RAMP ENTRANCE AND EXIT



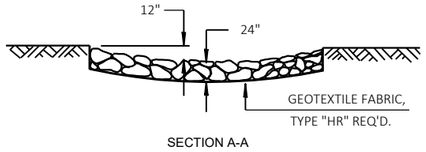
CURB & GUTTER TRANSITION

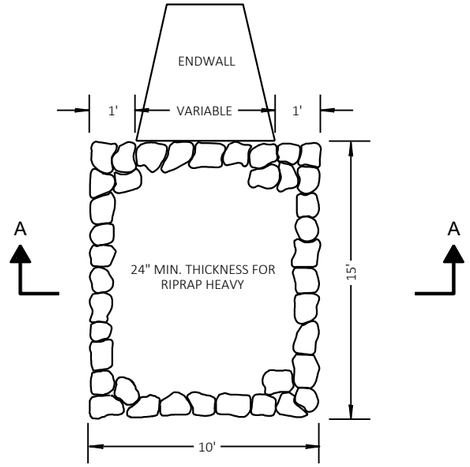
36" TYPE "A" CURB & GUTTER TO 30" TYPE "A" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)





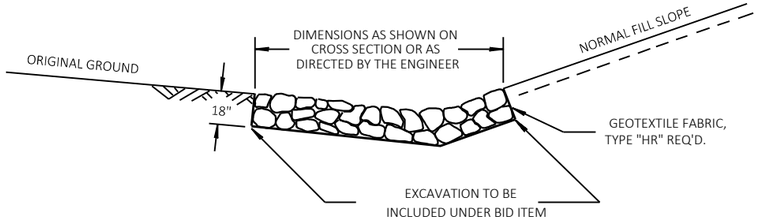
RIPRAP MEDIUM TREATMENT AT CULVERTS



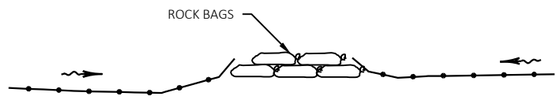


RIPRAP HEAVY TREATMENT AT CULVERTS

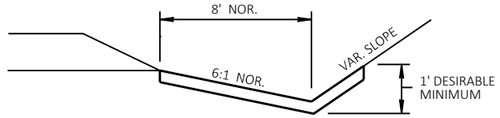
RIP RAP



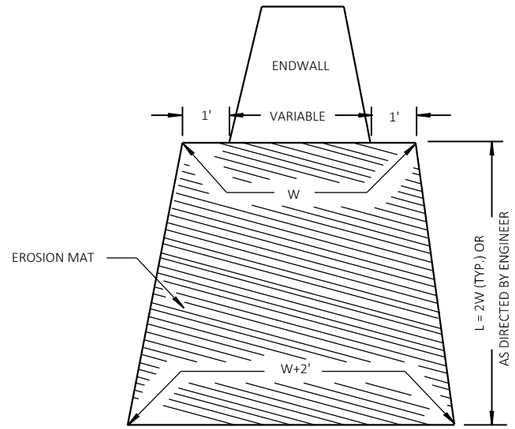
RIPRAP MEDIUM IN DITCHES



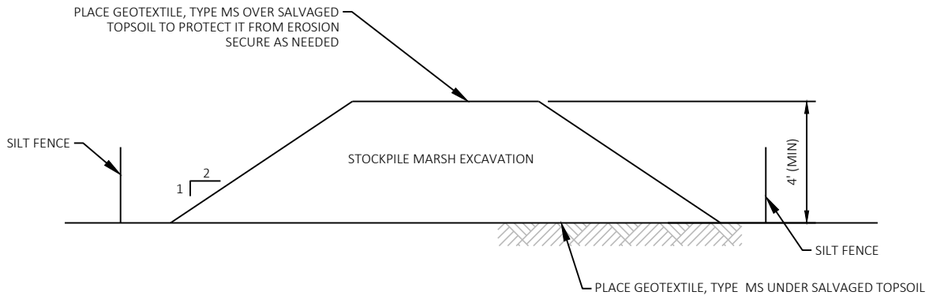
SILT FENCE RELIEF
(ROCK BAGS)



EROSION MAT FOR DITCHES



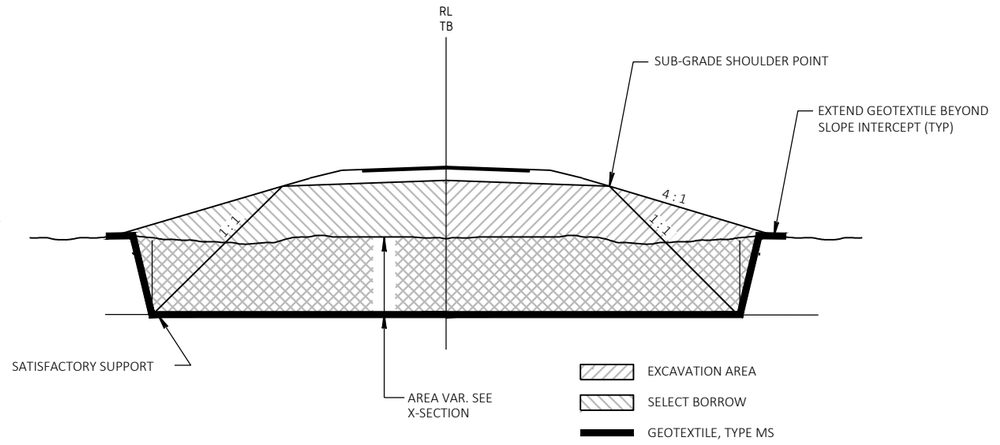
EROSION MAT TREATMENT AT CULVERTS



MARSH EXCAVATION STOCKPILE

NOTES:

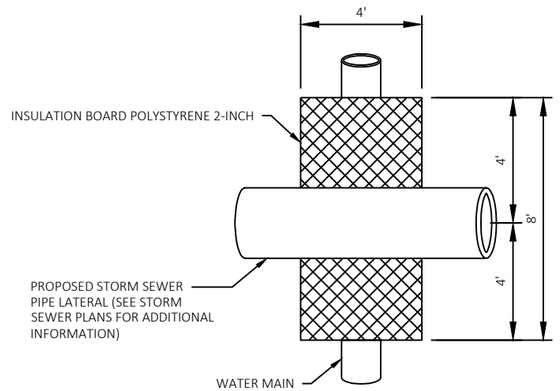
- CLEAN ALL EQUIPMENT TRANSPORTING SOIL PERFORMING MARSH EXCAVATION AND PRIOR TO PLACING EXCAVATED SOIL BACK TO ORIGINAL CONDITION.
- SEE LOCATION OF STOCKPILE ON EROSION CONTROL PLANS - STAGE 1.
- MAINTAIN A MINIMUM DEPTH OF 4 FEET OF STOCKPILE SOIL TO HELP MAINTAIN MOISTURE.

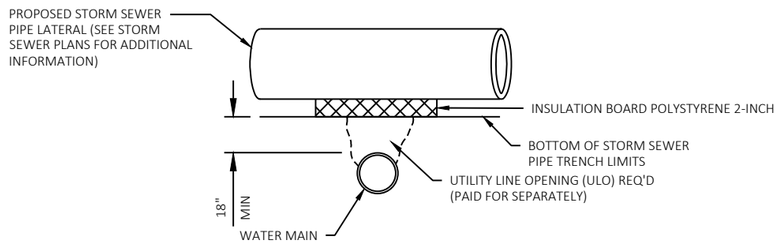


TYPICAL MARSH EXCAVATION SECTION

TEMORARY OFF RAMP

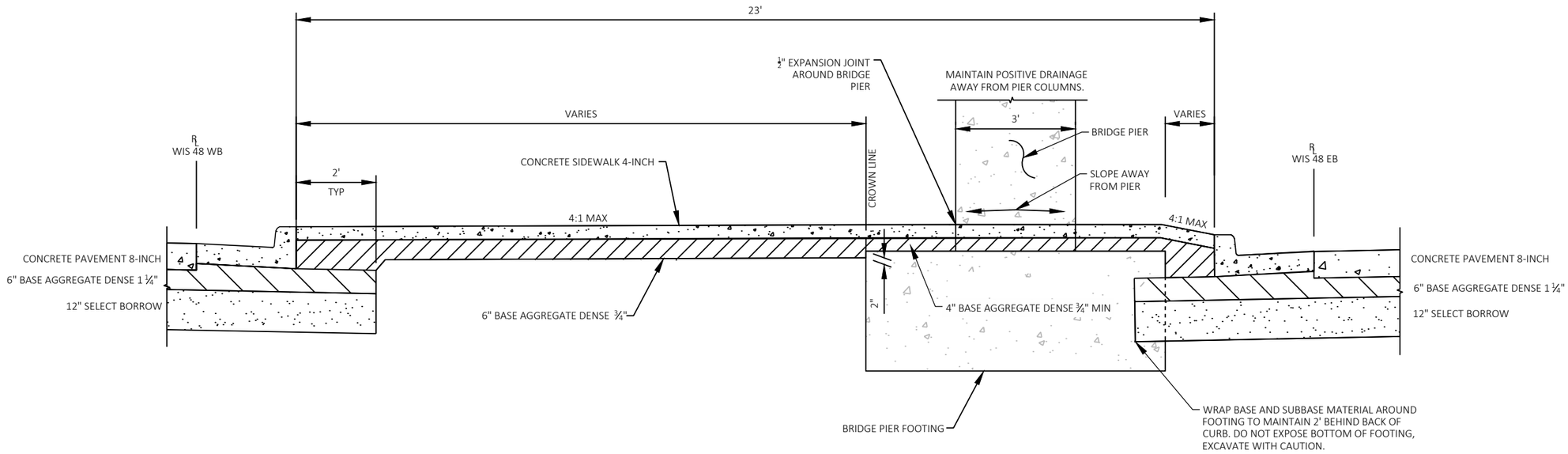
2



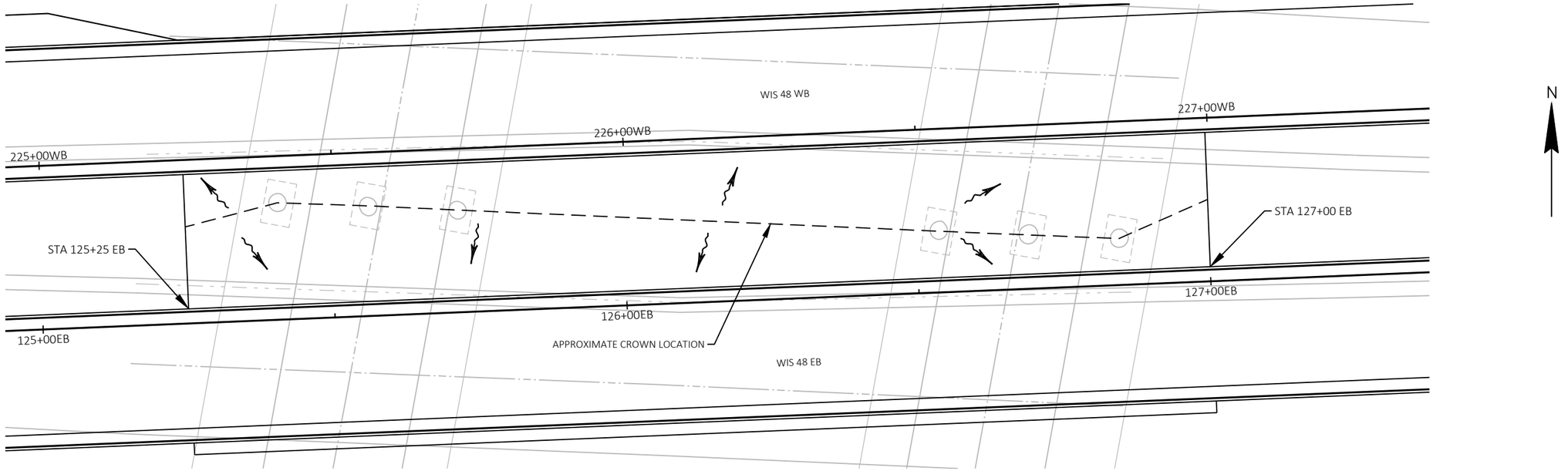


INSULATION BOARD POLYSTYRENE DETAIL
(STORM SEWER CROSSING OF WATER MAIN WITH LESS THAN 3-FEET OF CLEAR VERTICAL DISTANCE)

NOTE: REFER TO STORM SEWER PLANS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION

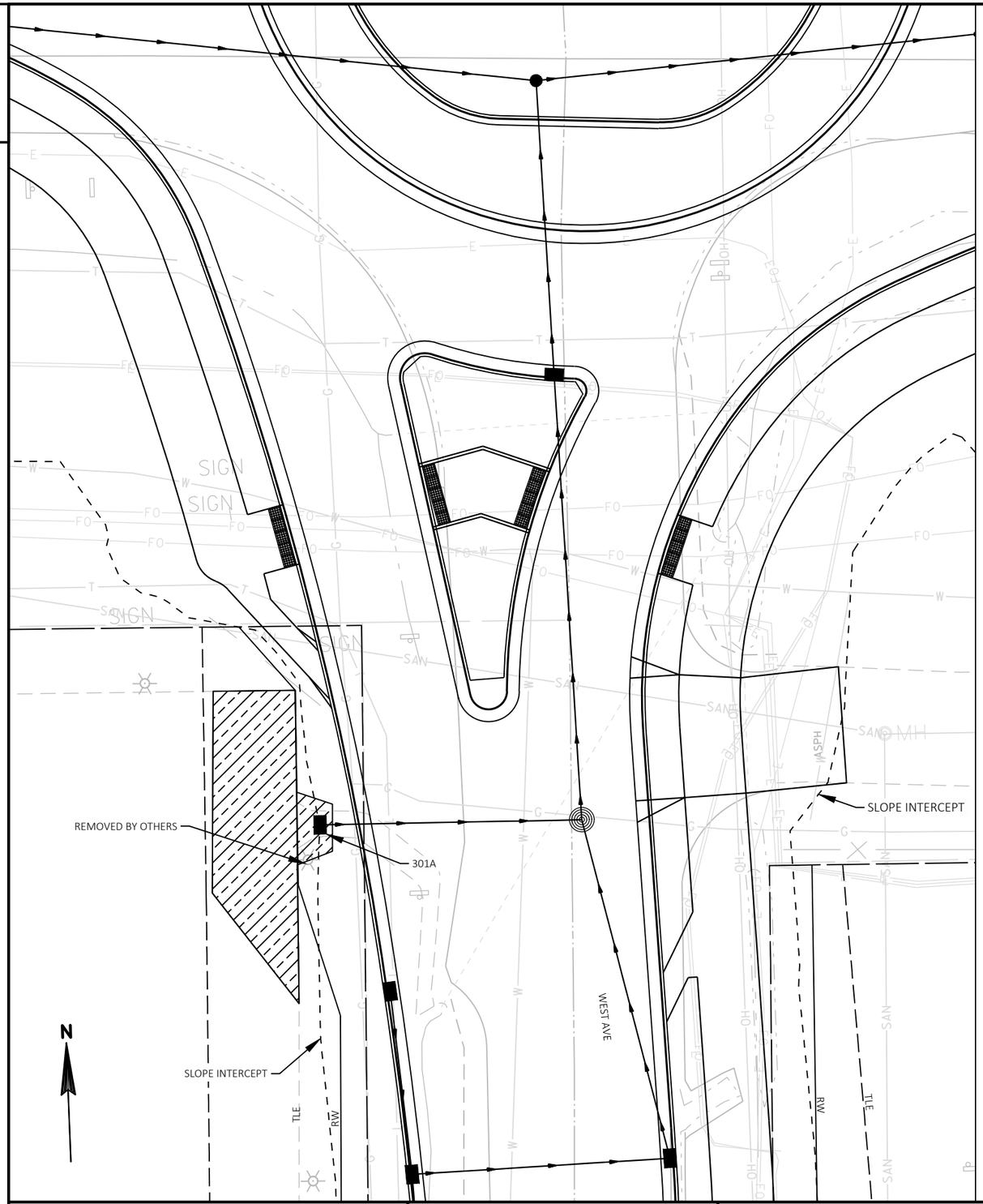


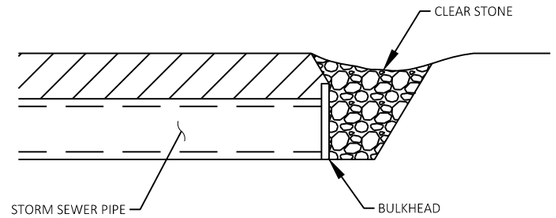
ELEVATION



SIDEWALK AT BRIDGE PIERS

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CONSTRUCTION DETAILS	SHEET 26	E



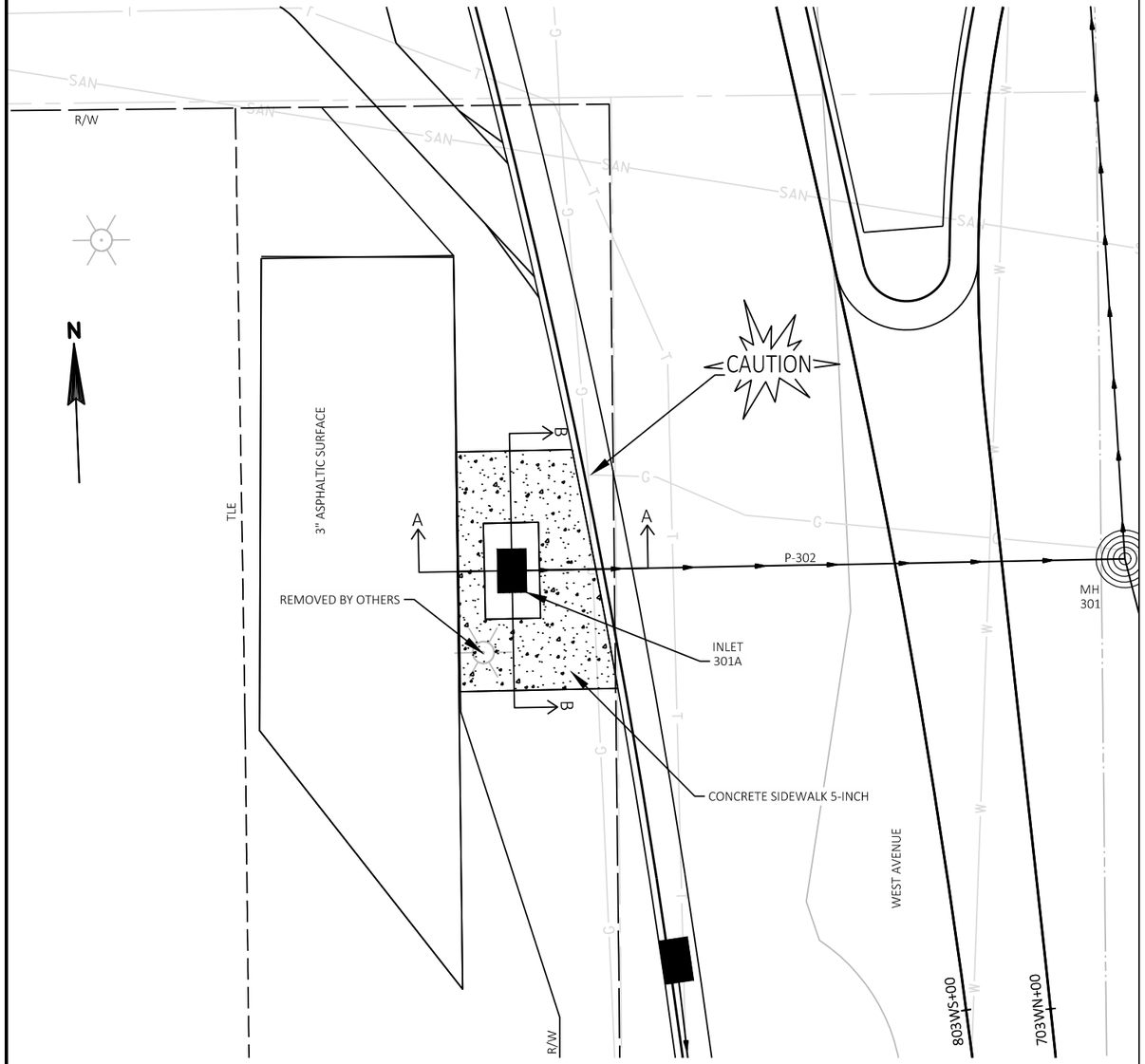


STORM SEWER STAGING - BULKHEAD DETAIL
INCIDENTAL TO STORM SEWER ITEMS

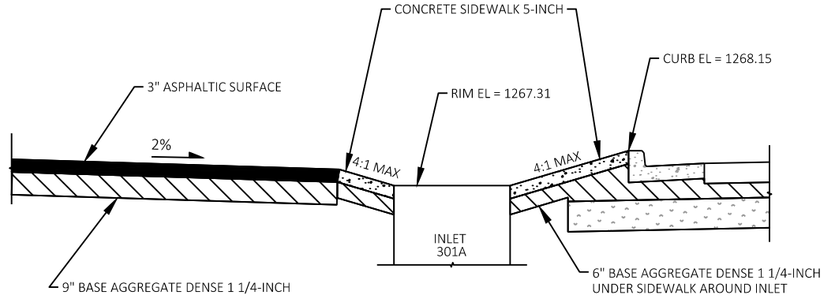
LEGEND

REMOVE EXIST ASPHALT AS NEEDED TO INSTALL INLET 301A. RESTORE PARKING LOT IMMEDIATELY AFTER INSTALLATION OF INLET CREATING A FLOWLINE IN NEW PAVEMENT AND INSTALL TEMPORARY ASPHALTIC FLUME TO CONTAIN RUNOFF FROM PARKING LOT. FLUME TO BE REMOVED AND REPLACED WITH CONCRETE SURFACE DRAIN AT COMPLETION OF STAGE 2.

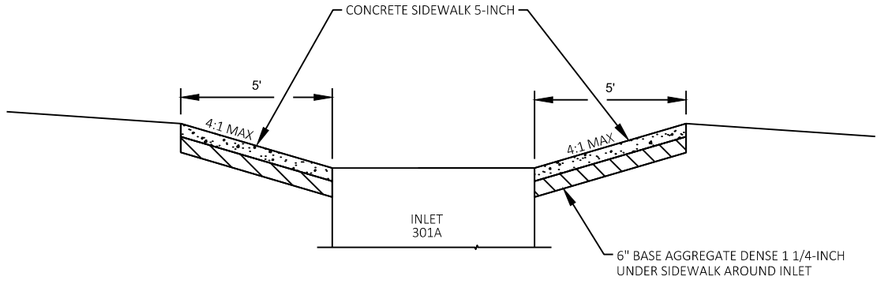
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CONSTRUCTION DETAILS	SHEET 27	E



PLAN



SECTION A-A



SECTION B-B

INLET 301A
STA 703+34, LT

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CONSTRUCTION DETAILS	SHEET 28	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021015_CD - WEST AVE DRAINAGE CONCRETE DETAIL.DWG
LAYOUT NAME - 021006_cd - West Ave Drainage
PLOT DATE : 7/24/2019 11:11 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP, TYPE X

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

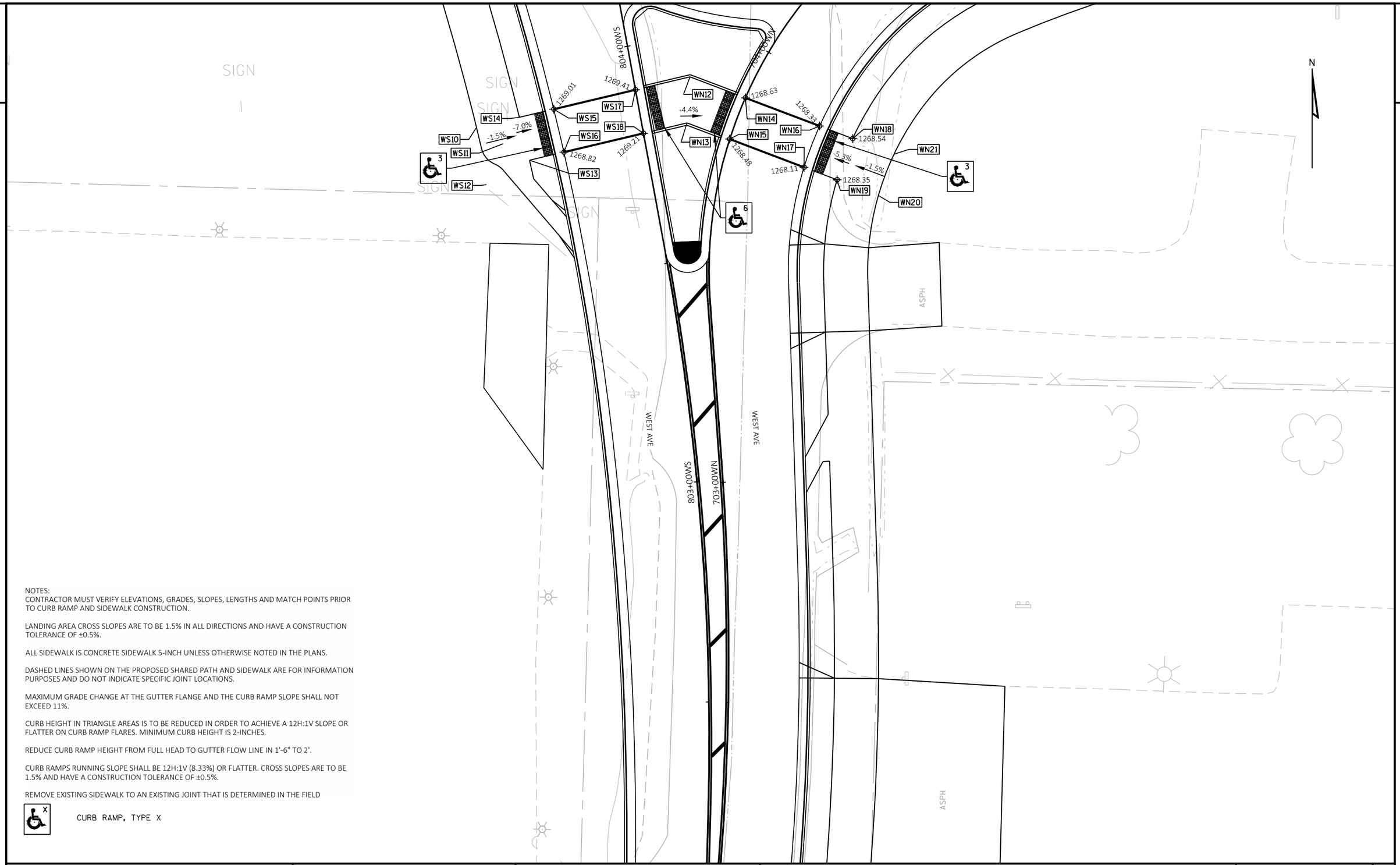
REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN: CURB RAMP DETAILS - WEST AVENUE	SHEET 29 E

2



NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD

X CURB RAMP, TYPE X

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN: CURB RAMP DETAILS - WEST AVENUE	SHEET 30	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021010_CD - CURB RAMP DETAILS.DWG
LAYOUT NAME - 021026_cd-Curb Ramp Details
PLOT DATE : 7/24/2019 11:12 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

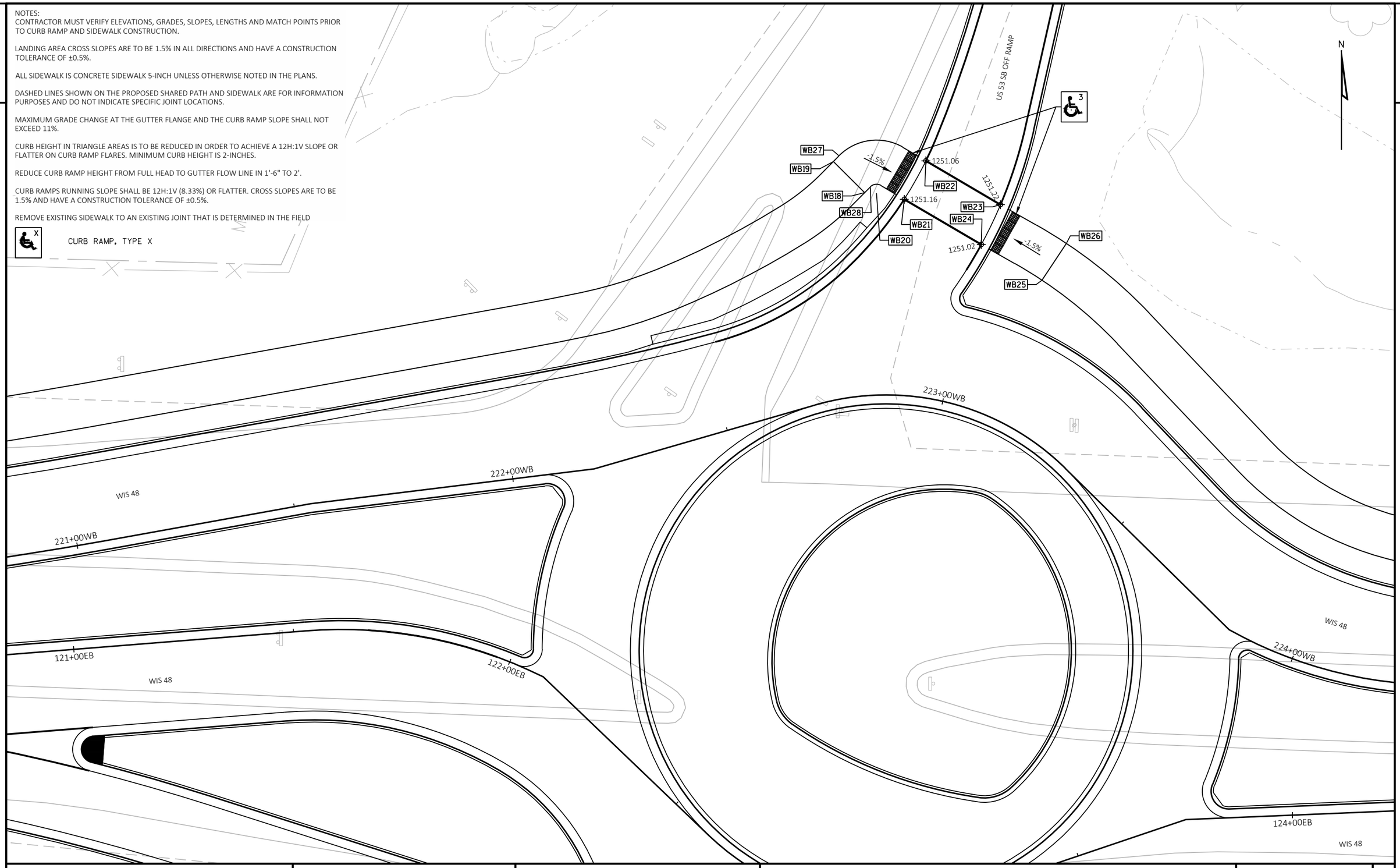
CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD

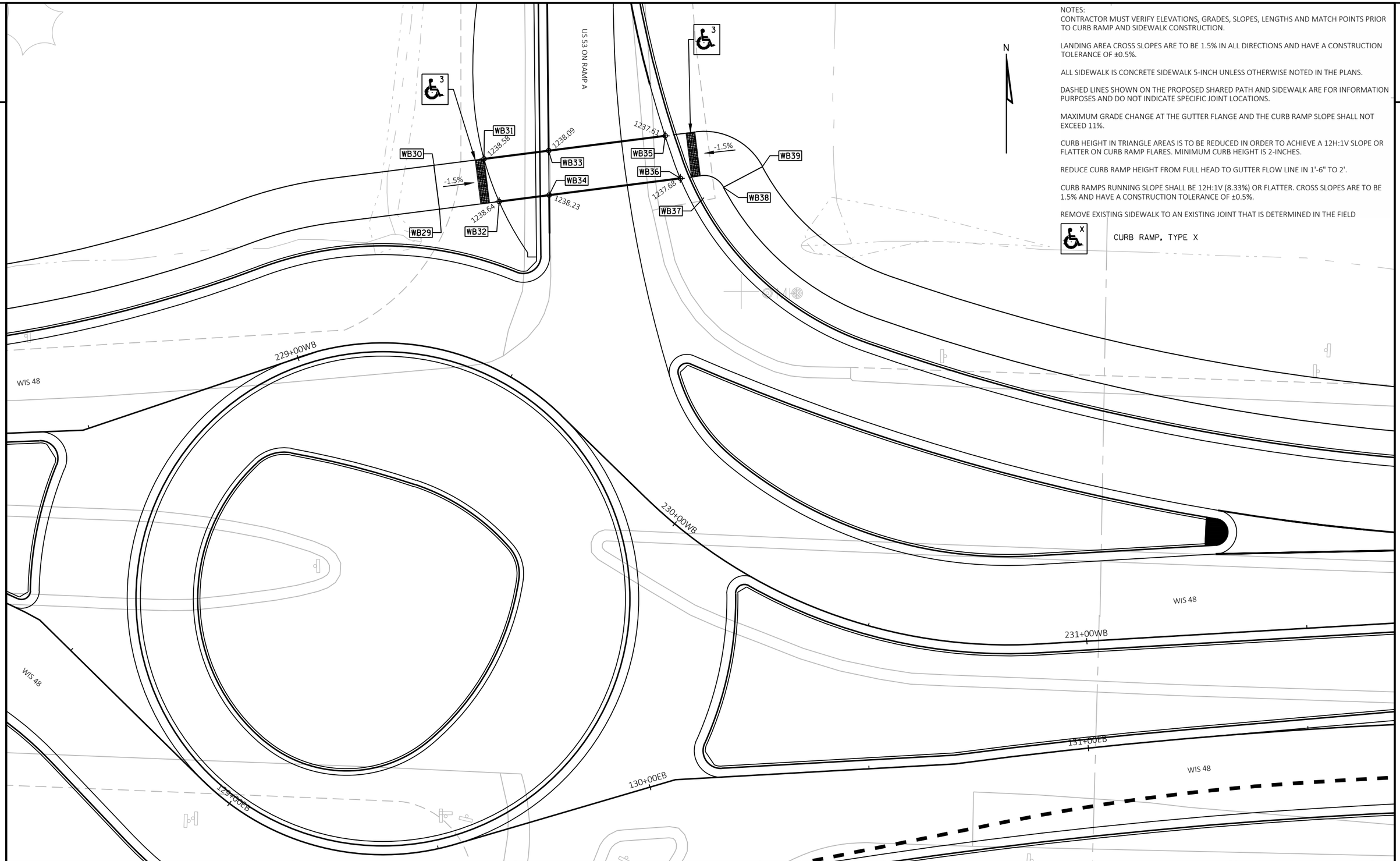
X CURB RAMP, TYPE X



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN: CURB RAMP DETAILS - US 53 SB OFF RAMP	SHEET 31	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021010_CD - CURB RAMP DETAILS.DWG
LAYOUT NAME - 021027_cd-Curb Ramp Details
PLOT DATE : 7/24/2019 11:12 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD

X CURB RAMP, TYPE X

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN: CURB RAMP DETAILS - US 53 NB ON RAMP	SHEET 32	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021010_CD - CURB RAMP DETAILS.DWG
LAYOUT NAME - 021028_cd-Curb Ramp Details
PLOT DATE : 7/24/2019 11:12 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

NOTES:
CONTRACTOR MUST VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

LANDING AREA CROSS SLOPES ARE TO BE 1.5% IN ALL DIRECTIONS AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

ALL SIDEWALK IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED IN THE PLANS.

DASHED LINES SHOWN ON THE PROPOSED SHARED PATH AND SIDEWALK ARE FOR INFORMATION PURPOSES AND DO NOT INDICATE SPECIFIC JOINT LOCATIONS.

MAXIMUM GRADE CHANGE AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

CURB HEIGHT IN TRIANGLE AREAS IS TO BE REDUCED IN ORDER TO ACHIEVE A 12H:1V SLOPE OR FLATTER ON CURB RAMP FLARES. MINIMUM CURB HEIGHT IS 2-INCHES.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

CURB RAMPS RUNNING SLOPE SHALL BE 12H:1V (8.33%) OR FLATTER. CROSS SLOPES ARE TO BE 1.5% AND HAVE A CONSTRUCTION TOLERANCE OF ±0.5%.

REMOVE EXISTING SIDEWALK TO AN EXISTING JOINT THAT IS DETERMINED IN THE FIELD

CURB RAMP, TYPE X

N

BEAR PAW AVE

WB46 WB48 WB49 WB47 WB43 WB41 WB44 WB42 WB45 WB40 WB50 WB51 WB52 WB53 WB54 WB55 WB61 WB60 WB59 WB58 WB57 WB56

1225.83 1225.58 1223.86 1223.70 1221.57 1221.37 1220.23 1220.06

-1.5% -7.0% -1.5% -7.0% -1.5% -1.5% -1.0% -1.5%

ONLY

WIS 48

236+00WB 237+00WB 238+00WB

136+00EB 137+00EB 138+00EB

EB29 EB30 EB27 EB28 EB25 EB26

1220.19 1220.02 1220.47 1220.33

4.7%

EB20 EB19 EB21 EB22 EB23 EB24

1219.61 1219.55

-1.5%

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN: CURB RAMP DETAILS - BEAR PAW AVENUE	SHEET 33	E

EASTBOUND - CURB RAMPS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
EB1	116+25.46	13.34' L	137151.25	327284.13	
EB2	116+34.48	15.70' L	137150.63	327294.49	
EB3	116+24.37	0.00'	137138.60	327279.76	
EB4	116+34.38	0.02' R	137135.77	327289.36	
EB5	116+22.22	19.89' R	137119.70	327273.24	
EB6	116+34.23	20.47' R	137116.44	327282.69	
EB7	116+21.10	27.85' R	137112.13	327270.63	
EB8	116+34.15	28.48' R	137108.87	327280.08	
EB9	116+14.43	37.55' R	137103.51	327264.06	RADIUS = 5'
EB10	116+27.18	33.15' R	137105.90	327273.77	RADIUS = 5'
EB11	116+33.22	38.46' R	137099.61	327276.31	
EB12	118+47.94	0.00'	137105.74	327478.54	
EB13	118+57.96	0.00'	137107.20	327488.45	
EB14	118+48.94	18.74' R	137087.35	327482.26	
EB15	118+58.93	18.20' R	137089.34	327492.07	
EB16	118+49.37	26.73' R	137079.51	327483.85	
EB17	118+49.91	36.71' R	137069.71	327485.83	
EB18	118+59.89	36.18' R	137071.69	327495.64	
EB19	136+95.98	29.30' R	137025.02	329275.79	
EB20	137+01.98	29.00' R	137025.08	329281.80	
EB21	136+96.48	34.27' R	137020.03	329276.10	
EB22	137+01.48	34.27' R	137019.83	329281.09	
EB23	137+01.48	39.00' R	137015.11	329280.91	
EB24	136+96.48	39.30' R	137015.00	329275.90	
EB25	136+96.30	0.00'	137054.28	329277.25	
EB26	137+01.30	0.00'	137054.09	329282.24	
EB27	137+01.28	5.00' L	137059.08	329282.42	
EB28	136+96.28	5.00' L	137059.28	329277.43	
EB29	136+96.26	10.00' L	137064.27	329277.59	
EB30	137+01.26	10.00' L	137064.08	329282.59	

WESTBOUND - CURB RAMPS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WB1	216+23.93	26.38' L	137192.96	327275.13	
WB2	216+33.91	26.88' L	137195.07	327284.91	
WB3	216+19.84	36.24' L	137202.03	327269.50	RADIUS = 5'
WB4	216+28.68	31.56' L	137198.84	327278.98	RADIUS = 5'
WB5	216+33.30	36.83' L	137204.79	327282.69	
WB6	216+24.32	18.39' L	137185.14	327276.82	
WB7	216+34.31	18.88' L	137187.25	327286.59	
WB8	216+25.23	0.00'	137167.14	327280.70	
WB9	216+35.24	0.00'	137168.77	327290.58	
WB10	218+46.89	13.26' R	137122.26	327475.20	
WB11	218+56.55	11.32' R	137121.78	327486.01	
WB12	218+47.85	20.04' L	137154.20	327484.69	
WB13	218+59.77	19.22' L	137151.35	327494.27	
WB14	218+48.18	28.05' L	137161.88	327486.97	
WB15	218+61.12	27.16' L	137159.03	327496.56	
WB16	218+48.69	38.07' L	137171.49	327489.82	
WB17	218+63.18	37.07' L	137168.64	327499.41	
WB18	222+84.32	45.98' L	137231.42	327908.95	
WB19	222+80.82	53.57' L	137238.48	327901.87	
WB20	222+85.83	45.76' L	137231.30	327911.65	RADIUS = 2' & 12'
WB21	222+89.37	44.45' L	137229.92	327917.94	
WB22	222+91.75	53.44' L	137238.62	327922.86	
WB23	223+01.60	46.42' L	137228.70	327939.76	
WB24	223+00.39	36.62' L	137219.67	327935.41	
WB25	223+10.14	33.16' L	137211.57	327949.17	
WB26	223+11.21	43.00' L	137219.90	327954.71	
WB27	222+81.54	54.72' L	137239.77	327903.16	
WB28	222+85.06	47.22' L	137232.71	327910.24	
WB29	229+28.02	31.26' L	137186.92	328534.31	
WB30	229+26.48	40.88' L	137196.78	328533.11	
WB31	229+32.76	44.32' L	137198.30	328544.42	
WB32	229+36.17	35.83' L	137188.64	328547.85	
WB33	229+40.21	50.31' L	137200.17	328559.08	
WB34	229+42.32	40.96' L	137190.08	328559.18	
WB35	229+51.42	64.92' L	137203.52	328585.50	
WB36	229+55.38	58.75' L	137193.88	328588.94	
WB37	229+58.82	58.50' L	137189.52	328594.31	RADIUS = 5' & 15'
WB38	229+59.77	63.10' L	137191.86	328598.73	
WB39	229+61.47	72.40' L	137196.53	328607.57	
WB40	235+59.81	32.00' L	137122.84	329141.79	
WB41	235+59.81	42.01' L	137132.83	329142.20	
WB42	235+78.53	39.10' L	137129.16	329160.78	
WB43	235+83.44	44.04' L	137133.89	329165.90	

WESTBOUND - CURB RAMPS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WB44	235+93.04	43.93' L	137133.39	329175.47	
WB45	235+89.64	38.97' L	137128.57	329171.88	
WB46	235+86.97	89.10' L	137178.76	329171.28	
WB47	235+88.89	84.48' L	137174.07	329173.01	
WB48	235+94.30	92.32' L	137181.69	329178.74	
WB49	235+96.30	87.55' L	137176.84	329180.53	
WB50	236+55.71	43.60' L	137130.47	329238.08	
WB51	236+60.69	38.53' L	137125.20	329242.85	
WB52	236+68.62	43.43' L	137129.77	329250.98	
WB53	236+73.62	43.37' L	137129.50	329255.97	
WB54	236+68.56	38.43' L	137124.78	329250.71	
WB55	236+73.56	38.37' L	137124.51	329255.70	
WB56	236+97.52	28.98' L	137114.14	329279.25	
WB57	237+02.51	28.98' L	137113.93	329284.24	
WB58	236+97.50	38.05' L	137123.21	329279.60	
WB59	237+02.50	38.07' L	137123.01	329284.60	
WB60	237+02.48	42.99' L	137127.93	329284.79	
WB61	236+97.48	43.06' L	137128.20	329279.80	

WEST AVE NORTHBOUND - CURB RAMPS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WN1	706+05.52	14.20' L	137223.95	327397.51	
WN2	706+15.62	11.20' L	137234.49	327397.67	
WN3	706+15.97	0.00'	137237.85	327408.36	
WN4	706+05.96	0.00'	137228.21	327411.06	
WN5	706+16.54	18.13' R	137243.29	327425.67	
WN6	706+06.54	18.45' R	137233.75	327428.67	
WN7	706+16.79	26.13' R	137245.69	327433.30	
WN8	706+06.79	26.44' R	137236.15	327436.30	
WN9	706+20.72	36.06' R	137252.15	327441.80	RADIUS = 5'
WN10	706+11.94	31.26' R	137242.41	327439.55	RADIUS = 5'
WN11	706+07.10	36.44' R	137239.14	327445.84	
WN12	703+87.81	13.40' L	137044.69	327363.81	
WN13	703+78.88	10.34' L	137034.25	327363.13	
WN14	703+88.41	0.00'	137039.94	327376.35	
WN15	703+78.40	0.00' L	137030.58	327372.81	
WN16	703+89.54	18.00' R	137033.55	327393.21	
WN17	703+77.28	18.00' R	137024.20	327389.67	
WN18	703+90.22	26.00' R	137030.71	327400.71	
WN19	703+76.59	26.00' R	137021.36	327397.16	
WN20	703+75.49	36.00' R	137017.80	327406.54	
WN21	703+91.32	36.00' R	137027.16	327410.09	

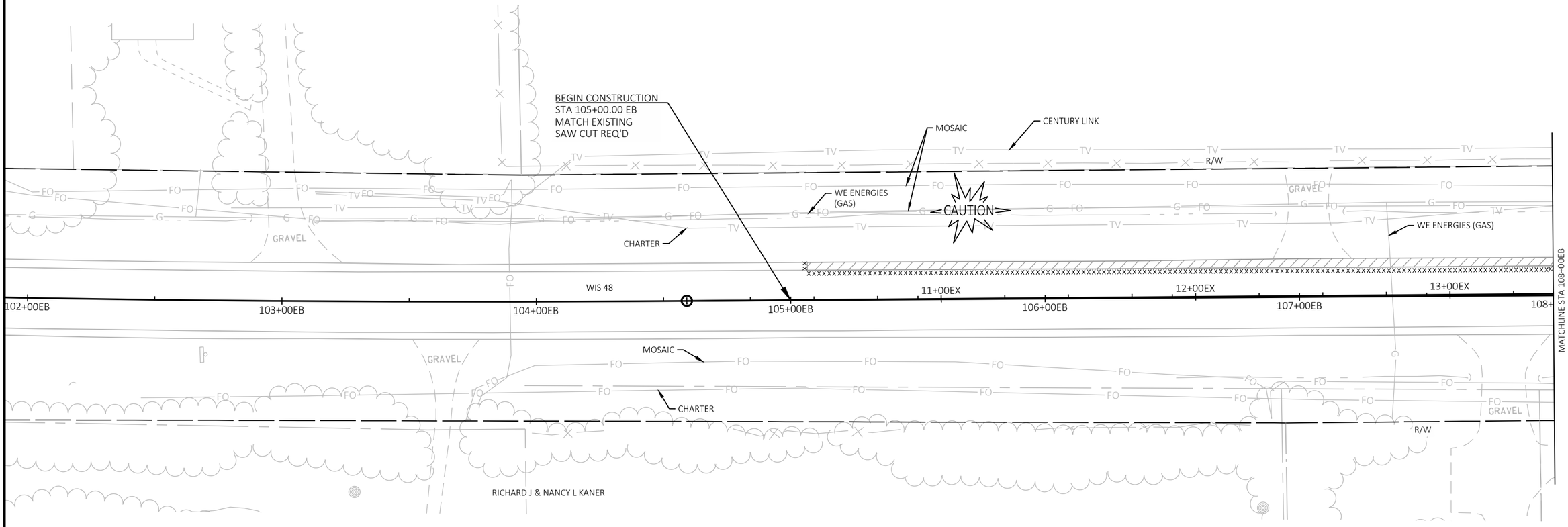
WEST AVE SOUTHBOUND - CURB RAMPS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WS1	806+05.42	31.00' L	137243.31	327357.13	RADIUS = 5'
WS2	806+18.60	36.00' L	137252.99	327354.61	RADIUS = 5'
WS3	806+12.23	26.00' L	137246.45	327363.33	
WS4	805+98.61	26.00' L	137237.00	327360.04	
WS5	805+99.29	18.00' L	137234.37	327367.61	
WS6	806+11.55	18.00' L	137243.81	327370.90	
WS7	805+98.61	36.00' L	137240.94	327350.85	
WS8	806+10.42	0.00'	137237.88	327387.93	
WS9	806+00.42	0.00'	137228.44	327384.64	
WS10	803+88.12	37.00' L	137033.23	327315.37	
WS11	803+83.38	31.73' L	137029.52	327321.41	RADIUS = 5'
WS12	803+74.96	37.12' L	137020.26	327317.63	RADIUS = 5'
WS13	803+78.63	26.51' L	137025.80	327327.40	
WS14	803+88.62	27.01' L	137035.53	327325.10	
WS15	803+89.02	19.02' L	137037.38	327332.89	
WS16	803+79.03	18.52' L	137027.64	327335.19	
WS17	803+89.97	0.00'	137041.76	327351.42	
WS18	803+79.96	0.00'	137031.91	327353.23	

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

N



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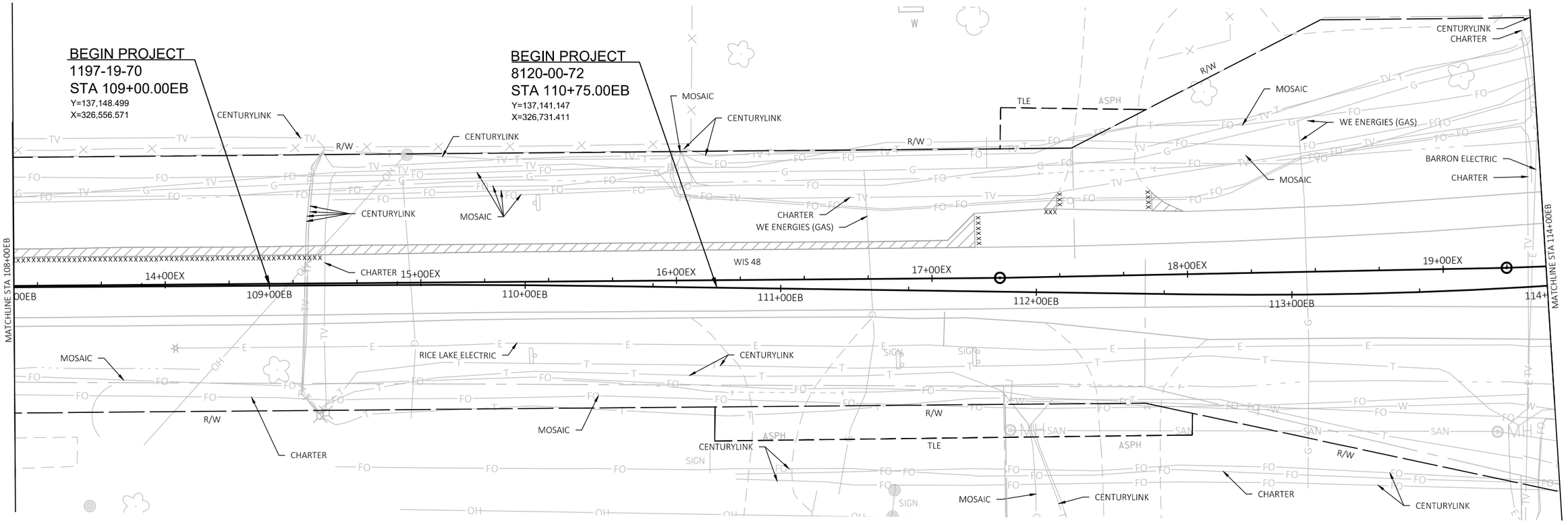
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 35	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021050_cd_Removals s1
PLOT DATE : 10/8/2019 9:52 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



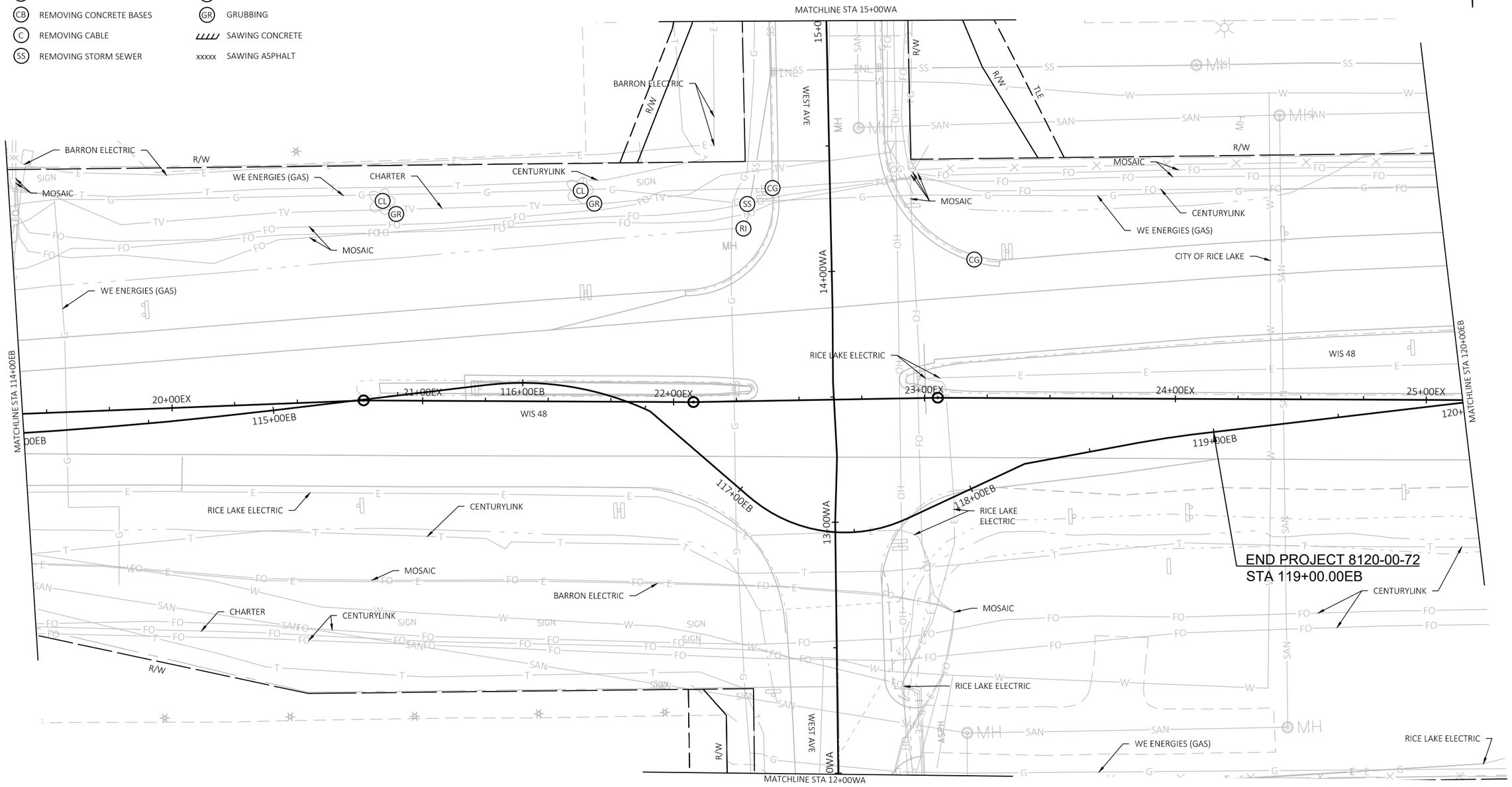
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 36	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021051_cd_Removals s1

PLOT DATE : 10/8/2019 9:52 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 37	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021053_cd_Removals s1
PLOT DATE : 10/8/2019 9:53 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

N

MATCHLINE STA 601+50D

MOSAIC

CCI SYSTEMS

US 53 SB OFF RAMP D

601+00D

R/W

MOSAIC

CENTURYLINK

CITY OF RICE LAKE

WE ENERGIES (GAS)

MATCHLINE STA 120+00EB

RICE LAKE ELECTRIC

26+00EX

121+00EB

122+00EB

27+00EX

28+00EX

29+00EX

RICE LAKE ELECTRIC

30+00EX

MATCHLINE STA 126+00EB

510+00C

125+00EB

WIS 48

124+00EB

123+00EB

CCI SYSTEMS

CENTURYLINK

MOSAIC

CENTURYLINK

509+00C

US 53 SB ON RAMP C

US 53 SB

CCI SYSTEMS

CCI SYSTEMS

R/W

MATCHLINE STA 508+50C

2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 38	E

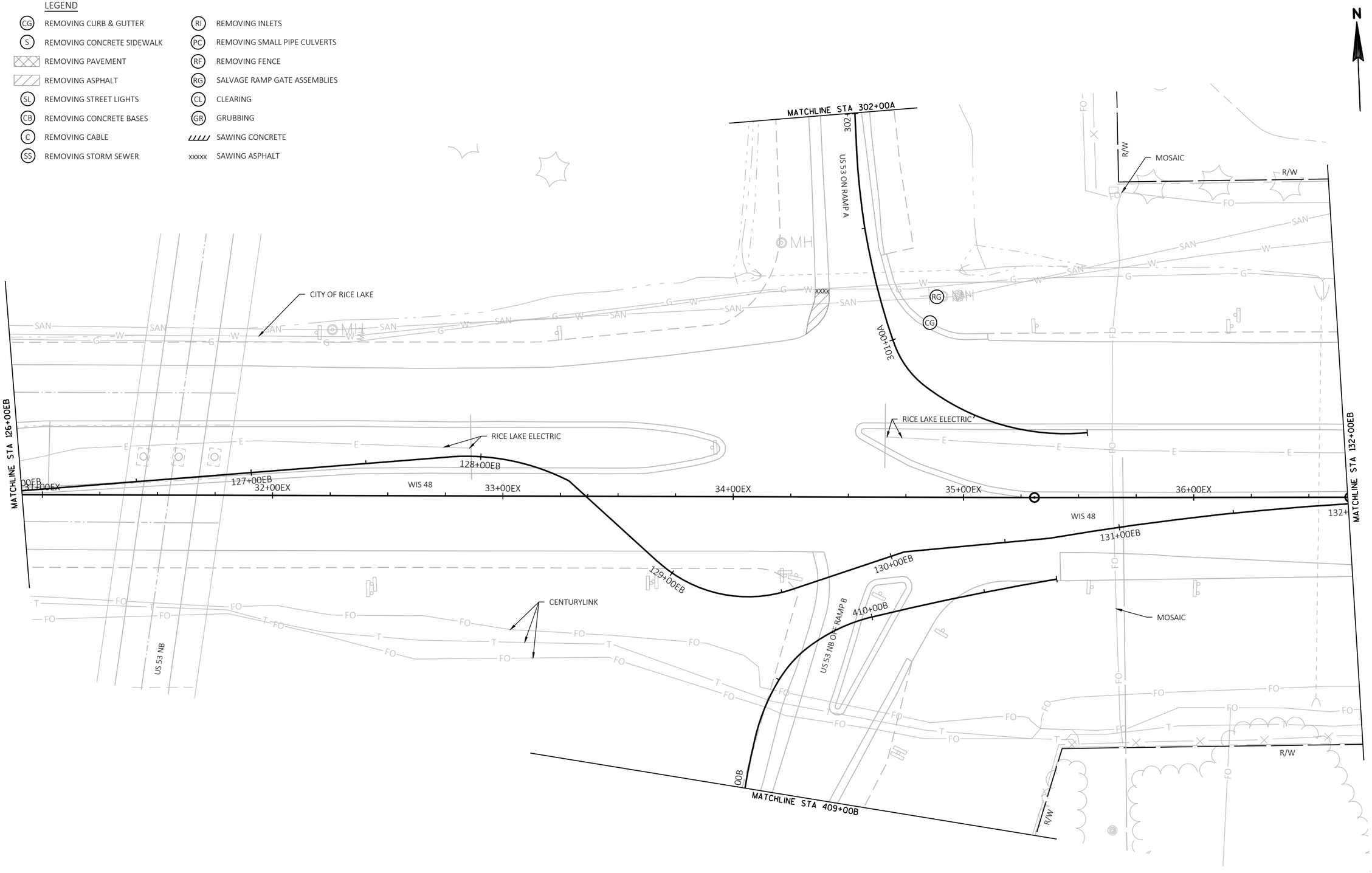
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021054_cd_Removals s1

PLOT DATE : 10/8/2019 9:53 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 39	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021055_cd_Removals s1

PLOT DATE : 10/8/2019 9:53 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

N

CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
RICE LAKE ELECTRIC
CHARTER
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
BEAR PAW AVE
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
MATCHLINE STA 132+00EB
MATCHLINE STA 138+00EB
37+00EX
38+00EX
39+00EX
40+00EX
41+00EX
42+00EX
00EB
133+00EB
134+00EB
135+00EB
136+00EB
137+00EB
138+
WIS 48
CENTURYLINK
CENTURYLINK
CHARTER
CENTURYLINK
R/W
R/W
CITY OF RICE LAKE
LAKEVIEW MEDICAL CENTER INC
WE ENERGIES (GAS)
CENTURYLINK
BEAR PAW AVE

2

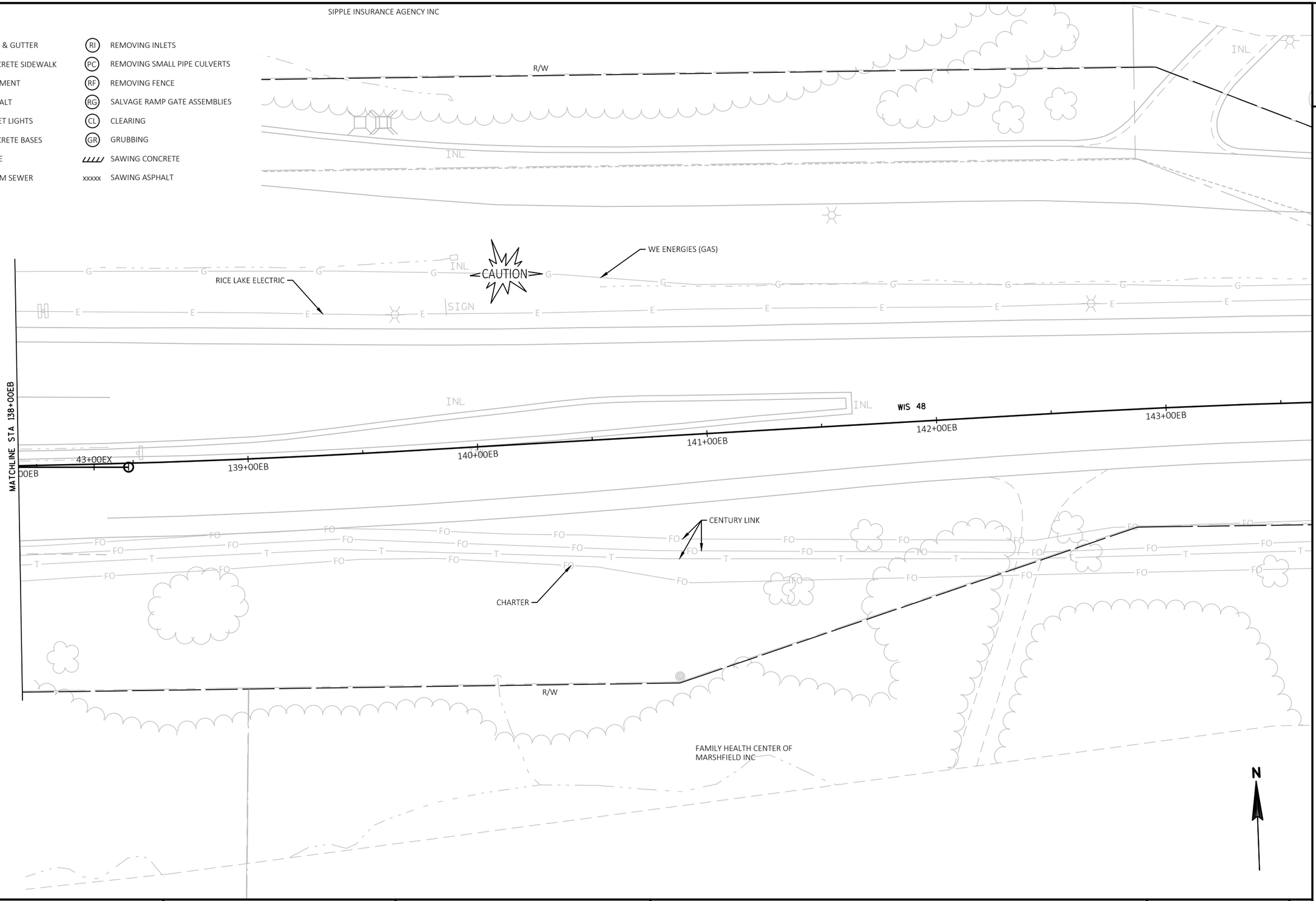
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 40	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021056_cd_Removals s1
PLOT DATE : 10/8/2019 9:53 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 41	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021050_CD_REMOVALS S1.DWG
LAYOUT NAME - 021057_cd_Removals s1

PLOT DATE : 10/8/2019 9:53 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

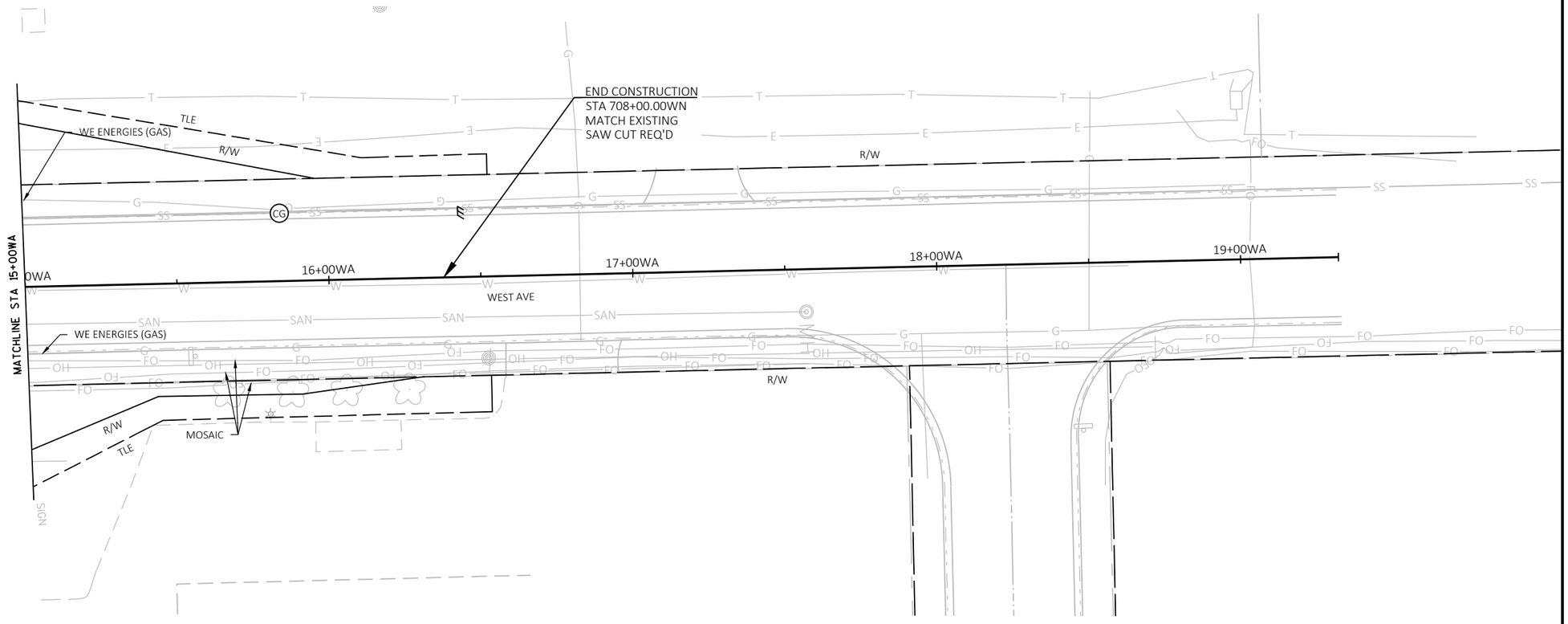
WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLET
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

N



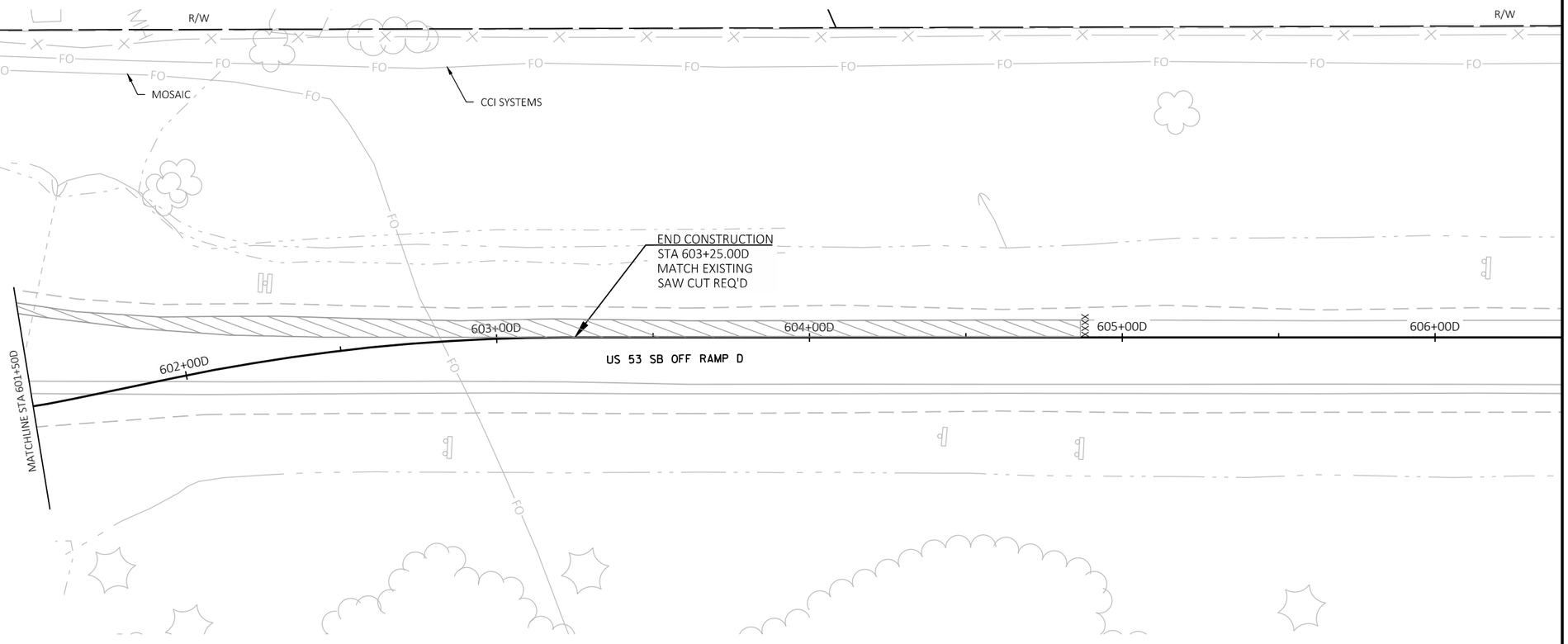
2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 42	E

2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLET
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 43	E

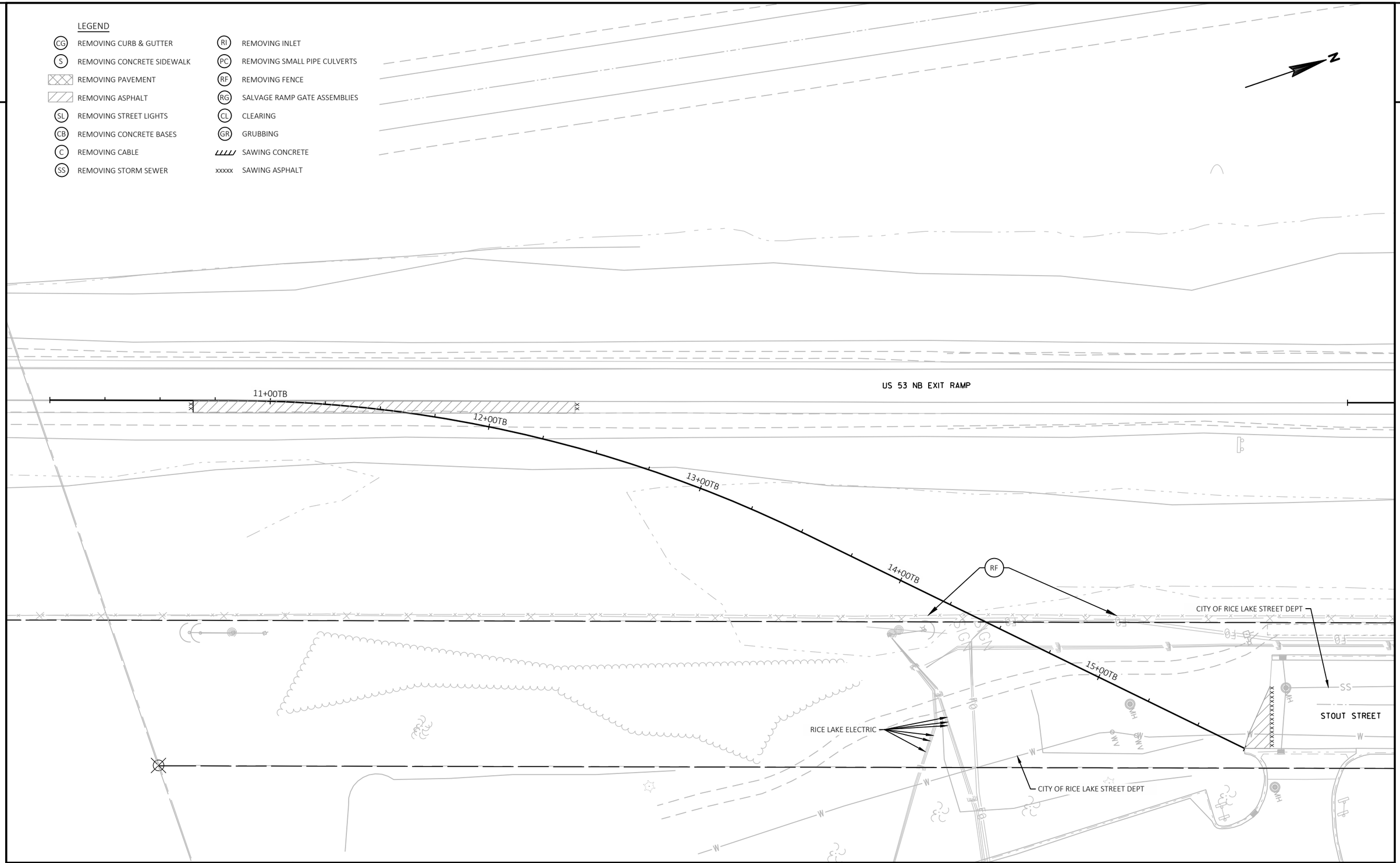
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021055_CD_REMOVALS S1_SIDE RDS.DWG
LAYOUT NAME - 021059_cd_Removals s1-Side Rds

PLOT DATE : 10/8/2019 9:55 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLET
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 1	SHEET 44	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021055_CD_REMOVALS S1_SIDE RDS.DWG
LAYOUT NAME - 0210510_cd_Removals s1-Side Rds

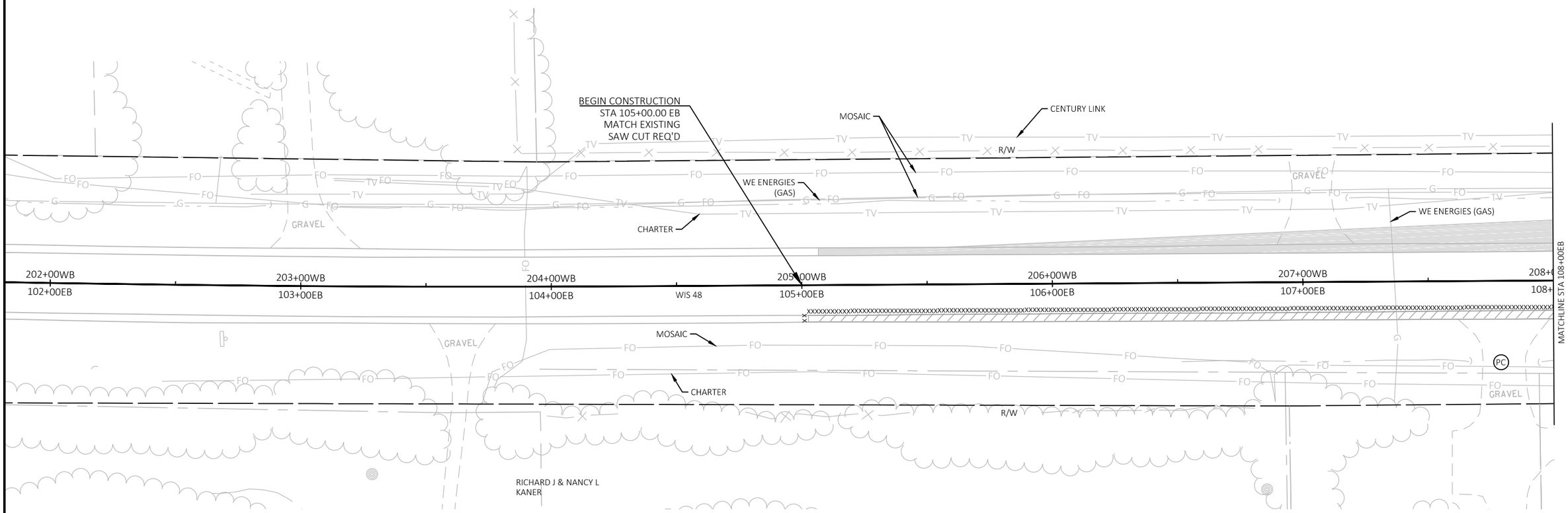
PLOT DATE : 10/8/2019 9:55 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT

N



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 45	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021060_cd_Removals s2

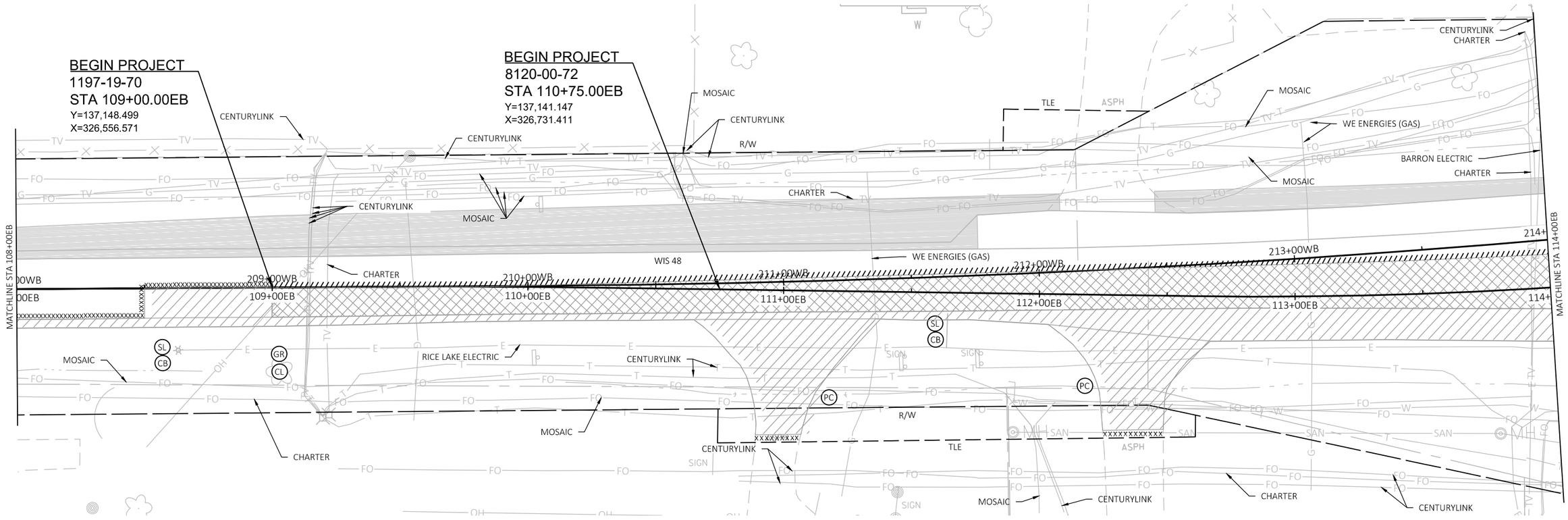
PLOT DATE : 10/8/2019 9:56 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



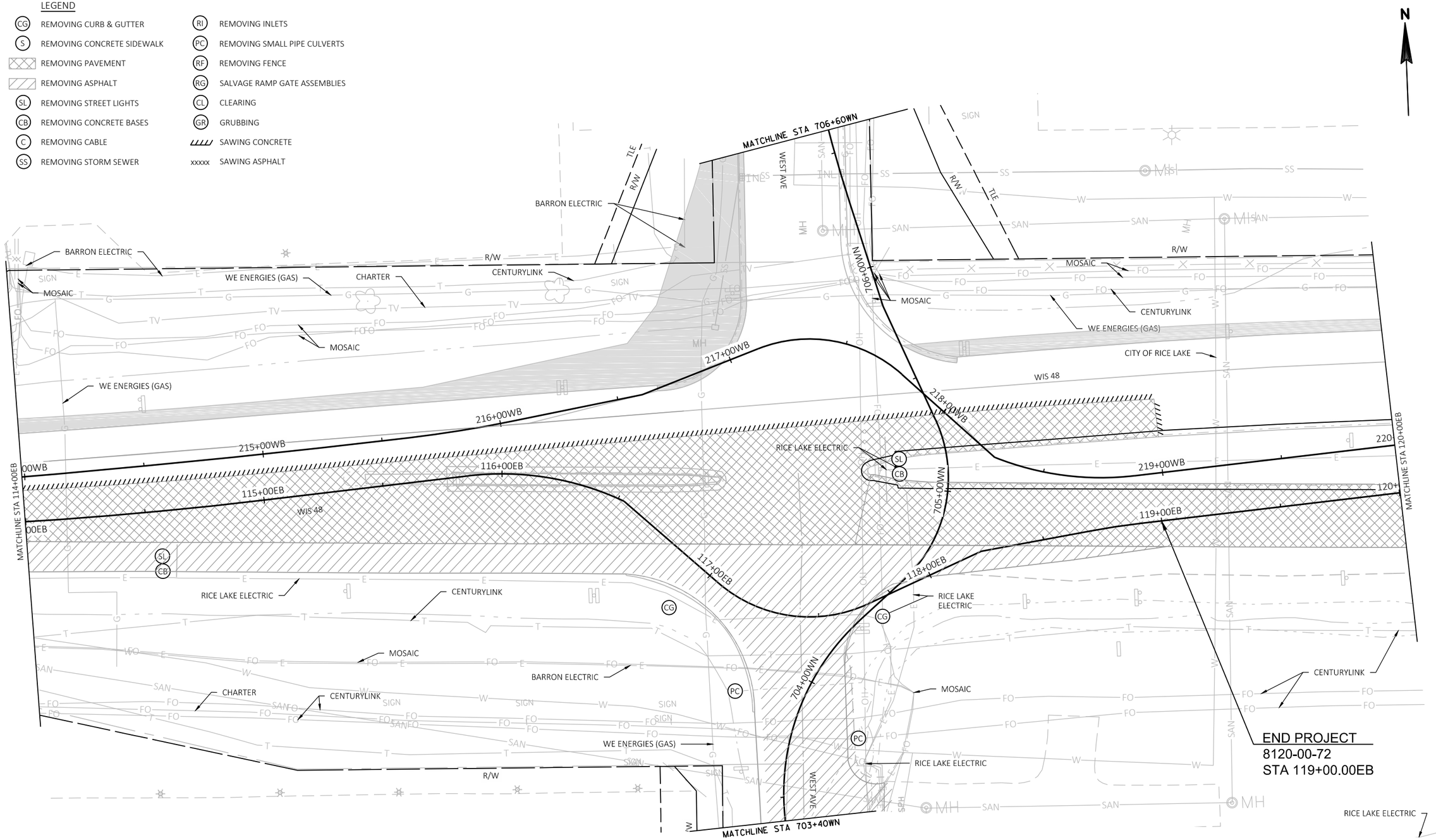
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 46	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021061_cd_Removals s2

PLOT DATE : 10/8/2019 9:56 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

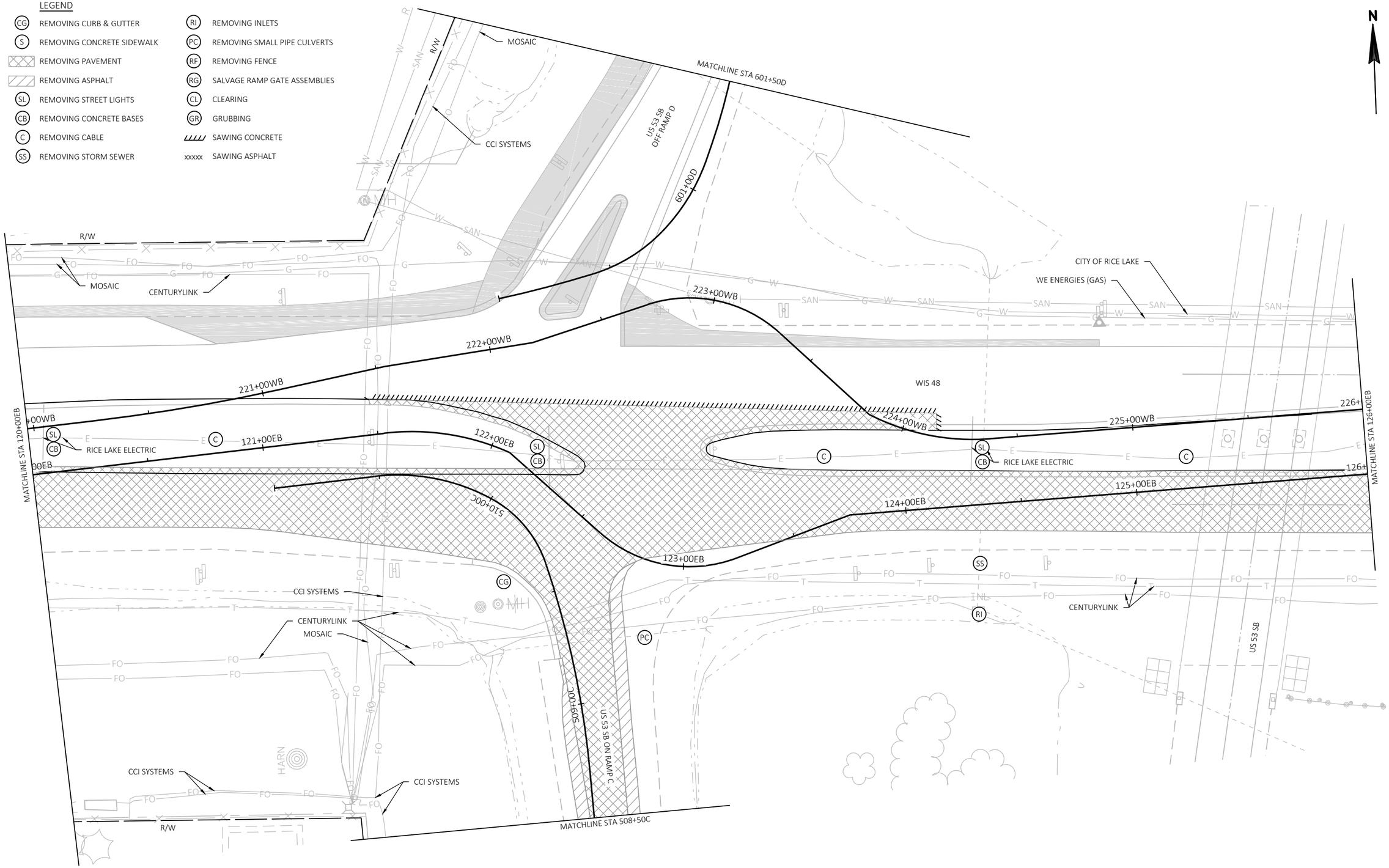


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 47	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021062_cd_Removals s2
PLOT DATE : 10/8/2019 9:56 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



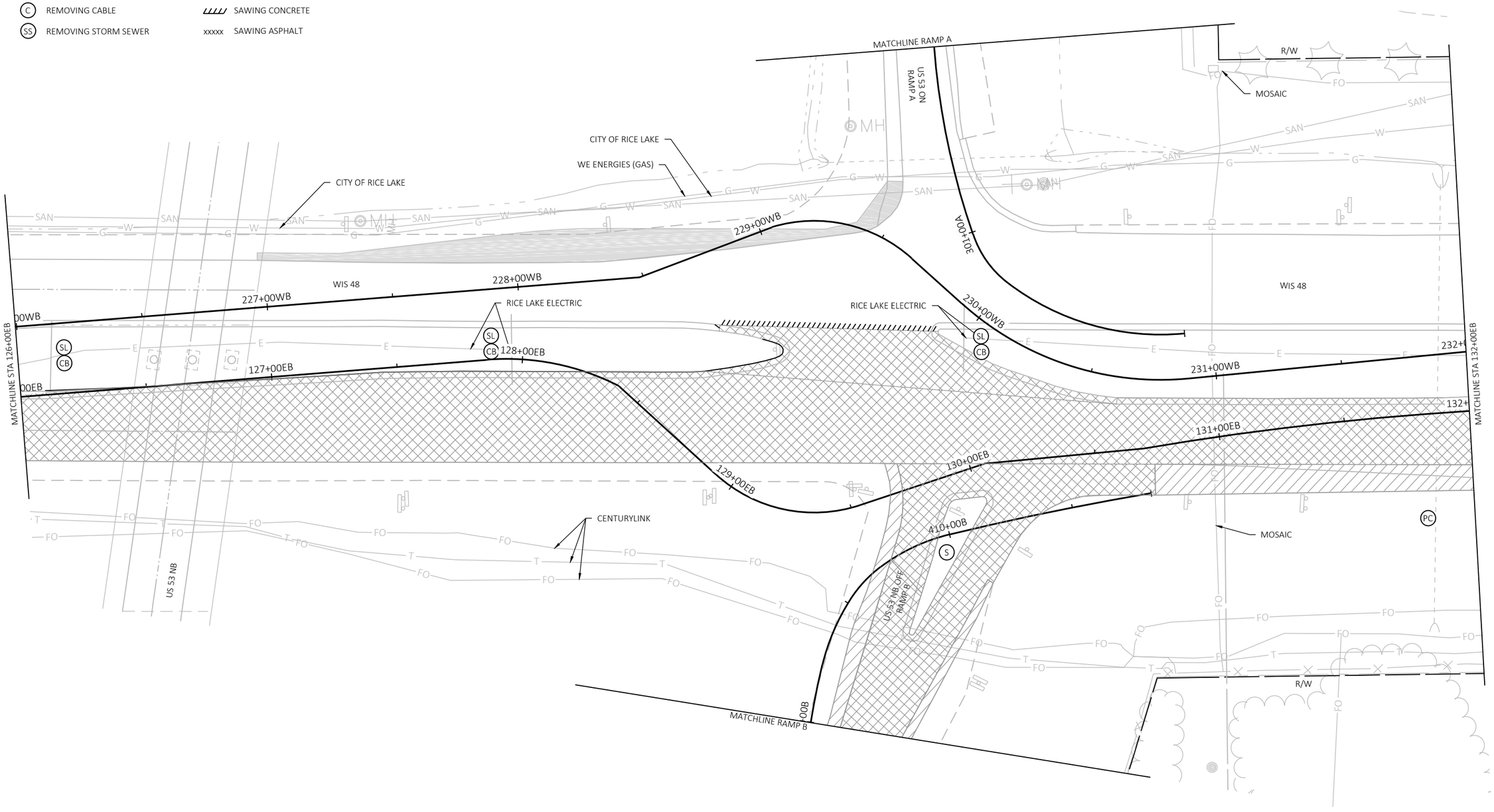
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 48	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021063_cd_Removals s2

PLOT DATE : 10/8/2019 9:56 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 49	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021064_cd_Removals s2

PLOT DATE : 10/8/2019 9:57 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING

N

CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
BEAR PAW AVE
WIS 48
MATCHLINE STA 132+00EB
MATCHLINE STA 138+00EB
233+00WB
234+00WB
235+00WB
236+00WB
237+00WB
238+0
00WB
00EB
133+00EB
134+00EB
135+00EB
136+00EB
137+00EB
138+
RICE LAKE ELECTRIC
CENTURYLINK
CENTURYLINK
CHARTER
CENTURYLINK
1.5"
R/W
R/W
CITY OF RICE LAKE
LAKEVIEW MEDICAL CENTER INC
WE ENERGIES (GAS)
BEAR PAW AVE
CENTURYLINK

2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 50	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021065_cd_Removals s2
PLOT DATE : 10/8/2019 9:57 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING

SIPPLE INSURANCE AGENCY INC

R/W

INL

SIGN

W

WE ENERGIES (GAS)

CAUTION

RICE LAKE ELECTRIC

MATCHLINE STA 138+00EB

0WB 239+00WB 240+00WB 241+00WB

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

WIS 48

1.5"

CENTURY LINK

CHARTER

R/W

FAMILY HEALTH CENTER OF MARSHFIELD INC

N

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 51	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021051_CD_REMOVALS S2.DWG
LAYOUT NAME - 021066_cd_Removals s2

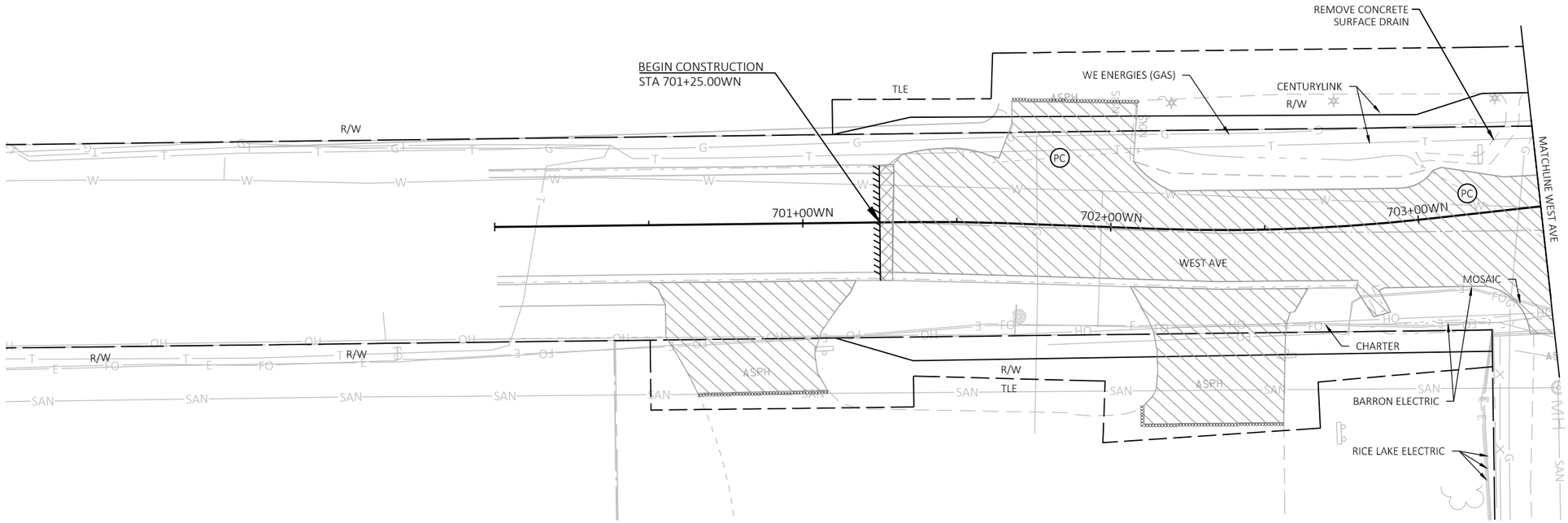
PLOT DATE : 10/8/2019 9:57 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

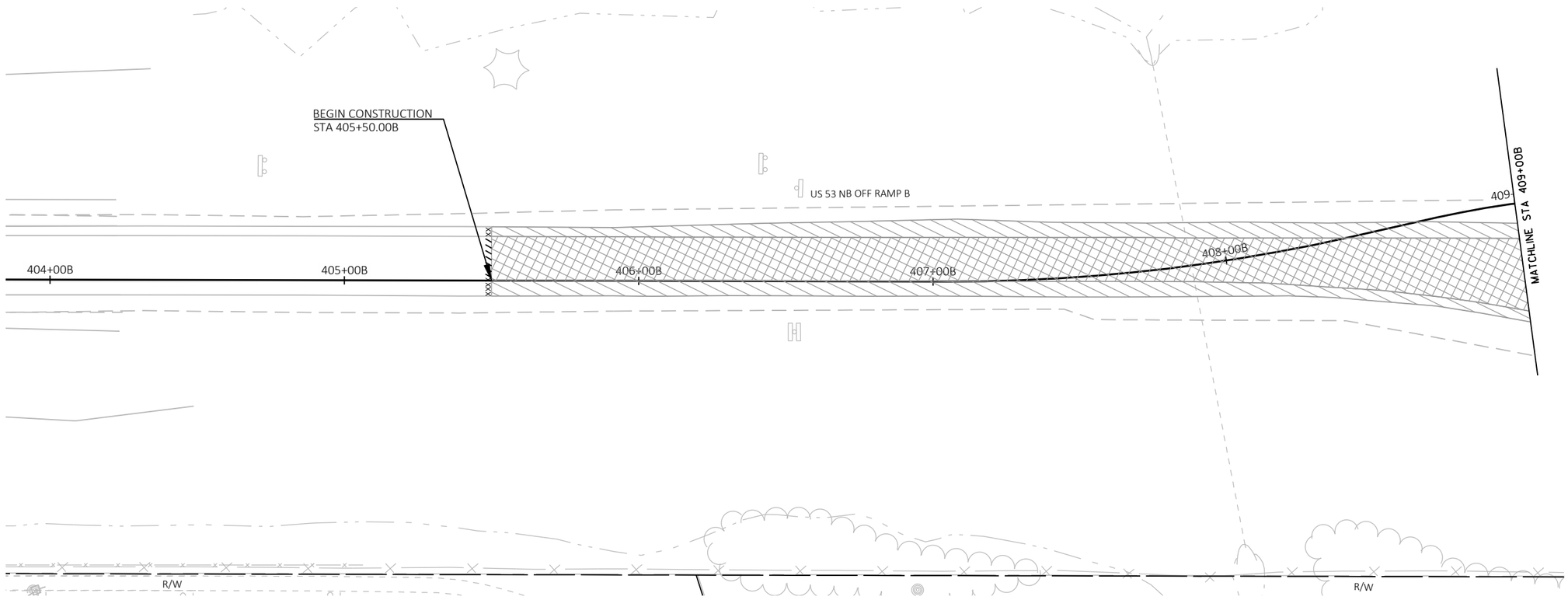
N



2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 53	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021056_CD_REMOVALS S2_SIDE RDS.DWG
LAYOUT NAME - 021069_cd_Removals s2-Side Rds

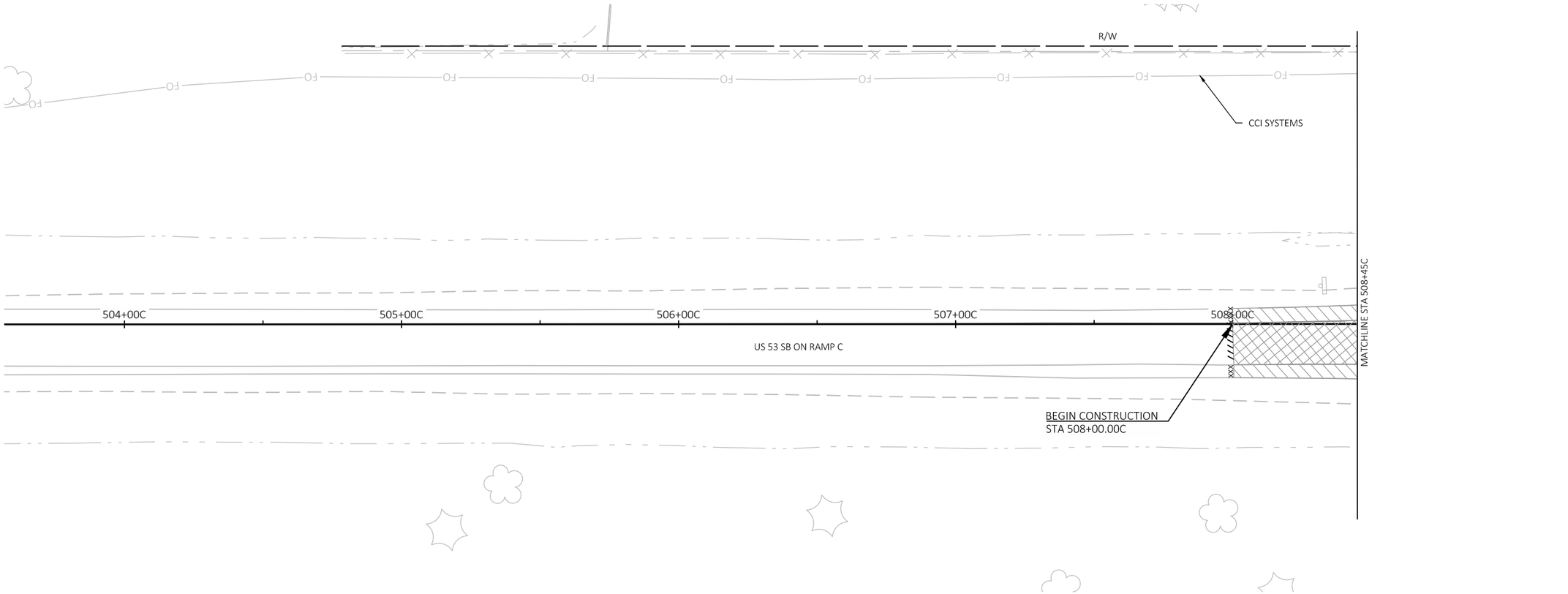
PLOT DATE : 10/8/2019 9:58 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT

N



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 2	SHEET 54	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021056_CD_REMOVALS S2_SIDE RDS.DWG
LAYOUT NAME - 021070_cd_Removals s2-Side Rds

PLOT DATE : 10/8/2019 9:58 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

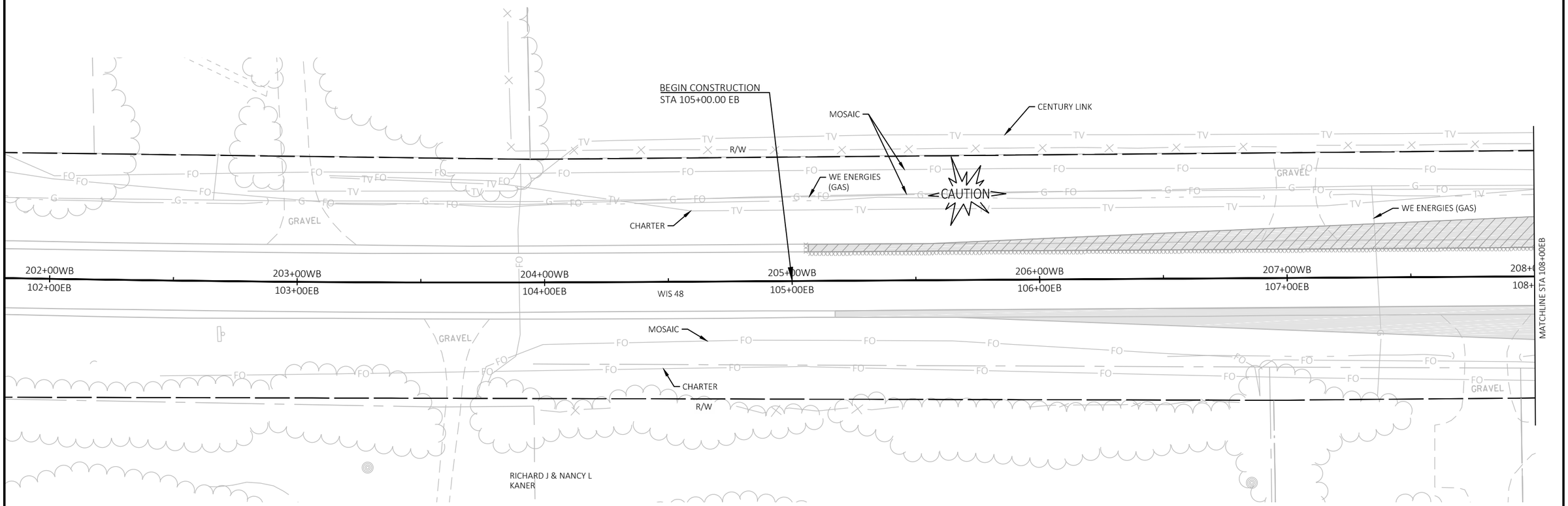
2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE	//////	SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT

N

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 55	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021072_cd_Removals s3

PLOT DATE : 10/8/2019 10:00 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

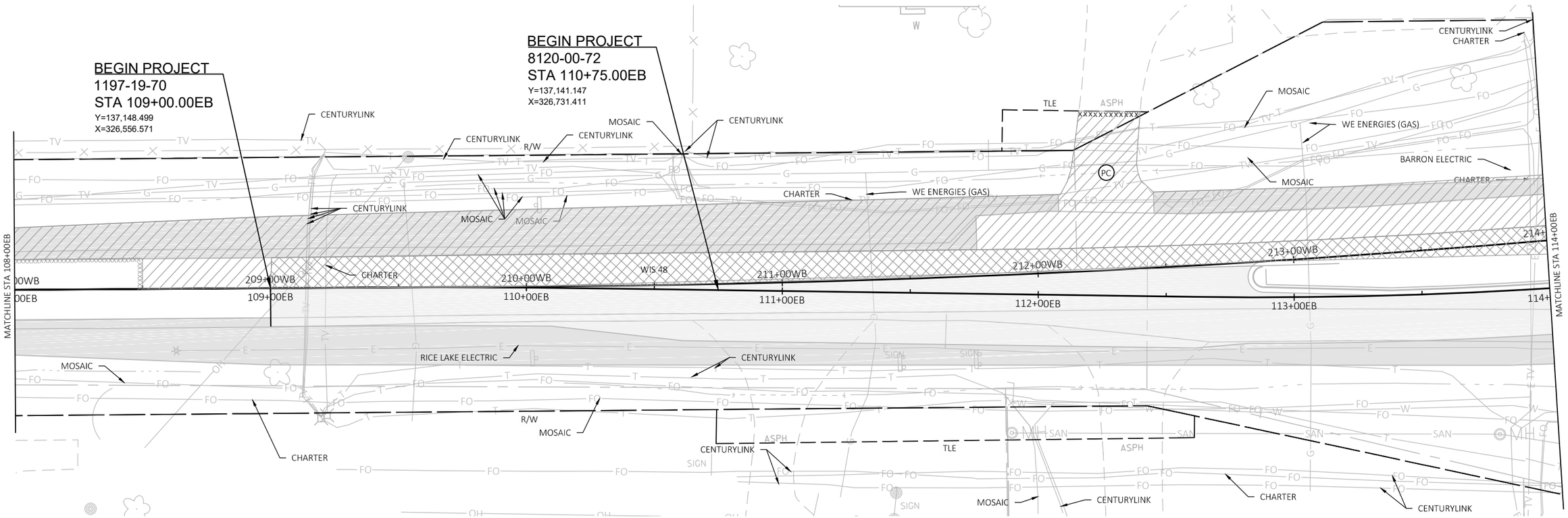
WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 56	E

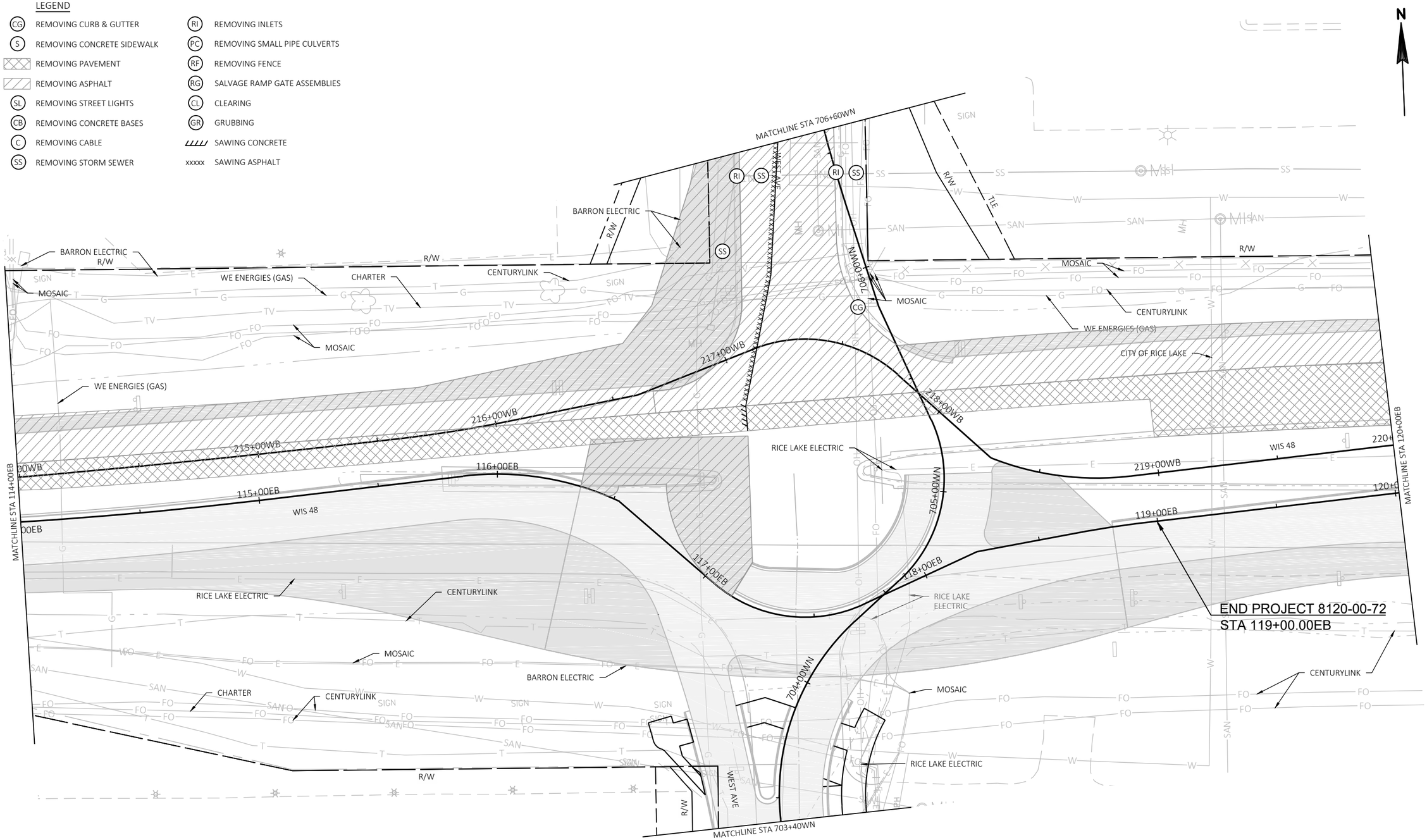
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021073_cd_Removals s3

PLOT DATE : 10/8/2019 10:00 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



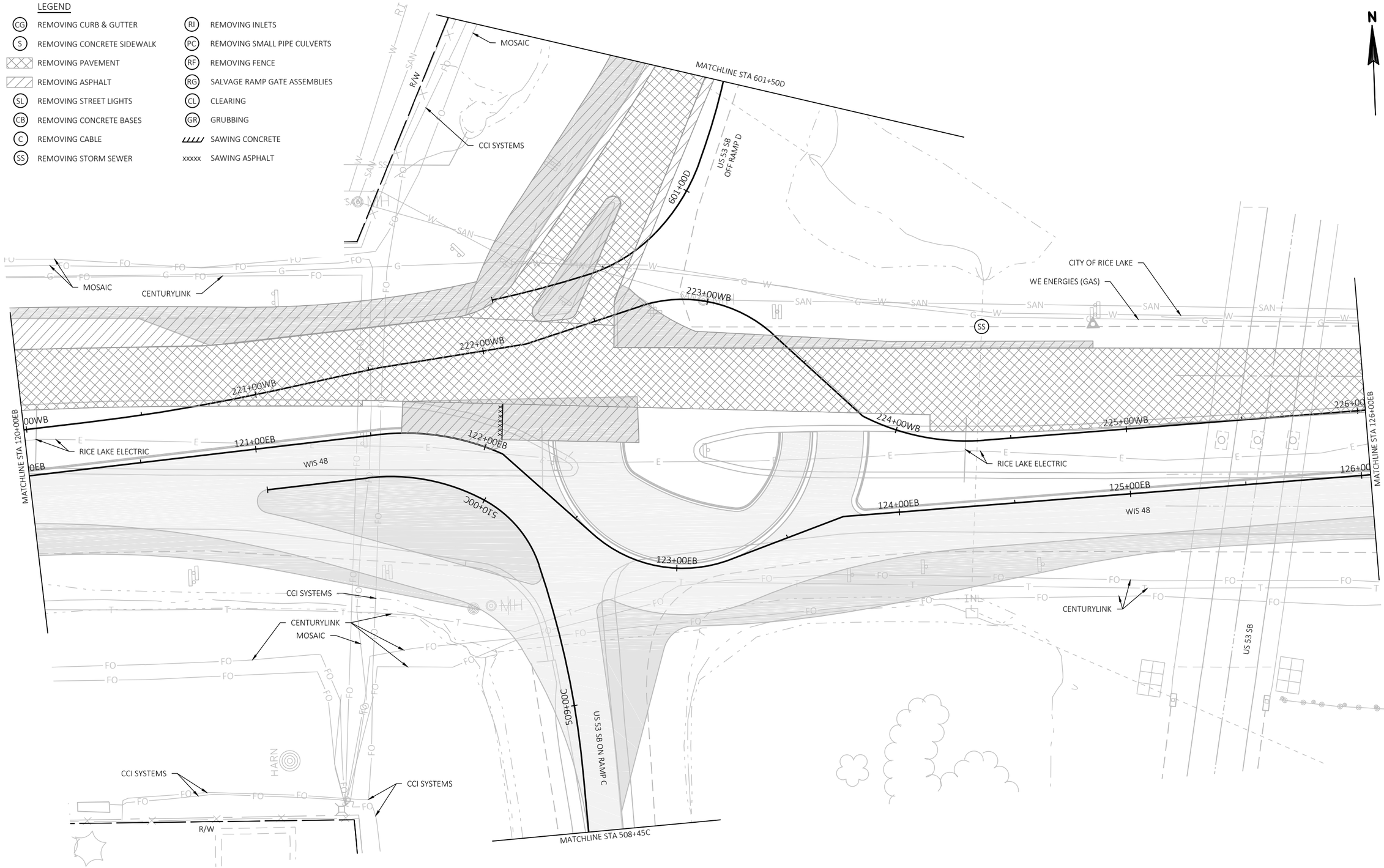
2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 57	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021074_cd_Removals s3
PLOT DATE : 10/8/2019 10:00 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 58	E

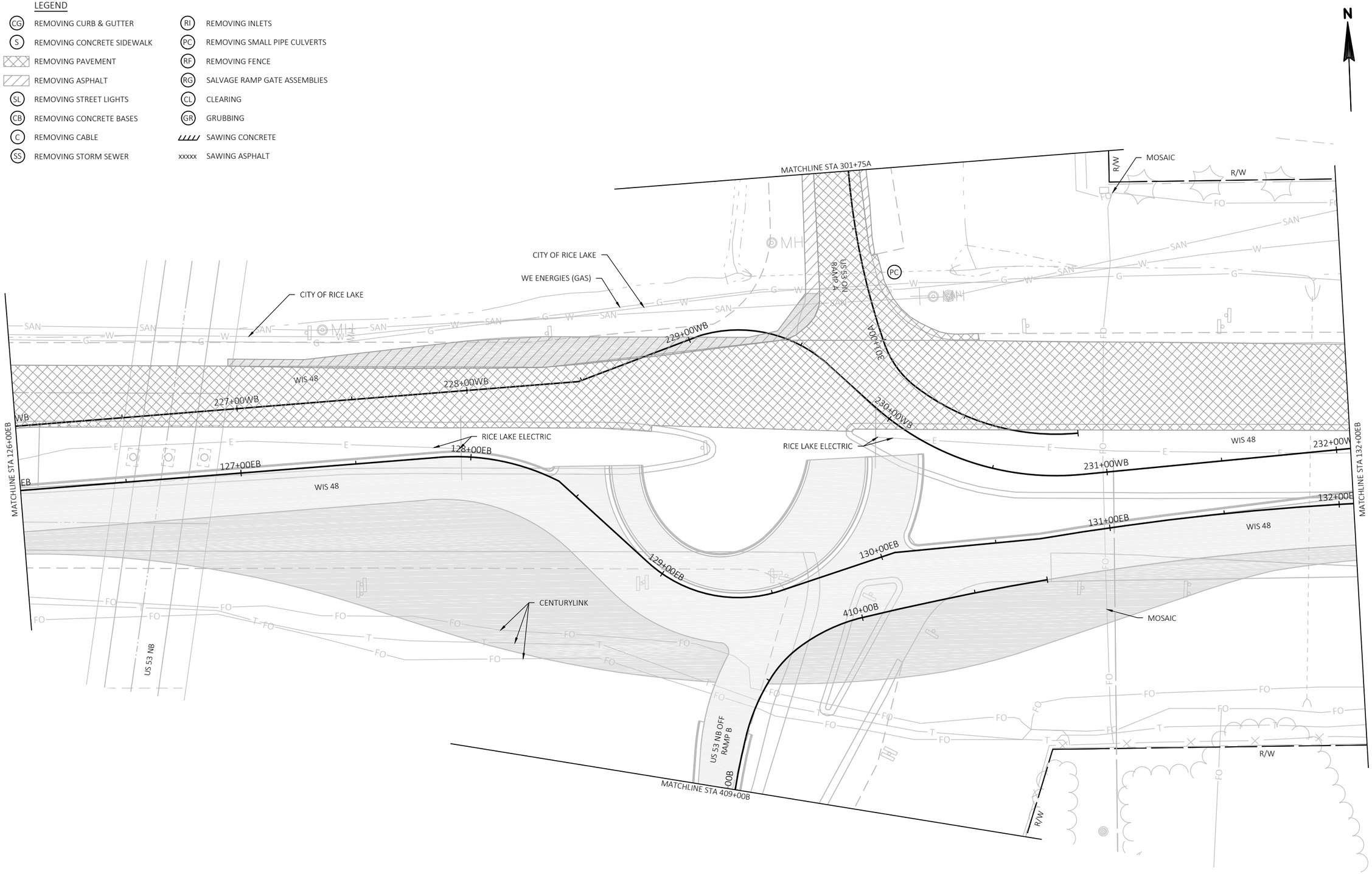
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021075_cd_Removals s3

PLOT DATE : 10/8/2019 10:00 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 59	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021076_cd_Removals s3

PLOT DATE : 10/8/2019 10:00 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING

N

CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
MOSAIC
CHARTER
BEAR PAW AVE
CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
RICE LAKE ELECTRIC
CHARTER
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
WE ENERGIES (GAS)

233+00WB 234+00WB 235+00WB 236+00WB 237+00WB 238+00W
WIS 48
RICE LAKE ELECTRIC
MATCHLINE STA 132+00EB
133+00EB 134+00EB 135+00EB 136+00EB 137+00EB 138+00E
WIS 48
MATCHLINE STA 138+00EB

CENTURYLINK
CHARTER
CENTURYLINK
CENTURYLINK
R/W
R/W
CITY OF RICE LAKE
LAKEVIEW MEDICAL CENTER INC
WE ENERGIES (GAS)
BEAR PAW AVE
CENTURYLINK

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 60	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021077_cd_Removals s3
PLOT DATE : 10/8/2019 10:01 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING

SIPPLE INSURANCE AGENCY INC

R/W

INL

SIGN

W

CAUTION

WE ENERGIES (GAS)

RICE LAKE ELECTRIC

1.5"

WIS 48

MATCHLINE STA 138+00EB

0WB

239+00WB

240+00WB

241+00WB

00EB

139+00EB

140+00EB

141+00EB

142+00EB

143+00EB

144+00EB

CENTURY LINK

CHARTER

FAMILY HEALTH CENTER OF MARSHFIELD INC

N

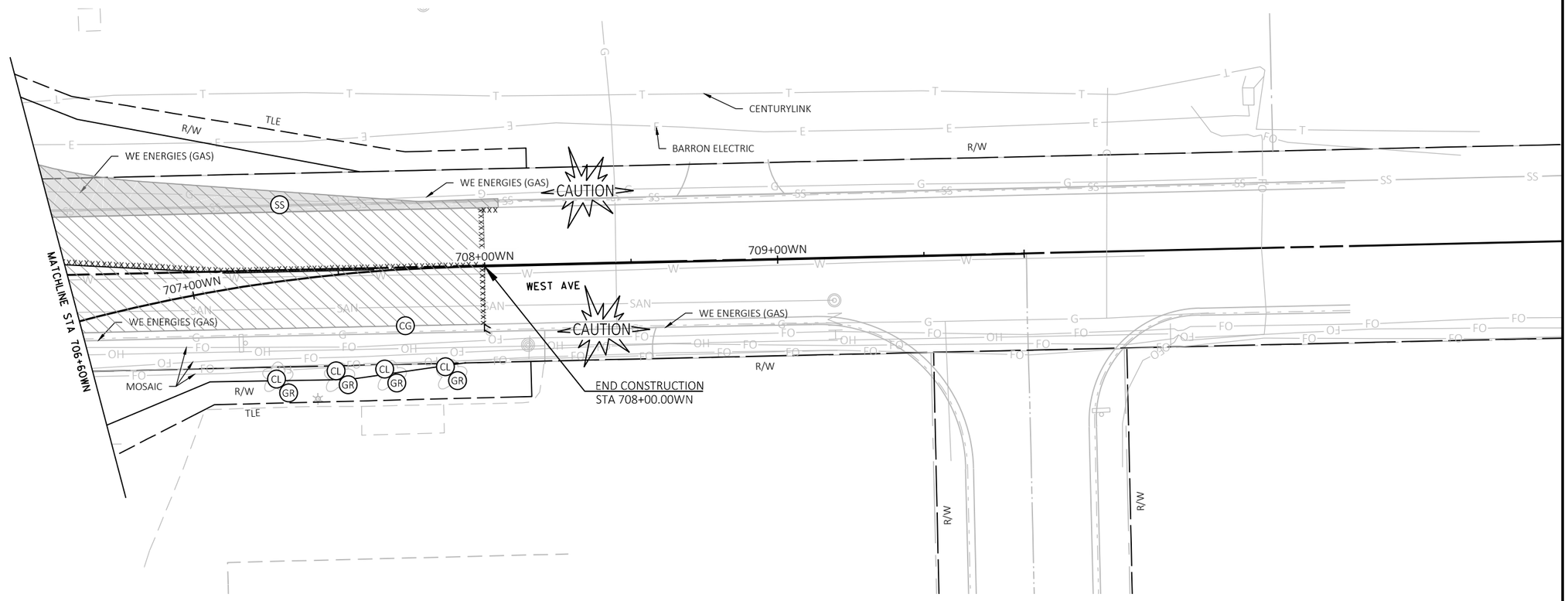
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 61	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S3.DWG
LAYOUT NAME - 021078_cd_Removals s3

PLOT DATE : 10/8/2019 10:01 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 62	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021057_CD_REMOVALS S3_SIDE RDS.DWG
LAYOUT NAME - 021080_cd_Removals s3-Side Rds

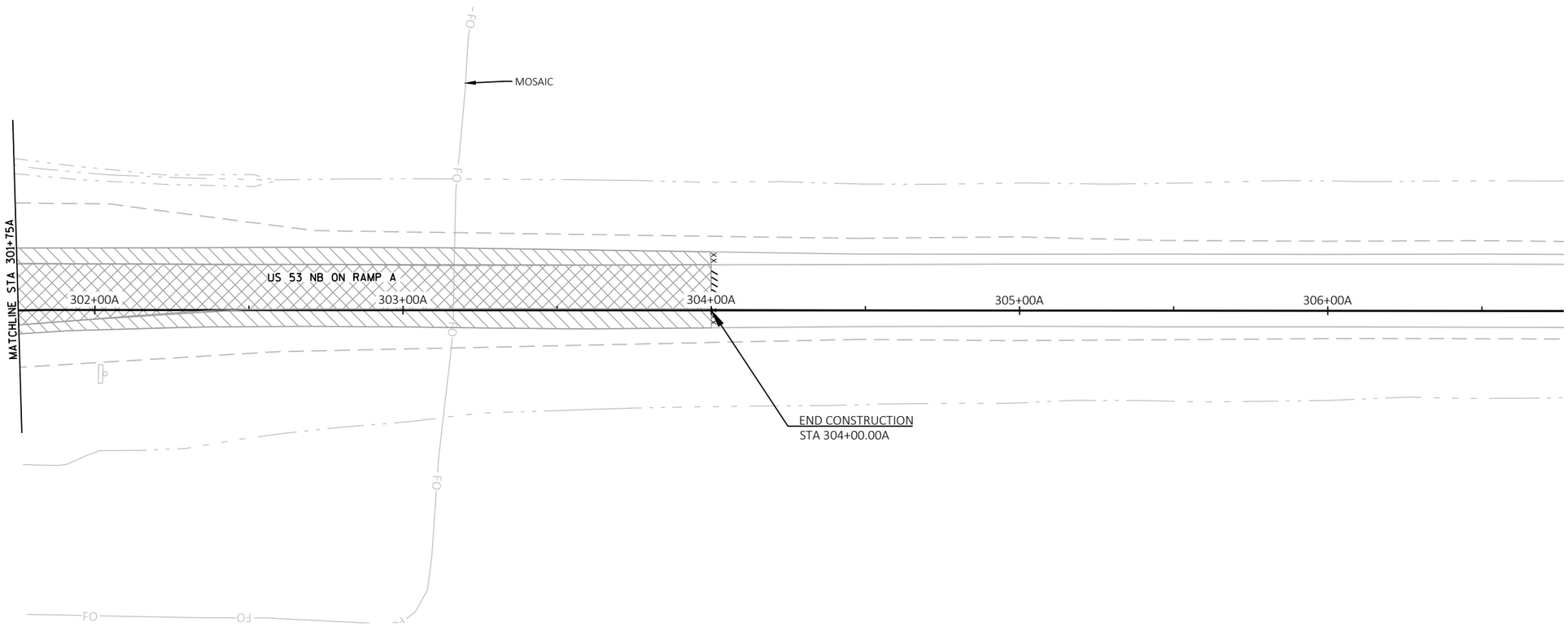
PLOT DATE : 10/8/2019 10:02 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : ##########

2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT

N



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 63	E

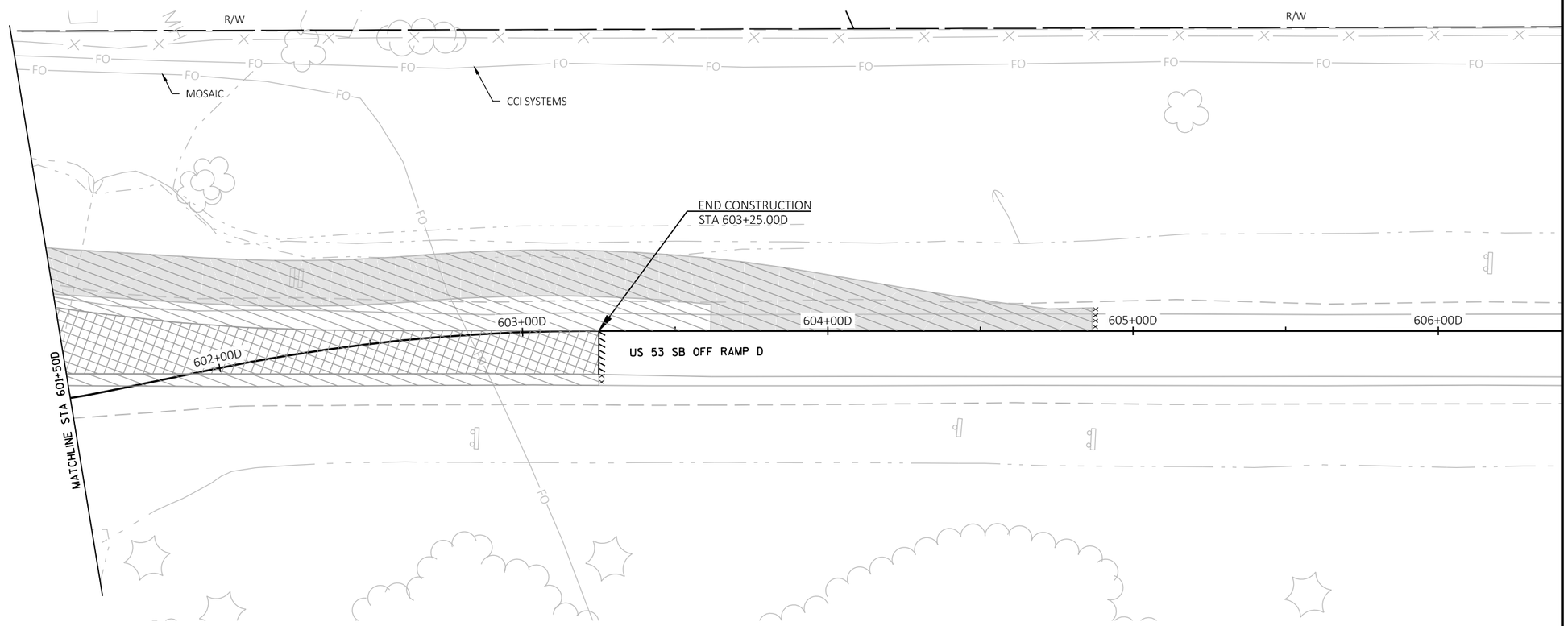
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021057_CD_REMOVALS S3_SIDE RDS.DWG
LAYOUT NAME - 021081_cd_Removals s3-Side Rds

PLOT DATE : 10/8/2019 10:02 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : ##########

2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 3	SHEET 64	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021057_CD_REMOVALS S3_SIDE RDS.DWG
LAYOUT NAME - 021084_cd_Removals s3-Side Rds

PLOT DATE : 10/8/2019 10:03 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : ##########

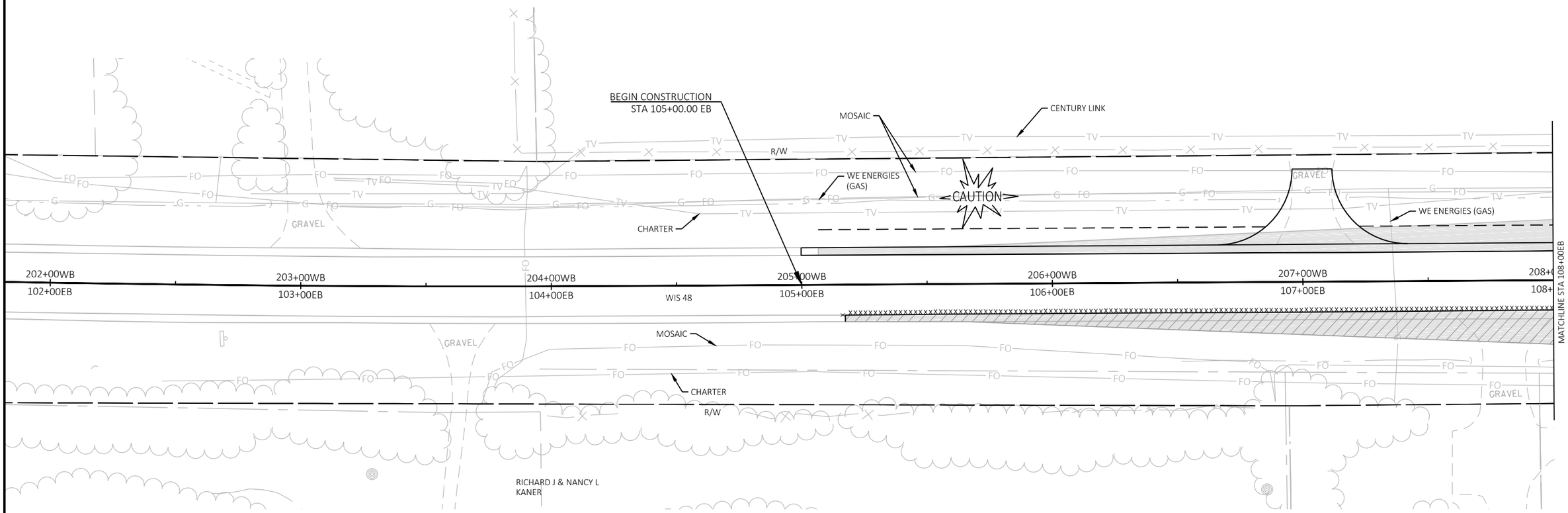
2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT

N

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 65 E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021085_cd_Removals s4

PLOT DATE : 10/8/2019 10:04 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

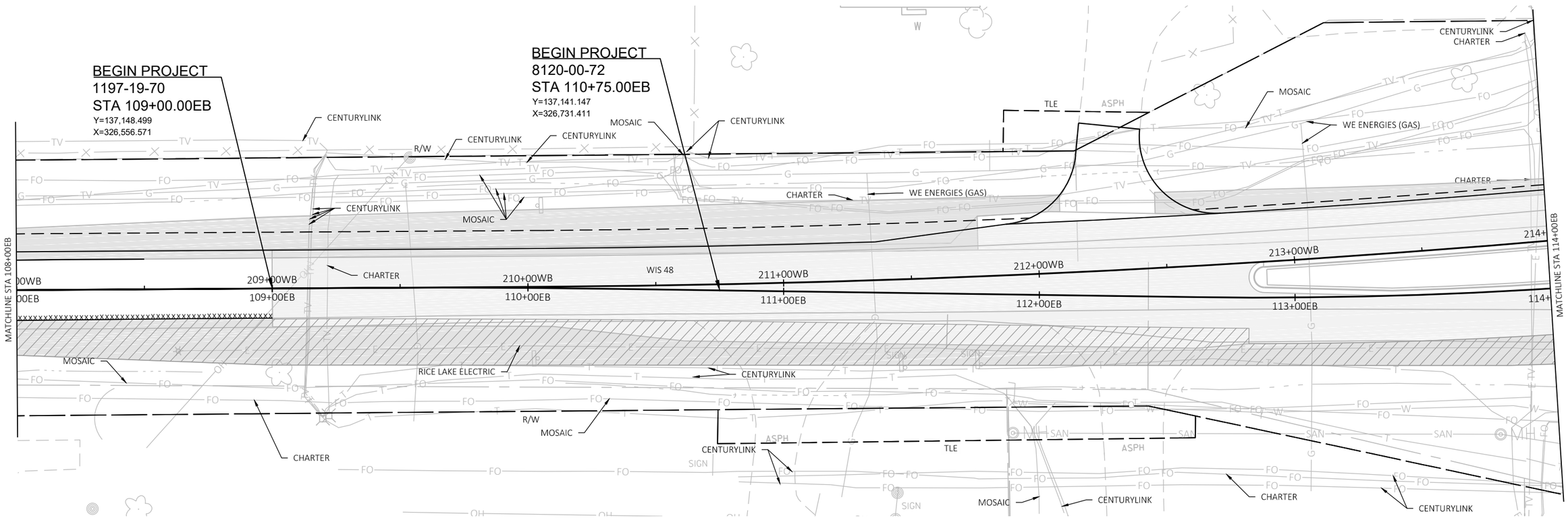
WISDOT/CADDS SHEET 44

2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 66 E

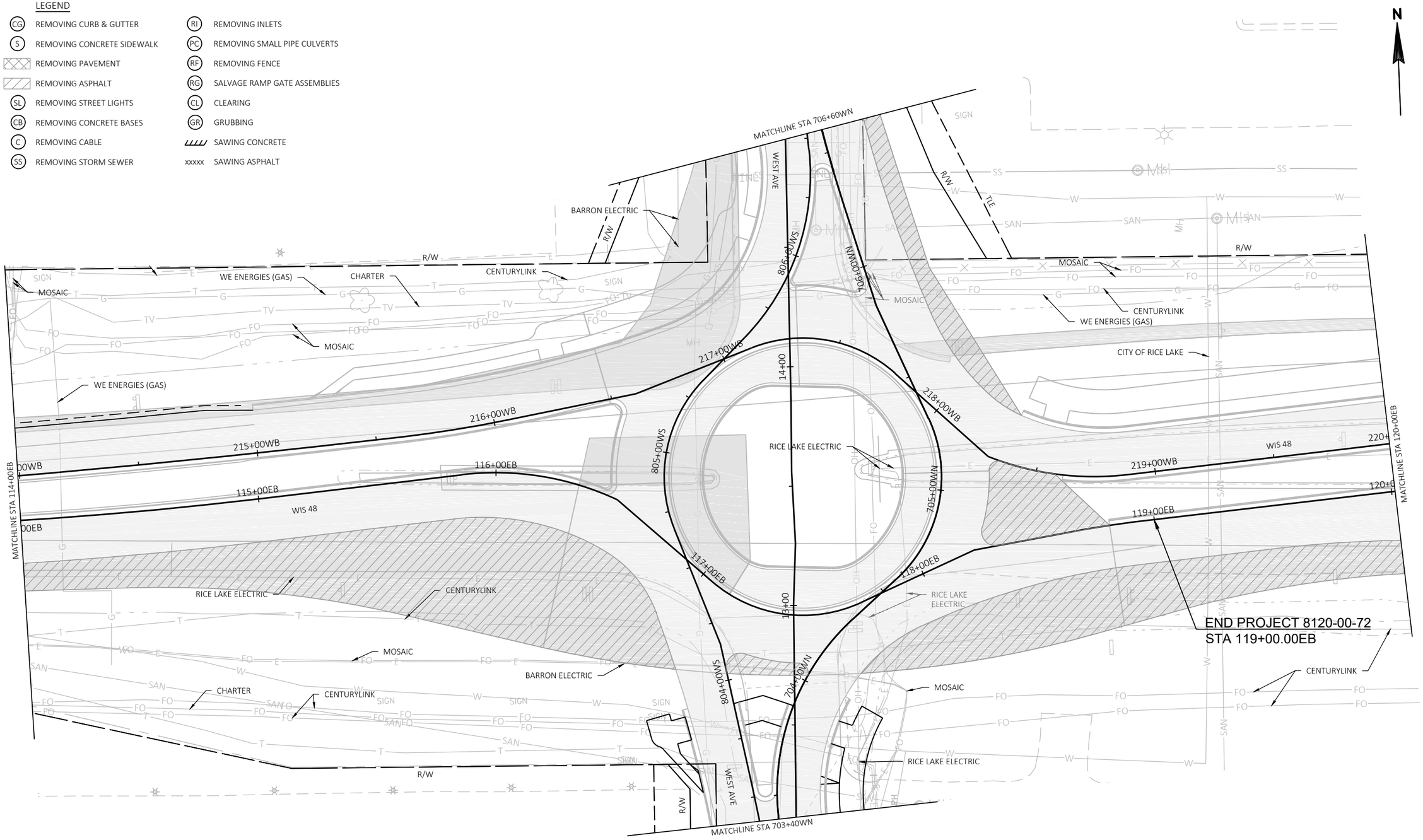
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021086_cd_Removals s4

PLOT DATE : 10/8/2019 10:04 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

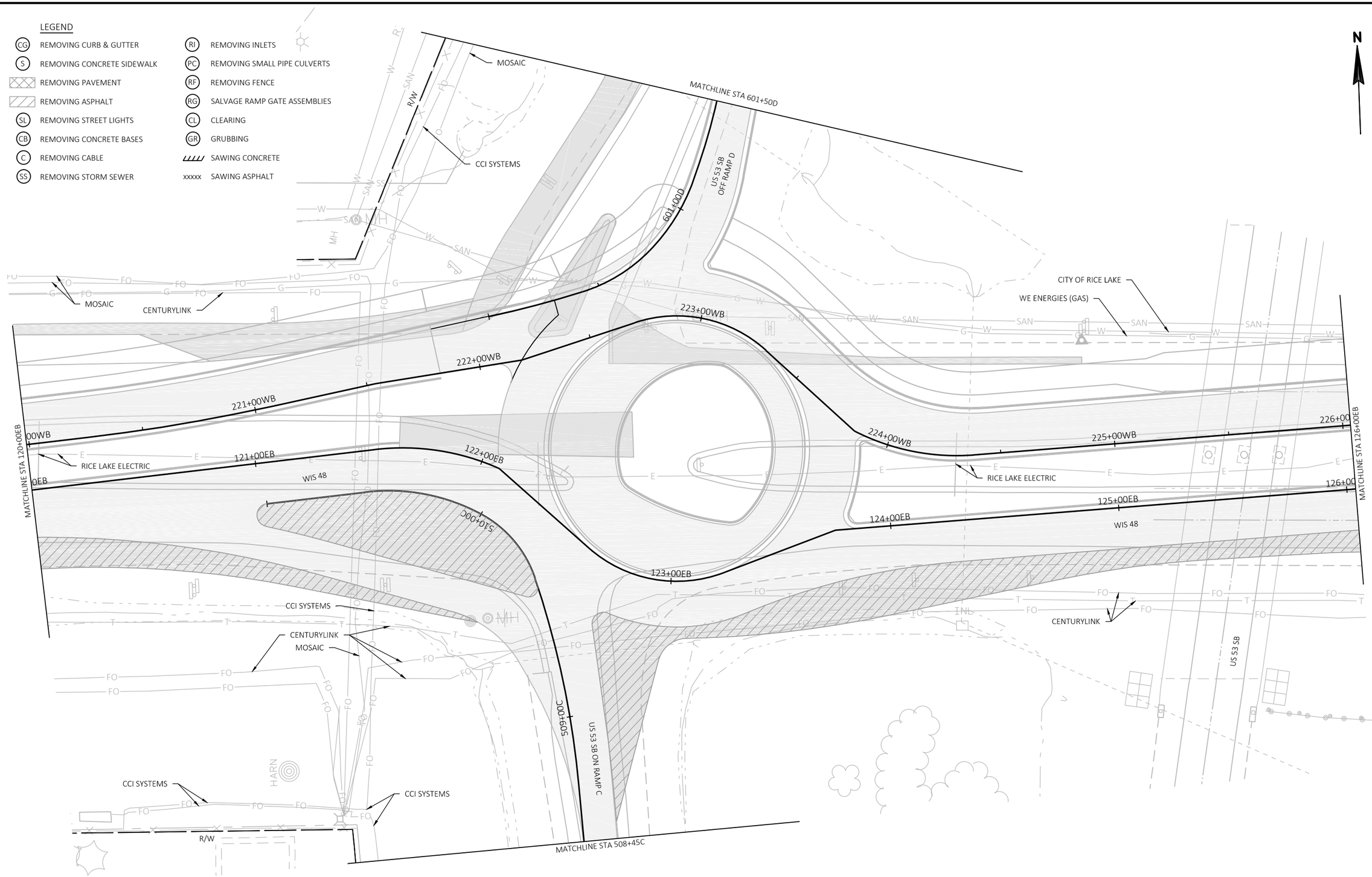
- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 68	E

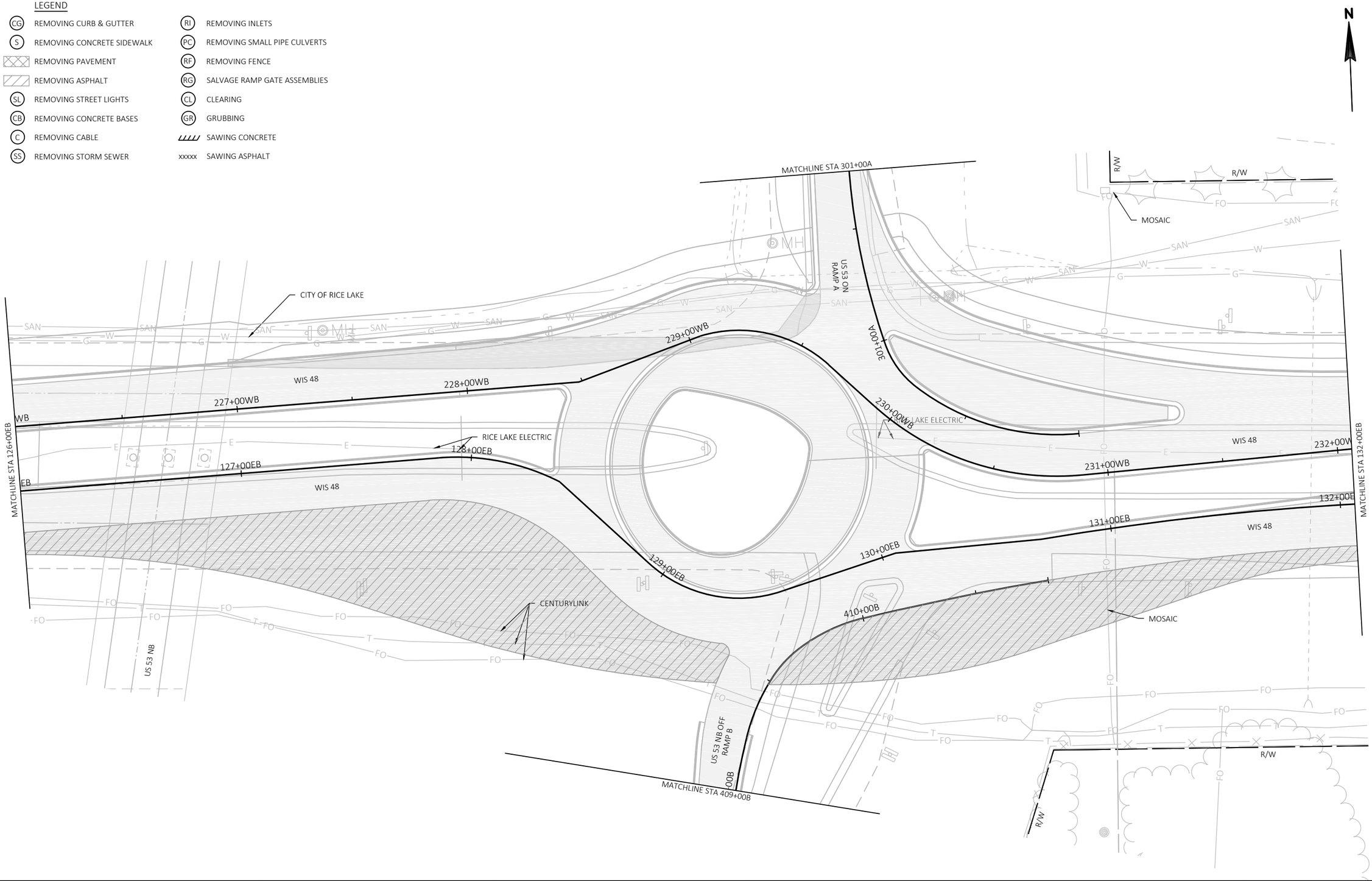
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021088_cd_Removals s4

PLOT DATE : 10/8/2019 10:05 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 69	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021089_cd_Removals s4

PLOT DATE : 10/8/2019 10:05 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING

N

CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
R/W
CHARTER
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
BEAR PAW AVE
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
WIS 48
233+00WB
234+00WB
235+00WB
236+00WB
237+00WB
238+00W
MATCHLINE STA 132+00EB
RICE LAKE ELECTRIC
133+00EB
134+00EB
135+00EB
136+00EB
137+00EB
138+00E
MATCHLINE STA 138+00EB
WIS 48
CENTURYLINK
CHARTER
CENTURYLINK
CENTURYLINK
R/W
R/W
CITY OF RICE LAKE
LAKEVIEW MEDICAL CENTER INC
WE ENERGIES (GAS)
BEAR PAW AVE
CENTURYLINK

2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 70	E

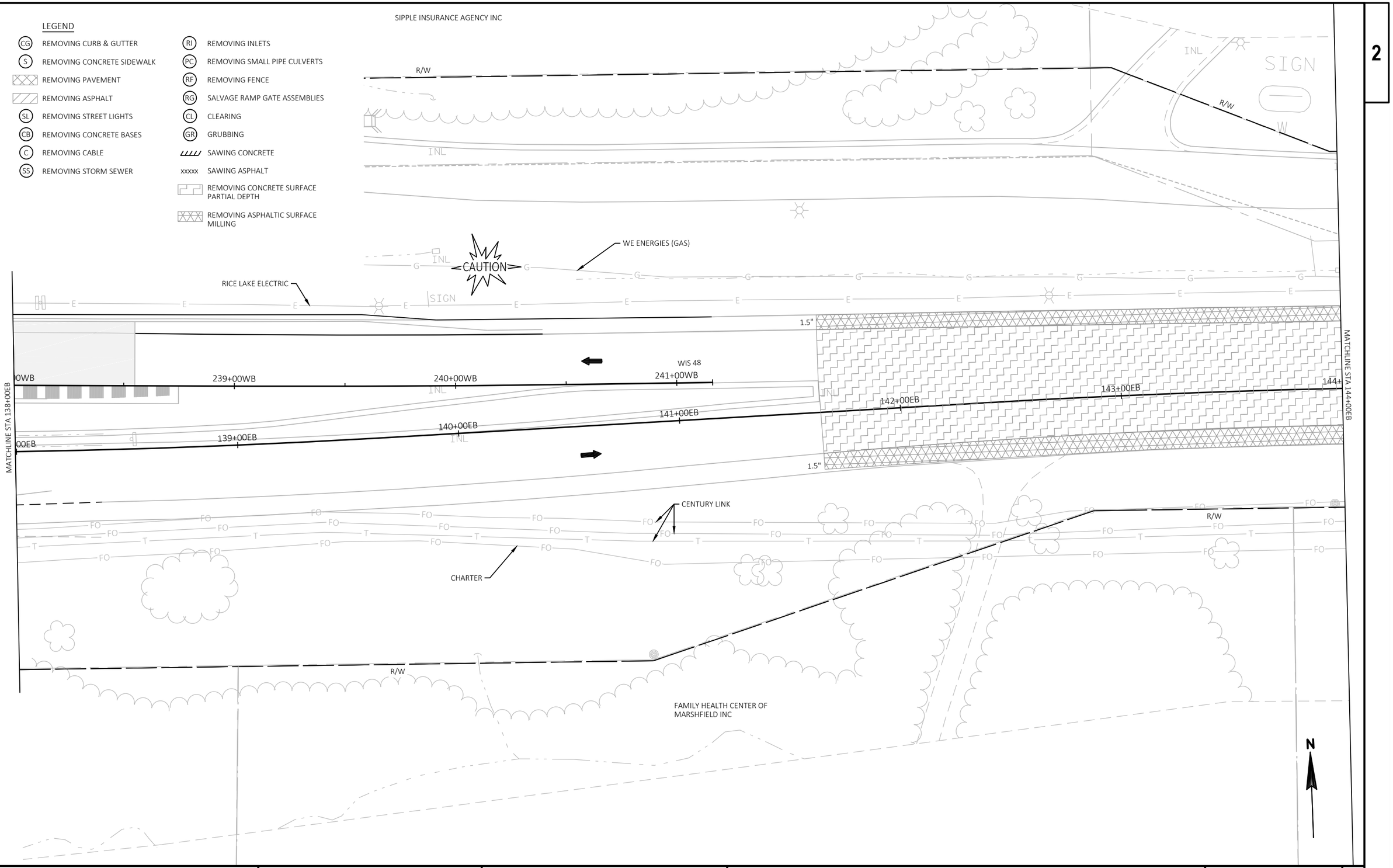
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021090_cd_Removals s4

PLOT DATE : 10/8/2019 10:05 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 71	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021091_cd_Removals s4

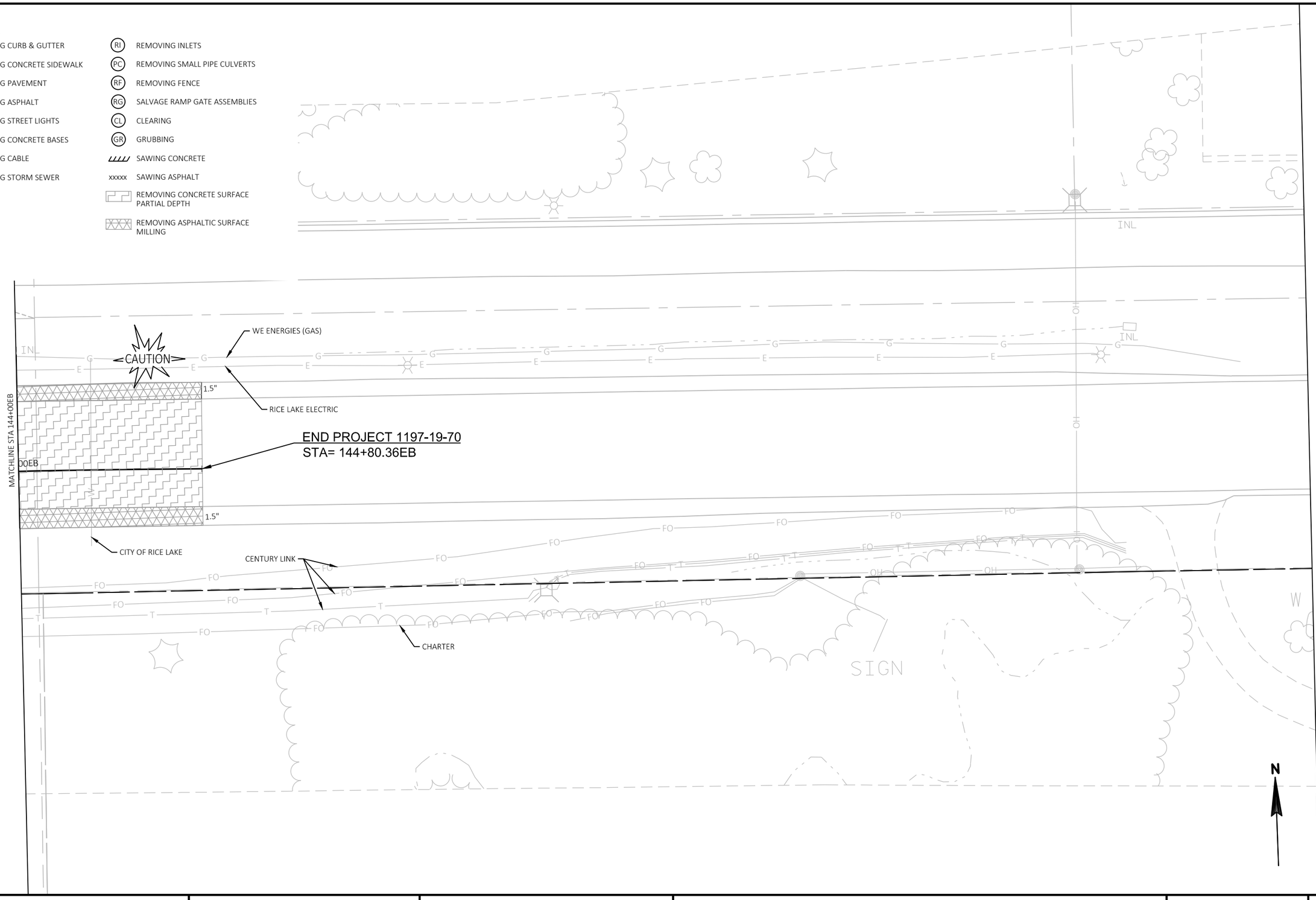
PLOT DATE : 10/8/2019 10:05 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- (CG) REMOVING CURB & GUTTER
- (S) REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT
- REMOVING ASPHALT
- (SL) REMOVING STREET LIGHTS
- (CB) REMOVING CONCRETE BASES
- (C) REMOVING CABLE
- (SS) REMOVING STORM SEWER
- (RI) REMOVING INLETS
- (PC) REMOVING SMALL PIPE CULVERTS
- (RF) REMOVING FENCE
- (RG) SALVAGE RAMP GATE ASSEMBLIES
- (CL) CLEARING
- (GR) GRUBBING
- SAWING CONCRETE
- xxxxx SAWING ASPHALT
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- REMOVING ASPHALTIC SURFACE MILLING



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS - STAGE 4	SHEET 72	E

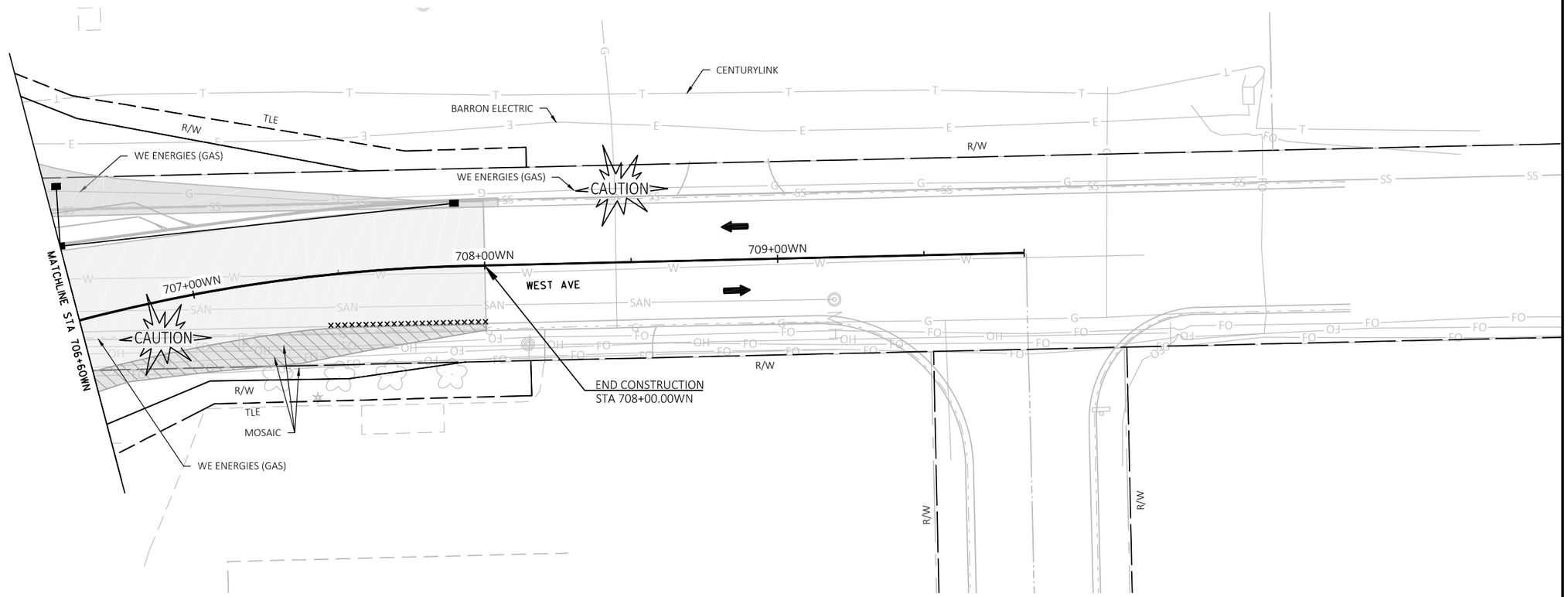
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021052_CD_REMOVALS S4.DWG
LAYOUT NAME - 021092_cd_Removals s4

PLOT DATE : 10/8/2019 10:05 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

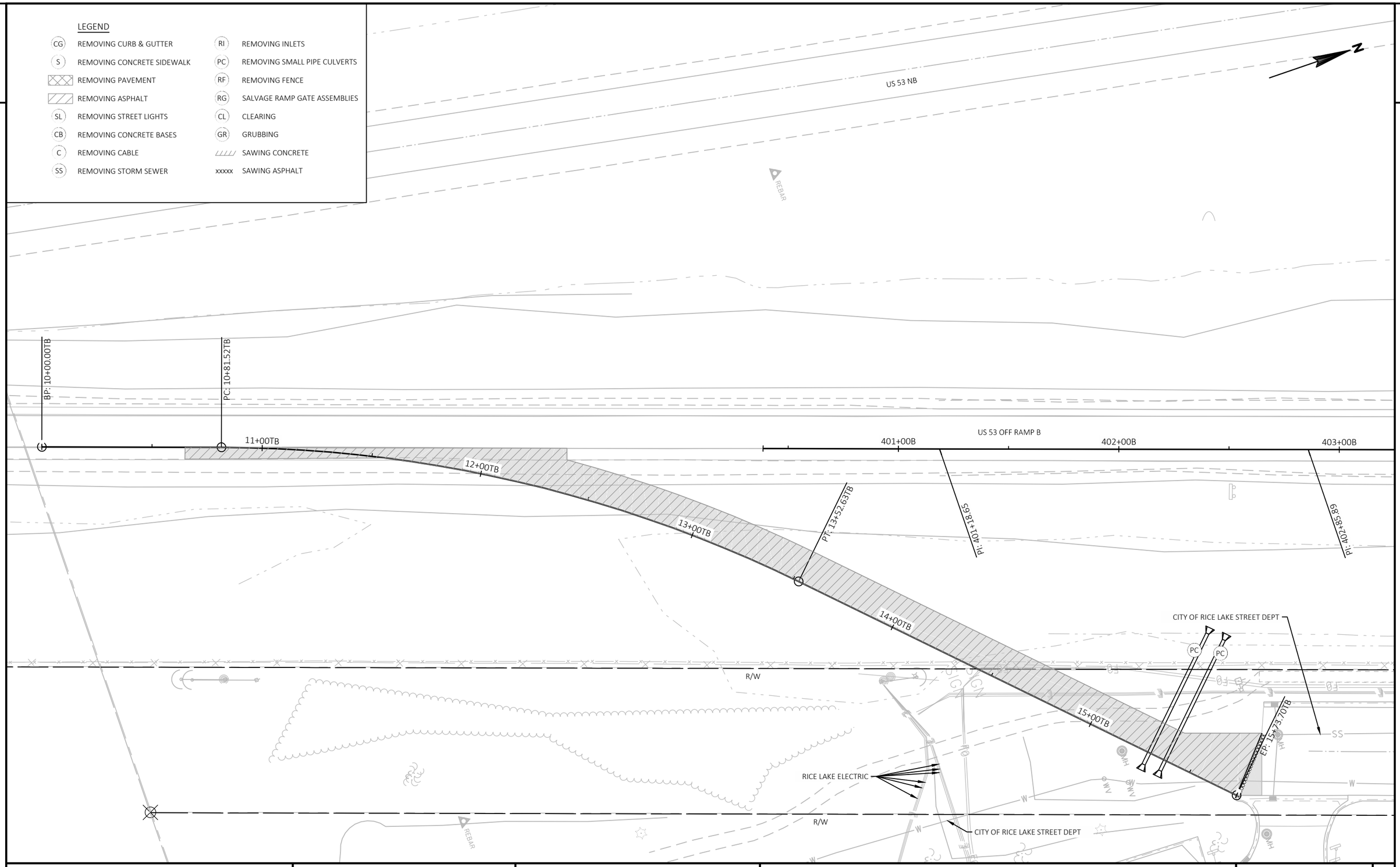
CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT



2

LEGEND

CG	REMOVING CURB & GUTTER	RI	REMOVING INLETS
S	REMOVING CONCRETE SIDEWALK	PC	REMOVING SMALL PIPE CULVERTS
	REMOVING PAVEMENT	RF	REMOVING FENCE
	REMOVING ASPHALT	RG	SALVAGE RAMP GATE ASSEMBLIES
SL	REMOVING STREET LIGHTS	CL	CLEARING
CB	REMOVING CONCRETE BASES	GR	GRUBBING
C	REMOVING CABLE		SAWING CONCRETE
SS	REMOVING STORM SEWER	xxxxx	SAWING ASPHALT



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	REMOVALS -STAGE 4	SHEET 74	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021057_CD_REMOVALS S4_SIDE RDS.DWG
LAYOUT NAME - 021095_cd_Removals s4-Side Rds (2)

PLOT DATE : 10/8/2019 10:07 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

LEGEND

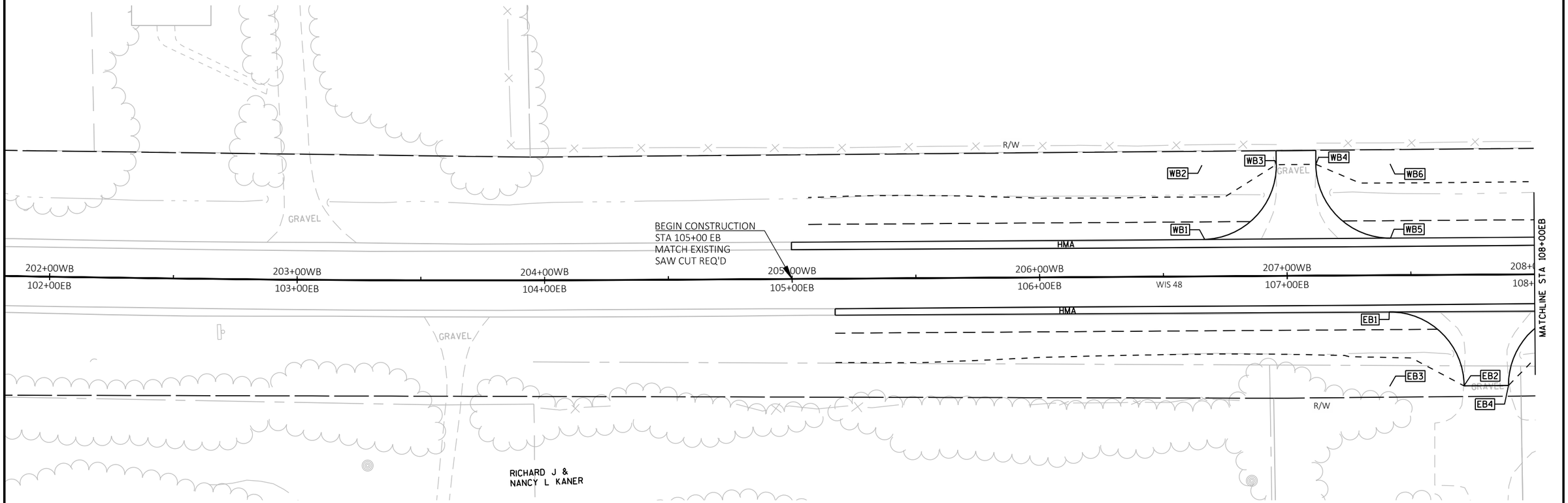
HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT
CTA-12	CONCRETE TRUCK APRON 12-INCH

N

2



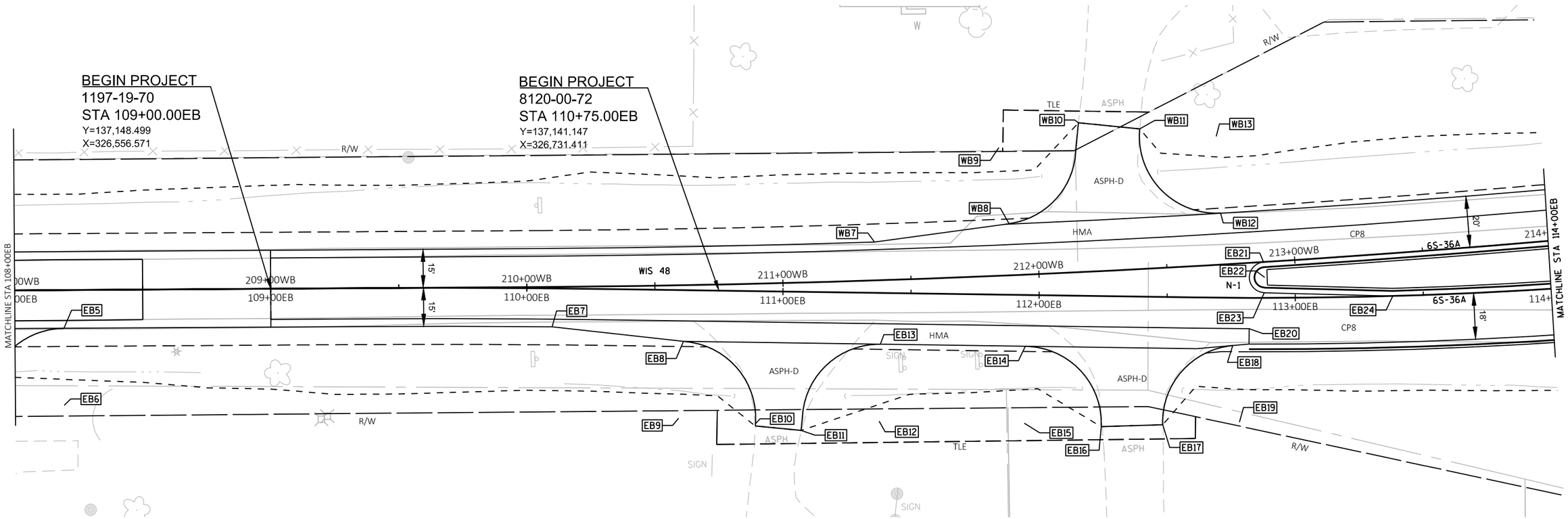
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS - WIS 48	SHEET 75 E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_pd
PLOT DATE : 10/8/2019 10:57 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

HMA	HMA PAVEMENT	18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
ASPH	ASPHALTIC SURFACE	30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8-INCH	30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CP8.5	CONCRETE PAVEMENT 8.5-INCH	30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL	CCM	CONCRETE CORRUGATED MEDIAN
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A		BASE PATCHING CONCRETE
CD-7	CONCRETE DRIVEWAY HES 7-INCH	6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A		DRAINAGE FLOW ARROW
SW-4	CONCRETE SIDEWALK 4-INCH	4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T		SLOPE INTERCEPT
SW-5	CONCRETE SIDEWALK 5-INCH			CTA-12	CONCRETE TRUCK APRON 12-INCH

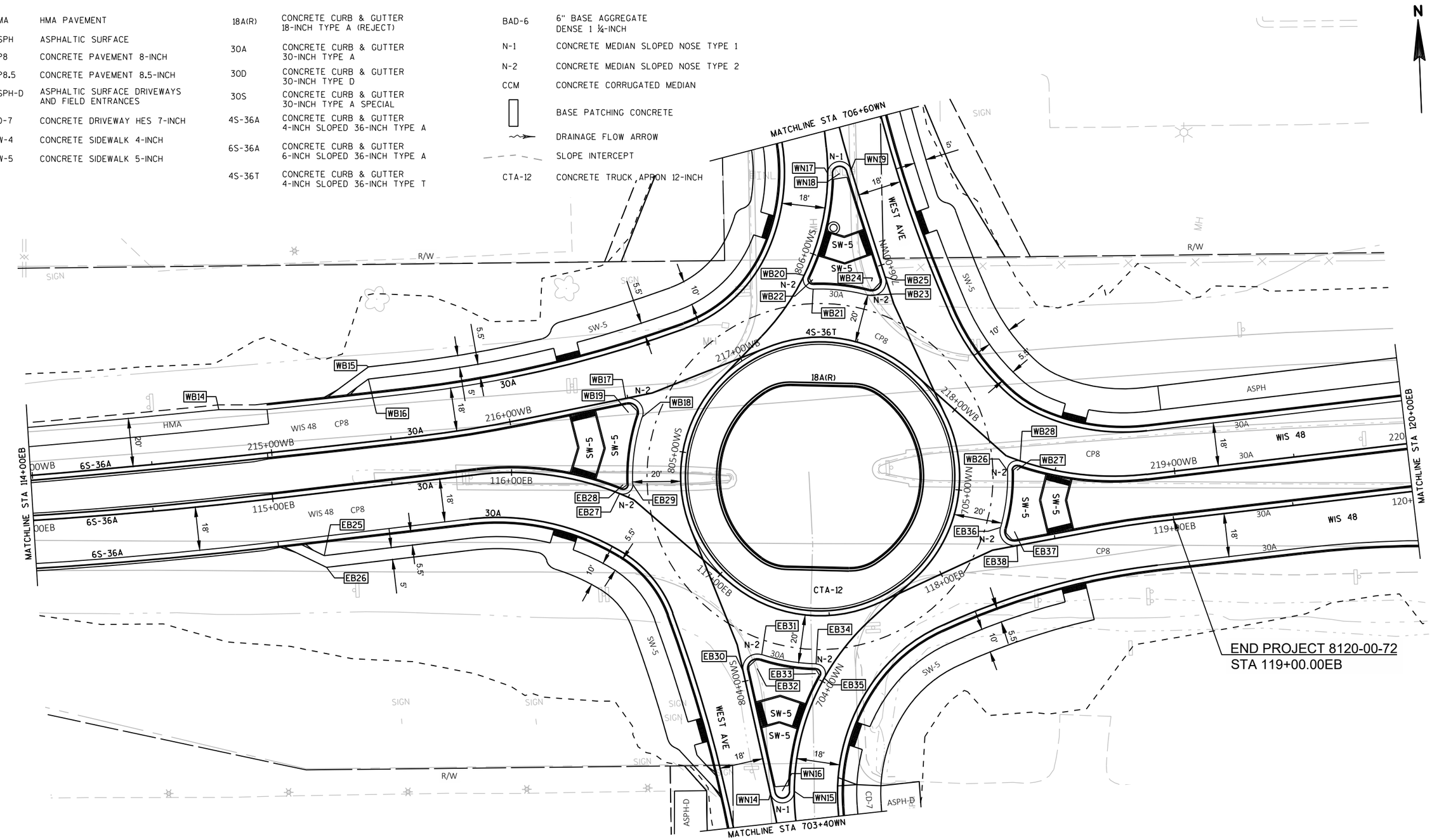
N



NOTES
ALL POINTS AND RADII ARE TO EDGE OF PAVEMENT OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED.

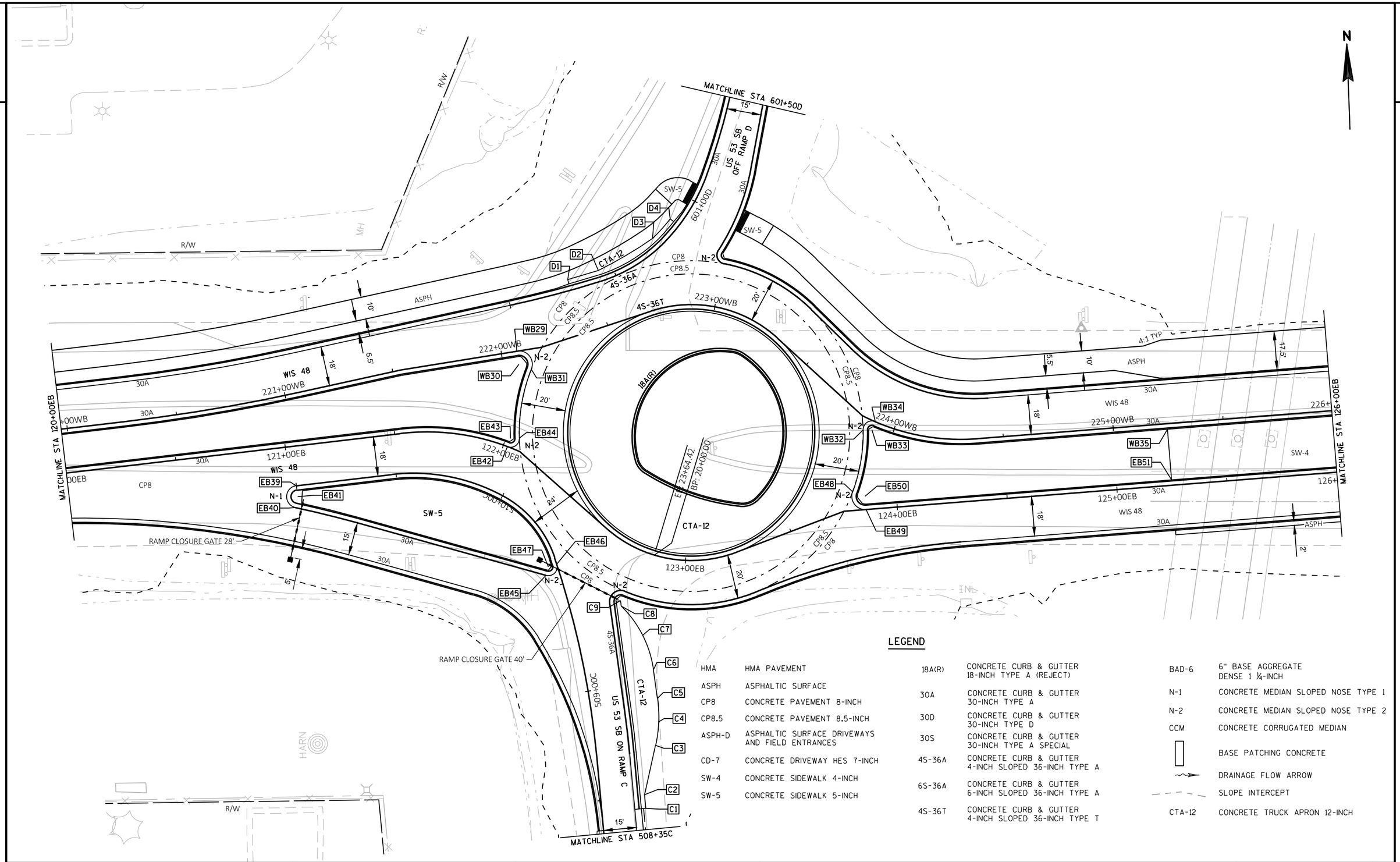
LEGEND

HMA	HMA PAVEMENT	18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)	BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
ASPH	ASPHALTIC SURFACE	30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP8	CONCRETE PAVEMENT 8-INCH	30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CP8.5	CONCRETE PAVEMENT 8.5-INCH	30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL	CCM	CONCRETE CORRUGATED MEDIAN
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A		BASE PATCHING CONCRETE
CD-7	CONCRETE DRIVEWAY HES 7-INCH	6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A		DRAINAGE FLOW ARROW
SW-4	CONCRETE SIDEWALK 4-INCH	4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T		SLOPE INTERCEPT
SW-5	CONCRETE SIDEWALK 5-INCH			CTA-12	CONCRETE TRUCK APRON 12-INCH



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN DETAILS - WIS 48	SHEET 77	E

2



LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT
CTA-12	CONCRETE TRUCK APRON 12-INCH

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS - WIS 48	SHEET 78	E

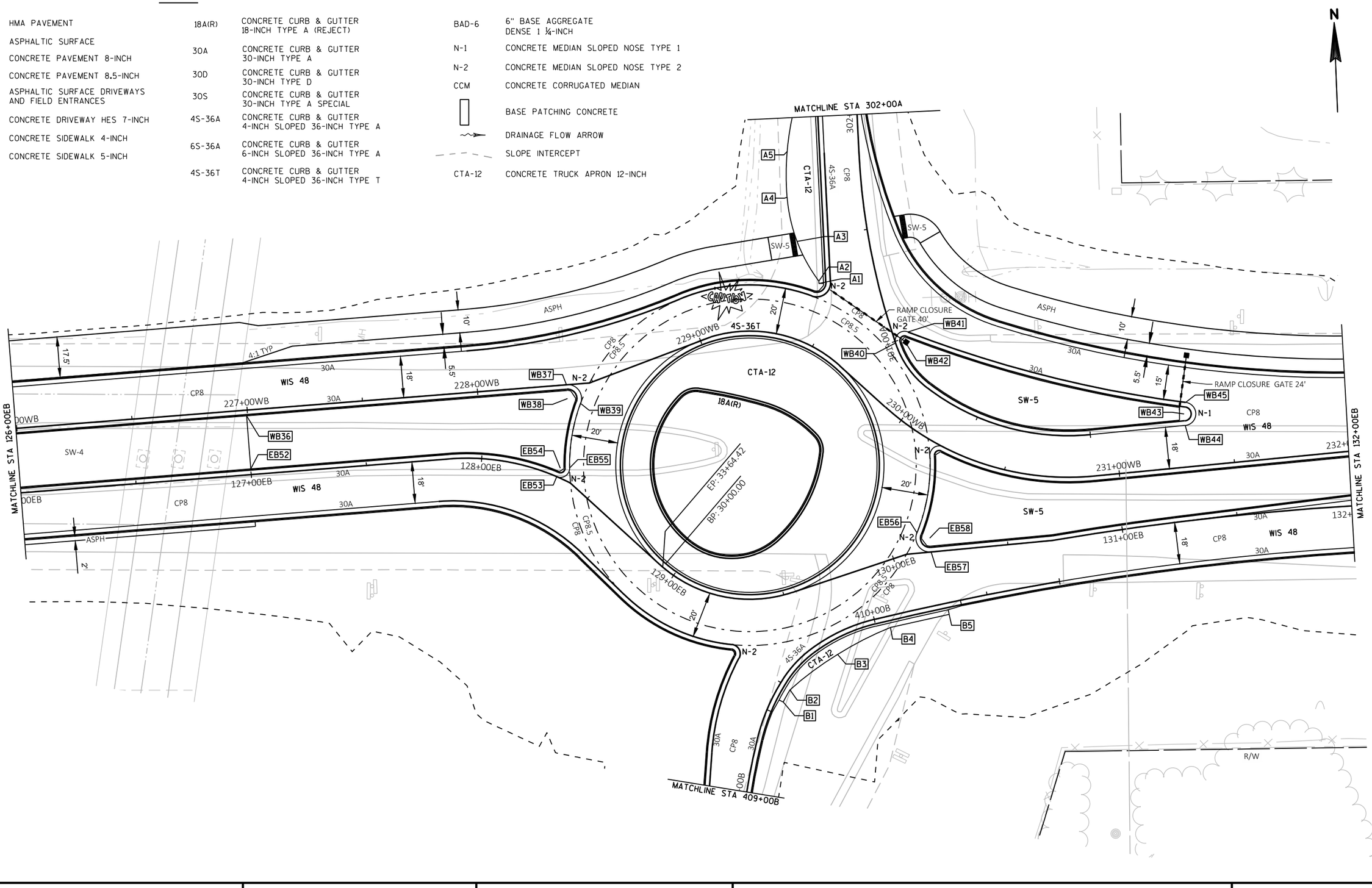
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021204_pd
PLOT DATE : 10/8/2019 10:58 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T

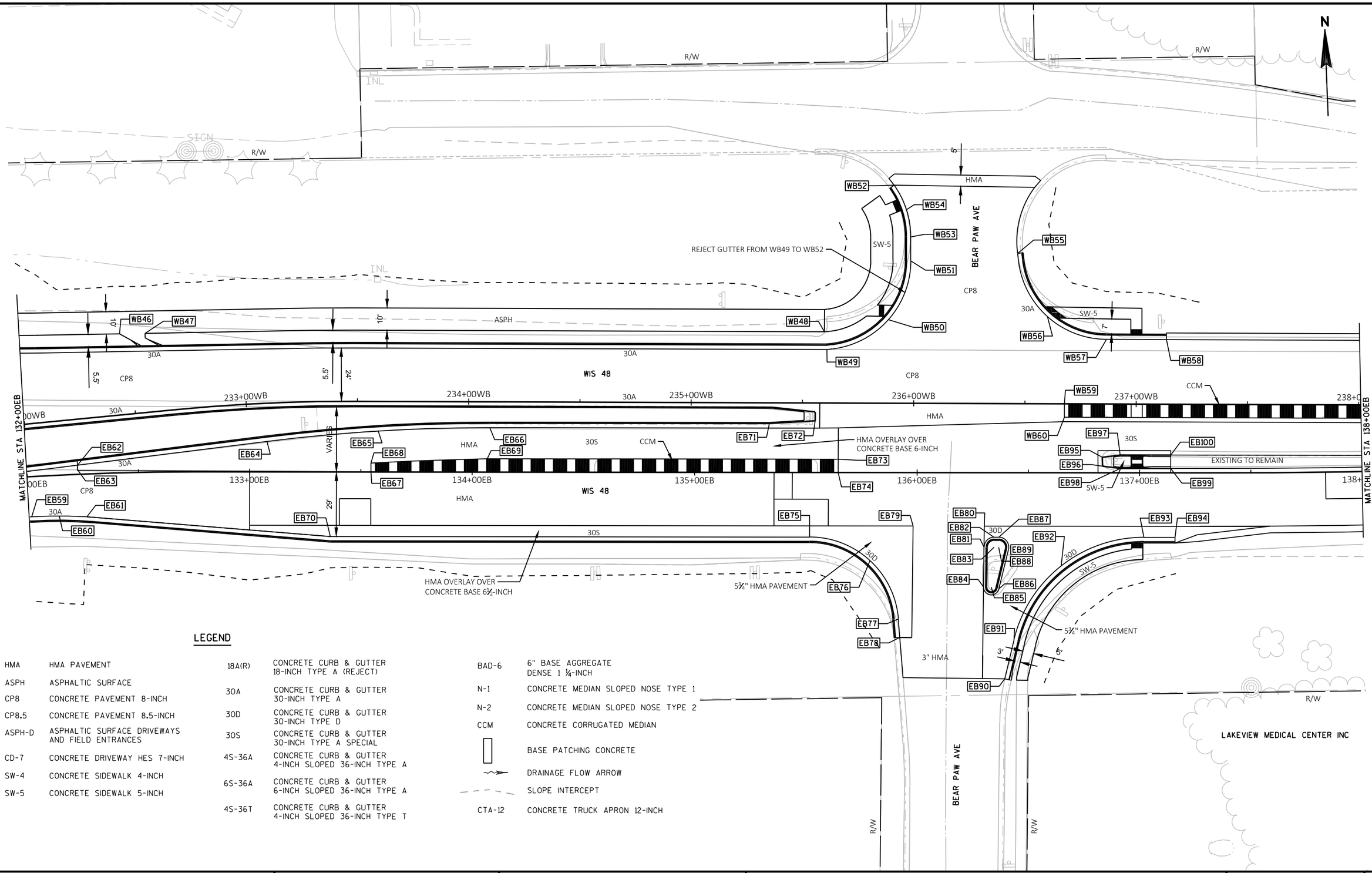
BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT
CTA-12	CONCRETE TRUCK APRON 12-INCH



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS - WIS 48	SHEET 79 E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021205_pd
PLOT DATE : 10/8/2019 10:58 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT
CTA-12	CONCRETE TRUCK APRON 12-INCH

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS - WIS 48	SHEET 80	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021206_pd
PLOT DATE : 10/8/2019 10:58 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

SIPPLE INSURANCE AGENCY INC

R/W

INL

SIGN

HMA OVERLAY OVER
CONCRETE BASE 6½-INCH

WB69 WB70 WB65 WB67 WB64 WB66 WB68 WB63 WB62 WB61

CCM

CP8

.29'

17'

24'

3'

28'

8'

HMA

EXISTING TO REMAIN

WIS 48

MATCHLINE STA 138+00EB

MATCHLINE STA 144+00EB

0WB 239+00WB 240+00WB 241+00WB

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

0OEB

BAD EB101 EB102

FAMILY HEALTH CENTER
OF MARSHFIELD INC

N

2

LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT
CTA-12	CONCRETE TRUCK APRON 12-INCH

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS - WIS 48	SHEET 81	E

2

2

N

INL

INL

INL

END PROJECT
STA= 144+80.36EB

WIS 48

HMA

MATCHLINE STA 144+00EB

R/W

SIGN

LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT
CTA-12	CONCRETE TRUCK APRON 12-INCH

2

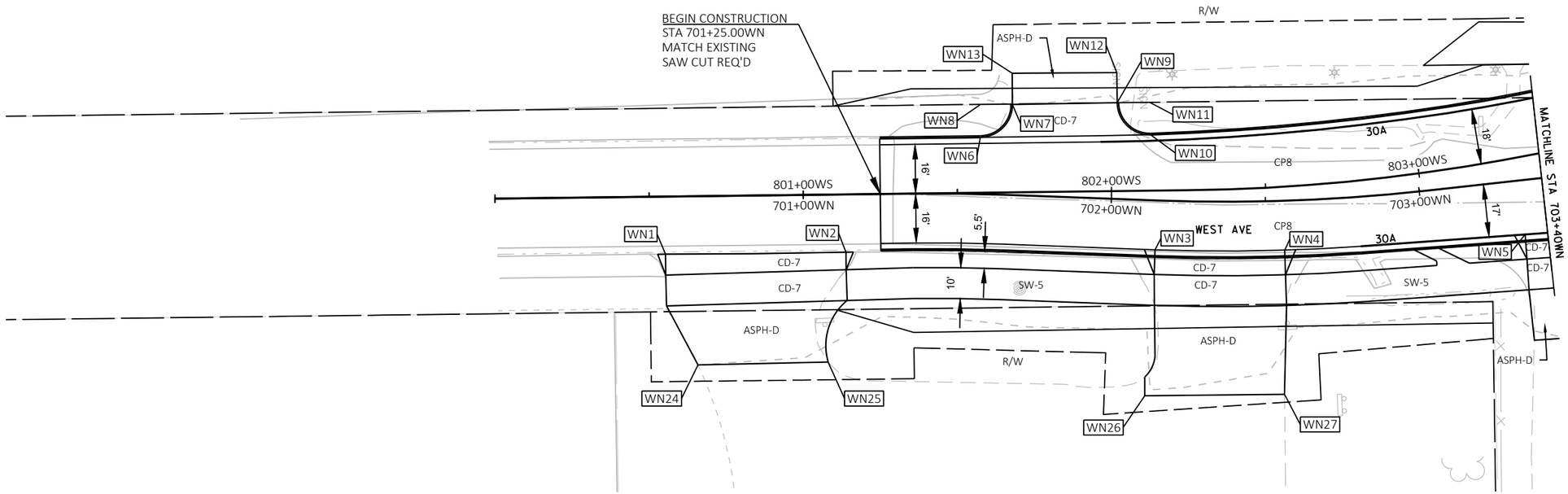
LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
XXXXX	SAWING CONCRETE
//////	SAWING ASPHALT

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CTA-12	CONCRETE TRUCK APRON 12-INCH

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT

N



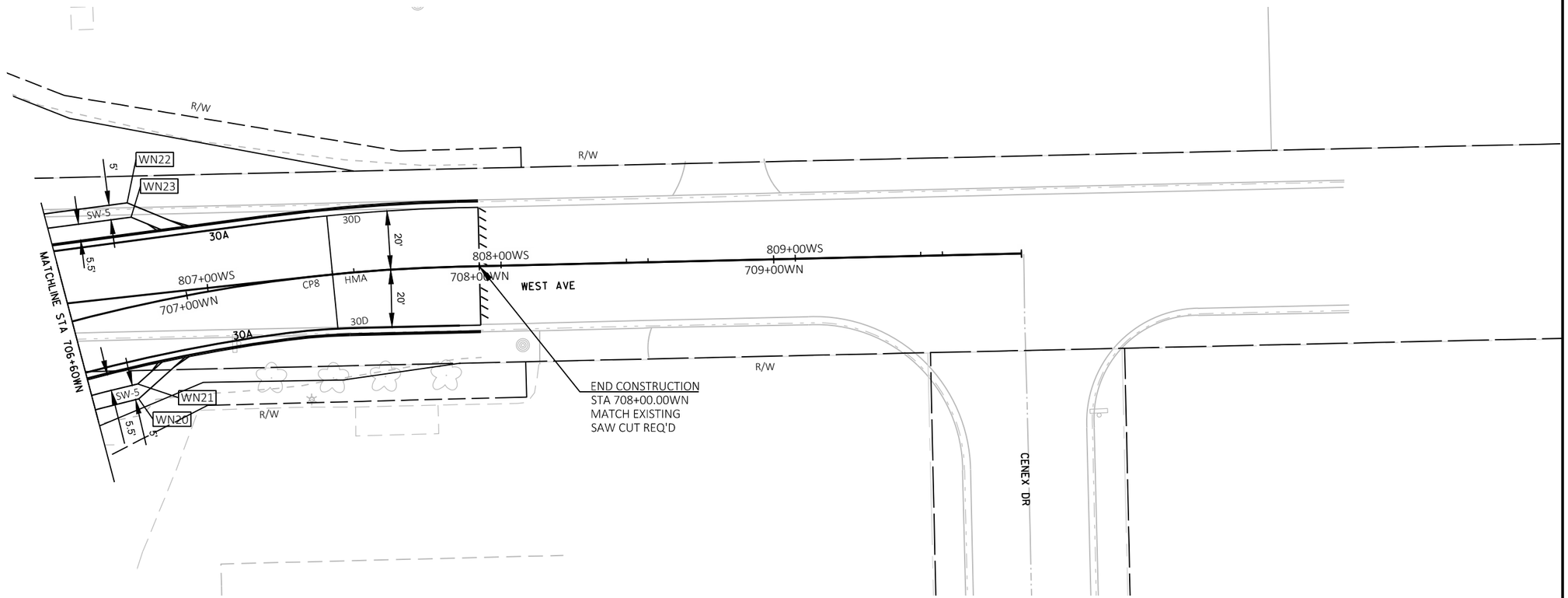
LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
XXXXX	SAWING CONCRETE
/////	SAWING ASPHALT

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CTA-12	CONCRETE TRUCK APRON 12-INCH

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT

N



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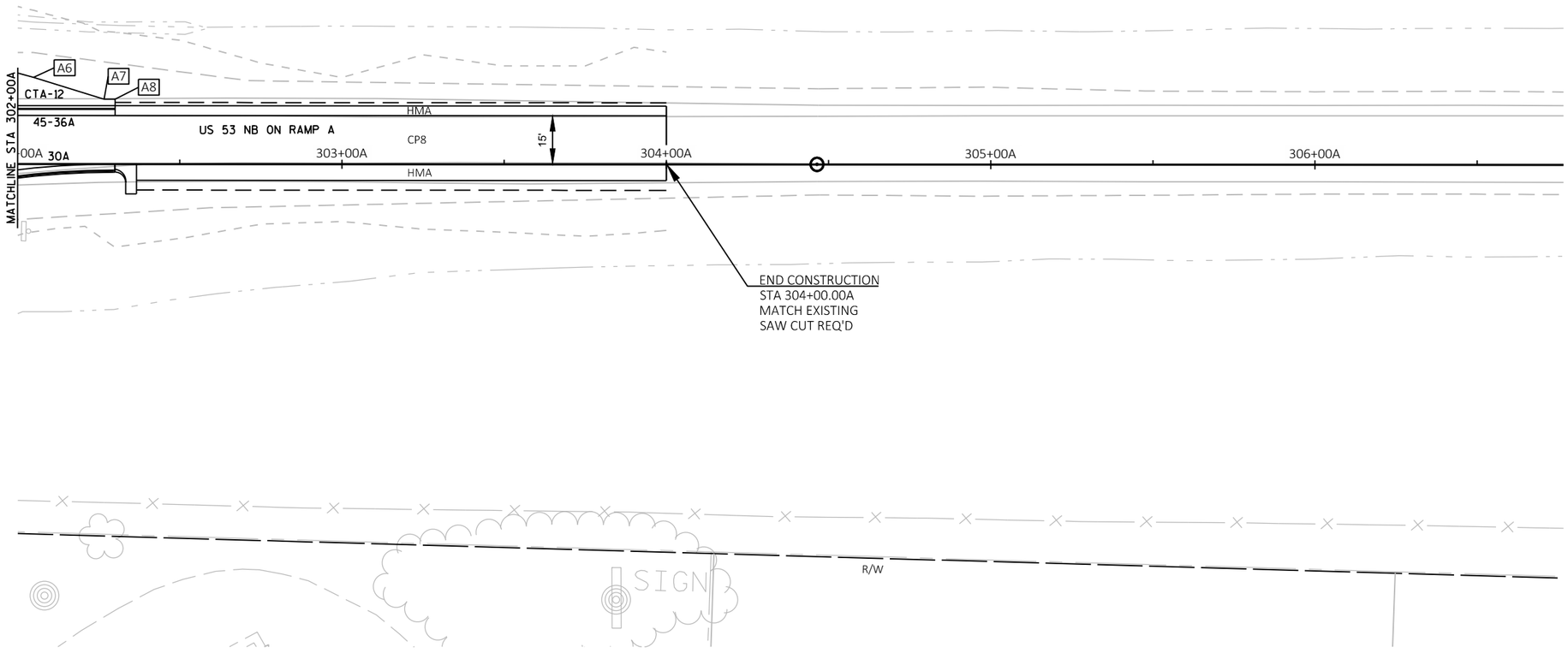
LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
XXXXX	SAWING CONCRETE
//////	SAWING ASPHALT

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CTA-12	CONCRETE TRUCK APRON 12-INCH

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT

N



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS	SHEET 85	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021202_PD-SIDE RDS.DWG
LAYOUT NAME - 021209_pd-Side Rds
PLOT DATE : 7/24/2019 11:32 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

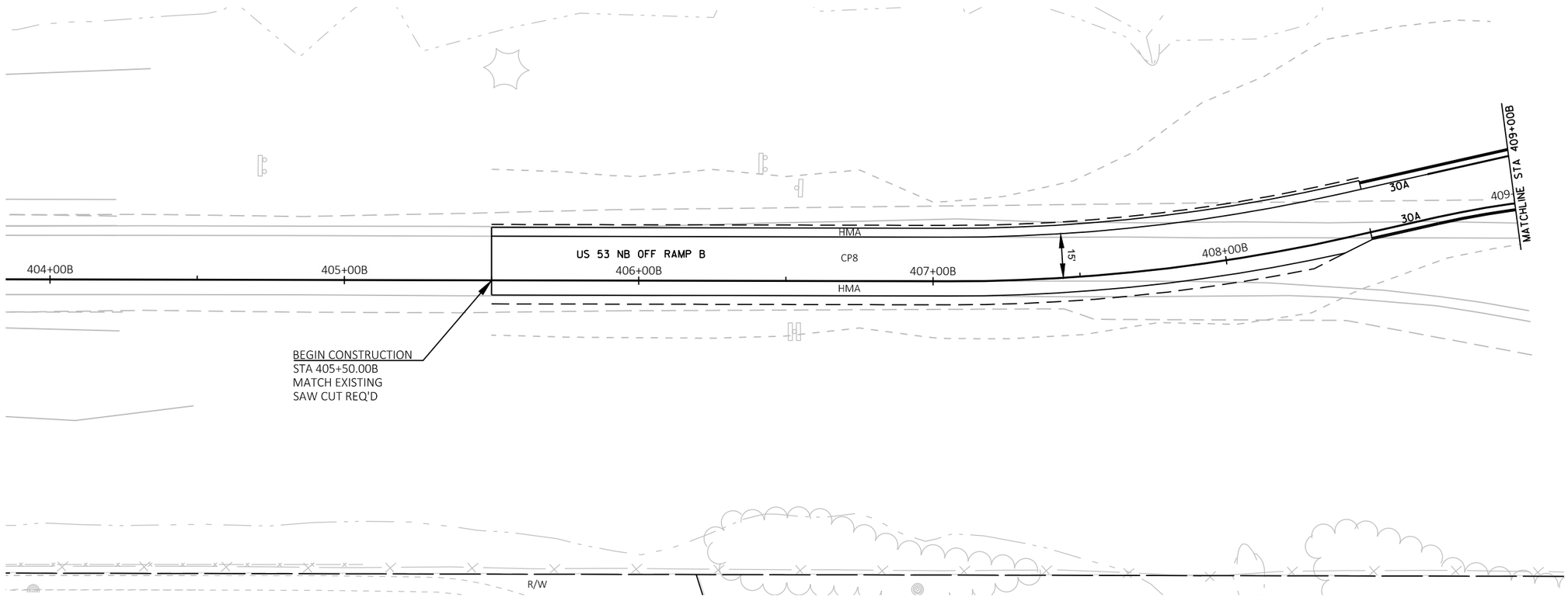
LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
XXXXX	SAWING CONCRETE
//////	SAWING ASPHALT

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CTA-12	CONCRETE TRUCK APRON 12-INCH

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT

N



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS	SHEET 86	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021202_PD-SIDE RDS.DWG
LAYOUT NAME - 021210_pd-Side Rds
PLOT DATE : 7/24/2019 11:33 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
XXXXX	SAWING CONCRETE
//////	SAWING ASPHALT

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CTA-12	CONCRETE TRUCK APRON 12-INCH

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT

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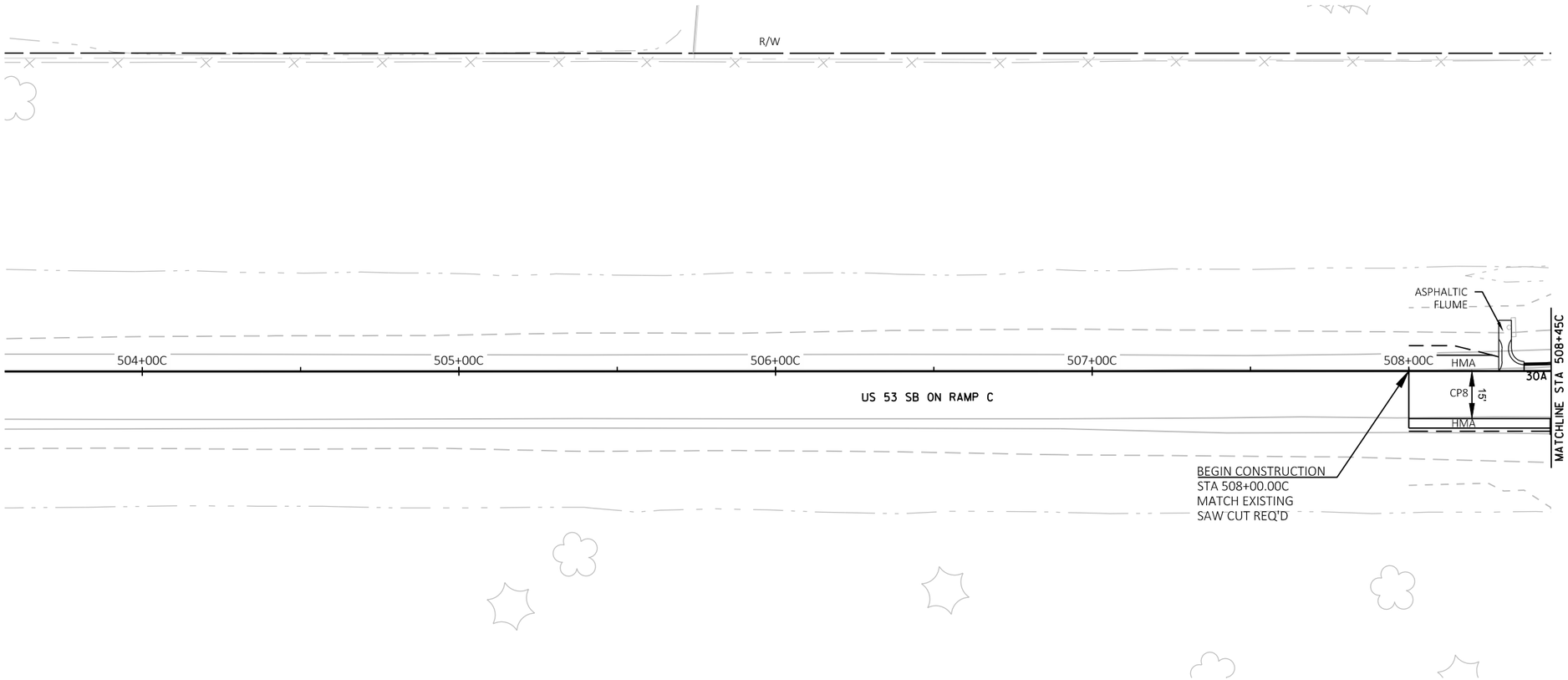


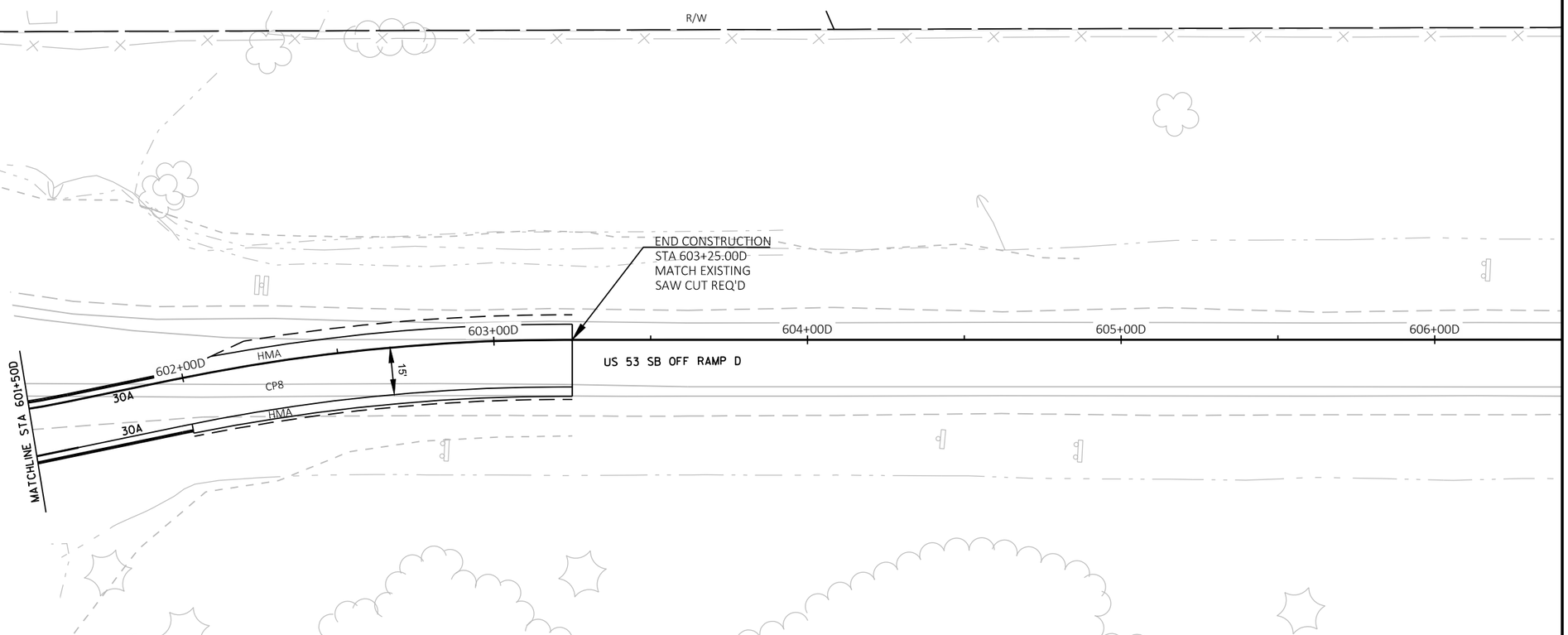
2

LEGEND

HMA	HMA PAVEMENT
ASPH	ASPHALTIC SURFACE
CP8	CONCRETE PAVEMENT 8-INCH
CP8.5	CONCRETE PAVEMENT 8.5-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CD-7	CONCRETE DRIVEWAY HES 7-INCH
SW-4	CONCRETE SIDEWALK 4-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
XXXXX	SAWING CONCRETE
//////	SAWING ASPHALT

18A(R)	CONCRETE CURB & GUTTER 18-INCH TYPE A (REJECT)
30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
30S	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
4S-36A	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
6S-36A	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
4S-36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CTA-12	CONCRETE TRUCK APRON 12-INCH

BAD-6	6" BASE AGGREGATE DENSE 1 ¼-INCH
N-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
N-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CCM	CONCRETE CORRUGATED MEDIAN
	BASE PATCHING CONCRETE OR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR
	DRAINAGE FLOW ARROW
	SLOPE INTERCEPT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN DETAILS	SHEET 88	E

EASTBOUND					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
EB1	107+41.14	14.87' RT	137138.60	326397.32	
EB2	107+71.12	44.89' RT	137107.66	326426.35	
EB3	107+41.12	44.87' RT	137108.61	326396.37	RADIUS = 30'
EB4	107+89.12	44.91' RT	137107.08	326444.34	
EB5	108+19.14	14.93' RT	137136.11	326475.28	
EB6	108+19.12	44.93' RT	137106.12	326474.33	RADIUS = 30'
EB7	110+09.99	15.00' RT	137129.47	326665.78	
EB8	110+61.43	20.00' RT	137121.88	326716.82	
EB9	110+59.99	50.00' RT	137091.99	326713.83	RADIUS = 30'
EB10	110+89.94	51.75' RT	137088.70	326743.65	
EB11	111+07.82	54.06' RT	137085.46	326761.38	
EB12	111+38.27	50.00' RT	137087.93	326792.00	RADIUS = 30'
EB13	111+38.27	20.00' RT	137117.89	326793.56	
EB14	111+94.91	20.00' RT	137114.95	326850.12	
EB15	111+94.91	50.00' RT	137084.99	326848.56	RADIUS = 30'
EB16	112+24.99	50.94' RT	137082.49	326878.55	
EB17	112+48.96	49.80' RT	137082.38	326902.55	
EB18	112+75.70	18.60' RT	137112.20	326931.02	
EB19	112+78.48	48.47' RT	137082.24	326932.55	RADIUS = 30'
EB20	112+82.02	12.00' RT	137118.52	326937.67	
EB21	112+87.64	13.99' LT	137144.27	326944.30	
EB22	112+88.05	8.00' LT	137138.27	326944.48	RADIUS = 6'
EB23	112+87.89	2.00' LT	137132.28	326944.10	
EB24	113+38.06	0.00'	137129.10	326994.17	
EB25	115+18.48	26.00' RT	137110.41	327176.47	
EB26	115+18.87	31.00' RT	137105.45	327177.26	
EB27	116+46.05	0.00'	137131.53	327300.22	
EB28	116+46.05	4.00' LT	137135.17	327301.86	RADIUS = 4'
EB29	116+49.54	5.68' LT	137135.15	327305.86	
EB30	117+24.39	29.22' RT	137055.61	327348.87	
EB31	117+27.82	20.00' RT	137062.32	327356.85	
EB32	117+27.82	26.00' RT	137056.69	327354.77	RADIUS = 6'
EB33	117+44.89	24.00' RT	137053.64	327378.99	RADIUS = 4'
EB34	117+44.89	20.00' RT	137057.63	327379.23	
EB35	117+47.33	25.95' RT	137051.56	327382.40	
EB36	118+28.53	8.66' LT	137111.48	327458.07	
EB37	118+33.91	6.00' LT	137109.64	327463.78	RADIUS = 6'
EB38	118+33.91	0.00'	137103.70	327464.66	
EB39	121+02.94	18.00' RT	137110.21	327733.93	
EB40	121+01.33	27.73' RT	137100.38	327733.10	
EB41	121+02.94	23.00' RT	137105.23	327734.33	RADIUS = 5'
EB42	122+01.95	0.00'	137124.33	327830.26	
EB43	122+01.95	4.00' LT	137128.02	327831.81	RADIUS = 4'
EB44	122+05.45	5.60' LT	137127.99	327835.81	
EB45	122+54.11	34.11' RT	137065.37	327845.56	
EB46	122+54.37	27.06' RT	137070.28	327850.63	
EB47	122+52.35	30.51' RT	137069.18	327846.78	RADIUS = 4'
EB48	123+80.34	8.50' LT	137098.01	327986.00	
EB49	123+85.79	0.00'	137089.74	327991.80	

EASTBOUND					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
EB50	123+85.79	6.00' LT	137095.73	327991.55	RADIUS = 6'
EB51	125+25.00	2.50' LT	137097.98	328130.78	
EB52	127+00.00	2.50' LT	137105.19	328305.64	
EB53	128+33.54	0.00'	137096.81	328437.79	
EB54	128+33.54	4.00' LT	137100.42	328439.51	RADIUS = 4'
EB55	128+36.99	5.70' LT	137100.33	328443.51	
EB56	130+11.31	8.76' LT	137066.62	328592.64	
EB57	130+16.64	0.00'	137058.17	328598.45	
EB58	130+16.64	6.00' LT	137064.16	328598.11	RADIUS = 6'
EB59	132+00.95	18.00' RT	137053.21	328782.64	
EB60	132+13.52	18.31' RT	137053.13	328795.02	
EB61	132+26.06	19.25' RT	137052.27	328807.38	
EB62	132+22.84	4.12' LT	137075.63	328804.10	
EB63	132+22.83	1.92' LT	137073.43	328804.10	
EB64	133+07.74	13.70' LT	137083.05	328889.51	
EB65	133+57.74	18.42' LT	137085.83	328939.65	
EB66	134+07.93	20.00' LT	137085.46	328989.87	
EB67	133+54.50	0.00'	137067.55	328935.71	
EB68	133+54.50	4.00' LT	137071.54	328935.86	
EB69	134+06.81	6.00' LT	137071.51	328988.21	
EB70	133+36.30	29.00' RT	137039.28	328916.40	
EB71	135+33.54	22.00' LT	137082.58	329115.47	
EB72	135+54.15	23.26' LT	137083.04	329136.10	
EB73	135+64.50	6.00' LT	137065.39	329145.78	
EB74	135+64.50	0.00' RT	137059.39	329145.55	
EB75	135+51.70	29.00' RT	137030.92	329131.63	
EB76	135+78.82	39.59' RT	137019.28	329158.32	
EB77	135+91.57	65.76' RT	136992.64	329170.04	
EB78	135+92.24	74.06' RT	136984.32	329170.40	
EB79	135+98.19	24.00' RT	137034.11	329178.28	
EB80	136+30.19	24.00' RT	137032.87	329210.25	
EB81	136+30.09	33.45' RT	137023.43	329209.79	
EB82	136+34.59	29.00' RT	137027.70	329214.46	
EB83	136+34.59	33.50' RT	137023.20	329214.28	RADIUS = 4'
EB84	136+29.90	51.37' RT	137005.53	329208.90	
EB85	136+33.40	51.41' RT	137005.35	329212.40	RADIUS = 3'
EB86	136+36.80	52.23' RT	137004.40	329215.77	
EB87	136+36.70	29.00' RT	137027.62	329216.57	
EB88	136+36.70	33.50' RT	137023.12	329216.40	RADIUS = 5'
EB89	136+41.08	34.56' RT	137021.89	329220.73	
EB90	136+39.50	92.57' RT	136963.99	329216.89	
EB91	136+43.58	75.24' RT	136981.14	329221.65	
EB92	136+64.73	41.96' RT	137013.58	329244.08	
EB93	137+01.98	29.00' RT	137025.08	329281.80	
EB94	137+15.93	29.00' RT	137024.54	329295.74	
EB95	136+83.27	7.00' LT	137061.78	329264.50	
EB96	136+83.29	3.00' LT	137057.78	329264.37	
EB97	136+91.27	8.00' LT	137062.47	329272.53	
EB98	136+91.30	2.00' LT	137056.47	329272.33	

EASTBOUND					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
EB99	137+13.97	1.97' LT	137055.56	329294.98	
EB100	137+13.97	8.00' LT	137061.59	329295.21	
EB101	139+89.24	26.91' RT	137024.51	329570.66	
EB102	142+58.73	25.16' RT	137031.70	329840.06	

WESTBOUND					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WB1	206+66.79	14.93' LT	137170.71	326323.95	
WB2	206+65.86	44.91' LT	137200.71	326323.95	RADIUS = 30'
WB3	206+95.86	44.95' LT	137199.81	326353.93	
WB4	207+11.87	44.96' LT	137199.32	326369.94	
WB5	207+41.88	14.93' LT	137168.37	326398.99	
WB6	207+41.87	44.93' LT	137198.35	326399.92	RADIUS = 30'
WB7	211+36.22	15.00' LT	137157.79	326792.80	
WB8	211+89.19	20.13' LT	137162.91	326845.58	
WB9	211+86.42	50.00' LT	137192.77	326842.68	RADIUS = 30'
WB10	212+18.29	58.25' LT	137201.26	326874.14	
WB11	212+42.29	54.65' LT	137197.99	326897.91	
WB12	212+72.24	20.00' LT	137163.90	326928.29	
WB13	212+72.24	50.00' LT	137193.89	326927.63	RADIUS = 30'
WB14	214+79.92	20.00' LT	137172.71	327134.93	
WB15	215+44.12	31.00' LT	137188.13	327197.88	
WB16	215+43.43	26.00' LT	137183.09	327197.59	
WB17	216+49.13	0.00'	137171.02	327304.28	
WB18	216+54.32	9.00' RT	137162.99	327310.87	
WB19	216+49.13	6.00' RT	137165.10	327305.25	RADIUS = 6'
WB20	217+29.81	25.95' LT	137219.37	327380.40	
WB21	217+32.25	20.00' LT	137213.49	327383.93	
WB22	217+32.25	24.00' LT	137217.49	327383.93	RADIUS = 4'
WB23	217+49.32	20.00' LT	137210.12	327406.54	
WB24	217+49.32	26.00' LT	137215.87	327408.29	RADIUS = 6'
WB25	217+52.67	29.38' LT	137217.48	327414.07	
WB26	218+31.33	5.46' RT	137135.06	327461.86	
WB27	218+34.91	4.00' RT	137135.03	327465.86	RADIUS = 4'
WB28	218+34.91	0.00'	137138.77	327467.29	
WB29	222+07.10	0.00'	137167.41	327836.23	
WB30	222+07.10	6.00' RT	137161.46	327836.96	RADIUS = 6'
WB31	222+12.26	9.07' RT	137159.03	327842.45	
WB32	223+87.38	5.70' RT	137125.81	327991.79	
WB33	223+90.83	4.00' RT	137125.72	327995.79	RADIUS = 4'
WB34	223+90.83	0.00'	137129.33	327997.51	
WB35	225+24.54	2.50' RT	137120.96	328129.84	

WESTBOUND					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WB36	226+99.54	2.50' RT	137128.17	328304.69	
WB37	228+38.58	0.00'	137136.40	328443.50	
WB38	228+38.58	6.00' RT	137130.41	328443.75	RADIUS = 6'
WB39	228+44.03	8.50' RT	137128.13	328449.30	
WB40	229+75.78	23.55' LT	137149.10	328586.51	
WB41	229+76.54	30.65' LT	137153.65	328592.01	
WB42	229+77.97	26.91' LT	137149.98	328590.43	RADIUS = 4'
WB43	231+30.35	23.00' LT	137113.72	328710.10	RADIUS = 5'
WB44	231+30.35	18.00' LT	137108.73	328710.40	
WB45	231+31.46	27.87' LT	137118.65	328710.93	
WB46	232+46.41	36.31' LT	137133.84	328825.18	
WB47	232+57.84	35.41' LT	137133.61	328836.64	
WB48	235+59.81	32.00' LT	137122.84	329141.79	
WB49	235+60.92	24.00' LT	137114.80	329142.56	
WB50	235+88.43	37.54' LT	137127.19	329170.61	
WB51	235+98.44	64.00' LT	137153.22	329181.70	
WB52	235+90.88	97.97' LT	137187.47	329175.55	
WB53	235+98.44	74.70' LT	137163.91	329182.14	
WB54	235+96.50	86.94' LT	137176.21	329180.71	
WB55	236+46.50	67.51' LT	137154.74	329229.87	
WB56	236+60.04	39.10' LT	137125.79	329242.23	
WB57	236+86.56	29.00' LT	137114.61	329268.30	
WB58	237+13.52	29.06' LT	137113.56	329295.24	
WB59	236+67.76	0.00'	137086.41	329248.32	
WB60	236+67.76	6.00' RT	137080.42	329248.07	
WB61	238+15.50	6.00' RT	137074.32	329395.69	
WB62	238+72.76	4.28' RT	137073.68	329452.97	
WB63	238+72.76	0.00'	137077.96	329453.14	
WB64	239+57.70	29.36' LT	137103.95	329539.05	
WB65	240+14.57	24.94' LT	137097.74	329595.57	
WB66	240+39.65	22.99' LT	137095.13	329620.51	
WB67	240+39.65	24.99' LT	137097.13	329620.56	
WB68	238+55.00	0.00'	137078.69	329435.40	
WB69	238+55.00	29.00' LT	137107.67	329436.60	
WB70	239+91.46	29.79' LT	137103.27	329572.68	

RAMP A					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
A1	301+31.76	24.94' LT	137176.05	328554.32	
A2	301+32.68	24.76' LT	137177.07	328554.31	
A3	301+49.75	30.75' LT	137194.58	328545.55	
A4	301+67.40	32.47' LT	137213.84	328541.99	
A5	301+85.45	30.96' LT	137233.69	328542.78	

RAMP A					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
A6	302+04.86	26.70' LT	137253.14	328546.84	
A7	302+26.61	20.00' LT	137274.97	328553.33	
A8	302+30.00	20.00' LT	137278.35	328553.29	

RAMP B					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
B1	409+42.93	5.00' RT	136995.68	328532.08	
B2	409+49.34	5.00' RT	137000.84	328535.21	
B3	409+78.39	8.20' RT	137015.40	328556.33	
B4	410+06.00	5.00' RT	137026.15	328579.62	
B5	410+32.20	5.00' RT	137030.90	328605.27	

RAMP C					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
C1	508+44.65	20.00' RT	136958.12	327886.84	
C2	508+50.86	20.00' RT	136964.32	327886.50	
C3	508+72.52	27.04' RT	136986.51	327892.32	
C4	508+82.21	29.59' RT	136997.05	327894.09	
C5	508+92.11	30.52' RT	137007.73	327893.98	
C6	509+04.19	30.86' RT	137020.68	327892.67	
C7	509+19.39	29.13' RT	137036.53	327888.36	
C8	509+33.61	22.75' RT	137050.13	327879.15	
C9	509+35.96	23.05' RT	137052.63	327878.90	

RAMP D					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
D1	600+28.38	5.00' LT	137199.02	327860.49	
D2	600+43.02	5.00' LT	137202.60	327874.48	
D3	600+74.06	4.99' LT	137216.18	327899.63	
D4	600+86.80	5.00' LT	137224.76	327907.95	

WEST AVE NORTH					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WN14	703+51.42	9.88' LT	137004.44	327358.29	
WN15	703+52.43	0.00' LT	137005.10	327368.21	
WN16	703+52.43	5.00' LT	137005.33	327363.21	RADIUS = 5'
WN17	706+42.87	9.79' LT	137261.39	327391.78	
WN18	706+41.46	5.00' LT	137261.19	327396.77	RADIUS = 5'
WN19	706+41.46	0.00'	137262.43	327401.62	

WEST AVE NORTH					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
WN1	700+55.09	18.66' RT	136707.66	327382.03	
WN2	701+13.64	18.72' RT	136766.18	327383.67	
WN3	702+14.78	16.00' RT	136866.41	327386.80	
WN4	702+55.75	16.00' RT	136908.44	327388.55	
WN5	703+32.61	17.62' RT	136986.57	327386.52	
WN6	701+57.03	18.41' LT	136811.20	327348.14	
WN7	701+66.77	29.36' LT	136821.98	327337.93	
WN8	701+56.67	28.90' LT	136811.49	327337.65	RADIUS = 10.5'
WN9	702+00.72	31.19' LT	136855.97	327338.68	
WN10	702+11.93	21.23' LT	136866.40	327349.46	
WN11	702+11.20	31.72' LT	136866.47	327338.95	RADIUS = 10.5'
WN12	702+00.24	40.93' LT	136856.24	327328.93	
WN13	701+66.33	39.48' LT	136822.32	327327.80	
WN20	706+76.11	31.00' RT	137302.09	327424.49	
WN21	706+76.94	26.00' RT	137301.92	327419.43	
WN22	706+86.71	34.82' LT	137300.73	327357.83	
WN23	706+86.97	29.78' LT	137301.86	327362.75	
WN24	700+65.22	54.70' RT	136716.81	327418.33	
WN25	701+07.42	54.26' RT	136759.01	327419.03	
WN26	702+13.20	63.43' RT	136861.25	327433.97	
WN27	702+54.38	62.70' RT	136906.56	327435.24	

2

2

N

R/W

GRAVEL

GRAVEL

102+00EB
202+00WB

103+00EB
203+00WB

104+00EB
204+00WB

105+00EB
205+00WB

106+00EB
206+00WB

WIS 48

107+00EB
207+00WB

208+
108+

MATCHLINE STA 108+00EB

GRAVEL

GRAVEL

R/W

NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

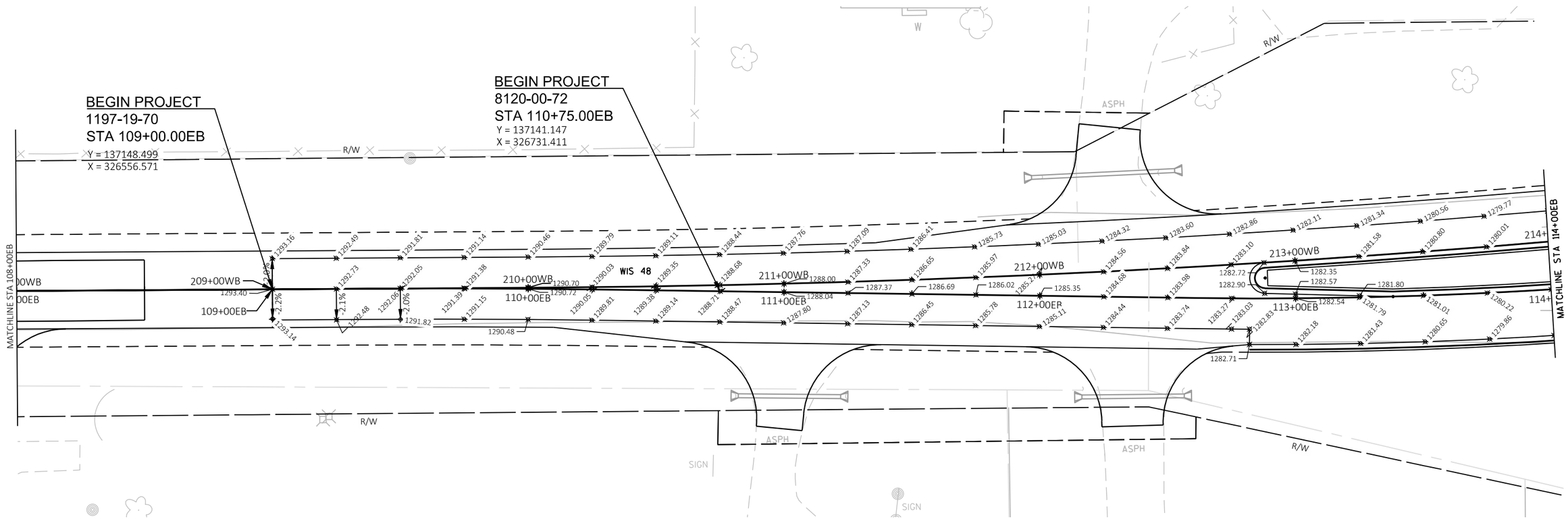
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 91	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021203_PD-PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021214_pd - Paving Grade Details

PLOT DATE : 7/25/2019 10:09 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



NOTES:
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POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 92	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021203_PD-PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021215_pd - Paving Grade Details
PLOT DATE : 7/25/2019 10:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA 706+60WN

WEST AVE

SMOOTH 708

704+40WN

12+00

13+00

11+00

216+00WB

215+00WB

116+00EB

115+00EB

114+00EB

MATCHLINE STA 114+00EB

220

219+00WB

120+00EB

MATCHLINE STA 120+00EB

119+00EB

WIS 48

R/W

SIGN

MH

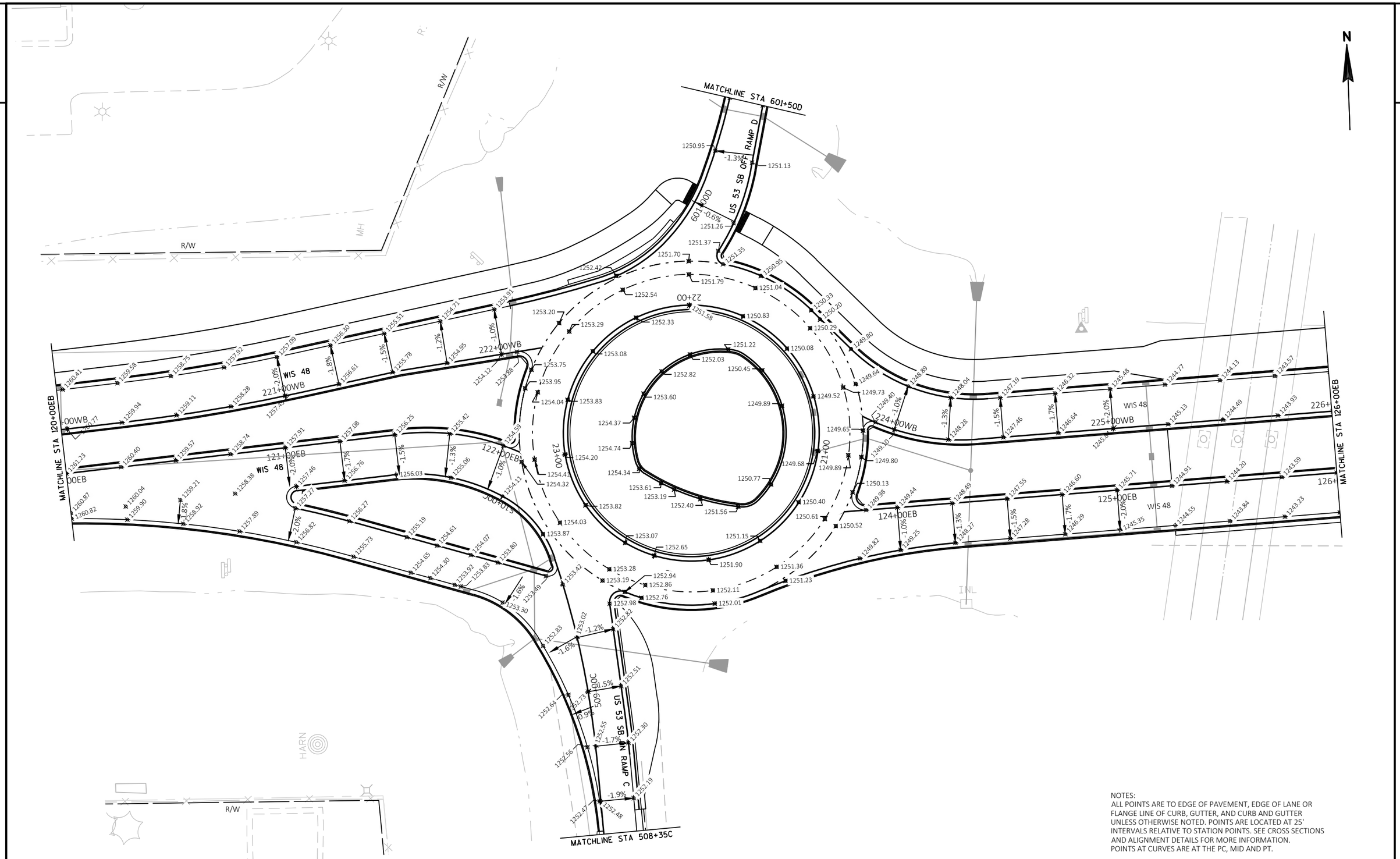
END PROJECT
8120-00-72
STA 119+00.00EB

MATCHLINE STA 703+40WN

NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 93	E

2



NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION. POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 94	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021203_PD-PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021217_pd - Paving Grade Details
PLOT DATE : 7/25/2019 10:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

MATCHLINE STA 302+00A

MATCHLINE STA 126+00EB

MATCHLINE STA 132+00EB

MATCHLINE STA 409+00B

WIS 48

227+00WB

228+00WB

127+00EB

128+00EB

231+00WB

232+00EB

131+00EB

132+00EB

US 53 NB ON RAMP A

US 53 NB OFF RAMP B

R/W

NOTES:
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POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 95	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021203_PD-PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021218_pd - Paving Grade Details
PLOT DATE : 7/25/2019 10:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

R/W

INL

SIGN

BEAR PAW AVE

WIS 48

MATCHLINE STA 132+00EB

MATCHLINE STA 138+00EB

233+00WB

234+00WB

235+00WB

236+00WB

237+00WB

133+00EB

134+00EB

135+00EB

136+00EB

137+00EB

30A

LAKEVIEW MEDICAL CENTER INC

NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 96	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021203_PD-PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021219_pd - Paving Grade Details

PLOT DATE : 7/25/2019 10:10 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

SIPPLE INSURANCE AGENCY INC

R/W

INL

SIGN

N

1216.75 1216.85 1215.86 1215.96 1214.93 1214.74 1214.84 1217.09 1216.20 1215.03 1215.08 1216.44 1215.27 1215.51 1215.32 1217.33

0WB 239+00WB 240+00WB 241+00WB

WIS 48

MATCHLINE STA 138+00EB

MATCHLINE STA 144+00EB

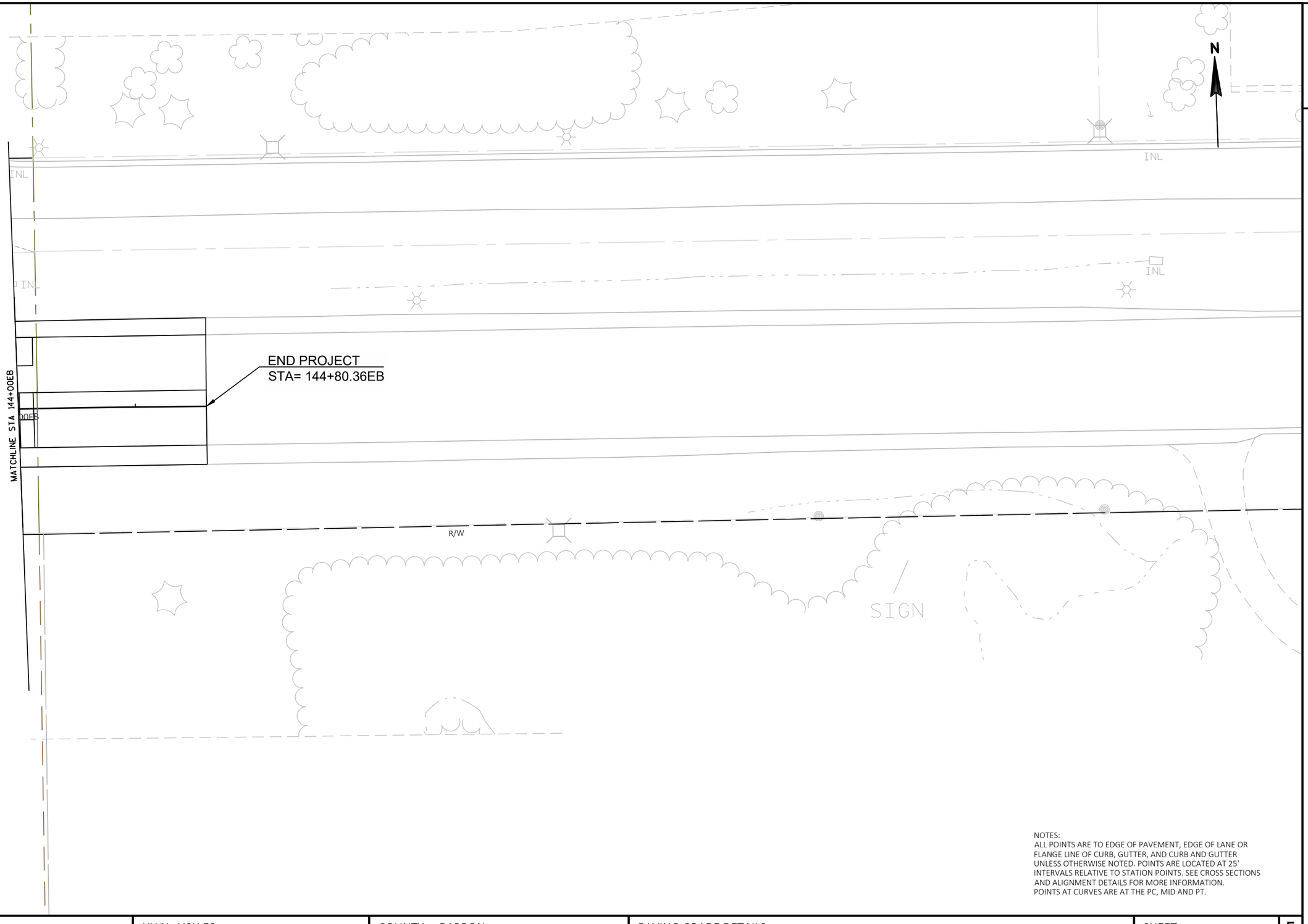
0OEB 139+00EB 140+00EB 141+00EB 142+00EB 143+00EB 144+

FAMILY HEALTH CENTER
OF MARSHFIELD INC

NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 97	E

2



NOTES:
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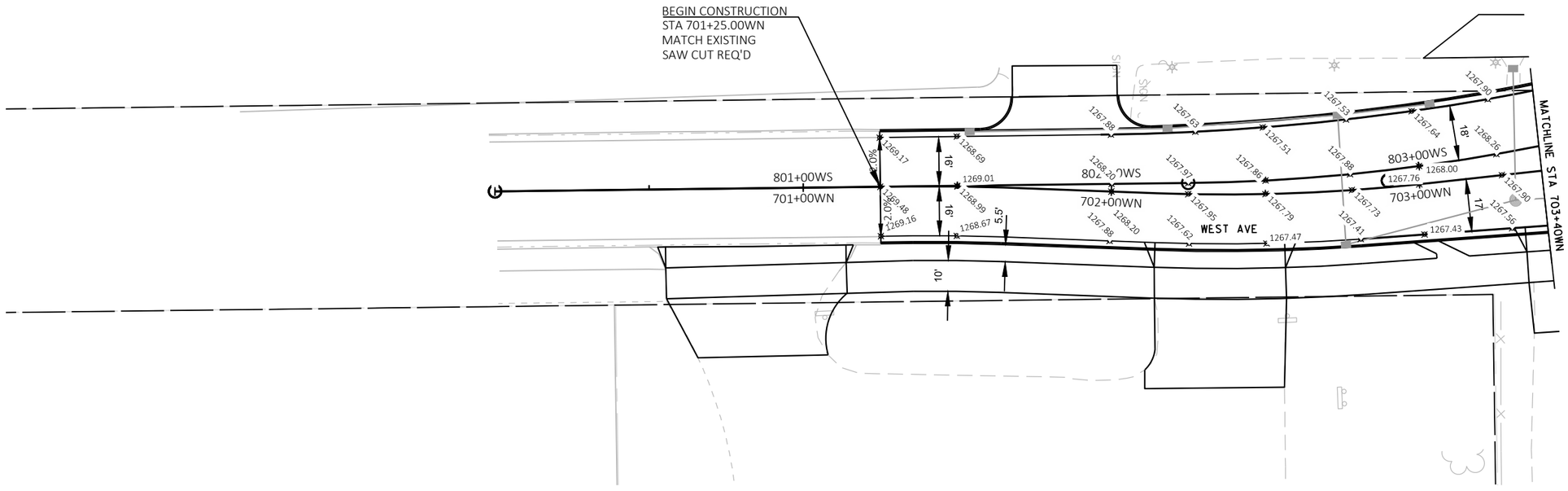
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 98	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021203_PD-PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021221_pd - Paving Grade Details
PLOT DATE : 7/25/2019 10:11 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



NOTES:
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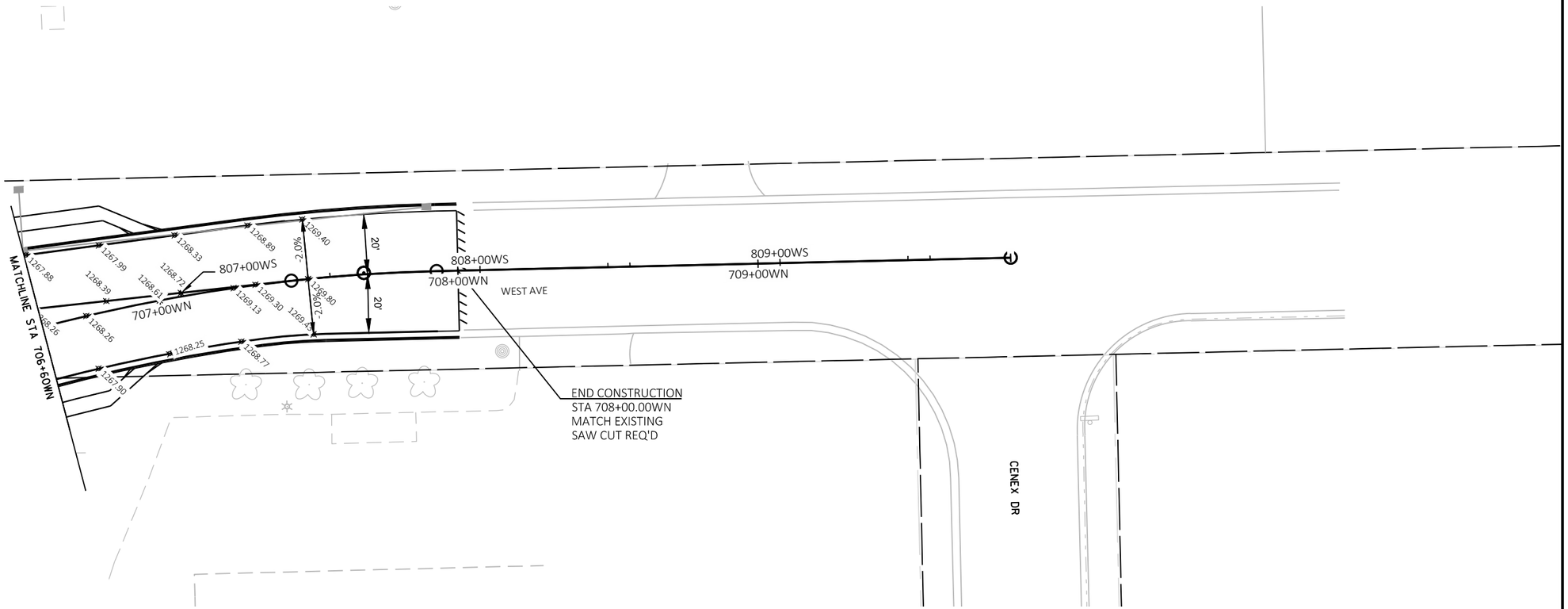
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 99	E

2

N



NOTES:
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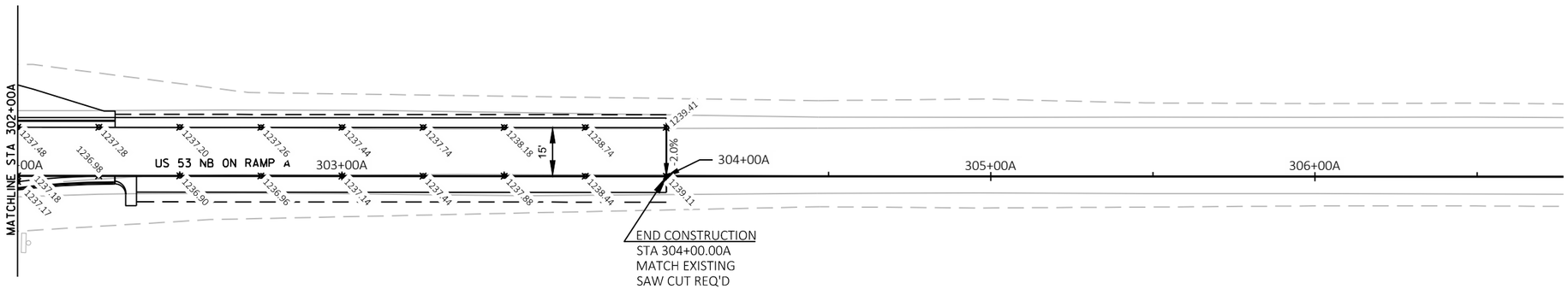
POINTS AT CURVES ARE AT THE PC, MID AND PT.

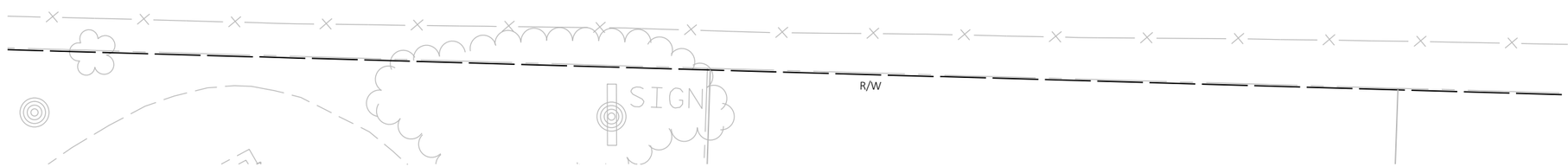
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 100	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021204_PD-SIDE RDS - PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021223_pd - Side Rds- Paving Grade Details
PLOT DATE : 7/25/2019 10:12 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N





NOTES:
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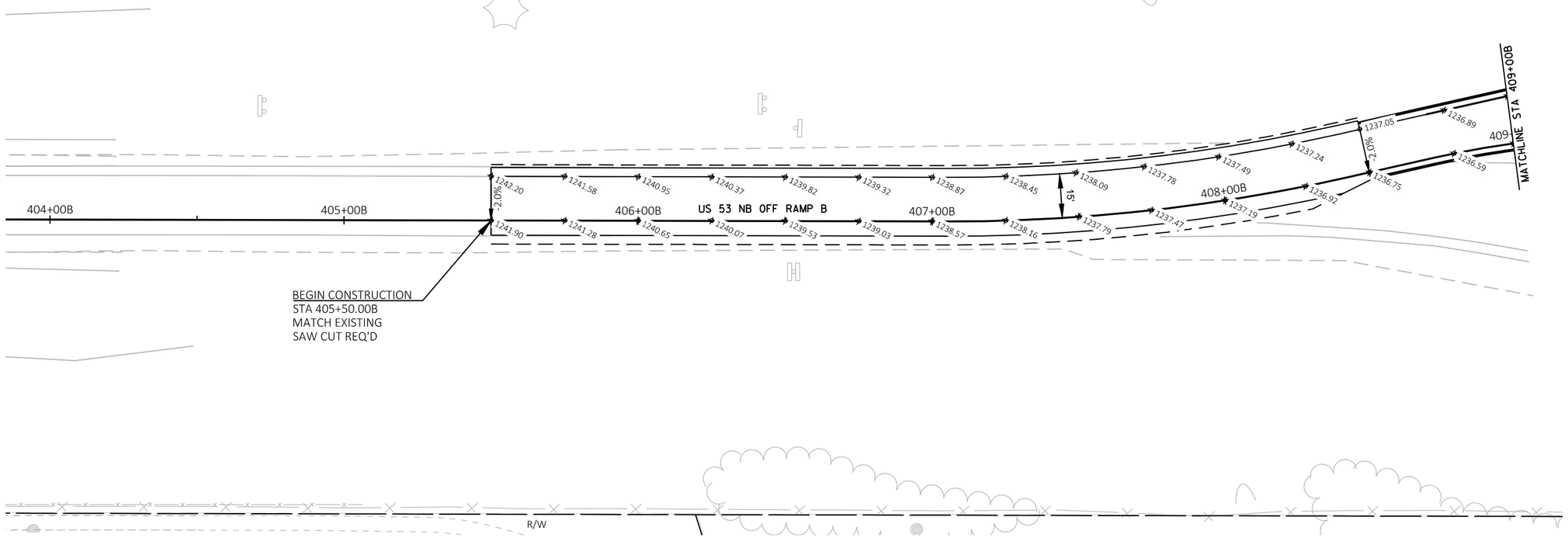
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 101	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021204_PD-SIDE RDS - PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021224_pd - Side Rds- Paving Grade Details
PLOT DATE : 7/25/2019 10:12 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

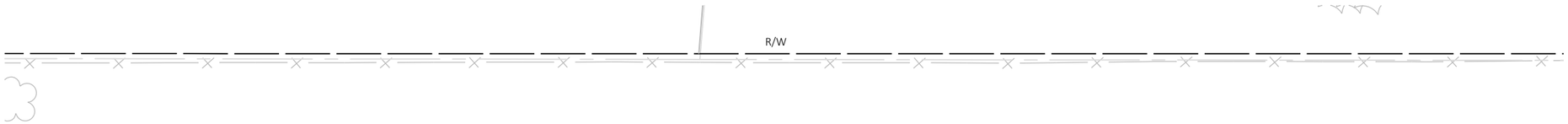


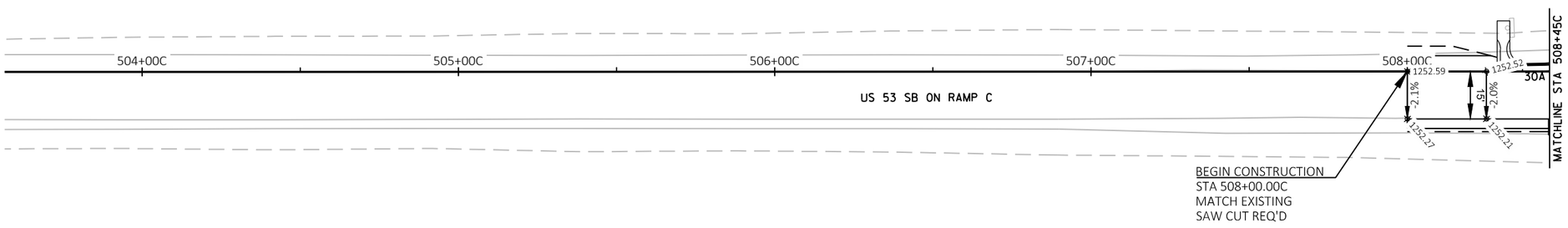
NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 102	E

2

N

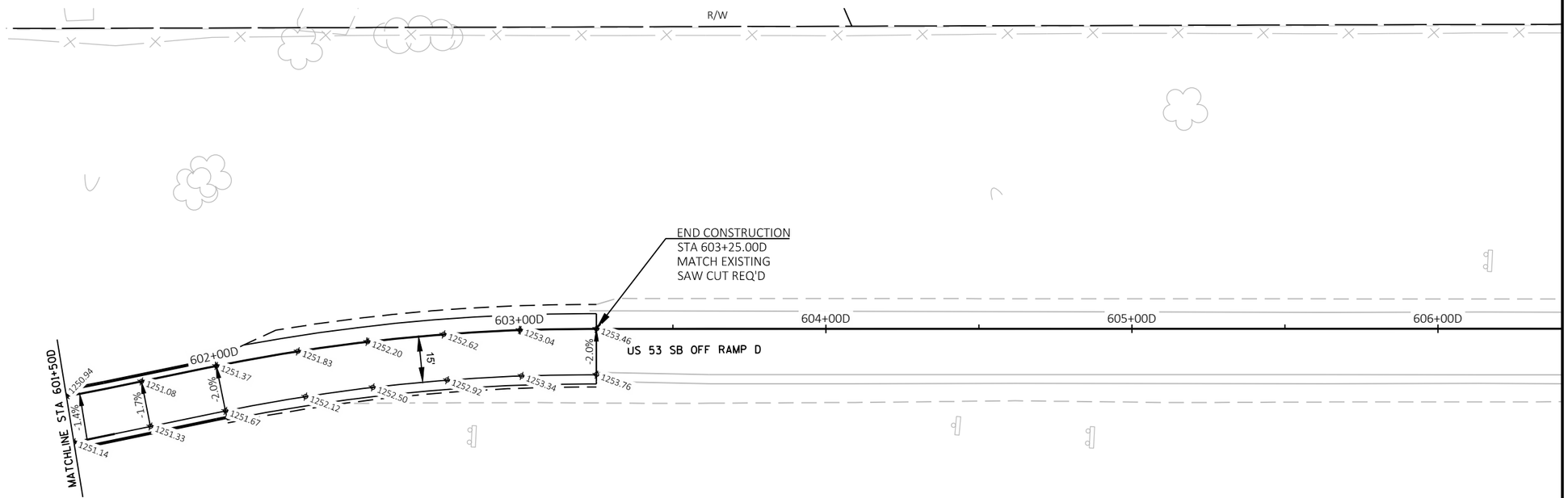




NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 103	E

2



NOTES:
ALL POINTS ARE TO EDGE OF PAVEMENT, EDGE OF LANE OR FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER UNLESS OTHERWISE NOTED. POINTS ARE LOCATED AT 25' INTERVALS RELATIVE TO STATION POINTS. SEE CROSS SECTIONS AND ALIGNMENT DETAILS FOR MORE INFORMATION.
POINTS AT CURVES ARE AT THE PC, MID AND PT.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVING GRADE DETAILS	SHEET 104	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\021204_PD-SIDE RDS - PAVING GRADE DETAILS.DWG
LAYOUT NAME - 021227_pd - Side Rds- Paving Grade Details
PLOT DATE : 7/25/2019 10:13 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

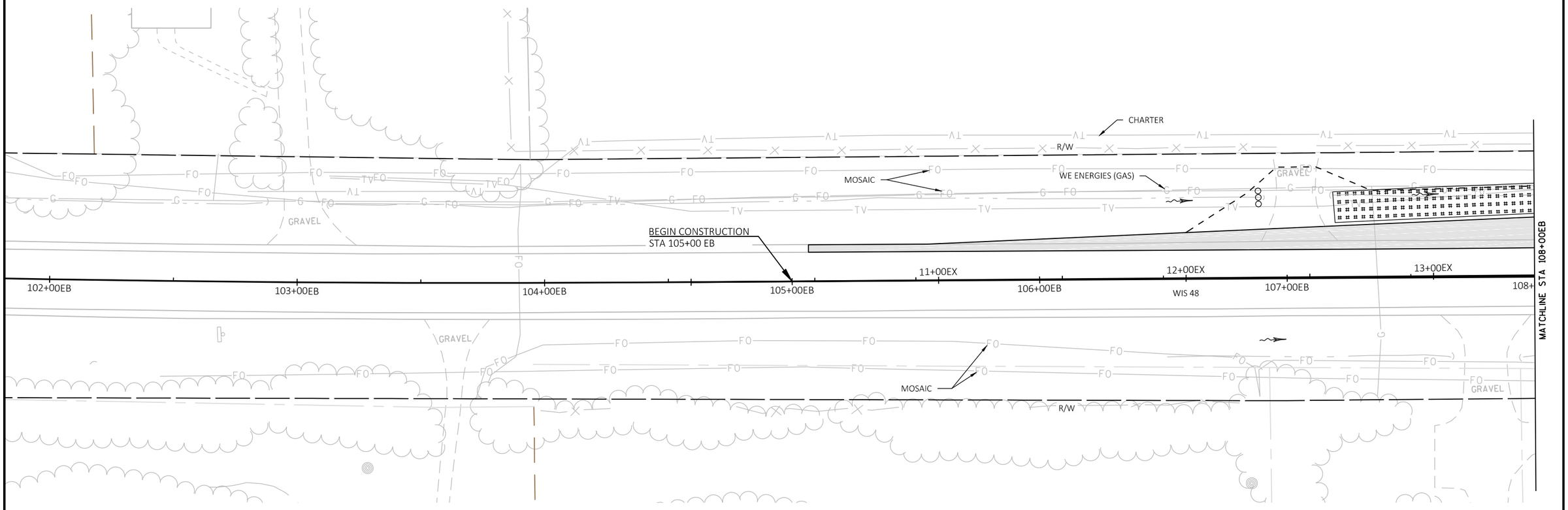
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

2

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 1	SHEET 105	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 1.DWG
LAYOUT NAME - 022001_ec -s1

PLOT DATE : 10/8/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

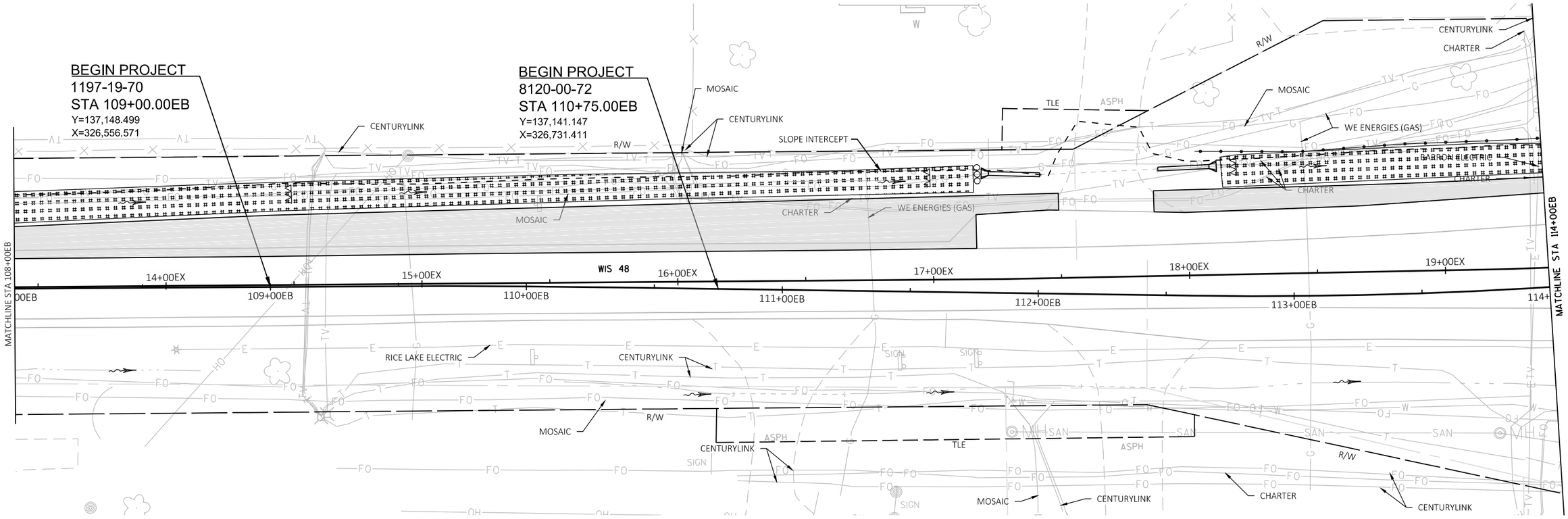
2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.



2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 1	SHEET 106	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 1.DWG
LAYOUT NAME - 022002_ec-s1

PLOT DATE : 10/8/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

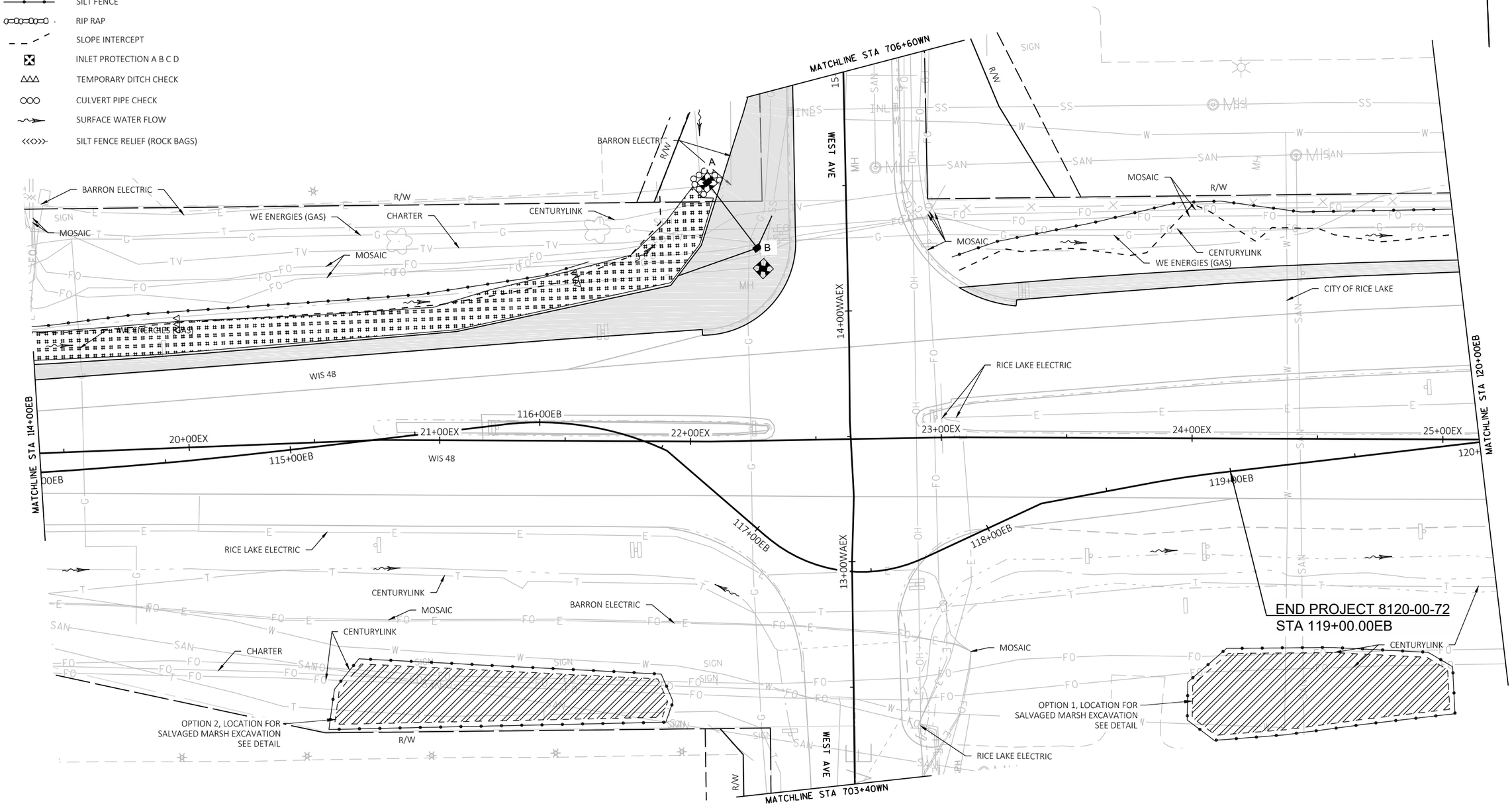
2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 1	SHEET 107	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 1.DWG
LAYOUT NAME - 022003_ec-s1
PLOT DATE : 10/8/2019 11:18 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.

MOSAIC
CCI SYSTEMS
R/W
CENTURYLINK
MOSAIC
MATCHLINE STA 601+50D
US 53 SB OFF RAMP D
12+00TD
11+00TD
CITY OF RICE LAKE
WE ENERGIES (GAS)
STH 48
MATCHLINE STA 120+00EB
RICE LAKE ELECTRIC
121+00EB
122+00EB
26+00EX
27+00EX
28+00EX
29+00EX
30+00EX
RICE LAKE ELECTRIC
125+00EB
124+00EB
123+00EB
MATCHLINE STA 126+00EB
CCI SYSTEMS
CENTURYLINK
MOSAIC
CENTURYLINK
US 53 SB
US 53 SB ON RAMP C
CCI SYSTEMS
CCI SYSTEMS
R/W
R/W
MATCHLINE STA 508+35C

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 1	SHEET 108	E

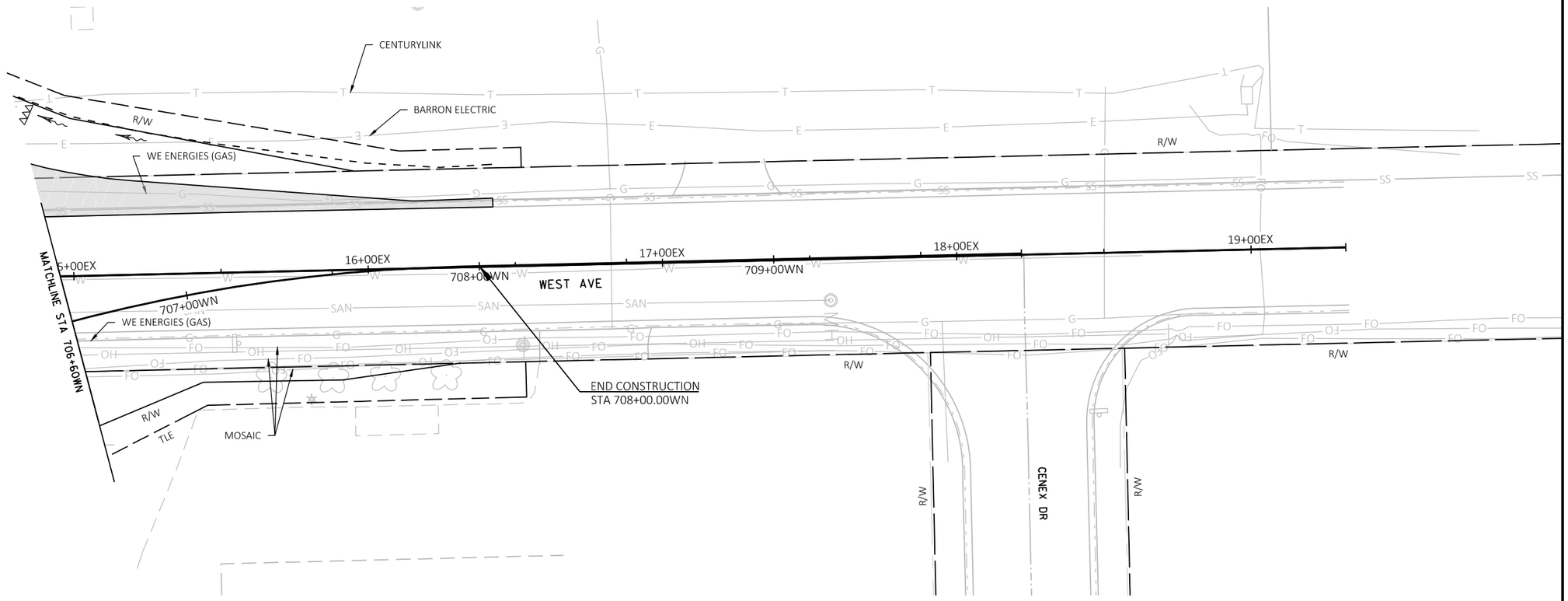
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 1.DWG
LAYOUT NAME - 022004_ec-s1
PLOT DATE : 10/8/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.



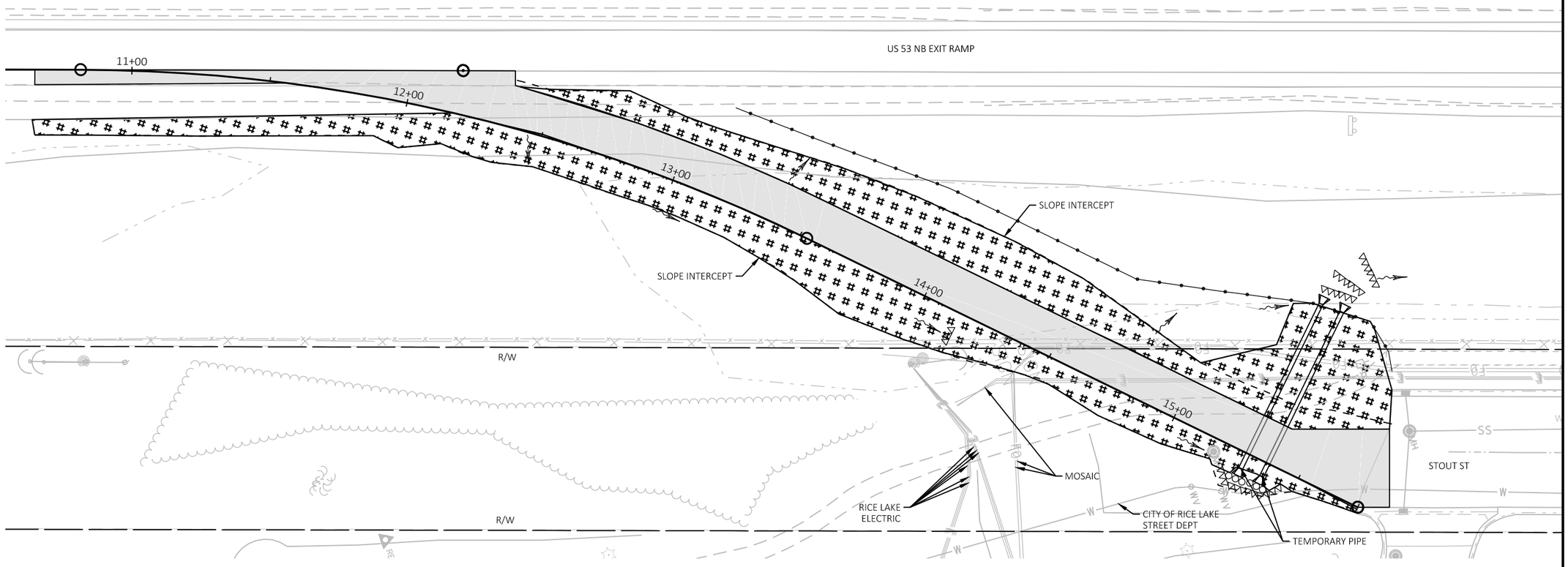
2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 1	SHEET 110	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 1.DWG
LAYOUT NAME - 022012_ec-Side Rds-s1

PLOT DATE : 10/8/2019 11:20 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

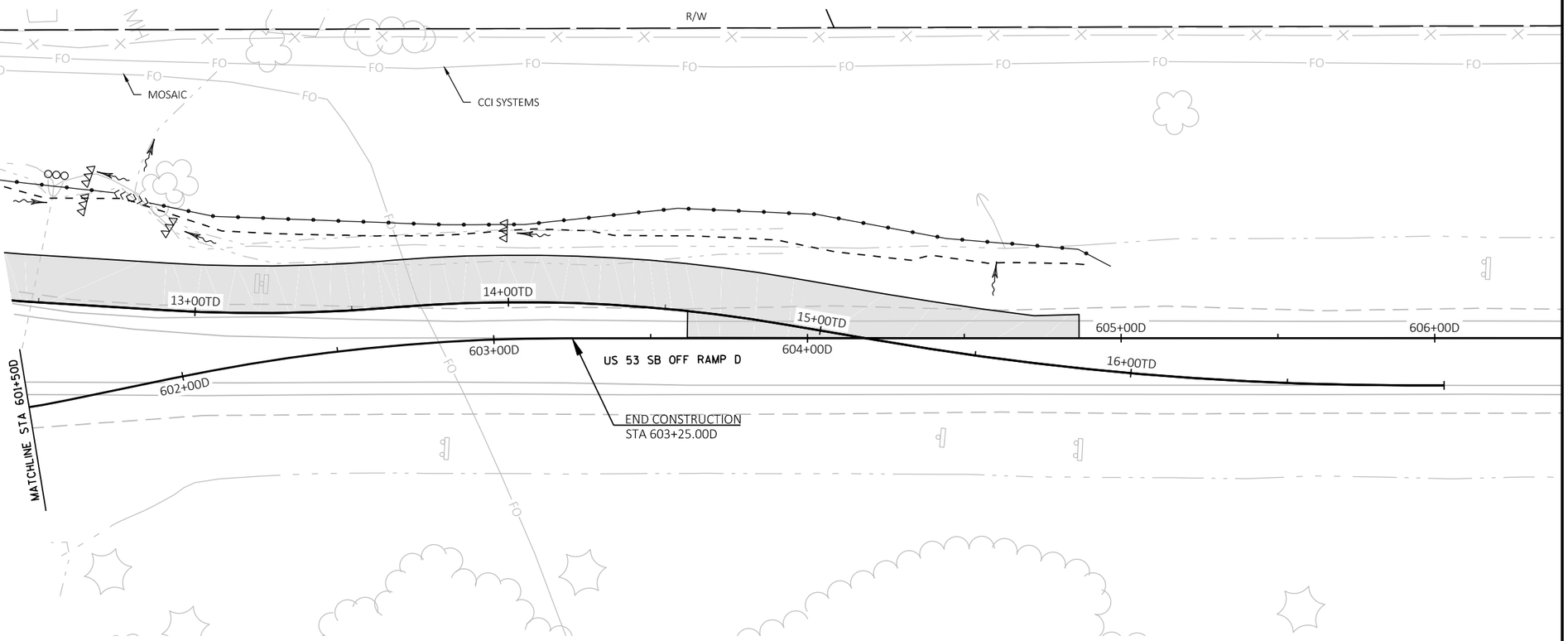
2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
PERMANENT SEED & FERTILIZE
ALL E-MAT AREAS. TEMPORARY
SEED ALL OTHER DISTURBED AREAS.



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 1	SHEET 111	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 1.DWG
LAYOUT NAME - 022014_ec-Side Rds-s1

PLOT DATE : 10/8/2019 11:20 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

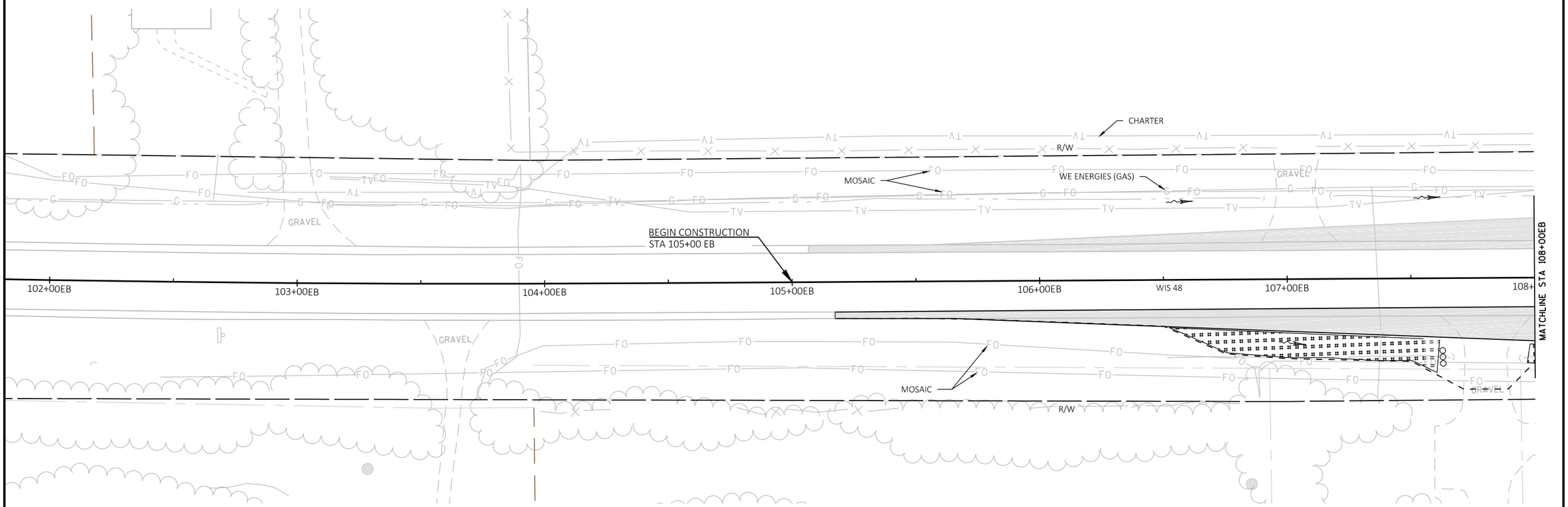
2

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 112	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 2.DWG
LAYOUT NAME - 022001_ec-s2

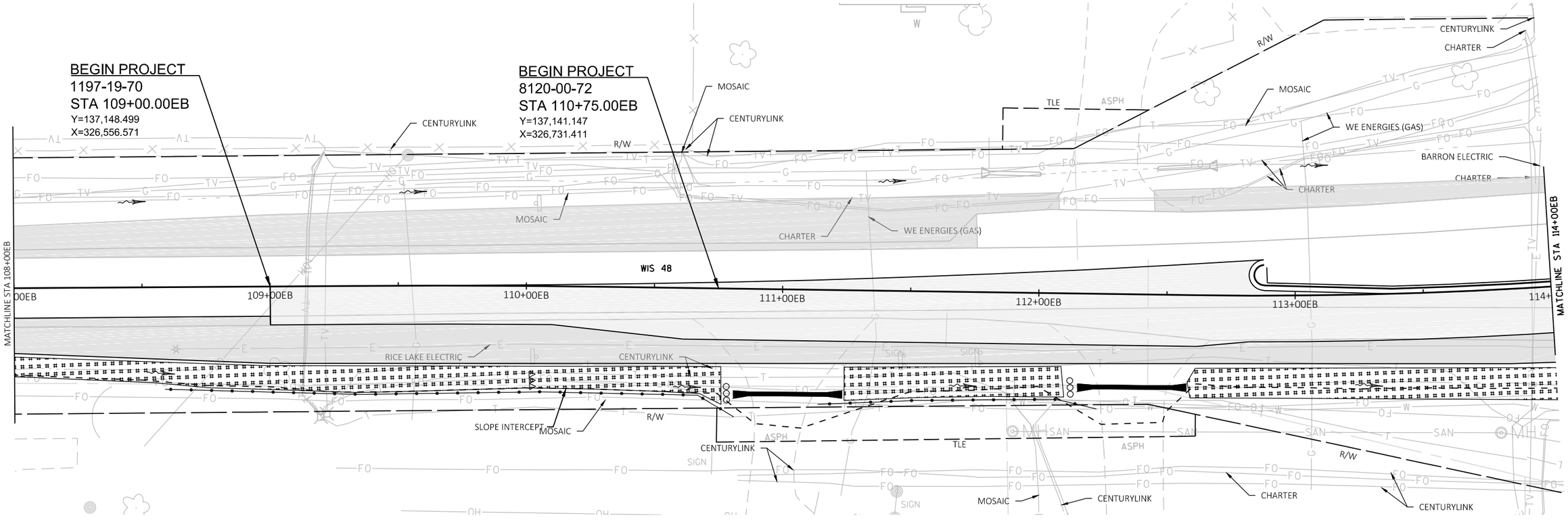
PLOT DATE : 10/8/2019 11:22 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 113	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 2.DWG
LAYOUT NAME - 022002_ec-s2

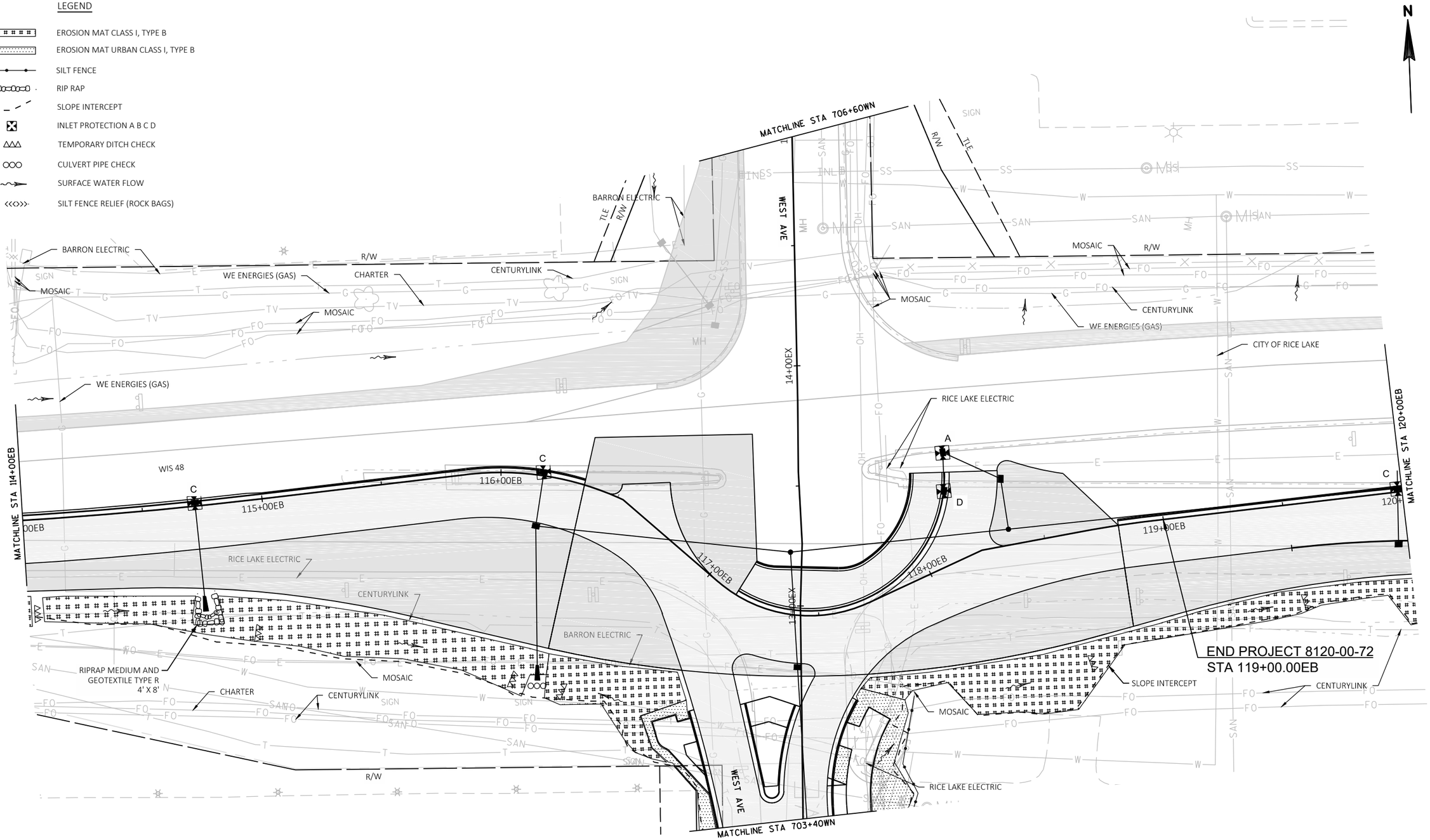
PLOT DATE : 10/8/2019 11:22 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 114	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 2.DWG
LAYOUT NAME - 022003_ec-s2

PLOT DATE : 10/8/2019 11:22 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

MOSAIC

CCI SYSTEMS

MATCHLINE STA 601+50D

US 53 SB OFF RAMP D

R/W

MOSAIC

CENTURYLINK

CITY OF RICE LAKE

WE ENERGIES (GAS)

WIS 48

MATCHLINE STA 120+00EB

RICE LAKE ELECTRIC

121+00EB

122+00EB

510+00C

41+00'EBC'

42+00'EBC'

123+00EB

124+00EB

125+00EB

126+

MATCHLINE STA 126+00EB

D

A

C

CCI SYSTEMS

CENTURYLINK

MOSAIC

SLOPE INTERCEPT

509+00C

434+00'EBC'

US 53 SB ON RAMP C

US 53 SB

HARN

R/W

MATCHLINE STA 508+35C

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 115	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 2.DWG
LAYOUT NAME - 022004_ec-s2

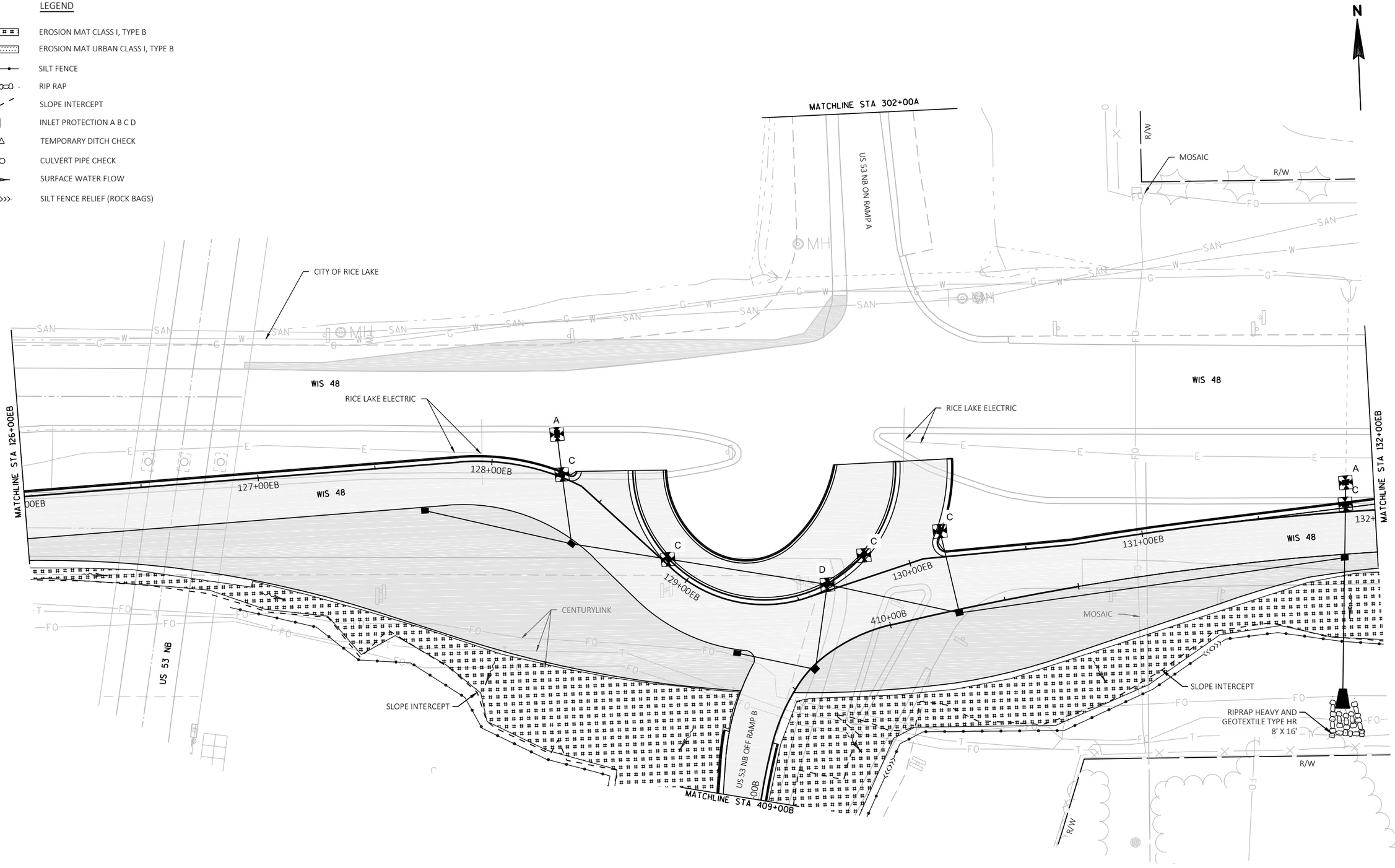
PLOT DATE : 10/8/2019 11:22 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 116	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 2.DWG
LAYOUT NAME - 022005_ec-s2

PLOT DATE : 10/8/2019 11:23 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
MOSAIC
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
CHARTER
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
BEAR PAW AVE
WIS 48
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
MATCHLINE STA 132+00EB
MATCHLINE STA 138+00EB
133+00EB
134+00EB
135+00EB
136+00EB
137+00EB
WIS 48
SLOPE INTERCEPT
CENTURYLINK
CHARTER
CENTURYLINK
CENTURYLINK
R/W
R/W
LAKEVIEW MEDICAL CENTER INC
CITY OF RICE LAKE
WE ENERGIES (GAS)
CENTURYLINK
BEAR PAW AVE

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 117	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 2.DWG
LAYOUT NAME - 022006_ec-s2

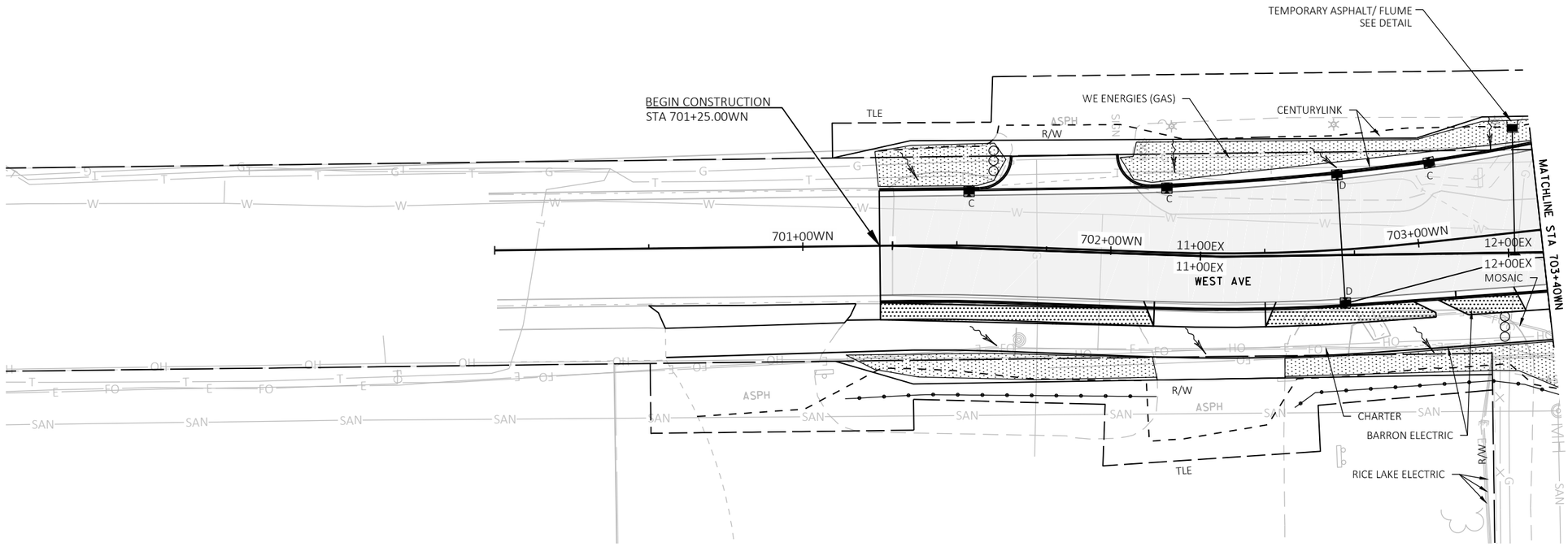
PLOT DATE : 10/8/2019 11:23 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N



2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 118	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 2.DWG
LAYOUT NAME - 022009_ec-Side Rds-s2

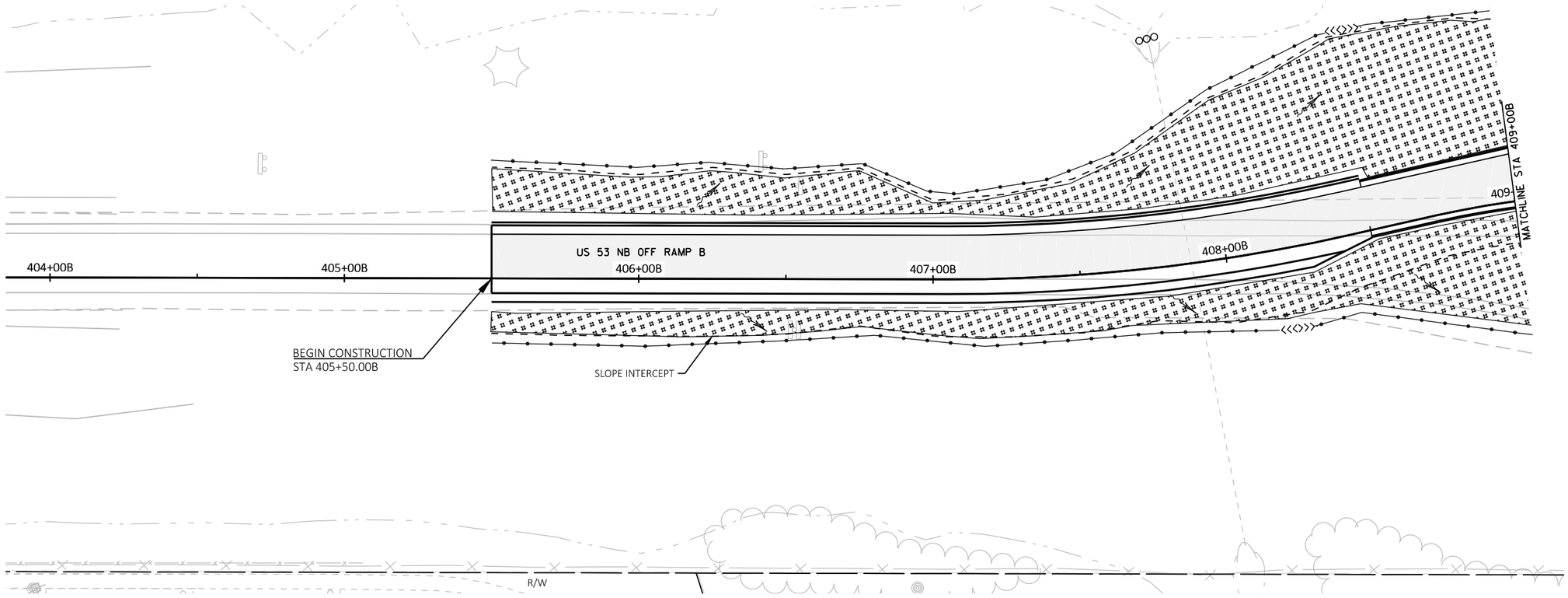
PLOT DATE : 10/8/2019 11:25 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 119	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 2.DWG
LAYOUT NAME - 022012_ec-Side Rds-s2

PLOT DATE : 10/8/2019 11:25 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

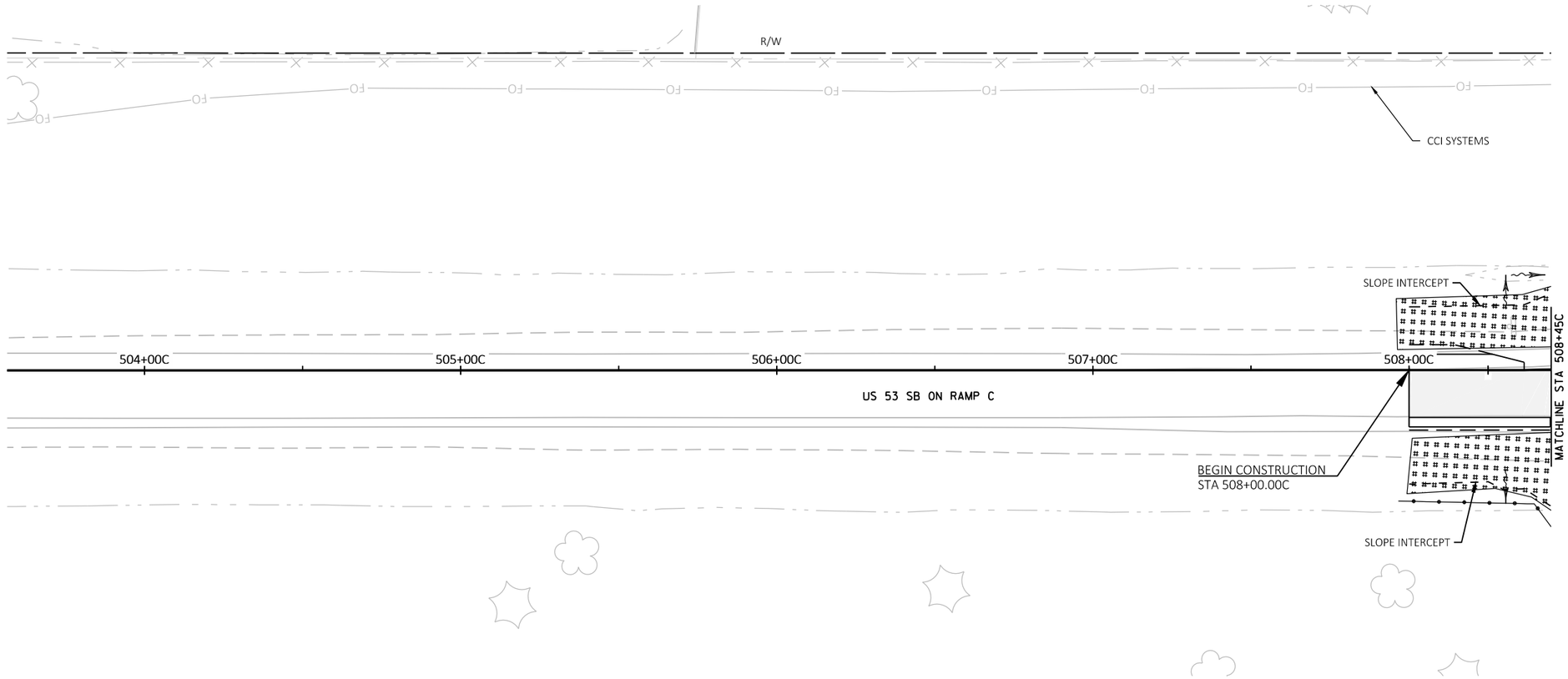
WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 2	SHEET 120	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 2.DWG
LAYOUT NAME - 022013_ec-Side Rds-s2

PLOT DATE : 10/8/2019 11:25 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

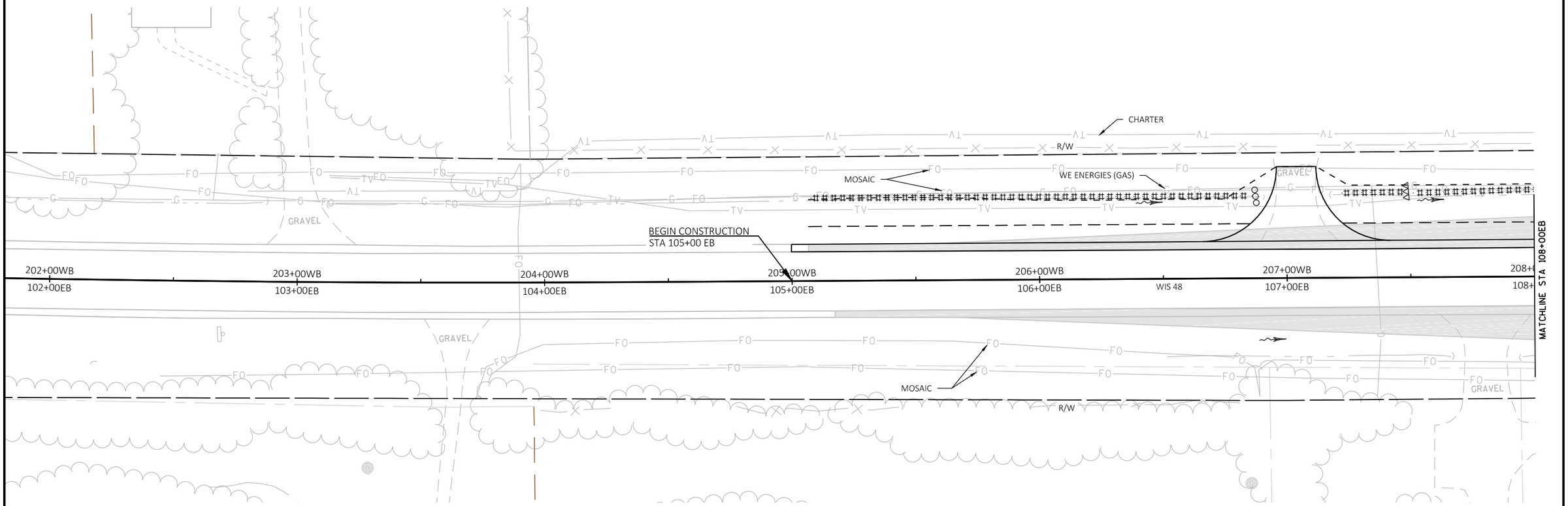
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

2

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 121	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 3.DWG
LAYOUT NAME - 022001_ec-s3

PLOT DATE : 10/8/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

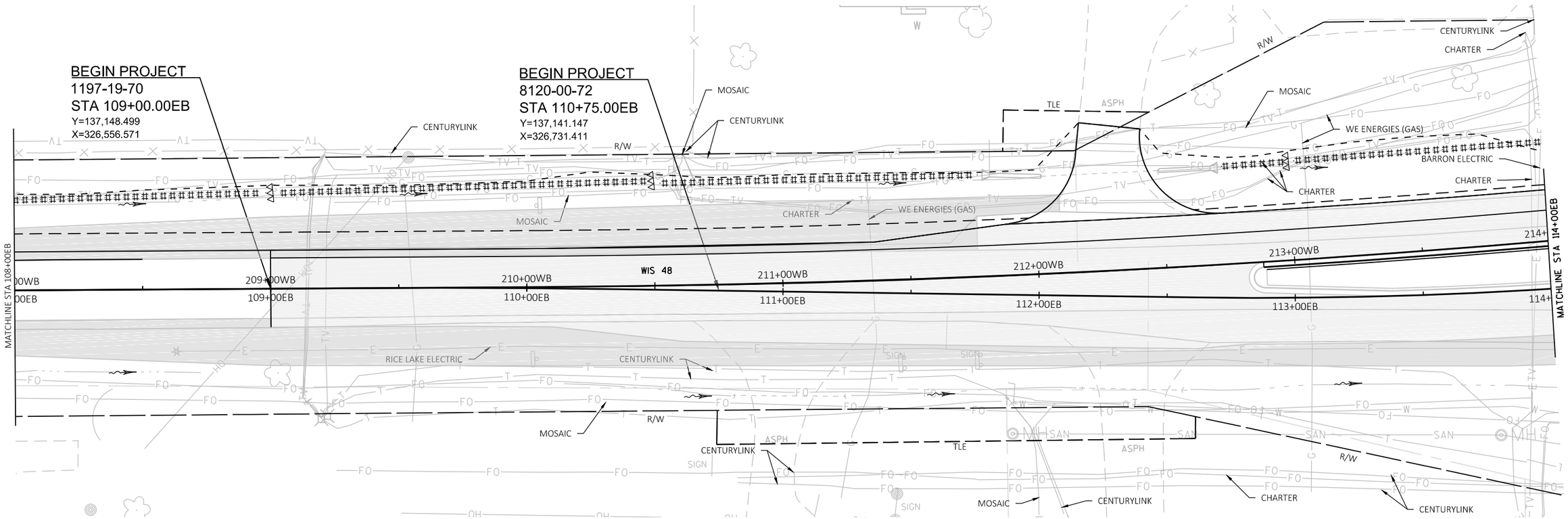
2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 122	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 3.DWG
LAYOUT NAME - 022002_ec-s3
PLOT DATE : 10/8/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.

MATCHLINE STA 706+60WN

WEST AVE

BARRON ELECTRIC

TLE

R/W

SIGN

SS

W

SAN

MH

MOSAIC

CENTURYLINK

WE ENERGIES (GAS)

CHARTER

30A

706+00WN

217+00WB

218+00WB

219+00WB

220

CITY OF RICE LAKE

RICE LAKE ELECTRIC

705+00WN

MATCHLINE STA 120+00EB

120+

119+00EB

118+00EB

117+00EB

116+00EB

115+00EB

114+00EB

MATCHLINE STA 114+00EB

WIS 48

216+00WB

215+00WB

00WB

END PROJECT 8120-00-72
STA 119+00.00EB

704+00WN

MATCHLINE STA 703+40WN

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 123	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 3.DWG
LAYOUT NAME - 022003_ec-s3

PLOT DATE : 10/8/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

MOSAIC

CCI SYSTEMS

RIPRAP MEDIUM AND GEOTEXTILE TYPE R 4' X 8'

R/W

MOSAIC

CENTURYLINK

MATCHLINE STA 601+50D

US 53 SB ON RAMP D

RIPRAP HEAVY AND GEOTEXTILE TYPE HR 12' X 85'

SLOPE INTERCEPT

WE ENERGIES (GAS)

CITY OF RICE LAKE

NOTE:
MULCH ALL DISTURBED AREAS NOT COVERED WITH EMAT.

223+00WB

222+00WB

221+00WB

WIS 48

224+00WB

225+00WB

226+

MATCHLINE STA 120+00EB

RICE LAKE ELECTRIC

121+00EB

122+00EB

123+00EB

124+00EB

125+00EB

126+

MATCHLINE STA 126+00EB

CCI SYSTEMS

CENTURYLINK

MOSAIC

HARN

CCI SYSTEMS

CCI SYSTEMS

R/W

R/W

US 53 SB ON RAMP C

MATCHLINE STA 508+35C

US 53 SB

CENTURYLINK

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 124	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 3.DWG
LAYOUT NAME - 022004_ec-s3

PLOT DATE : 10/8/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.

N

MATCHLINE STA 302+00A

MATCHLINE STA 126+00EB

MATCHLINE STA 132+00EB

MATCHLINE STA 409+00B

CITY OF RICE LAKE

RICE LAKE ELECTRIC

CENTURYLINK

MOSAIC

SLOPE INTERCEPT

RIPRAP HEAVY AND GEOTEXTILE TYPE HR 12' X 80'

US 53 NB ON RAMP A

US 53 NB

US 53 NB OFF RAMP B

WIS 48

R/W

227+00WB

228+00WB

229+00WB

230+00WB

231+00WB

301+00A

302+00A

127+00EB

128+00EB

129+00EB

130+00EB

131+00EB

132+00EB

C

D

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 125	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 3.DWG
LAYOUT NAME - 022005_ec-s3

PLOT DATE : 10/8/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
MOSAIC
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
SLOPE INTERCEPT
A
C
WIS 48
233+00WB
234+00WB
235+00WB
RICE LAKE ELECTRIC
133+00EB
134+00EB
135+00EB
WIS 48
MATCHLINE STA 132+00EB
CHARTER
RICE LAKE ELECTRIC
A
C
D
WE ENERGIES (GAS)
BEAR PAW AVE
236+00WB
136+00EB
CENTURYLINK
CENTURYLINK
R/W
MOSAIC
MOSAIC
R/W
RICE LAKE ELECTRIC
NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.
CHARTER
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
237+00WB
137+00EB
EXISTING TO REMAIN
MATCHLINE STA 138+00EB
CENTURYLINK
CHARTER
CENTURYLINK
CENTURYLINK
R/W
LAKEVIEW MEDICAL CENTER INC
R/W
WE ENERGIES (GAS)
R/W
BEAR PAW AVE
R/W
CENTURYLINK

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 126	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 3.DWG
LAYOUT NAME - 022006_ec-s3
PLOT DATE : 10/8/2019 11:28 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

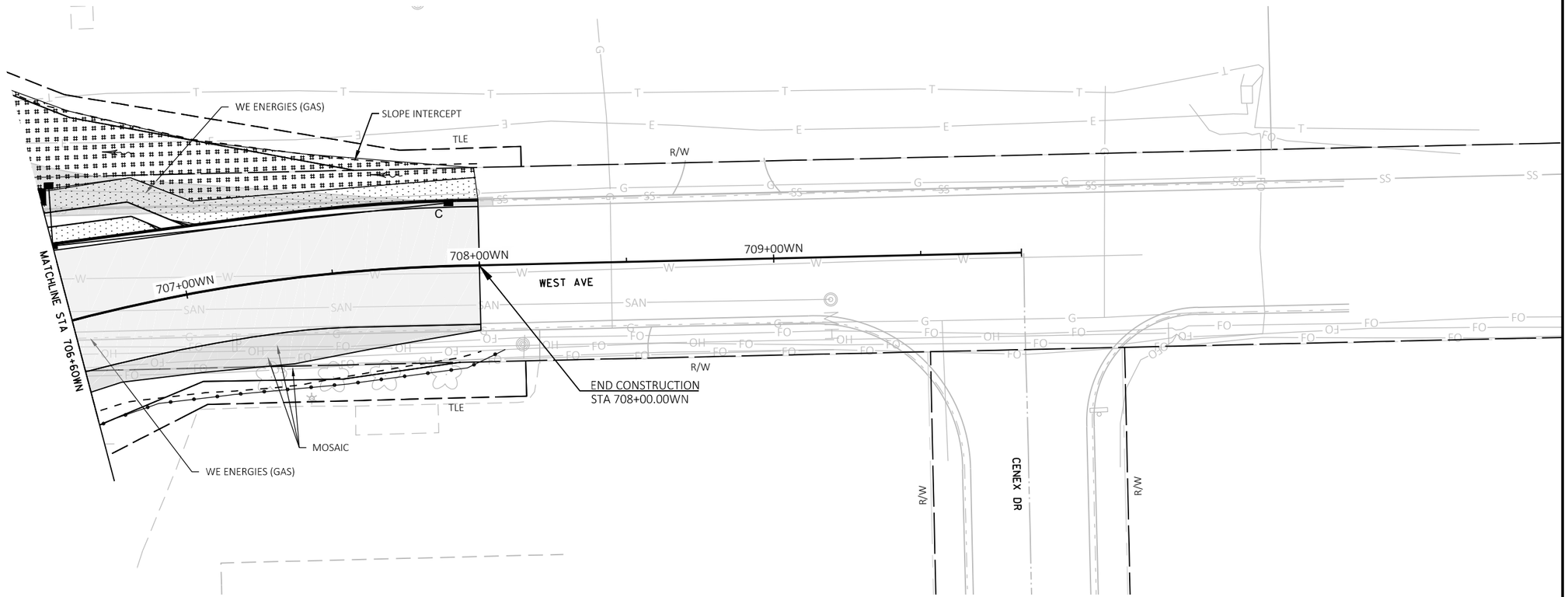
2

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 127	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 3.DWG
LAYOUT NAME - 022010_ec-Side Rds-s3

PLOT DATE : 10/8/2019 11:30 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

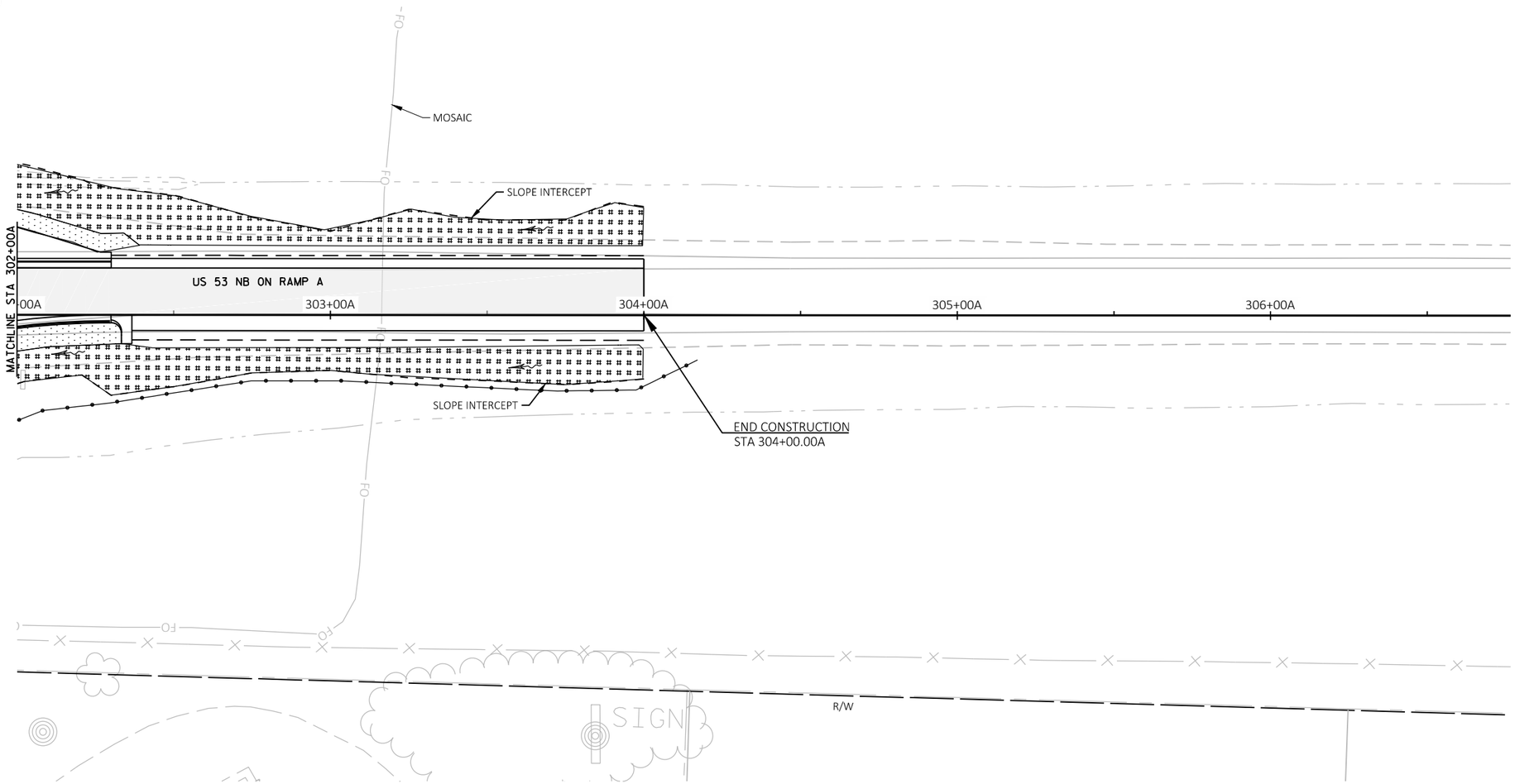
LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

2

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 128	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 3.DWG
LAYOUT NAME - 022011_ec-Side Rds-s3

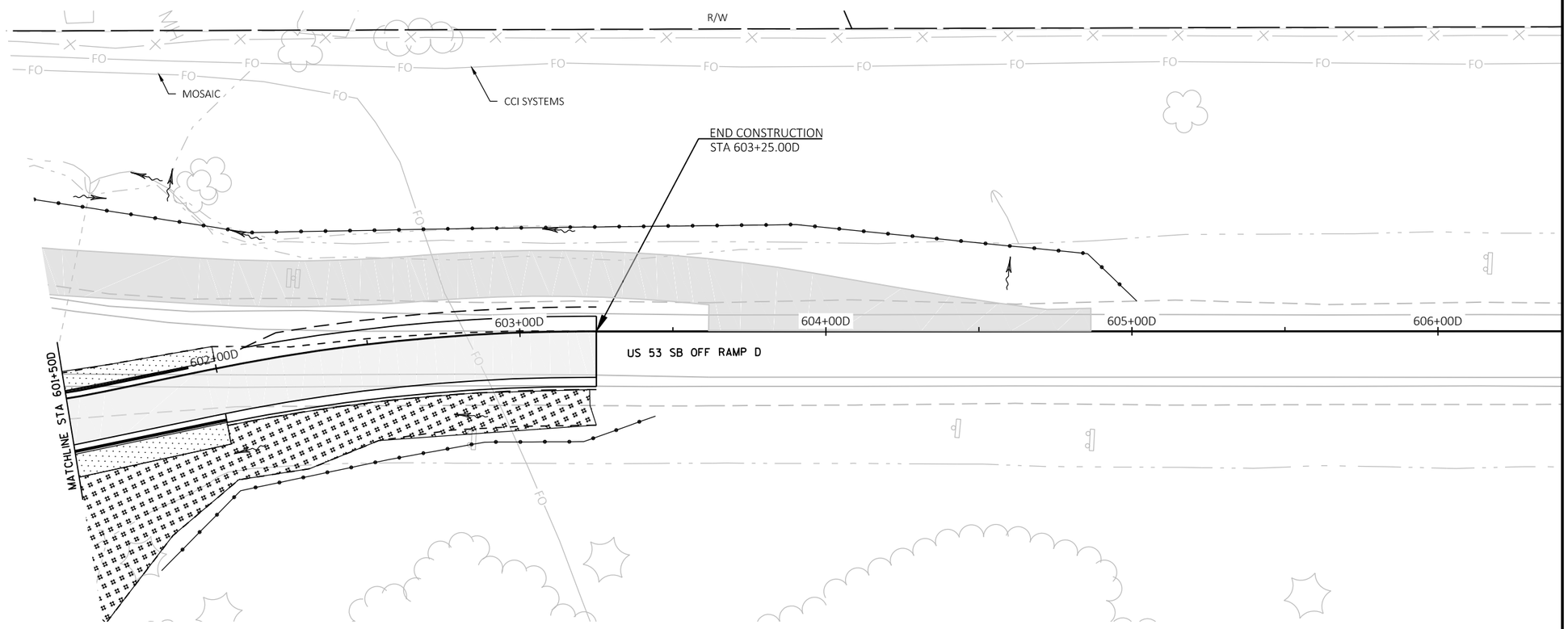
PLOT DATE : 10/8/2019 11:30 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- EROSION MAT CLASS I, TYPE B
- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

NOTE:
MULCH ALL DISTURBED AREAS
NOT COVERED WITH EMAT.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 3	SHEET 129	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS - STAGE 3.DWG
LAYOUT NAME - 022014_ec-Side Rds-s3

PLOT DATE : 10/8/2019 11:30 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

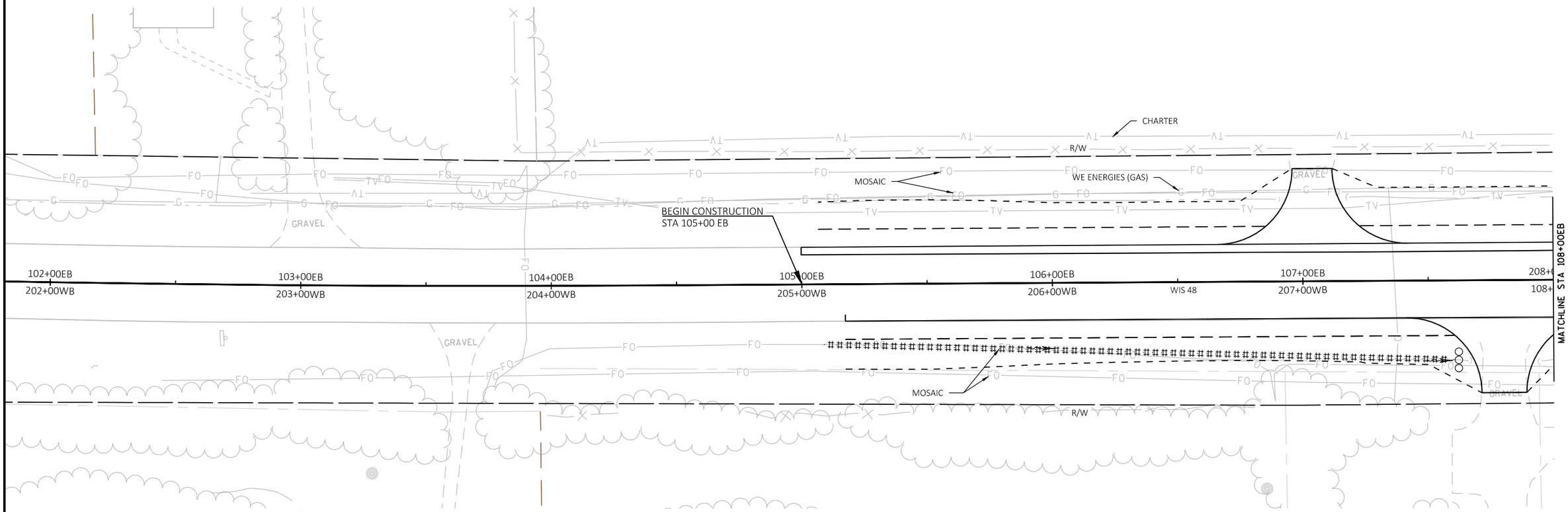
2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 130	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 4.DWG
LAYOUT NAME - 022001_ec-s4

PLOT DATE : 10/8/2019 11:32 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

BEGIN PROJECT
1197-19-70
STA 109+00.00EB
Y=137,148.499
X=326,556.571

BEGIN PROJECT
8120-00-72
STA 110+75.00EB
Y=137,141.147
X=326,731.411

MATCHLINE STA 108+00EB

MATCHLINE STA 114+00EB

WIS 48

209+00WB
109+00EB
210+00WB
110+00EB
211+00WB
111+00EB
212+00WB
112+00EB
213+00WB
113+00EB
214+
114+

CENTURYLINK
MOSAIC
R/W
TLE
ASPH
CHARTER
WE ENERGIES (GAS)
BARRON ELECTRIC
RICE LAKE ELECTRIC
SIGN
SAN
W

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

2

MATCHLINE STA 706+60WN

WEST AVE

BARRON ELECTRIC

TLE

R/W

SIGN

SS

W

SAN

MOSAIC

MH

CENTURYLINK

WE ENERGIES (GAS)

CITY OF RICE LAKE

CHARTER

806+00WS

30A

706+00WN

217+00WB

218+00WB

216+00WB

215+00WB

WIS 48

805+00WS

RICE LAKE ELECTRIC

705+00WN

219+00WB

220

MATCHLINE STA 120+00EB

MATCHLINE STA 114+00EB

116+00EB

115+00EB

C

D

117+00EB

118+00EB

119+00EB

120+

804+00WS

704+00WN

END PROJECT 8120-00-72
STA 119+00.00EB

MATCHLINE STA 703+40WN

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 132	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 4.DWG
LAYOUT NAME - 022003_ec-s4

PLOT DATE : 10/8/2019 11:32 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

MOSAIC

CCI SYSTEMS

R/W

MOSAIC

CENTURYLINK

MATCHLINE STA 601+50D

601+00D

223+00WB

222+00WB

221+00WB

WIS 48

CITY OF RICE LAKE

WE ENERGIES (GAS)

224+00WB

225+00WB

WIS 48

226+

MATCHLINE STA 126+00EB

120+00EB

RICE LAKE ELECTRIC

121+00EB

122+00EB

WIS 48

RICE LAKE ELECTRIC

126+

125+00EB

124+00EB

WIS 48

CCI SYSTEMS

123+00EB

CENTURYLINK

US 53 SB

CENTURYLINK

MOSAIC

US 53 SB ON RAMP C

CCI SYSTEMS

CCI SYSTEMS

R/W

R/W

MATCHLINE STA 508+35C

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 133	E

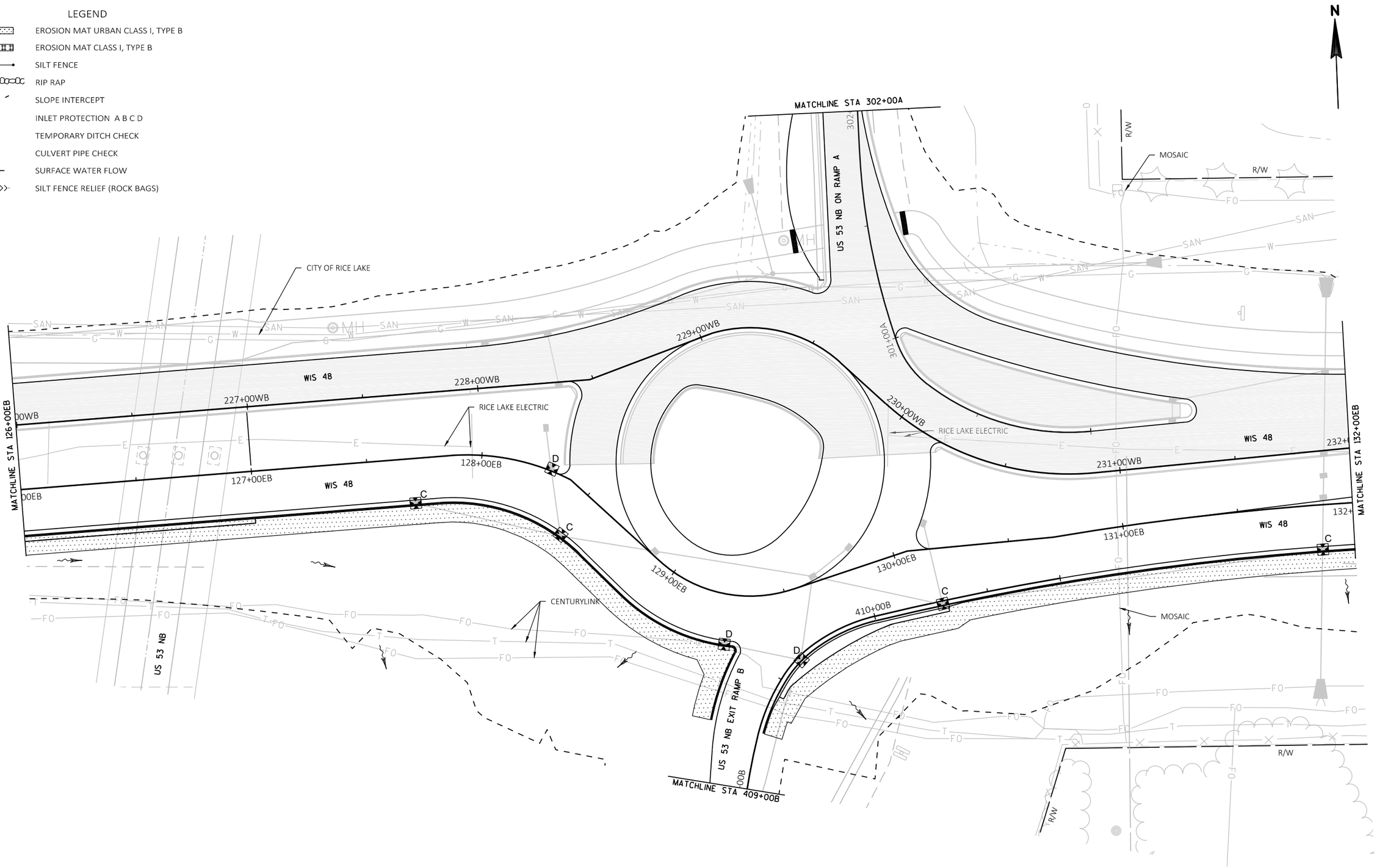
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 4.DWG
LAYOUT NAME - 022004_ec-s4

PLOT DATE : 10/8/2019 11:32 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 134	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 4.DWG
LAYOUT NAME - 022005_ec-s4

PLOT DATE : 10/8/2019 11:33 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

CENTURYLINK
R/W
MOSAIC
MOSAIC
CENTURYLINK
R/W
MOSAIC
MOSAIC
R/W
CHARTER
RICE LAKE ELECTRIC
MOSAIC
CHARTER
RICE LAKE ELECTRIC
CHARTER
RICE LAKE ELECTRIC
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
RICE LAKE ELECTRIC
BEAR PAW AVE
RICE LAKE ELECTRIC
WE ENERGIES (GAS)
WIS 48
233+00WB
234+00WB
235+00WB
236+00WB
237+00WB
238+00
MATCHLINE STA 132+00EB
RICE LAKE ELECTRIC
EXISTING TO REMAIN
133+00EB
134+00EB
135+00EB
136+00EB
137+00EB
138+00
MATCHLINE STA 138+00EB
WIS 48
CENTURYLINK
CHARTER
CENTURYLINK
CENTURYLINK
R/W
R/W
LAKEVIEW MEDICAL CENTER INC
WE ENERGIES (GAS)
R/W
R/W
BEAR PAW AVE
CENTURYLINK

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 135	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022001_EC - STAGE 4.DWG
LAYOUT NAME - 022006_ec-s4

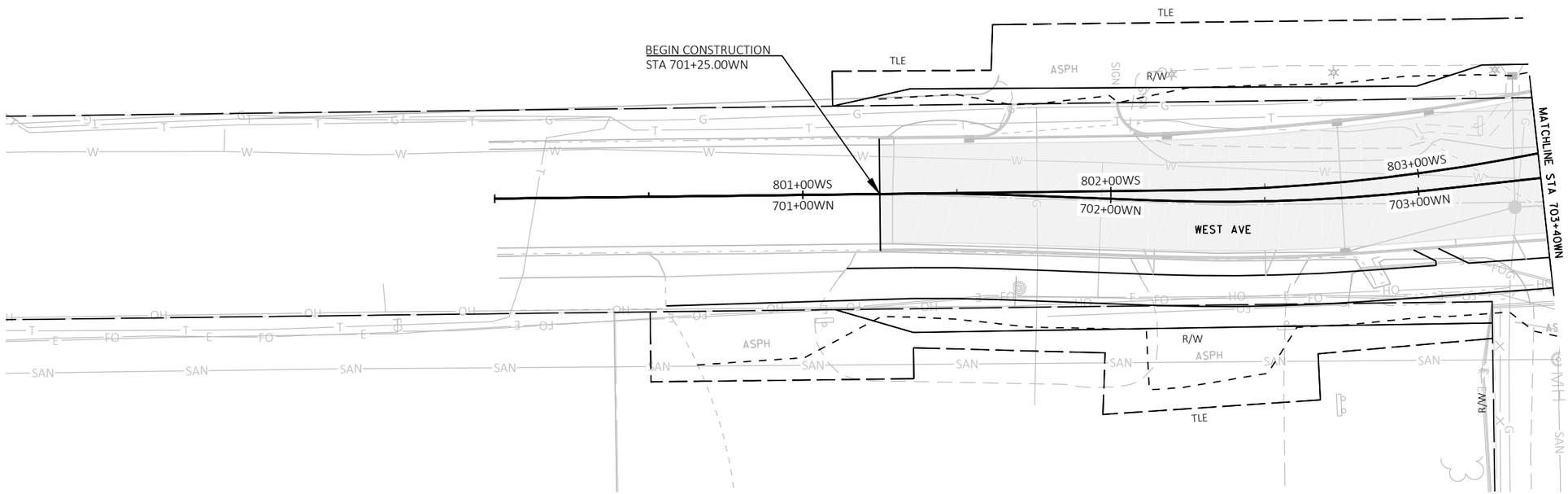
PLOT DATE : 10/8/2019 11:33 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 136	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS.DWG
LAYOUT NAME - 022009_ec-Side Rds-s4

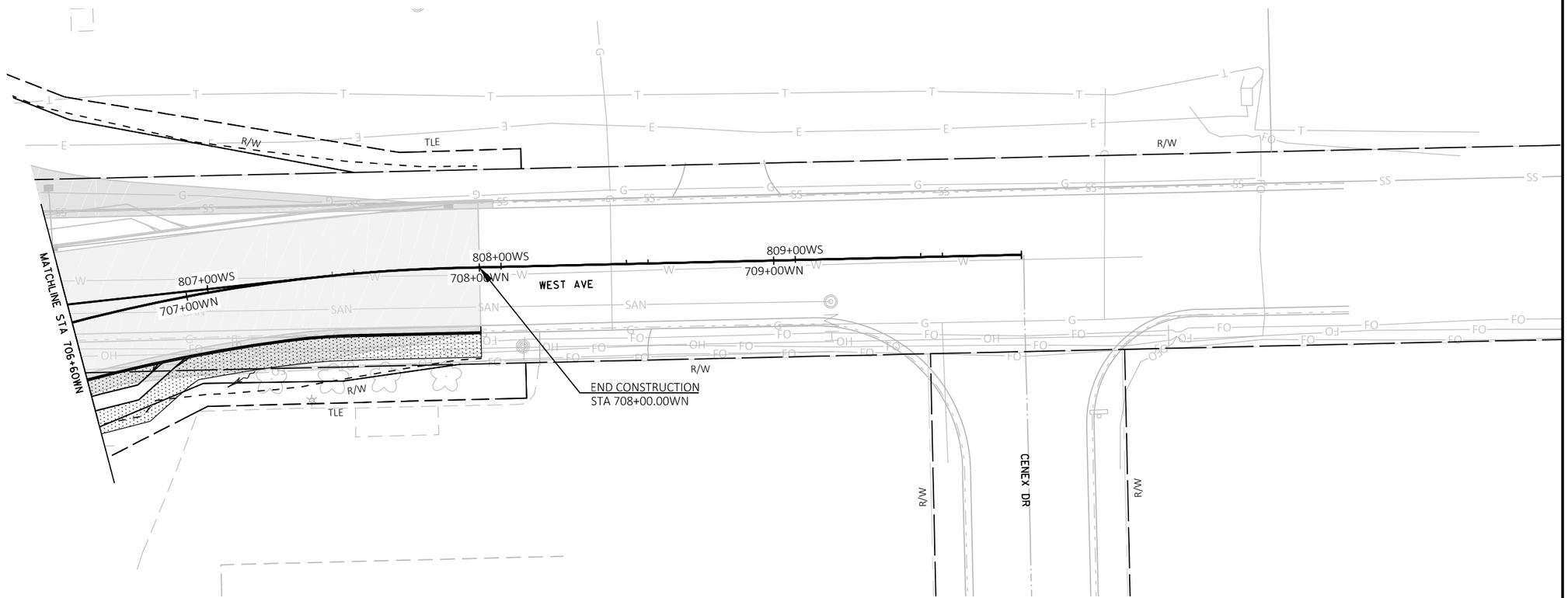
PLOT DATE : 10/8/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

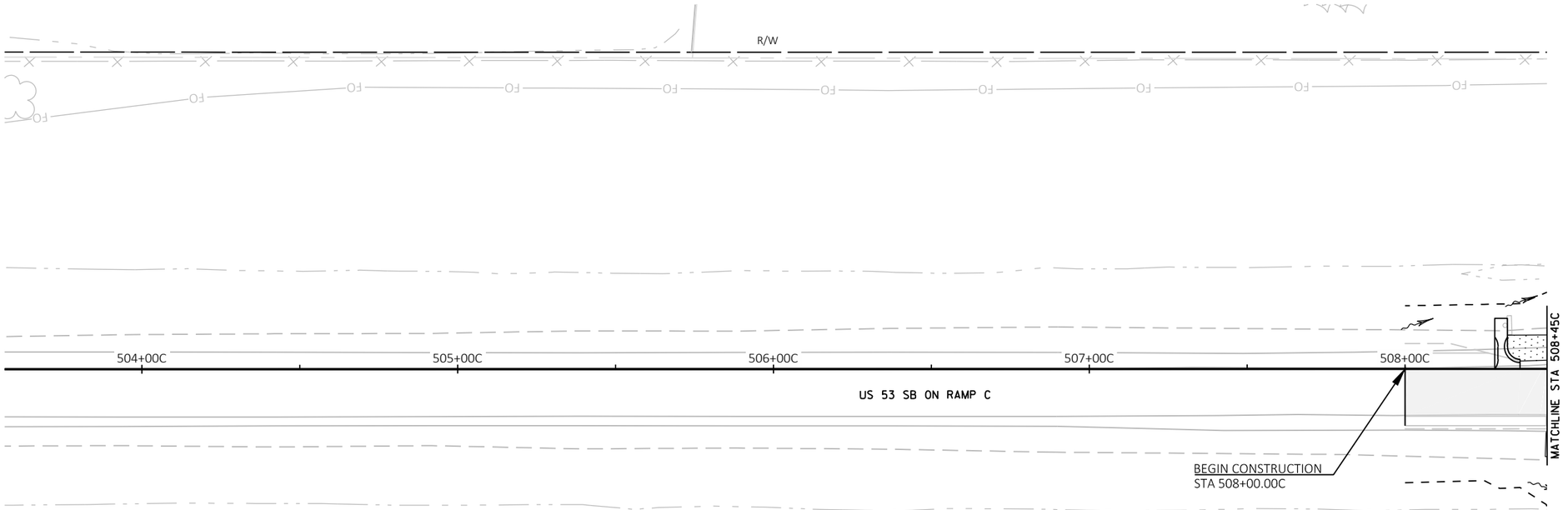
- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)



LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION A B C D
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

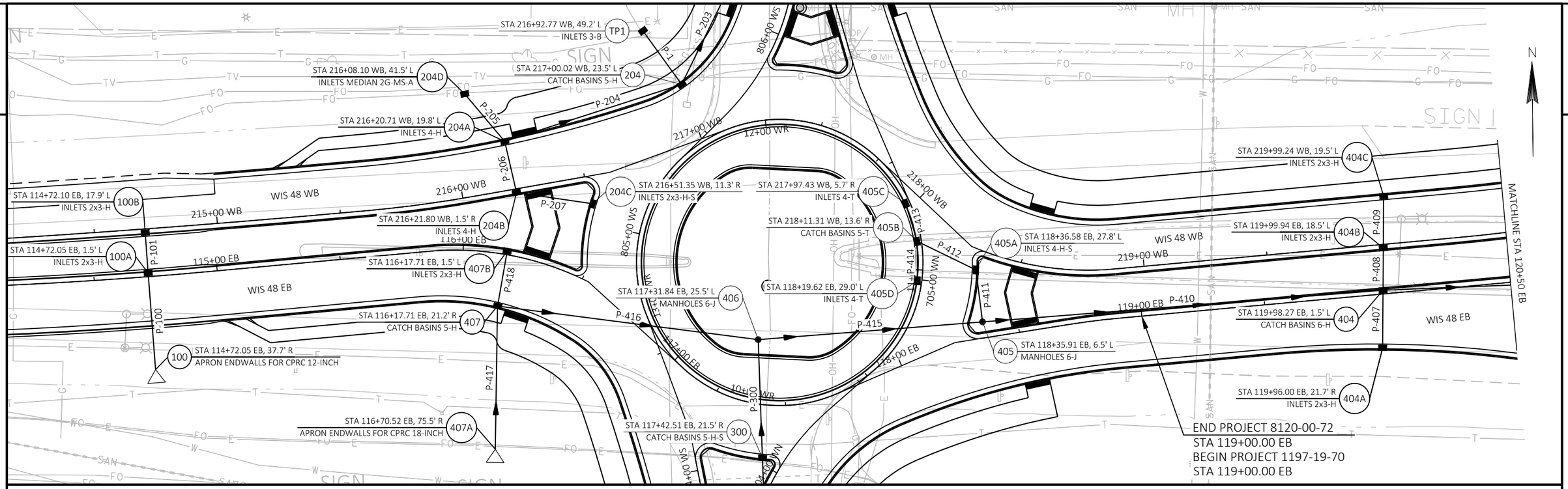
N

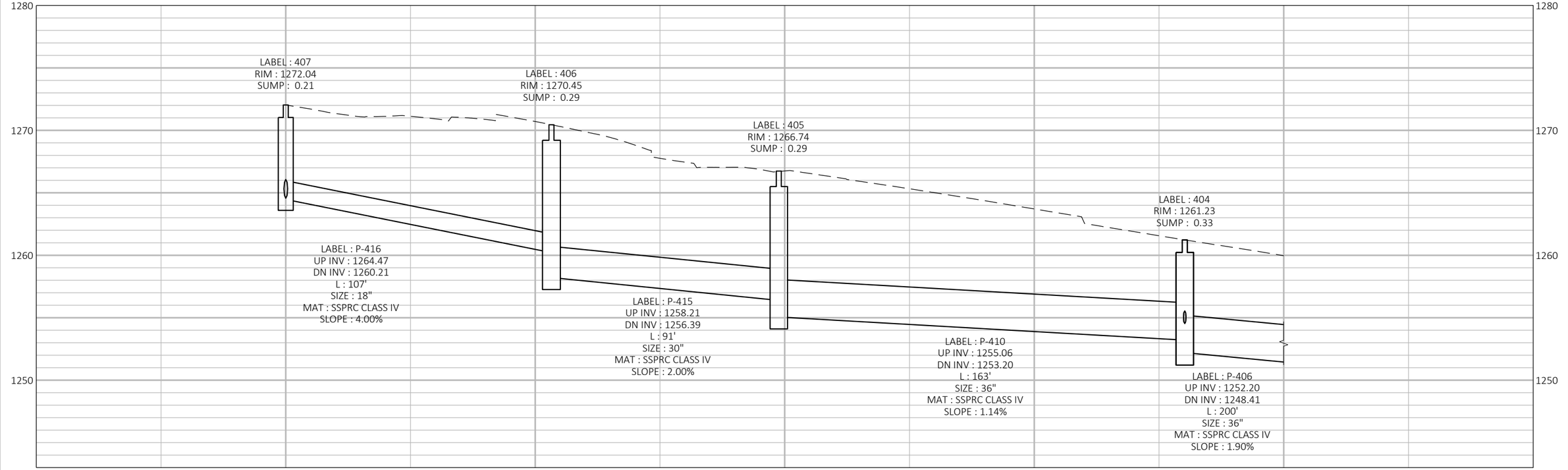


2

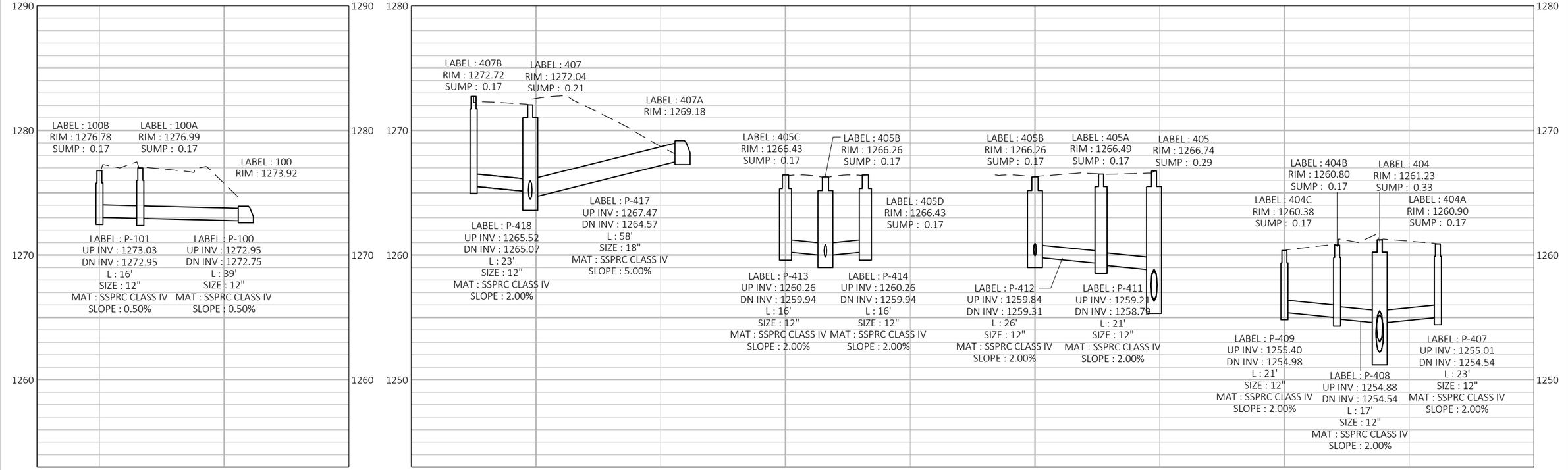
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	EROSION CONTROL - STAGE 4	SHEET 138	E

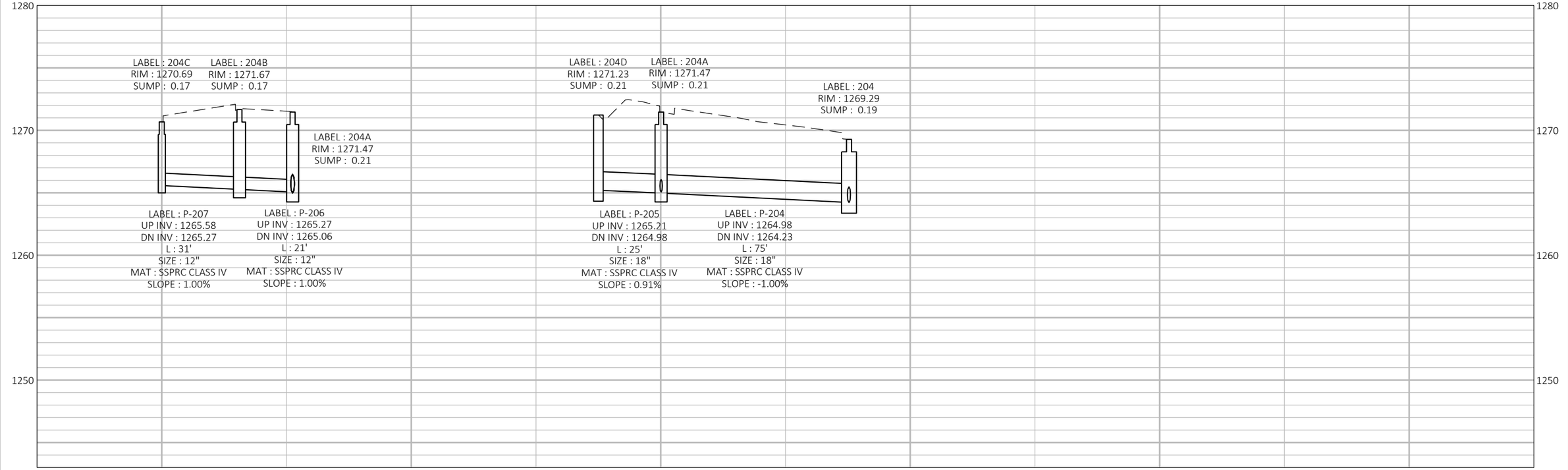
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\022002_EC - SIDE ROADS.DWG
LAYOUT NAME - 022013_ec-Side Rds-s4
PLOT DATE : 10/8/2019 11:35 AM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





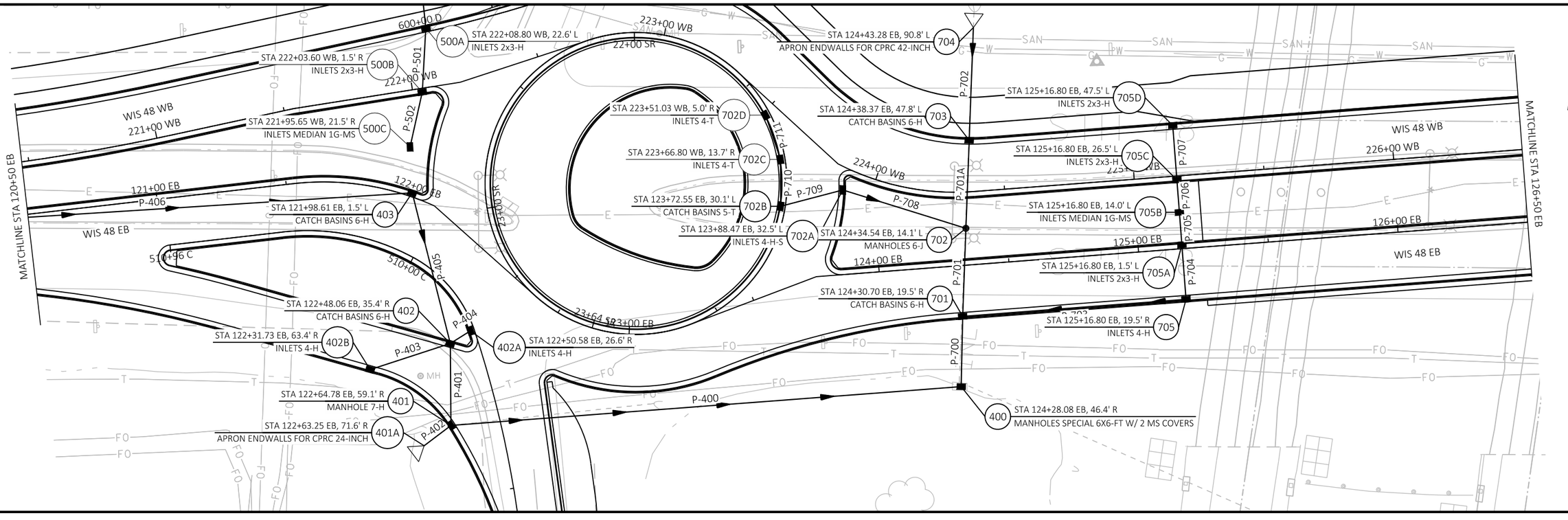
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	STORM SEWER	SHEET 139	E

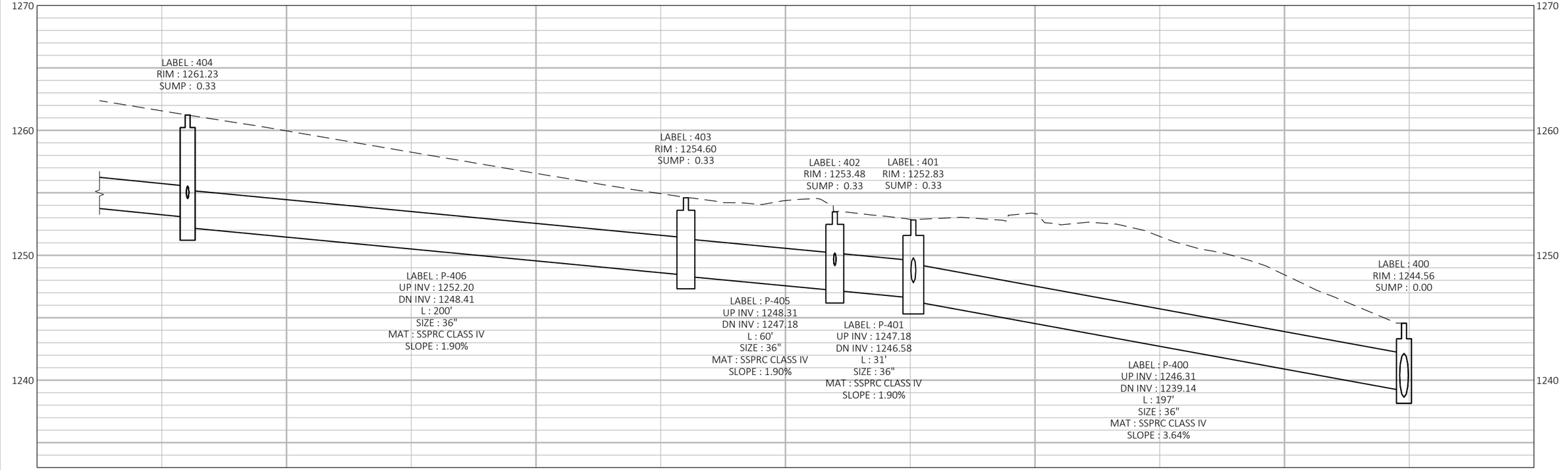




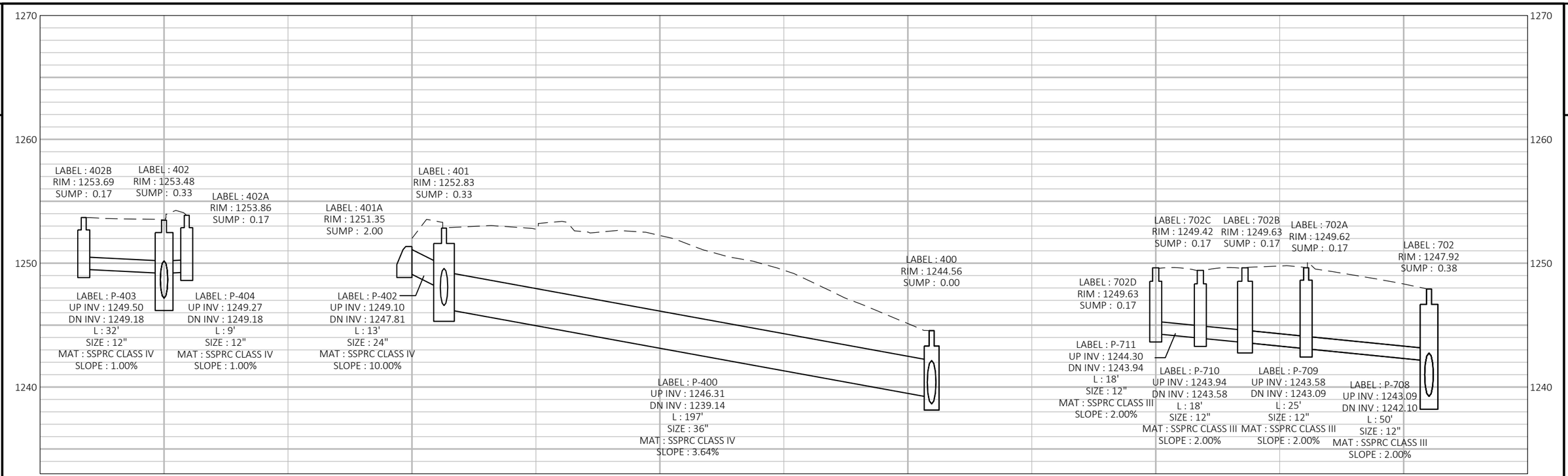
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	STORM SEWER	SHEET 140	E

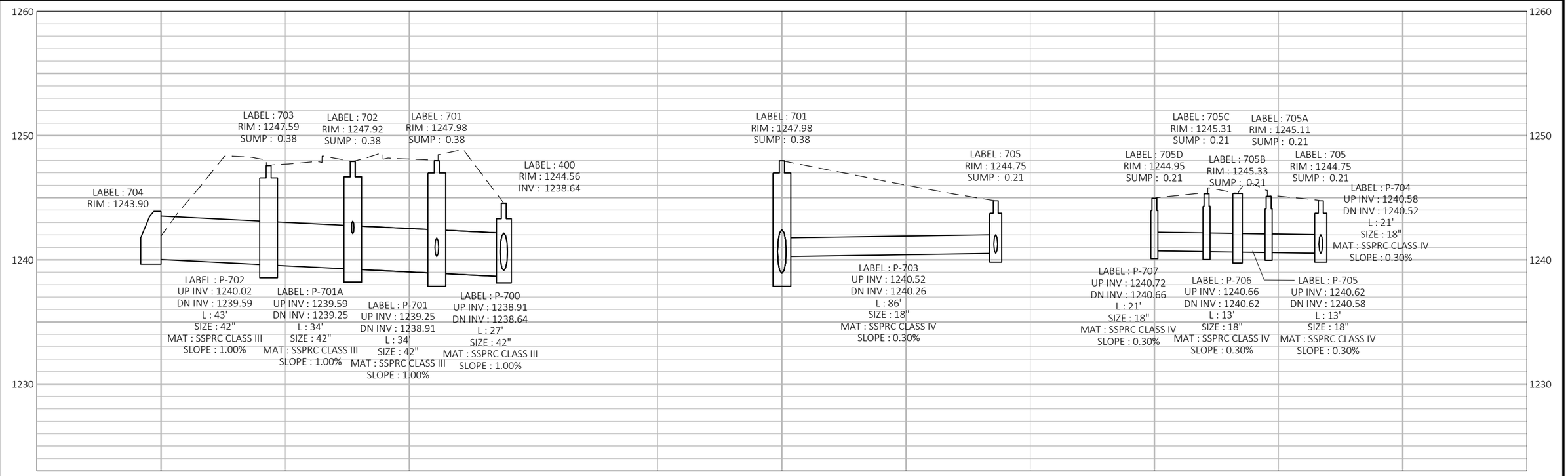
FILE NAME : N:\PDS\C3D\11971901\C3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 02
PLOT DATE : 7/22/2019 5:30 PM
PLOT BY : MICHAEL BUCCELLI
PLOT NAME :
PLOT SCALE : #########
WISDOT/CADDS SHEET 44





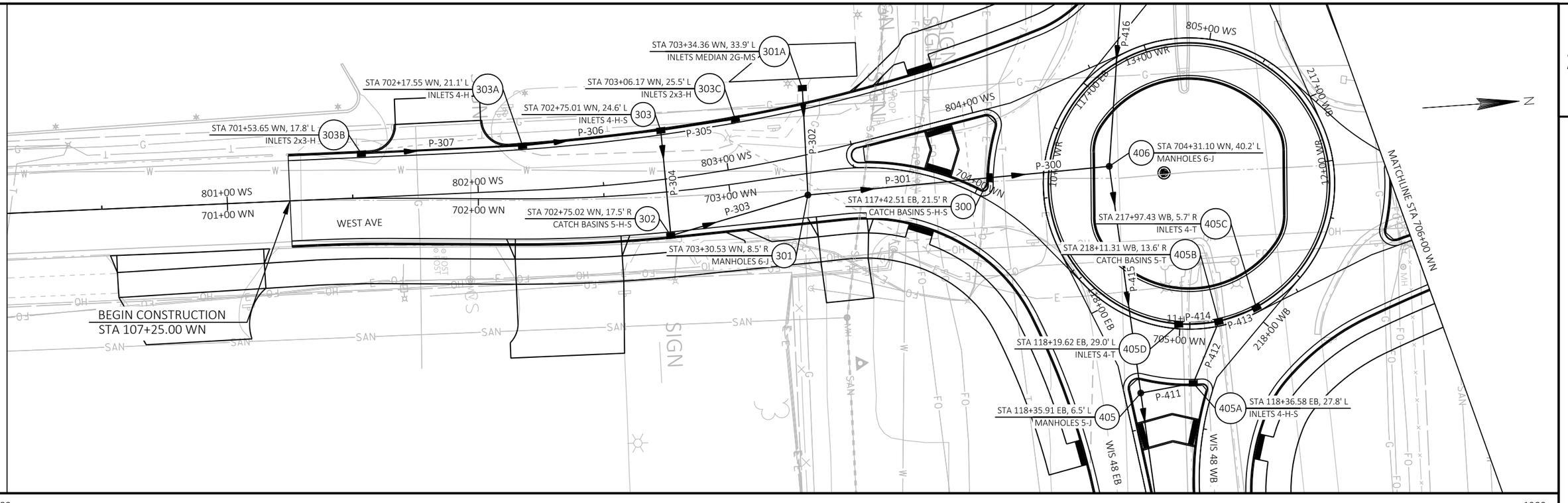
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STORM SEWER	SHEET 141	E

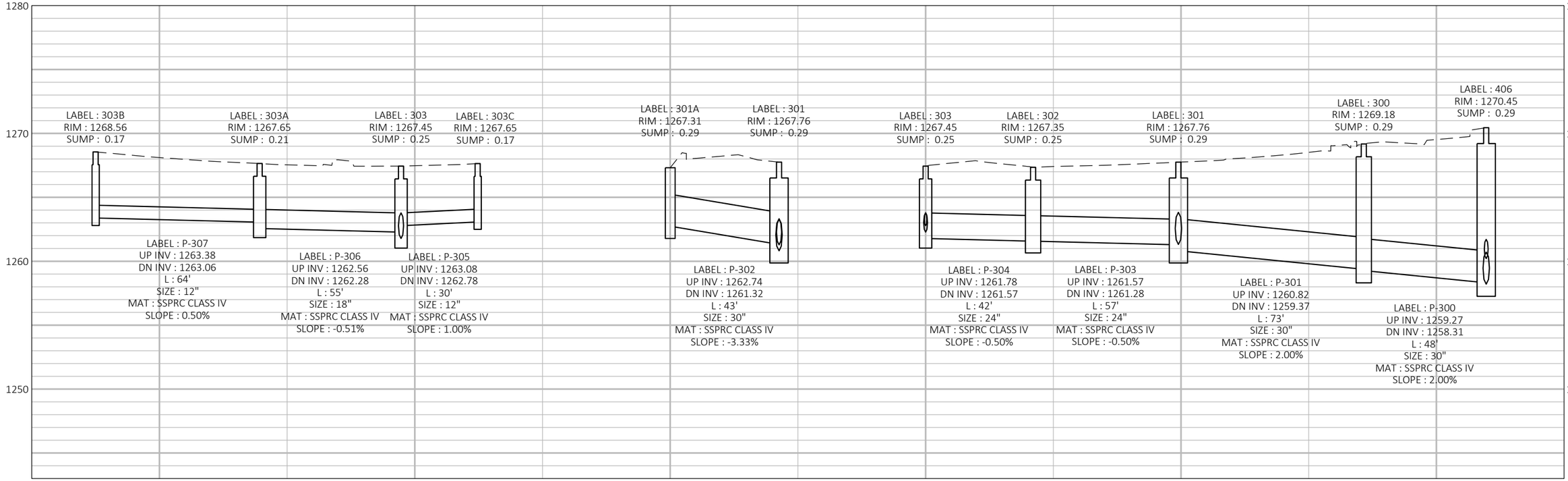




PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STORM SEWER	SHEET 142	E

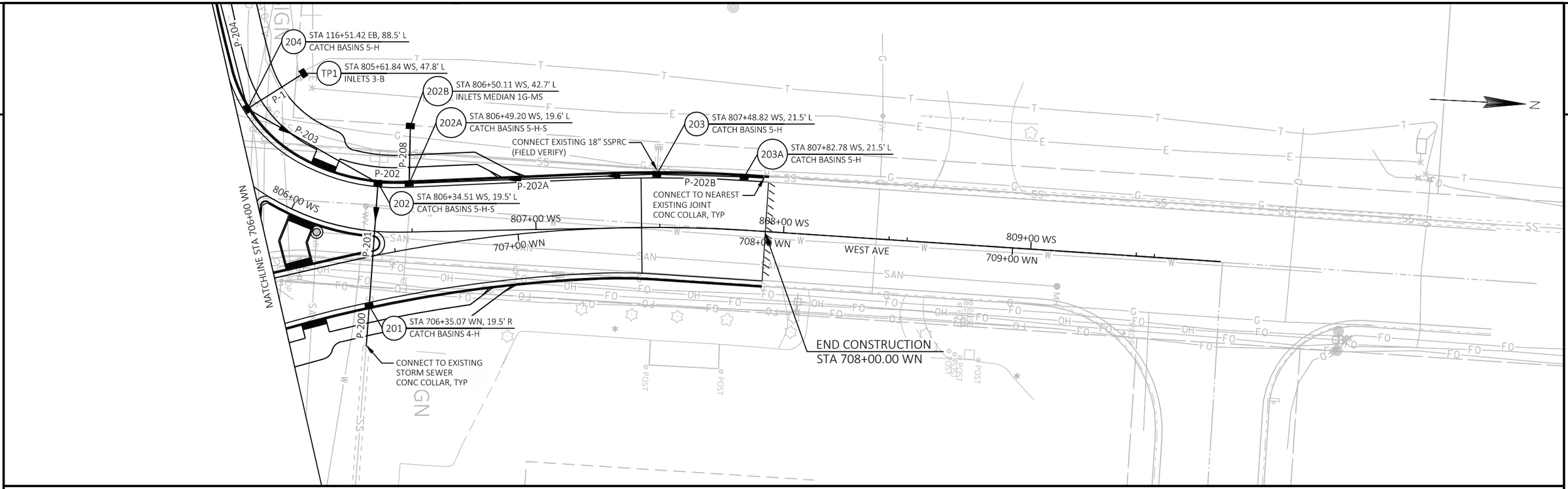
2

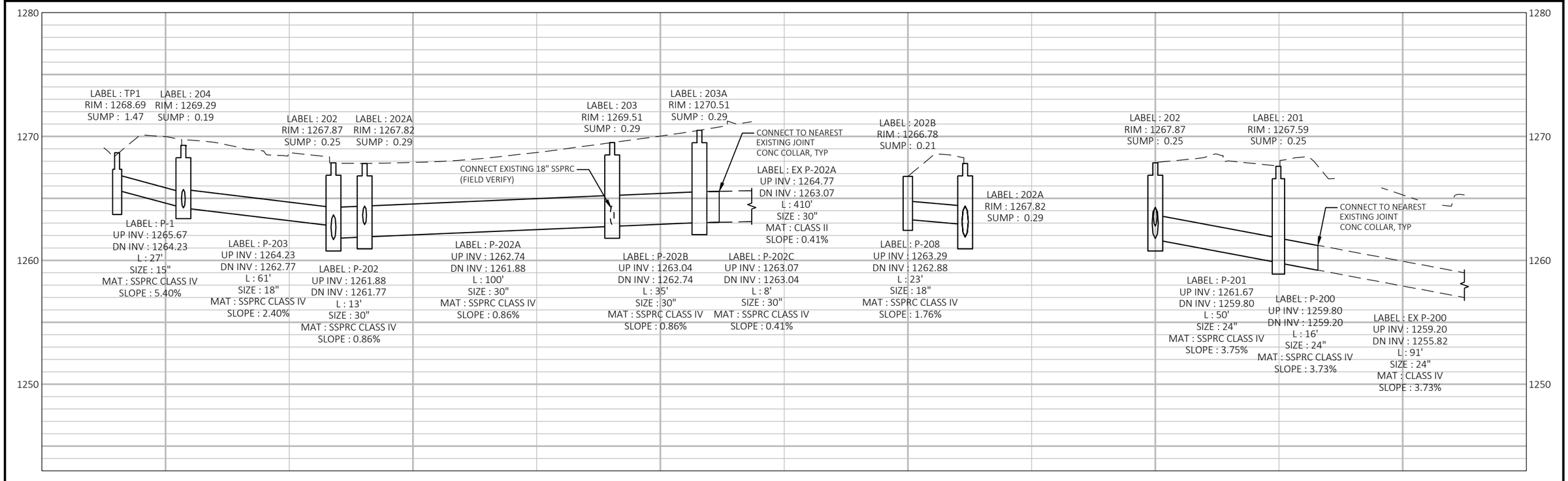




PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	STORM SEWER	SHEET 143	E

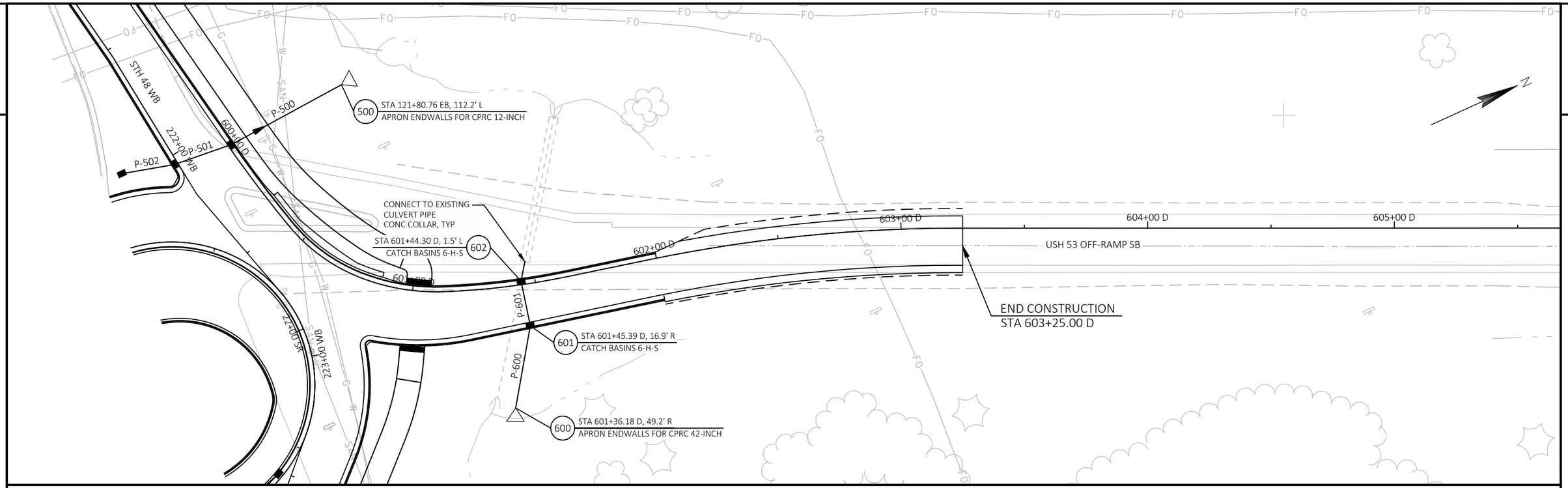
2

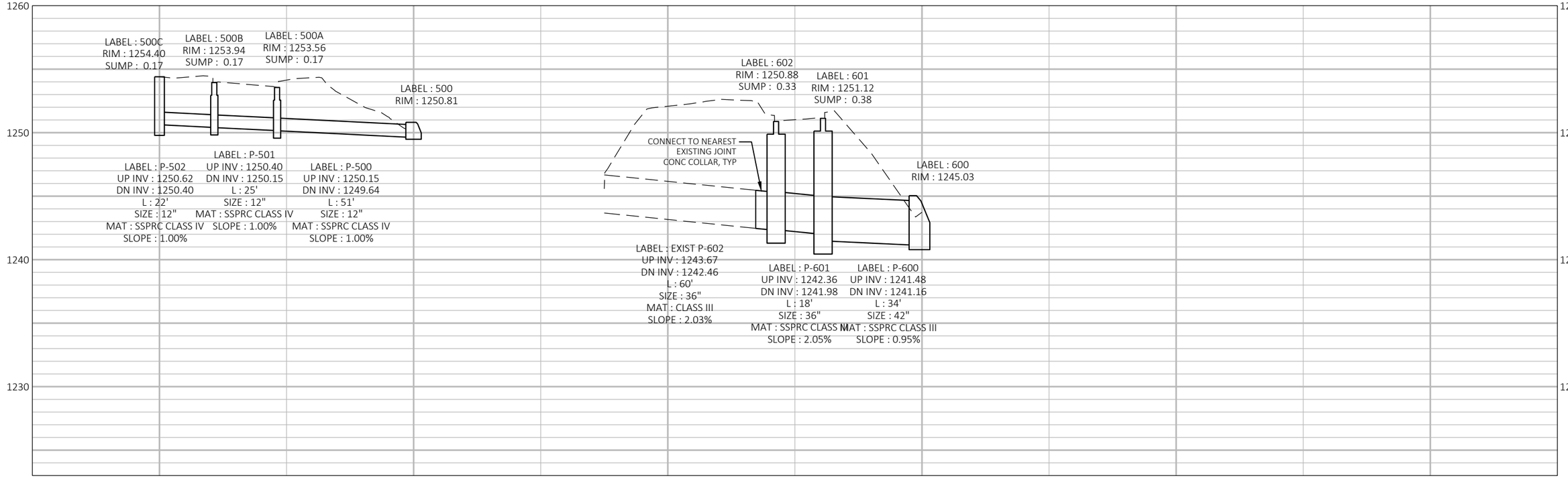




PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	STORM SEWER	SHEET 144	E

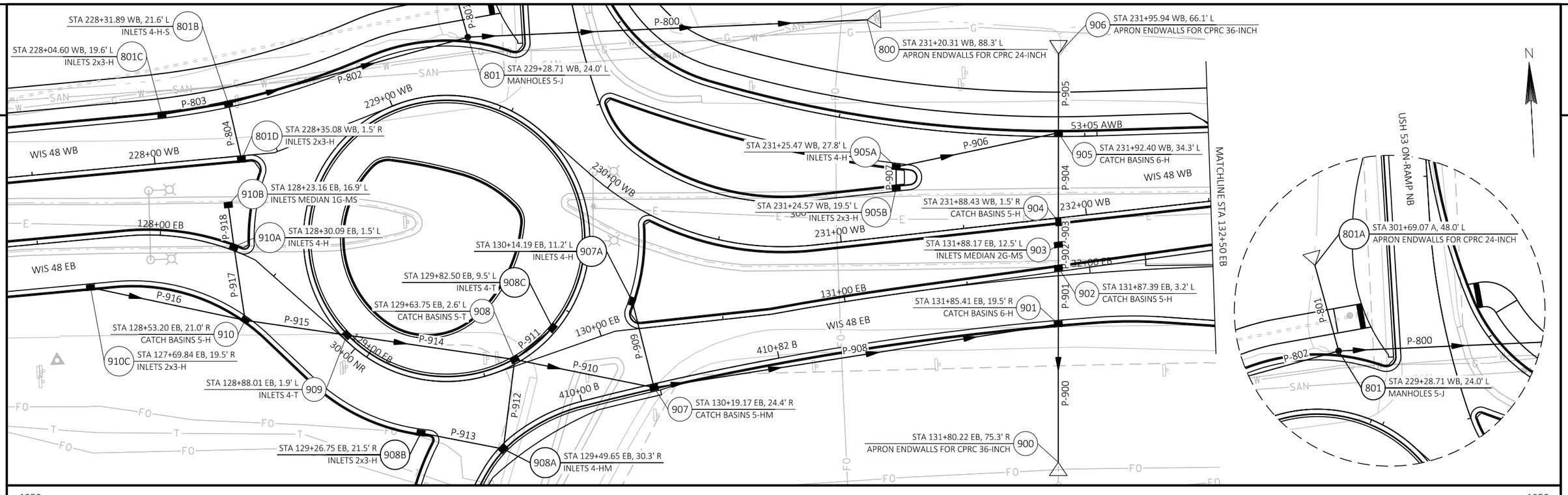
2

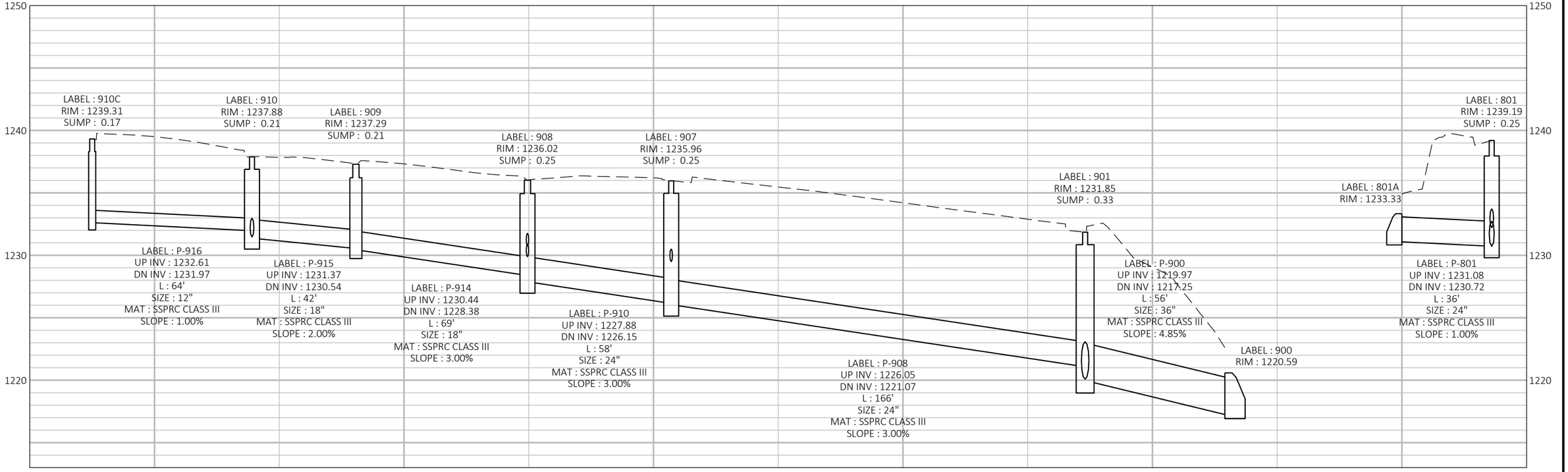




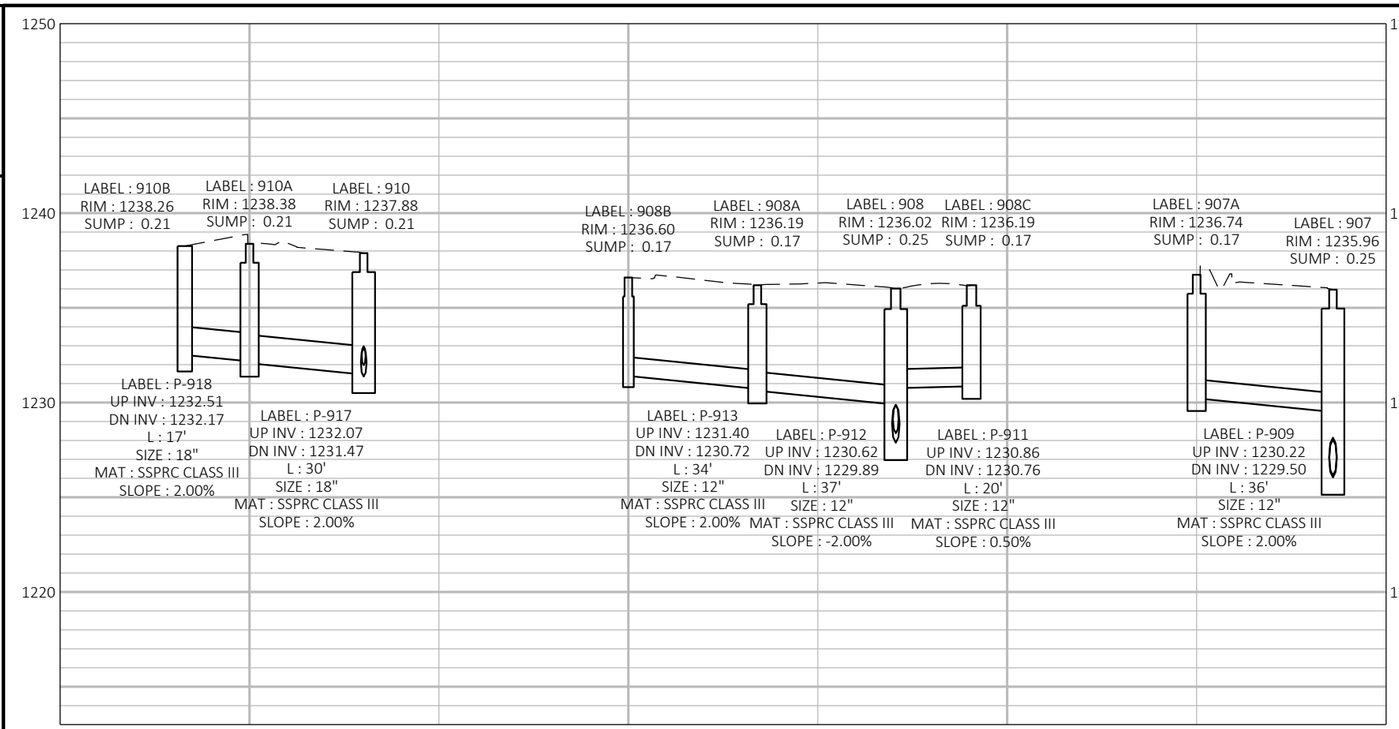
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STORM SEWER	SHEET 145	E

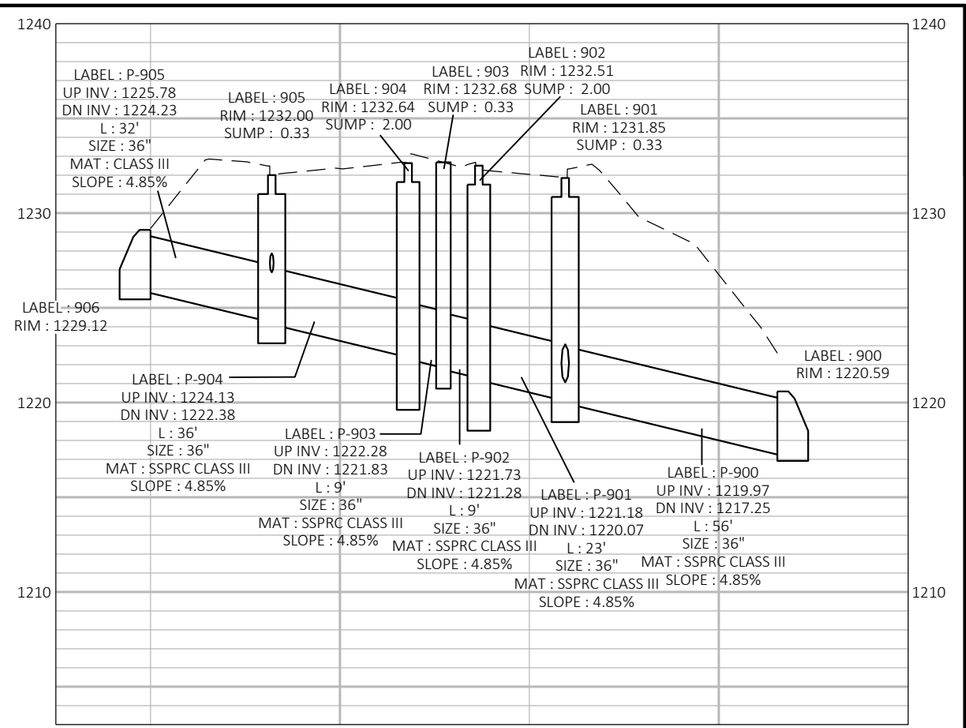
FILE NAME : N:\PDS\C3D\11971901\C3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 07
PLOT DATE : 7/22/2019 5:30 PM
PLOT BY : MICHAEL BUCCELLI
PLOT NAME :
PLOT SCALE : #########
WISDOT/CADDS SHEET 44

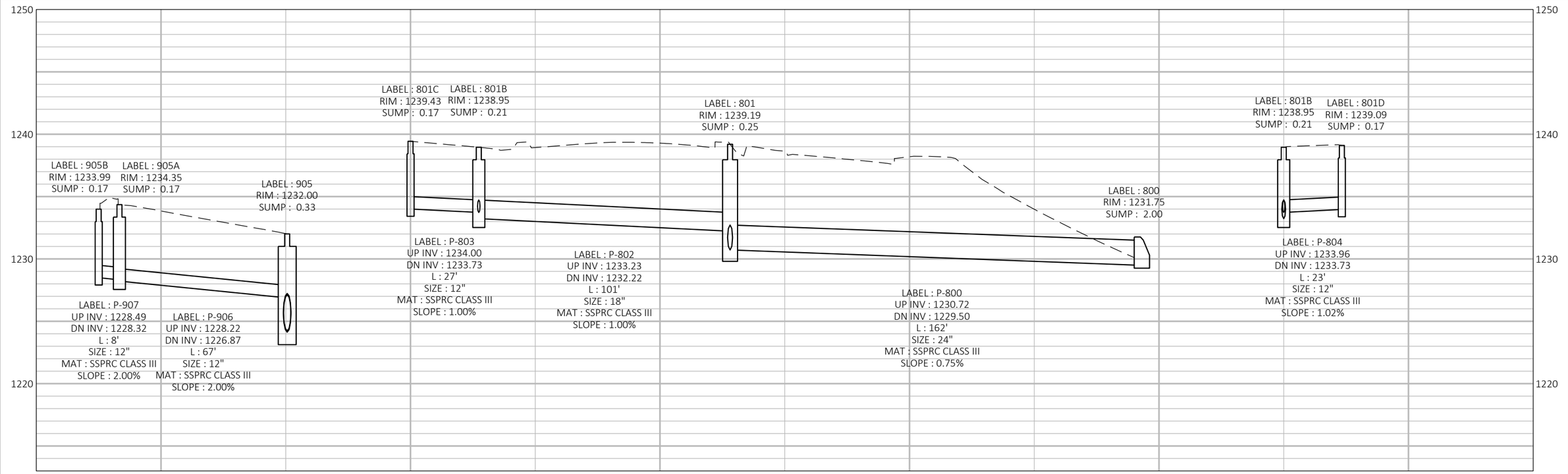




PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STORM SEWER	SHEET 146	E

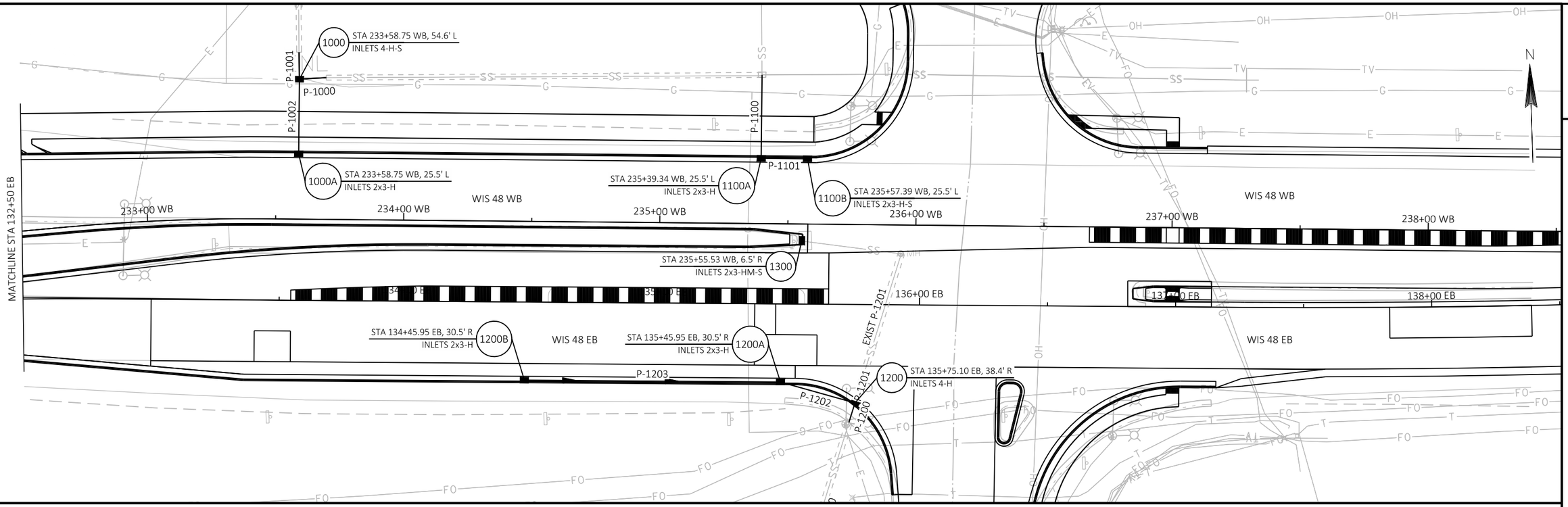


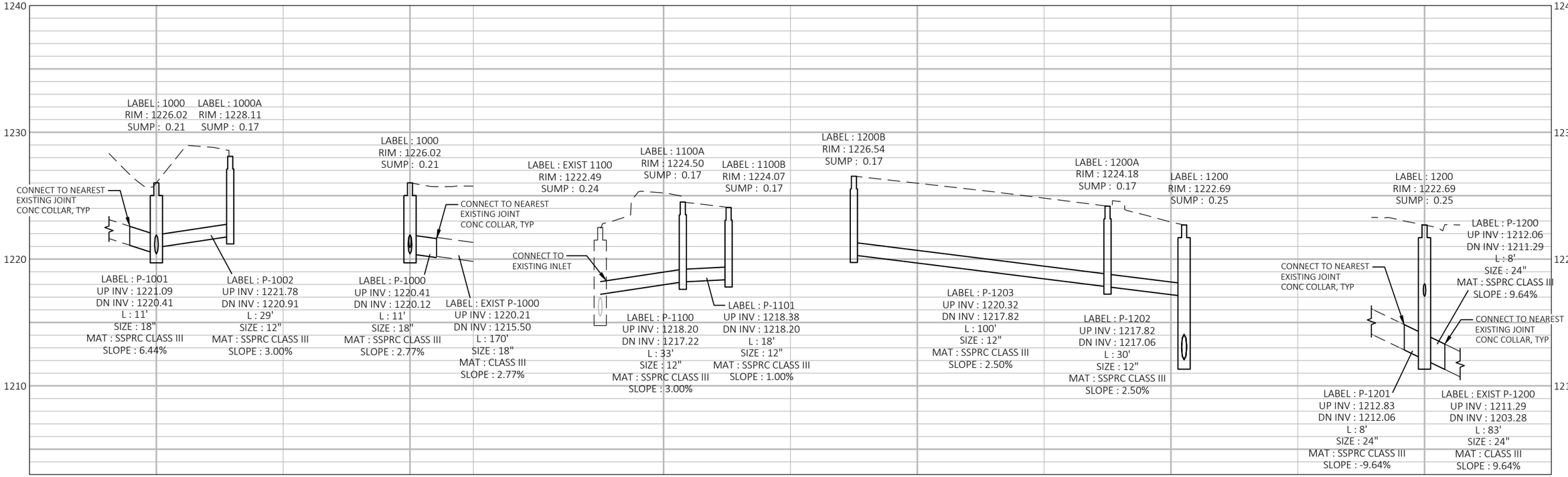




PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STORM SEWER	SHEET 147	E

2



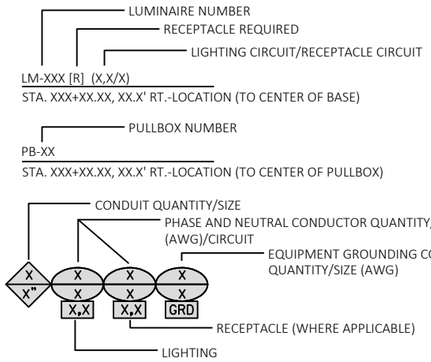


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STORM SEWER	SHEET 148	E

2

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PROPOSED DOUBLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5 W/ RECEPTACLE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24



GENERAL NOTES:

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE, NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

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

ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

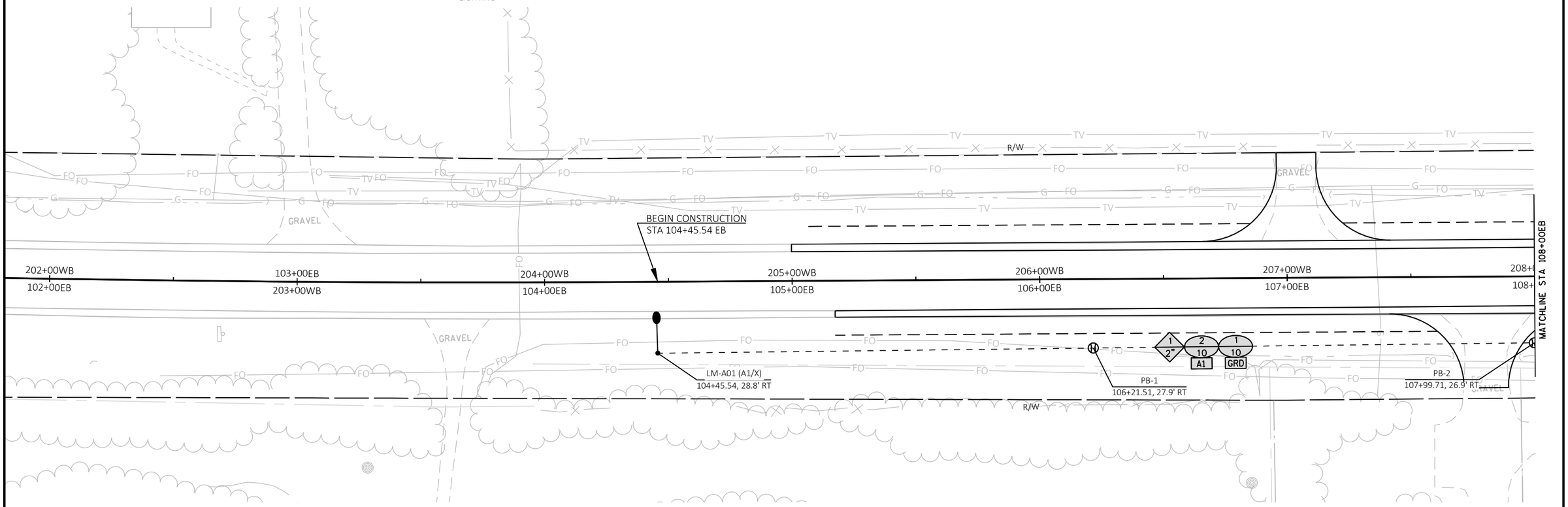
LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399

N

2

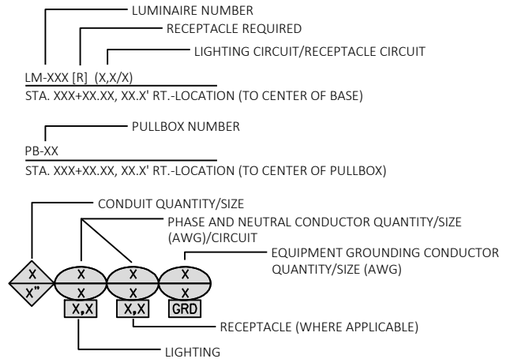


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	LIGHTING PLAN	SHEET 149	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023501_LP.DWG
LAYOUT NAME - 023501_lp
PLOT DATE : 7/24/2019 11:59 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PROPOSED DOUBLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5 W/ RECEPTACLE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24



GENERAL NOTES:

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE, NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

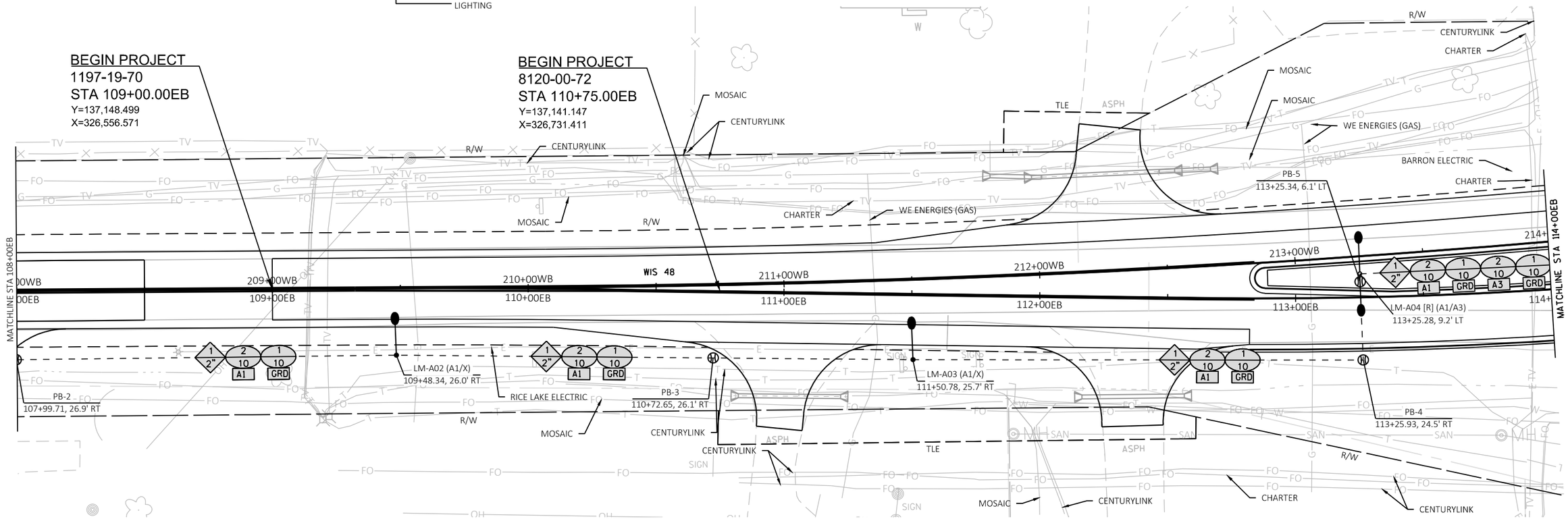
STATION/OFFSET MEASURED TO CENTER OF CONCRETE BASE AND POLE.

ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399



LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PROPOSED DOUBLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5 W/ RECEPTACLE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24

LM-XXX [R] (X,X/X)
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)
- LUMINAIRE NUMBER
- RECEPTACLE REQUIRED
- LIGHTING CIRCUIT/RECEPTACLE CIRCUIT

PB-XX
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF PULLBOX)
- PULLBOX NUMBER

- CONDUIT QUANTITY/SIZE
- PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
- RECEPTACLE (WHERE APPLICABLE)
- LIGHTING

N

TO LM-A15

MATCHLINE STA 706+60WN

WEST AVE

PB-15
116+47.39, 157.4' LT

PB-14
117+32.31, 200.2' LT

LM-A13 (A2/X)
118+30.63, 170.6' LT

LM-A14 (A2/X)
116+42.41, 100.2' LT

LM-A12 (A2/X)
118+49.43, 92.0' LT

BARRON ELECTRIC

WE ENERGIES (GAS)

CHARTER

CENTURYLINK

MOSAIC

R/W

TLE

CITY OF RICE LAKE

PB-13
118+77.59, 45.3' LT

MATCHLINE STA 114+00EB

215+00WB

216+00WB

217+00WB

218+00WB

219+00WB

220

WIS 48

LM-A05 [R] (A1/A3)
115+16.11, 9.7' LT

LM-A06 [R] (A1/A3)
116+37.55, 17.9' LT

PB-6
116+37.92, 13.0' LT

115+00EB

116+00EB

117+00EB

118+00EB

119+00EB

120+00EB

MATCHLINE STA 120+00EB

RICE LAKE ELECTRIC

LM-A11 [R] (A2/A4)
118+79.60, 10.6' LT

PB-12
118+78.34, 6.3' LT

END PROJECT 8120-00-72
STA 119+00.00EB

PB-7
116+42.23, 25.5' RT

LM-A07 (A1/X)
116+94.85, 48.6' RT

PB-8
117+06.85, 38.5' RT

LM-A08 (A1/X)
117+86.55, 39.7' RT

PB-10
117+83.77, 41.6' RT

PB-11
118+68.57, 23.3' RT

CONTROL CABINET
CB1

PB-9
117+67.87, 28.8' RT

LM-A09 (A1/X)
117+60.29, 69.5' RT

MATCHLINE STA 703+40WN

TO LM-A10

GENERAL NOTES:

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE. NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

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

ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAY ENTRANCES. WHERE SCHEDULE 80 SHALL BE USED.

LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	LIGHTING PLAN	SHEET 151	E

2

GENERAL NOTES:

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE, NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

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LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399

N

MOSAIC
CCI SYSTEMS
PB-10
121+22.36, 87.0' LT
PB-18
123+34.57, 148.1' LT
LM-A18 (A2/X)
122+01.19, 103.8' LT
R/W
PB-17
121+73.90, 58.3' LT
MOSAIC
CENTURYLINK
PB-16
121+75.22, 25.9' LT
WIS 48
221+00WB
222+00WB
223+00WB
224+00WB
225+00WB
226+00WB
120+00EB
121+00EB
122+00EB
123+00EB
124+00EB
125+00EB
126+00EB
MATCHLINE STA 120+00EB
MATCHLINE STA 126+00EB
RICE LAKE ELECTRIC
LM-A16 [R] (A2/A4)
120+56.78, 10.6' LT
LM-A17 [R] (A2/A4)
121+75.84, 15.0' LT
TO LM-A19
& LM-A20
MATCHLINE STA 601+50D
US 53 SB
OFF RAMP D
PB-19
123+72.76, 127.5' LT
LM-A21 (A2/X)
122+37.60, 156.4' LT
LM-A22 (B1/X)
124+01.46, 87.2' LT
CITY OF RICE LAKE
WE ENERGIES (GAS)
LM-A23 [R] (B1/B3)
124+13.78, 15.5' LT
PB-21
124+11.68, 12.4' LT
LM-A29 [R] (B1/B3)
125+09.20, 13.4' LT
PB-22
123+82.09, 32.9' RT
LM-A24 (B1/X)
123+61.76, 42.6' RT
CENTURYLINK
US 53 SB
LM-A28 (B1/X)
121+25.85, 66.9' RT
CCI SYSTEMS
CENTURYLINK
MOSAIC
LM-A25 (B1/X)
122+97.73, 32.1' RT
PB-23
122+85.34, 40.6' RT
PB-24
122+67.66, 67.0' RT
CCI SYSTEMS
CCI SYSTEMS
US 53 SB ON RAMP C
MATCHLINE STA 508+35C
TO LM-A26

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PROPOSED DOUBLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5 W/ RECEPTACLE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24

LUMINAIRE NUMBER
RECEPTACLE REQUIRED
LIGHTING CIRCUIT/RECEPTACLE CIRCUIT
LM-XXX [R] (X,X/X)
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

PULLBOX NUMBER
PB-XX
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF PULLBOX)

CONDUIT QUANTITY/SIZE
PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
RECEPTACLE (WHERE APPLICABLE)
LIGHTING

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	LIGHTING PLAN	SHEET 152	E

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
- PROPOSED DOUBLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5 W/ RECEPTACLE
- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24

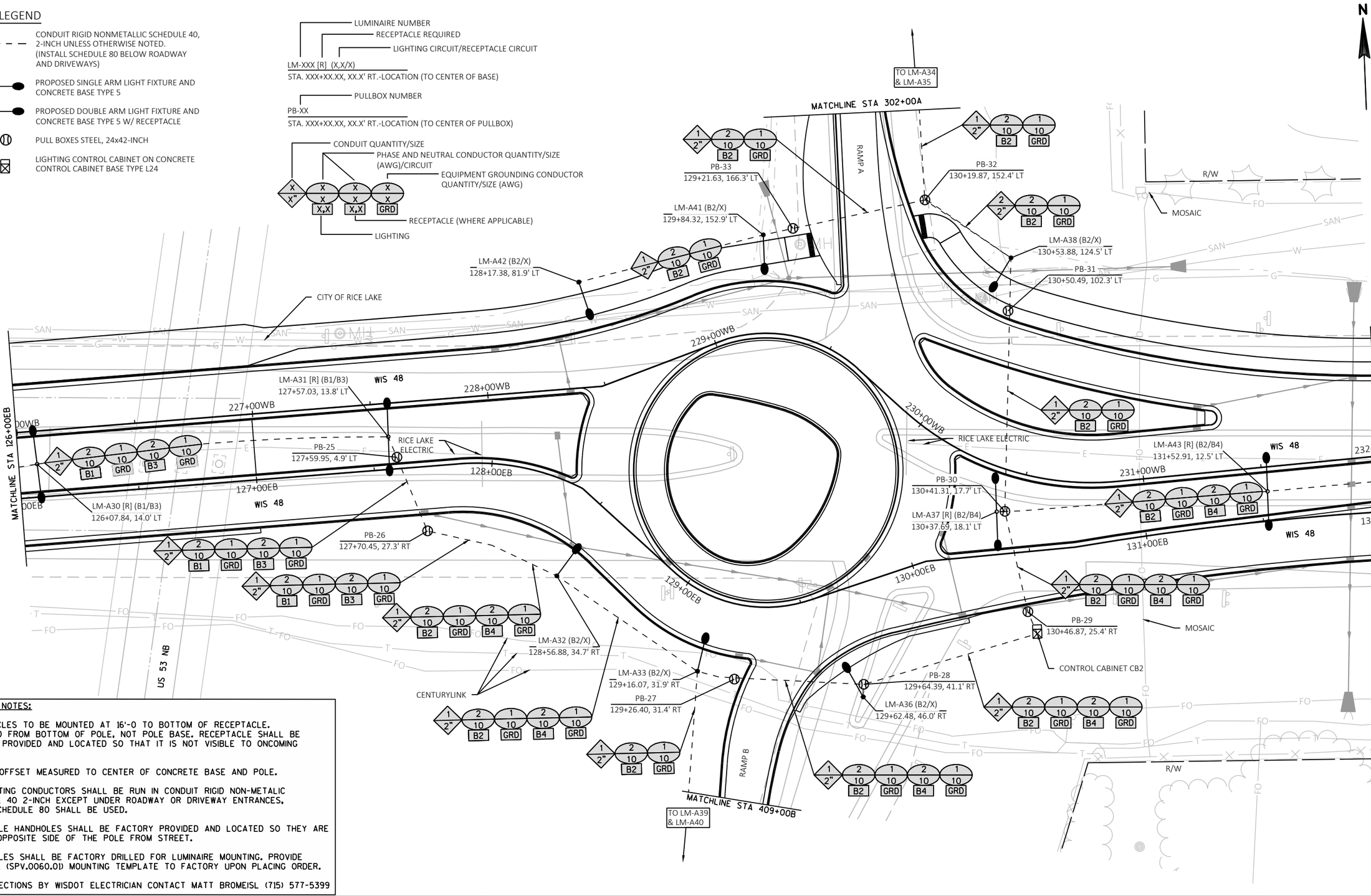
LM-XXX [R] (X,X/X)
- LUMINAIRE NUMBER
- RECEPTACLE REQUIRED
- LIGHTING CIRCUIT/RECEPTACLE CIRCUIT

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

PB-XX
- PULLBOX NUMBER

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF PULLBOX)

- CONDUIT QUANTITY/SIZE
- PHASE AND NEUTRAL CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
- EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
- RECEPTACLE (WHERE APPLICABLE)
- LIGHTING



GENERAL NOTES:

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE. NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

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

ALL LIGHTING CONDUCTORS SHALL BE RUN IN CONDUIT RIGID NON-METALIC SCHEDULE 40 2-INCH EXCEPT UNDER ROADWAY OR DRIVEWAY ENTRANCES, WHERE SCHEDULE 80 SHALL BE USED.

LIGHT POLE HANDHOLES SHALL BE FACTORY PROVIDED AND LOCATED SO THEY ARE ON THE OPPOSITE SIDE OF THE POLE FROM STREET.

LIGHT POLES SHALL BE FACTORY DRILLED FOR LUMINAIRE MOUNTING. PROVIDE LUMINAIRE (SPV.0060.01) MOUNTING TEMPLATE TO FACTORY UPON PLACING ORDER.

FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	LIGHTING PLAN	SHEET 153	E

GENERAL NOTES:

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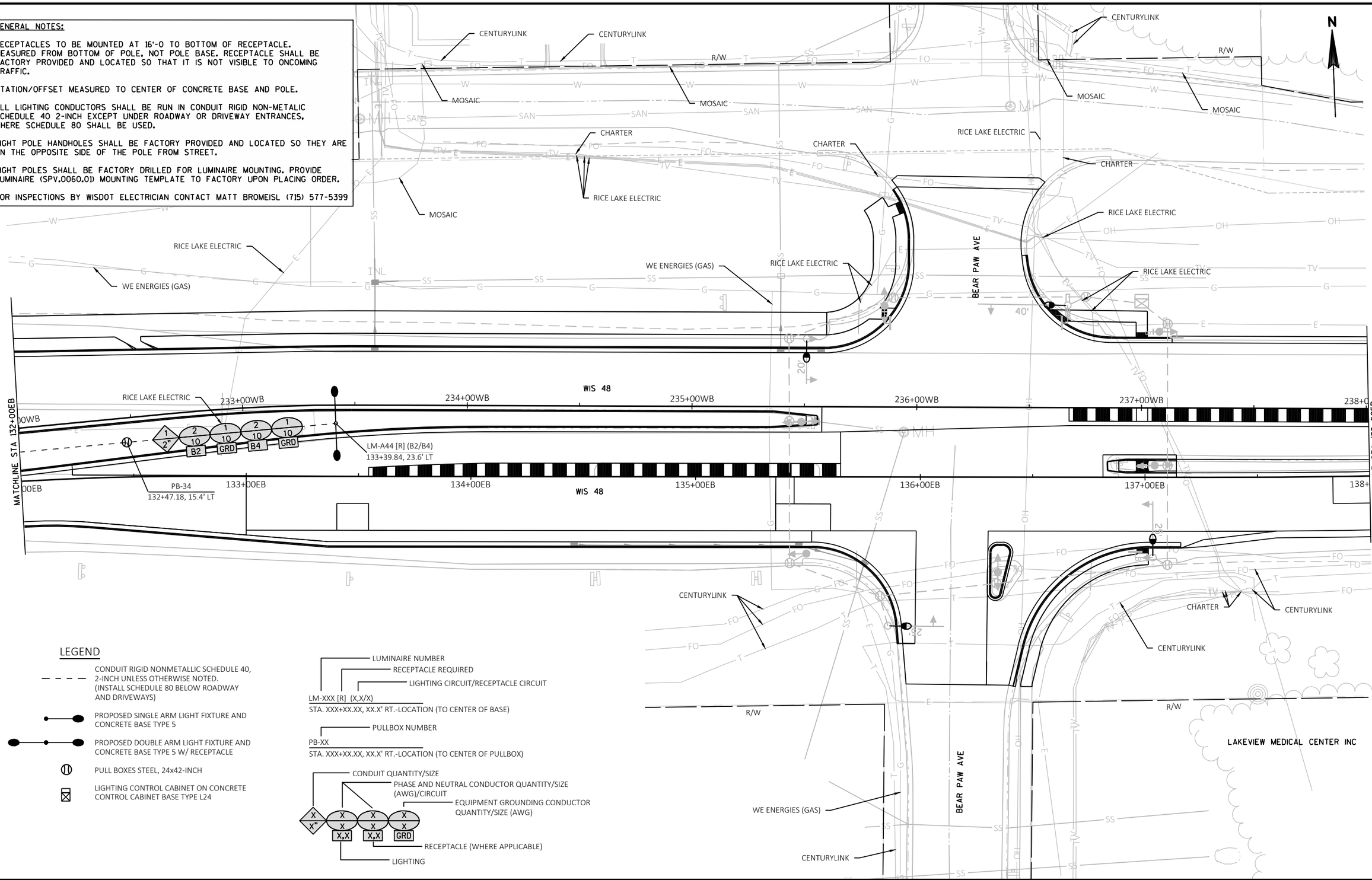
FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399



LEGEND

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- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
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- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24

LM-XXX [R] (X,X/X)
- LUMINAIRE NUMBER
- RECEPTACLE REQUIRED
- LIGHTING CIRCUIT/RECEPTACLE CIRCUIT

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

PB-XX
- PULLBOX NUMBER

STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF PULLBOX)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	LIGHTING PLAN	SHEET 154	E

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
- PROPOSED SINGLE ARM LIGHT FIXTURE AND CONCRETE BASE TYPE 5
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- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24

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

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

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

X / X" | X / X | X / X | X,X | GRD

GENERAL NOTES:

RECEPTACLES TO BE MOUNTED AT 16'-0 TO BOTTOM OF RECEPTACLE. MEASURED FROM BOTTOM OF POLE, NOT POLE BASE. RECEPTACLE SHALL BE FACTORY PROVIDED AND LOCATED SO THAT IT IS NOT VISIBLE TO ONCOMING TRAFFIC.

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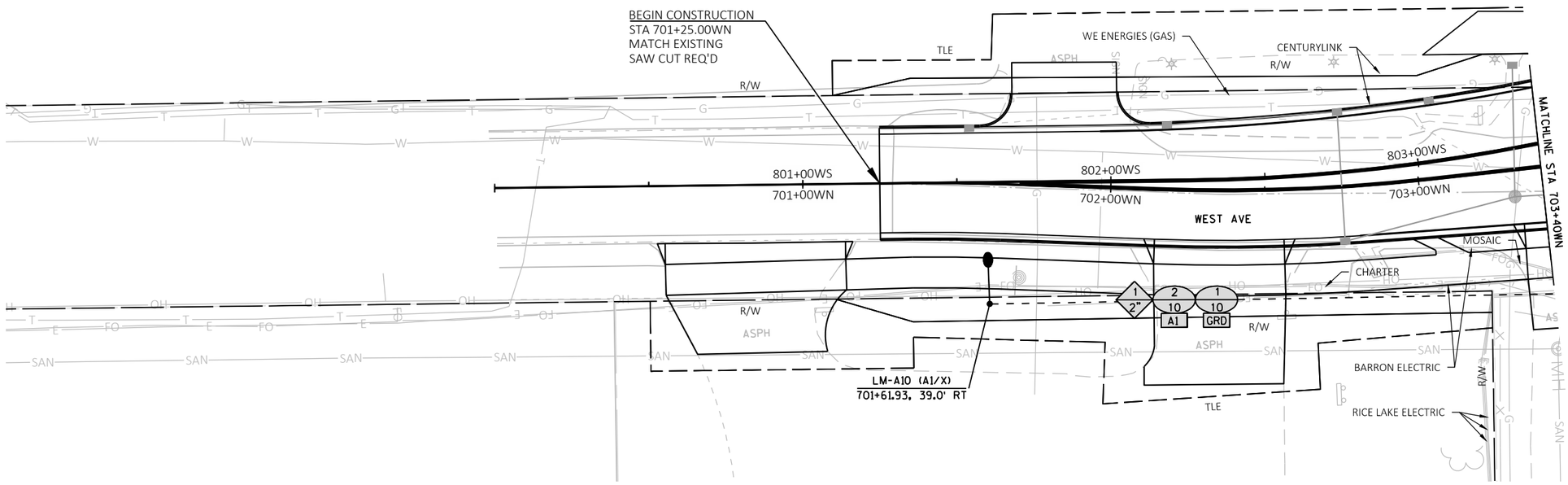
FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	LIGHTING PLAN	SHEET 155	E

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
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- PULL BOXES STEEL, 24x42-INCH
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LUMINAIRE NUMBER
LIGHTING CIRCUIT/RECEPTACLE CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

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

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

X / X" | X / X | X / X | X,X | GRD

GENERAL NOTES:

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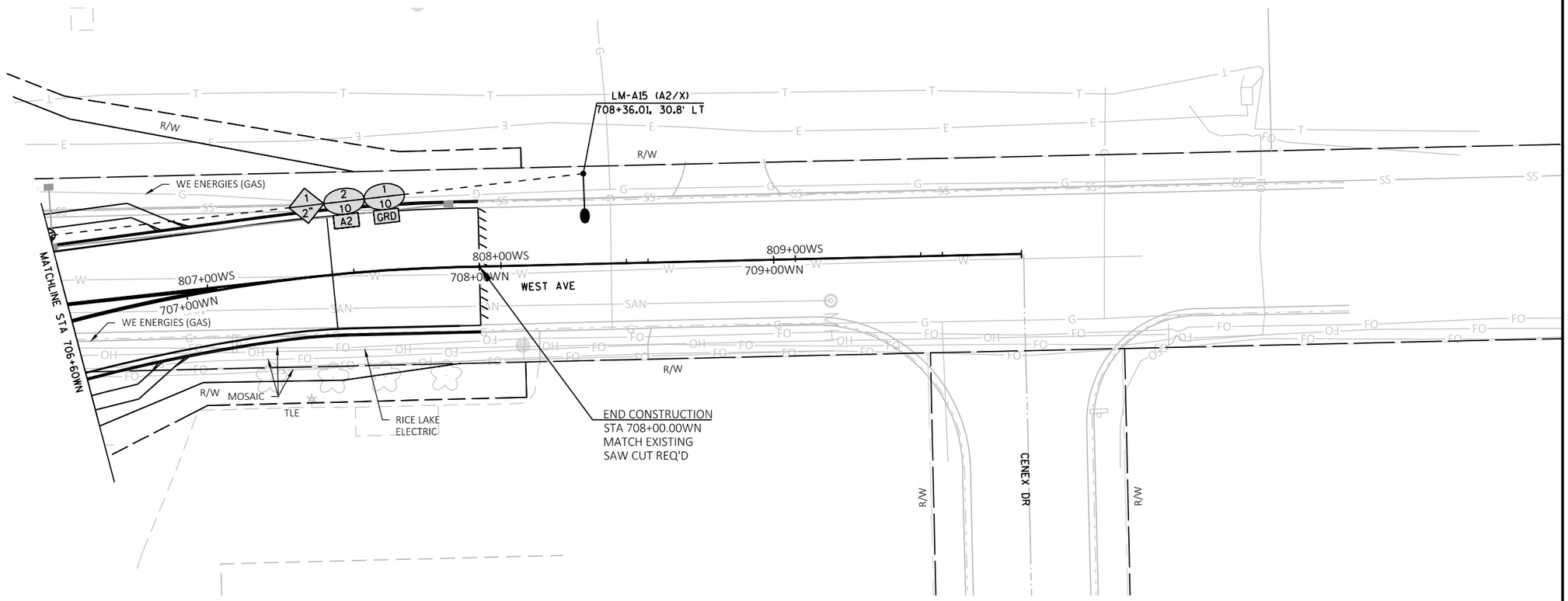

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	LIGHTING PLAN	SHEET 156	E

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
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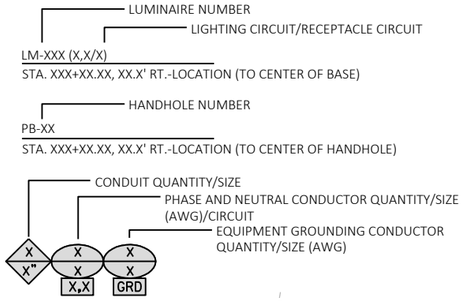

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FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399

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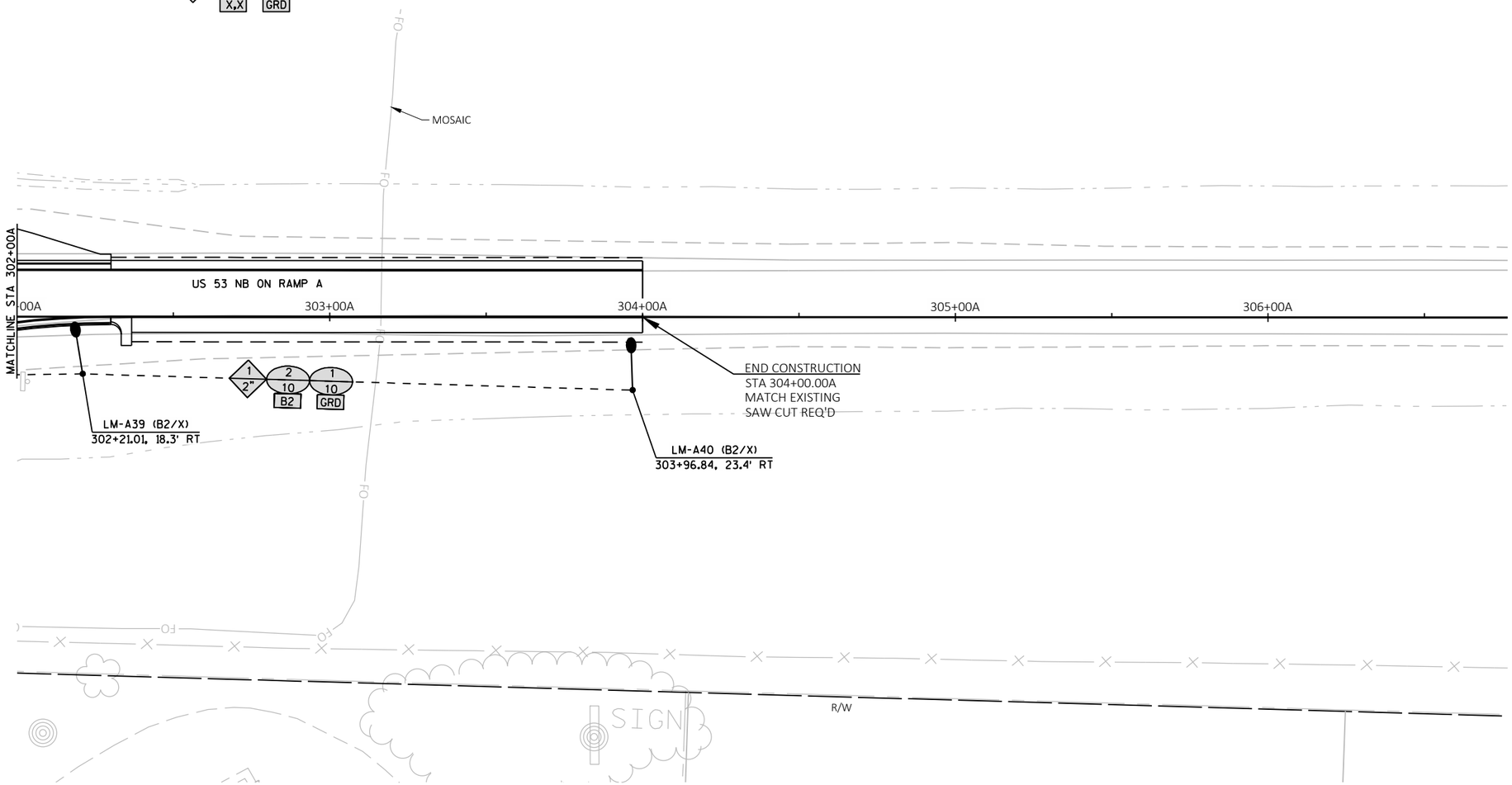

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	LIGHTING PLAN	SHEET 157	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023501_LP-SIDE RDS.DWG
LAYOUT NAME - 023509_lp-Side Rds
PLOT DATE : 7/24/2019 12:01 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

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- PULL BOXES STEEL, 24x42-INCH
- LIGHTING CONTROL CABINET ON CONCRETE CONTROL CABINET BASE TYPE L24

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

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

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

X, X", X, X, X,X, X, GRD

GENERAL NOTES:

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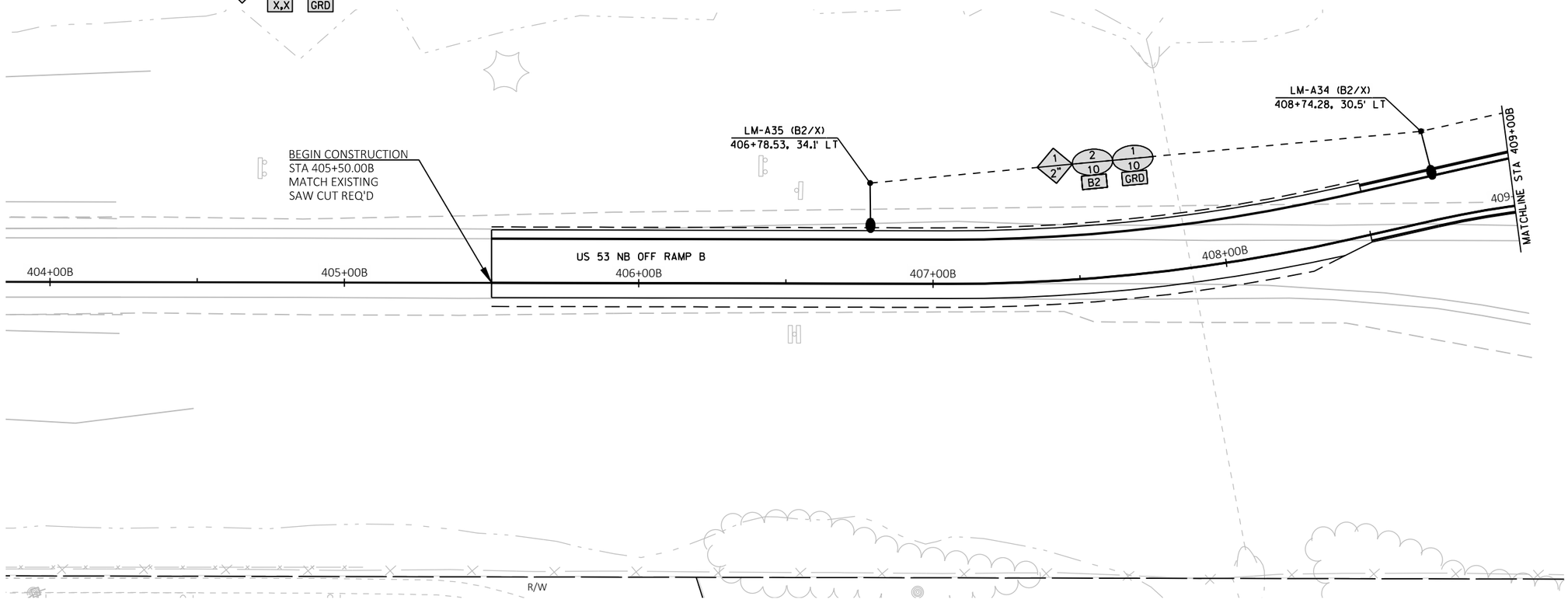

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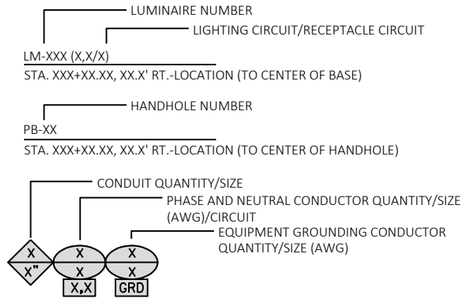

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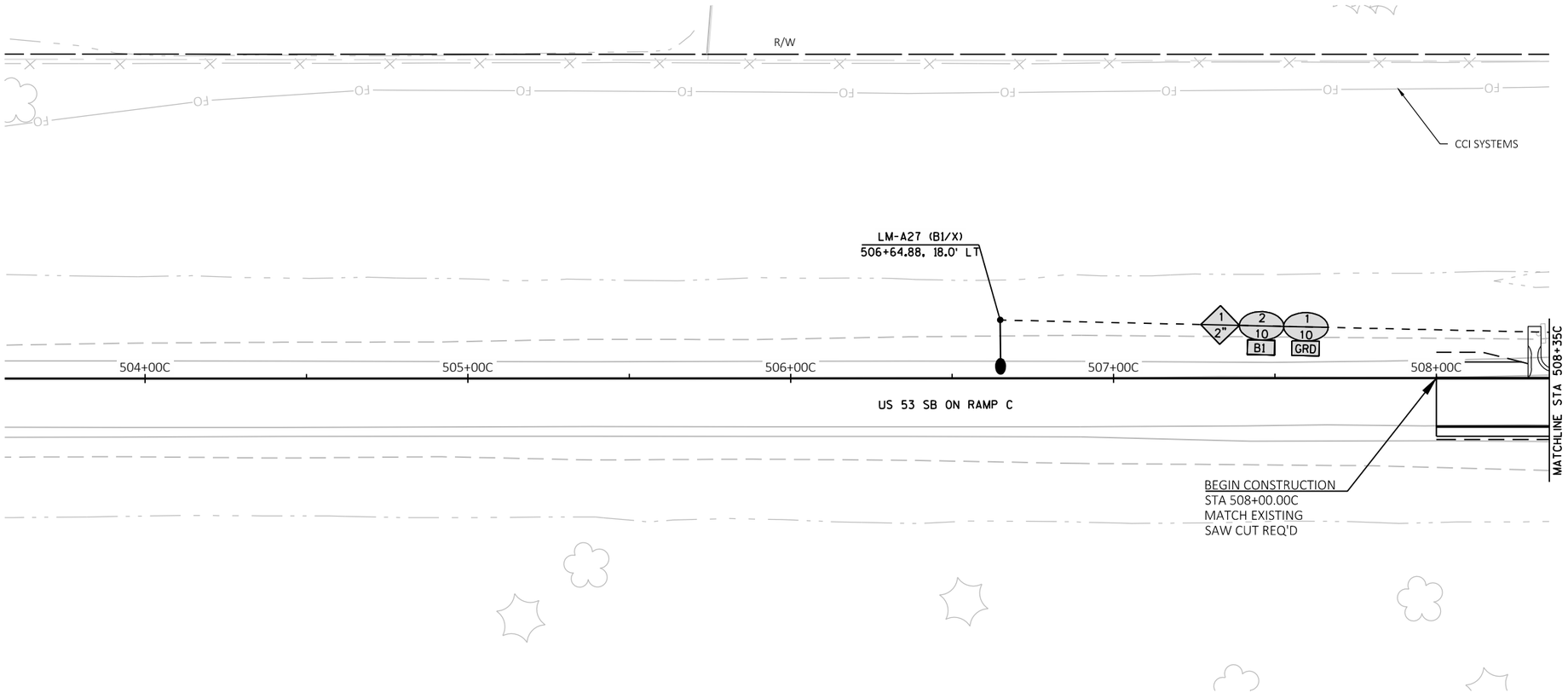

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	LIGHTING PLAN	SHEET 159	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023501_LP-SIDE RDS.DWG
LAYOUT NAME - 023511_lp-Side Rds
PLOT DATE : 7/24/2019 12:02 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH UNLESS OTHERWISE NOTED. (INSTALL SCHEDULE 80 BELOW ROADWAY AND DRIVEWAYS)
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LUMINAIRE NUMBER
LIGHTING CIRCUIT/RECEPTACLE CIRCUIT
LM-XXX (X,X/X)
STA. XXX+XX.XX, XX.X' RT.-LOCATION (TO CENTER OF BASE)

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

X / X" | X / X | X / X | X,X | GRD

GENERAL NOTES:

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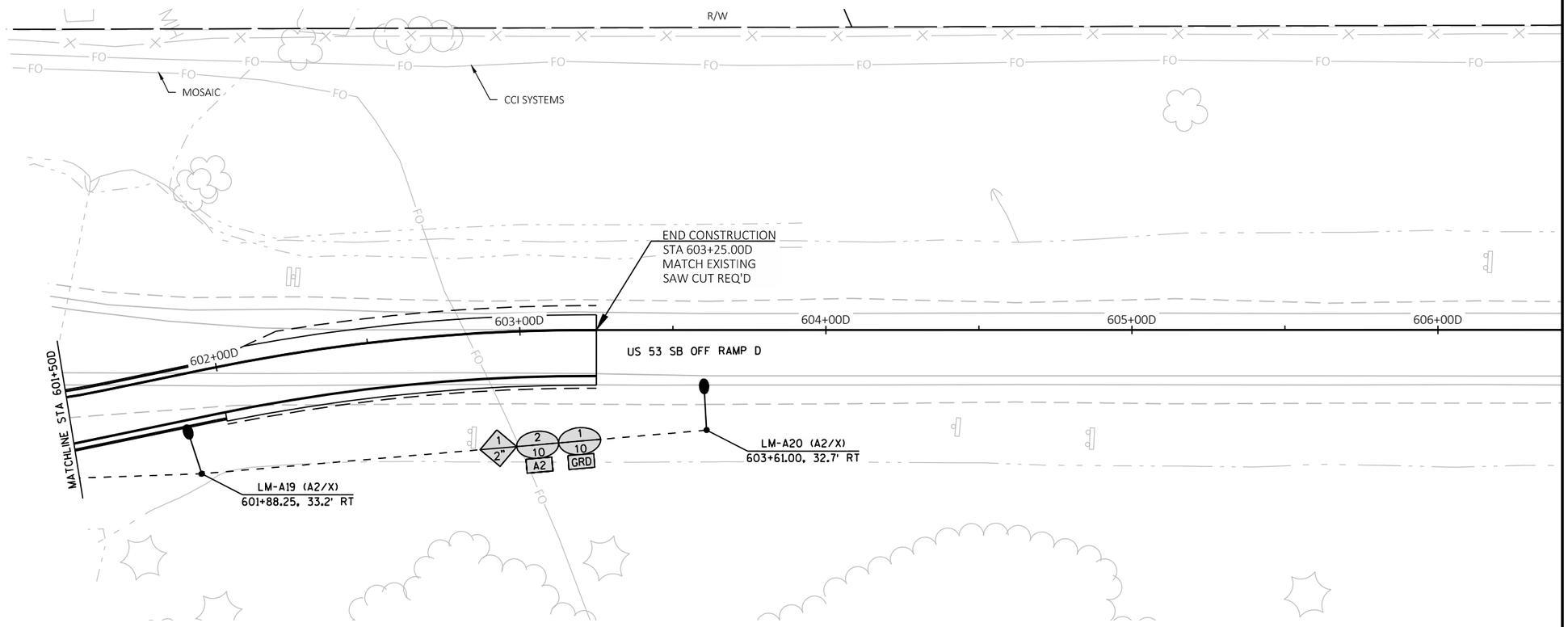
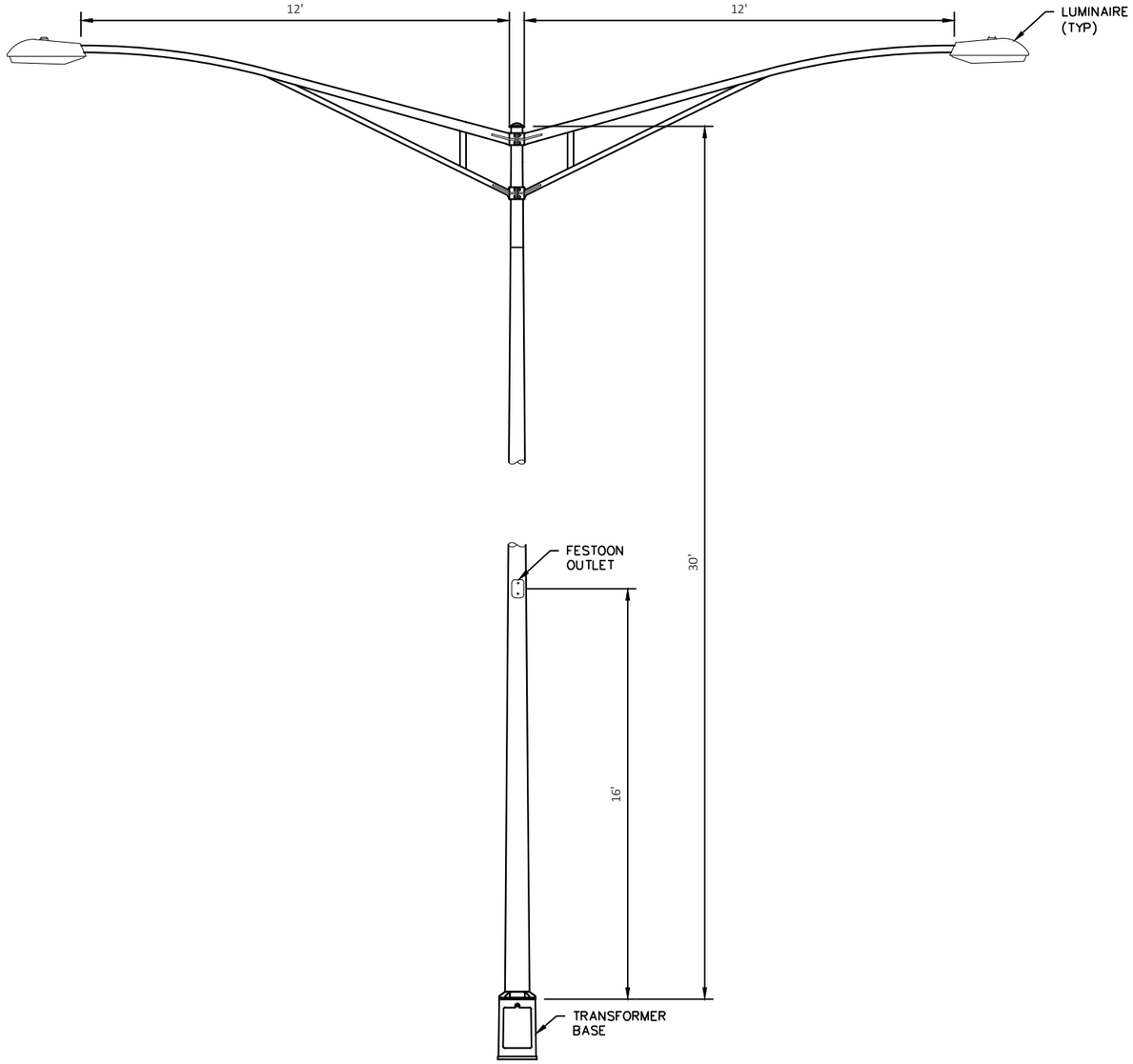
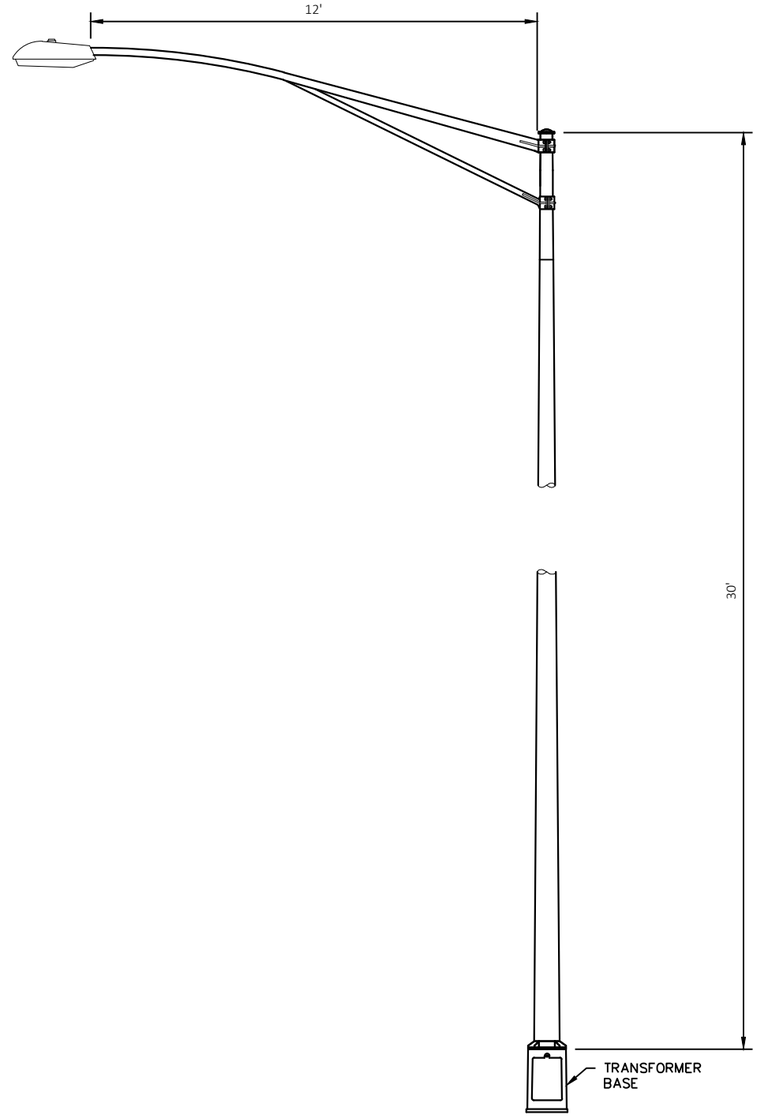
FOR INSPECTIONS BY WISDOT ELECTRICIAN CONTACT MATT BROMEISL (715) 577-5399





MEDIAN DOUBLE ARM/ LUMINAIRE LIGHTING ASSEMBLY

(FESTOON OUTLET ON MEDIAN DOUBLE LUMINAIRE ASSEMBLIES ONLY)



SINGLE ARM/LUMINAIRE LIGHTING ASSEMBLY

2

LEGEND

- CONTROL CABINET
- OH — OVERHEAD SPAN WIRE
- XX — SIGNAL HEAD NUMBER
- CLASS IV WOOD POLE
- SIGNAL HEAD OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- APPROXIMATE DETECTION ZONE
- LANE DESIGNATION FOR INFO ONLY
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- WORK AREA
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- TEMPORARY STOP BAR

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET AND HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNALS SHALL BE PLACED BETWEEN THE SIGN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715-577-5399) SHALL BE NOTIFIED 3 WORKING DAYS BEFORE SWITCH TO TEMPORARY SIGNALS.
5. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
6. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.

N

WEST AVE

WIS 48

CAUTION

WP01 WP02 WP03 WP04

TCB1

TEMPORARY SIGNALS

19+00S2 20+00S2 21+00S2 22+00S2 23+00S2 24+00S2 25+

114+00EB 115+00EB 116+00EB 117+00EB 118+00EB 119+00EB 120+00EB

12+00 13+00 14+00 15+00

SLOPE INTERCEPT

R/W TLE

SUMMARY OF MATERIALS	
CLASS IV WOOD POLES	4
HEADS	12
GUYWIRES	8
250W HPS LUMINAIRES	4
LUMINAIRE ARM	4
TEMPORARY CONTROL CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER	1
BREAKER PEDESTAL	1
WATERPROOF SPLICE BOX	1

TEMPORARY TRAFFIC CONTROL SIGNAL
WIS 48 & WEST AVE
CITY OF RICE LAKE
BARRON COUNTY

SIGNAL NO. N/A

DESIGNED BY: MEAD & HUNT

PAGE 1 OF 2

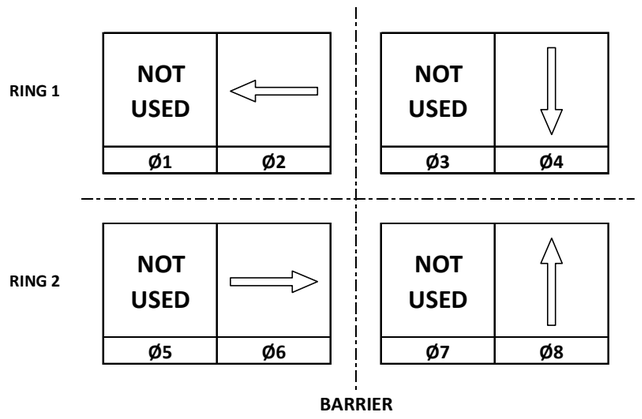
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TEMPORARY SIGNAL PLAN STAGE 2A	SHEET 162	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP - TEMP 2A.DWG
LAYOUT NAME - 024002_sp - Temp 2a West Ave

PLOT DATE : 7/24/2019 12:03 PM PLOT BY : DAVID YAHNKE PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	7,8,9	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	10,11,12	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NOT A CALL SHALL BE SKIPPED
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3. SIGNAL WILL DWELL IN PHASES 2 & 6

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
41								PLAN LOOP DETECTOR*(S)
4								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
81								PLAN LOOP DETECTOR*(S)
8								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 & WEST AVENUE

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 2

LEGEND

- CONTROL CABINET
- OH — OVERHEAD SPAN WIRE
- XX — SIGNAL HEAD NUMBER
- CLASS IV WOOD POLE
- SIGNAL HEAD OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- APPROXIMATE DETECTION ZONE
- LANE DESIGNATION FOR INFO ONLY
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- WORK AREA
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- TEMPORARY STOP BAR

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET AND HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNALS SHALL BE PLACED BETWEEN THE SIGN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715-577-5399) SHALL BE NOTIFIED 3 WORKING DAYS BEFORE SWITCH TO TEMPORARY SIGNALS.
5. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
6. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
7. ADJUST TEMPORARY SIGNAL WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCO REQUIREMENTS.

N

WP01 WP02 WP03 WP04

EXISTING STOP BAR

SLOPE INTERCEPT

TEMPORARY SIGNALS

US 53 SB OFF RAMP D

US 53 SB ON RAMP C

US 53 SB

WIS 48

25+00 30+00 120+00EB 125+00EB

SUMMARY OF MATERIALS	
CLASS IV WOOD POLES	4
HEADS	12
GUYWIRES	8
250W HPS LUMINAIRES	4
LUMINAIRE ARM	4
TEMPORARY CONTROL CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER	1
BREAKER PEDESTAL	1
WATERPROOF SPLICE BOX	1

TRAFFIC CONTROL SIGNAL
WIS 48 & SB RAMP
CITY OF RICE LAKE
BARRON COUNTY

SIGNAL NO. N/A

DESIGNED BY: MEAD & HUNT

PAGE 1 OF 2

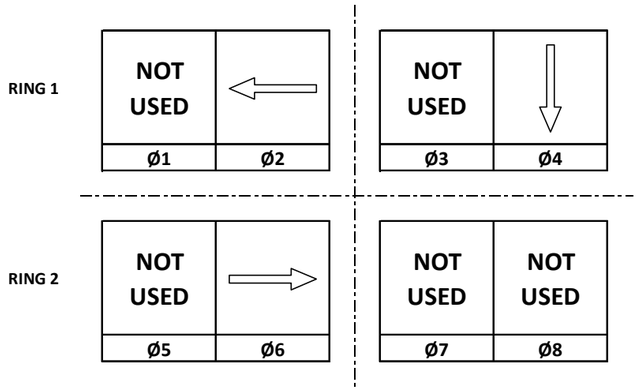
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TEMPORARY SIGNAL PLAN STAGE 2B	SHEET 164	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP - TEMP 2B.DWG
LAYOUT NAME - 024003_sp - Temp 2b 53 South

PLOT DATE : 7/24/2019 12:04 PM PLOT BY : DAVID YAHNKE PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	7,8,9	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NOT A CALL SHALL BE SKIPPED
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3. SIGNAL WILL DWELL IN PHASES 2 & 6

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									41								PLAN LOOP DETECTOR*(S)
CALLED PHASE									4								CALLED PHASE
CALL OPTION									X								CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 & USH 53 SB RAMP

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SEQUENCE OF OPERATIONS: TEMP SIGNAL PLAN STAGE 2B	SHEET NO: E

X:\3230700-1161055.01\TECH\

2

LEGEND

- CONTROL CABINET
- OH — OVERHEAD SPAN WIRE
- XX — SIGNAL HEAD NUMBER
- CLASS IV WOOD POLE
- SIGNAL HEAD OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- APPROXIMATE DETECTION ZONE
- LANE DESIGNATION FOR INFO ONLY
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- WORK AREA
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- TEMPORARY STOP BAR

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET AND HEADS SHALL BE DIRECTED BY THE ENGINEER.
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7. ADJUST TEMPORARY SIGNAL WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD REQUIREMENTS.

N

WP01 WP02 WP03 WP04 TCB2

WIS 48 15+00S3 16+00S3 17+00S3 18+00S3 19+00S3 20+00S3

220+00WB 225+00WB

US 53 SB OFF RAMP D

US 53 SB ON RAMP C

US 53 SB

R/W

TEMPORARY TRAFFIC CONTROL SIGNAL
WIS 48 & SB RAMP
CITY OF RICE LAKE
BARRON COUNTY

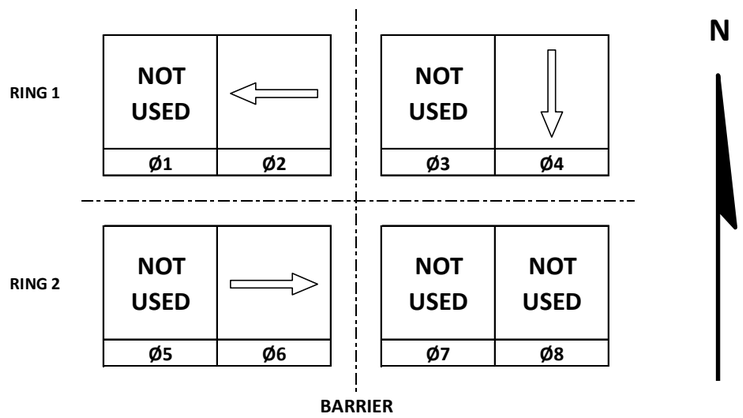
SIGNAL NO. N/A

DESIGNED BY: MEAD & HUNT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TEMPORARY SIGNAL PLAN STAGE 3A	SHEET 166	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP - TEMP 3A.DWG
LAYOUT NAME - 024003_sp - Temp 3a 53 South
PLOT DATE : 7/24/2019 12:06 PM PLOT BY : DAVID YAHNKE PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	7,8	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

GENERAL NOTES:

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DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
41								PLAN LOOP DETECTOR*(S)
4								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 & USH 53 SB RAMP

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SEQUENCE OF OPERATIONS: TEMP SIGNAL PLAN STAGE 3A	SHEET NO: E

X:\3230700-1161055.01\TECH\

2

LEGEND

- CONTROL CABINET
- OH — OVERHEAD SPAN WIRE
- XX — SIGNAL HEAD NUMBER
- CLASS IV WOOD POLE
- SIGNAL HEAD OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- APPROXIMATE DETECTION ZONE
- LANE DESIGNATION FOR INFO ONLY
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
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- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- TEMPORARY STOP BAR

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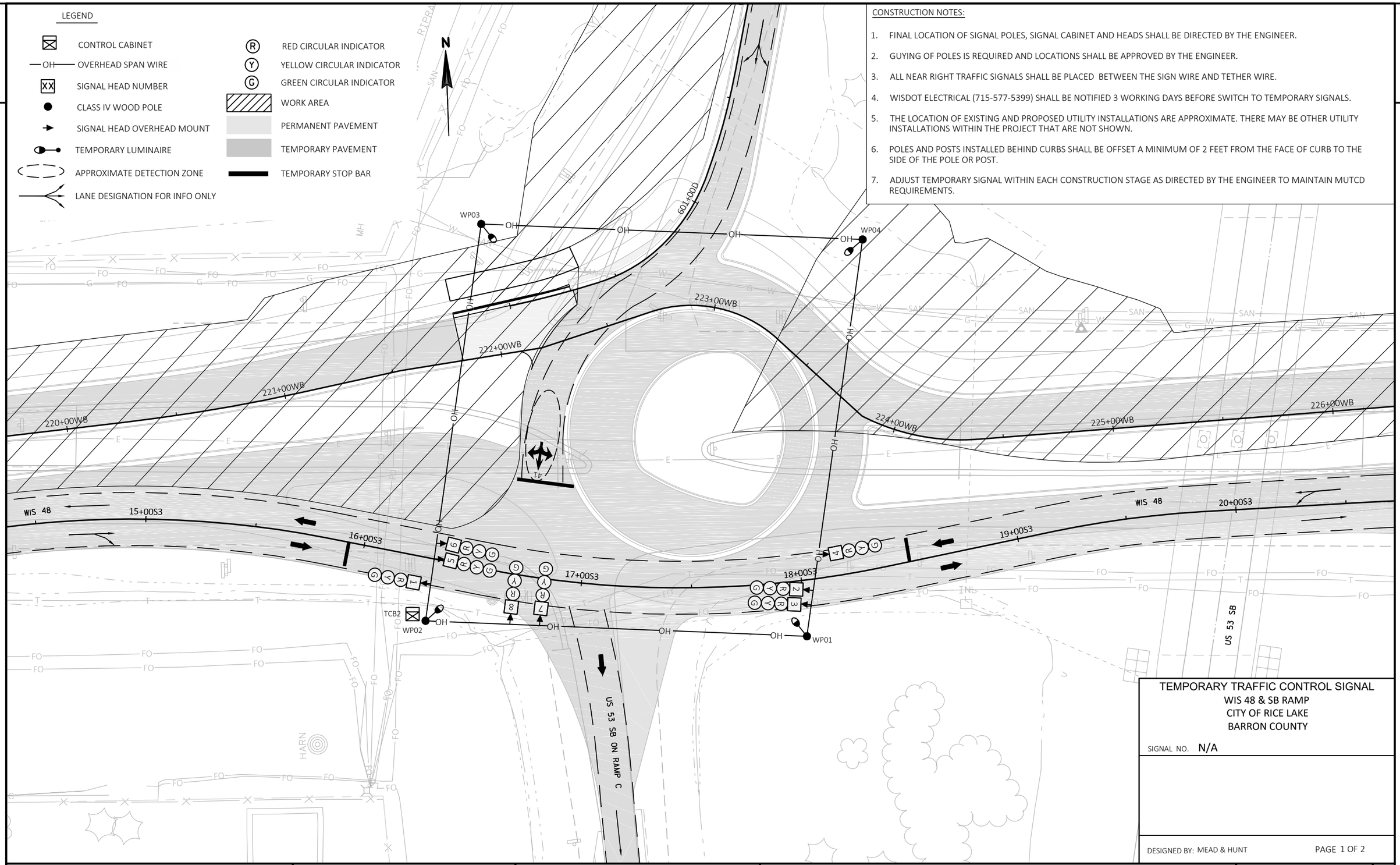


TEMPORARY TRAFFIC CONTROL SIGNAL
WIS 48 & SB RAMP
CITY OF RICE LAKE
BARRON COUNTY

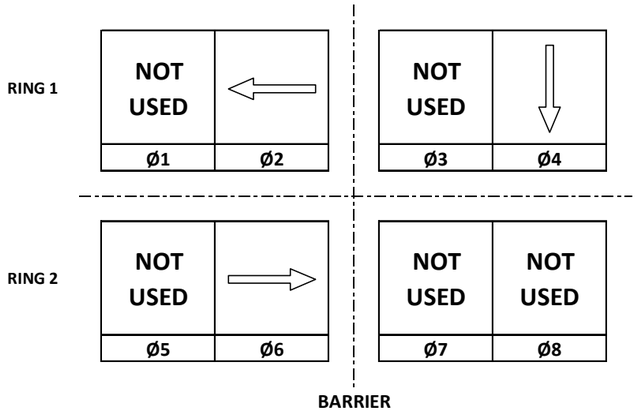
SIGNAL NO. N/A

DESIGNED BY: MEAD & HUNT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TEMPORARY SIGNAL PLAN STAGE 3B	SHEET 168	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP - TEMP 3B.DWG
LAYOUT NAME - 024003_sp - Temp 3b 53 South
PLOT DATE : 7/24/2019 12:07 PM
PLOT BY : DAVID YAHNKE
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	7,8	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

GENERAL NOTES:

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DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
41								PLAN LOOP DETECTOR*(S)
4								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 & USH 53 SB RAMP

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 2

PROJECT NO: 1197-19-70 | HWY: USH 53 | COUNTY: BARRON | SEQUENCE OF OPERATIONS: TEMP SIGNAL PLAN STAGE 3B | SHEET NO: E

X:\3230700-1161055.01\TECH\

LEGEND

- CONTROL CABINET
- OH — OVERHEAD SPAN WIRE
- XX — SIGNAL HEAD NUMBER
- CLASS IV WOOD POLE
- SIGNAL HEAD OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- APPROXIMATE DETECTION ZONE
- LANE DESIGNATION FOR INFO ONLY
- (R) RED CIRCULAR INDICATOR
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- TEMPORARY PAVEMENT
- TEMPORARY STOP BAR

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WP03 — WP04 — WP01 — WP02

TCB2

BEAR PAW AVE

WIS 48

38+00S2 39+00S2 40+00S2 41+00S2 42+00S2 43+00S2

136+00EB 137+00EB 138+00EB 139+00EB

14+00 12+00 11+00

N

TEMPORARY TRAFFIC CONTROL SIGNAL
WIS 48 & BEAR PAW AVE
CITY OF RICE LAKE
BARRON

SIGNAL NO. N/A

DESIGNED BY: MEAD & HUNT

PAGE 1 OF 2

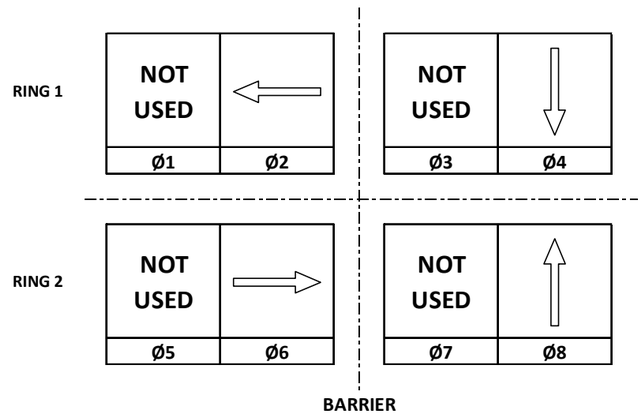
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TEMPORARY SIGNAL PLAN STAGE 2A & 2B	SHEET 170	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP - TEMP 2A.DWG
LAYOUT NAME - 024005_sp - Temp 2a & 2b Bear Paw

PLOT DATE : 7/24/2019 12:08 PM PLOT BY : DAVID YAHNKE PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	7,8	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	9,10	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

GENERAL NOTES:

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3. SIGNAL WILL DWELL IN PHASES 2 & 6

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									41								PLAN LOOP DETECTOR*(S)
CALLED PHASE									4								CALLED PHASE
CALL OPTION									X								CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									81								PLAN LOOP DETECTOR*(S)
CALLED PHASE									8								CALLED PHASE
CALL OPTION									X								CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 & BEAR PAW AVENUE

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SEQUENCE OF OPERATIONS: TEMP SIGNAL PLAN STAGE 2A & 2B	SHEET NO: E

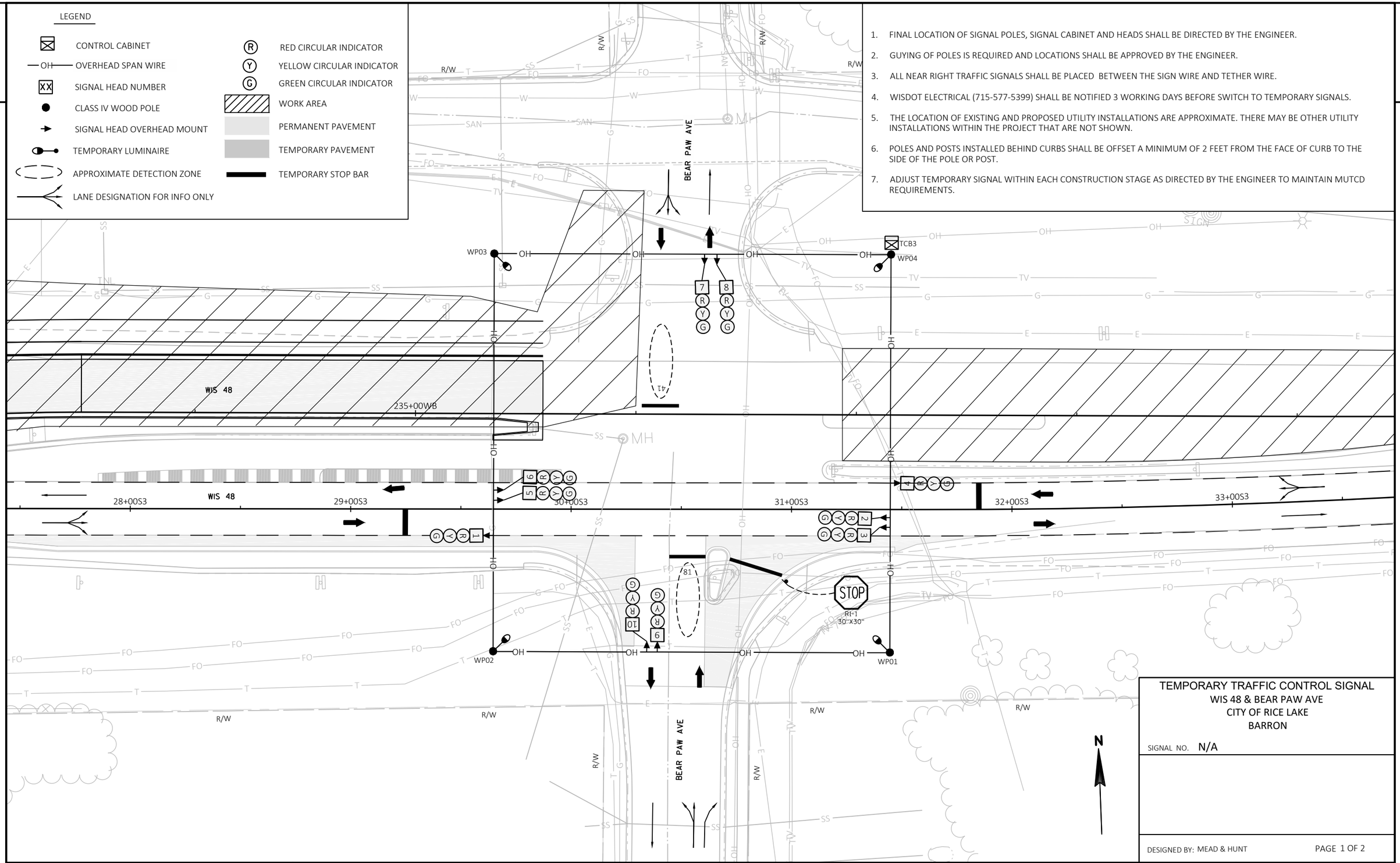
X:\3230700-1161055.01\TECH\

2

LEGEND

- CONTROL CABINET
- OH — OVERHEAD SPAN WIRE
- XX — SIGNAL HEAD NUMBER
- CLASS IV WOOD POLE
- SIGNAL HEAD OVERHEAD MOUNT
- TEMPORARY LUMINAIRE
- APPROXIMATE DETECTION ZONE
- LANE DESIGNATION FOR INFO ONLY
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- WORK AREA
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- TEMPORARY STOP BAR

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET AND HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNALS SHALL BE PLACED BETWEEN THE SIGN WIRE AND TETHER WIRE.
4. WISDOT ELECTRICAL (715-577-5399) SHALL BE NOTIFIED 3 WORKING DAYS BEFORE SWITCH TO TEMPORARY SIGNALS.
5. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT THAT ARE NOT SHOWN.
6. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
7. ADJUST TEMPORARY SIGNAL WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD REQUIREMENTS.



TEMPORARY TRAFFIC CONTROL SIGNAL
WIS 48 & BEAR PAW AVE
CITY OF RICE LAKE
BARRON

SIGNAL NO. N/A

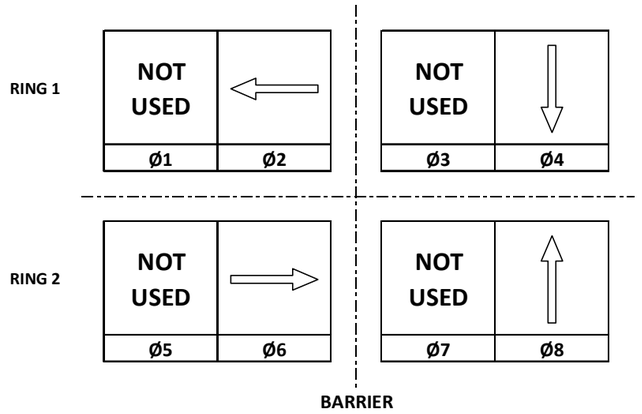
DESIGNED BY: MEAD & HUNT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TEMPORARY SIGNAL PLAN STAGE 3A & 3B	SHEET 172	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP - TEMP 3A.DWG
LAYOUT NAME - 024005_sp - Temp 3a & 3B Bear Paw

PLOT DATE : 7/24/2019 12:10 PM PLOT BY : DAVID YAHNKE PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	9,10	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	7,8	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NOT A CALL SHALL BE SKIPPED
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3. SIGNAL WILL DWELL IN PHASES 2 & 6

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
41								PLAN LOOP DETECTOR*(S)
4								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
81								PLAN LOOP DETECTOR*(S)
8								CALLED PHASE
X								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 & BEAR PAW AVENUE

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SEQUENCE OF OPERATIONS: TEMP SIGNAL PLAN STAGE 3A & 3B	SHEET NO: E

X:\3230700-1161055.01\TECH\

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- PULL BOXES STEEL 24X42-INCH
- EVP DETECTOR HEAD
- EVP DESIGNATOR
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW LEFT INDICATOR
- YA YELLOW ARROW LEFT INDICATOR
- FYA FLASHING YELLOW ARROW LEFT INDICATOR
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- SIGN ON PERMANENT SUPPORT

NOTE: ALL LENSES ARE 12-INCH

N

WIS 48

R/W

14+00

13+00

12+00

11+00

BEAR PAW AVE

CONTROLLER CB1

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10

2-3"

40'

25'

20'

POSTED SPEED 35MPH

250' - TO NEAR RIGHT SIGNAL

134+00EB 135+00EB 136+00EB 137+00EB 138+00EB 139+00EB

R1-2 36"X31"

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT WISDOT ELECTRICIAN, (715) 577-5399 AND JIM ANDERSON, CITY OF RICE LAKE COMMUNITY SERVICES DEPARTMENT DIRECTOR, (715) 234-7402.
2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES.
4. THE CONDUIT EMBEDDED IN A TYPE 10 OR TYPE 13 CONCRETE BASE SHALL BE 3" CONDUIT.
5. PROPOSED DRAINAGE STRUCTURES, DETECTABLE WARNING FIELDS AND PAVEMENT MARKINGS SHOWN GRAY SHADE FOR PLAN CLARITY.
6. CONTACT TIM AABY, RICE LAKE UTILITIES (ELECTRIC), (715) 234-7004 TO COORDINATE REMOVAL OF EXISTING LIGHTING FIXTURES.

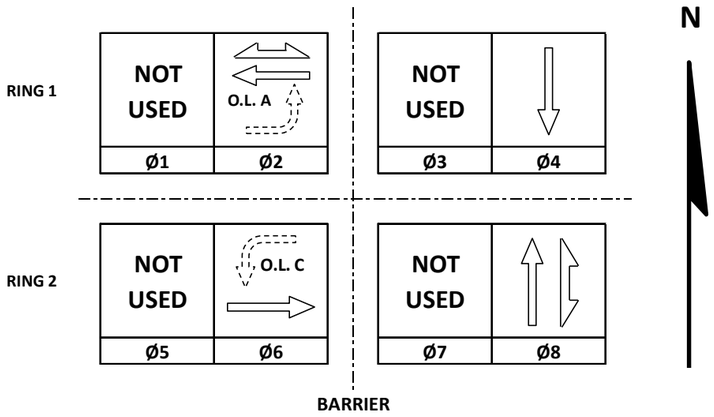
TRAFFIC CONTROL SIGNAL
WIS 48 & BEAR PAW AVENUE
CITY OF RICE LAKE
BARRON COUNTY

DESIGNED BY: MEAD & HUNT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC SIGNAL PLAN	SHEET 174	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024001_SP.DWG
LAYOUT NAME - 024005_sp
PLOT DATE : 7/25/2019 10:23 AM
PLOT BY : DAVID YAHNKE
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3,4,5	R
Ø3		
Ø4	14,15,16	R
Ø5		
Ø6	6,7,8,9,10	R
Ø7		
Ø8	11,12,13	R
Ø2P	19,20	
Ø4P		
Ø6P		
Ø8P	17,18	
OLA	4,5	R
OLB		
OLC	9,10	R
OLD		



GENERAL NOTES:

1 ANY ACTUATED PHASE FOR WHICH THERE IS NOT A CALL SHALL BE SKIPPED
2 WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
3 WHEN OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO THE PERMISSIVE LEFT TURN CONFLICTS
4 SIGNAL WILL DWELL IN PHASES 2 & 6

CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	← →	← →	↓ ↑	↓ ↑
PHASE	2+6	6+2	8+4	4+8

AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 2+6.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
21	23	42	62	81				PLAN LOOP DETECTOR*(S)
2	2	4	6	8				CALLED PHASE
	X	X	X	X				CALL OPTION
		X						DELAY TIME
X								EXTENTION OPTION
X								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
22	41	61	63					PLAN LOOP DETECTOR*(S)
2	4	6	4					CALLED PHASE
X	X		X					CALL OPTION
								DELAY TIME
		X						EXTENTION OPTION
		X						EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

TRAFFIC CONTROL SIGNAL

STH 48 (KNAPP ST) & BEAR PAW AVE

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 7/23/2019 PAGE 2 OF 3

PROJECT ID: 1197-19-70
INTERSECTION: KNAPP STREET & BEAR PAW AVENUE

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE:

CB1 TO	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASHING YEL>	<GREEN>	D/WALK	WALK		
SB1	12	6	RED	ORG	GRN								
		18								BLK	WHT		
		PB										WHT/BLK	
SB2	12	5				RED/BLK	ORG/BLK	BLK/WHT					
		9				RED/BLK	ORG/BLK	BLK/WHT					
SB3	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		17								BLK	WHT		
		PB										WHT/BLK	
SB4	12	11	RED	ORG	GRN								
		15	RED	ORG	GRN								
SB5	7	16	RED	ORG	GRN								
SB6	7	1	RED	ORG	GRN								
SB7	12	4				RED/BLK	ORG/BLK	BLK/WHT					
		10				RED/BLK	ORG/BLK	BLK/WHT					
SB8	12	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
SB9	12	12	RED	ORG	GRN								
		14	RED	ORG	GRN								
		20								BLK	WHT		
		PB										WHT/BLK	
SB10	12	13	RED	ORG	GRN								
		19								BLK	WHT		
		PB										WHT/BLK	

EQUIPMENT GROUNDING CONDUCTORES 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	SB10
SB10	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	CB1
PB2	SB2
PB3	SB3
PB4	SB4
PB5	SB5
PB6	SB6
PB7	SB7
PB8	SB8
PB9	SB9
PB10	CB1

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB3
SB3	SB5
CB1	SB10
SB10	SB8

VIDEO DETECTION CABLE 12 AWG W/GROUND	
FROM	TO
CB1	V1
CB1	V2
CB1	V3
CB1	V4

NOTES:

1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

TRAFFIC CONTROL SIGNAL

STH 48 & BEAR PAW AVE

CITY OF RICE LAKE

BARRON COUNTY

CABINET TYPE: TS2

CONTROLLER TYPE: EPAC

DATE: 4/1/2019 PAGE 3 OF 3

2

LEGEND

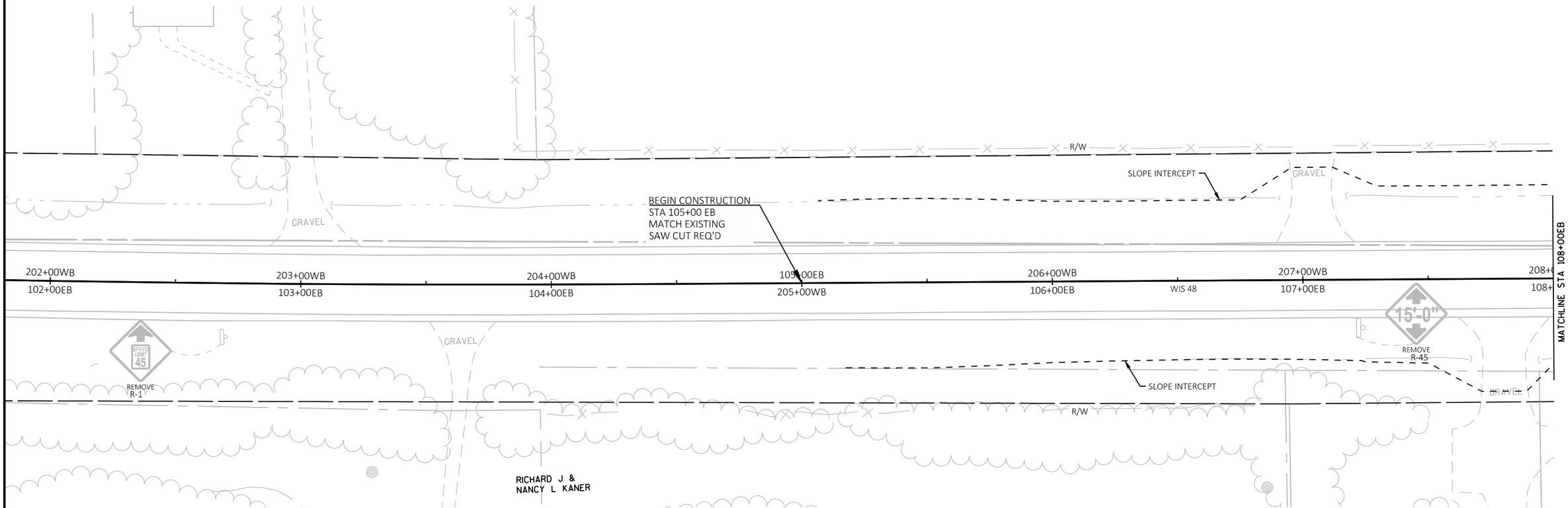
EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

* PROVIDE SIGN TO CITY

N

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 177	E

2

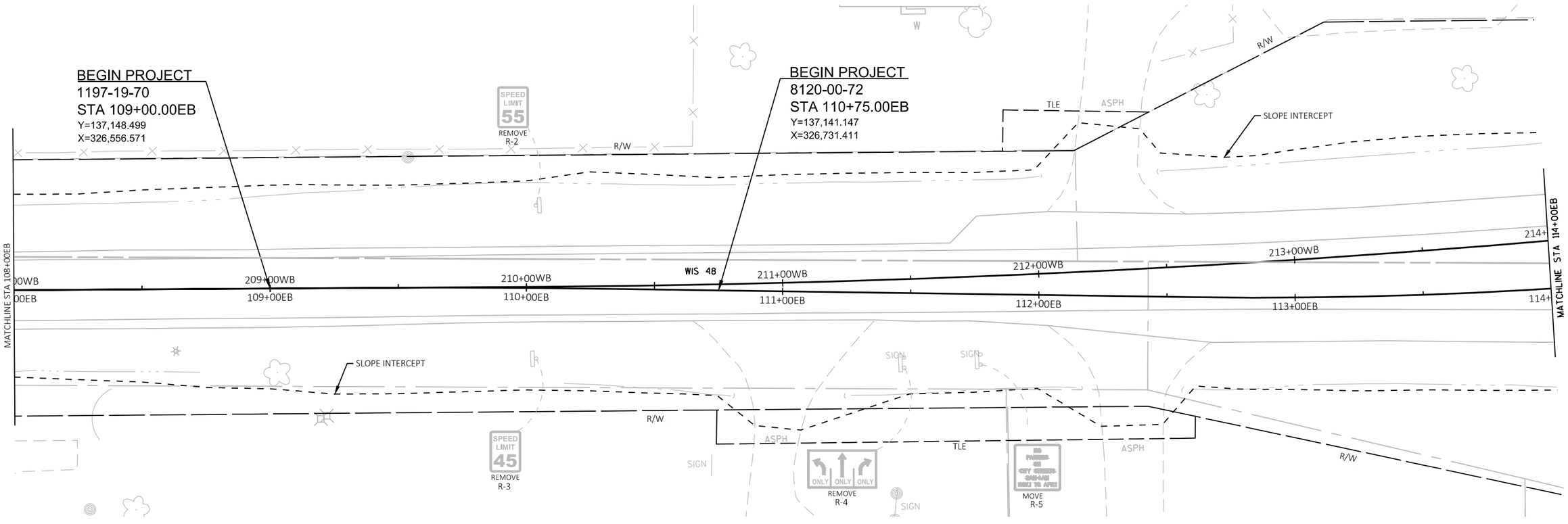
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

* PROVIDE SIGN TO CITY

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	SIGNING REMOVALS	SHEET 178	E

2

2

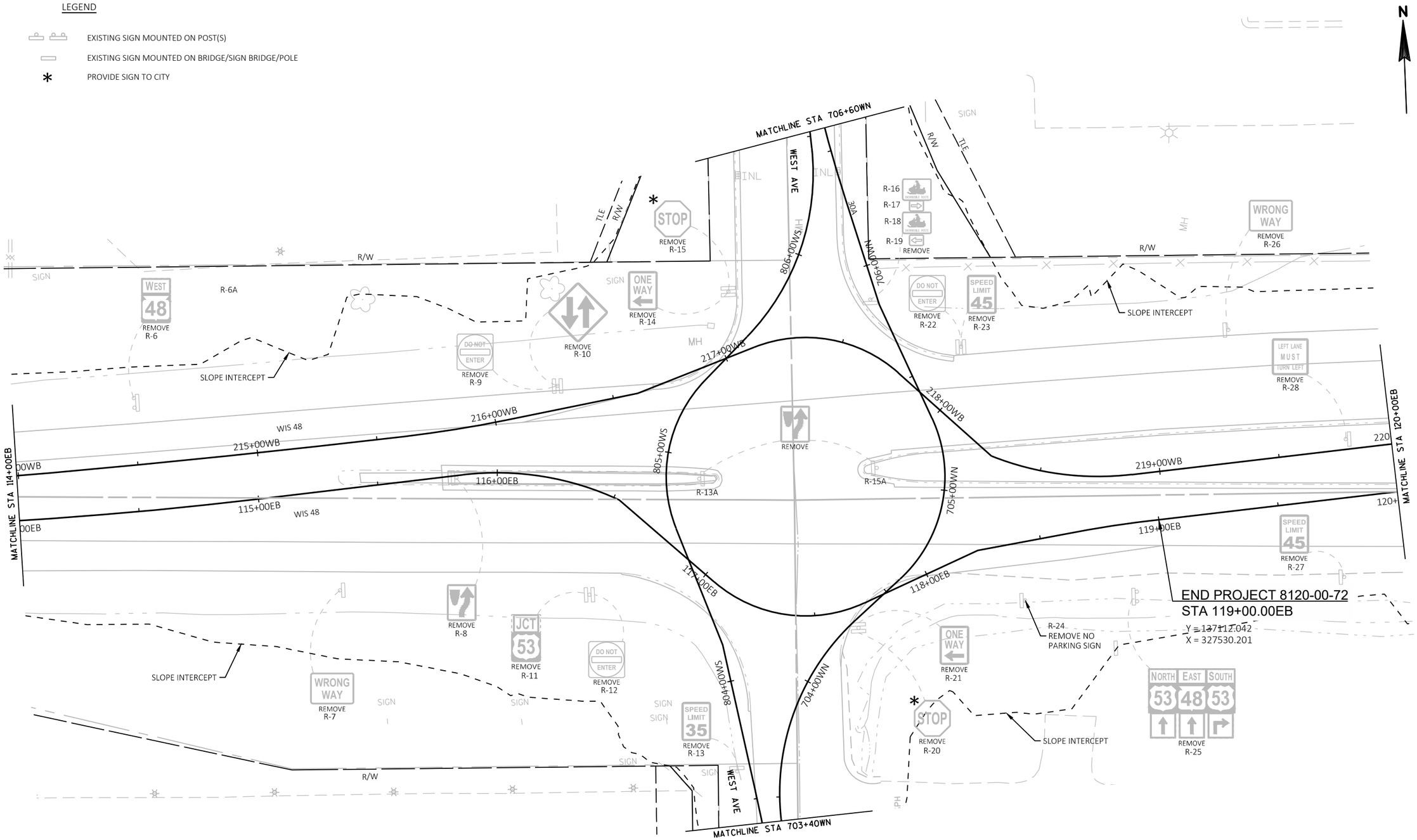
LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

* PROVIDE SIGN TO CITY

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	SIGNING REMOVALS	SHEET 179	E

2

2

N

MATCHLINE STA 601+50D

US 53 SB OFF RAMP D

601+00D

R/W

H
REMOVE
REMOVE
R-37A

BUSINESS DIST
REMOVE

ONLY ONLY ONLY
REMOVE
R-31

DO NOT ENTER
REMOVE
R-37

MH

STOP
REMOVE
R-35

STOP
REMOVE
R-38

SLOPE INTERCEPT

223+00WB

222+00WB

WIS 48

221+00WB

MATCHLINE STA 120+00EB

+00WB

121+00EB

WIS 48

122+00EB

510C+00

STOP
REMOVE
R-39

DO NOT ENTER
REMOVE
R-43

SOUTH 53
REMOVE
R-44

WRONG WAY
REMOVE
R-48

EAU CLAIRE
REMOVE
R-49

SLOPE INTERCEPT

REMOVE
R-36

REMOVE
R-40

DO NOT ENTER
REMOVE
R-41

224+00WB

225+00WB

WIS 48

226+

MATCHLINE STA 126+00EB

126+

ONLY ONLY ONLY
REMOVE
R-34

REMOVE
R-42

124+00EB

125+00EB

WIS 48

123+00EB

15'-0"
REMOVE
R-45

NORTH 53
REMOVE
R-47

BARRON COUNTY FAIRGROUNDS
MOVE
MOVE
R-46

IN

US 53 ISB

SLOPE INTERCEPT

Rice Lake Superior Eau Claire
REMOVE
R-29

WRONG WAY
REMOVE
R-30

SOUTH 53
REMOVE
R-32

DO NOT ENTER
REMOVE
R-33

SLOPE INTERCEPT

505+00

US 53 SB ON RAMP C

HARN

R/W

R/W

MATCHLINE STA 508+35C

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE
- * PROVIDE SIGN TO CITY

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 180	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023201_PS - REMOVALS.DWG
LAYOUT NAME - 023204_ps - removals

PLOT DATE : 7/24/2019 12:13 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

* PROVIDE SIGN TO CITY

N

MATCHLINE STA 302+00A

US 53 NB ON RAMP A

15'-6"
REMOVE
R-53

SLOPE INTERCEPT

EAST 53
REMOVE
R-50

R/W

SLOPE INTERCEPT

NORTH 53
REMOVE
R-70

DO NOT ENTER
REMOVE
R-65

WRONG WAY
REMOVE
R-69

229+00WB

228+00WB

227+00WB

WIS 48

MATCHLINE STA 126+00EB

127+00EB

128+00EB

129+00EB

130+00EB

131+00EB

132+00EB

231+00WB

230+00WB

301+00A

N-2

STOP
REMOVE
R-59

STOP
REMOVE
R-60

REMOVE
R-56

NORTH 53
REMOVE
R-54

DO NOT ENTER
REMOVE
R-55

REMOVE
R-57

DO NOT ENTER
REMOVE
R-58

SLOPE INTERCEPT

SUPERIOR
REMOVE
R-51

WRONG WAY
REMOVE
R-52

US 53 NB

MATCHLINE STA 409+00B

410+00B

US 53 NB ON RAMP A

STOP
REMOVE
R-64

EAST 48
REMOVE
R-66

SLOPE INTERCEPT

DO NOT ENTER
REMOVE
R-61

H
REMOVE
R-62

REMOVE
R-63

RICE LAKE
POPULATION 8,938
REMOVE
R-67

SISTER CITY
MINAMI, JAPAN
ZAMBRAK, CZECH REPUBLIC
MOVE
R-68

R/W

R/W

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 181	E

2

2

N

R/W

INL

SIGN

Eau Claire
Superior
REMOVE
R-77

SLOPE INTERCEPT

STOP
REMOVE
R-82

BEAR PAW AVE

DO NOT ENTER
REMOVE
R-87

BEGIN LEFT TURN LANE
R-72
REMOVE

WIS 48

ONE WAY
R-80
REMOVE

R-81
REMOVE

MATCHLINE STA 132+00EB

00WB
233+00WB
234+00WB
235+00WB
236+00WB
237+00WB
238+0

MATCHLINE STA 138+00EB

00EB
133+00EB
134+00EB
135+00EB
136+00EB
137+00WB
138+

EXISTING TO REMAIN

H
R-73
REMOVE

R-74
REMOVE

BEGIN RIGHT TURN LANE
R-75
REMOVE

MOVE
R-71

SLOPE INTERCEPT
MOVE MAIN STREET SIGN

WRONG WAY
R-76
REMOVE

SPEED LIMIT 45
REMOVE
R-78

DO NOT ENTER
REMOVE
R-79

ONE WAY
REMOVE
R-85

REMOVE
R-86

STOP
REMOVE
R-83

STOP
REMOVE
R-84

R/W

LAKEVIEW MEDICAL CENTER INC

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

* PROVIDE SIGN TO CITY

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 182	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023201_PS - REMOVALS.DWG
LAYOUT NAME - 023206_ps - removals

PLOT DATE : 7/24/2019 12:13 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

SIPPLE INSURANCE AGENCY INC

R/W

INL

SIGN

WRONG WAY
REMOVE
R-88

15'-6"
R-89
REMOVE

AHEAD
REMOVE
R-89A

SOUTH WEST NORTH
53 48 53
REMOVE
R-91

INL

SIGN

WIS 48

MATCHLINE STA 138+00EB

0WB

239+00WB

240+00WB

241+00WB

INL

INL

LEFT TURN LANE
REMOVE
R-90

00EB

139+00EB

140+00EB

141+00EB

142+00EB

143+00EB

144+

MATCHLINE STA 144+00EB

R/W

R/W

R/W

FAMILY HEALTH CENTER
OF MARSHFIELD INC

N

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

PROVIDE SIGN TO CITY

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 183	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023201_PS - REMOVALS.DWG
LAYOUT NAME - 023207_ps - removals

PLOT DATE : 7/24/2019 12:13 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

R/W

INL

INL

INL

INL

END PROJECT
STA= 144+80.36EB

WIS 48

MATCHLINE STA 144+00EB

00EB

R/W

SIGN

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

* PROVIDE SIGN TO CITY

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 184	E

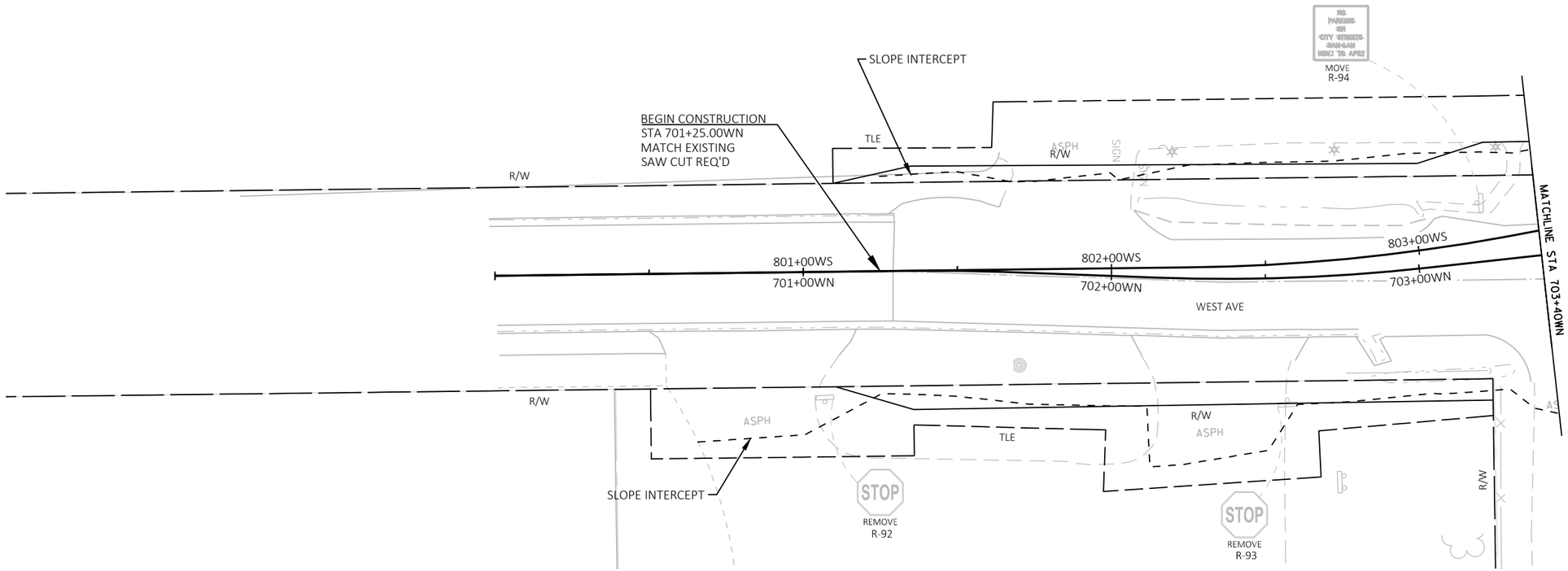
2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	SIGNING REMOVALS	SHEET 185	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023202_PS - SIDE ROADS - REMOVALS.DWG
LAYOUT NAME - 023209_ps-Side Rds - removals

PLOT DATE : 7/24/2019 12:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

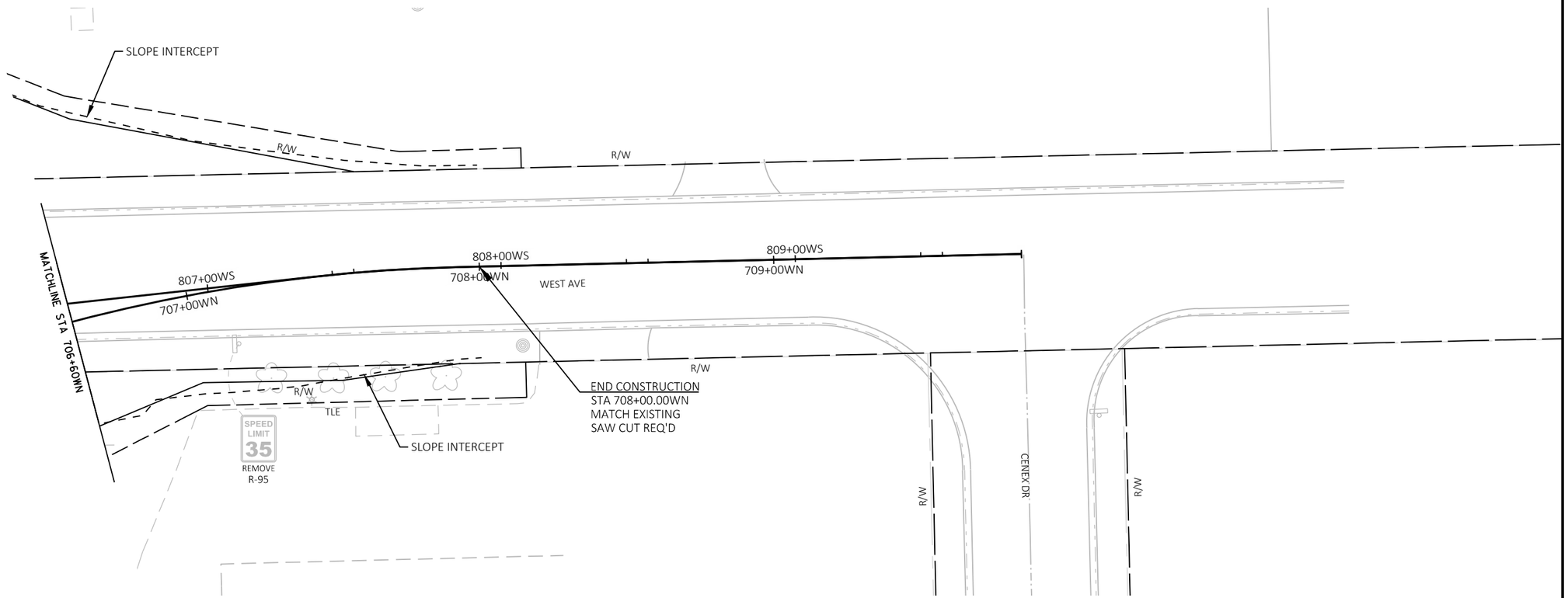
2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	SIGNING REMOVALS	SHEET 186	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023202_PS - SIDE ROADS - REMOVALS.DWG
LAYOUT NAME - 023210_ps-Side Rds - removals

PLOT DATE : 7/24/2019 12:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

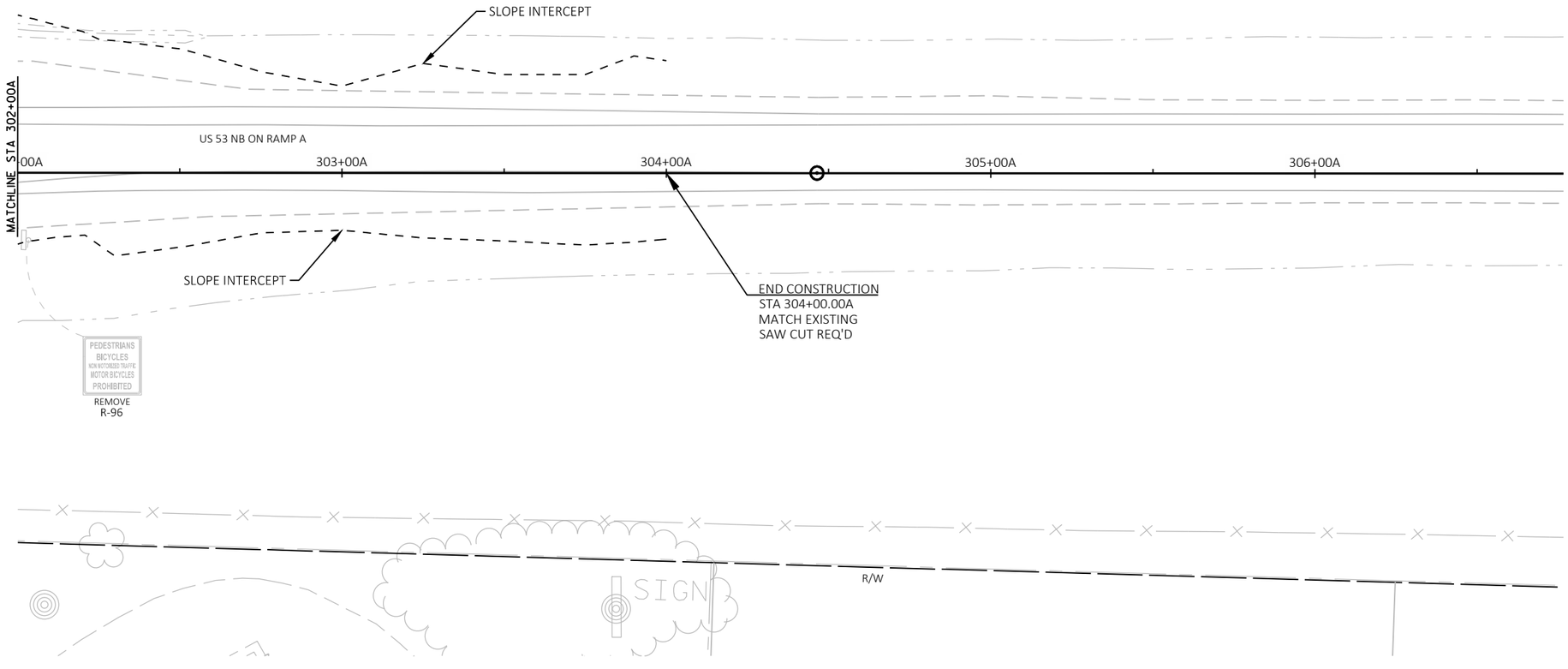
WISDOT/CADDS SHEET 44

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

N



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 187	E

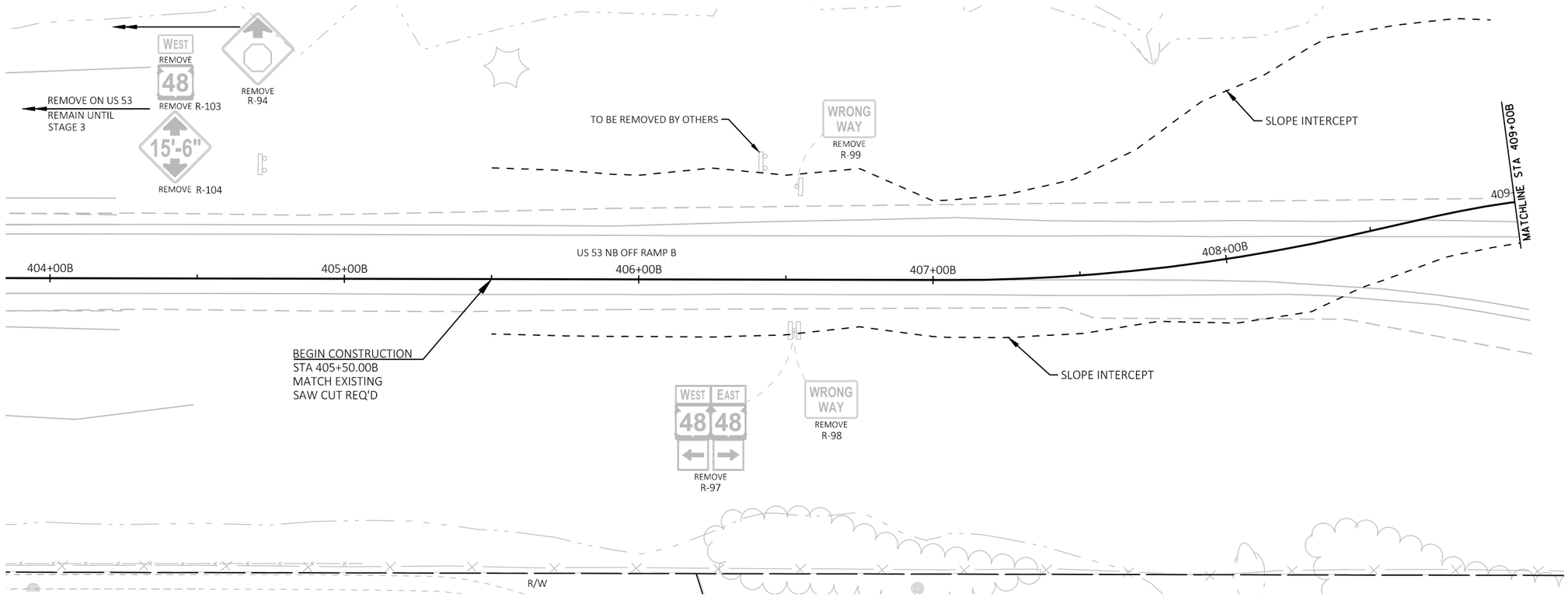
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023202_PS - SIDE ROADS - REMOVALS.DWG
LAYOUT NAME - 023211_ps-Side Rds - removals

PLOT DATE : 7/24/2019 12:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE



2

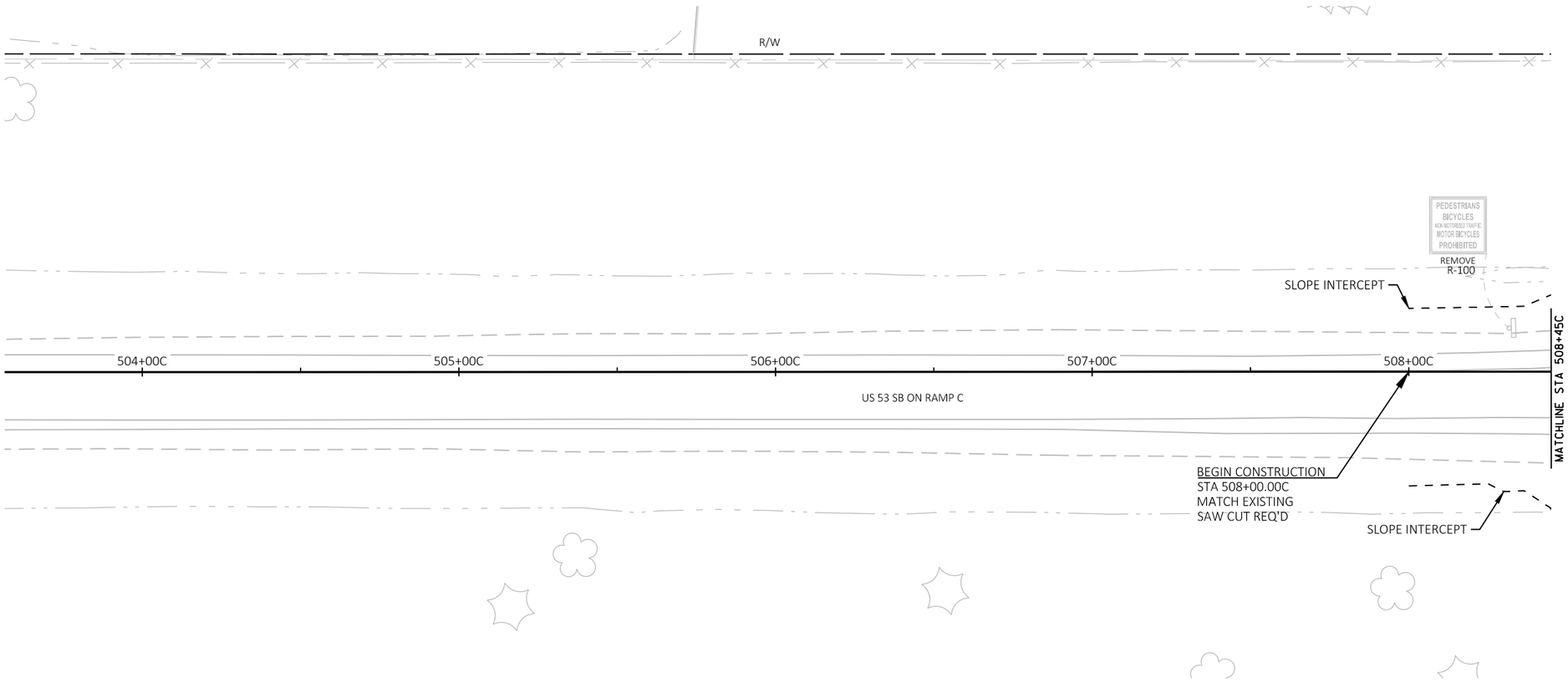
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 188	E

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

N



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 189	E

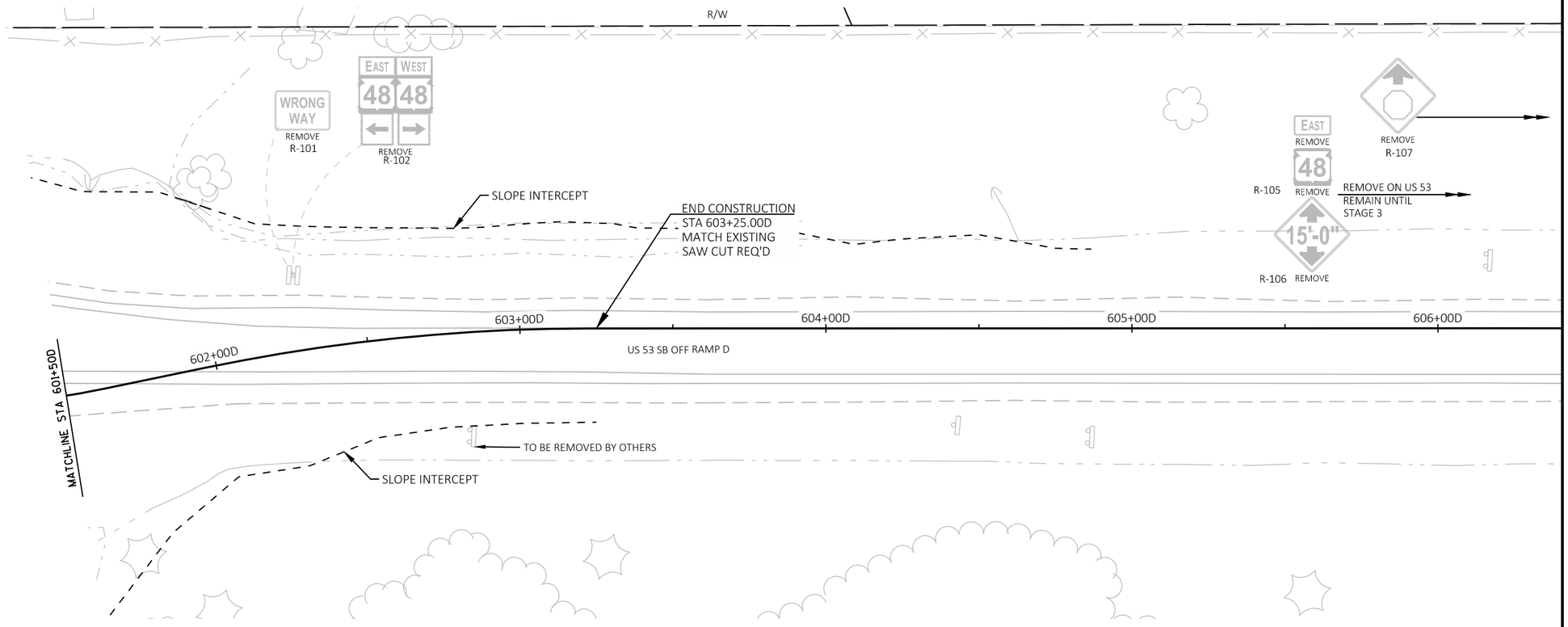
2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE/SIGN BRIDGE/POLE

N



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	SIGNING REMOVALS	SHEET 190	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\023202_PS - SIDE ROADS - REMOVALS.DWG
LAYOUT NAME - 023214_ps-Side Rds - removals
PLOT DATE : 7/24/2019 12:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

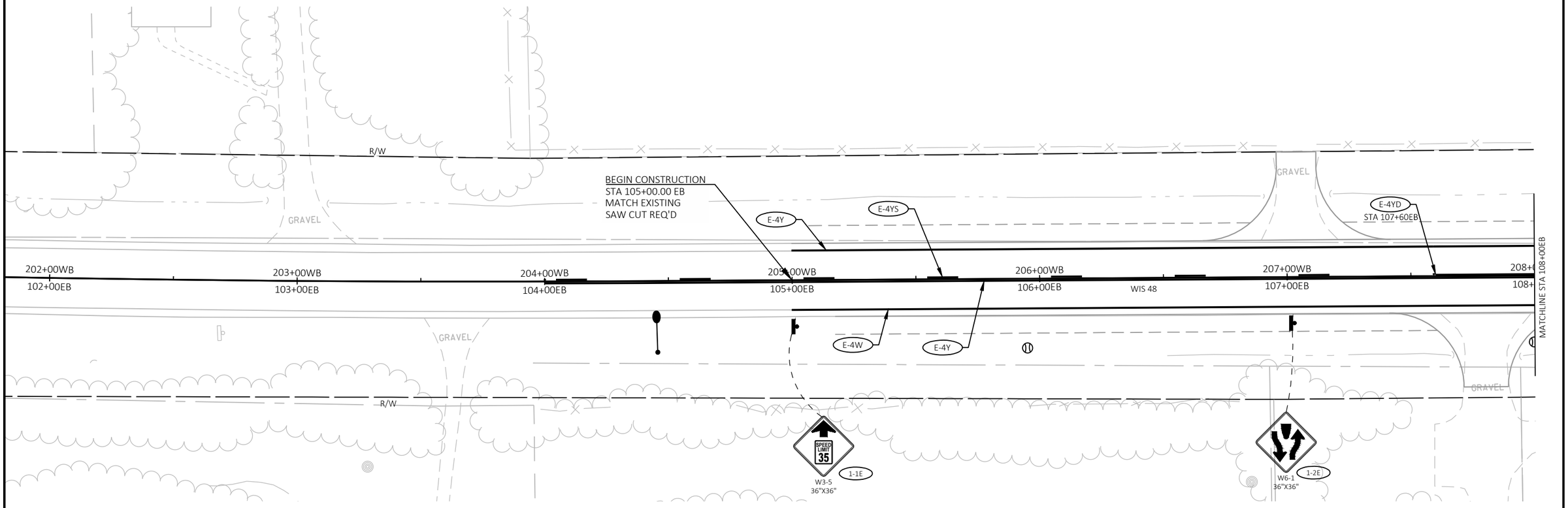
E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

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
- SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS

N

2



NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

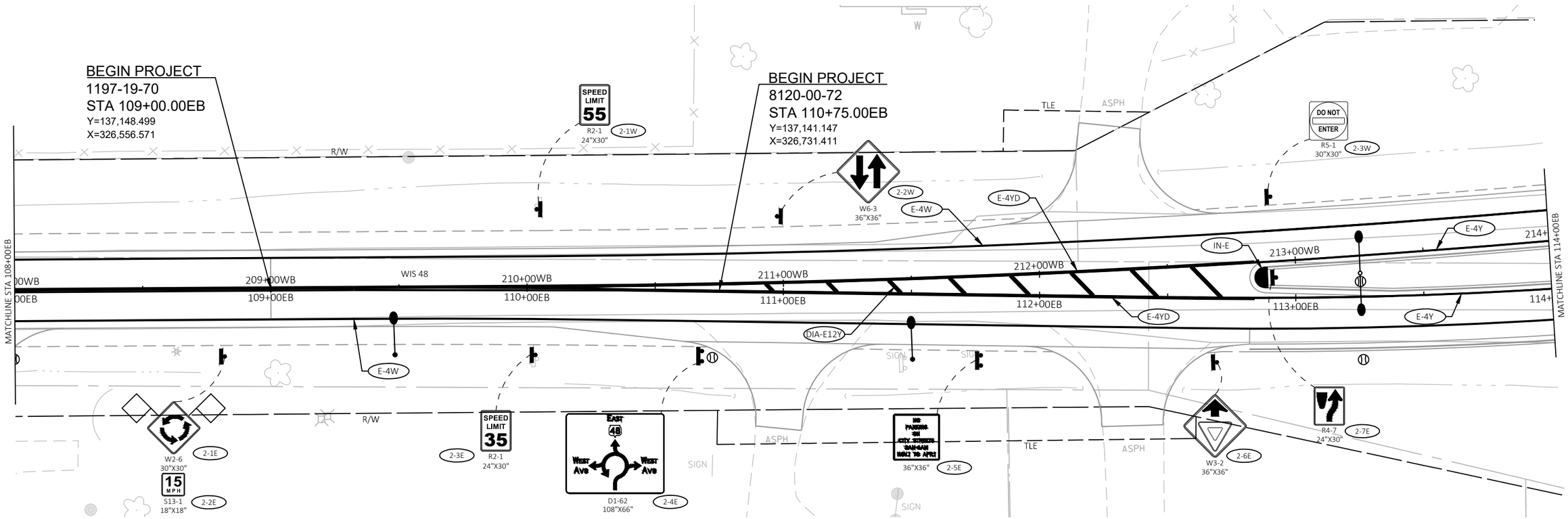
LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

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
	SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS

N



NOTE:
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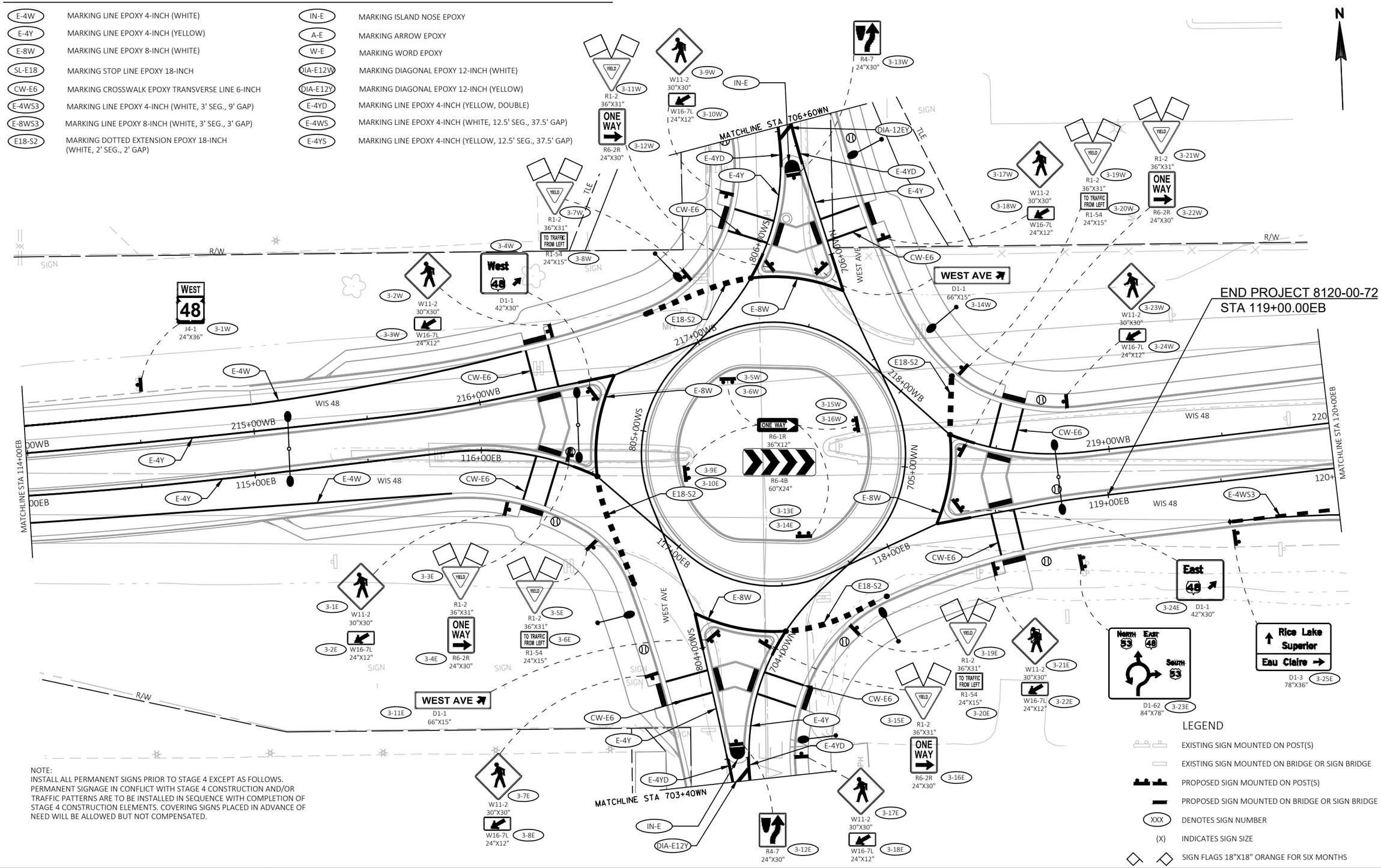
2

LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

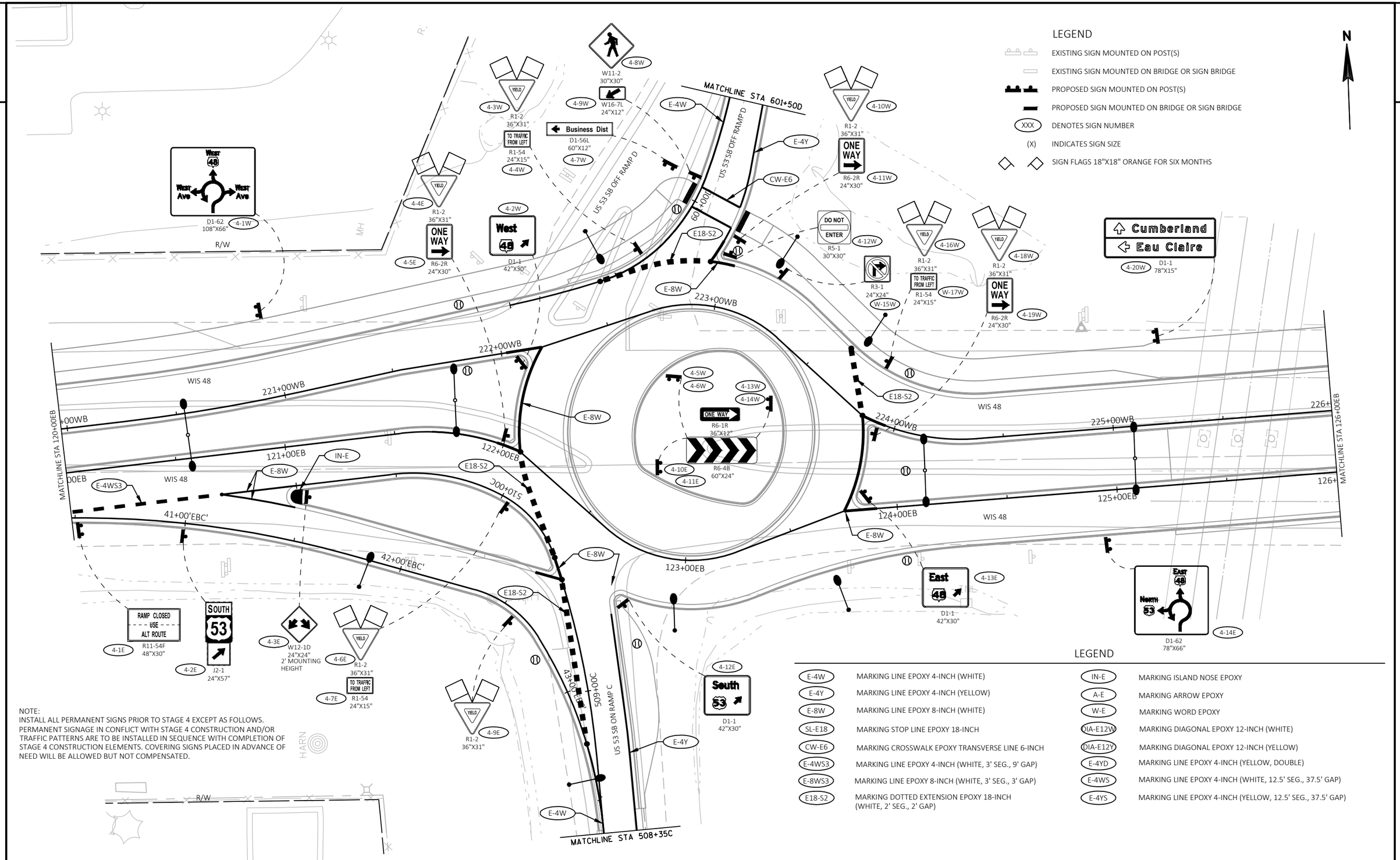


NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

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
- SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS

2



NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS.
PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

HARN

LEGEND

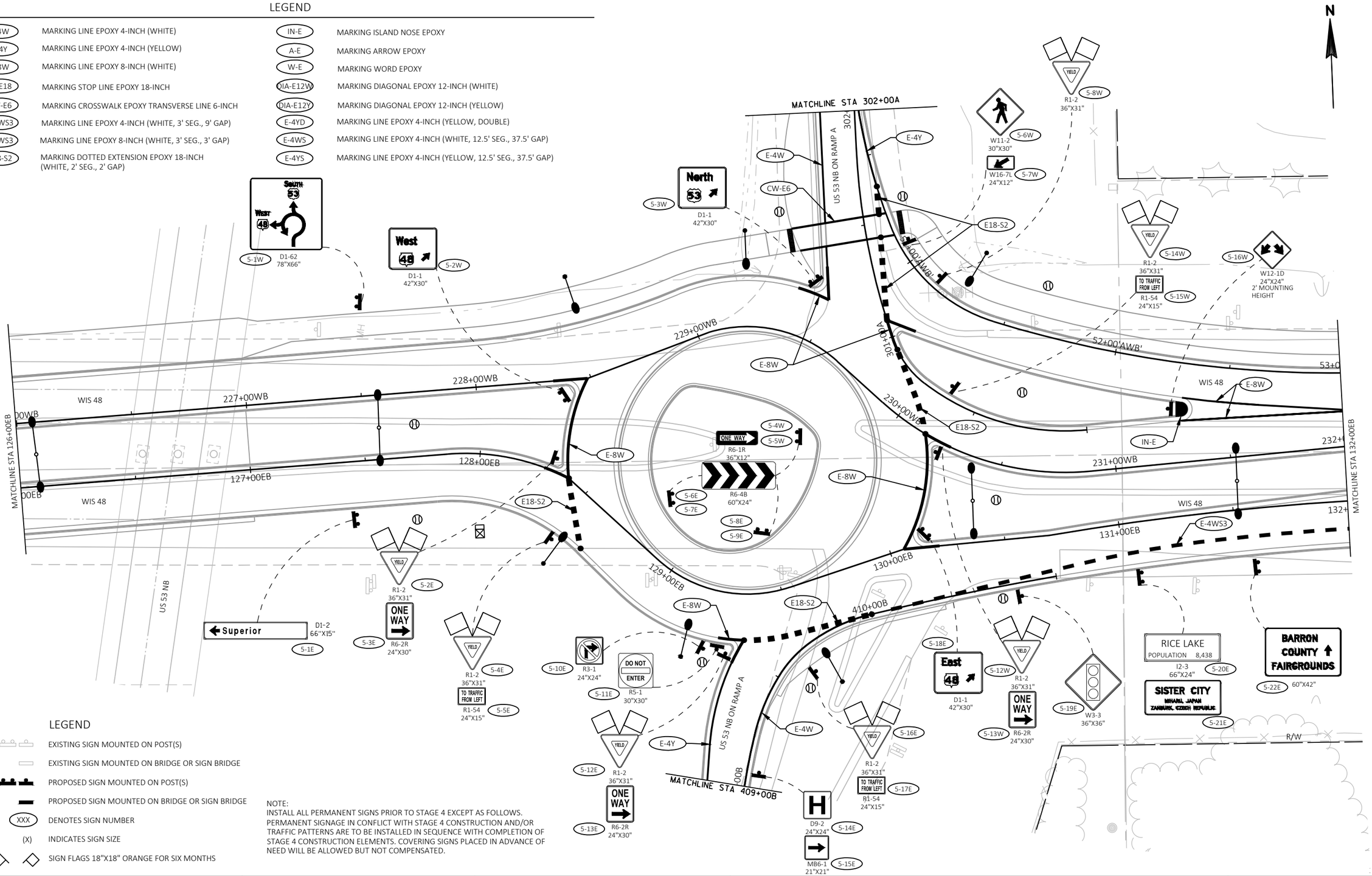
E-4W	MARKING LINE EPOXY 4-INCH (WHITE)	IN-E	MARKING ISLAND NOSE EPOXY
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	A-E	MARKING ARROW EPOXY
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)	W-E	MARKING WORD EPOXY
SL-E18	MARKING STOP LINE EPOXY 18-INCH	DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)	E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)	E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)	E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 194	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024504_pm
PLOT DATE : 10/8/2019 12:01 PM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)	IN-E	MARKING ISLAND NOSE EPOXY
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	A-E	MARKING ARROW EPOXY
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)	W-E	MARKING WORD EPOXY
SL-E18	MARKING STOP LINE EPOXY 18-INCH	DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)	E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)	E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)	E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)



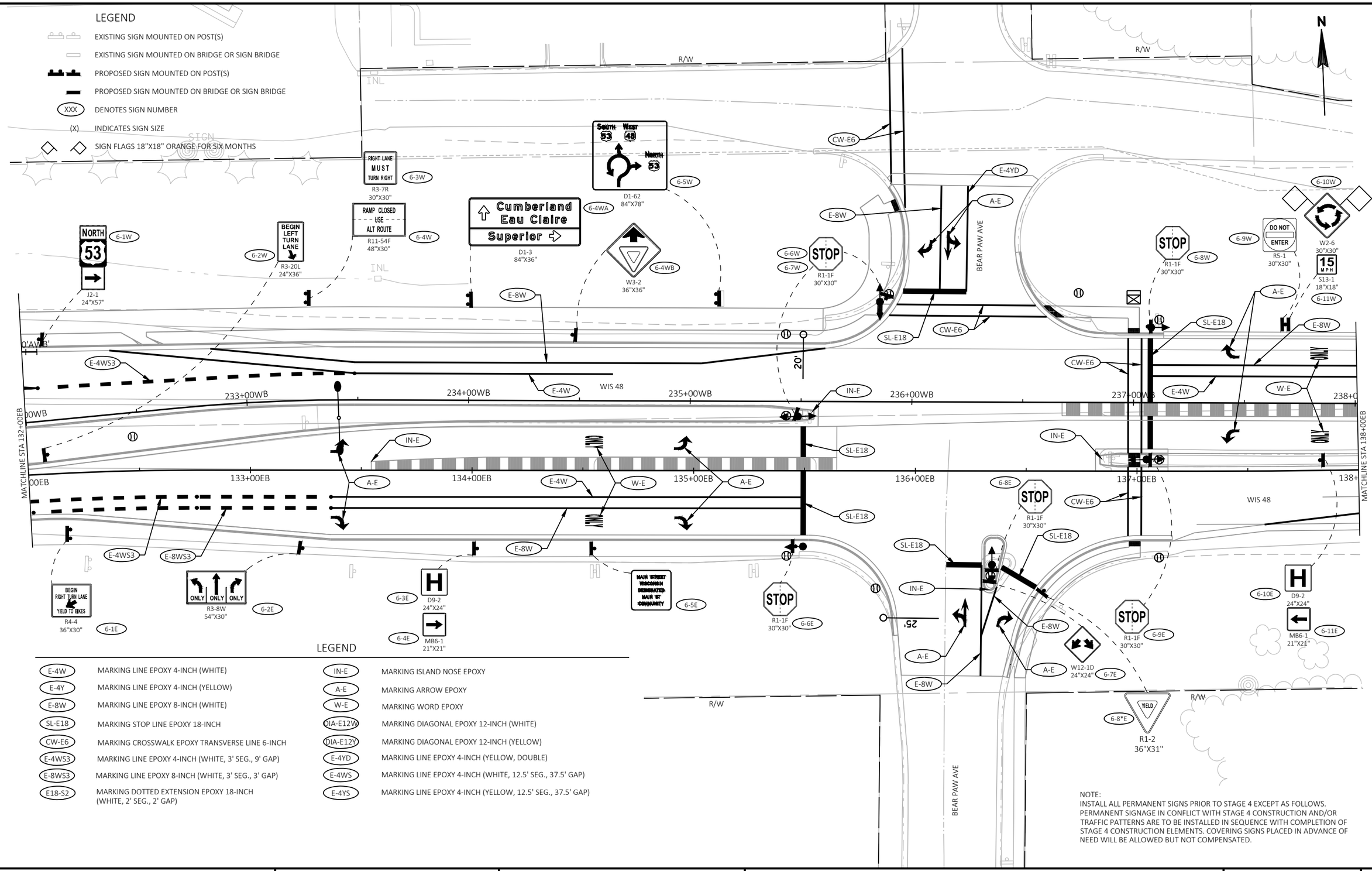
LEGEND

- 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
- SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

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
- SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS



LEGEND

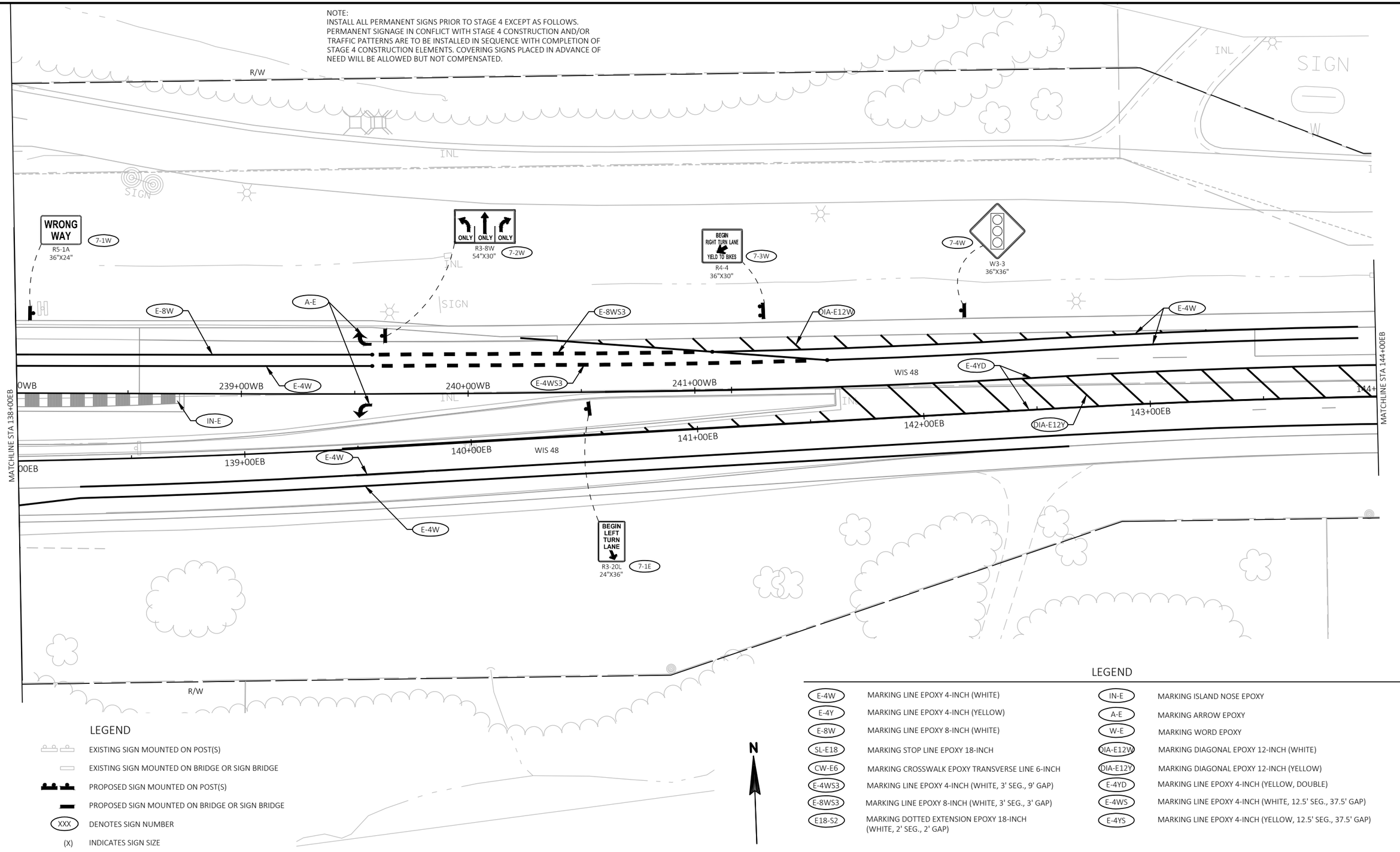
E-4W	MARKING LINE EPOXY 4-INCH (WHITE)	IN-E	MARKING ISLAND NOSE EPOXY
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	A-E	MARKING ARROW EPOXY
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)	W-E	MARKING WORD EPOXY
SL-E18	MARKING STOP LINE EPOXY 18-INCH	DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)	E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)	E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)	E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 196	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024506_pm
PLOT DATE : 10/8/2019 12:02 PM
PLOT BY : JASON KLEIST
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.



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
	SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS

LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)	IN-E	MARKING ISLAND NOSE EPOXY
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	A-E	MARKING ARROW EPOXY
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)	W-E	MARKING WORD EPOXY
SL-E18	MARKING STOP LINE EPOXY 18-INCH	DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)	E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)	E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)	E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 197	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024507_pm
PLOT DATE : 10/8/2019 12:02 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

INL

INL

INL

END PROJECT
1197-19-70
STA= 144+80.36EB

DIA-E-12Y

E-4YD

WIS 48

00EB

E-4W

MATCHLINE STA 144+00EB

R/W

W

SIGN

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
	SIGN FLAGS 18"X18" ORANGE FOR SIX MONTHS

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

N

LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)	IN-E	MARKING ISLAND NOSE EPOXY
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	A-E	MARKING ARROW EPOXY
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)	W-E	MARKING WORD EPOXY
SL-E18	MARKING STOP LINE EPOXY 18-INCH	DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)	E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)	E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)	E-4YS	MARKING LINE EPOXY 4-INCH (YELLOW, 12.5' SEG., 37.5' GAP)

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 198	E

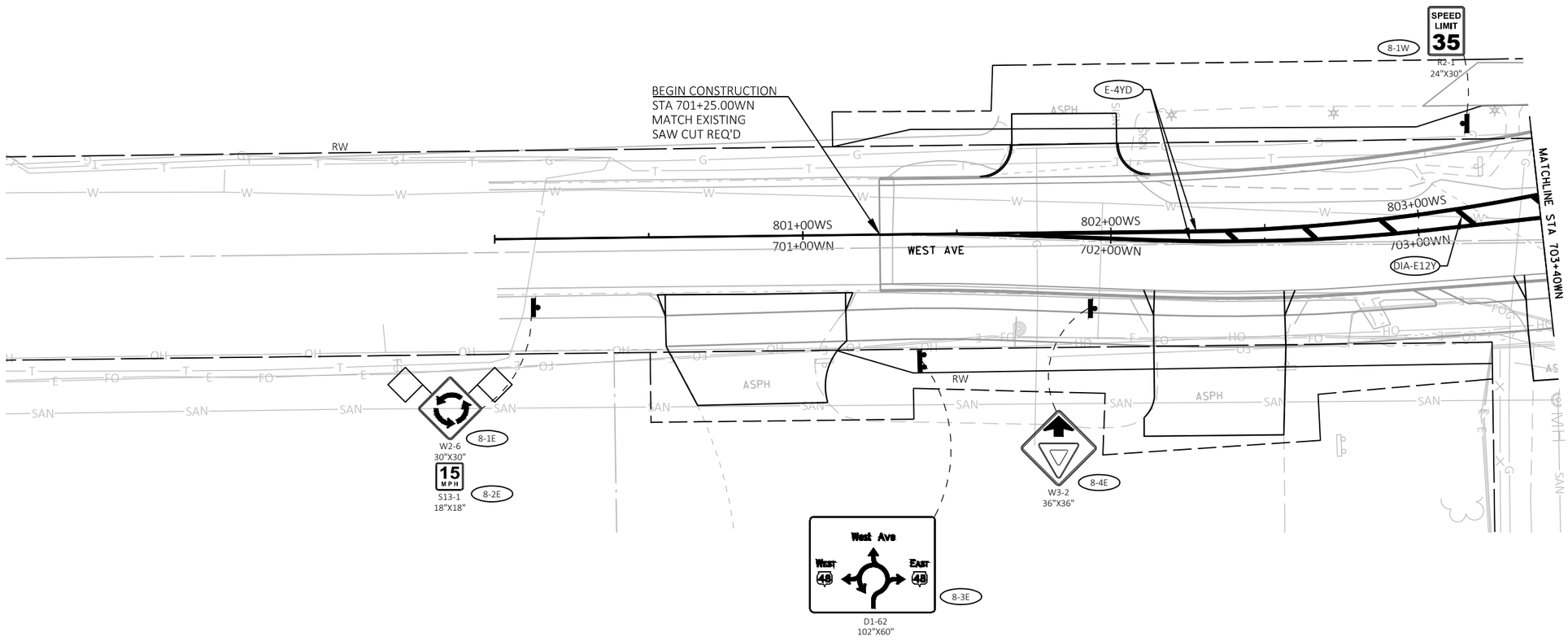
LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)

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



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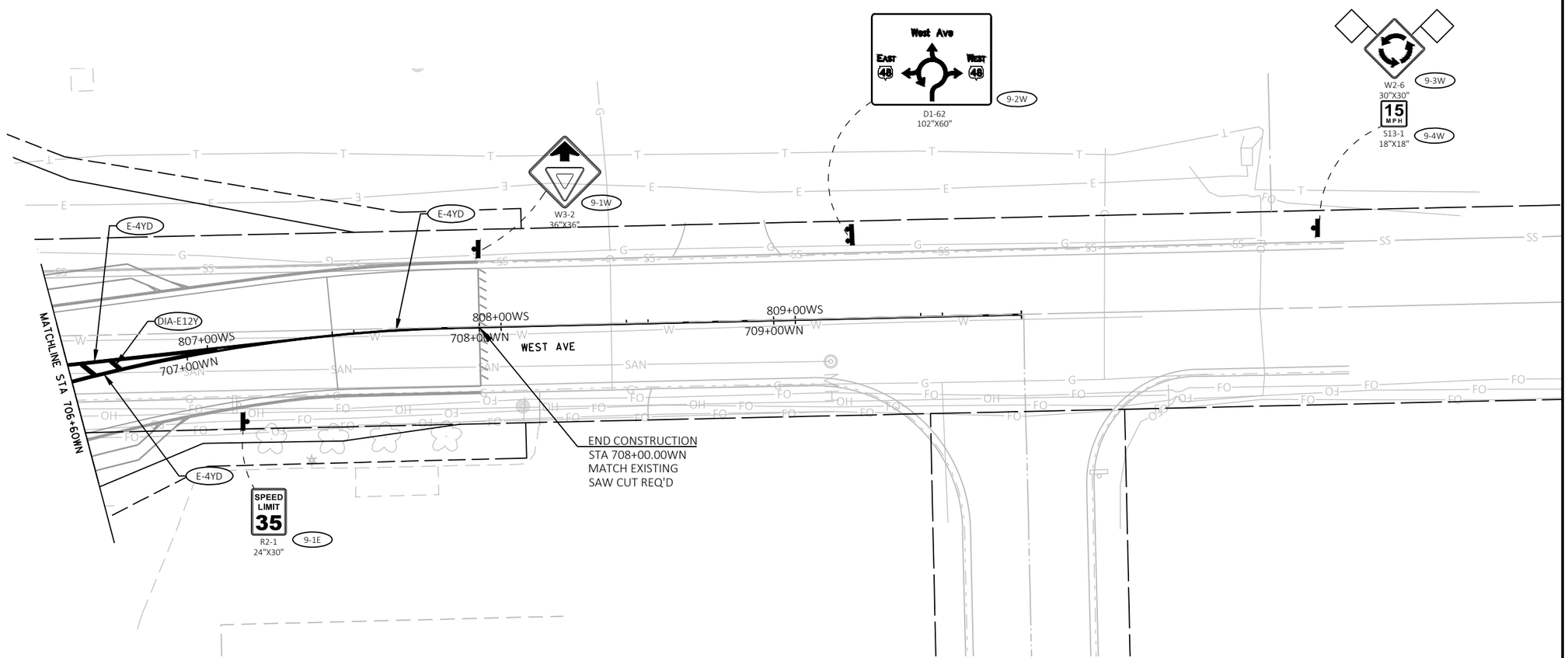
LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)

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



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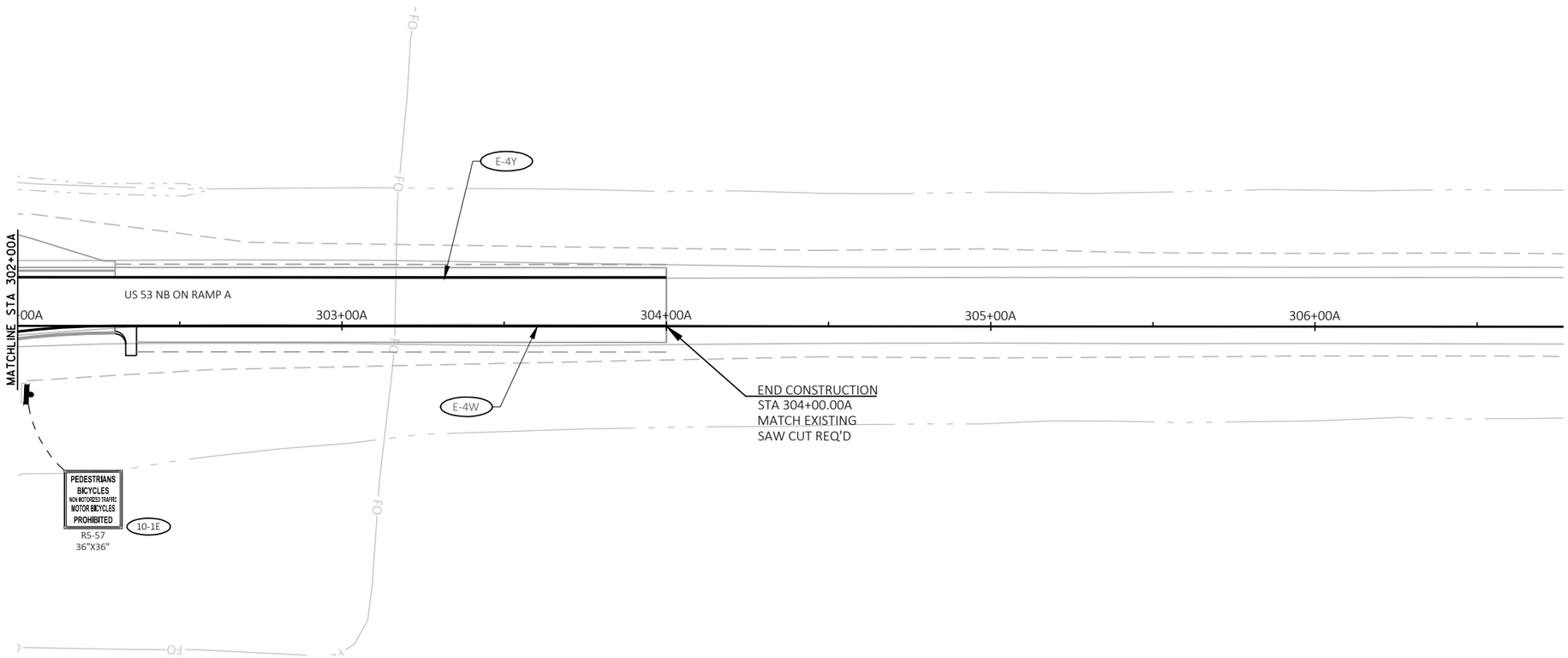
LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)

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



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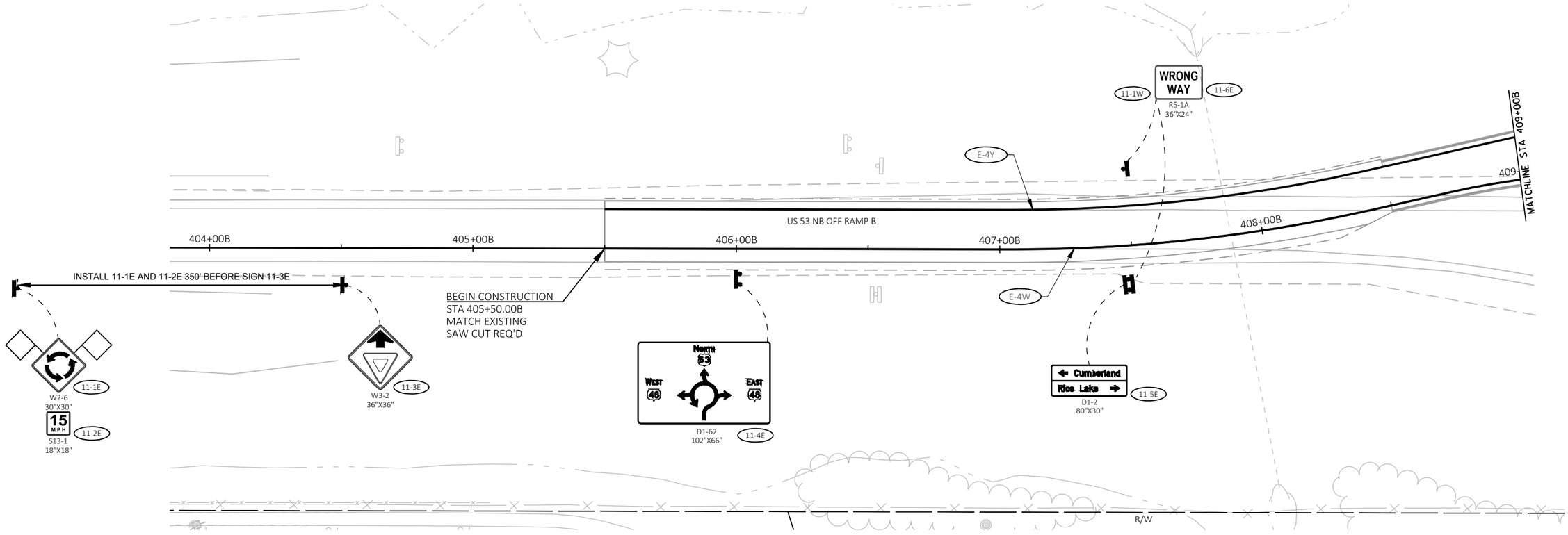
LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)

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



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2

LEGEND

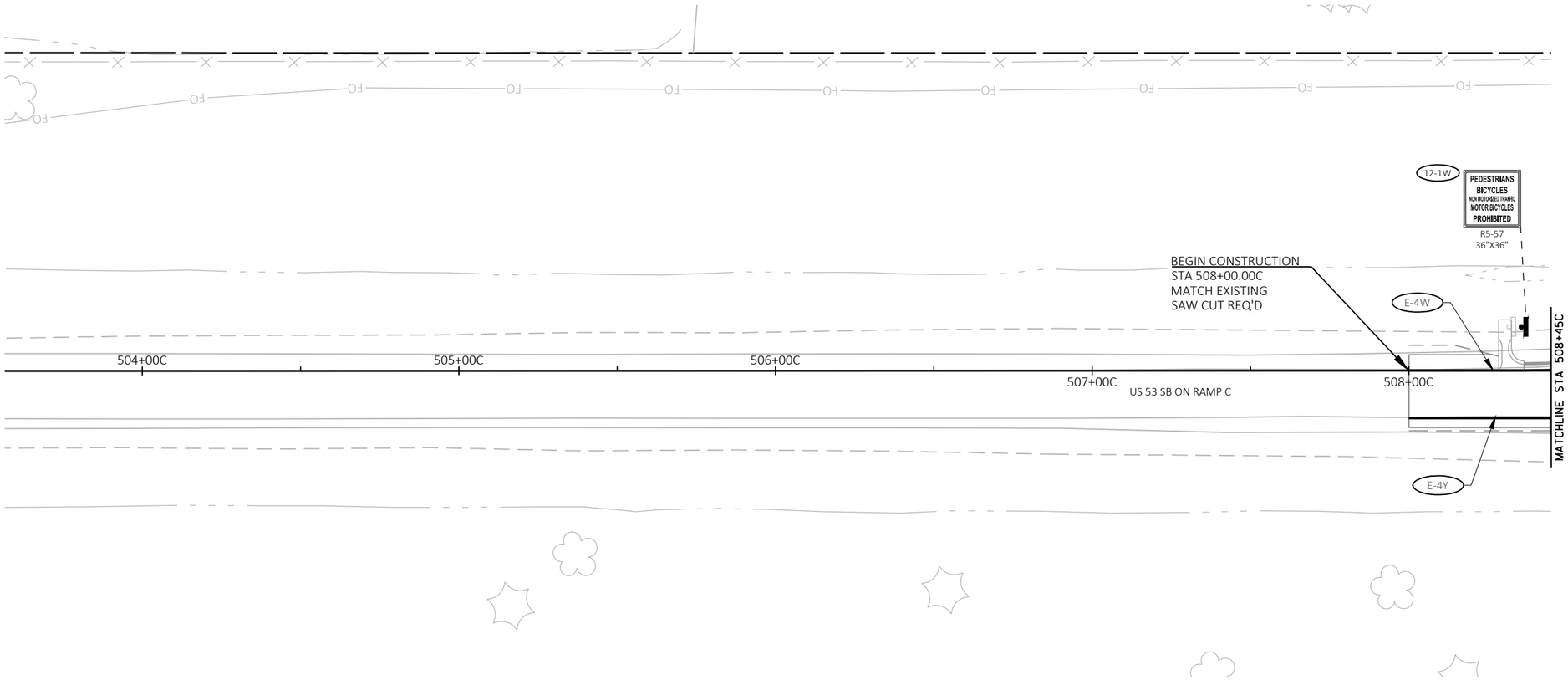
E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)

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

2



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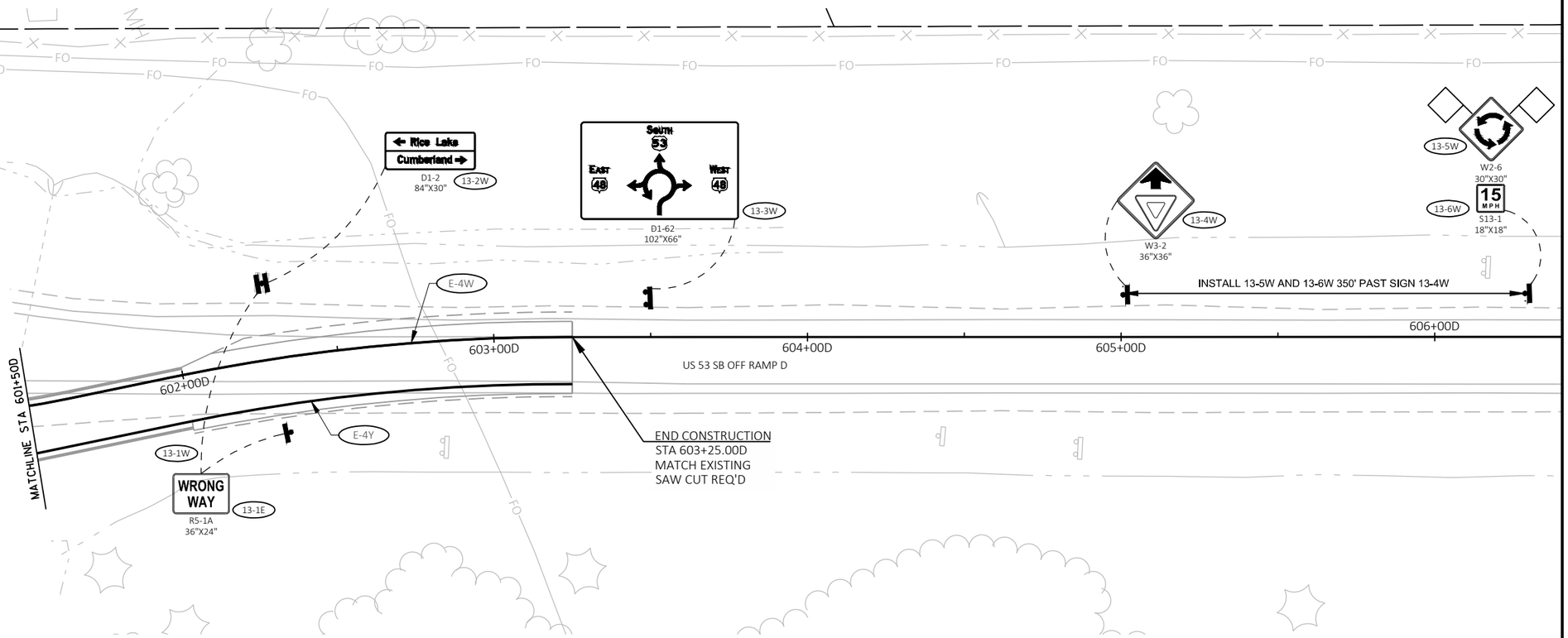
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PAVEMENT MARKING & PERMANENT SIGNING	SHEET 203	E

LEGEND

E-4W	MARKING LINE EPOXY 4-INCH (WHITE)
E-4Y	MARKING LINE EPOXY 4-INCH (YELLOW)
E-8W	MARKING LINE EPOXY 8-INCH (WHITE)
SL-E18	MARKING STOP LINE EPOXY 18-INCH
CW-E6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
E-4WS3	MARKING LINE EPOXY 4-INCH (WHITE, 3' SEG., 9' GAP)
E-8WS3	MARKING LINE EPOXY 8-INCH (WHITE, 3' SEG., 3' GAP)
E18-S2	MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE, 2' SEG., 2' GAP)
IN-E	MARKING ISLAND NOSE EPOXY
A-E	MARKING ARROW EPOXY
W-E	MARKING WORD EPOXY
DIA-E12W	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
DIA-E12Y	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
E-4YD	MARKING LINE EPOXY 4-INCH (YELLOW, DOUBLE)
E-4WS	MARKING LINE EPOXY 4-INCH (WHITE, 12.5' SEG., 37.5' GAP)

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



NOTE:
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2

LEGEND

SIGN ON TEMPORARY SUPPORT

N

V

AVE

Ginder

L.

22ND AVE

OAK LAWN RD

19TH

SS

15TH

17TH ST

MAX. 12' WIDTH

W12-52
48"X48"

0.8 MILES AHEAD

W57-52
36"X24"

48

Rice Lake

EAST 48

15'-1"

M1-6
24"X24"

MAX. 12' WIDTH

W12-52
48"X48"

53

EXIT 143

48

MAX. 12' WIDTH

W12-52
48"X48"

MAX. 12' WIDTH

W12-52
48"X48"

MAX. 12' WIDTH

W12-52
48"X48"

Rice Lake

0.7 MILES AHEAD

W57-52
36"X24"

WEST 48

15'-6"

48

M1-6
24"X24"

MAX. 12' WIDTH

W12-52
48"X48"

Cr.

ST

20TH

25

17 1 / 2 ST

18 1 / 2 ST

18 3/4 ST

19 3/4 ST

19TH

20TH AVE

2

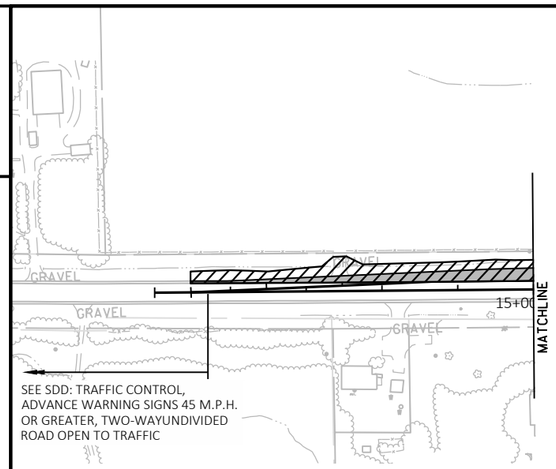
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	HEIGHT/WIDTH RESTRICTIONS - STAGE 1-4	SHEET 205	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1-4-WIDTH-HEIGHT RESTRICTIONS.DWG
LAYOUT NAME - 026001_Width Height Restrictions

PLOT DATE : 7/24/2019 12:20 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : NOT TO SCALE

WISDOT/CADDS SHEET 44

2



LEGEND

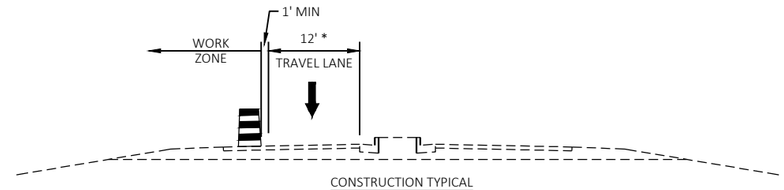
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

STAGE 1 SUMMARY
REMOVE PORTIONS OF EXISTING SHOULDERS AND CONSTRUCT TEMPORARY PAVEMENT

MAINTENANCE OF TRAFFIC
WB WIS 48 TRAFFIC REDUCED TO SINGLE LANE.

ALL RAMPS AND SIDE ROADS SHALL BE OPEN TO TRAFFIC.

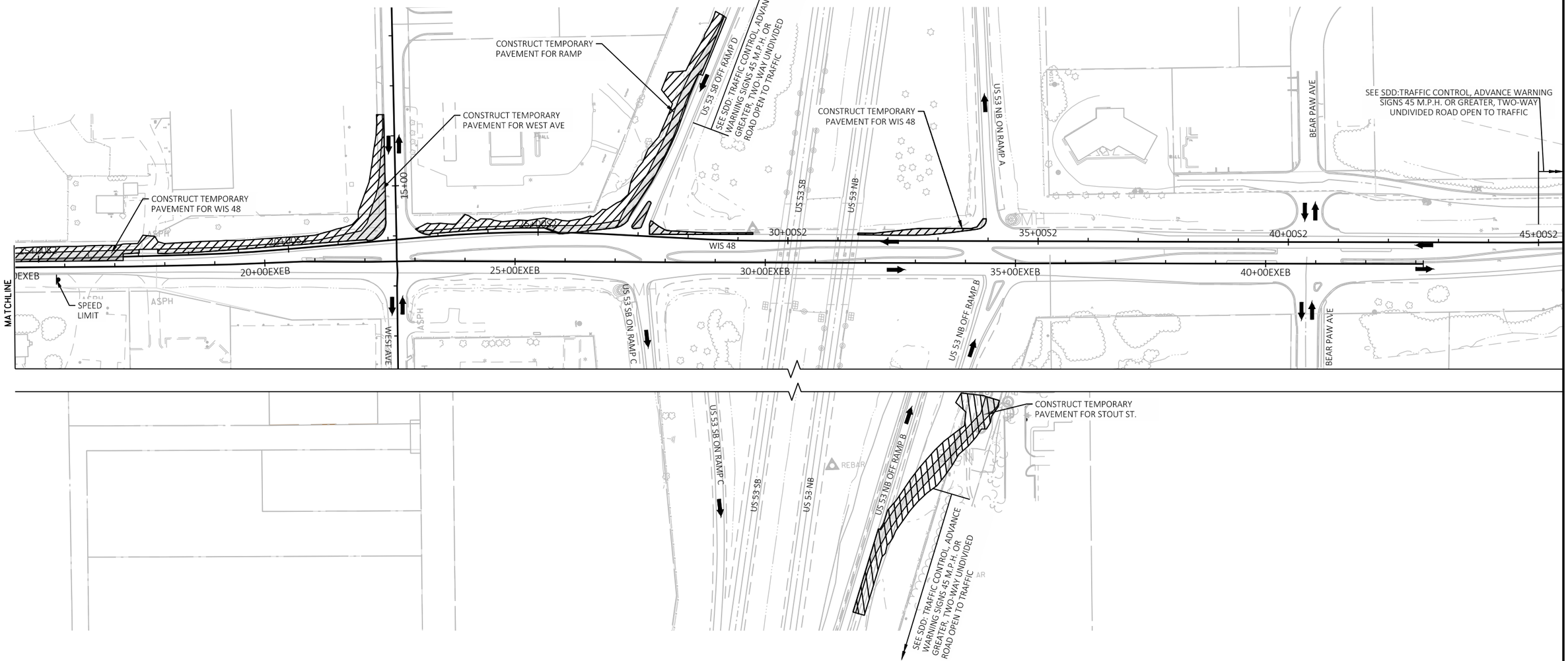
* PERFORM FLAGGING OPERATIONS PER SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" ANY TIME WORK ENCROACHES ON CLEAR ROADWAY WIDTH.



CONSTRUCTION TYPICAL
WIS 48

N

2



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 206	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S1.DWG
LAYOUT NAME - 026000_s1 - Overview
PLOT DATE : 7/24/2019 12:21 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N

END ROAD WORK
G20-2A
48"X24"

SLOPE INTERCEPT

R/W

GRAVEL

WIS 48

400'

11+00EXEB

12+00EXEB

13+00EXEB

MATCHLINE STA 13+50EXEB

SEE SDD: TRAFFIC CONTROL ADVANCE WARNING SIGNS
45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD
OPEN TO TRAFFIC

SPEED LIMIT 35
W03-5
48"X48"

SPEED LIMIT 35
R2-1
24"X30"

RICHARD J & NANCY L KANER

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 207	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026001_s1

PLOT DATE : 7/24/2019 12:23 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

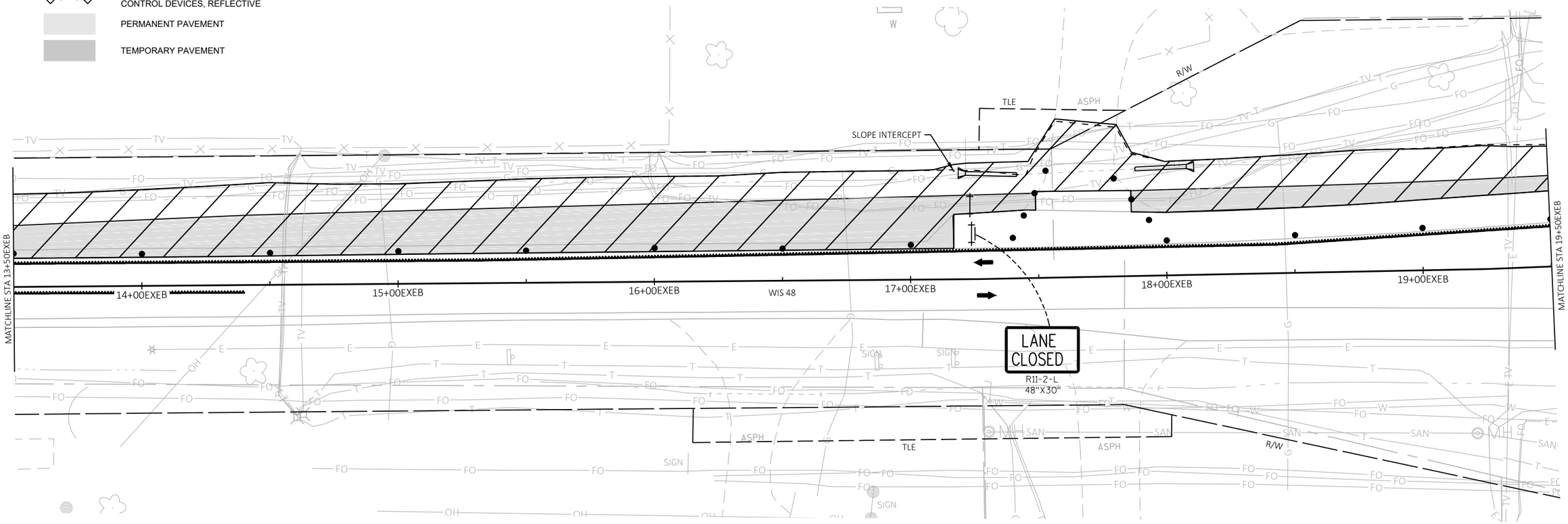
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026002_s1

PLOT DATE : 7/24/2019 12:23 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N

MATCHLINE STA 15+00

STOP
R1-1
30"X30"

SLOPE INTERCEPT

INSTALL TEMPORARY SIGNALS

SPEED LIMIT 35
R2-1
24"X30"

NOTE:
CLOSE RIGHT TURN LANE WHEN WORKING

NOTE:
EXISTING PAVEMENT MARKINGS TO BE USED

REMOVE SIGN

WIS 48

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

WEST AVE

15+00

14+00WA

13+00WA

MATCHLINE STA 19+50EXEB

MATCHLINE STA 24+50EXEB

MATCHLINE STA 12+00

20+00EXEB

21+00EXEB

22+00EXEB

23+00EXEB

24+00EXEB

25+00EXEB

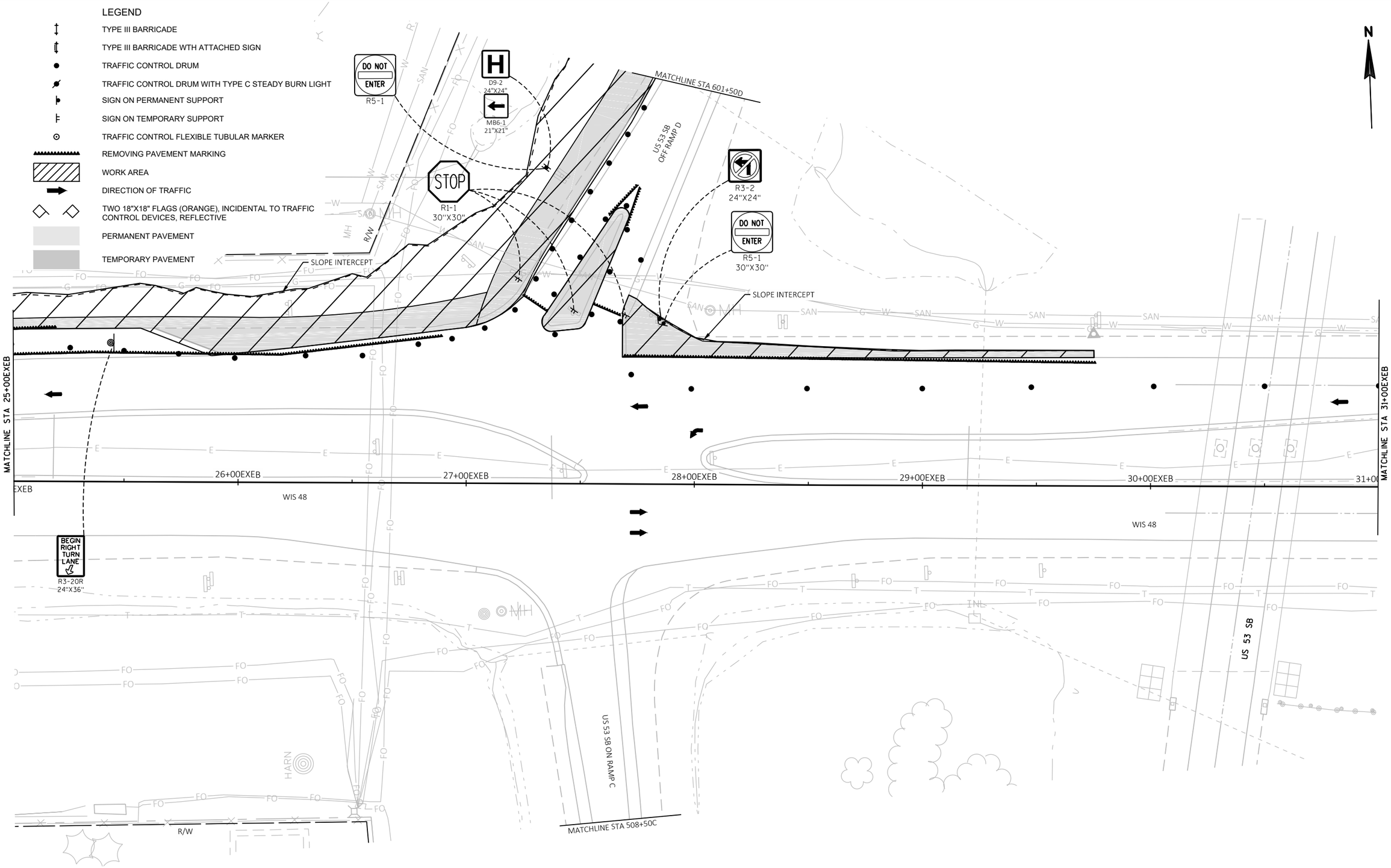
R/W

TLE

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 209	E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



N

2

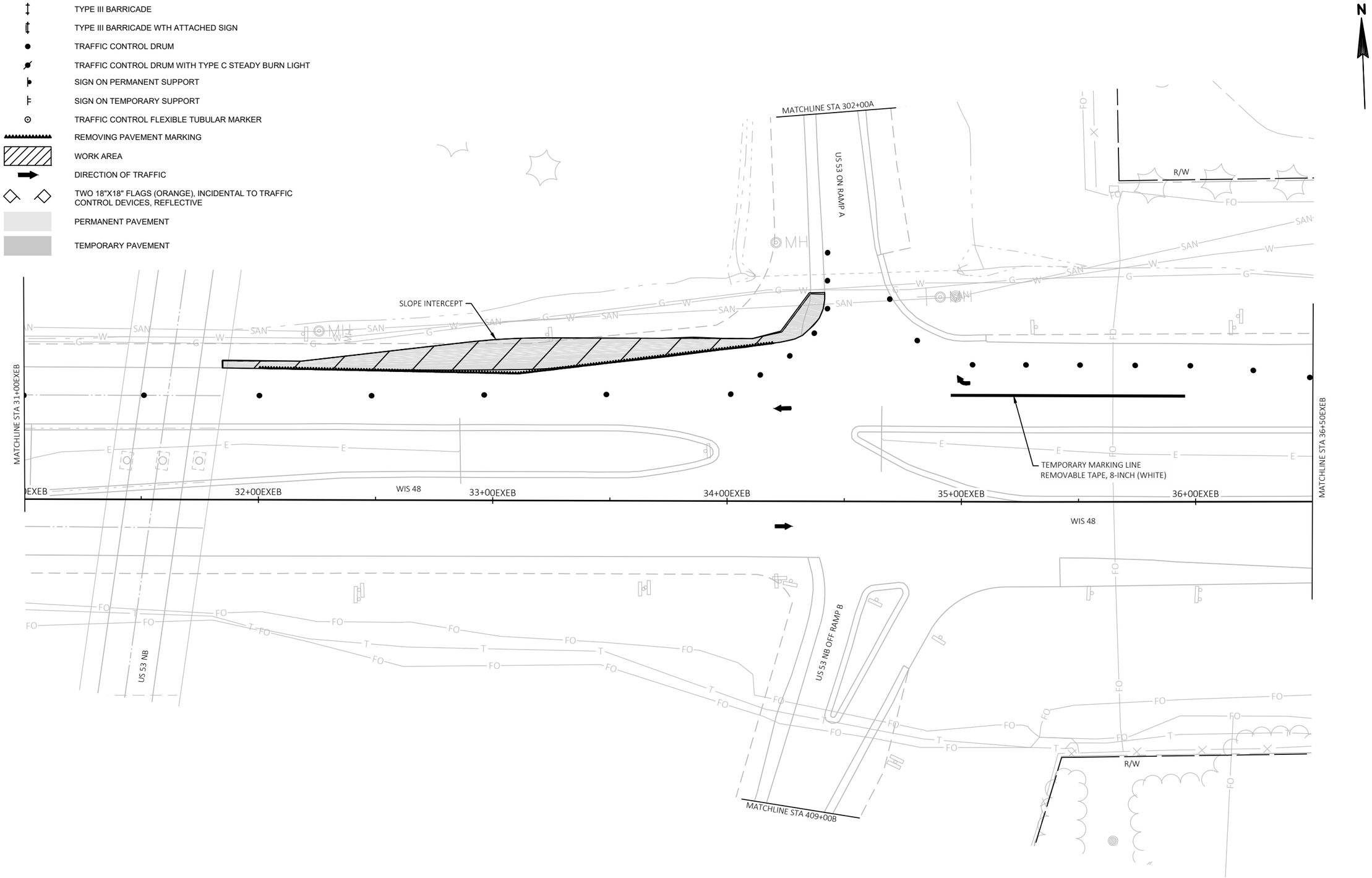
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 210	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026004_s1

PLOT DATE : 7/24/2019 12:23 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 211	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026005_s1

PLOT DATE : 7/24/2019 12:23 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N

INSTALL TEMPORARY SIGNALS FOR STAGE 2

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)

BEAR PAW AVE

MATCHLINE STA 36+50EXEB

MATCHLINE STA 42+50EXEB

37+00EXEB 38+00EXEB 39+00EXEB 40+00EXEB 41+00EXEB 42+00EXEB

WIS 48

R/W

CITY OF RICE LAKE

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 212	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026006_s1

PLOT DATE : 7/24/2019 12:23 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

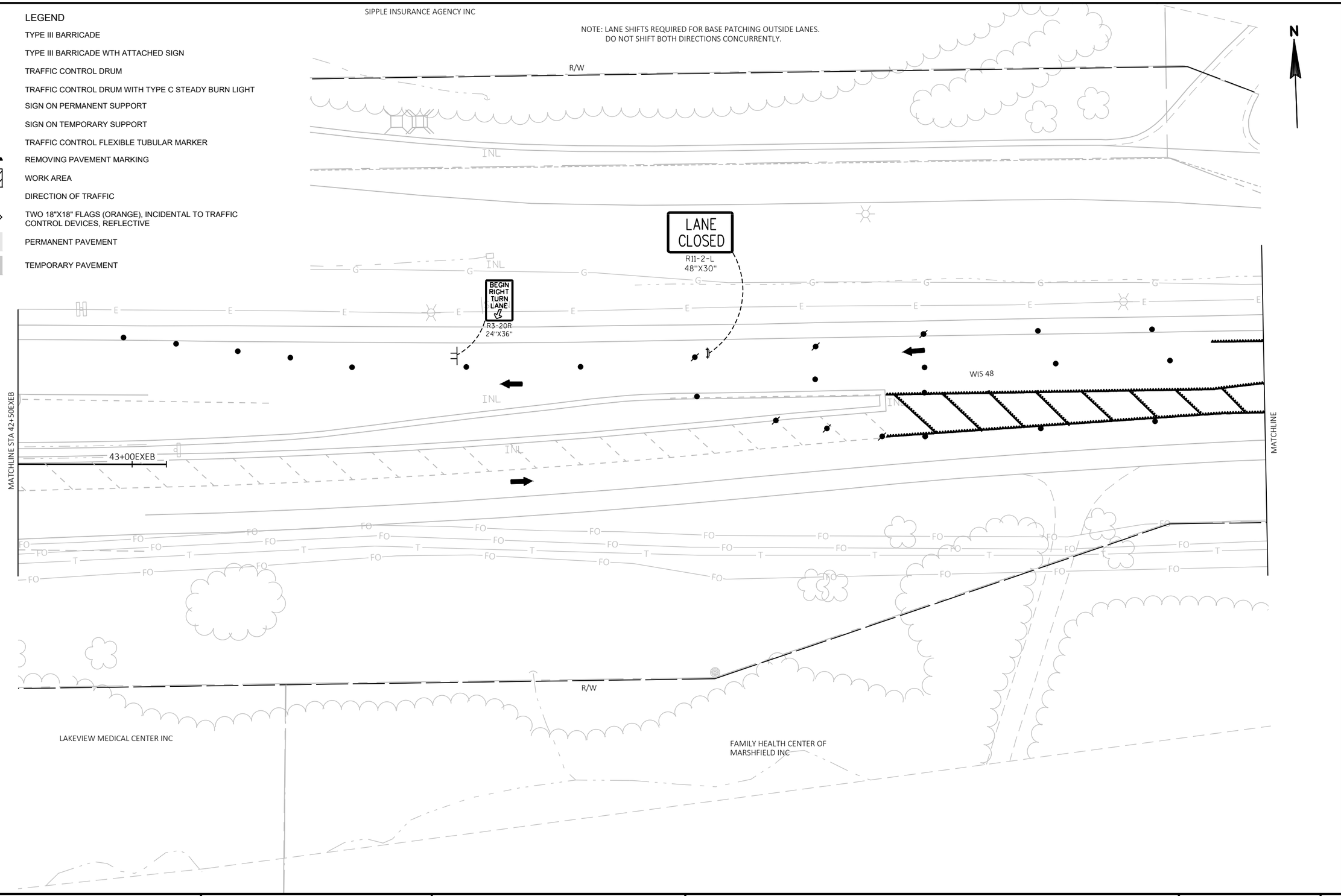
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

SIPPLE INSURANCE AGENCY INC

NOTE: LANE SHIFTS REQUIRED FOR BASE PATCHING OUTSIDE LANES.
DO NOT SHIFT BOTH DIRECTIONS CONCURRENTLY.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 213	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026007_s1

PLOT DATE : 7/24/2019 12:24 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N

W024-1L
48"X48"

SPEED LIMIT 35
R2-1
24"X30"

SPEED LIMIT 35
W03-5
48"X48"

400'

SEE SDD: TRAFFIC CONTROL ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC

R/W
INL
MATCHLINE
WIS 48
SIGN

2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 214	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026008_s1

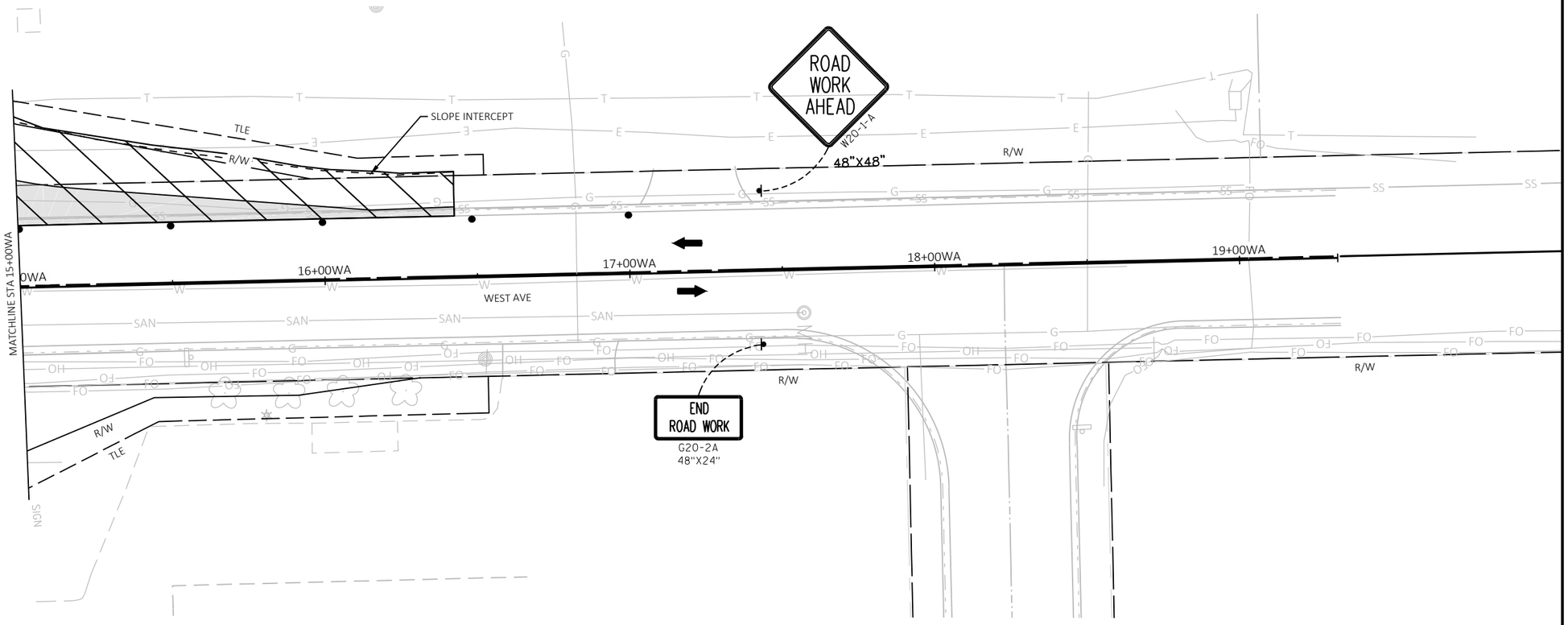
PLOT DATE : 7/24/2019 12:24 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N



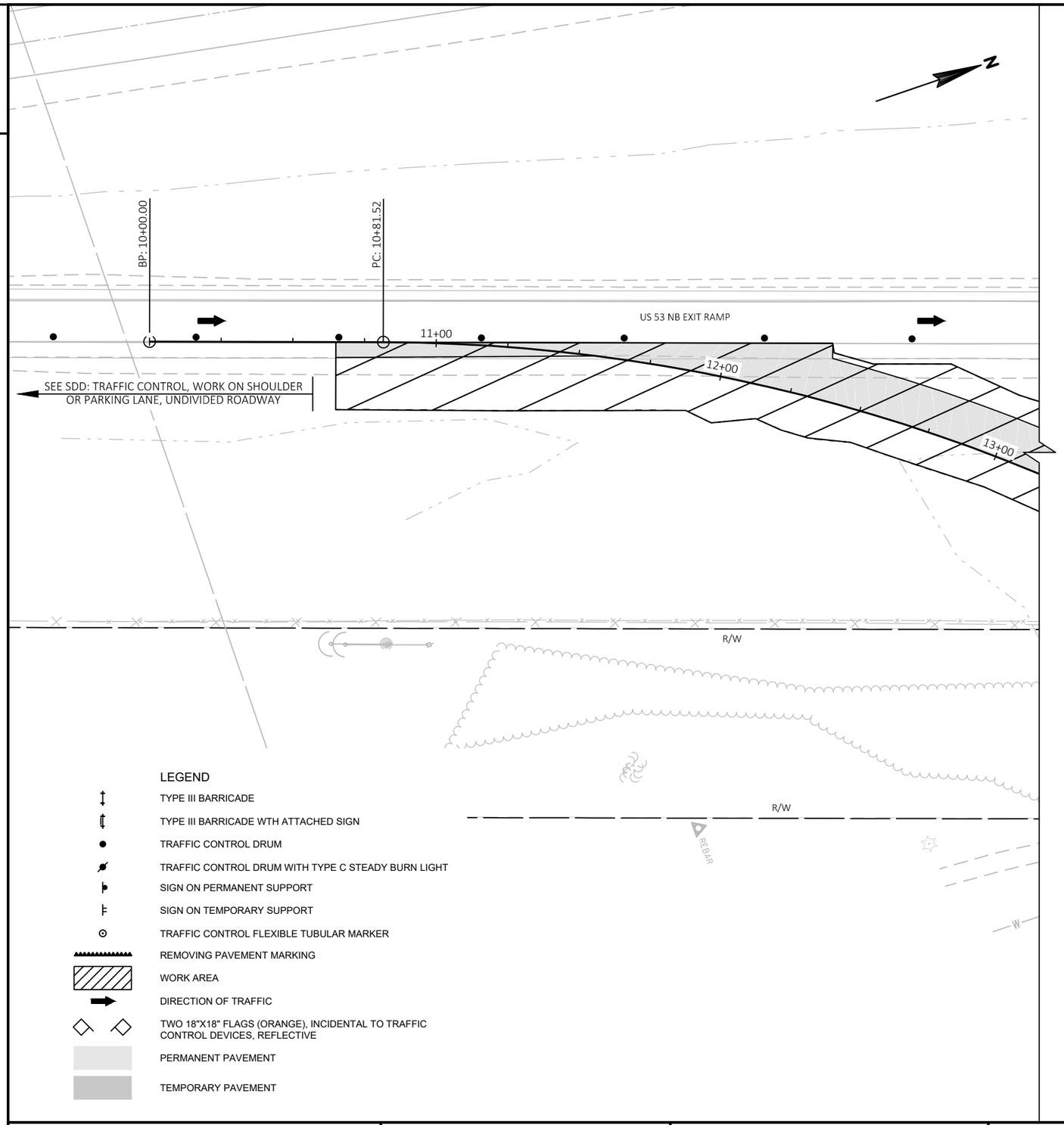
2

PROJECT NO: 1197-19-70	HWY: WIS 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 215	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1-SIDE ROADS.DWG
LAYOUT NAME - 026009_s1-Side Rds

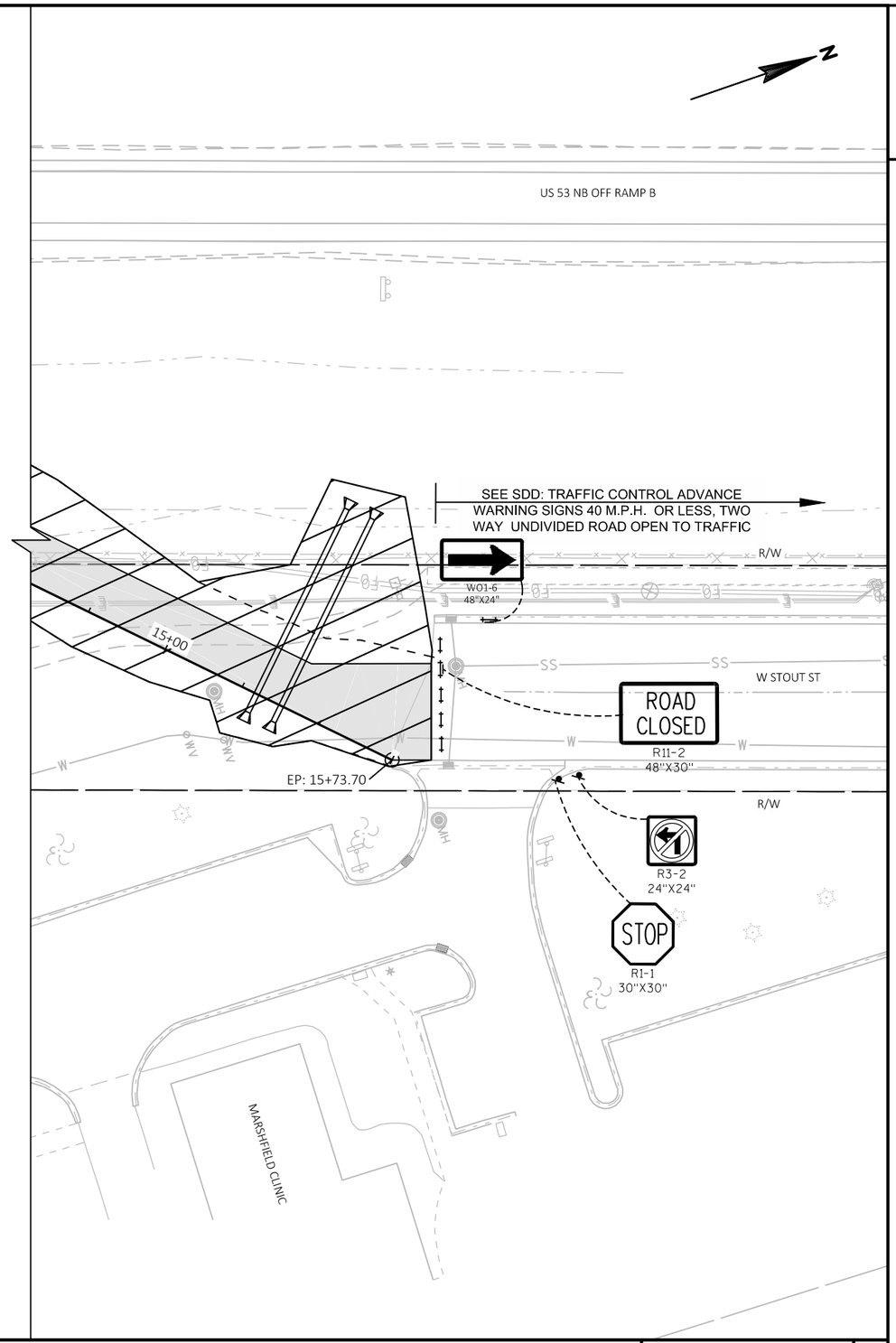
PLOT DATE : 7/24/2019 12:25 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



2

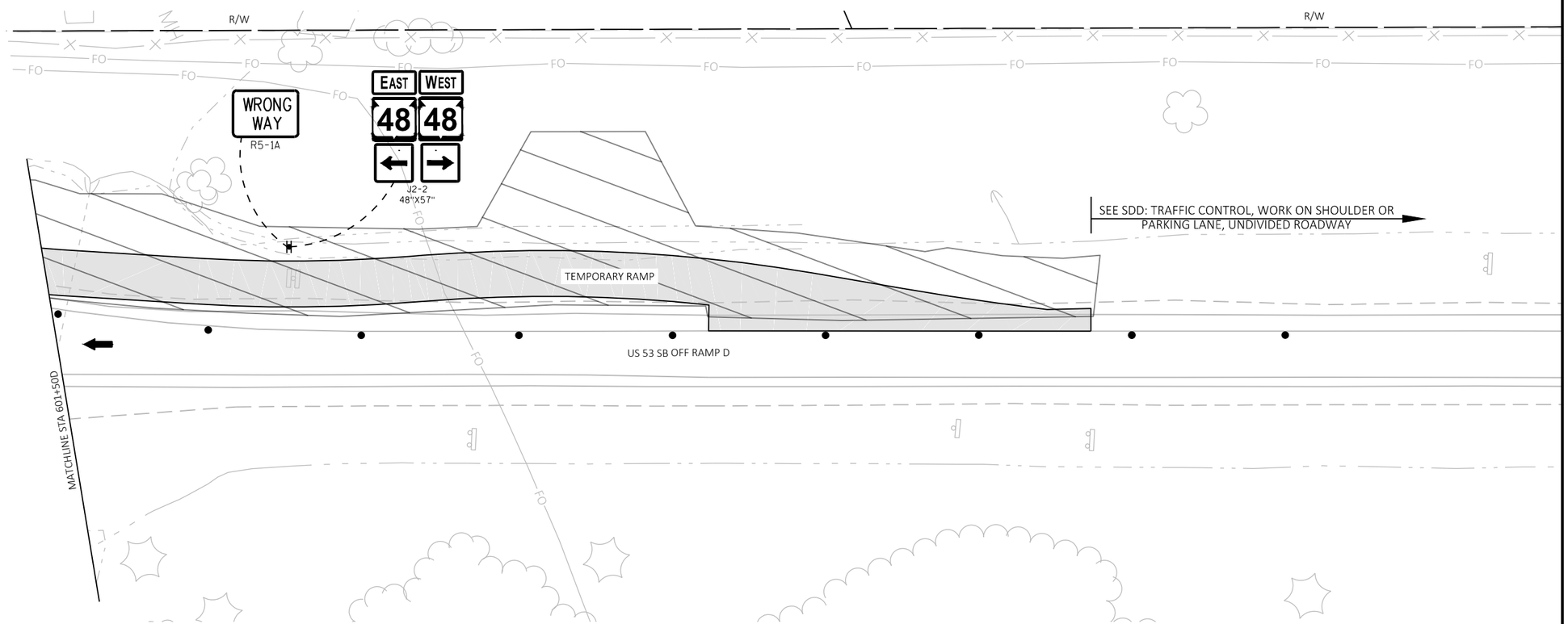
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 216	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1-SIDE ROADS.DWG
LAYOUT NAME - 026010_s1-Side Rds Stout
PLOT DATE : 7/24/2019 12:26 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



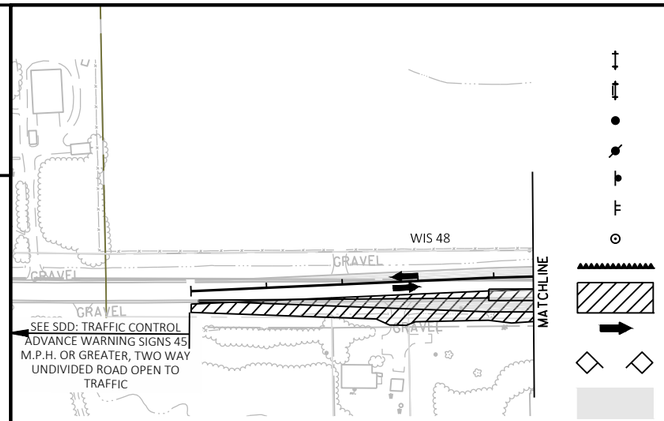
2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 1	SHEET 217	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S1- RAMP D.DWG
LAYOUT NAME - 026011_s1-Side Rds Ramp D

PLOT DATE : 7/24/2019 12:27 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

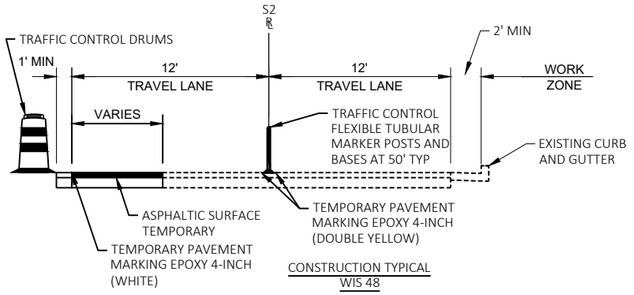
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

STAGE 2 SUMMARY
CONSTRUCT EASTBOUND PAVEMENT.

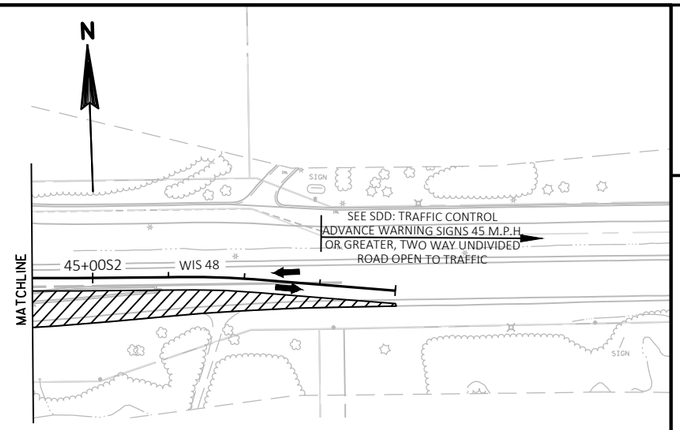
CONSTRUCT TEMPORARY PAVEMENT ALONG EASTBOUND LANE.

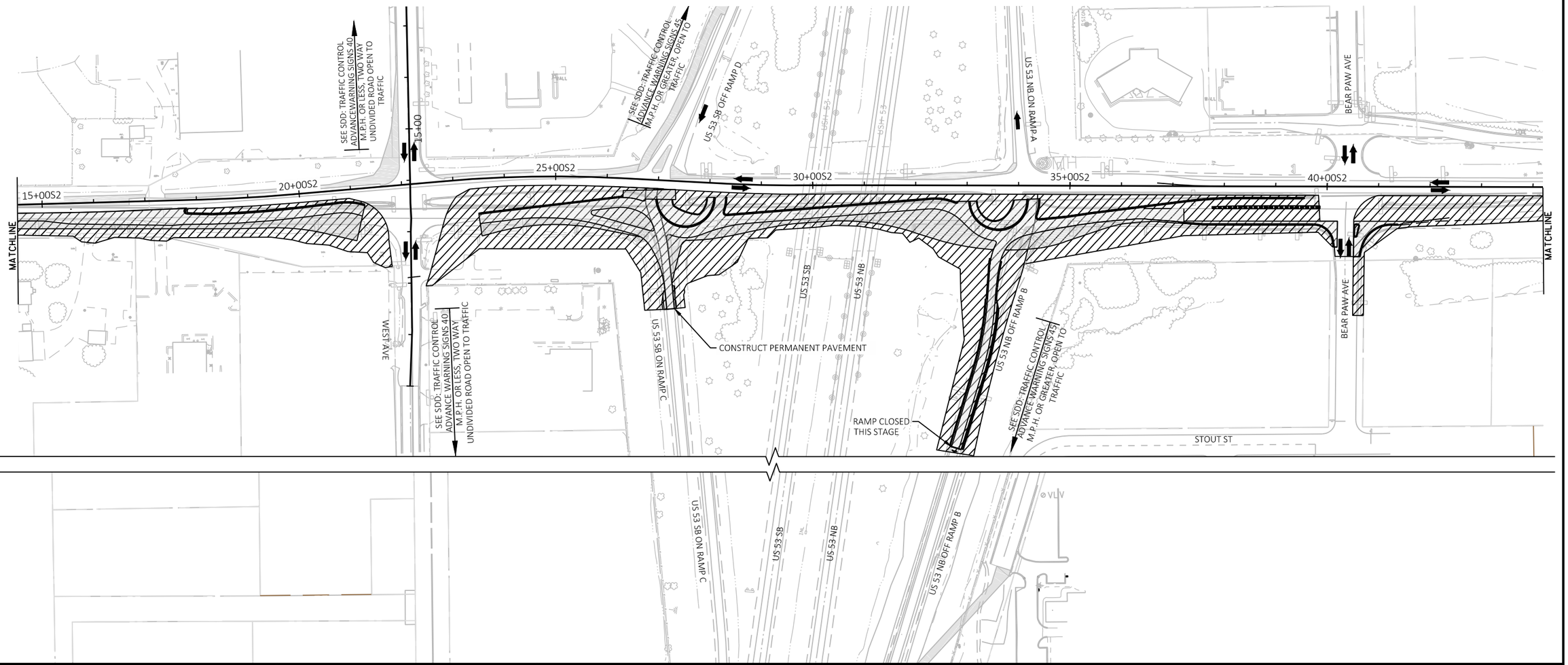
MAINTENANCE OF TRAFFIC
ALL WIS 48 TRAFFIC REDUCED TO SINGLE LANE IN EACH DIRECTION ALONG THE EXISTING WESTBOUND LANES.

SB ON RAMP CLOSED DURING THIS STAGE. ALL OTHER RAMPS, BEAR PAW AVENUE AND WEST AVENUE SHALL BE OPEN TO TRAFFIC.



CONSTRUCTION TYPICAL
WIS 48





PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2A OVERVIEW	SHEET 218	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S2A-OVERVIEW.DWG
LAYOUT NAME - 026000_s2a-Overview
PLOT DATE : 7/24/2019 12:29 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

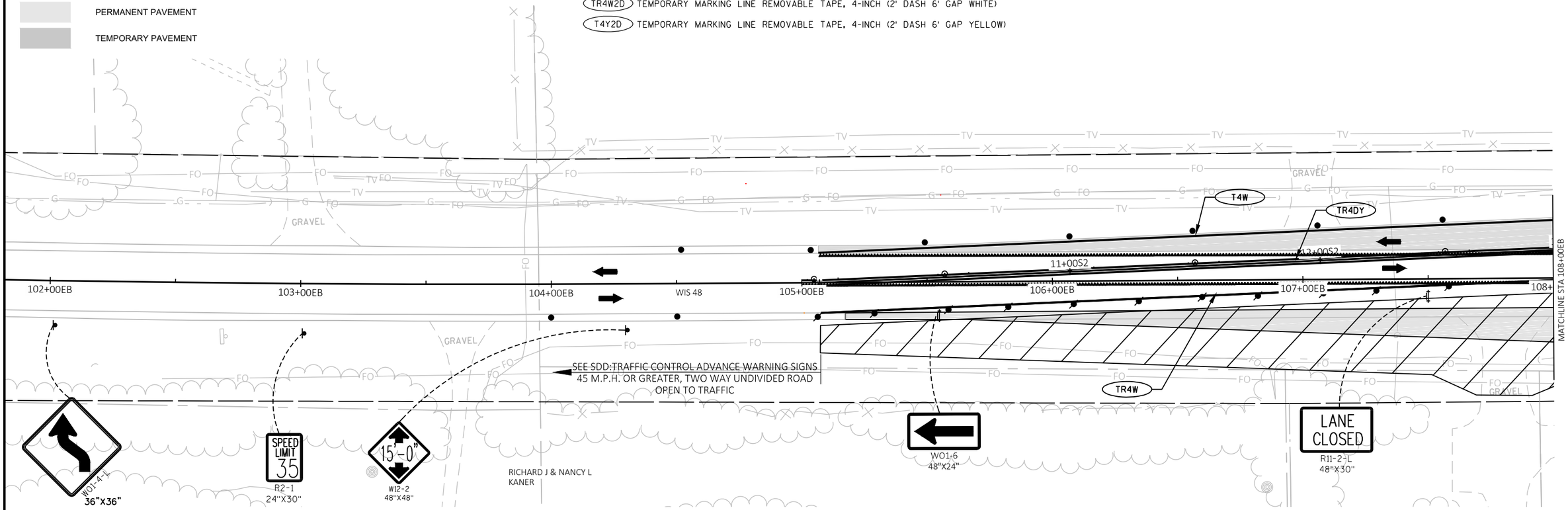
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W — TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y — TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY — TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W — TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW — TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D — TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W — TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW — TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 219	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026001_s2
PLOT DATE : 7/24/2019 12:31 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

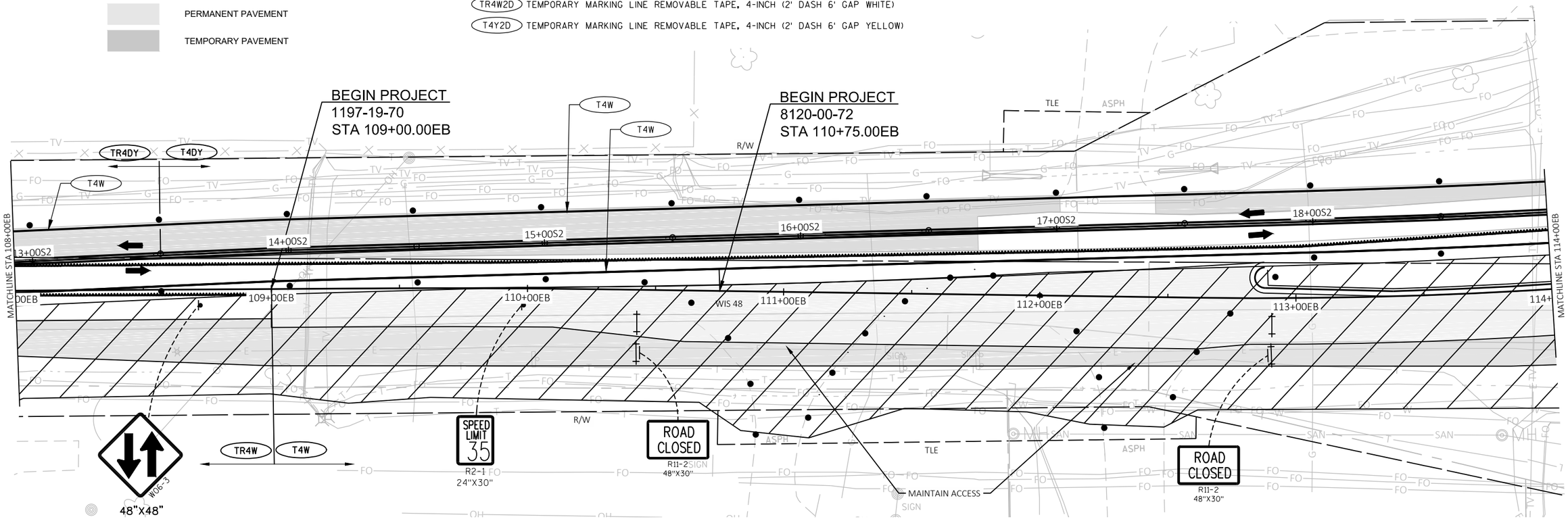
N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 220	E

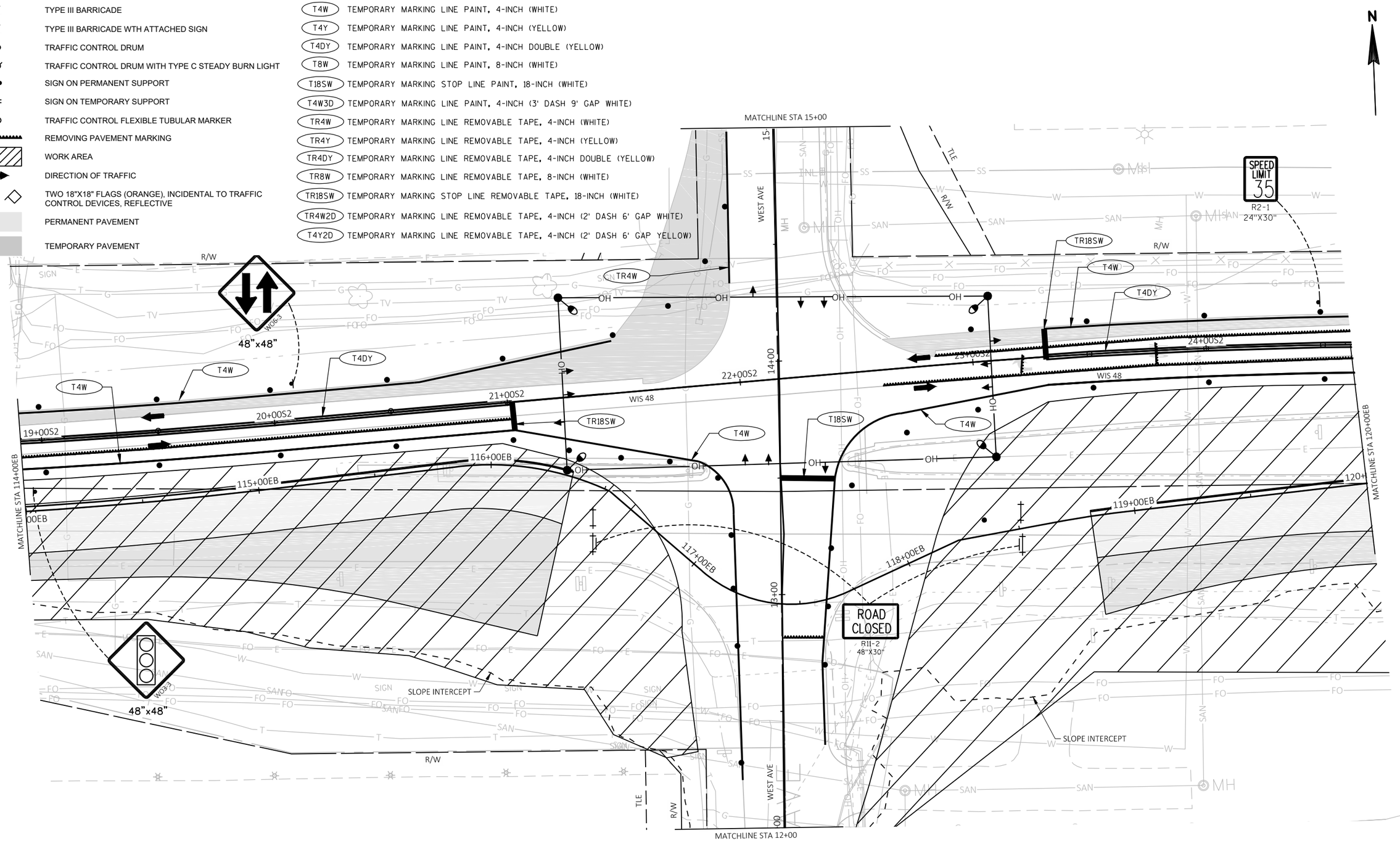
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026002_s2
PLOT DATE : 7/24/2019 12:31 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2 A	SHEET 221	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026003_s2

PLOT DATE : 7/24/2019 12:31 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

MATCHLINE STA 601+50D

H
D9-2
24"X24"

DO NOT ENTER
R5-1
30"X30"

M86-1
21"X21"

R/W

W03-3
48"x48"

STOP
R1-1
30"X30"

US 53 SB OFF RAMP D

T4Y

R3-2
24"X24"

R3-1
24"X24"

R3-2
24"X24"

TR18SW

DO NOT ENTER
R5-1
30"X30"

ROAD CLOSED
R11-2
48"X30"

INSTALL TEMPORARY SIGNAL

T4W
T4DY
T4W
T4W
T4DY
TR4W
T4W
TR4W
T4W
TR4W
T4W

25+00S2
26+00S2
27+00S2
28+00S2
29+00S2
30+00S2

WIS 48

MATCHLINE STA 120+00EB

121+00EB
122+00EB
123+00EB
124+00EB
125+00EB
126+00

MATCHLINE STA 126+00EB

15'-0"
W12-2
48"x48"

W01-7
48"X24"

510+00C

509+00C

US 53 SB ON RAMP C

W06-3
48"X48"

NORTH
53
J2-1
SIZE

US 53 SB

SPEED LIMIT 35
R2-1
24"X30"

SLOPE INTERCEPT

SLOPE INTERCEPT

HARN

R/W

MATCHLINE STA 508+45C

SEE DETOUR PLAN - STAGE 2A FOR US 53 SB

OH
FO
SAN
W
G
E
T

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2A	SHEET 222	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026004_s2

PLOT DATE : 7/24/2019 12:31 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

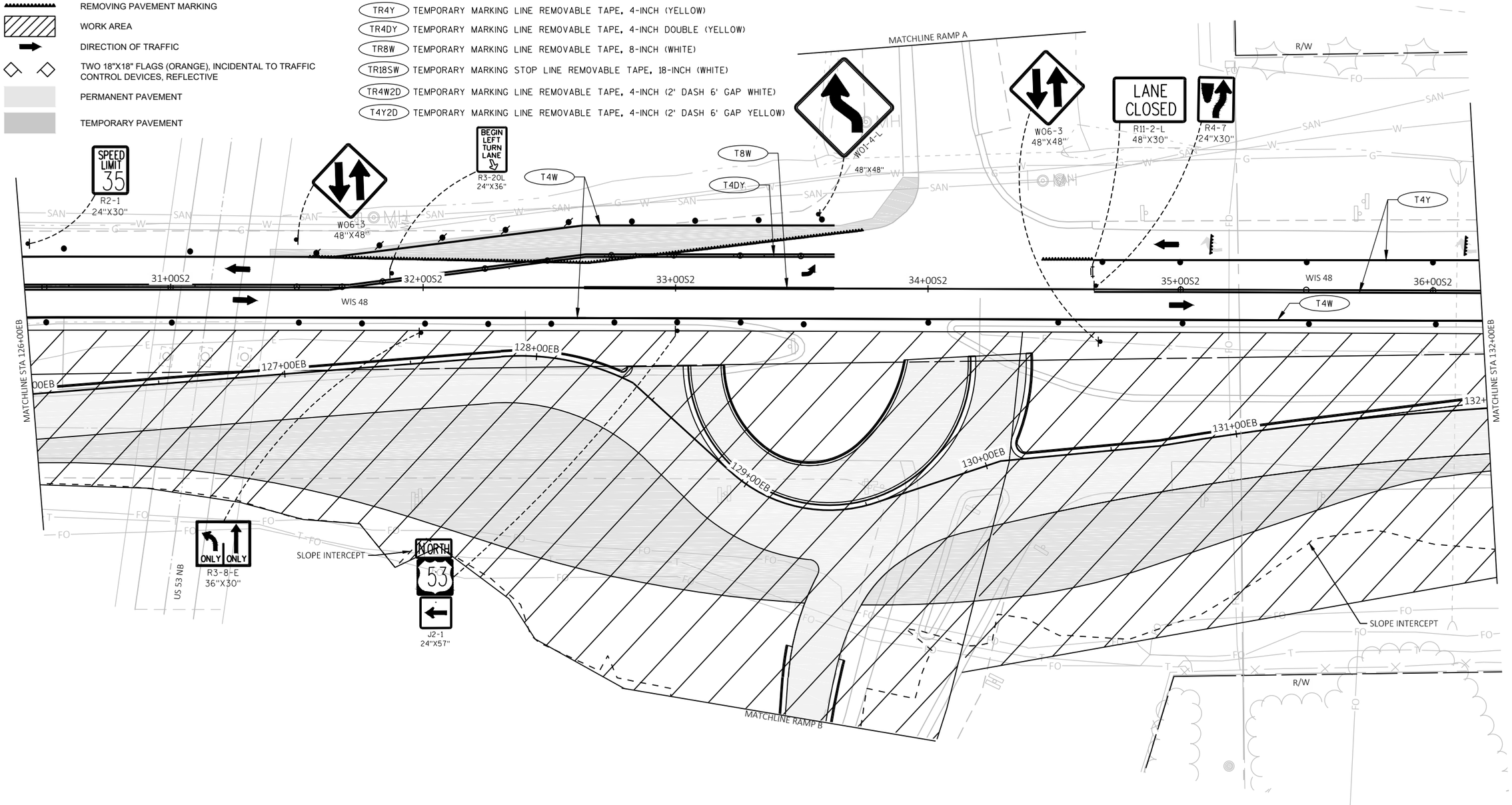
WISDOT/CADDS SHEET 44

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 223	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026005_s2

PLOT DATE : 7/24/2019 12:31 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- MB

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

15'-6"
W12-2
48"X48"

W01-4-R
48"X48"

WIS 48

T4Y
T4DY
T4W
T18SW

37+00S2
38+00S2
39+00S2
40+00S2
41+00S2
42+00S2

MATCHLINE STA 132+00EB
133+00EB
134+00EB
135+00EB
136+00EB
137+00EB
MATCHLINE STA 138+00EB

SLOPE INTERCEPT

ROAD CLOSED
R11-2
48"X30"

W03-3
48"X48"

R/W
BEAR PAW AVE
CITY OF RICE LAKE
LAKEVIEW MEDICAL CENTER INC

LANE CLOSED
R11-2-L
48"X30"

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 224	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026006_s2

PLOT DATE : 7/24/2019 12:31 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

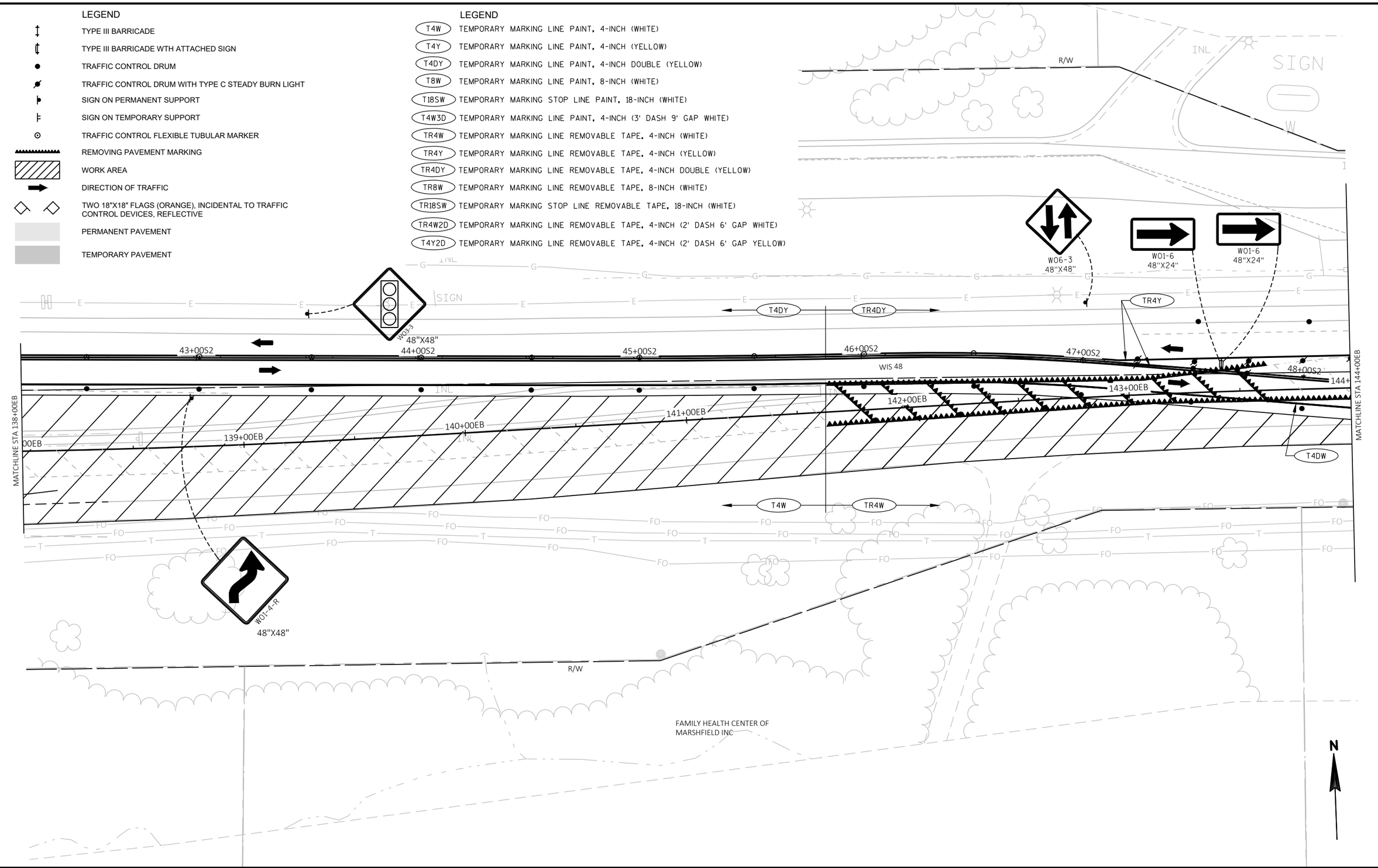
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 225	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026007_s2

PLOT DATE : 7/24/2019 12:32 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

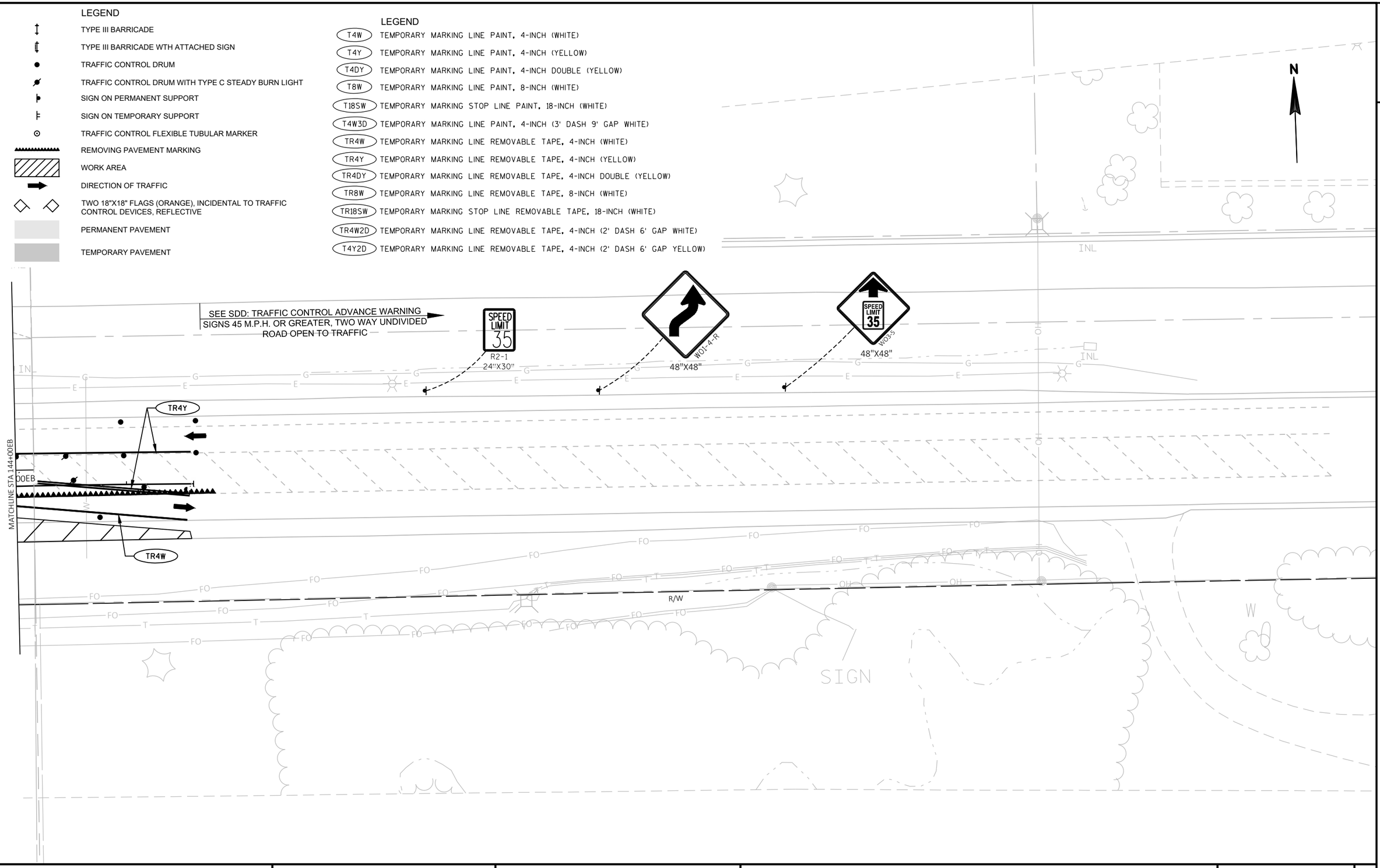
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 226	E

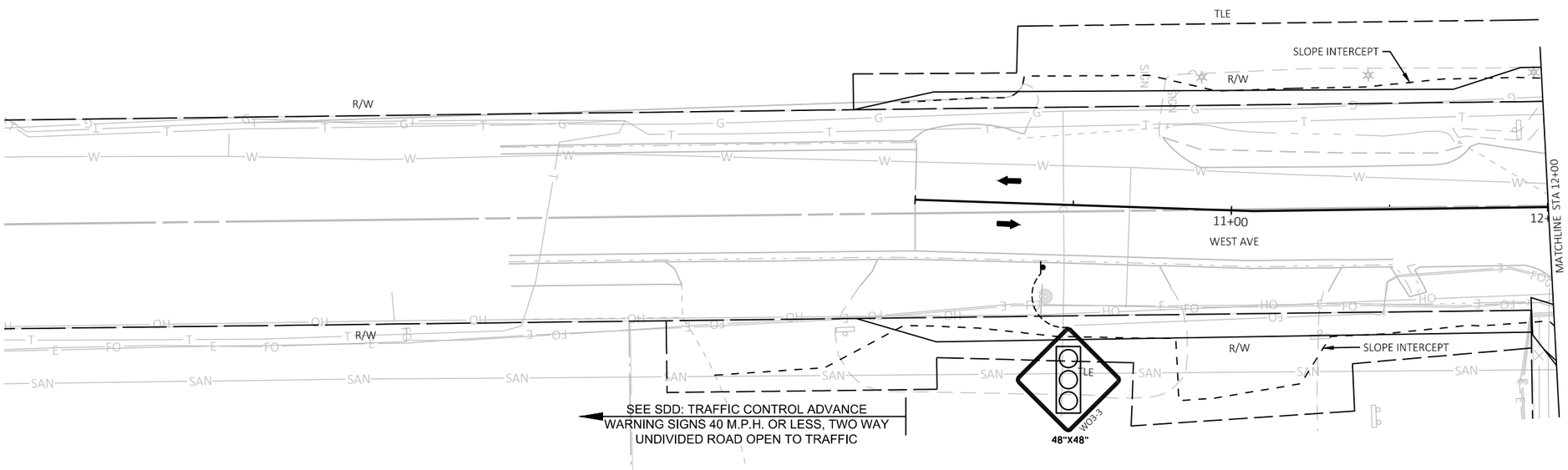
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A.DWG
LAYOUT NAME - 026008_s2

PLOT DATE : 7/24/2019 12:32 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 227	E

2

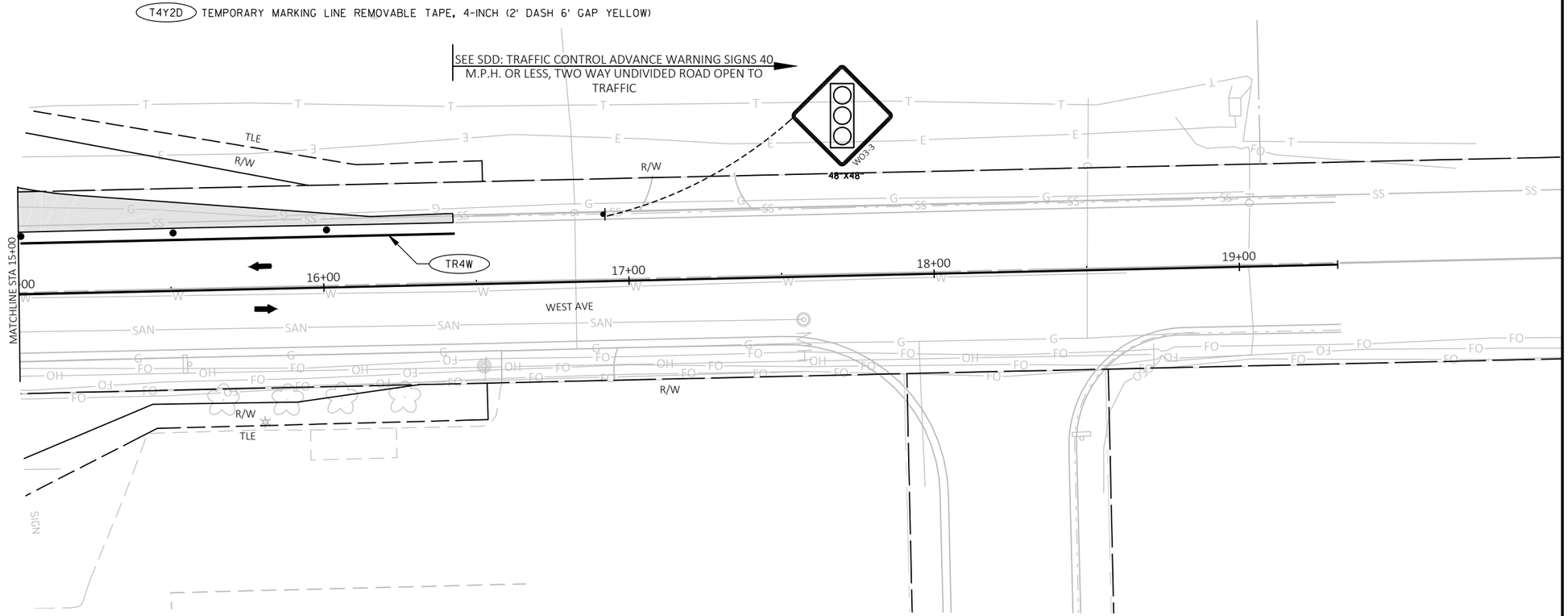
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N



2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 228	E

2

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

US 53 NB

N

ROAD WORK AHEAD W20-1A 48"X48"

ROAD WORK AHEAD W20-1A 48"X48"

PLACE 2500' FROM GORE

R11-2R 48" X 30" RAMP CLOSED

TYPE III BARRICADE

WO1-6 48" X 24"

TYPE III BARRICADE

TR4Y

TR4W

US 53 NB OFF RAMP B

350'

SPEED LIMIT 25 WO3-5 48"X48"

WO1-2R 48"X48"

25 MPH WO13-1 36"X36"

WO1-1 48"X48"

WRONG WAY R5-1A 36"X24"

T4Y

T4W

R/W

R/W

REBAR

DO NOT ENTER R5-1 30"X30"

MATCHLINE STA 15+00

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

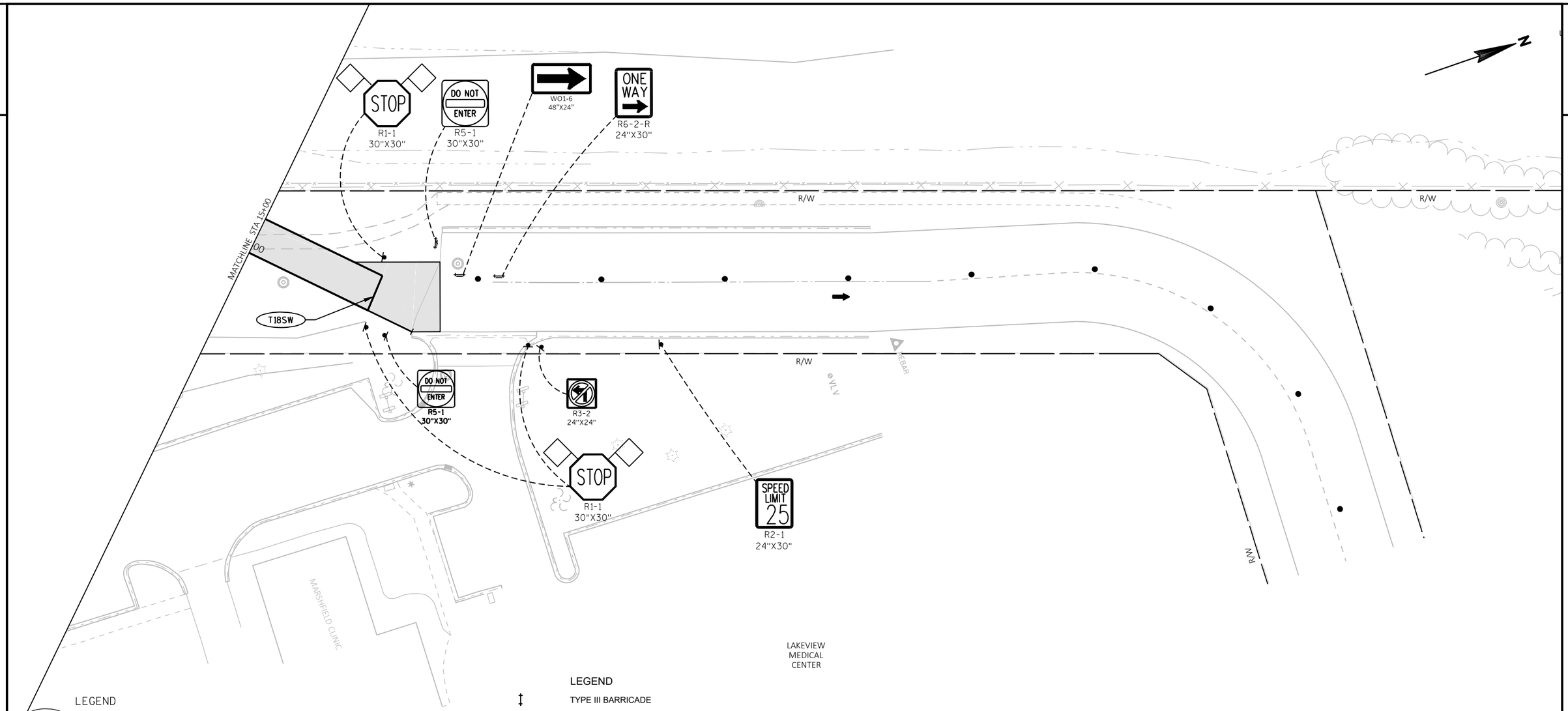
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 229	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026010_S2-SIDE RDS.DWG
LAYOUT NAME - 026011_s2-Side Rds

PLOT DATE : 7/24/2019 12:35 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

LEGEND

	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
	REMOVING PAVEMENT MARKING
	WORK AREA
	DIRECTION OF TRAFFIC
	TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
	PERMANENT PAVEMENT
	TEMPORARY PAVEMENT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 230	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026010_S2-SIDE RDS.DWG
LAYOUT NAME - 026012_s2-Side Rds
PLOT DATE : 7/24/2019 12:35 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

D9-2
24"X24"

M6-1
21"X21"

BEAR PAW AVE

W STOUT ST

R/W

R/W

R/W

R/W

T0
48
J22-1
24"X57"

TR8W

T0
48
J22-1
24"X57"

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

LEGEND

	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
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	WORK AREA
	DIRECTION OF TRAFFIC
	TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
	PERMANENT PAVEMENT
	TEMPORARY PAVEMENT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 231	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026010_S2-SIDE RDS.DWG
LAYOUT NAME - 026013_s2-Side Rds

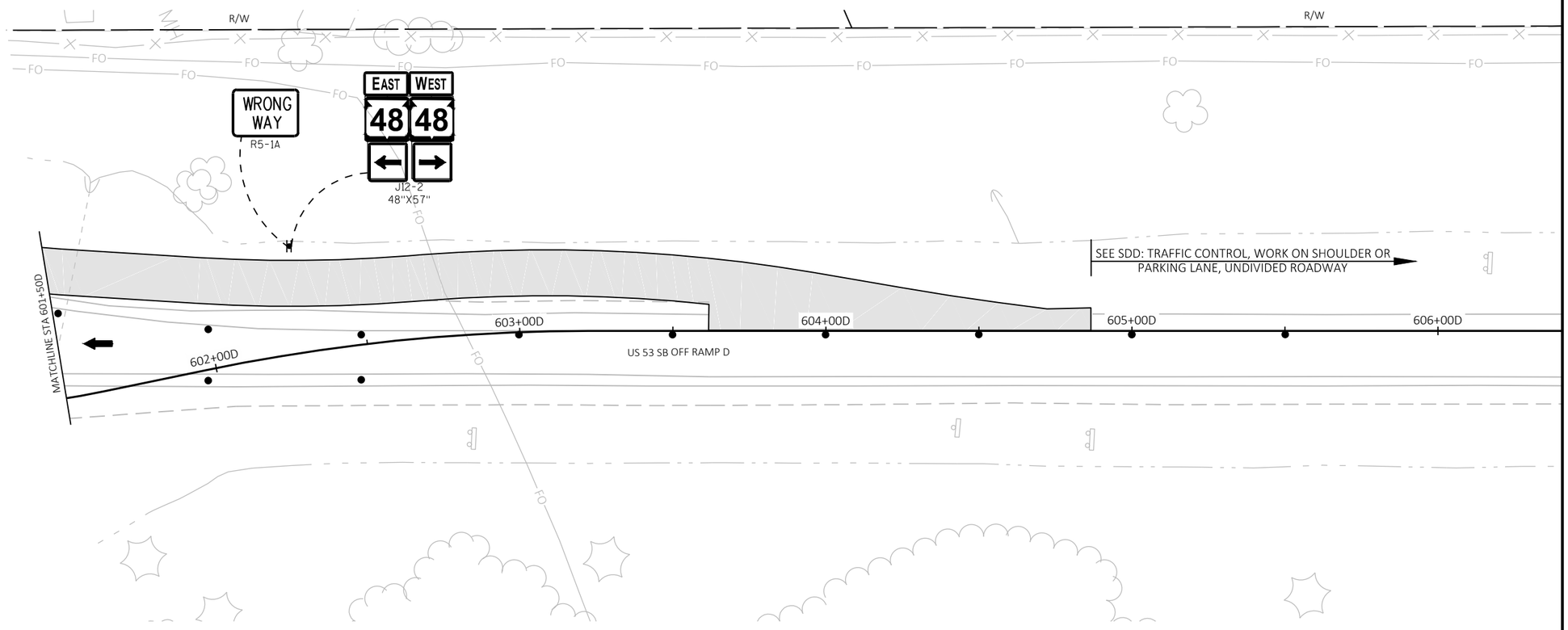
PLOT DATE : 7/24/2019 12:35 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

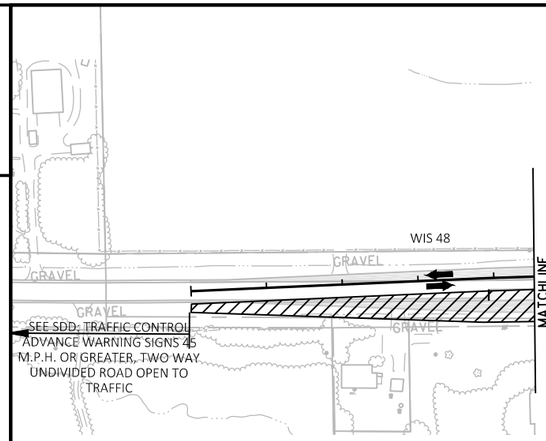


2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2	SHEET 232	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2A-SIDE ROADS.DWG
LAYOUT NAME - 026013_s2-Side Rds
PLOT DATE : 7/24/2019 12:36 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

STAGE 2 SUMMARY
CONSTRUCT EASTBOUND PAVEMENT.

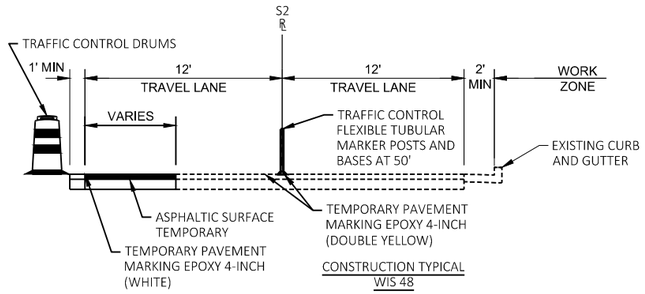
CONSTRUCT TEMPORARY PAVEMENT ALONG EASTBOUND LANE.

MAINTENANCE OF TRAFFIC
ALL WIS 48 TRAFFIC REDUCED TO SINGLE LANE IN EACH DIRECTION ALONG THE EXISTING WESTBOUND LANES.

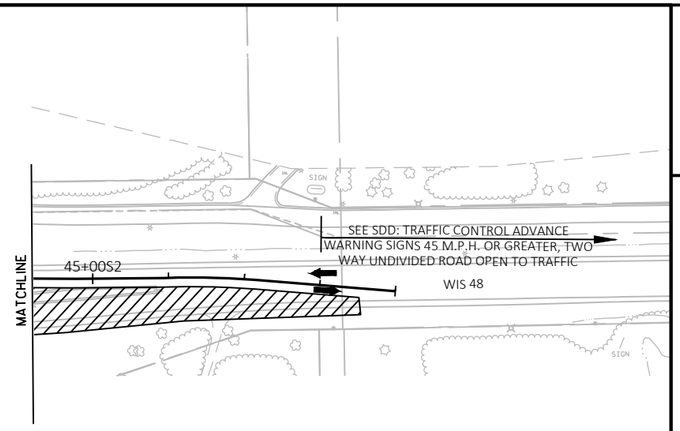
ALL RAMPS, BEAR PAW AVENUE AND NORTH LEG OF WEST AVENUE SHALL BE OPEN TO TRAFFIC.

SOUTH LEG OF WEST AVENUE CLOSED DURING THIS STAGE 2B.

N



CONSTRUCTION TYPICAL
WIS 48



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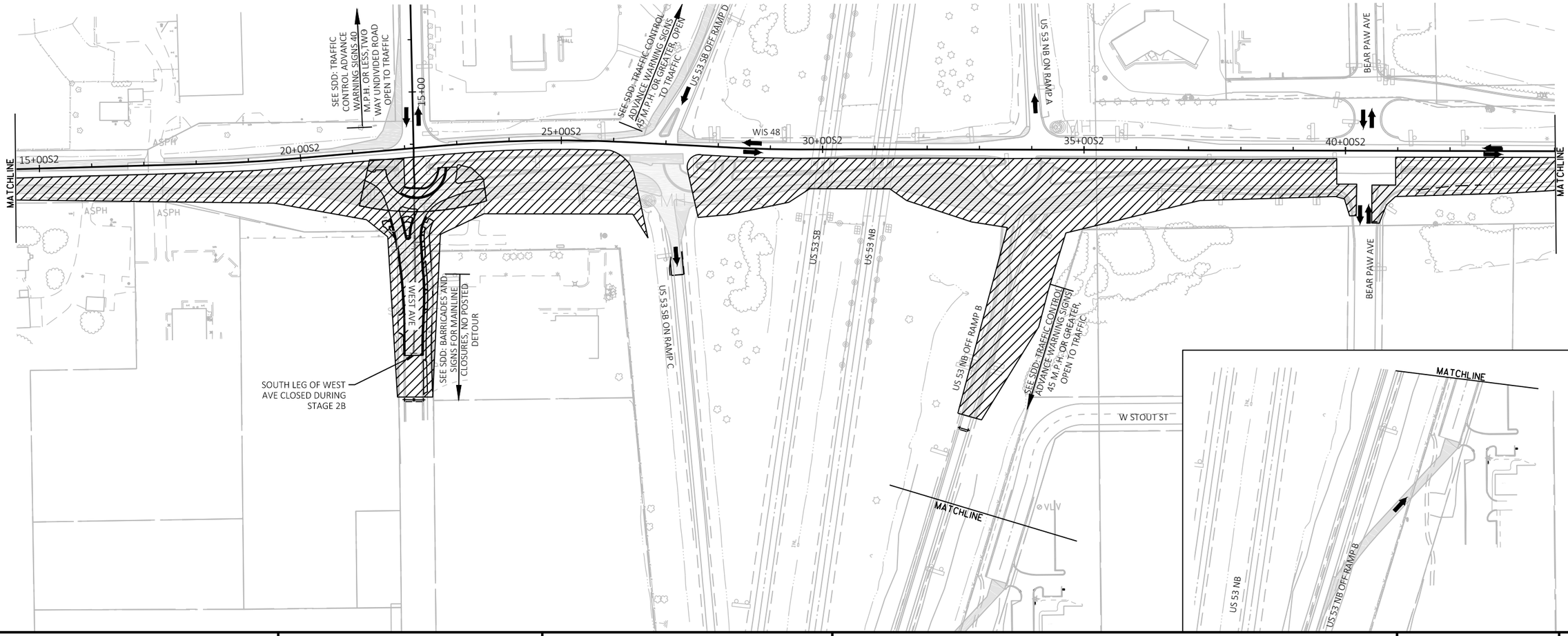


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2B OVERVIEW	SHEET 233	E

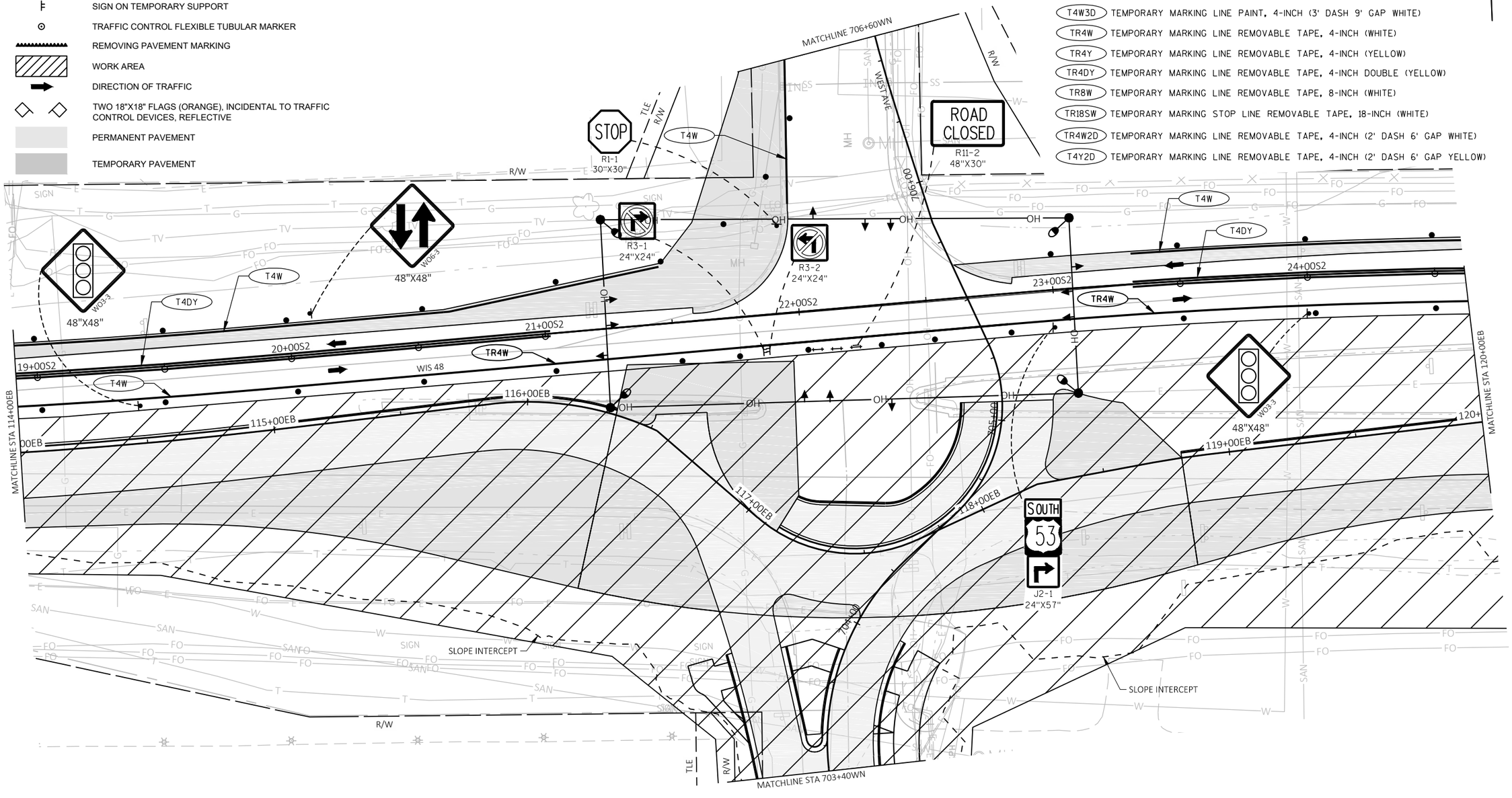
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2B	SHEET 234	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

MATCHLINE STA 601+50D

D9-2 24"X24"

M86-1 21"X21"

DO NOT ENTER R5-1 30"X30"

STOP R1-1 30"X30"

US 53 SB OFF RAMP D

T4Y

R3-2 24"X24"

DO NOT ENTER R5-1 30"X30"

T4W

W03-3 48"X48"

TR18SW

25+00S2

26+00S2

27+00S2

28+00S2

29+00S2

30+00S2

WIS 48

TR4W

MATCHLINE STA 120+00EB

121+00EB

122+00EB

123+00EB

124+00EB

125+00EB

126+00

MATCHLINE STA 126+00EB

510+00C

509+00C

508+00C

SLOPE INTERCEPT

US 53 SB ON RAMP C

MATCHLINE STA 508+45C

TR4Y

W12-2 48"X48"

15'-0"

W06-3 48"X48"

NORTH 53 J2-1 24"X57"

US 53 SB

R/W

HARN

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 2B	SHEET 235	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2B.DWG
LAYOUT NAME - 026004_s2b

PLOT DATE : 7/24/2019 12:40 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

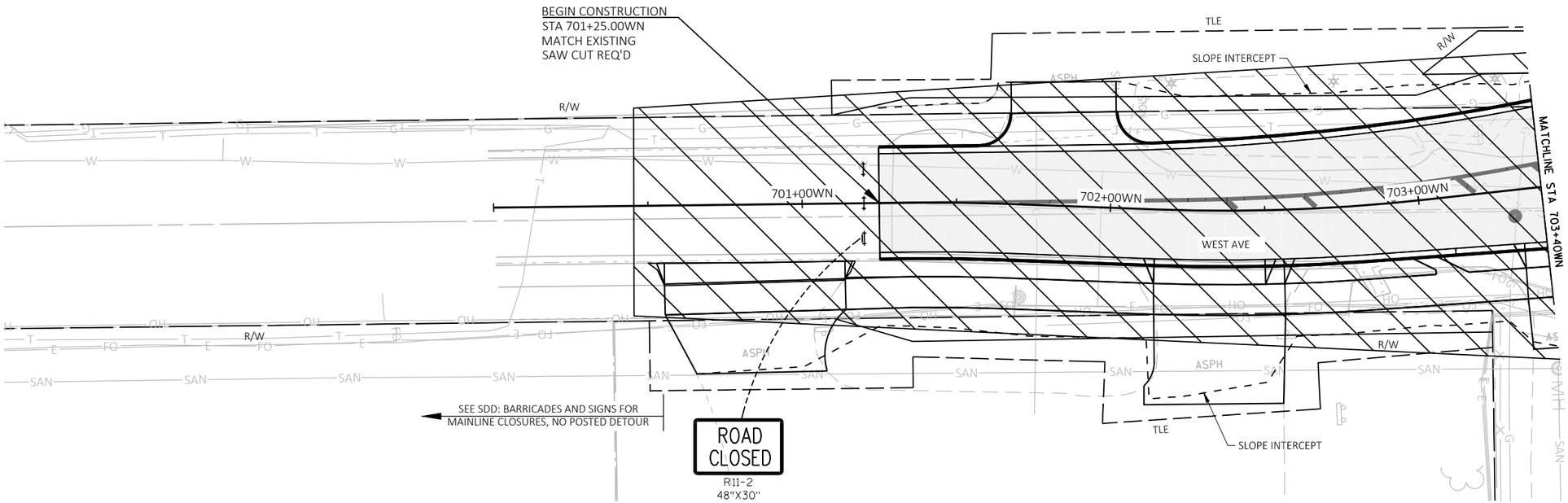
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH, DOUBLE (YELLOW)
T8W	TEMPORARY PAVEMENT MARKING PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY PAVEMENT MARKING PAINT, 18-INCH (WHITE)
TR4W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 18-INCH (WHITE)
T4W2D	2' DASH 6' GAP (WHITE)
TR4W2D	TAPE 2' DASH (WHITE)
T4W3D	3' DASH 9' GAP

N



2

LEGEND

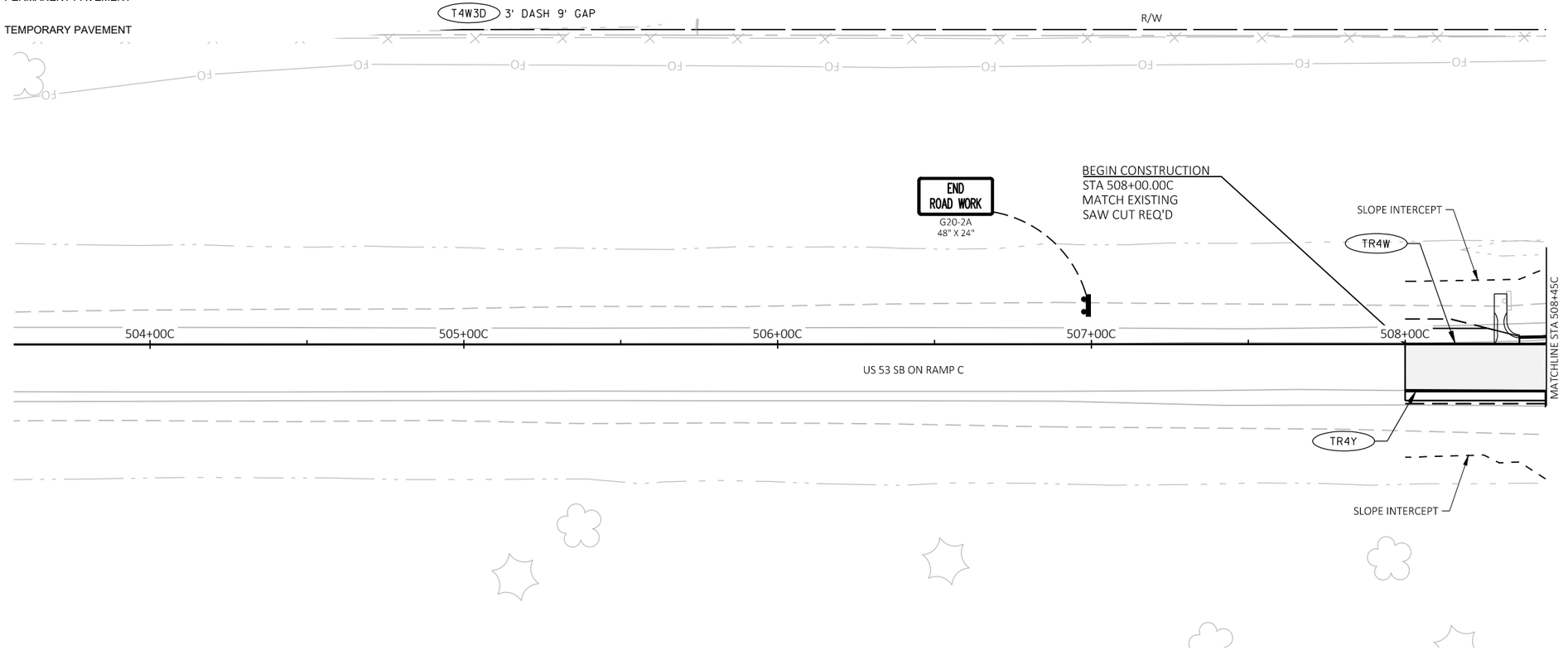
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH, DOUBLE (YELLOW)
T8W	TEMPORARY PAVEMENT MARKING PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY PAVEMENT MARKING PAINT, 18-INCH (WHITE)
TR4W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 18-INCH (WHITE)
T4W2D	2' DASH 6' GAP (WHITE)
TR4W2D	TAPE 2' DASH (WHITE)
T4W3D	3' DASH 9' GAP

N

2



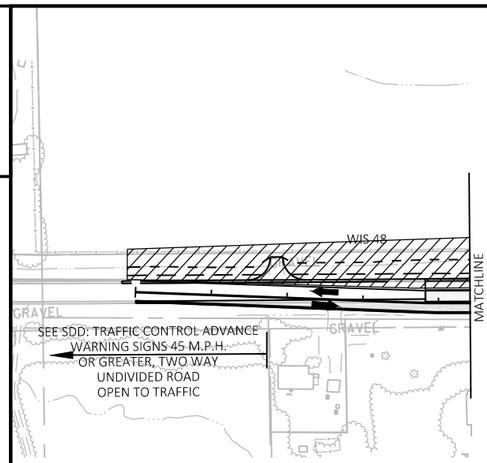
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGING 2B	SHEET 237	E

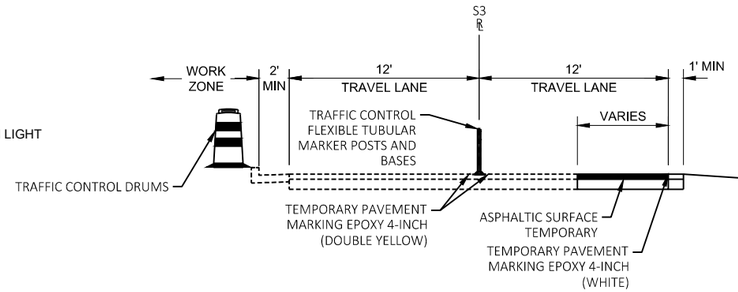
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S2B-SIDE ROADS.DWG
LAYOUT NAME - 026012_s2b-Side Rds
PLOT DATE : 7/24/2019 12:42 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

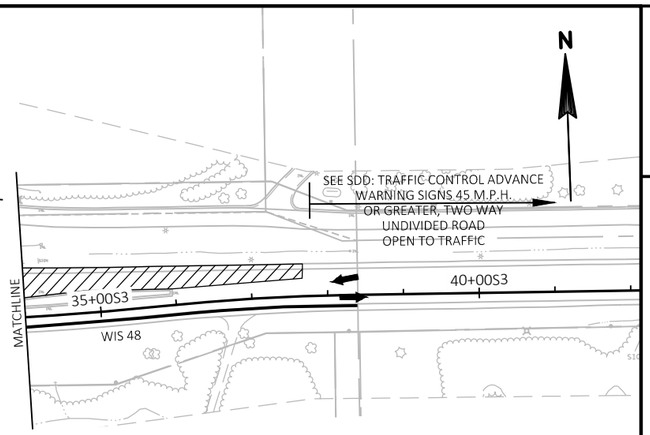
LEGEND

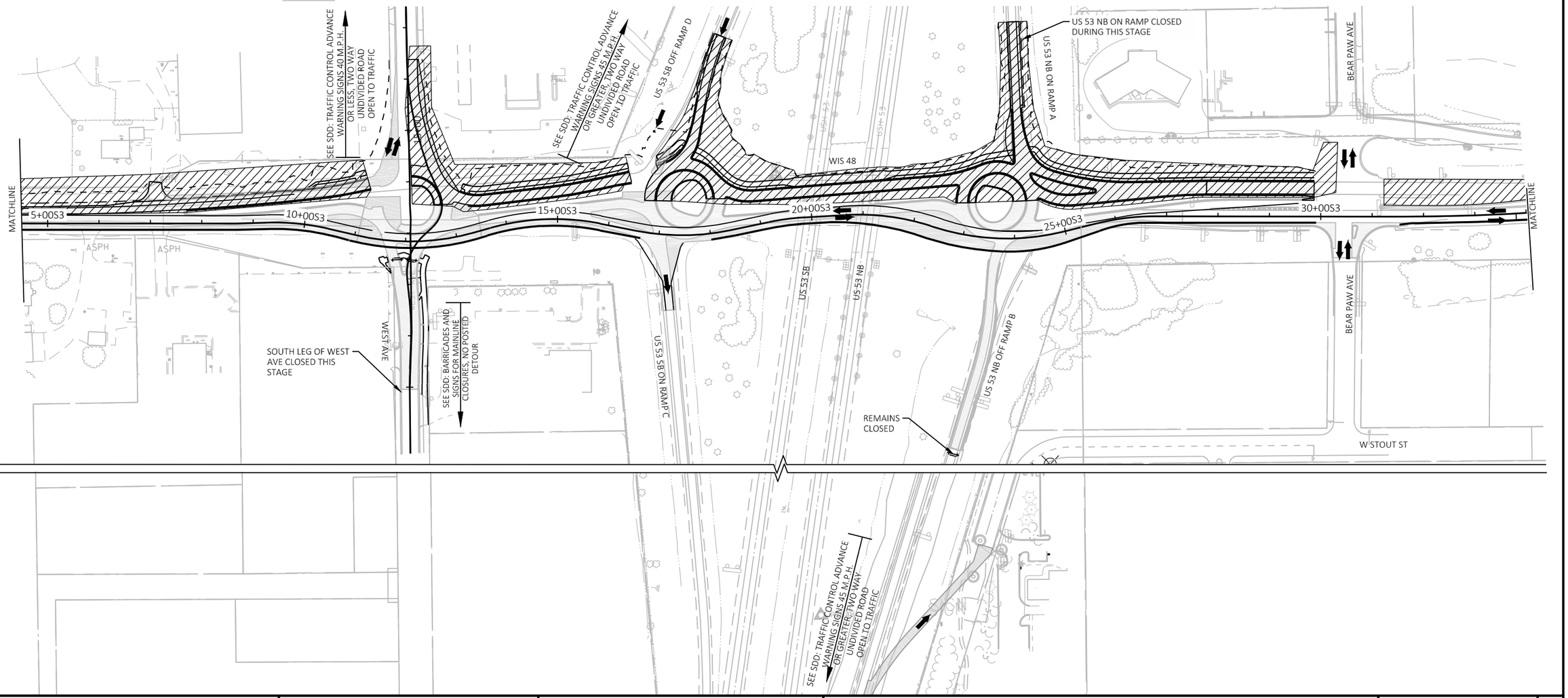
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT





CONSTRUCTION TYPICAL
WIS 48





PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3A OVERVIEW	SHEET 238	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S3A-OVERVIEW.DWG
LAYOUT NAME - 026000_s3a-Overview
PLOT DATE : 7/24/2019 12:43 PM
PLOT BY : DAVID YAHNKE
PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

LEGEND

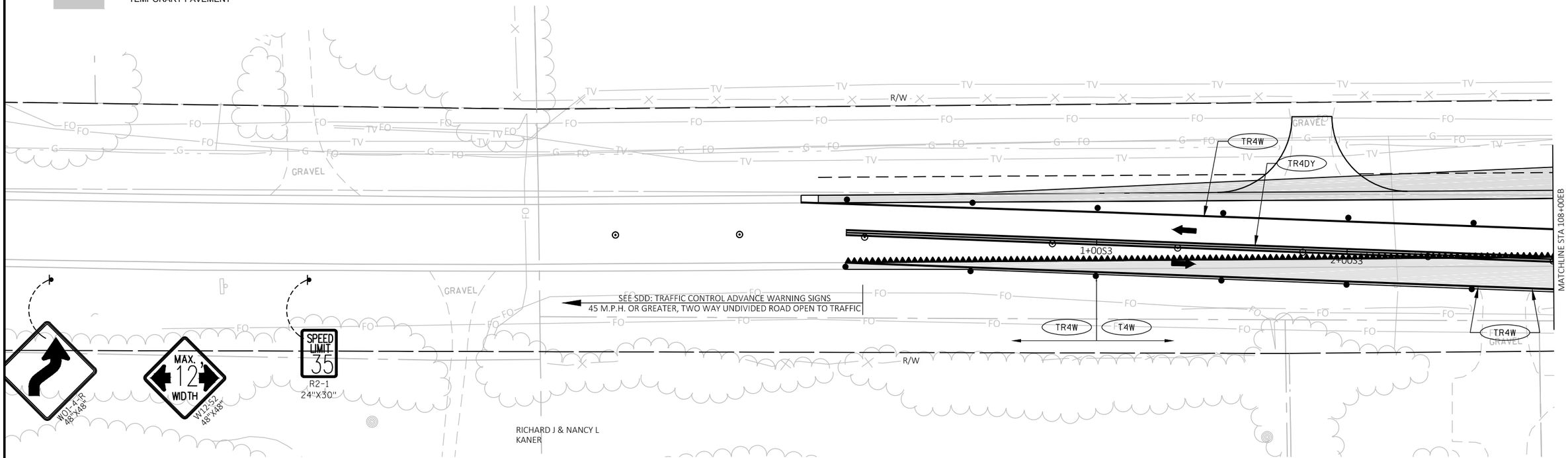
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 239	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A.DWG
LAYOUT NAME - 026001_s3a
PLOT DATE : 7/24/2019 12:45 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

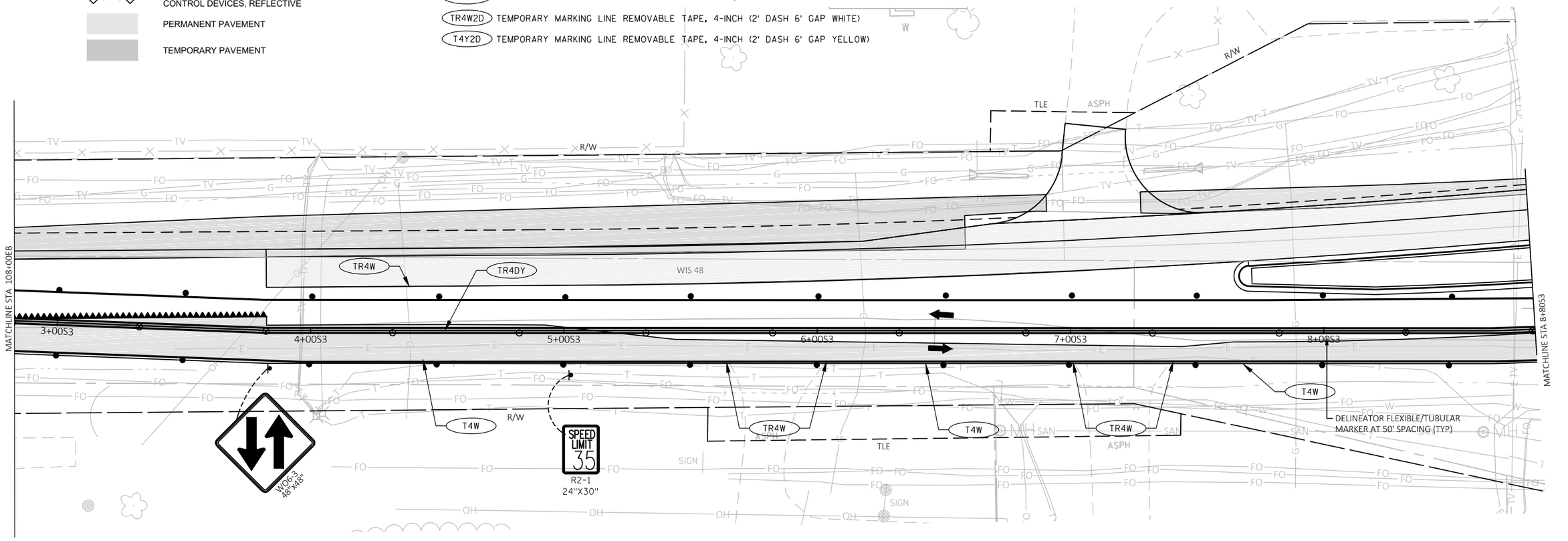
N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 240	E

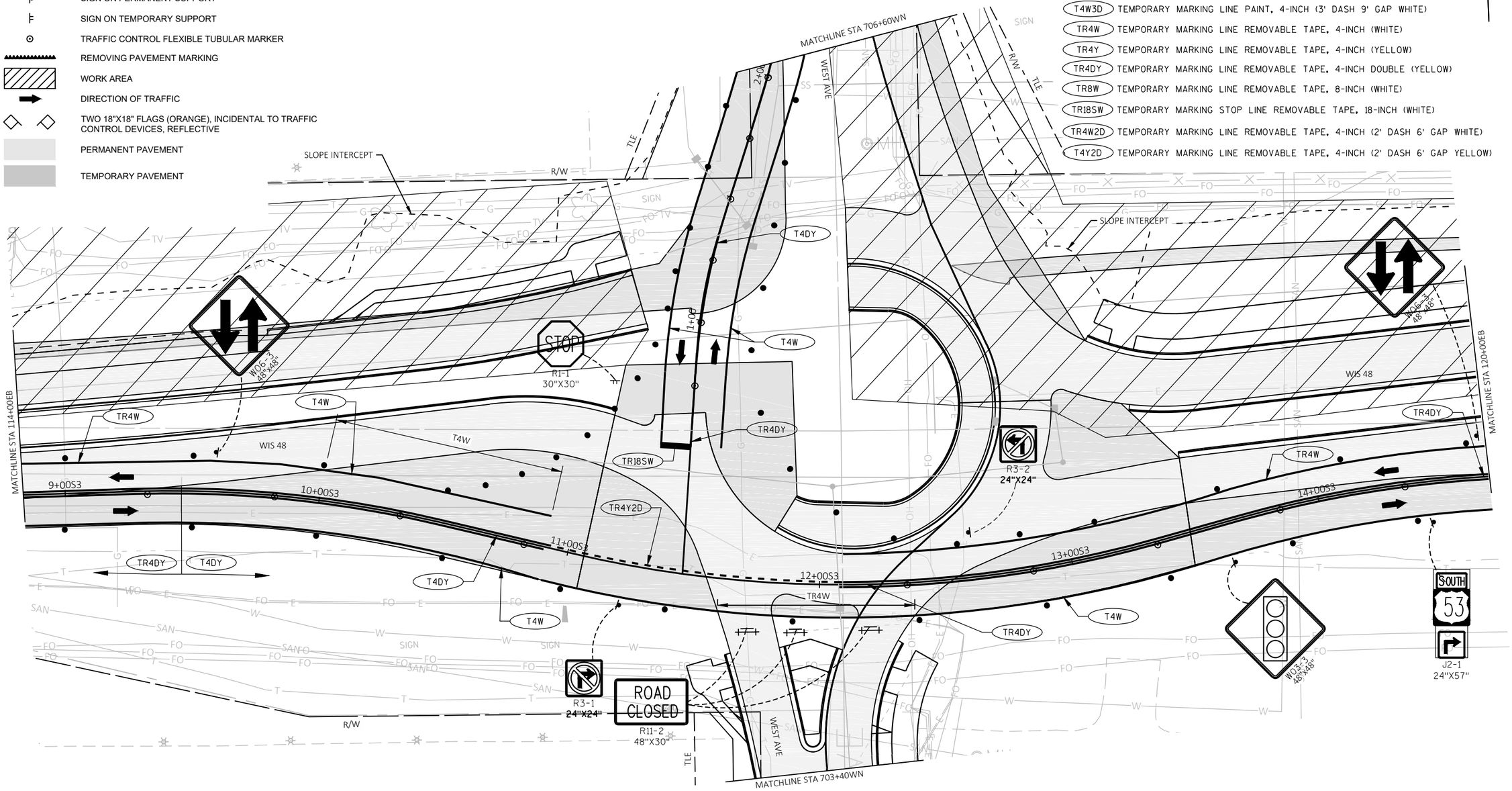
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W — TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y — TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY — TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W — TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW — TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D — TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W — TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW — TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

2

H
D9-2
24"X24"

DO NOT ENTER
R5-1
30"X30"

M6-1
21"X21"

PC: 12+17.81

MATCHLINE STA 601+50D

12+00

T4W

T4Y

PT: 11+56.90

SLOPE INTERCEPT

US 53 SB OFF RAMP D

60+00C

OH

R/W

11+00

SLOPE INTERCEPT

W08-3
48"X48"

SOUTH
53
J2-1
24"X57"

PC: 10+61.42

WIS 48

TR4W

TR4W2D

TR18SW

50+00C

15+00S3

16+00S3

TR4DY

T4W

BP: 10+00.00

17+00S3

TR18SW

18+00S3

TR4W

19+00S3

WIS 48

20+00S3

TR4DY

ROAD CLOSED
R11-2
48"X30"

SPEED LIMIT 35
R2-1
24"X30"

US 53 SB

TR18SW

SOUTH
53
J2-1
24"X57"

TR4Y2D

T4W

INSTALL TEMPORARY SIGNAL

W08-3
48"X48"

50+00C

US 53 SB ON RAMP C

HARN

R/W

MATCHLINE STA 508+45C

MATCHLINE STA 120+00EB

MATCHLINE STA 126+00EB

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 242	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A.DWG
LAYOUT NAME - 026004_s3a
PLOT DATE : 7/24/2019 12:46 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

MATCHLINE STA 301+00A

SLOPE INTERCEPT

R/W

MATCHLINE STA 126+00EB

MATCHLINE STA 132+00EB

WIS 48

US 53 NB

21+00S3

22+00S3

23+00S3

24+00S3

25+00S3

26+00S3

TR4W

T4Y

T4W

T4DY

TR4Y

T4W3D

TR4DY

TR8W

LANE CLOSED
R11-2-L
48"X30"

ROAD CLOSED
R11-2
48"X30"

R3-1
24"X24"

R3-2
24"X24"

MB

PORTABLE CHANGEABLE MESSAGE SIGN

MATCHLINE STA 409+00B

*PAINT 4" WHITE DASHES AND COVER WITH 4" YELLOW REMOVABLE TAPE FOR STAGE 3A.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 243	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A.DWG
LAYOUT NAME - 026005_s3a

PLOT DATE : 7/24/2019 12:46 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

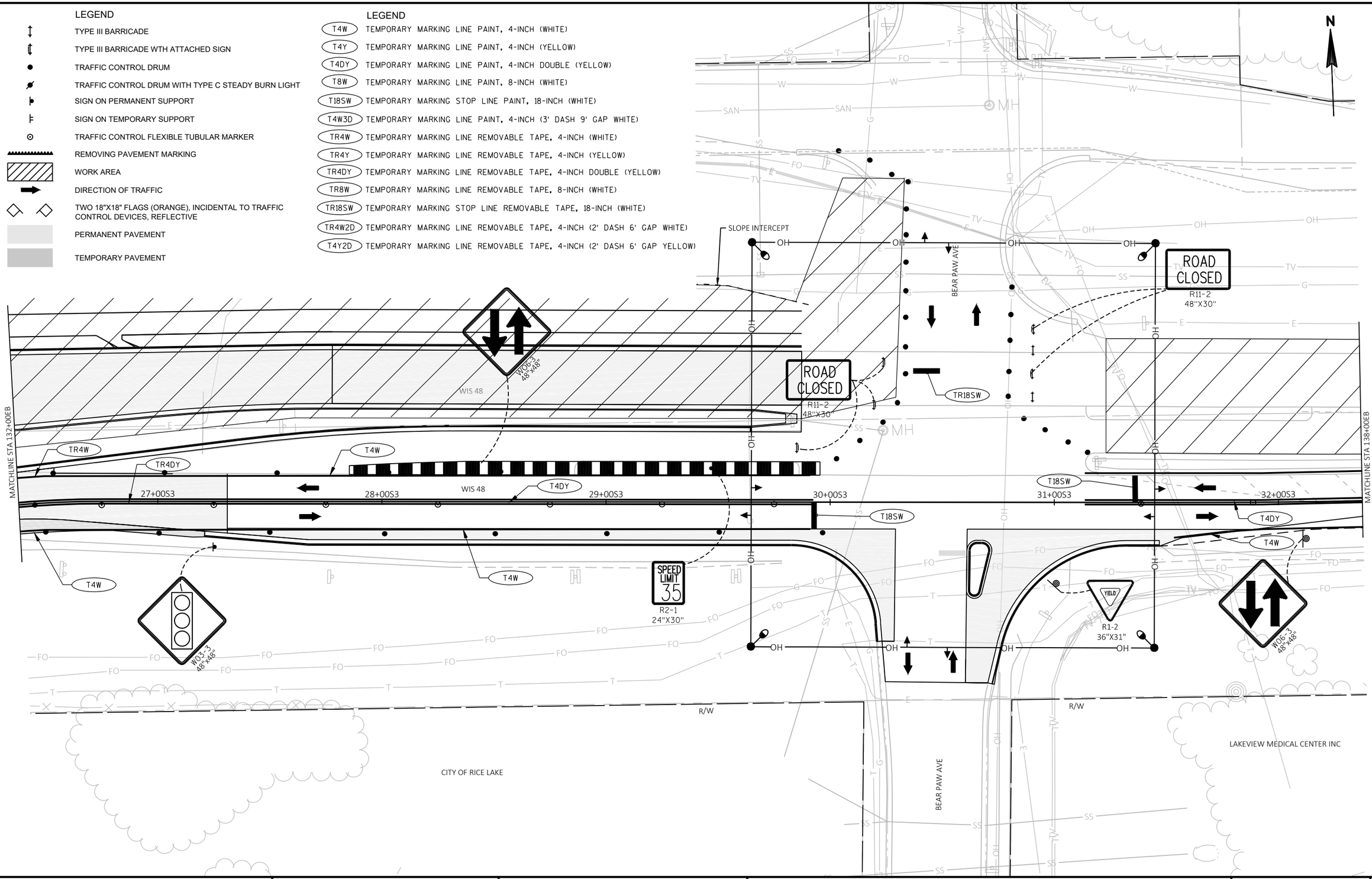
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 244	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A.DWG
LAYOUT NAME - 026006_s3a

PLOT DATE : 7/24/2019 12:46 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

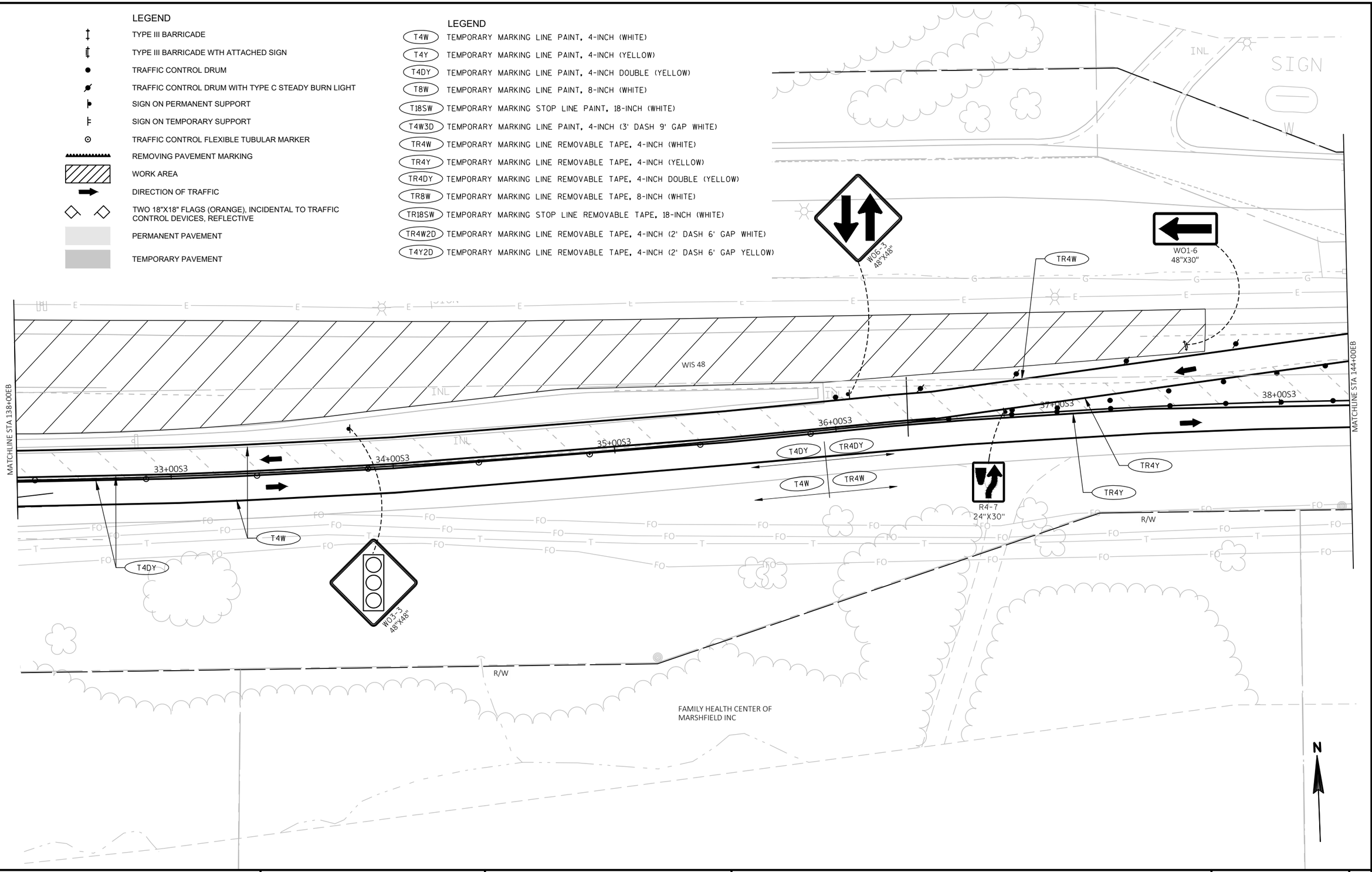
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 245	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A.DWG
LAYOUT NAME - 026007_s3a
PLOT DATE : 7/24/2019 12:46 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

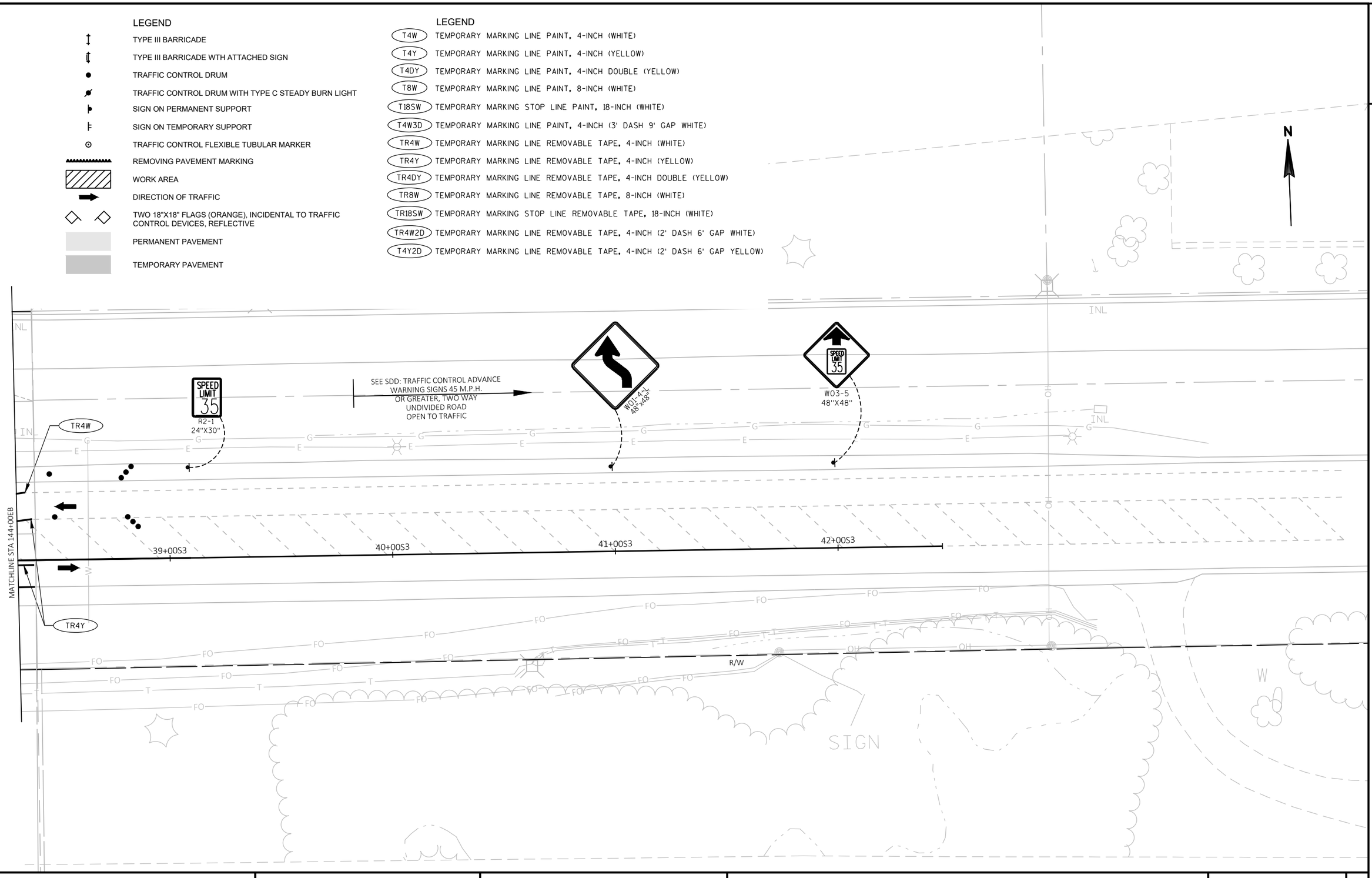
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 246	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A.DWG
LAYOUT NAME - 026008_s3a

PLOT DATE : 7/24/2019 12:46 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

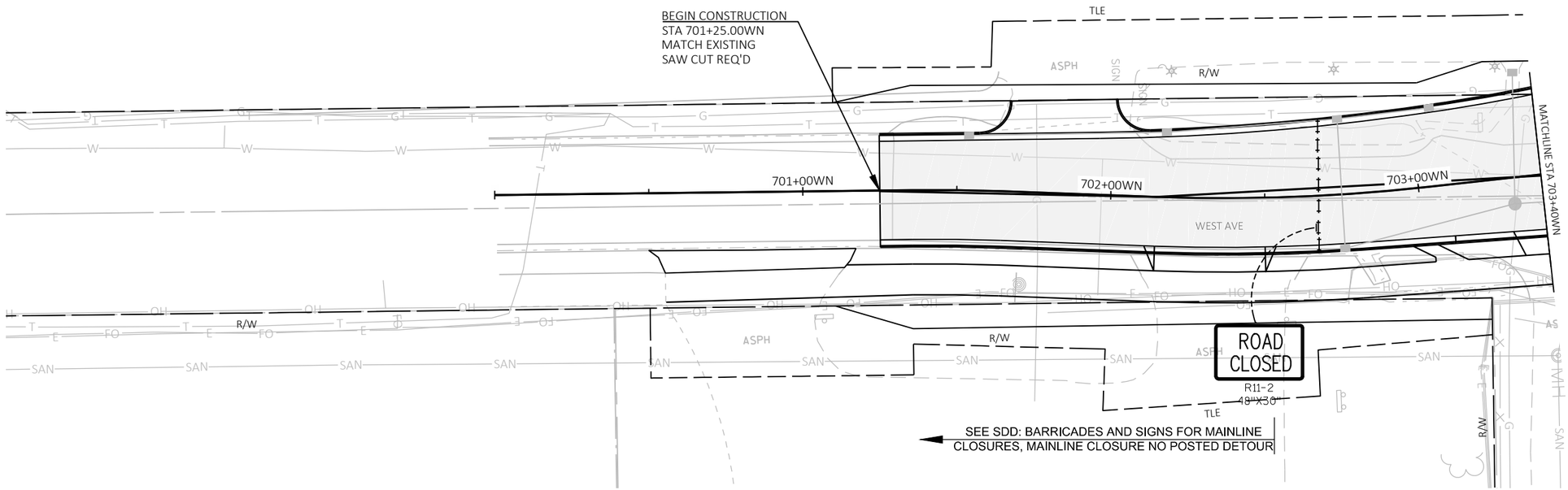
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGING 3	SHEET 247	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A-SIDE ROADS.DWG
LAYOUT NAME - 026008_s3a-Side Rds
PLOT DATE : 7/24/2019 12:48 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : #########

2

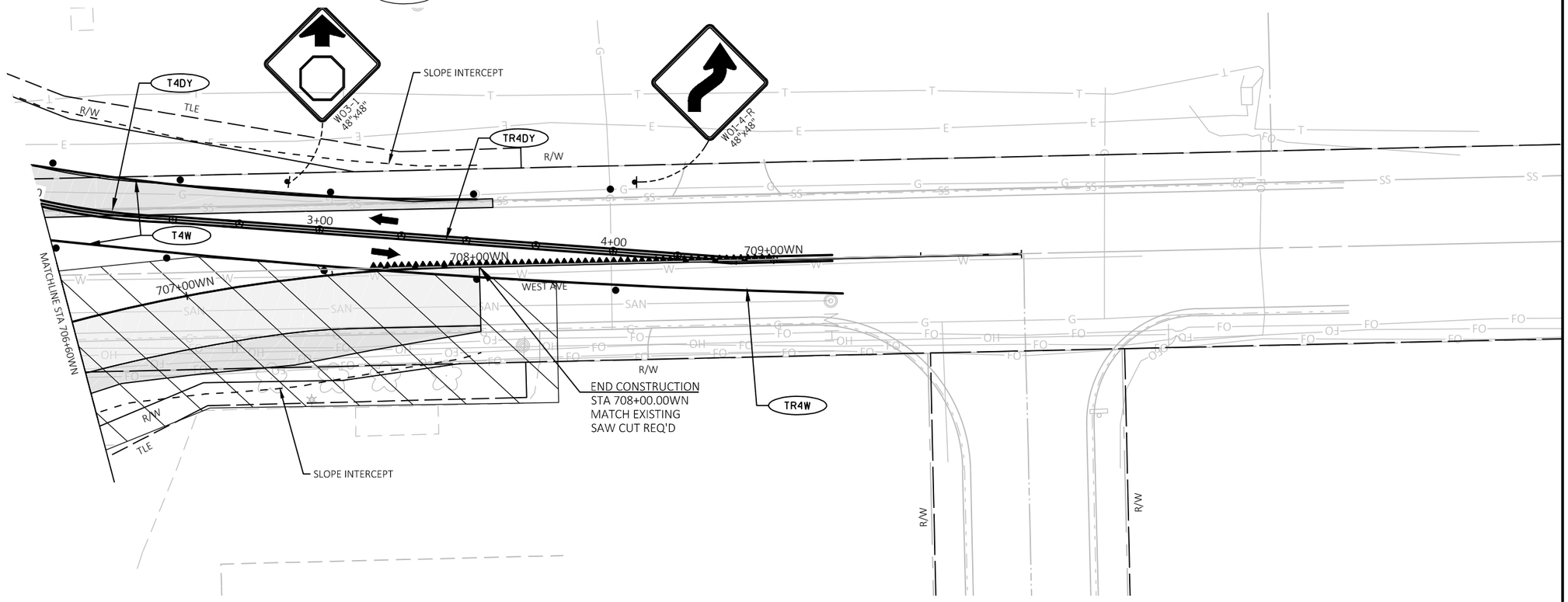
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGING 3	SHEET 248	E

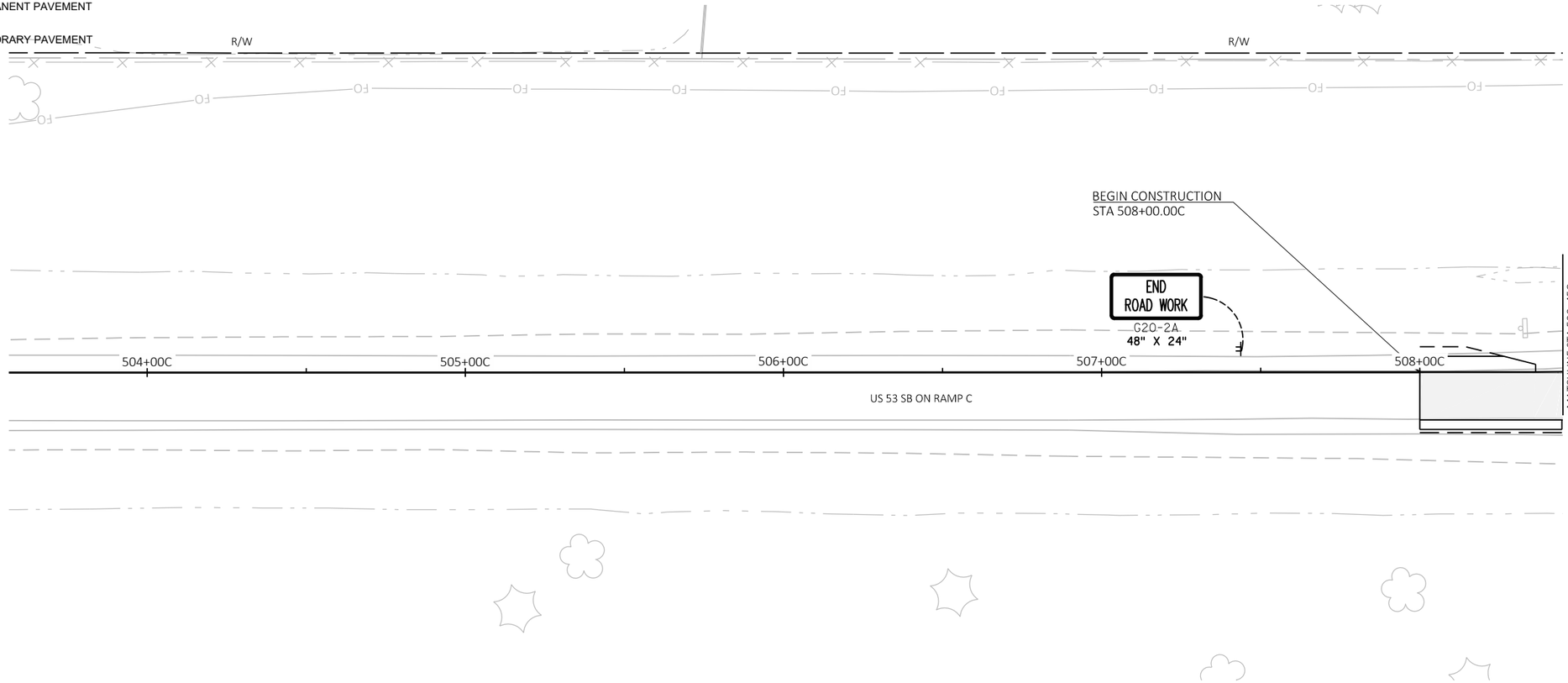
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A-SIDE ROADS.DWG
LAYOUT NAME - 026009_s3a-Side Rds
PLOT DATE : 7/24/2019 12:48 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGING 3	SHEET 249	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A-SIDE ROADS.DWG
LAYOUT NAME - 026012_s3a-Side Rds

PLOT DATE : 7/24/2019 12:49 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : #########

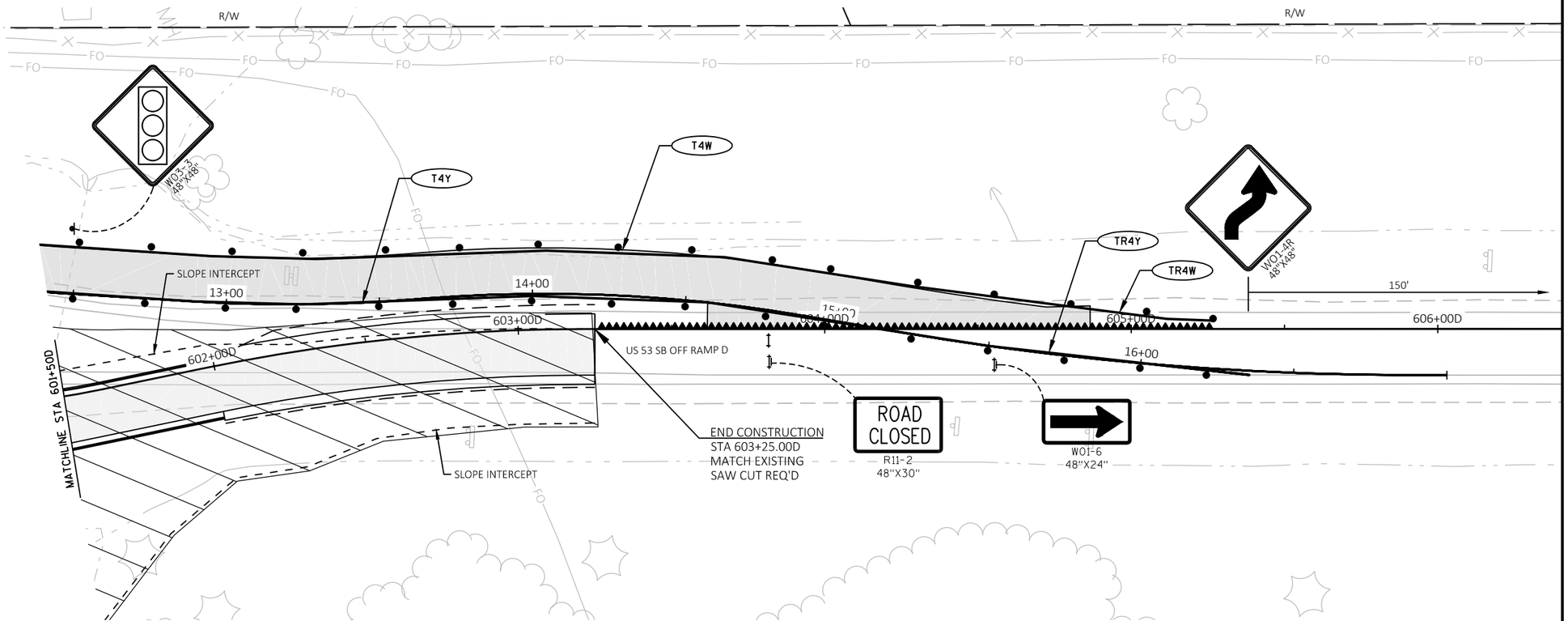
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)



2

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGING 3A	SHEET 250	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3A-SIDE ROADS.DWG
LAYOUT NAME - 026013_s3a-Side Rds
PLOT DATE : 7/24/2019 12:49 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

2

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

US 53 NB

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A
48"X48"

ROAD WORK AHEAD
W20-1A
48"X48"

PLACE 2500' FROM GORE

TR4Y

TR4W

US 53 NB OFF RAMP B

350'

SPEED LIMIT 25
WO3-5
48"X48"

WO1-2R
48"X48"

25 MPH
WO13-1
36"X36"

WO1-1
48"X48"

WRONG WAY
R5-1A
36"X24"

T4Y

T4W

R/W

15

MATCHLINE STA 15+00

DO NOT ENTER
R5-1
30"X30"

R/W

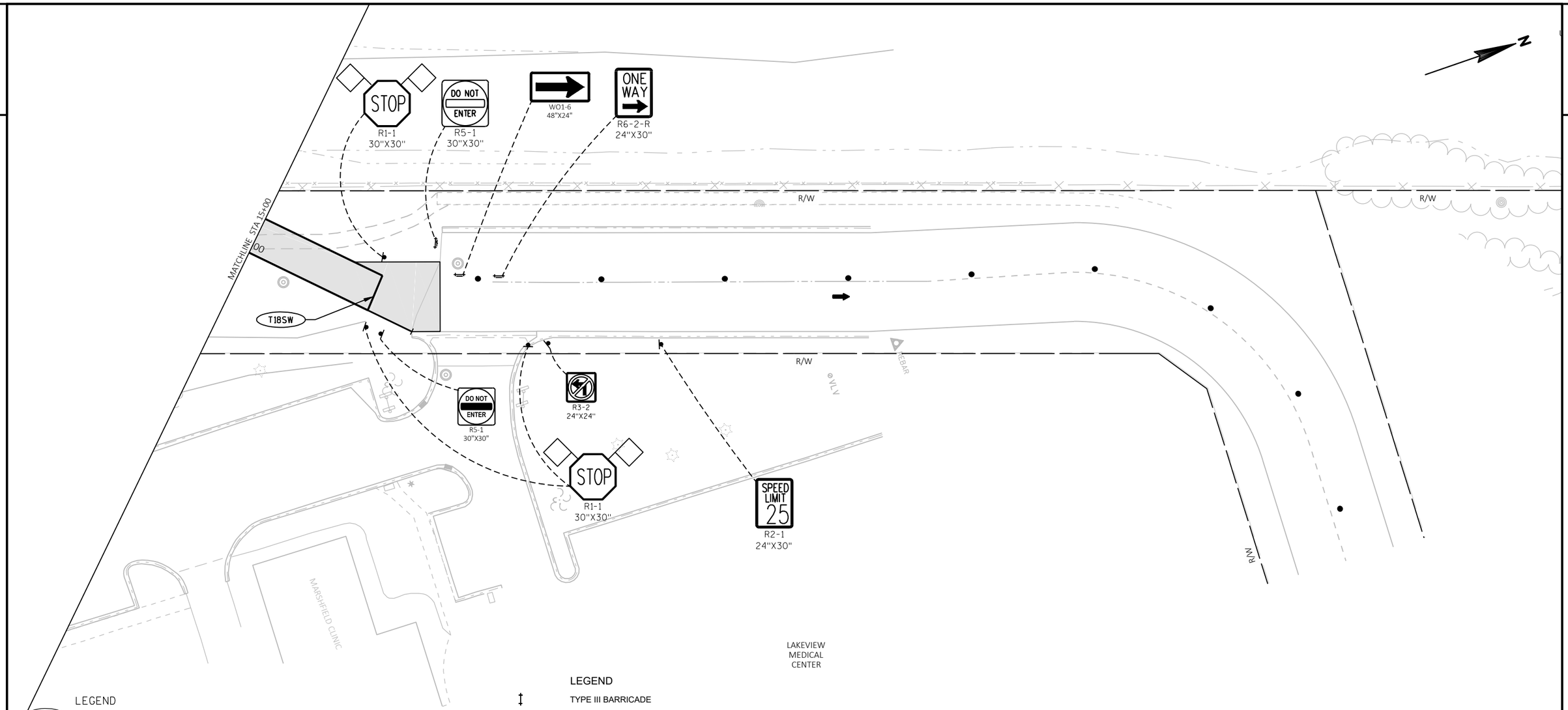
REBAR

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 251	E

2



LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

LEGEND

	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
	REMOVING PAVEMENT MARKING
	WORK AREA
	DIRECTION OF TRAFFIC
	TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
	PERMANENT PAVEMENT
	TEMPORARY PAVEMENT

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 252	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026010_S3-SIDE RDS.DWG
LAYOUT NAME - 026012_s3-Side Rds
PLOT DATE : 7/24/2019 12:50 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

D9-2
24"X24"

M6-1
21"X21"

BEAR PAW AVE

W STOUT ST

R/W

R/W

R/W

R/W

TO 48

J22-1
24"X57"

TR8W

TO 48

J22-1
24"X57"

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

LEGEND

TYPE III BARRICADE
TYPE III BARRICADE WTH ATTACHED SIGN
TRAFFIC CONTROL DRUM
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
SIGN ON PERMANENT SUPPORT
SIGN ON TEMPORARY SUPPORT
TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
REMOVING PAVEMENT MARKING
WORK AREA
DIRECTION OF TRAFFIC
TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
PERMANENT PAVEMENT
TEMPORARY PAVEMENT

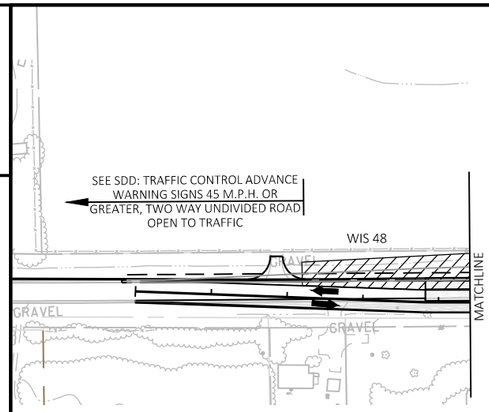
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3	SHEET 253	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026010_S3-SIDE RDS.DWG
LAYOUT NAME - 026013_s3-Side Rds

PLOT DATE : 7/24/2019 12:50 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

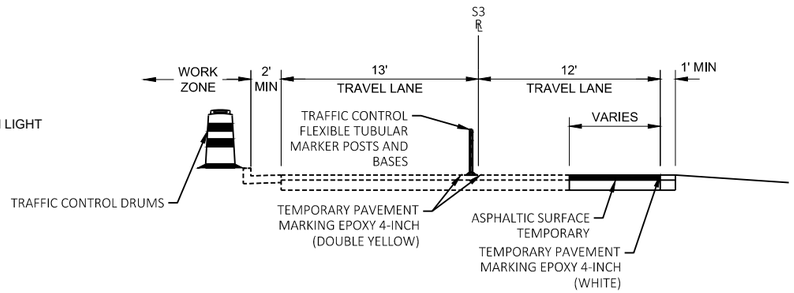
WISDOT/CADDS SHEET 42

2

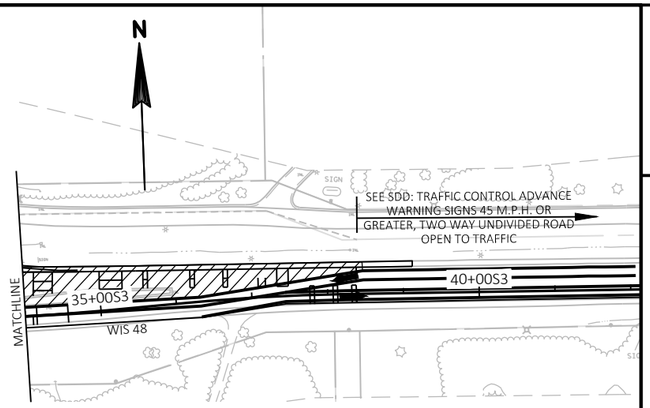


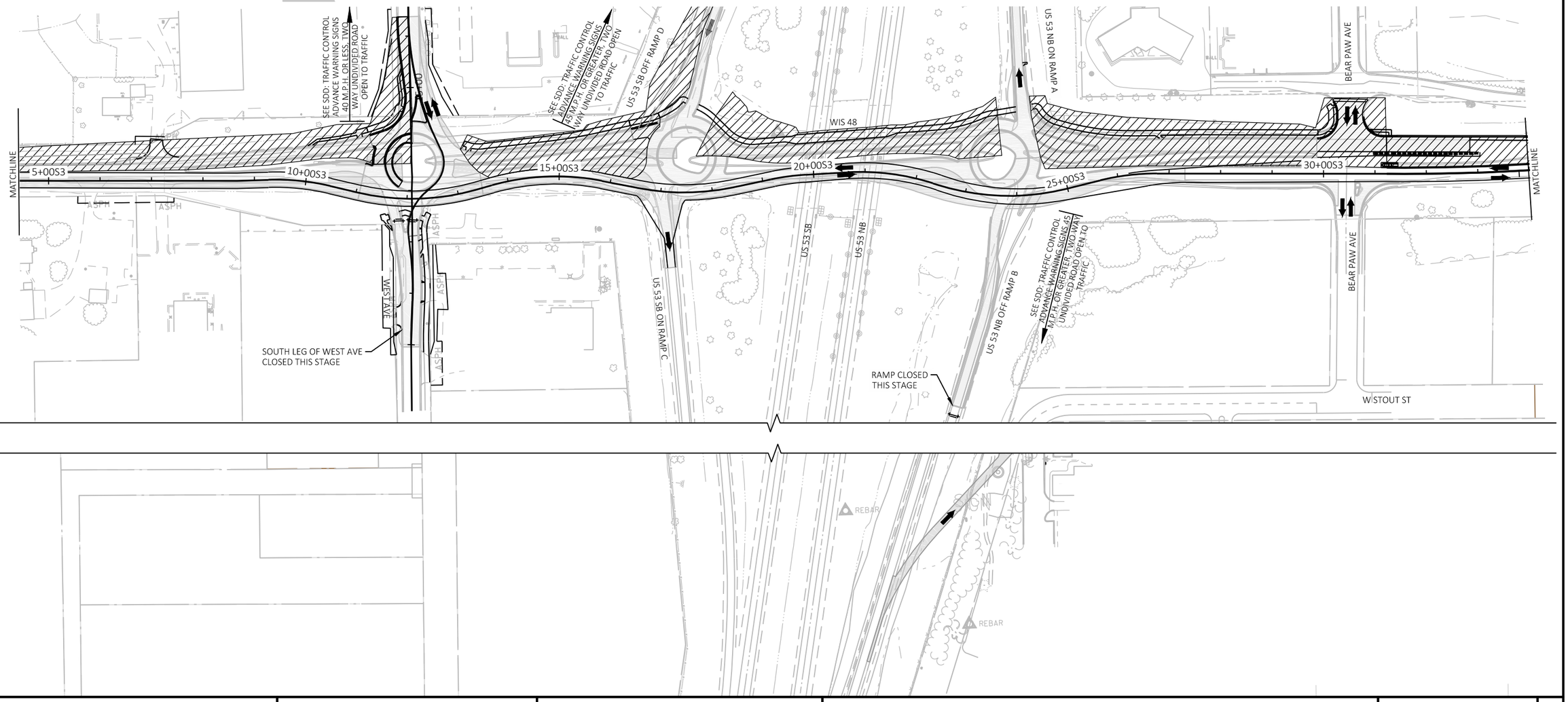
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



CONSTRUCTION TYPICAL
WIS 48





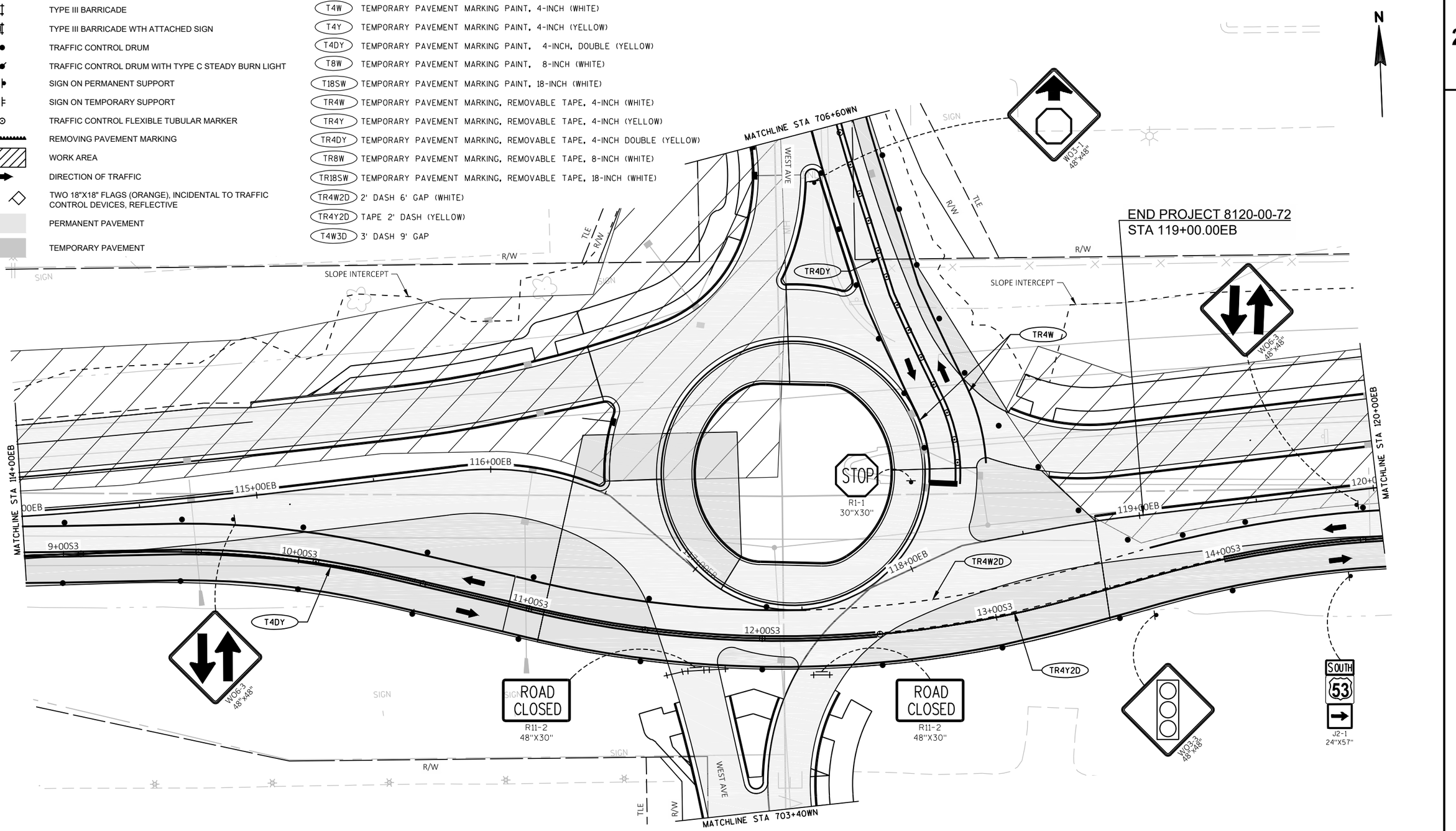
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B OVERVIEW	SHEET 254	E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH, DOUBLE (YELLOW)
T8W	TEMPORARY PAVEMENT MARKING PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY PAVEMENT MARKING PAINT, 18-INCH (WHITE)
TR4W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	2' DASH 6' GAP (WHITE)
TR4Y2D	TAPE 2' DASH (YELLOW)
T4W3D	3' DASH 9' GAP



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 255	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3B.DWG
LAYOUT NAME - 026003_s3b

PLOT DATE : 7/24/2019 12:54 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY PAVEMENT MARKING PAINT, 4-INCH, DOUBLE (YELLOW)
T8W	TEMPORARY PAVEMENT MARKING PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY PAVEMENT MARKING PAINT, 18-INCH (WHITE)
TR4W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	2' DASH 6' GAP (WHITE)
TR4Y2D	TAPE 2' DASH (YELLOW)
T4W3D	3' DASH 9' GAP

N

MATCHLINE STA 601+50D

MATCHLINE STA 120+00EB

MATCHLINE STA 126+00EB

MATCHLINE STA 508+45C

R/W

SLOPE INTERCEPT

US 53 SB OFF RAMP D

US 53 SB ON RAMP C

US 53 SB

WIS 48

INL

HARN

OH

STOP R1-1 30"X30"

SOUTH 53 J2-1 24"X57"

NORTH 53 J2-1 24"X57"

SPEED LIMIT 35 R2-1 24"X30"

WG3-3 48"X48"

WG6-3 48"X48"

601+00D

510+00C

500+00C

15+00S3

16+00S3

17+00S3

18+00S3

19+00S3

20+00S3

120+00EB

121+00EB

122+00EB

123+00EB

124+00EB

125+00EB

126+00EB

TR4W

TR4DY

T4W

TR18SW

TR4W2D

TR4Y2D

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 256 E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3B.DWG
LAYOUT NAME - 026004_s3b

PLOT DATE : 7/24/2019 12:54 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

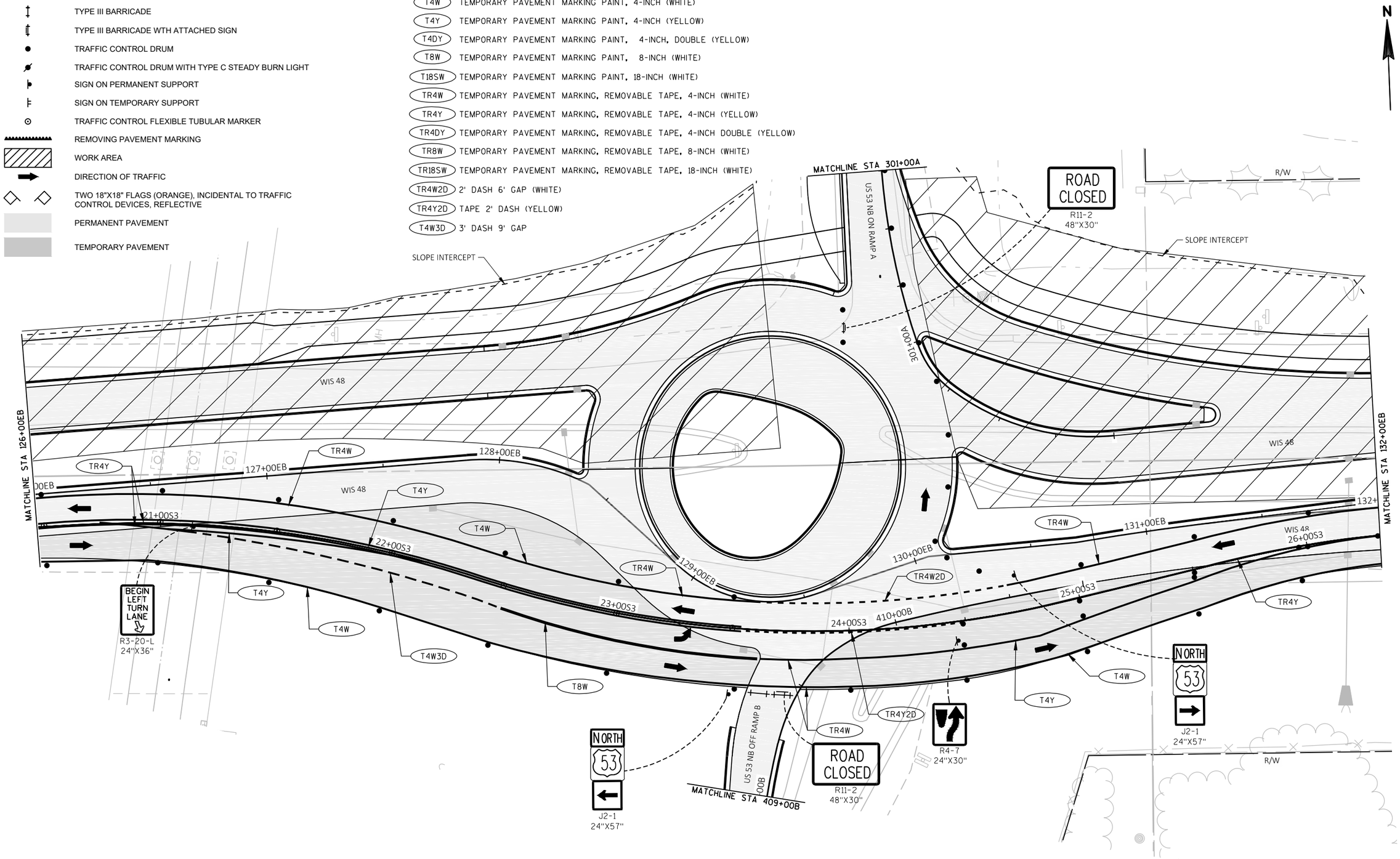
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W — TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (WHITE)
- T4Y — TEMPORARY PAVEMENT MARKING PAINT, 4-INCH (YELLOW)
- T4DY — TEMPORARY PAVEMENT MARKING PAINT, 4-INCH, DOUBLE (YELLOW)
- T8W — TEMPORARY PAVEMENT MARKING PAINT, 8-INCH (WHITE)
- T18SW — TEMPORARY PAVEMENT MARKING PAINT, 18-INCH (WHITE)
- TR4W — TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y — TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY — TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W — TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW — TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D — 2' DASH 6' GAP (WHITE)
- TR4Y2D — TAPE 2' DASH (YELLOW)
- T4W3D — 3' DASH 9' GAP



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 257	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3B.DWG
LAYOUT NAME - 026005_s3b

PLOT DATE : 7/24/2019 12:54 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK ZONE
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT
- BAG SIGNAL HEAD

N

ROAD CLOSED
R11-2
48"X30"

BEAR PAW AVE

INL

SLOPE INTERCEPT

OH

WIS 48

MATCHLINE STA 132+00EB

133+00EB

134+00EB

135+00EB

136+00EB

137+00EB

138+

MATCHLINE STA 138+00EB

27+00S3

28+00S3

29+00S3

30+00S3

31+00S3

32+00S3

ROAD CLOSED
R11-2
48"X30"

R1-2
36"X31"

R/W

CITY OF RICE LAKE

LAKEVIEW MEDICAL CENTER IN

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 258	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3B.DWG
LAYOUT NAME - 026006_s3b

PLOT DATE : 7/24/2019 12:54 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

2

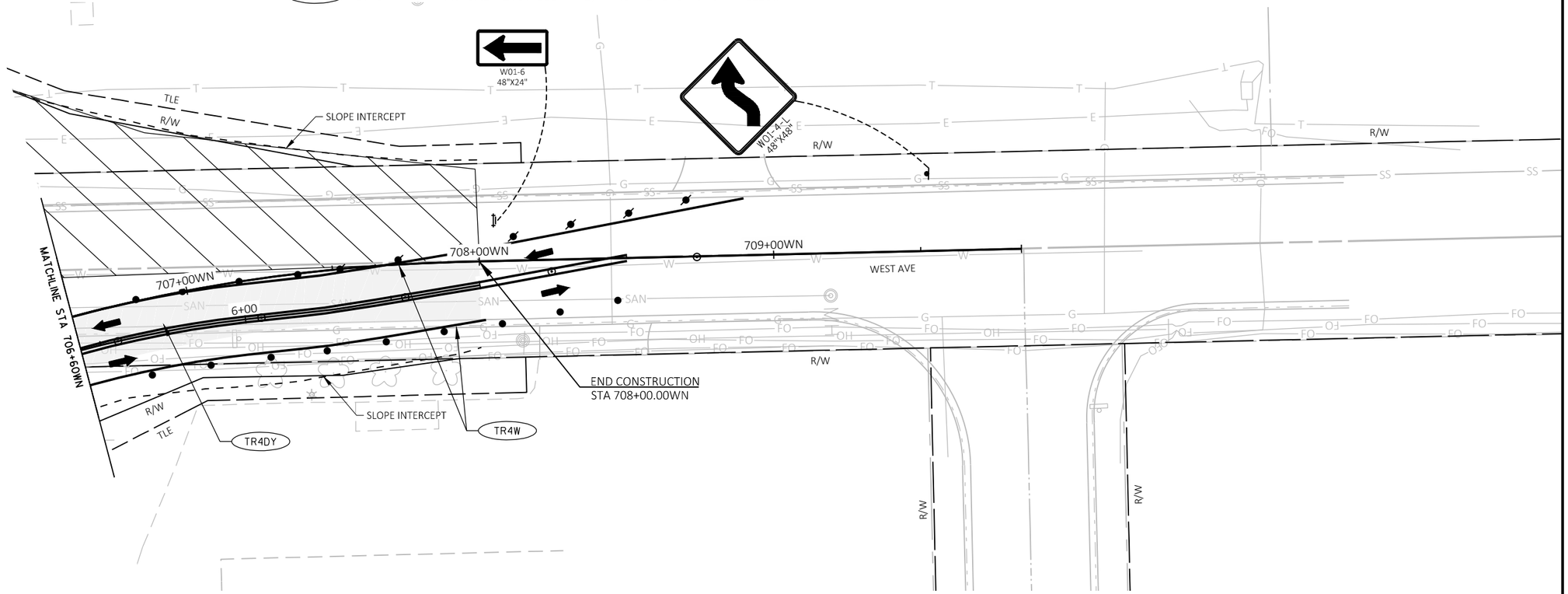
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

- T4W — TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
- T4Y — TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
- T4DY — TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
- T8W — TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
- T18SW — TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
- T4W3D — TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
- TR4W — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
- TR4Y — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
- TR4DY — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
- TR8W — TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
- TR18SW — TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
- TR4W2D — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
- T4Y2D — TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N



2

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 259	E

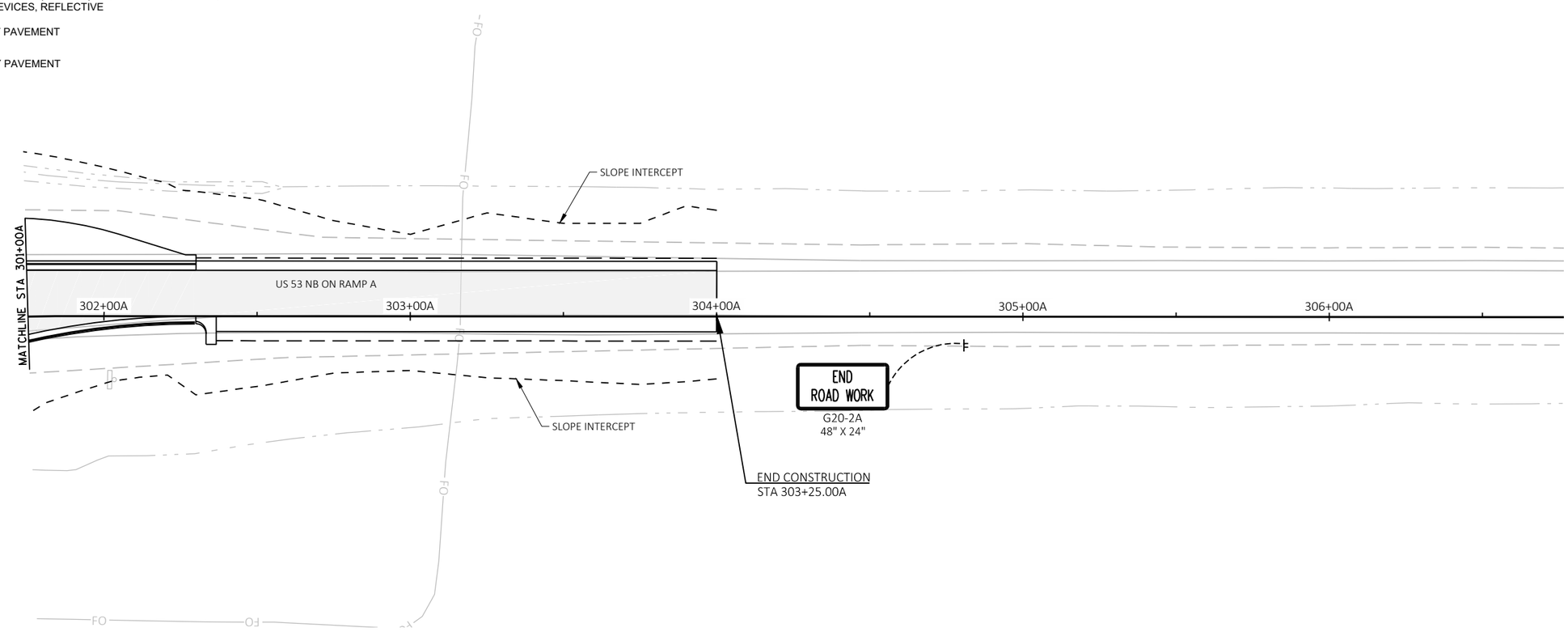
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3B-SIDE ROADS.DWG
LAYOUT NAME - 026009_s3b-Side Rds
PLOT DATE : 7/24/2019 12:56 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 260	E

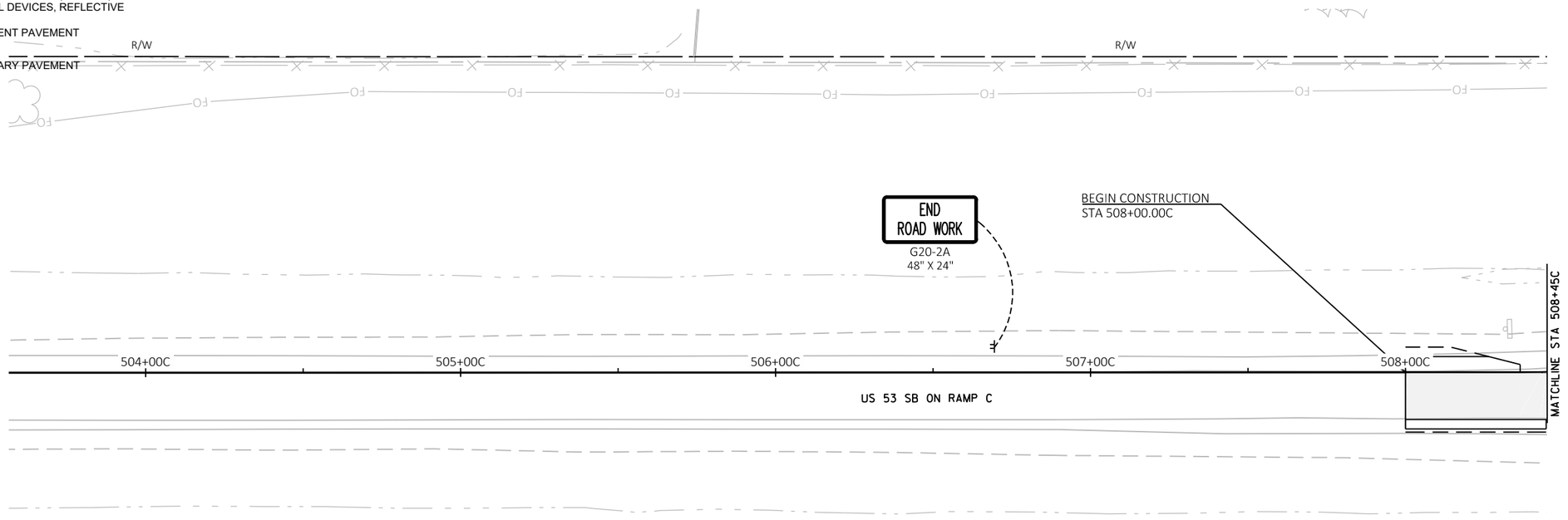
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 261	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026001_S3B-SIDE ROADS.DWG
LAYOUT NAME - 026012_s3b-Side Rds

PLOT DATE : 7/24/2019 12:56 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########

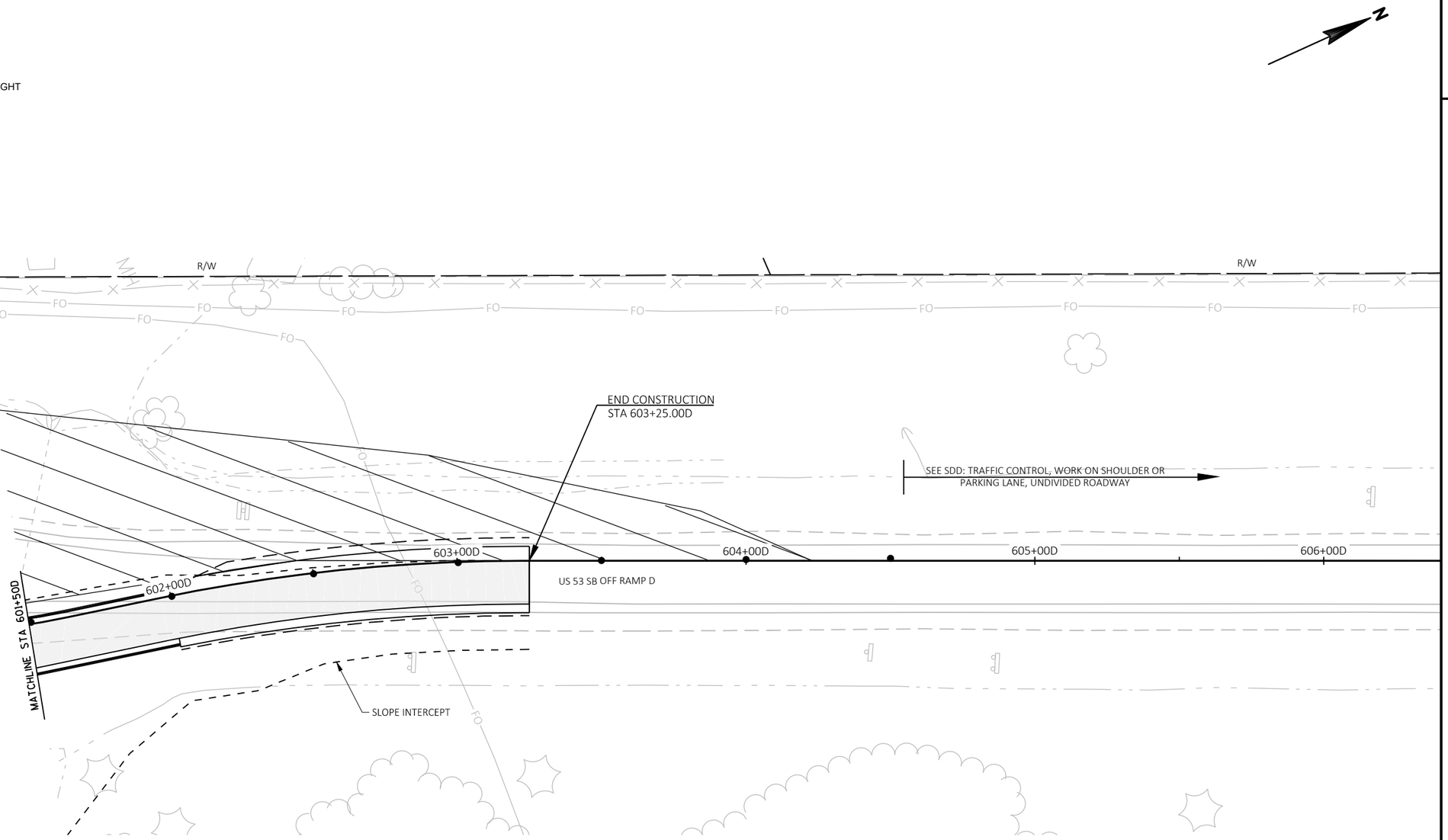
WISDOT/CADDS SHEET 44

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



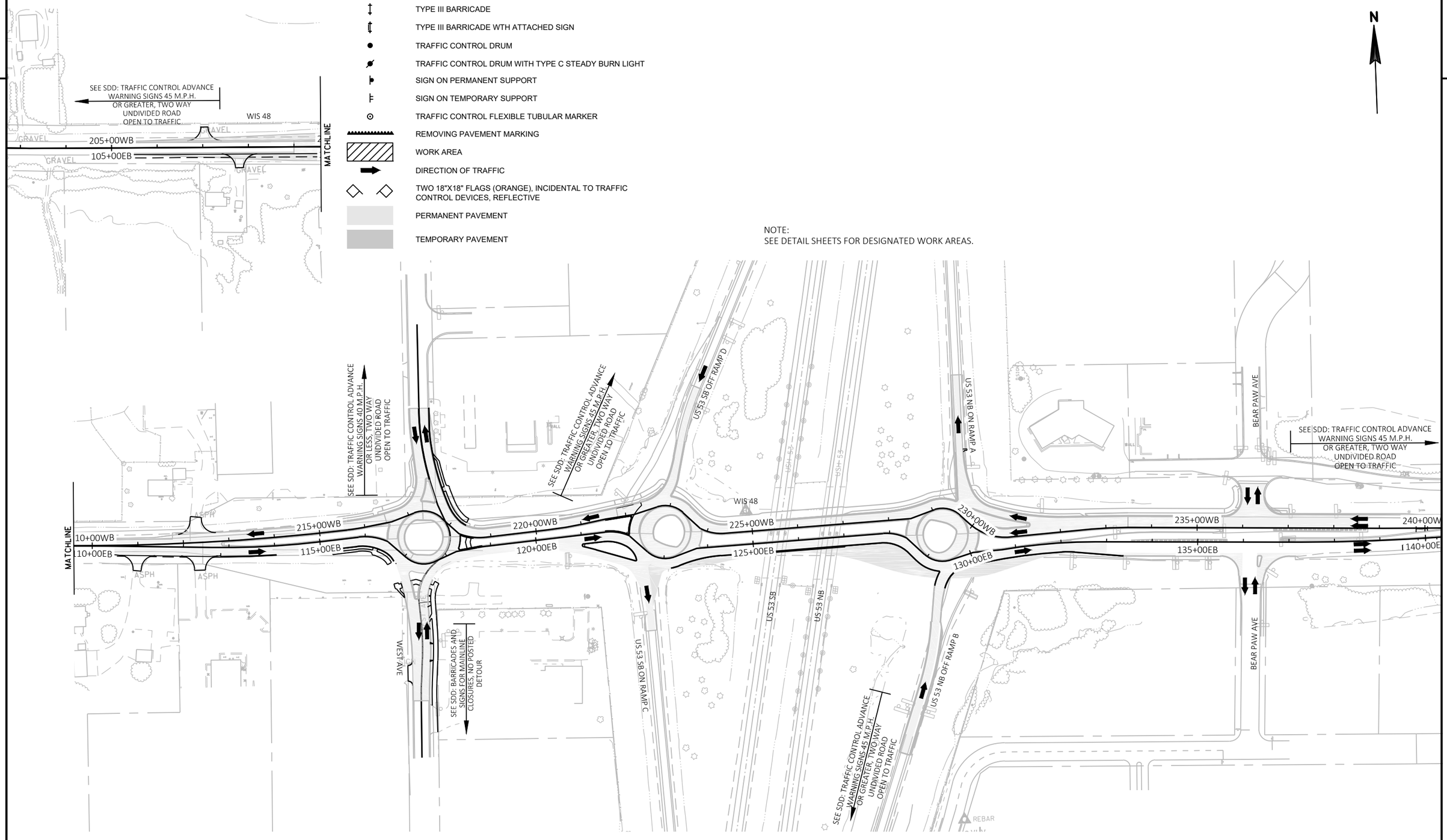
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 3B	SHEET 262	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

NOTE:
SEE DETAIL SHEETS FOR DESIGNATED WORK AREAS.



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 263	E

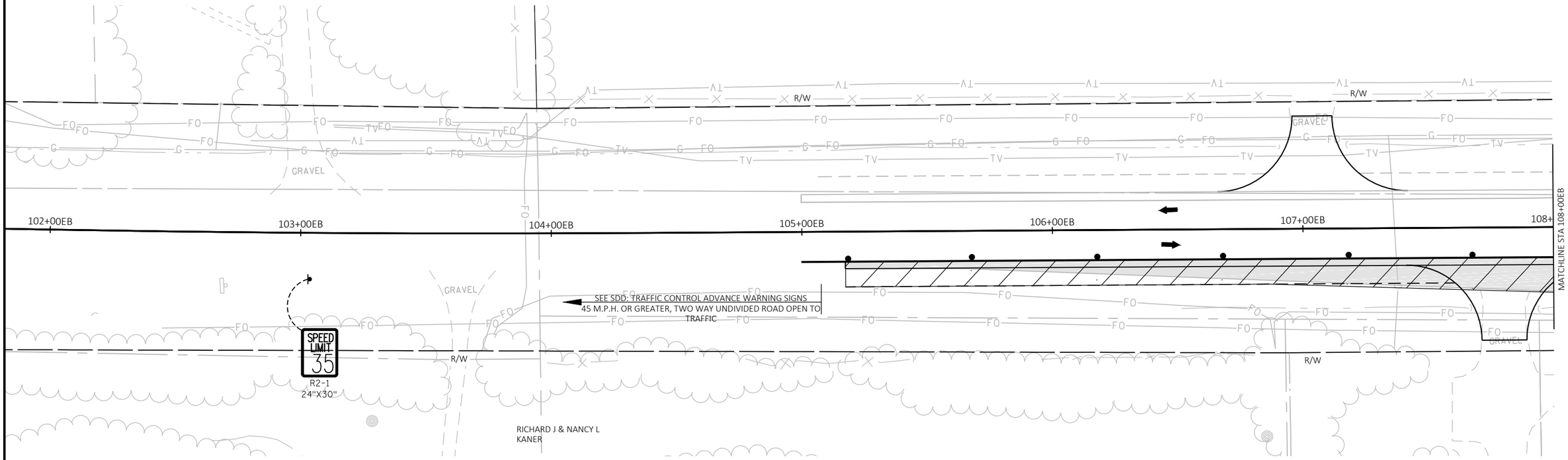
2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

N

2



NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4A	SHEET 264	E

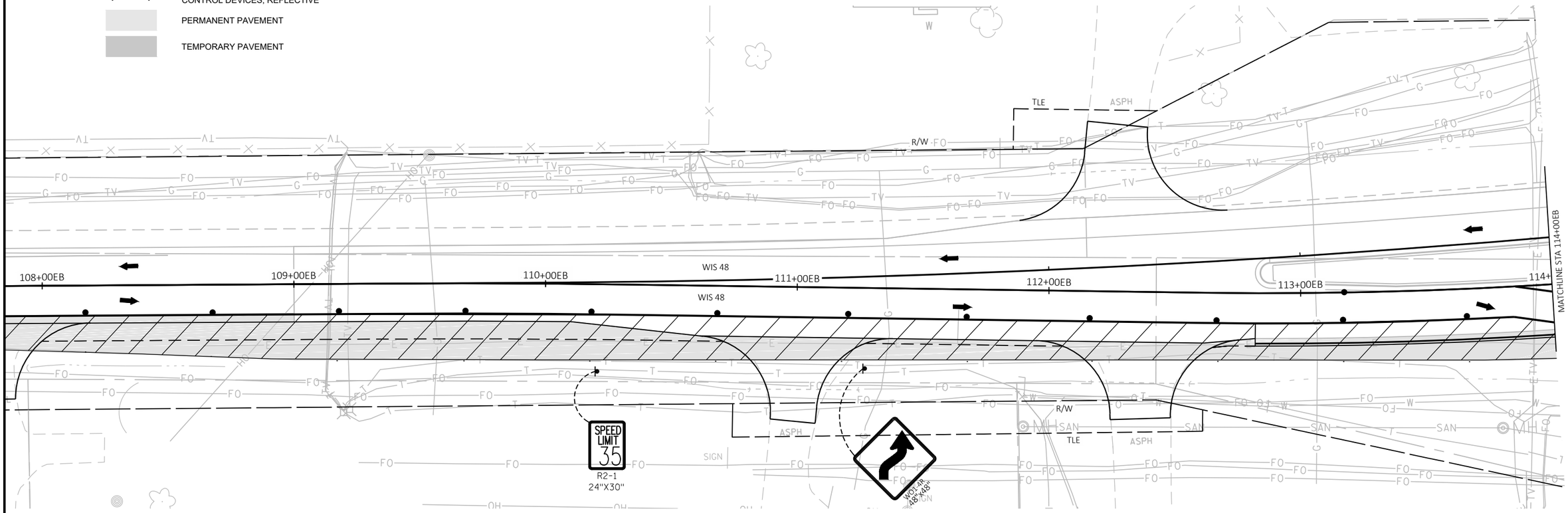
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S4.DWG
LAYOUT NAME - 026001_s4a
PLOT DATE : 7/24/2019 12:59 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4A	SHEET 265	E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

MATCHLINE STA 706+60WN

WEST AVE

TLE

R/W

SIGN

215+00WB

116+00EB

115+00EB

114+00EB

MATCHLINE STA 114+00EB

WIS 48

TR4Y

TR4W

WO1-6
48"X24"

R1-2
36"X31"

R3-2
24"X24"

117+00EB

118+00EB

119+00EB

120+00EB

MATCHLINE STA 120+00EB

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

R3-1
24"X24"

MATCHLINE STA 703+40WN

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4A	SHEET 266	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S4.DWG
LAYOUT NAME - 026003_s4a

PLOT DATE : 7/24/2019 1:00 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT, 4-INCH DOUBLE (YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' GAP WHITE)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP WHITE)
T4Y2D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (2' DASH 6' GAP YELLOW)

N

MATCHLINE STA 601+50D

US 53 SB OFF RAMP D

MATCHLINE STA 120+00EB

120+00WB

121+00EB

122+00WB

CONSTRUCT ISLAND

WIS 48

123+00EB

TR4W2D

124+00EB

125+00EB

225+00WB

MATCHLINE STA 126+00EB

CONSTRUCT RIGHT CURB

SPEED LIMIT 35

R2-1
24"X30"

US 53 SB

YIELD

R1-2
36" X 31"

SOUTH 53

J2-1
24"X57"

US 53 SB ON RAMP C

TR4W

MATCHLINE STA 508+45C

R/W

HARN

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4A	SHEET 267	E

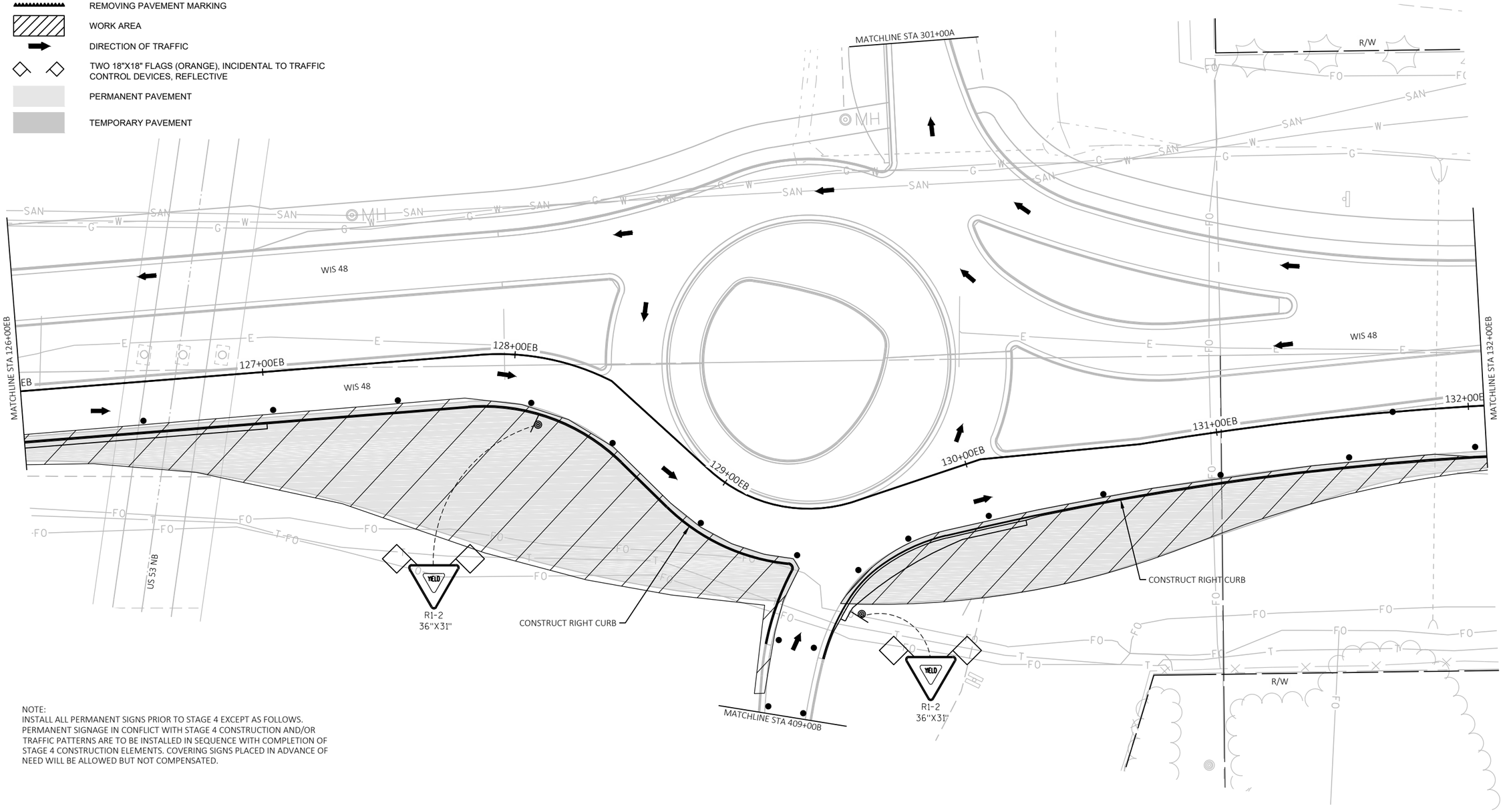
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S4.DWG
LAYOUT NAME - 026004_s4a

PLOT DATE : 7/24/2019 1:00 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.

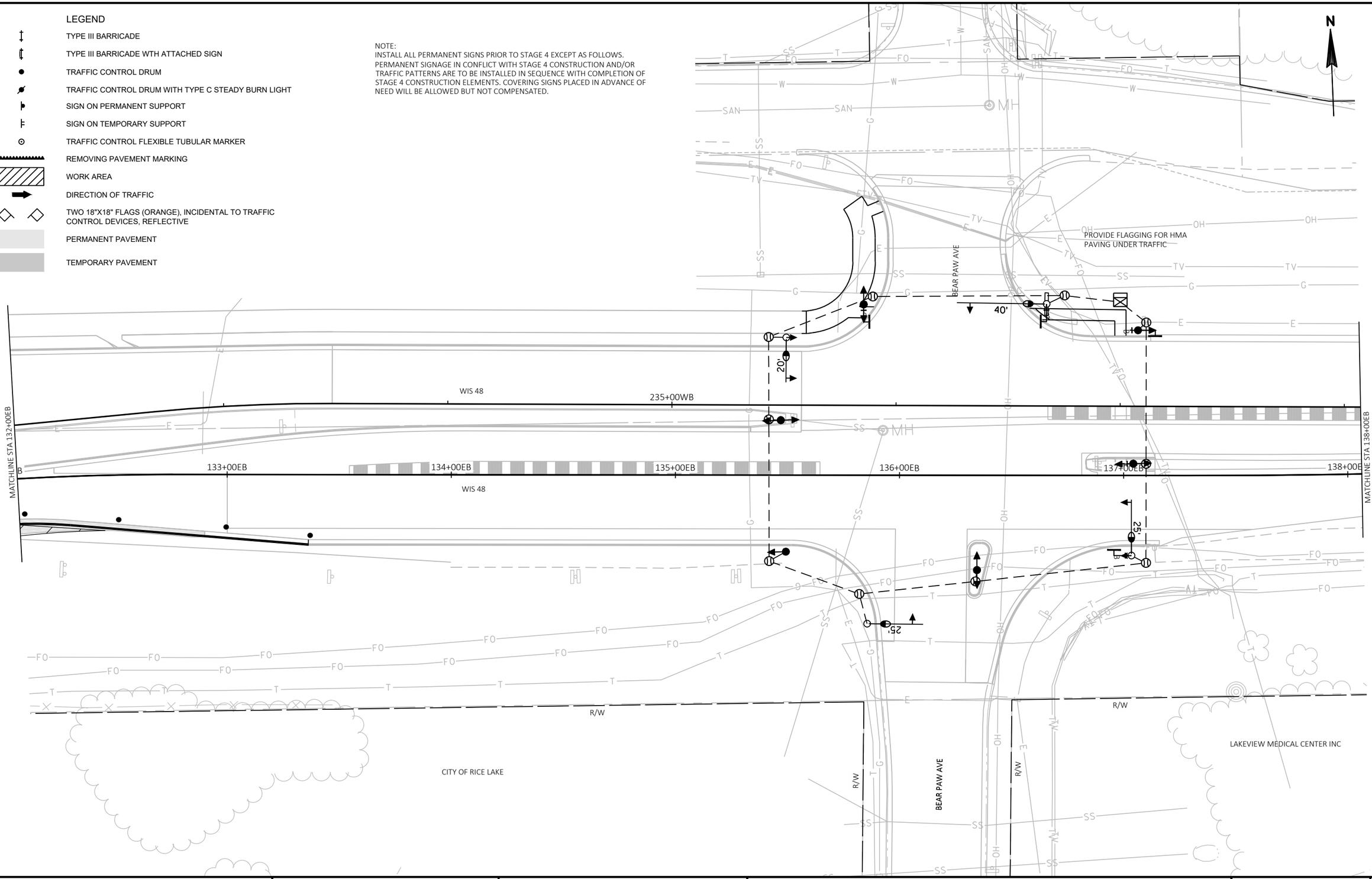
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4A	SHEET 268	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

NOTE:
INSTALL ALL PERMANENT SIGNS PRIOR TO STAGE 4 EXCEPT AS FOLLOWS. PERMANENT SIGNAGE IN CONFLICT WITH STAGE 4 CONSTRUCTION AND/OR TRAFFIC PATTERNS ARE TO BE INSTALLED IN SEQUENCE WITH COMPLETION OF STAGE 4 CONSTRUCTION ELEMENTS. COVERING SIGNS PLACED IN ADVANCE OF NEED WILL BE ALLOWED BUT NOT COMPENSATED.



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	STAGE 4	SHEET 269	E

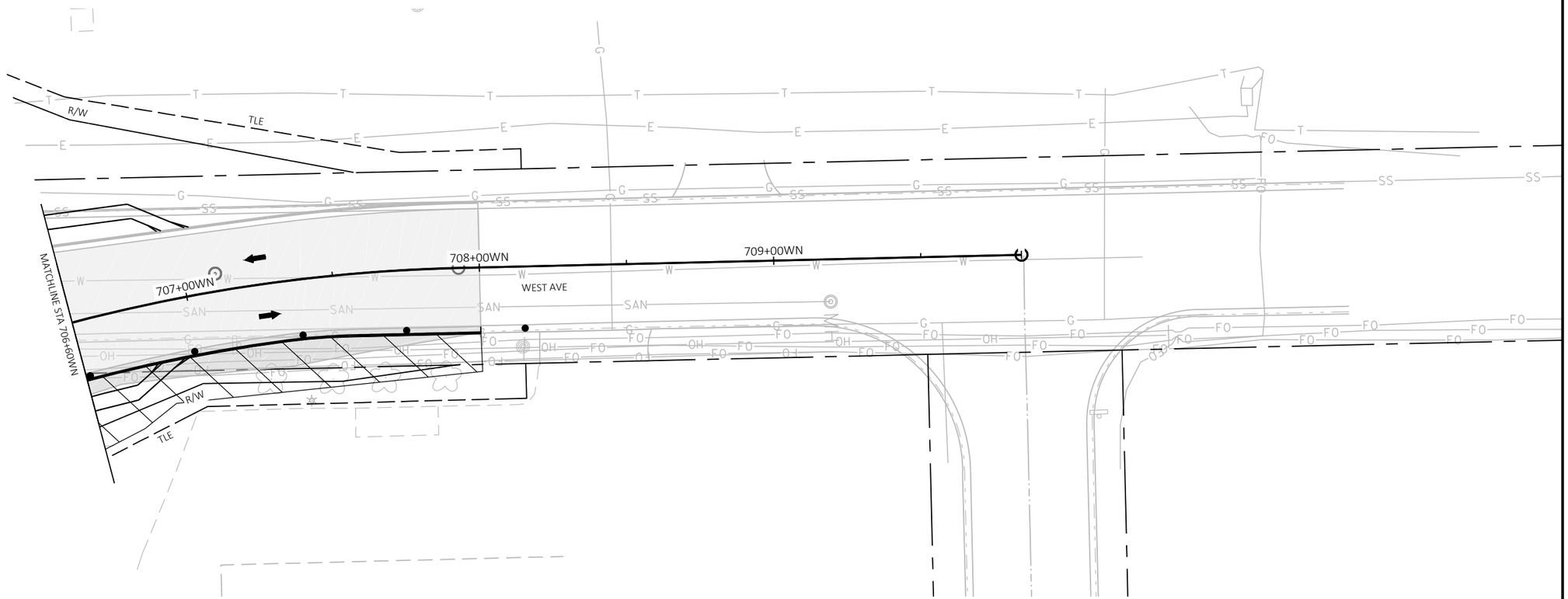
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S4.DWG
LAYOUT NAME - 026006_s4a
PLOT DATE : 7/24/2019 1:00 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



2

NOTE:
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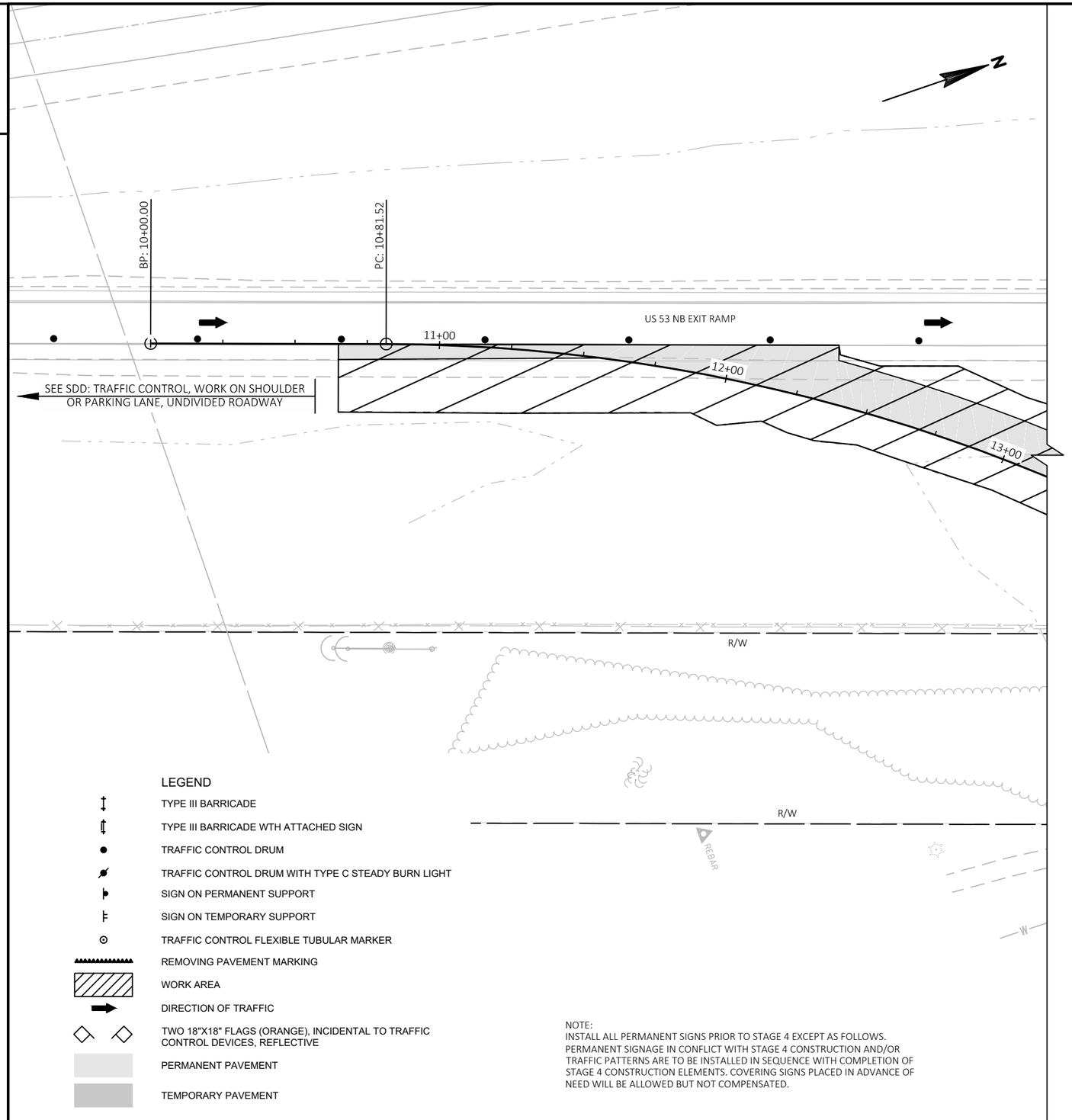
PROJECT NO: 1197-19-70	HWY: WIS 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4A	SHEET 270	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S4-SIDE RDS.DWG
LAYOUT NAME - 026009_s4a-Side Rds
PLOT DATE : 7/24/2019 1:02 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : ##########



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT

NOTE:
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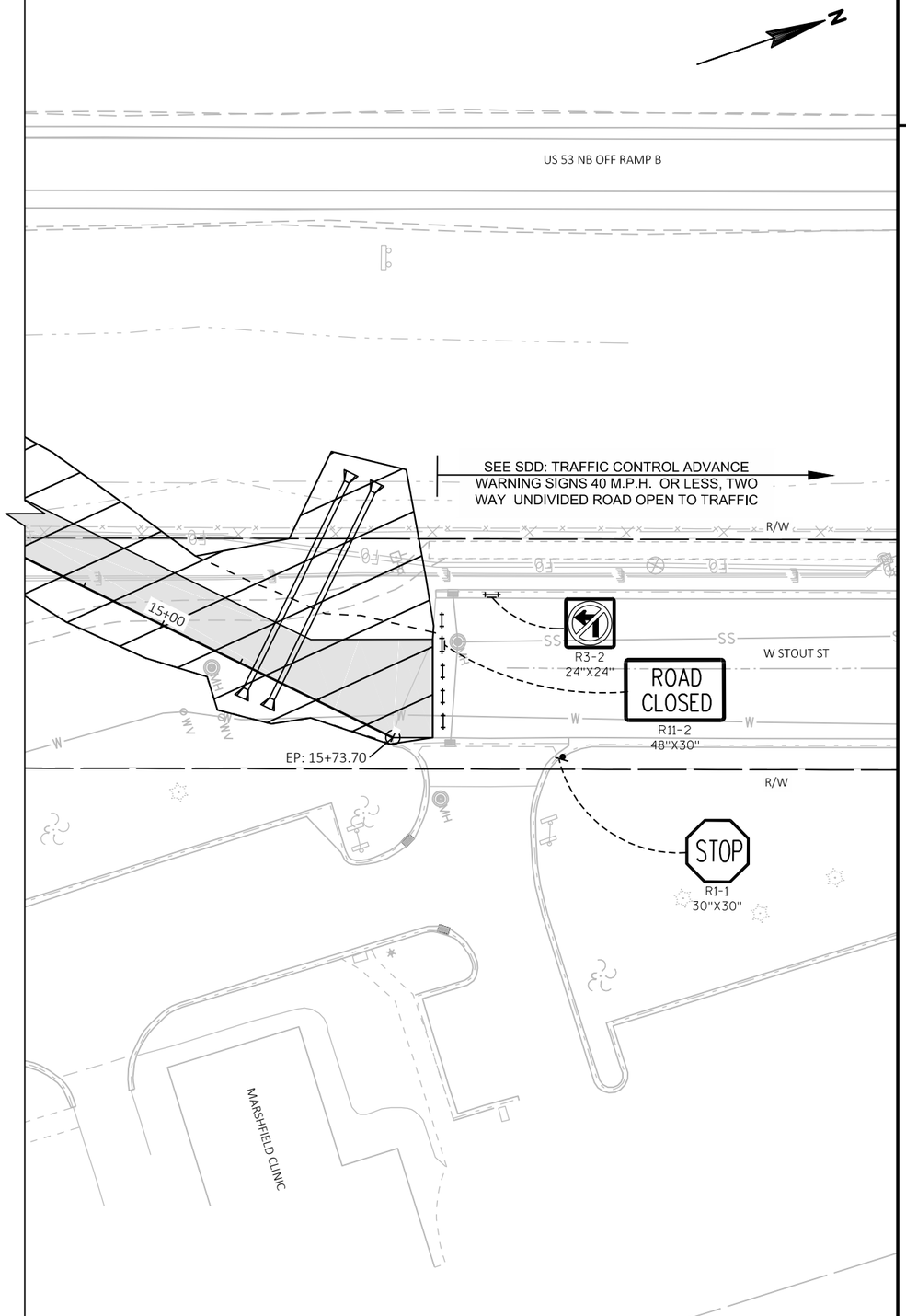


2

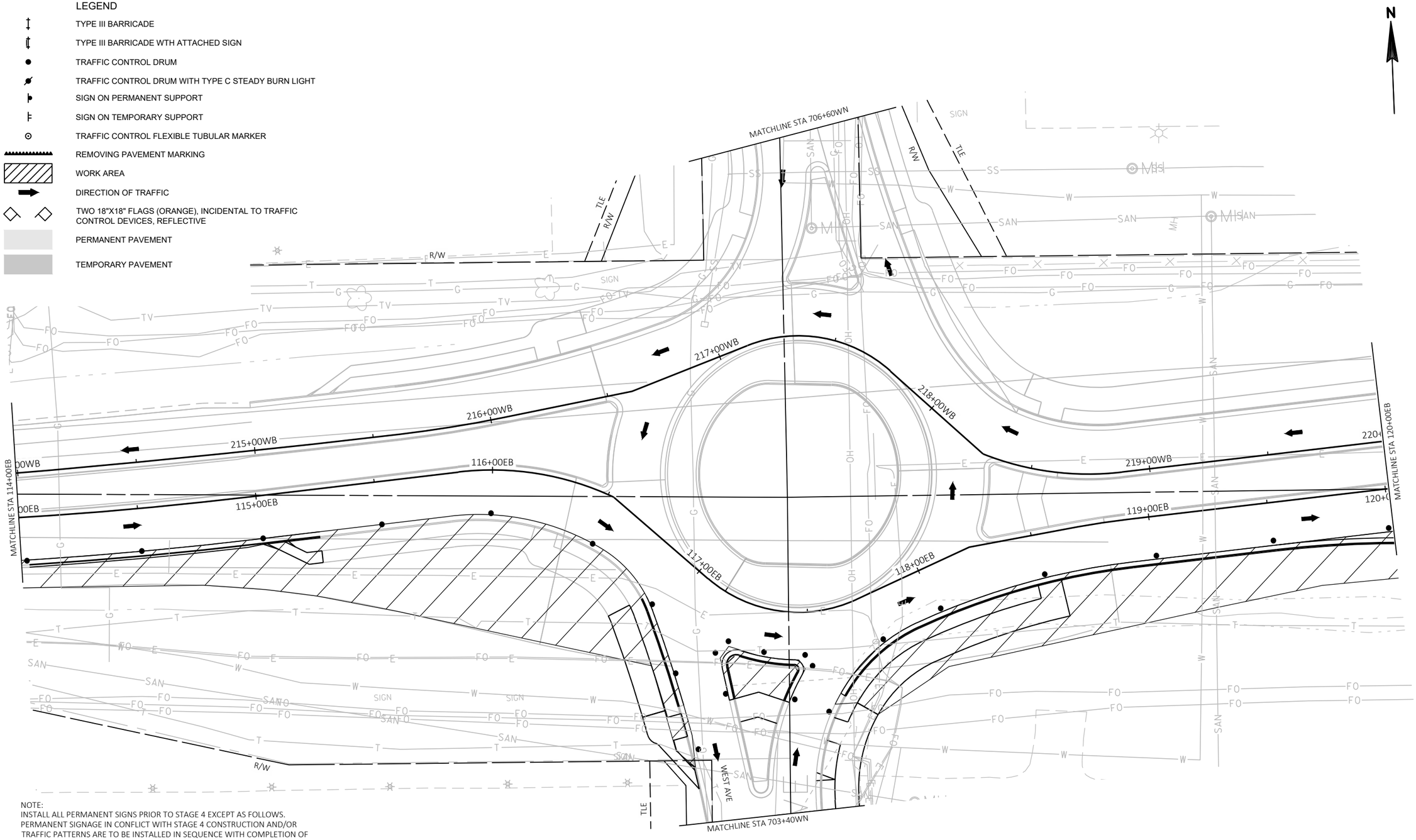
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4	SHEET 271	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026010_S4-SIDE ROADS.DWG
LAYOUT NAME - 026010_s4-Side Rds Stout
PLOT DATE : 7/24/2019 1:03 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



NOTE:
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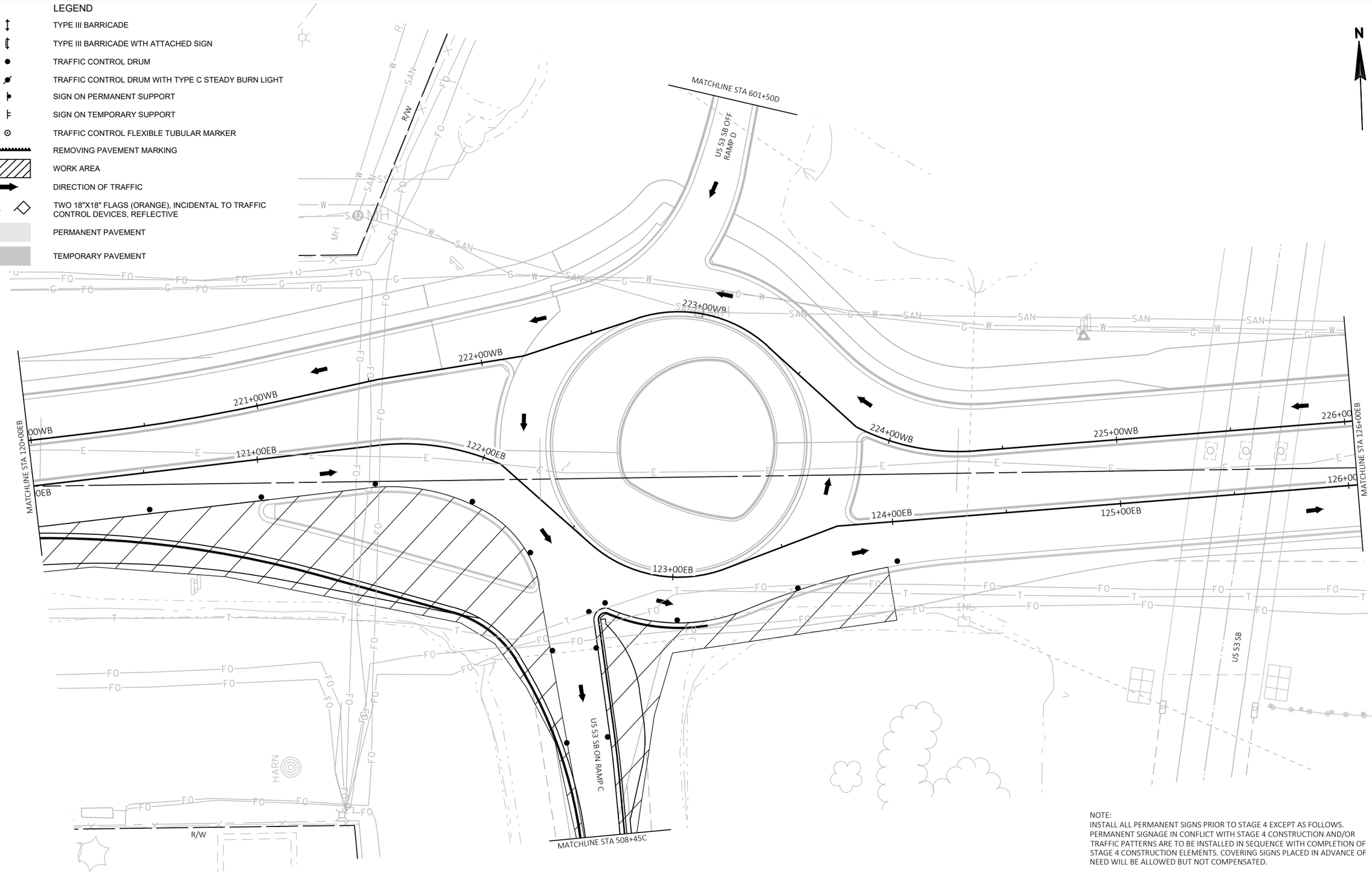
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4B	SHEET 272	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- REMOVING PAVEMENT MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- TWO 18"X18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL DEVICES, REFLECTIVE
- PERMANENT PAVEMENT
- TEMPORARY PAVEMENT



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	TRAFFIC CONTROL - STAGE 4B	SHEET 273	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\026000_S4B.DWG
LAYOUT NAME - 026004_s4b
PLOT DATE : 7/24/2019 1:05 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

DETOUR

SIGN ON PERMANENT SUPPORT

N

EXIT 143

PROJECT 1197-19-70 & 8120-00-72

Rice Lake

SOUTH M3-3 24"X12" / 53 M1-4 24"X24"

TO M4-5 24"X12" / SOUTH M3-3 24"X12" / 53 M1-4 24"X24" / M6-1 21"X21"

RAMP CLOSED AHEAD W20-53A 48"x48"

COVER WITH SIGN M6-1

M5-1L 21"X21"

COVER SIGN

WEST 48 / Cumberland 14

SOUTH 53 / WEST 48 / SOUTH 53

RAMP CLOSED AHEAD W20-53A 48"x48"

53 NORTH Rice Lake

53 South Eau Claire

EXIT 135

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	US 53 SB ON-RAMP DETOUR PLAN - STAGE 2A	SHEET 274	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027001_dt
PLOT DATE : 7/24/2019 1:05 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : NOT TO SCALE
WISDOT/CADDS SHEET 44

LEGEND

DETOUR

SIGN ON PERMANENT SUPPORT

N

EXIT 143

Rice Lake

RAMP CLOSED AHEAD W20-53A

DETOUR AHEAD W20-2-A

TO M4-5 24"X12"

NORTH M3-1 24"X12"

53 M1-4 24"X24"

M5-1R 21"X21"

M6-1 21"X21"

M5-1L 21"X21"

M6-2 21"X21"

48

53

O

M

C

Rice

L.

Moon

Barker

Mont

17TH

18TH ST

19TH

20TH AVE

18TH

17 1 / 2 ST

18 1 / 2 ST

18 3/4 ST

19 3/4 ST

21 1 / 2 ST

22 1 / 2 ST

19 7/8 AVE

HAWTHORNE LN

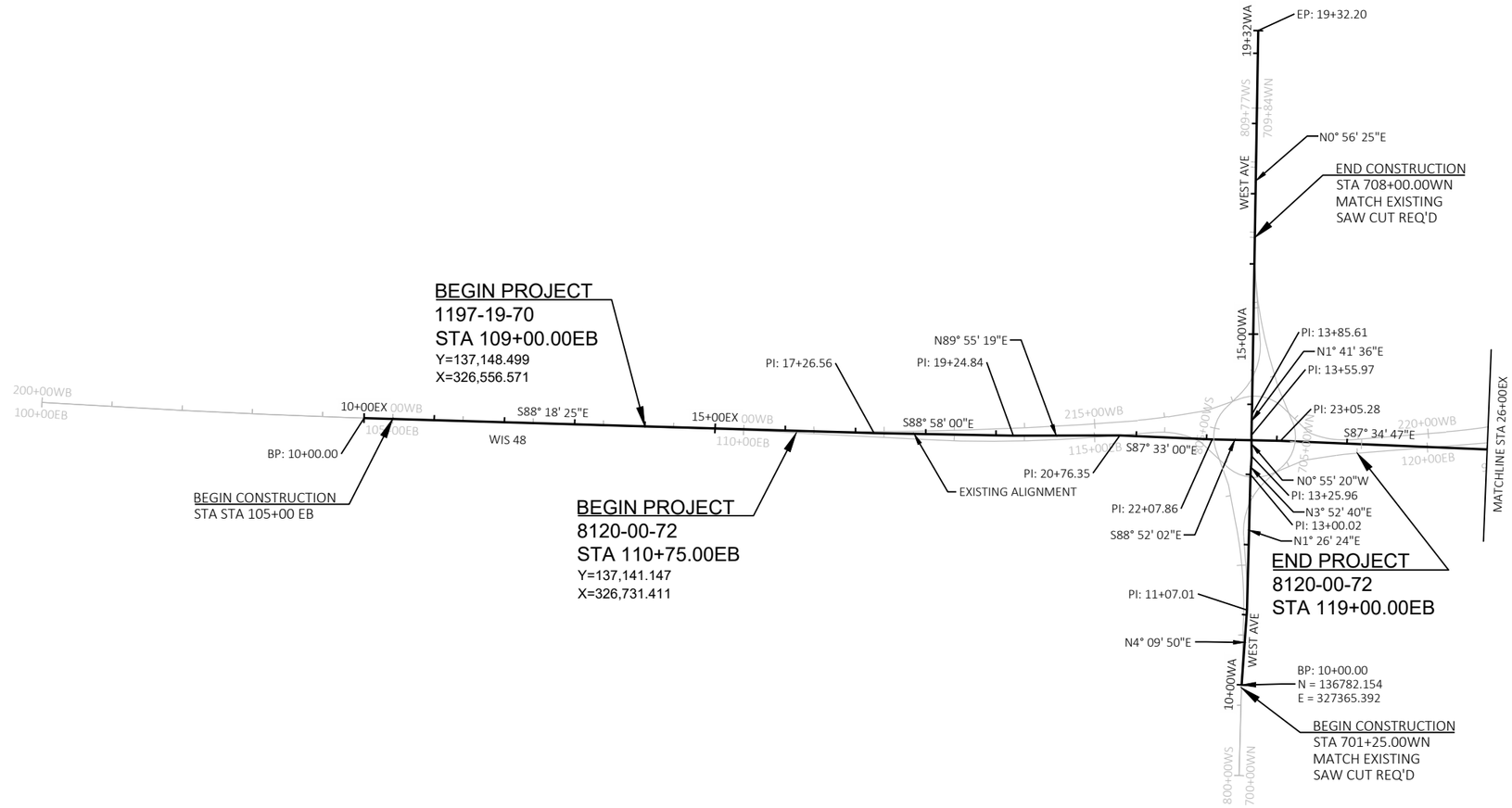
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	US 53 NB ON-RAMP DETOUR PLAN - STAGE 3A	SHEET 275	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\027002_DT.DWG
LAYOUT NAME - 027002_dt

PLOT DATE : 7/24/2019 1:06 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : NOT TO SCALE

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - EXISTING	SHEET 276	E

2

N

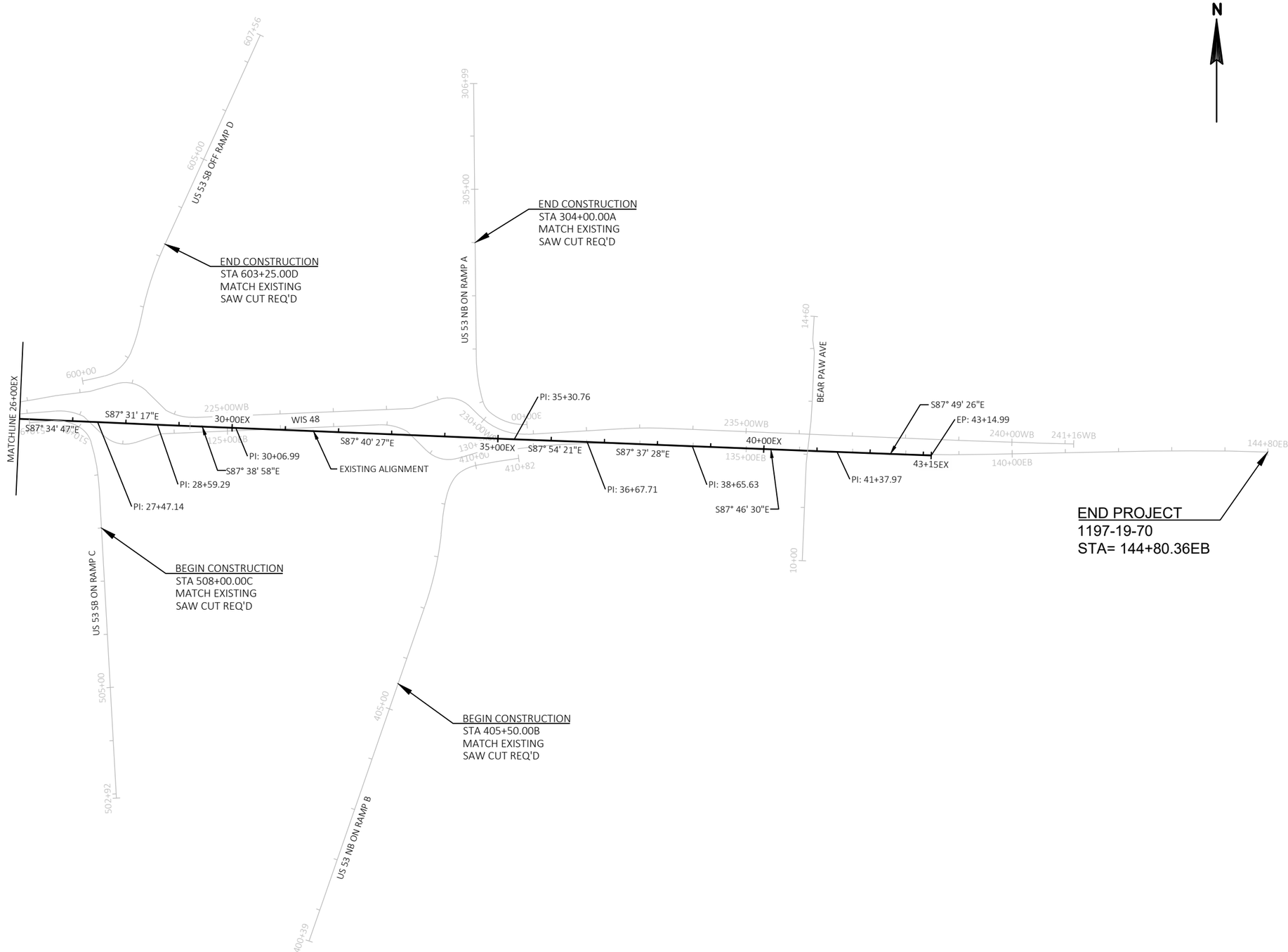
END CONSTRUCTION
STA 603+25.00D
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 304+00.00A
MATCH EXISTING
SAW CUT REQ'D

END PROJECT
1197-19-70
STA= 144+80.36EB

BEGIN CONSTRUCTION
STA 508+00.00C
MATCH EXISTING
SAW CUT REQ'D

BEGIN CONSTRUCTION
STA 405+50.00B
MATCH EXISTING
SAW CUT REQ'D



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	ALIGNMENT DETAILS - EXISTING	SHEET 277	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\027201_AD - EXISTING.DWG
LAYOUT NAME - 027202_ad EX
PLOT DATE : 7/24/2019 1:06 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

CURVE EB1
PI STA = 103+19.92
Y = 137166.638
X = 325976.764
DELTA = 1°22'27"
D = 0°34'23"
T = 119.93'
L = 239.85'
R = 10000.00'
PC STA = 101+99.99
PT STA = 104+39.84

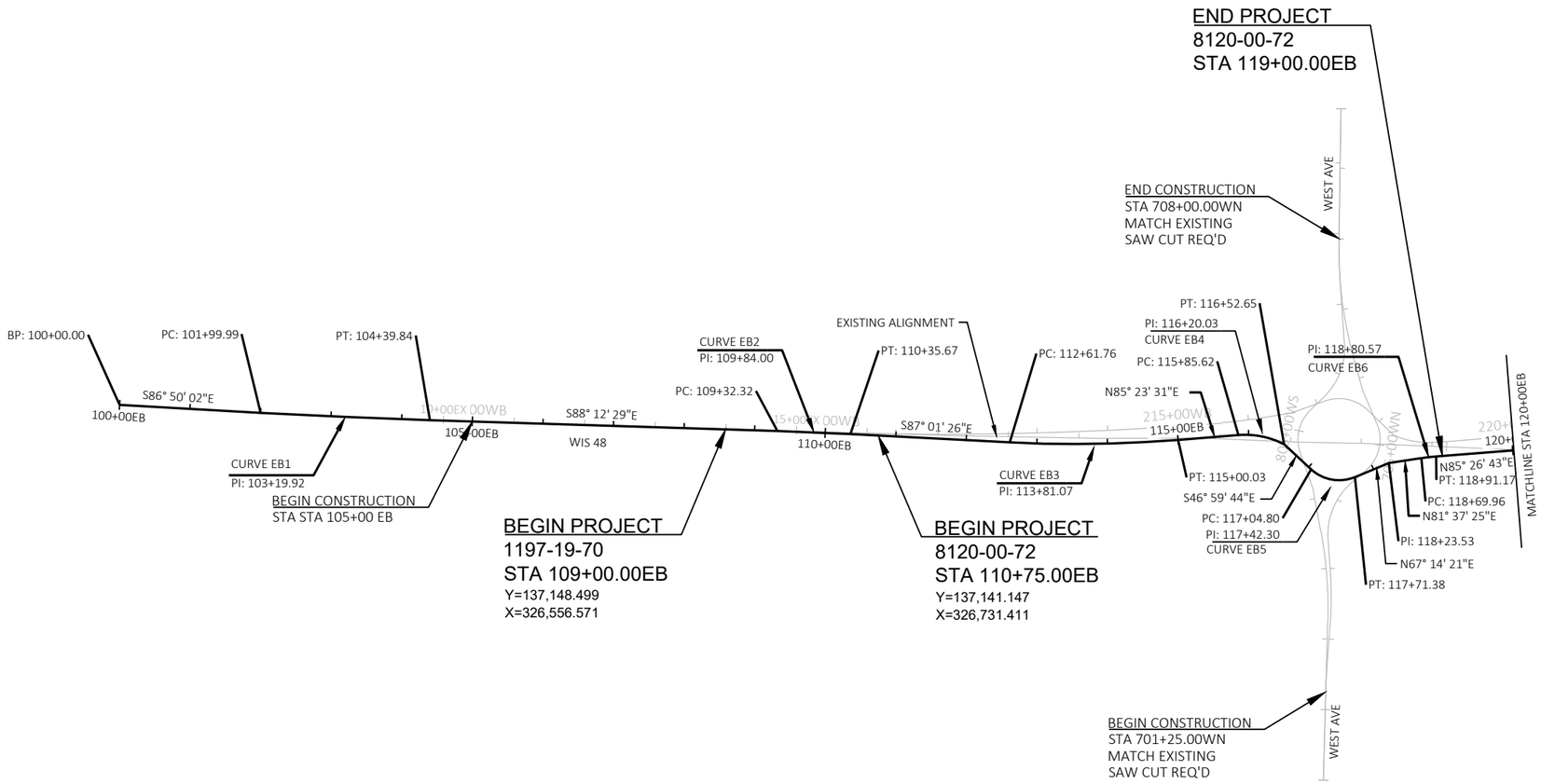
CURVE EB2
PI STA = 109+84.00
Y = 137145.872
X = 326640.528
DELTA = 1°11'03"
D = 1°08'45"
T = 51.67'
L = 103.34'
R = 5000.00'
PC STA = 109+32.32
PT STA = 110+35.67

CURVE EB3
PI STA = 113+81.07
Y = 137125.256
X = 327037.071
DELTA = 7°35'03"
D = 3°10'59"
T = 119.31'
L = 238.27'
R = 1800.00'
PC STA = 112+61.76
PT STA = 115+00.03

CURVE EB4
PI STA = 116+20.03
Y = 137144.485
X = 327275.607
DELTA = 32°00'17"
D = 47°44'47"
T = 34.41'
L = 67.03'
R = 120.00'
PC STA = 115+85.62
PT STA = 116+52.65

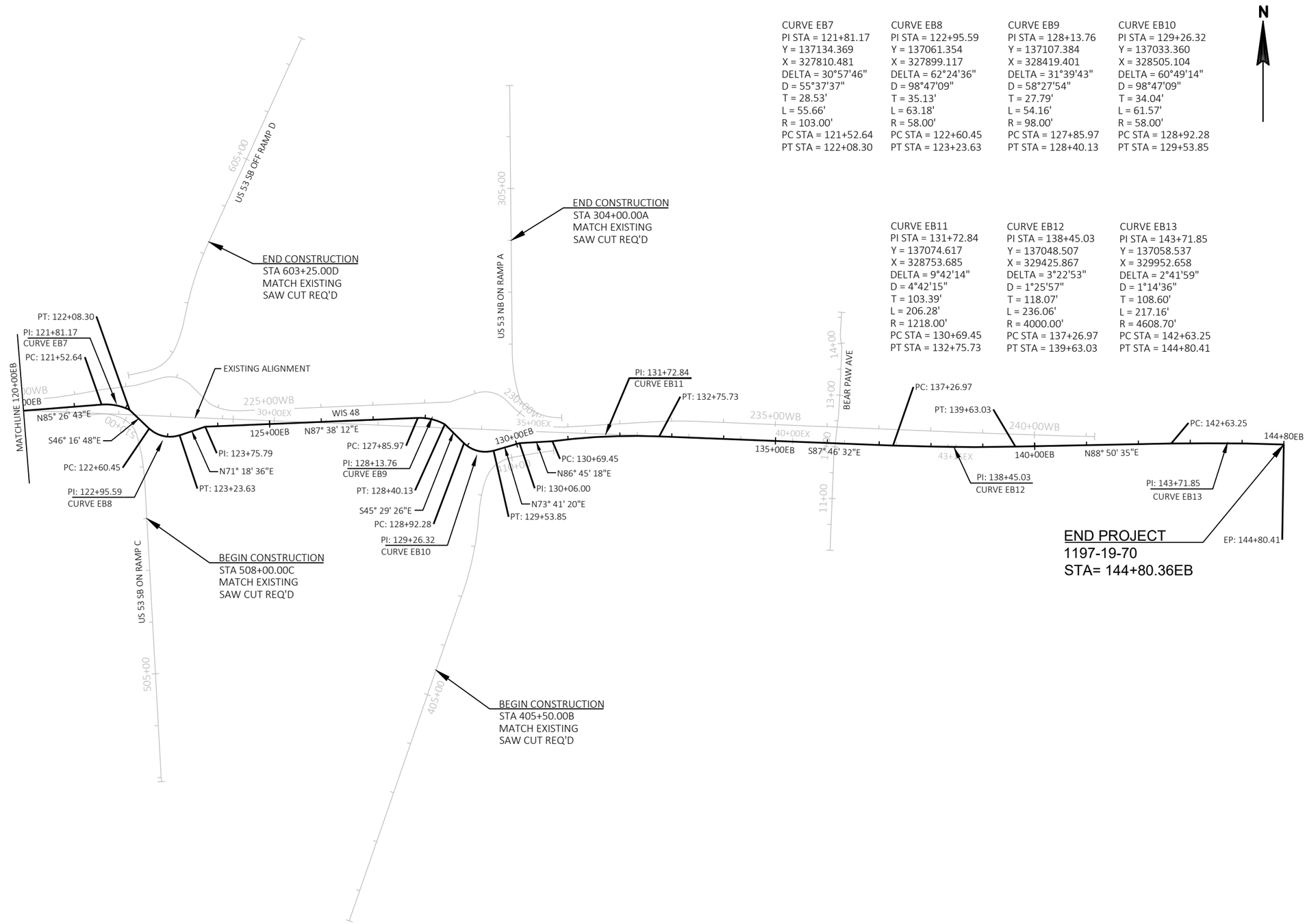
CURVE EB5
PI STA = 117+42.30
Y = 137067.504
X = 327371.725
DELTA = 65°45'56"
D = 98°47'09"
T = 37.50'
L = 66.57'
R = 58.00'
PC STA = 117+04.80
PT STA = 117+71.38

CURVE EB6
PI STA = 118+80.57
Y = 137110.498
X = 327510.824
DELTA = 3°49'18"
D = 18°01'03"
T = 10.61'
L = 21.21'
R = 318.00'
PC STA = 118+69.96
PT STA = 118+91.17



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - EB	SHEET 278	E

2



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	ALIGNMENT DETAILS - EB	SHEET 279	E

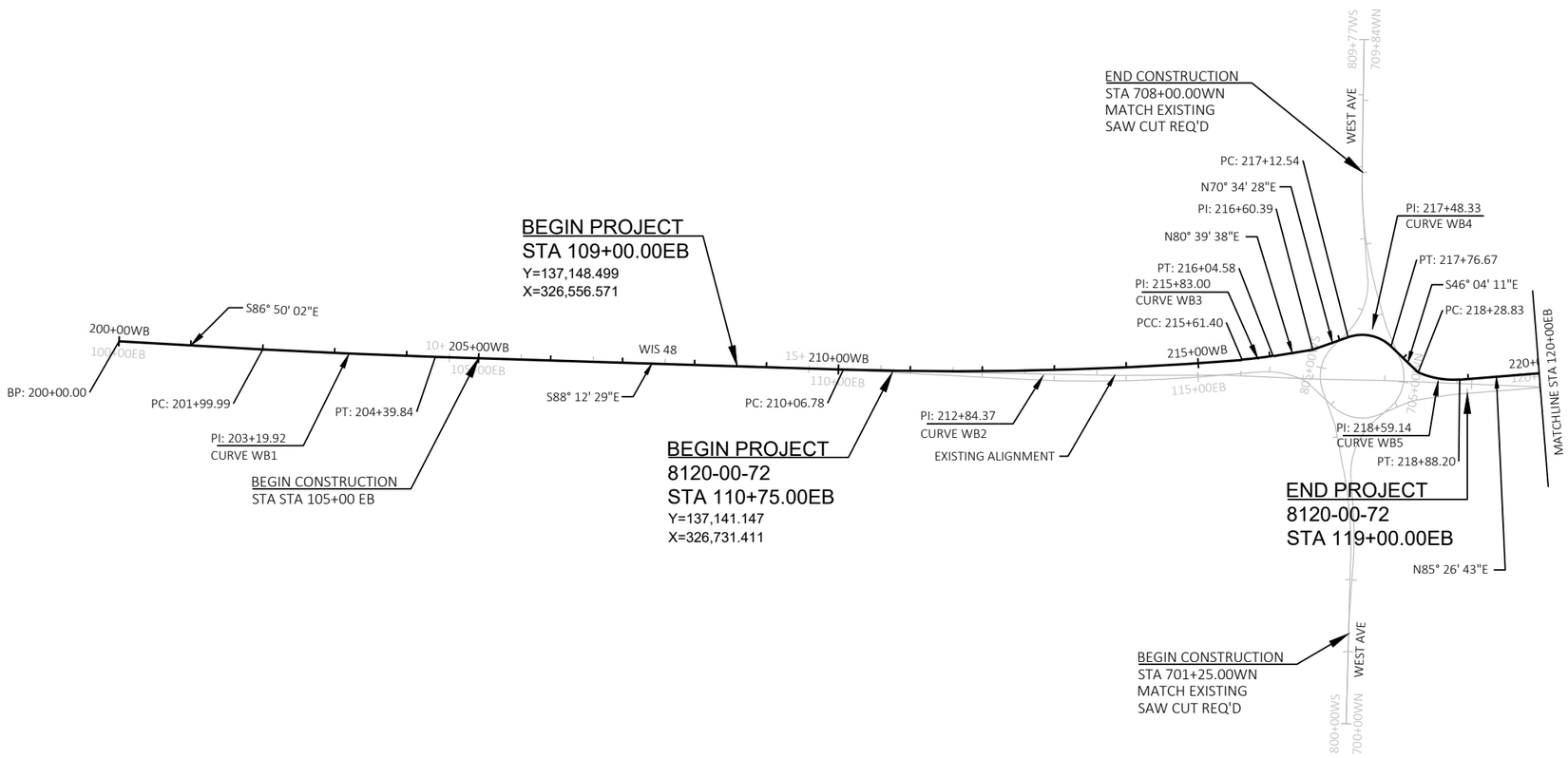
CURVE WB1
PI STA = 203+19.92
Y = 137166.638
X = 325976.764
DELTA = 1°22'27"
D = 0°34'23"
T = 119.93'
L = 239.85'
R = 10000.00'
PC STA = 201+99.99
PT STA = 204+39.84

CURVE WB2
PI STA = 212+84.37
Y = 137136.480
X = 326940.756
DELTA = 6°21'20"
D = 1°08'45"
T = 277.60'
L = 554.63'
R = 5000.00'
PC STA = 210+06.78
PT STA = 215+61.40

CURVE WB3
PI STA = 215+83.00
Y = 137160.286
X = 327239.007
DELTA = 4°46'33"
D = 11°03'39"
T = 21.60'
L = 43.18'
R = 518.00'
PC STA = 215+61.40
PT STA = 216+04.58

CURVE WB4
PI STA = 217+48.33
Y = 137202.097
X = 327398.326
DELTA = 63°21'21"
D = 98°47'09"
T = 35.79'
L = 64.13'
R = 58.00'
PC STA = 217+12.54
PT STA = 217+76.67

CURVE WB5
PI STA = 218+59.14
Y = 137128.854
X = 327489.394
DELTA = 28°20'58"
D = 47°44'47"
T = 30.31'
L = 59.37'
R = 120.00'
PC STA = 218+28.83
PT STA = 218+88.20



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - WB	SHEET 280	E

2

CURVE WB6
PI STA = 220+66.39
Y = 137145.411
X = 327697.229
DELTA = 5°39'53"
D = 7°00'16"
T = 40.47'
L = 80.87'
R = 818.00'
PC STA = 220+25.92
PT STA = 221+06.79

CURVE WB7
PI STA = 223+04.63
Y = 137192.683
X = 327930.292
DELTA = 60°37'02"
D = 98°47'09"
T = 33.90'
L = 61.36'
R = 58.00'
PC STA = 222+70.73
PT STA = 223+32.09

CURVE WB8
PI STA = 224+12.03
Y = 137118.756
X = 328015.898
DELTA = 31°39'41"
D = 58°27'54"
T = 27.79'
L = 54.15'
R = 98.00'
PC STA = 223+84.24
PT STA = 224+38.40

CURVE WB9
PI STA = 229+37.54
Y = 137163.009
X = 328538.463
DELTA = 58°56'45"
D = 98°47'09"
T = 32.78'
L = 59.67'
R = 58.00'
PC STA = 229+04.76
PT STA = 229+64.43

CURVE WB10
PI STA = 230+43.10
Y = 137085.263
X = 328618.311
DELTA = 47°36'39"
D = 48°33'21"
T = 52.06'
L = 98.05'
R = 118.00'
PC STA = 229+91.04
PT STA = 230+89.10

CURVE WB11
PI STA = 233+08.36
Y = 137101.237
X = 328889.162
DELTA = 5°44'20"
D = 7°09'43"
T = 40.10'
L = 80.13'
R = 800.00'
PC STA = 232+68.26
PT STA = 233+48.39

CURVE WB12
PI STA = 239+83.28
Y = 137073.399
X = 329563.577
DELTA = 1°03'56"
D = 0°42'58"
T = 74.40'
L = 148.79'
R = 8000.00'
PC STA = 239+08.88
PT STA = 240+57.68

N

END CONSTRUCTION
STA 603+25.00D
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 304+00.00A
MATCH EXISTING
SAW CUT REQ'D

BEGIN CONSTRUCTION
STA 508+00.00C
MATCH EXISTING
SAW CUT REQ'D

BEGIN CONSTRUCTION
STA 405+50.00B
MATCH EXISTING
SAW CUT REQ'D

END PROJECT
1197-19-70
STA= 144+80.36EB

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	ALIGNMENT DETAILS - WB	SHEET 281	E

CURVE WN1
PI STA = 701+50.05
Y = 136803.079
X = 327365.931
DELTA = 2°48'49"
D = 9°32'57"
T = 14.74'
L = 29.47'
R = 600.00'
PC STA = 701+35.31
PT STA = 701+64.78

CURVE WN2
PI STA = 702+59.04
Y = 136911.766
X = 327374.201
DELTA = 8°26'19"
D = 9°32'57"
T = 44.26'
L = 88.37'
R = 600.00'
PC STA = 702+14.78
PT STA = 703+03.15

CURVE WN3
PI STA = 703+90.42
Y = 137042.973
X = 327364.825
DELTA = 53°35'40"
D = 58°27'54"
T = 49.50'
L = 91.67'
R = 98.00'
PC STA = 703+40.93
PT STA = 704+32.60

CURVE WN4
PI STA = 704+99.92
Y = 137118.833
X = 327453.669
DELTA = 72°09'56"
D = 98°47'09"
T = 42.27'
L = 73.05'
R = 58.00'
PC STA = 704+57.66
PT STA = 705+30.71

CURVE WN5
PI STA = 707+11.36
Y = 137329.699
X = 327382.610
DELTA = 16°33'24"
D = 10°05'14"
T = 82.64'
L = 164.13'
R = 568.00'
PC STA = 706+28.72
PT STA = 707+92.85

CURVE D1
PI STA = 600+21.13
Y = 137192.085
X = 327854.673
DELTA = 4°50'25"
D = 11°27'33"
T = 21.13'
L = 42.24'
R = 500.00'
PC STA = 600+00.00
PT STA = 600+42.24

CURVE D2
PI STA = 600+60.09
Y = 137202.213
X = 327892.314
DELTA = 28°36'29"
D = 81°51'04"
T = 17.85'
L = 34.95'
R = 70.00'
PC STA = 600+42.24
PT STA = 600+77.19

CURVE D3
PI STA = 600+95.25
Y = 137227.009
X = 327918.291
DELTA = 23°59'40"
D = 67°24'24"
T = 18.06'
L = 35.60'
R = 85.00'
PC STA = 600+77.19
PT STA = 601+12.79

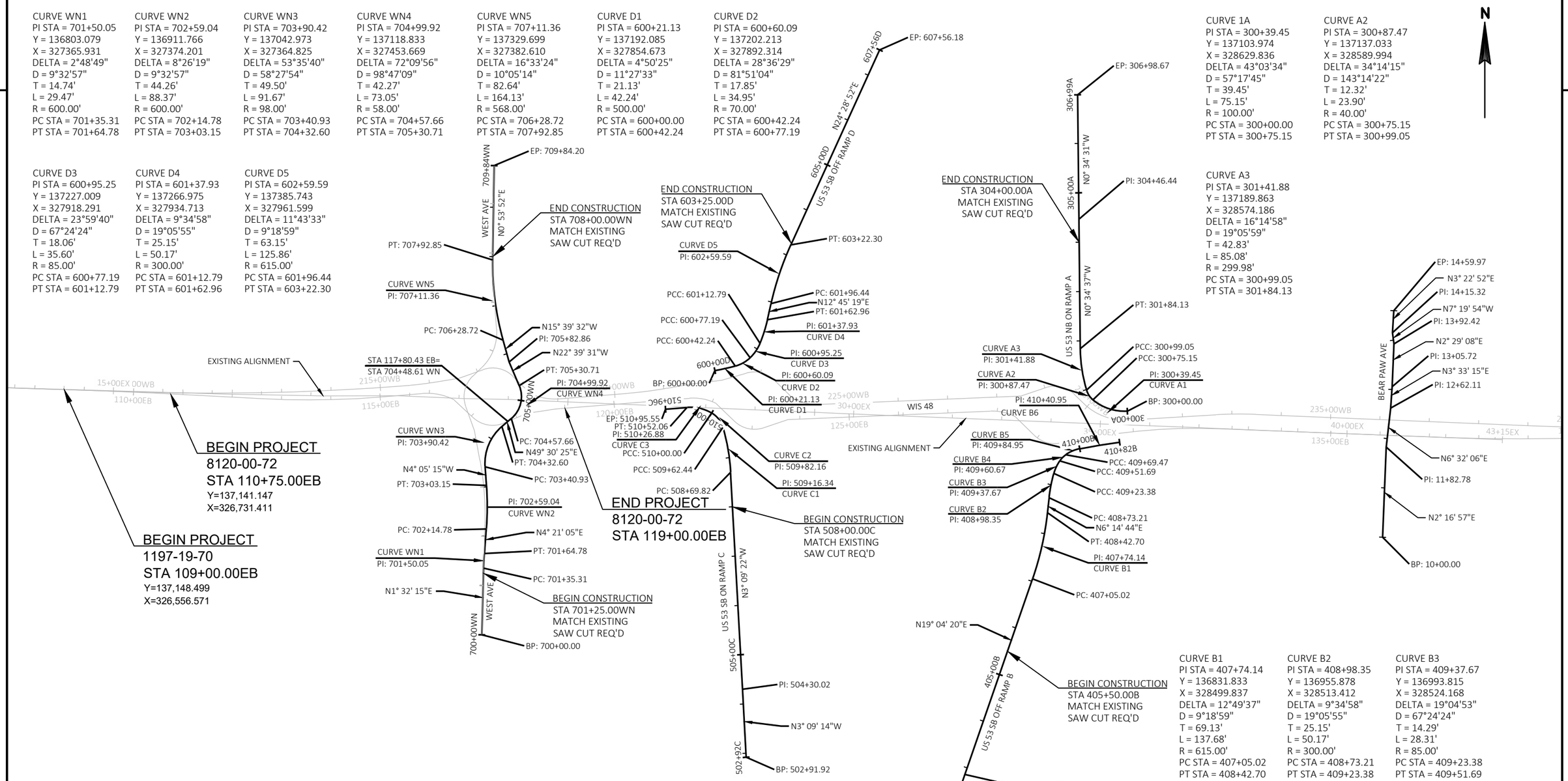
CURVE D4
PI STA = 601+37.93
Y = 137266.975
X = 327934.713
DELTA = 9°34'58"
D = 19°05'55"
T = 25.15'
L = 50.17'
R = 300.00'
PC STA = 601+12.79
PT STA = 601+62.96

CURVE D5
PI STA = 602+59.59
Y = 137385.743
X = 327961.599
DELTA = 11°43'33"
D = 9°18'59"
T = 63.15'
L = 125.86'
R = 615.00'
PC STA = 601+96.44
PT STA = 603+22.30

CURVE 1A
PI STA = 300+39.45
Y = 137103.974
X = 328629.836
DELTA = 43°03'34"
D = 57°17'45"
T = 39.45'
L = 75.15'
R = 100.00'
PC STA = 300+00.00
PT STA = 300+75.15

CURVE A2
PI STA = 300+87.47
Y = 137137.033
X = 328589.994
DELTA = 34°14'15"
D = 143°14'22"
T = 12.32'
L = 23.90'
R = 40.00'
PC STA = 300+75.15
PT STA = 300+99.05

CURVE A3
PI STA = 301+41.88
Y = 137189.863
X = 328574.186
DELTA = 16°14'58"
D = 19°05'59"
T = 42.83'
L = 85.08'
R = 299.98'
PC STA = 300+99.05
PT STA = 301+84.13



CURVE C1
PI STA = 509+16.34
Y = 137028.597
X = 327862.924
DELTA = 13°16'01"
D = 14°19'26"
T = 46.52'
L = 92.62'
R = 400.00'
PC STA = 508+69.82
PT STA = 509+62.44

CURVE C2
PI STA = 509+82.16
Y = 137092.128
X = 327844.198
DELTA = 43°02'18"
D = 114°35'30"
T = 19.71'
L = 37.56'
R = 50.00'
PC STA = 509+62.44
PT STA = 510+00.00

CURVE C3
PI STA = 510+26.88
Y = 137115.802
X = 327804.070
DELTA = 35°05'35"
D = 67°24'24"
T = 26.88'
L = 52.06'
R = 85.00'
PC STA = 510+00.00
PT STA = 510+52.06

CURVE B1
PI STA = 407+74.14
Y = 136831.833
X = 328499.837
DELTA = 12°49'37"
D = 9°18'59"
T = 69.13'
L = 137.68'
R = 615.00'
PC STA = 407+05.02
PT STA = 408+42.70

CURVE B2
PI STA = 408+98.35
Y = 136955.878
X = 328513.412
DELTA = 9°34'58"
D = 19°05'55"
T = 25.15'
L = 50.17'
R = 300.00'
PC STA = 408+73.21
PT STA = 409+23.38

CURVE B3
PI STA = 409+37.67
Y = 136993.815
X = 328524.168
DELTA = 19°04'53"
D = 67°24'24"
T = 14.29'
L = 28.31'
R = 85.00'
PC STA = 409+23.38
PT STA = 409+51.69

CURVE B4
PI STA = 409+60.67
Y = 137012.900
X = 328537.486
DELTA = 20°22'41"
D = 114°35'30"
T = 8.99'
L = 17.78'
R = 50.00'
PC STA = 409+51.69
PT STA = 409+69.47

CURVE B5
PI STA = 409+84.95
Y = 137026.832
X = 328557.597
DELTA = 23°19'21"
D = 76°23'40"
T = 15.48'
L = 30.53'
R = 75.00'
PC STA = 409+69.47
PT STA = 410+00.00

CURVE B6
PI STA = 410+40.95
Y = 137037.976
X = 328612.917
DELTA = 3°54'33"
D = 4°46'29"
T = 40.95'
L = 81.87'
R = 1200.00'
PC STA = 410+00.00
PT STA = 410+81.87

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - SIDE ROADS & RAMPS	SHEET 282	E

2

N

EP: 809+76.85

709+84WN

WEST AVE

END CONSTRUCTION
STA 708+00.00WN
MATCH EXISTING
SAW CUT REQ'D

PT: 807+85.51

PI: 807+61.27
CURVE WS4

PC: 807+37.01

N3° 59' 40"W

PC: 805+59.34

N46° 08' 51"E

PT: 806+45.10

PT: 805+34.28

PI: 805+05.19
CURVE WS2

PI: 806+05.18
CURVE WS3

BEGIN PROJECT
STA 109+00.00EB
Y=137,148.499
X=326,556.571

15+00EX 00WB

110+00EB

215+00WB

805WS

115+00EB

PC: 804+67.66

N19° 39' 45"W

PI: 804+15.50

N10° 26' 27"W

PT: 803+54.05

PI: 802+89.69
CURVE WS1

PC: 802+24.85

N1° 32' 15"E

WEST AVE

BEGIN CONSTRUCTION
STA 701+25.00WN
MATCH EXISTING
SAW CUT REQ'D

700+00WN

BP: 800+00.00

BEGIN PROJECT
8120-00-72
STA 110+75.00EB
Y=137,141.147
X=326,731.411

705+00WN

220+00WB

120+00EB

END PROJECT
8120-00-72
STA 119+00.00EB

607+56D

605+00D

US 53 SB OFF RAMP D

END CONSTRUCTION
STA 603+25.00D
MATCH EXISTING
SAW CUT REQ'D

600+00D

510+96C

510+00C

225+00WB

30+00EX

125+00EB

WIS 48

EXISTING ALIGNMENT

BEGIN CONSTRUCTION
STA 508+00.00C
MATCH EXISTING
SAW CUT REQ'D

US 53 SB ON RAMP C

505+00C

502+92C

306+99A

305+00A

US 53 NB ON RAMP A

END CONSTRUCTION
SAT 303+25.00A
MATCH EXISTING
SAW CUT REQ'D

230+00WB

300+00A

35+00EX

410+00B

410+82B

235+00WB

40+00EX

135+00EB

43+15EX

14+60

BEAR PAW AVE

10+00

405+00B

US 53 SB OFF RAMP B

BEGIN CONSTRUCTION
STA 405+50.00B
MATCH EXISTING
SAW CUT REQ'D

400+39B

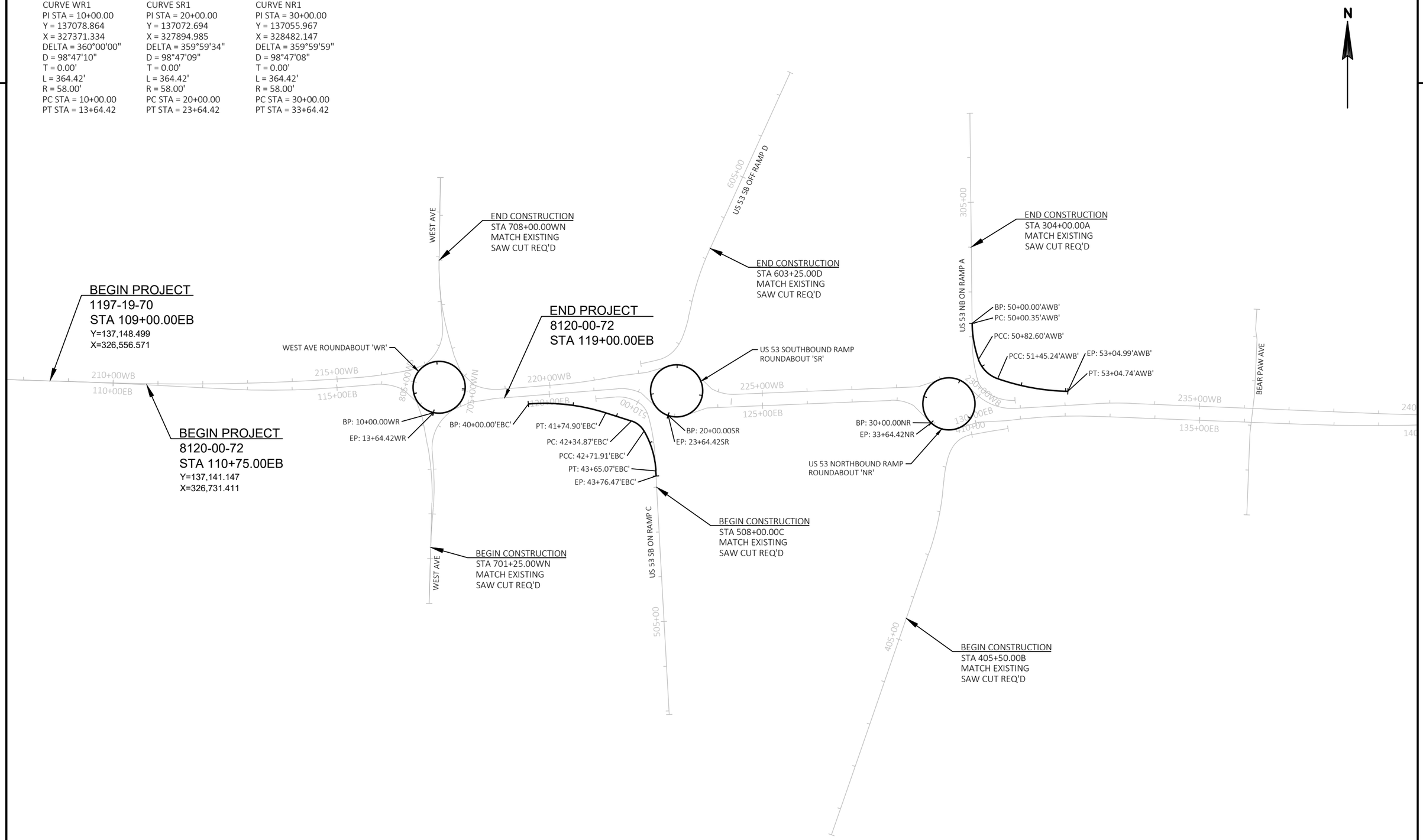
CURVE WS1	CURVE WS2	CURVE WS3	CURVE WS4
PI STA = 802+89.69	PI STA = 805+05.19	PI STA = 806+05.18	PI STA = 807+61.27
Y = 136942.672	Y = 137151.320	Y = 137226.444	Y = 137388.070
X = 327369.678	X = 327316.617	X = 327394.812	X = 327383.525
DELTA = 11°58'42"	DELTA = 65°48'36"	DELTA = 50°08'31"	DELTA = 4°53'32"
D = 9°16'16"	D = 98°47'09"	D = 58°27'54"	D = 10°05'14"
T = 64.84'	T = 37.53'	T = 45.85'	T = 24.26'
L = 129.20'	L = 66.62'	L = 85.76'	L = 48.50'
R = 618.00'	R = 58.00'	R = 98.00'	R = 568.00'
PC STA = 802+24.85	PC STA = 804+67.66	PC STA = 805+59.34	PC STA = 807+37.01
PT STA = 803+54.05	PT STA = 805+34.28	PT STA = 806+45.10	PT STA = 807+85.51

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - WEST AVE SB	SHEET 283	E

CURVE WR1
PI STA = 10+00.00
Y = 137078.864
X = 327371.334
DELTA = 360°00'00"
D = 98°47'10"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 10+00.00
PT STA = 13+64.42

CURVE SR1
PI STA = 20+00.00
Y = 137072.694
X = 327894.985
DELTA = 359°59'34"
D = 98°47'09"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 20+00.00
PT STA = 23+64.42

CURVE NR1
PI STA = 30+00.00
Y = 137055.967
X = 328482.147
DELTA = 359°59'59"
D = 98°47'08"
T = 0.00'
L = 364.42'
R = 58.00'
PC STA = 30+00.00
PT STA = 33+64.42



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - RAB & BYPASS LANES	SHEET 284	E

CURVE WC1
PI STA = 0+32.10
Y = 137095.396
X = 327400.571
DELTA = 34°18'03"
D = 286°28'44"
T = 6.17'
L = 11.97'
R = 20.00'
PC STA = 0+25.92
PT STA = 0+37.90

CURVE WC2
PI STA = 1+00.93
Y = 137130.821
X = 327460.022
DELTA = 111°23'53"
D = 133°14'46"
T = 63.03'
L = 83.60'
R = 43.00'
PC STA = 0+37.90
PT STA = 1+21.50

CURVE WC3
PI STA = 1+27.67
Y = 137173.250
X = 327405.349
DELTA = 34°18'03"
D = 286°28'44"
T = 6.17'
L = 11.97'
R = 20.00'
PC STA = 1+21.50
PT STA = 1+33.47

CURVE WC4
PI STA = 1+65.57
Y = 137175.594
X = 327367.153
DELTA = 34°18'03"
D = 286°28'44"
T = 6.17'
L = 11.97'
R = 20.00'
PC STA = 1+59.40
PT STA = 1+71.37

CURVE WC5
PI STA = 2+34.40
Y = 137140.168
X = 327307.702
DELTA = 111°23'52"
D = 133°14'46"
T = 63.03'
L = 83.60'
R = 43.00'
PC STA = 1+71.37
PT STA = 2+54.97

CURVE WC6
PI STA = 2+61.14
Y = 137097.740
X = 327362.376
DELTA = 34°18'04"
D = 286°28'44"
T = 6.17'
L = 11.97'
R = 20.00'
PC STA = 2+54.97
PT STA = 2+66.95

CURVE SC1
PI STA = 0+23.52
Y = 137096.671
X = 327911.412
DELTA = 26°28'02"
D = 57°17'45"
T = 23.52'
L = 46.19'
R = 100.00'
PC STA = 0+00.00
PT STA = 0+46.19

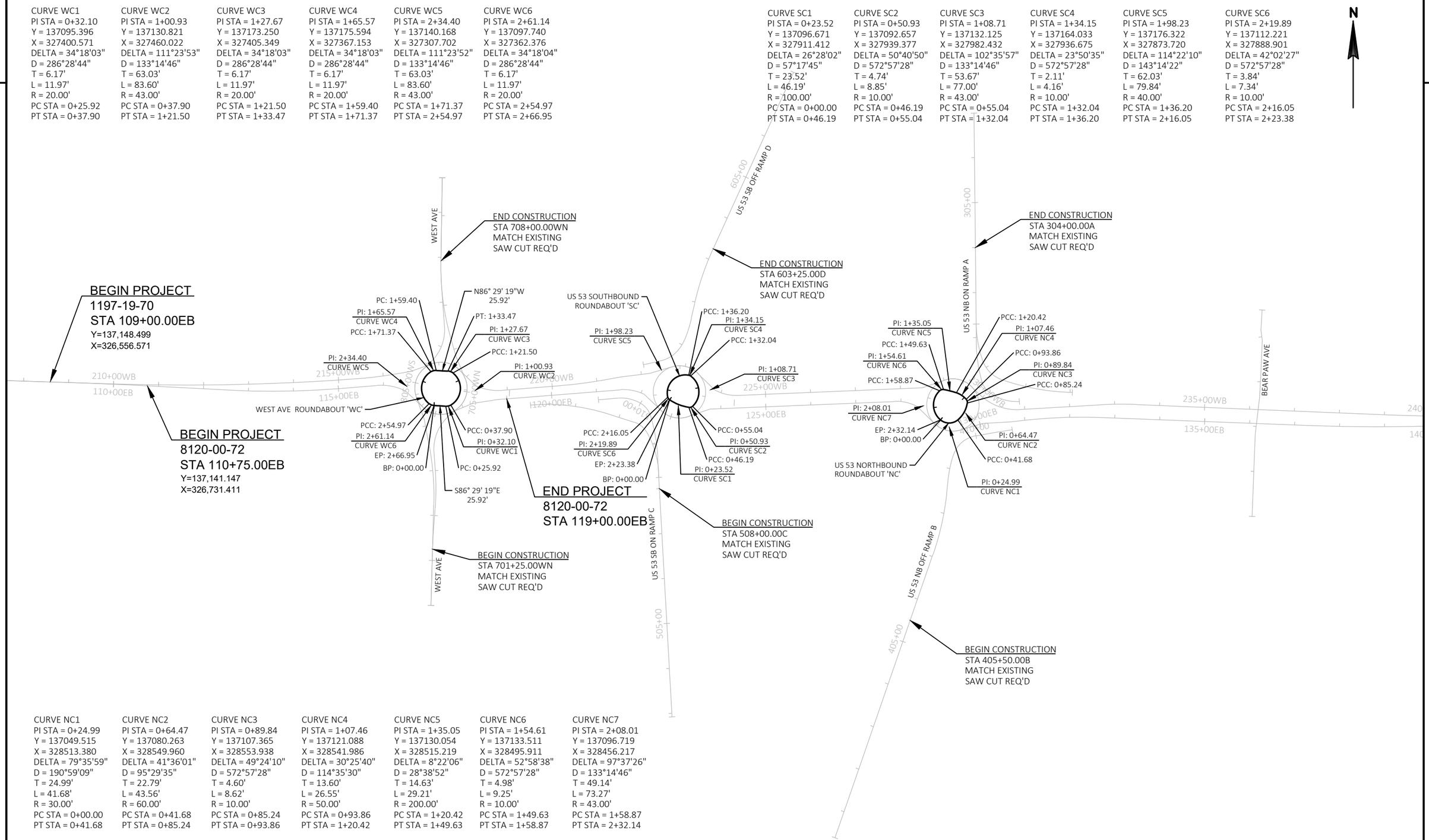
CURVE SC2
PI STA = 0+50.93
Y = 137092.657
X = 327939.377
DELTA = 50°40'50"
D = 572°57'28"
T = 4.74'
L = 8.85'
R = 10.00'
PC STA = 0+46.19
PT STA = 0+55.04

CURVE SC3
PI STA = 1+08.71
Y = 137132.125
X = 327982.432
DELTA = 102°35'57"
D = 133°14'46"
T = 53.67'
L = 77.00'
R = 43.00'
PC STA = 0+55.04
PT STA = 1+32.04

CURVE SC4
PI STA = 1+34.15
Y = 137164.033
X = 327936.675
DELTA = 23°50'35"
D = 572°57'28"
T = 2.11'
L = 4.16'
R = 10.00'
PC STA = 1+32.04
PT STA = 1+36.20

CURVE SC5
PI STA = 1+98.23
Y = 137176.322
X = 327873.720
DELTA = 114°22'10"
D = 143°14'22"
T = 62.03'
L = 79.84'
R = 40.00'
PC STA = 1+36.20
PT STA = 2+16.05

CURVE SC6
PI STA = 2+19.89
Y = 137112.221
X = 327888.901
DELTA = 42°02'27"
D = 572°57'28"
T = 3.84'
L = 7.34'
R = 10.00'
PC STA = 2+16.05
PT STA = 2+23.38



CURVE NC1
PI STA = 0+24.99
Y = 137049.515
X = 328513.380
DELTA = 79°35'59"
D = 190°59'09"
T = 24.99'
L = 41.68'
R = 30.00'
PC STA = 0+00.00
PT STA = 0+41.68

CURVE NC2
PI STA = 0+64.47
Y = 137080.263
X = 328549.960
DELTA = 41°36'01"
D = 95°29'35"
T = 22.79'
L = 43.56'
R = 60.00'
PC STA = 0+41.68
PT STA = 0+85.24

CURVE NC3
PI STA = 0+89.84
Y = 137107.365
X = 328553.938
DELTA = 49°24'10"
D = 572°57'28"
T = 4.60'
L = 8.62'
R = 10.00'
PC STA = 0+85.24
PT STA = 0+93.86

CURVE NC4
PI STA = 1+07.46
Y = 137121.088
X = 328541.986
DELTA = 30°25'40"
D = 114°35'30"
T = 13.60'
L = 26.55'
R = 50.00'
PC STA = 0+93.86
PT STA = 1+20.42

CURVE NC5
PI STA = 1+35.05
Y = 137130.054
X = 328515.219
DELTA = 8°22'06"
D = 28°38'52"
T = 14.63'
L = 29.21'
R = 200.00'
PC STA = 1+20.42
PT STA = 1+49.63

CURVE NC6
PI STA = 1+54.61
Y = 137133.511
X = 328495.911
DELTA = 52°58'38"
D = 572°57'28"
T = 4.98'
L = 9.25'
R = 10.00'
PC STA = 1+49.63
PT STA = 1+58.87

CURVE NC7
PI STA = 2+08.01
Y = 137096.719
X = 328456.217
DELTA = 97°37'26"
D = 133°14'46"
T = 49.14'
L = 73.27'
R = 43.00'
PC STA = 1+58.87
PT STA = 2+32.14

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	ALIGNMENT DETAILS - RAB	SHEET 285	E

CURVE WNW1
PI STA = 0+07.00
Y = 137355.485
X = 327365.752
DELTA = 1°21'53"
D = 9°44'39"
T = 7.00'
L = 14.01'
R = 588.00'
PC STA = -0+00.00
PT STA = 0+14.01

CURVE WNW2
PI STA = 1+13.21
Y = 137249.742
X = 327375.672
DELTA = 32°19'20"
D = 71°37'11"
T = 23.18'
L = 45.13'
R = 80.00'
PC STA = 0+90.03
PT STA = 1+35.16

CURVE WNW3
PI STA = 1+60.08
Y = 137206.866
X = 327353.860
DELTA = 45°06'41"
D = 95°29'35"
T = 24.92'
L = 47.24'
R = 60.00'
PC STA = 1+35.16
PT STA = 1+82.40

CURVE WNW4
PI STA = 2+19.93
Y = 137187.644
X = 327294.437
DELTA = 8°35'10"
D = 11°27'33"
T = 37.53'
L = 74.93'
R = 500.00'
PC STA = 1+82.40
PT STA = 2+57.32

CURVE WNE1
PI STA = 0+23.24
Y = 137147.535
X = 327497.227
DELTA = 30°35'06"
D = 67°24'24"
T = 23.24'
L = 45.37'
R = 85.00'
PC STA = -0+00.00
PT STA = 0+45.37

CURVE WNE2
PI STA = 0+53.37
Y = 137161.245
X = 327469.156
DELTA = 18°10'41"
D = 114°35'30"
T = 8.00'
L = 15.86'
R = 50.00'
PC STA = 0+45.37
PT STA = 0+61.24

CURVE WNE3
PI STA = 0+82.76
Y = 137181.829
X = 327447.995
DELTA = 24°17'28"
D = 57°17'45"
T = 21.52'
L = 42.40'
R = 100.00'
PC STA = 0+61.24
PT STA = 1+03.63

CURVE WNE4
PI STA = 1+82.25
Y = 137275.002
X = 327411.293
DELTA = 16°16'13"
D = 10°25'03"
T = 78.62'
L = 156.18'
R = 550.00'
PC STA = 1+03.63
PT STA = 2+59.82

CURVE WNE5
PI STA = 2+70.52
Y = 137363.956
X = 327403.150
DELTA = 6°07'41"
D = 28°38'52"
T = 10.71'
L = 21.39'
R = 200.00'
PC STA = 2+59.82
PT STA = 2+81.21

CURVE SNE1
PI STA = 0+63.44
Y = 137226.311
X = 327940.887
DELTA = 22°18'00"
D = 55°37'37"
T = 20.30'
L = 40.09'
R = 103.00'
PC STA = 0+43.14
PT STA = 0+83.23

CURVE SNE2
PI STA = 0+89.15
Y = 137204.849
X = 327925.829
DELTA = 111°52'47"
D = 1432°23'40"
T = 5.92'
L = 7.81'
R = 4.00'
PC STA = 0+83.23
PT STA = 0+91.04

CURVE SNE3
PI STA = 1+14.37
Y = 137198.183
X = 327954.305
DELTA = 33°18'09"
D = 73°27'22"
T = 23.33'
L = 45.34'
R = 78.00'
PC STA = 0+91.04
PT STA = 1+36.38

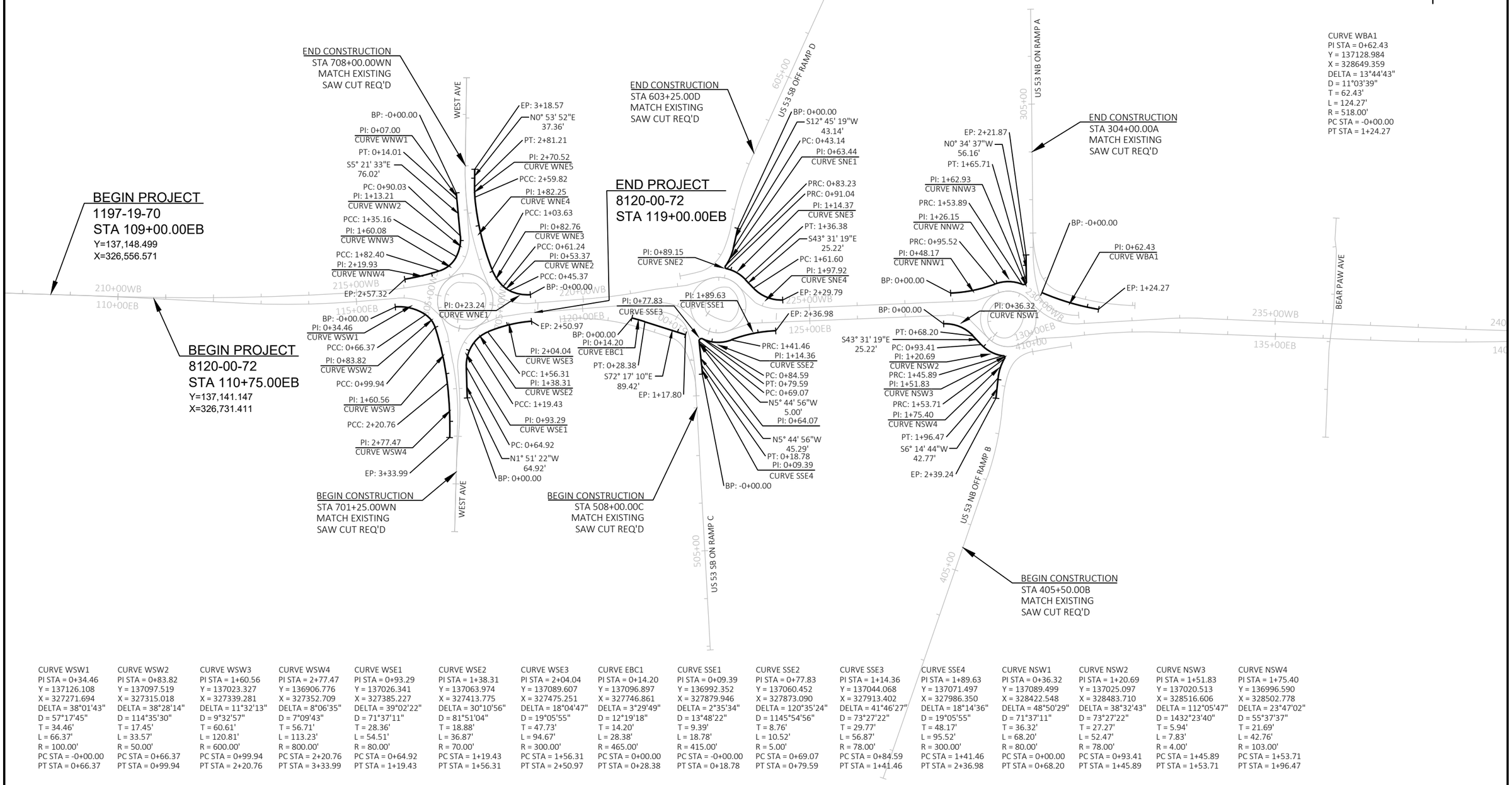
CURVE SNE4
PI STA = 1+97.92
Y = 137136.641
X = 328012.750
DELTA = 48°50'29"
D = 71°37'11"
T = 36.32'
L = 68.20'
R = 80.00'
PC STA = 1+61.60
PT STA = 2+29.79

CURVE NNW1
PI STA = 0+48.17
Y = 137154.643
X = 328448.948
DELTA = 18°14'36"
D = 19°05'55"
T = 48.17'
L = 95.52'
R = 300.00'
PC STA = 0+00.00
PT STA = 0+95.52

CURVE NNW2
PI STA = 1+26.15
Y = 137182.375
X = 328522.704
DELTA = 42°52'37"
D = 73°27'22"
T = 30.63'
L = 58.37'
R = 78.00'
PC STA = 0+95.52
PT STA = 1+53.89

CURVE NNW3
PI STA = 1+62.93
Y = 137167.342
X = 328559.412
DELTA = 112°50'51"
D = 954°55'47"
T = 9.04'
L = 11.82'
R = 6.00'
PC STA = 1+53.89
PT STA = 1+65.71

CURVE WBA1
PI STA = 0+62.43
Y = 137128.984
X = 328649.359
DELTA = 13°44'43"
D = 11°03'39"
T = 62.43'
L = 124.27'
R = 518.00'
PC STA = -0+00.00
PT STA = 1+24.27



CURVE WSW1
PI STA = 0+34.46
Y = 137126.108
X = 327271.694
DELTA = 38°01'43"
D = 57°17'45"
T = 34.46'
L = 66.37'
R = 100.00'
PC STA = -0+00.00
PT STA = 0+66.37

CURVE WSW2
PI STA = 0+83.82
Y = 137097.519
X = 327315.018
DELTA = 38°28'14"
D = 114°35'30"
T = 17.45'
L = 33.57'
R = 50.00'
PC STA = 0+66.37
PT STA = 0+99.94

CURVE WSW3
PI STA = 1+60.56
Y = 137023.327
X = 327339.281
DELTA = 11°32'13"
D = 9°32'57"
T = 60.61'
L = 120.81'
R = 600.00'
PC STA = 0+99.94
PT STA = 2+20.76

CURVE WSW4
PI STA = 2+77.47
Y = 136906.776
X = 327352.709
DELTA = 8°06'35"
D = 7°09'43"
T = 56.71'
L = 113.23'
R = 800.00'
PC STA = 2+20.76
PT STA = 3+33.99

CURVE WSE1
PI STA = 0+93.29
Y = 137026.341
X = 327385.227
DELTA = 39°02'22"
D = 71°37'11"
T = 28.36'
L = 54.51'
R = 80.00'
PC STA = 0+64.92
PT STA = 1+19.43

CURVE WSE2
PI STA = 1+38.31
Y = 137063.974
X = 327413.775
DELTA = 30°10'56"
D = 81°51'04"
T = 18.88'
L = 36.87'
R = 70.00'
PC STA = 1+19.43
PT STA = 1+56.31

CURVE WSE3
PI STA = 2+04.04
Y = 137089.607
X = 327475.251
DELTA = 18°04'47"
D = 19°05'55"
T = 47.73'
L = 94.67'
R = 300.00'
PC STA = 1+56.31
PT STA = 2+50.97

CURVE EBC1
PI STA = 0+14.20
Y = 137096.897
X = 327746.861
DELTA = 3°29'49"
D = 12°19'18"
T = 14.20'
L = 28.38'
R = 465.00'
PC STA = 0+00.00
PT STA = 0+28.38

CURVE SSE1
PI STA = 0+09.39
Y = 136992.352
X = 327879.946
DELTA = 2°35'34"
D = 13°48'22"
T = 9.39'
L = 18.78'
R = 415.00'
PC STA = -0+00.00
PT STA = 0+18.78

CURVE SSE2
PI STA = 0+77.83
Y = 137060.452
X = 327873.090
DELTA = 120°35'24"
D = 1145°54'56"
T = 8.76'
L = 10.52'
R = 5.00'
PC STA = 0+69.07
PT STA = 0+79.59

CURVE SSE3
PI STA = 1+14.36
Y = 137044.068
X = 327913.402
DELTA = 41°46'27"
D = 73°27'22"
T = 29.77'
L = 56.87'
R = 78.00'
PC STA = 0+84.59
PT STA = 1+41.46

CURVE SSE4
PI STA = 1+89.63
Y = 137071.497
X = 327986.350
DELTA = 18°14'36"
D = 19°05'55"
T = 48.17'
L = 95.52'
R = 300.00'
PC STA = 1+41.46
PT STA = 2+36.98

CURVE NSW1
PI STA = 0+36.32
Y = 137089.499
X = 328422.548
DELTA = 48°50'29"
D = 71°37'11"
T = 36.32'
L = 68.20'
R = 80.00'
PC STA = 0+00.00
PT STA = 0+68.20

CURVE NSW2
PI STA = 1+20.69
Y = 137025.097
X = 328483.710
DELTA = 38°32'43"
D = 73°27'22"
T = 27.27'
L = 52.47'
R = 78.00'
PC STA = 0+93.41
PT STA = 1+45.89

CURVE NSW3
PI STA = 1+51.83
Y = 137020.513
X = 328516.606
DELTA = 112°05'47"
D = 1432°23'40"
T = 5.94'
L = 7.83'
R = 4.00'
PC STA = 1+45.89
PT STA = 1+53.71

CURVE NSW4
PI STA = 1+75.40
Y = 136996.590
X = 328502.778
DELTA = 23°47'02"
D = 55°37'37"
T = 21.69'
L = 42.76'
R = 103.00'
PC STA = 1+53.71
PT STA = 1+96.47

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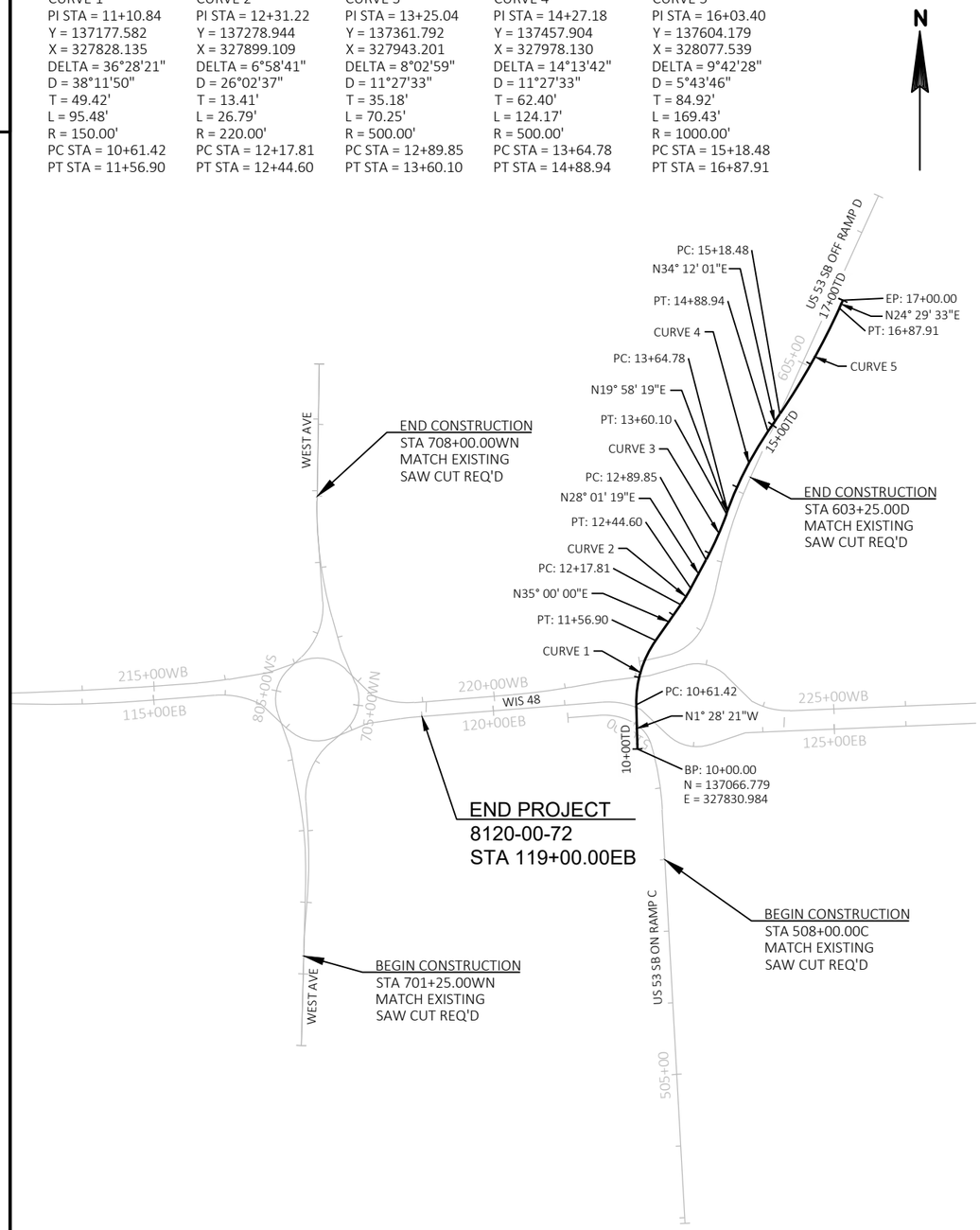
CURVE 1
PI STA = 11+10.84
Y = 137177.582
X = 327828.135
DELTA = 36°28'21"
D = 38°11'50"
T = 49.42'
L = 95.48'
R = 150.00'
PC STA = 10+61.42
PT STA = 11+56.90

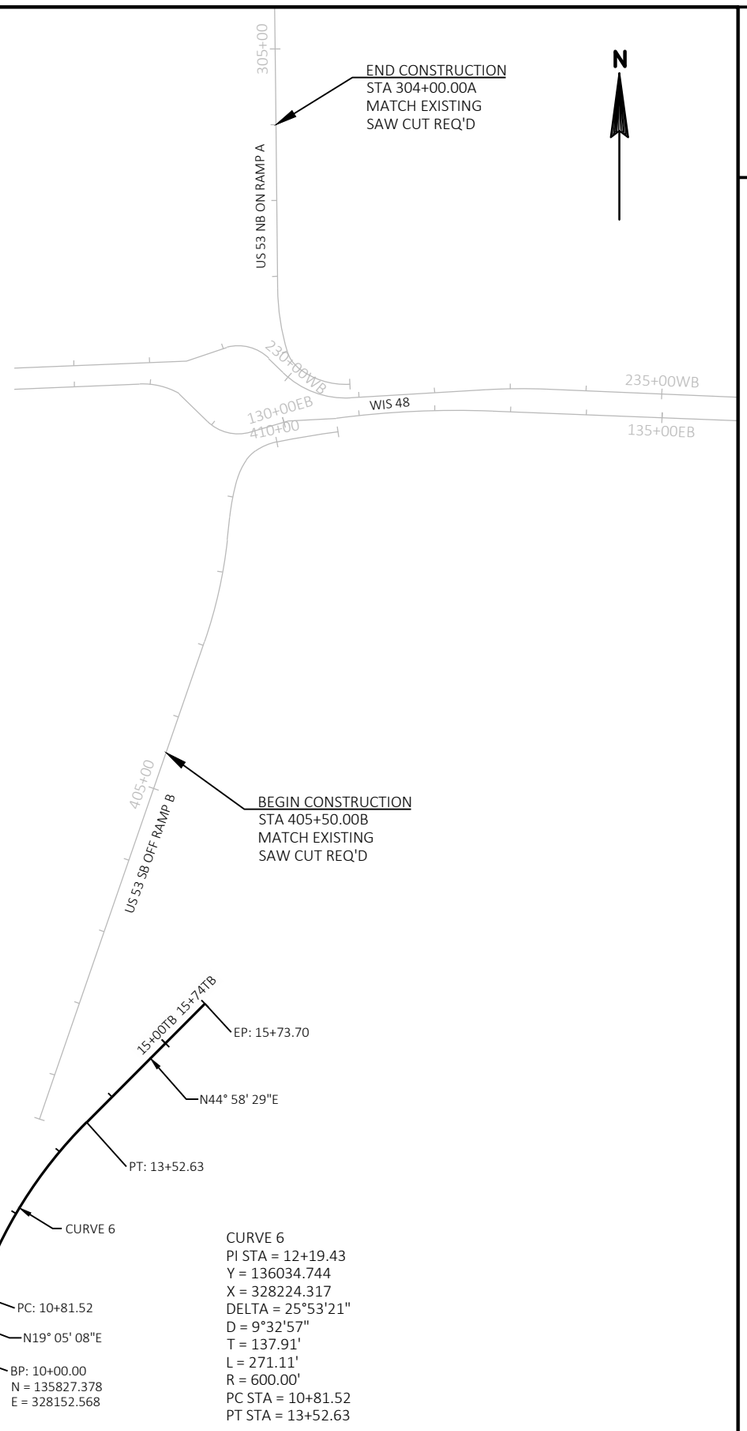
CURVE 2
PI STA = 12+31.22
Y = 137278.944
X = 327899.109
DELTA = 6°58'41"
D = 26°02'37"
T = 13.41'
L = 26.79'
R = 220.00'
PC STA = 12+17.81
PT STA = 12+44.60

CURVE 3
PI STA = 13+25.04
Y = 137361.792
X = 327943.201
DELTA = 8°02'59"
D = 11°27'33"
T = 35.18'
L = 70.25'
R = 500.00'
PC STA = 12+89.85
PT STA = 13+60.10

CURVE 4
PI STA = 14+27.18
Y = 137457.904
X = 327978.130
DELTA = 14°13'42"
D = 11°27'33"
T = 62.40'
L = 124.17'
R = 500.00'
PC STA = 13+64.78
PT STA = 14+88.94

CURVE 5
PI STA = 16+03.40
Y = 137604.179
X = 328077.539
DELTA = 9°42'28"
D = 5°43'46"
T = 84.92'
L = 169.43'
R = 1000.00'
PC STA = 15+18.48
PT STA = 16+87.91





CURVE 6
PI STA = 12+19.43
Y = 136034.744
X = 328224.317
DELTA = 25°53'21"
D = 9°32'57"
T = 137.91'
L = 271.11'
R = 600.00'
PC STA = 10+81.52
PT STA = 13+52.63

					1197-19-70	8120-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0002	201.0105	Clearing	STA	6.000	3.000	3.000
0004	201.0205	Grubbing	STA	6.000	3.000	3.000
0006	203.0100	Removing Small Pipe Culverts	EACH	11.000	8.000	3.000
0008	204.0100	Removing Pavement	SY	18,305.000	16,155.000	2,150.000
0010	204.0109.S	Removing Concrete Surface Partial Depth	SF	4,835.000	4,835.000	
0012	204.0110	Removing Asphaltic Surface	SY	324.000	324.000	
0014	204.0120	Removing Asphaltic Surface Milling	SY	1,860.000	1,860.000	
0016	204.0150	Removing Curb & Gutter	LF	1,487.000	942.000	545.000
0018	204.0155	Removing Concrete Sidewalk	SY	33.000	33.000	
0020	204.0170	Removing Fence	LF	200.000	200.000	
0022	204.0195	Removing Concrete Bases	EACH	13.000	12.000	1.000
0024	204.0220	Removing Inlets	EACH	5.000	2.000	3.000
0026	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	87.000	22.000	65.000
0028	204.0245	Removing Storm Sewer (size) 02. 24-Inch	LF	95.000	16.000	79.000
0030	204.0245	Removing Storm Sewer (size) 03. 30-Inch	LF	150.000		150.000
0032	204.0245	Removing Storm Sewer (size) 04. 42-Inch	LF	139.000	139.000	
0034	204.9060.S	Removing (item description) 01. Street Lights	EACH	13.000	12.000	1.000
0036	204.9180.S	Removing (item description) 01. Crushed Aggregate Slope Paving	SY	451.000	451.000	
0038	204.9180.S	Removing (item description) 02. Concrete Flumes	SY	20.000		20.000
0040	205.0100	Excavation Common	CY	29,999.000	23,549.000	6,450.000
0042	205.0400	Excavation Marsh	CY	382.000	382.000	
0044	208.1100	Select Borrow	CY	12,730.000	9,946.000	2,784.000
0046	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1197-19-70	LS	1.000	1.000	
0048	213.0100	Finishing Roadway (project) 01. 1197-19-70	EACH	1.000	1.000	
0050	213.0100	Finishing Roadway (project) 02. 8120-00-72	EACH	1.000		1.000
0052	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,535.000	1,335.000	200.000
0054	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	19,895.000	15,430.000	4,465.000
0056	320.0125	Concrete Base 6-Inch	SY	490.000	490.000	
0058	320.0130	Concrete Base 6 1/2-Inch	SY	235.000	235.000	
0060	390.0303	Base Patching Concrete	SY	710.000	710.000	
0062	405.0100	Coloring Concrete WisDOT Red	CY	631.000	486.000	145.000
0064	415.0080	Concrete Pavement 8-Inch	SY	15,930.000	11,950.000	3,980.000
0066	415.0085	Concrete Pavement 8 1/2-Inch	SY	1,898.000	1,898.000	
0068	415.0210	Concrete Pavement Gaps	EACH	3.000	3.000	
0070	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000	
0072	416.0270	Concrete Driveway HES 7-Inch	SY	270.000		270.000
0074	416.0512	Concrete Truck Apron 12-Inch	SY	1,810.000	1,377.000	433.000
0076	416.0610	Drilled Tie Bars	EACH	428.000	428.000	

					1197-19-70	8120-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0078	416.0620	Drilled Dowel Bars	EACH	784.000	771.000	13.000
0080	416.1010	Concrete Surface Drains	CY	4.000	4.000	
0082	450.4000	HMA Cold Weather Paving	TON	178.000	160.000	18.000
0084	455.0605	Tack Coat	GAL	1,539.000	1,457.000	82.000
0086	460.2000	Incentive Density HMA Pavement	DOL	840.000	800.000	40.000
0088	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	2,500.000	2,500.000	
0090	460.6245	HMA Pavement 5 MT 58-34 S	TON	1,518.000	1,458.000	60.000
0092	465.0105	Asphaltic Surface	TON	345.000	345.000	
0094	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	170.000	105.000	65.000
0096	465.0125	Asphaltic Surface Temporary	TON	2,933.000	2,248.000	685.000
0098	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	6.000	6.000	
0100	520.2018	Culvert Pipe Temporary 18-Inch	LF	190.000	190.000	
0102	520.3318	Culvert Pipe Class III-A 18-Inch	LF	136.000	136.000	
0104	520.8000	Concrete Collars for Pipe	EACH	7.000	5.000	2.000
0106	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2.000	2.000	
0108	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000		1.000
0110	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000	
0112	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000	
0114	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	2.000	2.000	
0116	601.0105	Concrete Curb Type A	LF	185.000	10.000	175.000
0118	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	705.000	445.000	260.000
0120	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	8,982.000	6,649.000	2,333.000
0122	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	332.000	232.000	100.000
0124	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	370.000	370.000	
0126	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	657.000	657.000	
0128	601.0582	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	LF	1,055.000	704.000	351.000
0130	602.0405	Concrete Sidewalk 4-Inch	SF	3,982.000	3,982.000	
0132	602.0410	Concrete Sidewalk 5-Inch	SF	24,825.000	12,180.000	12,645.000
0134	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	470.000	150.000	320.000
0136	604.0500	Slope Paving Crushed Aggregate	SY	451.000	451.000	
0138	604.9010.S	Slope Paving Repair Crushed Aggregate	CY	27.000	27.000	
0140	604.9015.S	Reseal Crushed Aggregate Slope Paving	SY	608.000	608.000	
0142	606.0200	Riprap Medium	CY	8.000	8.000	
0144	606.0300	Riprap Heavy	CY	158.000	158.000	
0146	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	637.000	637.000	

					1197-19-70	8120-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0148	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	281.000	281.000	
0150	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	513.000	513.000	
0152	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	183.000	183.000	
0154	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	138.000	138.000	
0156	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	503.000	255.000	248.000
0158	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	27.000		27.000
0160	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	558.000	154.000	404.000
0162	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	178.000	13.000	165.000
0164	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	411.000		411.000
0166	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	651.000	488.000	163.000
0168	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	34.000	34.000	
0170	611.0420	Reconstructing Manholes	EACH	4.000		4.000
0172	611.0530	Manhole Covers Type J	EACH	5.000	2.000	3.000
0174	611.0606	Inlet Covers Type B	EACH	1.000		1.000
0176	611.0624	Inlet Covers Type H	EACH	48.000	35.000	13.000
0178	611.0627	Inlet Covers Type HM	EACH	2.000	2.000	
0180	611.0636	Inlet Covers Type HM-S	EACH	1.000	1.000	
0182	611.0639	Inlet Covers Type H-S	EACH	13.000	6.000	7.000
0184	611.0642	Inlet Covers Type MS	EACH	6.000	4.000	2.000
0186	611.0645	Inlet Covers Type MS-A	EACH	1.000		1.000
0188	611.0652	Inlet Covers Type T	EACH	9.000	6.000	3.000
0190	611.1004	Catch Basins 4-FT Diameter	EACH	2.000	1.000	1.000
0192	611.1005	Catch Basins 5-FT Diameter	EACH	16.000	7.000	9.000
0194	611.1006	Catch Basins 6-FT Diameter	EACH	9.000	9.000	
0196	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000	
0198	611.2006	Manholes 6-FT Diameter	EACH	4.000	1.000	3.000
0200	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000	
0202	611.3003	Inlets 3-FT Diameter	EACH	1.000		1.000
0204	611.3004	Inlets 4-FT Diameter	EACH	21.000	14.000	7.000
0206	611.3230	Inlets 2x3-FT	EACH	25.000	21.000	4.000
0208	611.3901	Inlets Median 1 Grate	EACH	4.000	3.000	1.000

					1197-19-70	8120-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0210	611.3902	Inlets Median 2 Grate	EACH	3.000	1.000	2.000
0212	611.8110	Adjusting Manhole Covers	EACH	1.000		1.000
0214	611.8120.S	Cover Plates Temporary	EACH	21.000	14.000	7.000
0216	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	7.200		7.200
0218	616.0206	Fence Chain Link 6-FT	LF	200.000	200.000	
0220	616.0700.S	Fence Safety	LF	1,500.000	1,000.000	500.000
0222	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1197-19-70	EACH	1.000	1.000	
0224	618.0100	Maintenance And Repair of Haul Roads (project) 02. 8120-00-72	EACH	1.000		1.000
0226	619.1000	Mobilization	EACH	1.000	0.780	0.220
0228	620.0100	Concrete Corrugated Median	SF	2,425.000	2,425.000	
0230	620.0300	Concrete Median Sloped Nose	SF	625.000	430.000	195.000
0232	624.0100	Water	MGAL	494.000	384.000	110.000
0234	625.0500	Salvaged Topsoil	SY	44,567.000	36,993.000	7,574.000
0236	627.0200	Mulching	SY	44,700.000	37,080.000	7,620.000
0238	628.1504	Silt Fence	LF	7,565.000	6,245.000	1,320.000
0240	628.1520	Silt Fence Maintenance	LF	7,565.000	6,245.000	1,320.000
0242	628.1905	Mobilizations Erosion Control	EACH	24.000	12.000	12.000
0244	628.1910	Mobilizations Emergency Erosion Control	EACH	12.000	6.000	6.000
0246	628.2004	Erosion Mat Class I Type B	SY	19,788.000	15,600.000	4,188.000
0248	628.2008	Erosion Mat Urban Class I Type B	SY	10,313.000	7,175.000	3,138.000
0250	628.7005	Inlet Protection Type A	EACH	10.000	7.000	3.000
0252	628.7010	Inlet Protection Type B	EACH	1.000		1.000
0254	628.7015	Inlet Protection Type C	EACH	47.000	36.000	11.000
0256	628.7020	Inlet Protection Type D	EACH	27.000	20.000	7.000
0258	628.7504	Temporary Ditch Checks	LF	600.000	350.000	250.000
0260	628.7555	Culvert Pipe Checks	EACH	61.000	47.000	14.000
0262	628.7560	Tracking Pads	EACH	3.000	2.000	1.000
0264	628.7570	Rock Bags	EACH	127.000	107.000	20.000
0266	629.0210	Fertilizer Type B	CWT	28.100	23.300	4.800
0268	630.0130	Seeding Mixture No. 30	LB	700.000	552.000	148.000
0270	630.0200	Seeding Temporary	LB	1,203.000	999.000	204.000
0272	630.0500	Seed Water	MGAL	699.000	551.000	148.000
0274	633.5200	Markers Culvert End	EACH	23.000	18.000	5.000
0276	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	5.000	4.000	1.000
0278	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	97.000	67.000	30.000
0280	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	34.000	28.000	6.000
0282	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	12.000	6.000	6.000
0284	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	6.000	6.000	

					1197-19-70	8120-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0286	637.0620	Sign Flags Permanent Type II	EACH	40.000	36.000	4.000
0288	637.2210	Signs Type II Reflective H	SF	1,109.390	814.590	294.800
0290	637.2215	Signs Type II Reflective H Folding	SF	51.080	51.080	
0292	637.2230	Signs Type II Reflective F	SF	264.000	163.000	101.000
0294	638.2102	Moving Signs Type II	EACH	7.000	6.000	1.000
0296	638.2602	Removing Signs Type II	EACH	111.000	86.000	25.000
0298	638.3000	Removing Small Sign Supports	EACH	87.000	70.000	17.000
0300	638.4000	Moving Small Sign Supports	EACH	6.000	5.000	1.000
0302	642.5401	Field Office Type D	EACH	1.000	0.780	0.220
0304	643.0300	Traffic Control Drums	DAY	50,000.000	38,350.000	11,650.000
0306	643.0420	Traffic Control Barricades Type III	DAY	4,700.000	3,930.000	770.000
0308	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	230.000	155.000	75.000
0310	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	230.000	155.000	75.000
0312	643.0705	Traffic Control Warning Lights Type A	DAY	8,130.000	6,710.000	1,420.000
0314	643.0715	Traffic Control Warning Lights Type C	DAY	3,800.000	3,305.000	495.000
0316	643.0900	Traffic Control Signs	DAY	20,410.000	17,020.000	3,390.000
0318	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000	
0320	643.1050	Traffic Control Signs PCMS	DAY	178.000	168.000	10.000
0322	643.5000	Traffic Control	EACH	1.000	0.780	0.220
0324	645.0120	Geotextile Type HR	SY	335.000	335.000	
0326	645.0125	Geotextile Type MS	SY	1,875.000	1,875.000	
0328	645.0130	Geotextile Type R	SY	66.000	66.000	
0330	646.1020	Marking Line Epoxy 4-Inch	LF	14,650.000	13,215.000	1,435.000
0332	646.3020	Marking Line Epoxy 8-Inch	LF	1,565.000	1,280.000	285.000
0334	646.5020	Marking Arrow Epoxy	EACH	12.000	12.000	
0336	646.5120	Marking Word Epoxy	EACH	4.000	4.000	
0338	646.6120	Marking Stop Line Epoxy 18-Inch	LF	157.000	157.000	
0340	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	276.000	190.000	86.000
0342	646.7120	Marking Diagonal Epoxy 12-Inch	LF	824.000	759.000	65.000
0344	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	849.000	549.000	300.000
0346	646.8220	Marking Island Nose Epoxy	EACH	10.000	8.000	2.000
0348	646.9000	Marking Removal Line 4-Inch	LF	4,954.000	4,174.000	780.000
0350	646.9100	Marking Removal Line 8-Inch	LF	245.000	145.000	100.000
0352	646.9200	Marking Removal Line Wide	LF	376.000	358.000	18.000
0354	646.9300	Marking Removal Special Marking	EACH	4.000	3.000	1.000
0356	649.0105	Temporary Marking Line Paint 4-Inch	LF	21,155.000	18,068.000	3,087.000
0358	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	15,010.000	11,845.000	3,165.000
0360	649.0205	Temporary Marking Line Paint 8-Inch	LF	200.000	200.000	
0362	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	200.000	200.000	
0364	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	85.000	63.000	22.000

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0366	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	156.000	108.000	48.000
0368	650.4000	Construction Staking Storm Sewer	EACH	96.000	65.000	31.000
0370	650.4500	Construction Staking Subgrade	LF	7,645.000	6,315.000	1,330.000
0372	650.5000	Construction Staking Base	LF	550.000	500.000	50.000
0374	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,080.000	980.000	100.000
0376	650.6000	Construction Staking Pipe Culverts	EACH	7.000	7.000	
0378	650.7000	Construction Staking Concrete Pavement	LF	7,100.000	5,815.000	1,285.000
0380	650.8000	Construction Staking Resurfacing Reference	LF	1,845.000	1,845.000	
0382	650.8500	Construction Staking Electrical Installations (project) 01. 1197-19-70	LS	1.000	1.000	
0384	650.8500	Construction Staking Electrical Installations (project) 02. 8120-00-72	LS	1.000		1.000
0386	650.9000	Construction Staking Curb Ramps	EACH	22.000	10.000	12.000
0388	650.9910	Construction Staking Supplemental Control (project) 01. 1197-19-70	LS	1.000	1.000	
0390	650.9910	Construction Staking Supplemental Control (project) 02. 8120-00-72	LS	1.000		1.000
0392	650.9920	Construction Staking Slope Stakes	LF	7,600.000	6,315.000	1,285.000
0394	651.1000.S	Signal Controller Training	LS	1.000	1.000	
0396	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,464.000	3,899.000	565.000
0398	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,288.000	1,087.000	201.000
0400	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	396.000	396.000	
0402	652.0615	Conduit Special 3-Inch	LF	844.000	844.000	
0404	653.0140	Pull Boxes Steel 24x42-Inch	EACH	44.000	37.000	7.000
0406	654.0101	Concrete Bases Type 1	EACH	6.000	6.000	
0408	654.0105	Concrete Bases Type 5	EACH	46.000	35.000	11.000
0410	654.0110	Concrete Bases Type 10	EACH	3.000	3.000	
0412	654.0113	Concrete Bases Type 13	EACH	1.000	1.000	
0414	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000	
0416	654.0224	Concrete Control Cabinet Bases Type L24	EACH	2.000	1.000	1.000
0418	655.0240	Cable Traffic Signal 7-14 AWG	LF	781.000	781.000	
0420	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,729.000	1,729.000	
0422	655.0305	Cable Type UF 2-12 AWG Grounded	LF	274.000	274.000	
0424	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,254.000	1,254.000	
0426	655.0610	Electrical Wire Lighting 12 AWG	LF	480.000	480.000	
0428	655.0615	Electrical Wire Lighting 10 AWG	LF	31,407.000	25,723.000	5,684.000
0430	655.0900	Traffic Signal EVP Detector Cable	LF	940.000	940.000	
0432	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. WIS 48 & Bear Paw Ave	LS	1.000	1.000	
0434	657.0100	Pedestal Bases	EACH	6.000	6.000	
0436	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	46.000	35.000	11.000

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0438	657.0321	Poles Type 5-Steel	EACH	42.000	31.000	11.000
0440	657.0350	Poles Type 10	EACH	3.000	3.000	
0442	657.0360	Poles Type 13	EACH	1.000	1.000	
0444	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	6.000	6.000	
0446	657.0520	Monotube Arms 20-FT	EACH	1.000	1.000	
0448	657.0525	Monotube Arms 25-FT	EACH	2.000	2.000	
0450	657.0540	Monotube Arms 40-FT	EACH	1.000	1.000	
0452	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	4.000	4.000	
0454	657.0730	Luminaire Arms Truss Type 6-Inch Clamp 12-FT	EACH	55.000	41.000	14.000
0456	658.0173	Traffic Signal Face 3S 12-Inch	EACH	16.000	16.000	
0458	658.0416	Pedestrian Signal Face 16-Inch	EACH	4.000	4.000	
0460	658.0500	Pedestrian Push Buttons	EACH	4.000	4.000	
0462	658.5069	Signal Mounting Hardware (location) 01. WIS 48 & Bear Paw Ave	LS	1.000	1.000	
0464	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	2.000	1.000	1.000
0466	661.0200	Temporary Traffic Signals for Intersections (location) 01. WIS 48 & West Ave	LS	1.000		1.000
0468	661.0200	Temporary Traffic Signals for Intersections (location) 02. WIS 48 & SB Ramp	LS	1.000	1.000	
0470	661.0200	Temporary Traffic Signals for Intersections (location) 03. WIS 48 & Bear Paw Ave	LS	1.000	1.000	
0472	662.1024.S	Ramp Closure Gates 24-FT	EACH	1.000	1.000	
0474	662.1028.S	Ramp Closure Gates 28-FT	EACH	1.000	1.000	
0476	662.1040.S	Ramp Closure Gates 40-FT	EACH	2.000	2.000	
0478	674.0300	Remove Cable	LF	2,225.000	2,225.000	
0480	690.0150	Sawing Asphalt	LF	3,019.000	2,535.000	484.000
0482	690.0250	Sawing Concrete	LF	4,880.000	4,384.500	495.500
0484	715.0415	Incentive Strength Concrete Pavement	DOL	5,470.000	3,870.000	1,600.000
0486	715.0710	Optimized Aggregate Gradation Incentive	DOL	21,800.000	15,400.000	6,400.000
0488	740.0440	Incentive IRI Ride	DOL	3,990.000	3,170.000	820.000
0490	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,600.000	1,600.000	
0492	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,380.000	1,380.000	
0494	SPV.0035	Special 01. Stockpile Marsh Excavation	CY	400.000	400.000	
0496	SPV.0060	Special 01. Luminaire	EACH	59.000	45.000	14.000
0498	SPV.0060	Special 02. Salvage Ramp Gate Assemblies	EACH	2.000	2.000	
0500	SPV.0060	Special 03. Utility Line Opening (ULO)	EACH	15.000	10.000	5.000
0502	SPV.0060	Special 04. Temporary Pipe Connect	EACH	4.000	2.000	2.000
0504	SPV.0060	Special 05. Install Cellular Modem	EACH	1.000	1.000	
0506	SPV.0060	Special 06. Adjusting Water Valve Box	EACH	6.000		6.000
0508	SPV.0060	Special 07. Manholes Special 6X6-FT	EACH	1.000	1.000	
0510	SPV.0085	Special 01. Seeding Mixture Wetland	LB	2.000	2.000	

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0512	SPV.0090	Special 01. Concrete Curb & Gutter 30-Inch Type A Special	LF	630.000	630.000	
0514	SPV.0090	Special 02. Concrete Curb And Gutter Cure And Seal Treatment	LF	12,916.000	9,697.000	3,219.000
0516	SPV.0105	Special 04. Vehicular Video Detection System WIS 48 & Bear Paw Ave	LS	1.000	1.000	
0518	SPV.0105	Special 05. Traffic Signal Controller and Cabinet WIS 48 & Bear Paw Ave	LS	1.000	1.000	
0520	SPV.0105	Special 06. Construction Staking Roundabout (SB Ramp)	LS	1.000	1.000	
0522	SPV.0105	Special 07. Construction Staking Roundabout (NB Ramp)	LS	1.000	1.000	
0524	SPV.0105	Special 08. Construction Staking Roundabout (West Ave)	LS	1.000		1.000
0526	SPV.0105	Special 09. Construction Staking Concrete Pavement Joint Layout 1197-19-70	LS	1.000	1.000	
0528	SPV.0105	Special 10. Project Concrete Crack Mitigation and Repair 1197-19-70	LS	1.000	1.000	
0530	SPV.0105	Special 11. Emergency Vehicle Preemption System WIS 48 & Bear Paw Ave	LS	1.000	1.000	
0532	SPV.0105	Special 12. Construction Staking Concrete Pavement Joint Layout 8120-00-72	LS	1.000		1.000
0534	SPV.0105	Special 13. Project Concrete Crack Mitigation and Repair 8120-00-72	LS	1.000		1.000
0536	SPV.0165	Special 01. Concrete Sidewalk Cure And Seal Treatment	SF	28,807.000	16,162.000	12,645.000
0538	SPV.0180	Special 02. Concrete Driveway Cure And Seal Treatment	SY	270.000		270.000

REMOVING PAVEMENT

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	204.0100 REMOVING PAVEMENT SY
1197-19-70	STAGE 2	109+00 EB	-	115+00 EB	LT/RT	1,090
		119+00 EB	-	133+00 EB	LT/RT	5,135
		405+50 B	-	410+82 B	LT/RT	1,230
		508+00 C	-	509+60 C	RT	325
	STAGE 3	209+00 WB	-	W15+00 WB	LT/RT	705
		219+00 WB	-	238+55 WB	LT/RT	6,330
		301+00 A	-	304+00 A	LT/RT	630
		600+00 D	-	603+25 D	LT/RT	670
8120-00-72	STAGE 2	115+00 EB	-	119+00 EB	LT/RT	1,710
	STAGE 3	215+00 WB	-	219+00 WB	LT	440
1197-19-70					ID TOTAL	16,115
8120-00-72					ID TOTAL	2,150
					TOTAL	18,265

CLEARING AND GRUBBING

PROJECT NUMBER	STATION		STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
1197-19-70	109+00EB	-	110+00EB	RT	1	1
	123+00EB	-	124+00EB	RT	1	1
	601+00D	-	602+00D	RT	1	1
8120-00-72	215+00WB	-	217+00WB	LT	2	2
	707+00WN	-	708+00WN	RT	1	1
1197-19-70			ID TOTAL		3	3
8120-00-72			ID TOTAL		3	3
			TOTAL		6	6

REMOVING SIDEWALK

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
1197-19-70	STAGE 2	600+30 D		600+90 D	LT/RT	23
	STAGE 3	136+30 EB		136+45 EB	RT	10
1197-19-70		ID TOTAL				33
8120-00-72		ID TOTAL				0
		TOTAL				33

FINISHING ROADWAY

PROJECT NUMBER	LOCATION	213.0100 FINISHING ROADWAY EACH
1197-19-70	PROJECT	1
8120-00-72	PROJECT	1

REMOVING FENCE

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	204.0170 REMOVING FENCE LF
1197-19-70	STAGE 1	14+00 TB		15+73 TB	LT/RT	200
1197-19-70		ID TOTAL				200
8120-00-72		ID TOTAL				0
		TOTAL				200

REMOVING STORM SEWER

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 18-INCH LF	204.0245.02 REMOVING STORM SEWER 24-INCH LF	204.0245.03 REMOVING STORM SEWER 30-INCH LF	204.0245.04 REMOVING STORM SEWER 42-INCH LF	REMARKS
1197-19-70	2	111+00 EB			RT	1						18" CMCP - 45'
	2	112+40 EB			RT	1						18" CMCP - 43'
	2	509+30 C			CL	1						24" RCCP - 88'
	2	124+30 EB			CL		1				74	
	2 & 3	131+85 EB			CL	1						36" RCCP - 175'
	2	135+75 EB			RT				16			
	3	212+25 WB			LT	1						18" CMCP - 47'
	3	224+40 WB			LT						65	
	3	301+30 A			CL	1						24" RCCP - 88'
	3	233+58 WB			LT		1	11				
	3	233+60 WB			LT			11				
	4	15+30 TB				1						18" TEMP - 75'
	4	15+38 TB				1						18" TEMP - 75'
8120-00-72	1	14+25 WA			LT		1	20				
	2	702+25 WN			LT	1						12" CMCP - 49'
	2	703+25 WN			CL	1						18" CMCP - 28'
	2	703+60 WN			CL	1						20"X12" CMCP 90'
	3	805+60	-	806+34 WA	LT		1	45				
	3	806+34 WS			RT		1		43			
	3	706+35 WN			RT				36			
	3	806+34	-	807+32 WS	LT					150		
1197-19-70					ID TOTAL	8	2	22	16	0	139	
8120-00-72					ID TOTAL	3	3	65	79	150	0	
					TOTAL	11	5	87	95	150	139	

REMOVING CONCRETE FLUMES

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	204.9180.S.02 REMOVING CONCRETE FLUMES SY
8120-00-72	STAGE 2	803+00 WS		803+30 WS	LT	20
1197-19-70		ID TOTAL				0
8120-00-72		ID TOTAL				20
		TOTAL				20

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

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REMOVING CONCRETE BASES AND STREET LIGHTS

PROJECT NUMBER	STAGE	STATION	LOCATION	204.0195 REMOVING CONCRETE BASES EACH	204.9060.S.01 REMOVING STREET LIGHTS EACH
1197-19-70	STAGE 2	111+65 EB	RT	1	1
		114+52 EB	RT	1	1
		120+05 EB	LT	1	1
		122+25 EB	LY	1	1
		124+25 EB	LT	1	1
		126+10 EB	LT	1	1
		127+95 EB	LT	1	1
		130+00 EB	LT	1	1
		132+87 EB	LT	1	1
		701+67 WN	RT	1	1
		135+75 EB	RT	1	1
		108+62 EB	RT	1	1
8120-00-72		117+90 EB	LT	1	1
1197-19-70		ID TOTAL		12	12
8120-00-72		ID TOTAL		1	1
		TOTAL		13	13

REMOVING CURB & GUTTER

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
1197-19-70	STAGE 1	26+90 EXEB		27+10 EXB	LT	40
		23+00 EXEB		23+25 EXEB	LT	25
		600+30 D			LT/RT	120
		301+00 A			RT	65
	STAGE 2	132+22 EB	-	135+56 EB	LT	333
		135+50 EB		135+95 EB	RT	60
		136+30 EB	-	136+45 EB	RT	50
		136+40 EB	-	137+17 EB	RT	100
		136+83EB	-	137+15EB	LT	64
	STAGE 3	235+61WB	-	235+98WB	LT	85
		236+47 WB	-	236+81 WB	LT	60
8120-00-72	STAGE 1	14+00	-	17+00	LT	215
	STAGE 2	116+52 EB	-	117+20 EB	RT	85
		117+60 EB	-	118+00 EB	RT & LT	50
	STAGE 3	708+00 WB	-	217+80 WB	RT & LT	195
1197-19-70				ID TOTAL		942
8120-00-72				ID TOTAL		545
				TOTAL		1,487

REMOVING SURFACE

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
1197-19-70	STAGE 1	205+00 WB		211+75 WB	LT		150	
		212+40 WB		212+50 WB	LT		6	
		222+20		222+40	LT		10	
	STAGE 2	105+15 EB		109+00 EB	RT		86	
		133+00 EB	-	141+60 EB	RT	2,310		185
		135+80 EB	-	136+30 EB	RT			260
	STAGE 3	240+06WB	-	141+60 EB	LT	785		120
		14+50 TD		15+80 TD	LT/RT		72	
	STAGE 4	141+60 EB	-	144+80 EB	LT/RT	1,740		540
1197-19-70					ID TOTAL	4,835	324	1,105
8120-00-72					ID TOTAL	0	0	0
					TOTAL	4,835	324	1,105

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

EARTHWORK SUMMARY

PROJECT NUMBER	STATION - STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT FROM EW DATA (CY)	(2) EBS (CY)	(3A) REDUCED EBS IN FILLS (CY)	(4) EXPANDED FILL FROM EW DATA (CY)	205.0400 EXCAVATION MARSH (CY)	(5) EXPANDED FILL (CY)	(6) MASS ORDINATE (CY)	(7) BORROW (CY)	WASTE (CY)	REMARKS
1197-19-70	STAGE 1											
	10+47EX - 34+37EX	WIS 48	1,396			254		254	1,142			
	10+65TB - 15+73TB	TEMP RAMP B	275				382		275			
	11+30TD - 15+81TD	TEMP RAMP D	505			127		127	378			
	STAGE 1 SUBTOTAL		2,176			381	382	381	1,795		1,795	
	STAGE 2											
	105+18EB - 135+18EB	WIS 48	7,121			1,433		1,433	5,688			
	405+50B - 409+16B	RAMP B	476			913		913	-437			
	508+00C - 508+50C	RAMP C	125						125			
	40+00EBC - 43+49EBC	TURN LANE EBC	896			47		47	849			
		RAMP B	125						125			CONCRETE PAVT REMOVAL
	STAGE 2 SUBTOTAL		8,743			2,393		2,393	6,350		6,350	
	STAGE 3											
	205+06WB - 238+55WB	WIS 48	6,914			1,806		1,806	5,108			
	302+00A - 304+00A	RAMP A	324			93		93	231			
	601+07D - 603+25D	RAMP D	540			260		260	280			
	50+00AWB - 53+05AWB	TURN LANE AWB	131			1,135		1,135	-1,004			
	601+07D - 604+86D	RAMP D	747			2		2	745			
		BEAR PAW AVE	200						200			
		RAMP D	95						95			CONCRETE PAVT REMOVAL
	STAGE 3 SUBTOTAL		8,951			3,296		3,296	5,655		5,655	
	STAGE 4											
	105+17EB - 133+25EB	WIS 48	1,029			894		894	135			
	10+65TB - 15+73TB	TEMP RAMP B	1,478			106		106	1,372			
	509+00C - 509+36C	RAMP C	32						32			
	50+00AWB - 53+05AWB	TURN LANE AWB	40			197		197	-157			
	STAGE 4 SUBTOTAL		2,579			1,197		1,197	1,382		1,382	
		UNDISTRIBUTED		1,100								
8120-00-72	STAGE 1											
	20+39EX - 24+15EX	WIS 48	193			27		27	166			
	13+91 - 16+42	WEST AVE	822						822			
	STAGE 1 SUBTOTAL		1,015			27		27	988		988	
	STAGE 2											
	115+00EB - 119+00EB	WIS 48	1,927			273		273	1,654			
	701+25WN - 703+50WN	WEST AVE	365			146		146	219			
	801+25WS - 803+50WS	WEST AVE	368			46		46	322			
	STAGE 2 SUBTOTAL		2,660			465		465	2,195		2,195	
	STAGE 3											
	215+00WB - 219+00WB	WIS 48	1,363			404		404	959			
	706+00WN - 708+00WN	WEST AVE	481			9		9	472			
	806+00WS - 807+92WS	WEST AVE	423			253		253	170			
	STAGE 3 SUBTOTAL		2,267			666		666	1,601		1,601	
	STAGE 4											
	115+00EB - 119+00EB	WIS 48	189			240		240	-51			
	706+00WN - 708+00WN	WEST AVE	9			71		71	-62			
	STAGE 4 SUBTOTAL		198			311		311	-113	113		
		UNDISTRIBUTED		310								
	TOTAL		28,589	1,410		8,736	382	8,736	19,853		19,853	
1197-19-70	ID TOTAL		23,549				382					
8120-00-72	ID TOTAL		6,450									

NOTES

(1) COMMON FROM COMPUTER EARTHWORK DATA, INCLUDES PAVEMENT REMOVAL(CONTAINS SALVAGED/UNUSABLE PAVEMENT MATERIAL)

(2) UNDISTRIBUTED EBS
EBS IS ESTIMATED AS AN UNDISTRIBUTED QUANTITY

(3A) EBS MATERIAL CAN BE USED IN FILLS. THE BALANCE IS CONSIDERED WASTE

(4) EXPANDED FILL FROM COMPUTER EARTHWORK DATA

(5) EXPANDED FILL. FACTOR = 1.3
EXPANDED FILL = EW DATA FILL - REDUCED EBS IN FILL

(6) MASS ORDINATE IS + OR - QUANTITY FOR STAGE. PLUS IS EXCESS, MINUS IS SHORTAGE

(7) BORROW TO BE OBTAINED FROM PRIOR EXCAVATION OPERATIONS

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

BASE AGGREGATE

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	208.1100 SELECT BOROW CY	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL
1197-19-70	STAGE 1	10+47EX	-	20+40EX	LT	460	45	1,075	22
		24+13EX	-	34+41EX	LT	260	90	600	14
		10+65TB	-	15+73TB	LT/RT	1,240	155	810	19
		11+30TD	-	15+81TD	LT/RT	316	80	675	15
	STAGE 2	105+17EB	-	115+00EB	LT/RT	931	175	1,565	35
		119+00EB	-	133+00EB	LT/RT	2,908	255	4,265	90
		405+50B	-	409+25B	LT/RT	369	105	605	14
		508+00C	-	508+44C	LT/RT	40	15	70	2
	STAGE 3	205+00WB	-	215+00WB	LT/RT	680	180	1,080	25
		219+00WB	-	238+55WB	LT/RT	2,253	20	2,750	55
		302+00A	-	304+00A	LT/RT	204	60	335	8
		601+07D	-	603+25D	LT/RT	210	45	310	7
		BEAR PAW AVE NORTH			LT/RT			110	2
	STAGE 4	105+17EB	-	133+00EB	LT/RT	75	110	85	4
					SIDEWALK			885	18
					DRIVEWAYS			210	4
					DUST CONTROL				50
8120-00-72	STAGE 1	20+40EX	-	24+13EX	LT	127	45	295	7
		14+13WA	-	16+42WA	LT	145	45	320	7
	STAGE 2	115+00EB	-	119+00EB	LT/RT	992	60	1,470	31
		701+25WN	-	703+90WN	LT/RT	475		525	11
					DRIVEWAYS			125	3
	STAGE 3	215+00WB	-	219+00WB	LT/RT	644		710	14
		706+00WN	-	708+00WN	LT/RT	198	50	350	8
		806+00WS	-	807+93WS	LT/RT	203		225	5
	STAGE 4				SIDEWALK			445	9
					DUST CONTROL				15
1197-19-70					ID TOTAL	9,946	1,335	15,430	384
8120-00-72					ID TOTAL	2,784	200	4,465	110
					TOTAL	12,730	1,535	19,895	494

CONCRETE PAVEMENT

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	416.0512 CONCRETE TRUCK APRON 12-INCH SY
1197-19-70	STAGE 2	109+00 EB	-	115+00 EB	LT/RT		1,400		
		119+00 EB	-	133+00 EB	RT		3,120		
		122+30 EB	-	123+65 EB	LT			471	
		122+35 EB		123+65 EB	LT	106			317
		128+70 EB	-	129+95 EB	LT	95		480	284
		405+50 B	-	409+60 B	LT		635		
		508+00 C	-	511+00 C	LT		75		
	STAGE 3	122+35 EB	-	123+65 EB	LT	103		478	308
		128+70 EB	-	129+95 EB	LT	104		469	310
		209+00 WB	-	215+00 WB	LT		800		
		219+00 WB	-	238+55 WB	LT		4,470		
		600+30 D	-	600+87 D	LT				16
		600+50 D	-	603+25 D	RT		425		
		301+00 A	-	304+00 A	LT		520		
		301+25 A	-	302+30 A	LT	37			110
		BEAR PAW AVE NORTH					505		
	STAGE 4	409+40 B	-	410+30 B	RT	11			32
		508+40 C	-	509+50 C	RT	30			90
8120-00-72	STAGE 2	115+00 EB	-	119+00 EB	LT/RT		2,225		
		116+80 EB	-	118+10 EB	LT	51			152
	STAGE 3	115+00 EB	-	119+00 EB	LT/RT		1,755		
		116+80 EB	-	118+10 EB	LT	94			281
1197-19-70					ID TOTAL	486	11,950	1,898	1,377
8120-00-72					ID TOTAL	145	3,980	0	433
					TOTAL	631	15,930	1,898	1,810

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ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

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BASE PATCHING CONCRETE

PROJECT NUMBER	STATION	-	STATION	LOCATION	390.0303 BASE PATCHING CONCRETE SY	690.0250* SAWING CONCRETE LF	416.0610* DRILLED TIE BARS EACH	416.0620* DRILLED DOWEL BARS EACH
1197-19-70	133+40 EB	-	133+54 EB	RT	19	60		20
	135+35 EB	-	135+60 EB	RT	44	97	7	38
	137+84 EB	-	138+38 EB	RT	74	150	22	20
	139+50 EB	-	139+80 EB	RT	40	90	12	20
	139+84 EB	-	140+25 EB	RT	110	125	12	62
	143+45 EB	-	143+51 EB	LT/RT	16	66		38
	143+75 EB	-	143+81 EB	LT/RT	16	66		38
	144+00 EB	-	144+06 EB	LT/RT	16	66		38
	239+80 WB	-	240+06 WB	LT/RT	84	253	20	74
	141+26 EB	-	141+32 EB	LT	16	66		36
	141+85 EB	-	141+96 EB	LT	16	66		36
	142+30 EB	-	142+36 EB	LT	16	66		36
	142+75 EB	-	142+85 EB	LT	13	48		18
	143+02 EB	-	143+17 EB	LT	40	117		36
	143+47 EB	-	144+07 EB	LT	80	216	24	62
	240+67 WB	-	241+97 WB	LT	78	210	12	60
	UNDISTRIBUTED				32	132		72
1197-19-70				ID TOTAL	710	1,894	109	704
8120-00-72				ID TOTAL	0	0	0	0
				TOTAL	710	1,894	109	704

CONCRETE BASE

PROJECT NUMBER	STATION	-	STATION	LOCATION	320.0125 CONCRETE BASE 6-INCH SY	320.0130 CONCRETE BASE 6 1/2-INCH SY
1197-19-70	132+20 EB	-	133+60 EB	LT	490	
	133+00 EB	-	135+60 EB	RT		135
	238+55 WB	-	240+40 WB	LT		100
1197-19-70				ID TOTAL	490	235
8120-00-72				ID TOTAL	0	0
				TOTAL	490	235

CONCRETE SURFACE DRAINS

PROJECT NUMBER	STATION	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY
1197-19-70	302+33A	RT	2
	508+32C	LT	2
1197-19-70	ID TOTAL		4
8120-00-72	ID TOTAL		0
	TOTAL		4

PAVEMENT GAPS

PROJECT NUMBER	STATION	LOCATION	415.0210 CONCRETE PAVEMENT GAPS EACH
1197-19-70	PE'S	WIS 48	3
8120-00-72	-	-	0
1197-19-70		ID TOTAL	3
8120-00-72		ID TOTAL	0
		TOTAL	3

MISCELLANEOUS CONCRETE

PROJECT NUMBER	STATION	-	STATION	LOCATION	416.0270 CONCRETE DRIVEWAY HES 7-INCH SY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	SPV.0165.01 CONCRETE SIDEWALK CURE AND SEAL TREATMENT SF	SPV.0180.02 CONCRETE DRIVEWAY CURE AND SEAL TREATMENT SF
1197-19-70	121+00 EB	-	122+30 EB	RT			2,230	2,230	
	125+25 EB	-	127+00 EB	MEDIAN		3,982		3,982	
	130+20 EB	-	135+50 EB	LT			7,315	7315	
	136+30 EB	-	136+40 EB	RT			140	140	
	230+00 WB	-	231+30 WB	LT			1,920	1920	
	232+50 WB	-	232+60 WB	LT			50	50	
	235+75 WB	-	235+90 WB	LT			60	60	
	236+55 WB	-	237+05 WB	LT			245	245	
	301+40 A	-	301+50 A	LT			55	55	
	301+45 A	-	301+55 A	RT			55	55	
	600+80 D	-	600+90 D	RT			55	55	
	600+97 D	-	601+07 D	LT			55	55	
	302+33A			RT					
	508+32C			LT					
8120-00-72	115+00 EB	-	803+55 WS	RT			1,725	1,725	
	116+25 EB	-	116+35 EB	LT			690	690	
	118+30 EB	-	118+58 EB	LT			600	600	
	215+25 WB	-	807+00 WS	LT			1,885	1,885	
	801+60 WS	-	802+10 WS	LT	45				45
	803+80 WS	-	803+90 WS	LT			200	200	
	803+60 WS	-	804+10 WS	RT			600	600	
	805+88 WS	-	806+37 WS	RT			530	530	
	806+00 WS	-	806+00 WS	RT			200	200	
	700+50 WN	-	701+10 WN	RT	110				110
	702+10 WN	-	702+60 WN	RT	75				75
	703+56 WN	-	118+08 EB	RT			1,320	1,320	
	701+08 WN	-	702+09 WN	RT			1,000	1,000	
	702+58 WN	-	703+33 WN	RT			800	800	
	705+88 WN	-	706+38 WN	LT			585	585	
	703+60 WN	-	704+05 WN	LT			690	690	
	703+30WN	-	703+50WN	RT	40				40
	707+00 WN	-	219+00 WB	RT			1,820	1,820	
1197-19-70				ID TOTAL	0	3,982	12,180	16,162	0
8120-00-72				ID TOTAL	270	0	12,645	12,645	270
				TOTAL	270	3,982	24,825	28,807	270

DRILLED BARS

PROJECT NUMBER	STATION	-	STATION	LOCATION	416.0610* DRILLED TIE BARS EACH	416.0620* DRILLED DOWEL BARS EACH
1197-19-70	133+50	-	135+65	LT	72	
	132+80	-	135+50	RT	90	
	133+50	-	135+60	LT	70	
	136+75	-	137+05	LT	25	
	238+55 WB	-	240+40 WB	LT	62	
	304+00 A					12
	405+50 B					12
	508+00 C					12
	603+25 D					12
	238+55 WB					19
8120-00-72	701+25 WN					13
1197-19-70				ID TOTAL	319	67
8120-00-72				ID TOTAL	0	13
				TOTAL	319	80

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

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HMA PAVEMENT

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	455.0605 TACK COAT GAL	460.6245 HMA PAVEMENT 5 MT 58-34 S TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	450.4000 HMA COLD WEATHER PAVING TON
1197-19-70	STAGE 1	10+50 EXEB	-	20+39 EXEB	LT	68		335	
		23+10 EXEB	-	27+00 EXEB	LT	25		192	
		600+20 D	-	605+00 D	LT	54		244	
		10+65TB	-	15+73TB	RT	53		220	
	STAGE 2	105+10 EB	-	115+00 EB	RT	103		335	
		118+80 EB	-	122+00 EB	RT	29		107	
		121+00 EB	-	122+50 EB	RT	23		94	
		121+63 EB	-	122+85 EB	LT	14		58	
		122+55 EB	-	129+30 EB	RT	118		485	
		129+50 EB	-	132+90 EB	RT	43		178	
		132+22 EB	-	141+61 EB	LT/RT	260	320		
	STAGE 3	205+00 WB	-	215+00 WB	LT	36	105		
		235+57 WB	-	141+61 EB	LT	140	175		
	STAGE 4	105+17 EB	-	112+82 EB	RT	27	80		
		133+00 EB	-	144+80 EB	LT/RT	364	620		
		238+55 WB	-	141+61 EB	LT	80	100		
		302+30 A	-	304+00 A	LT/RT	4	12		
		405+50 B	-	408+50 B	LT/RT	6	18		
		508+00 C	-	508+36 C	LT/RT	2	6		
		602+00 D	-	603+25 D	LT/RT	8	22		
		UNDISTRIBUTED							160
8120-00-72	STAGE 1	17+85 EXEB	-	22+40 EXEB	LT	58		190	
	STAGE 2	115+00 EB	-	116+35 EB	RT	14		425	
	STAGE 3	705+25 WN	-	708+00 WN	RT	5		70	
	STAGE 4	707+50 WN	-	708+00 WN	LT/RT	5	55		
	AT INLET			703+50 WN	LT		5		
		UNDISTRIBUTED							18
1197-19-70					ID TOTAL	1,457	1,458	2,248	160
8120-00-72					ID TOTAL	82	60	685	18
					TOTAL	1,539	1,518	2,933	178

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

PROJECT NUMBER	STATION	LOCATION	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF
1197-19-70	UNDIST		2,500
		TOTAL	2,500

ASPHALTIC SURFACE

PROJECT	STATION	-	STATION	LOCATION	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
1197-19-70	219+00 WB	-	222+94 WB	LT	80	
	223+15 WB	-	229+50 WB	LT	145	
	230+10 WB	-	235+90 WB	LT	120	
	107+04EB			LT		20
	107+80EB			RT		20
	100+99EB			RT		20
	112+26EB			LT		25
	112+37EB			RT		20
8120-00-72	700+70 WN			RT		20
	701+80 WN			LT		10
	703+30WN			RT		10
	702+25 WN			RT		25
1197-19-70				ID TOTAL	345	105
8120-00-72				ID TOTAL	0	65
				TOTAL	345	170

CULVERT PIPE

PROJECT NUMBER	STATION	LOCATION	UPSTREAM INVERT	DOWNSTREAM INVERT	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	PIPE THICKNESS (INCHES) STEEL	PIPE THICKNESS (INCHES) ALUM	633.5200* MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
1197-19-70	110+99EB	RT	1285.0	1284.8	2	40		0.064	0.060	2	1
	212+25WB	LT	1282.36	1280.56	2	56	40	0.064	0.060	2	3
	112+37EB	RT	1281.97	1281.36	2	40		0.064	0.060	2	1
	115+30TB						150				2
1197-19-70	ID TOTAL				6	136	190			6	7
8120-00-72	ID TOTAL				0	0	0			0	0
	TOTAL				6	136	190			6	7

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE CURB & GUTTER

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	601.0105 CONCRETE CURB TYPE A LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0582 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T LF	SPV.0090.01 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.02 CONCRETE CURB AND GUTTER CURE AND SEAL TREATMENT LF
1197-19-70	STAGE 2	137+00 EB			LT	10								10
		112+85 EB	-	115+00 EB	RT						225			225
		119+00 EB	-	121+55 EB	LT			263						263
		122+35 EB	-	123+65 EB	LT		100					174		274
		123+80 EB	-	128+40 EB	LT			490						490
		128+65 EB	-	129+95 EB	LT		120					178		298
		130+10 EB	-	132+23 EB	LT			250						250
		132+50 EB	-	135+55 EB	LT								310	310
		132+90 EB	-	135+50 EB	RT			10					255	265
		135+50 EB		135+90 EB	RT				65					65
		136+40 EB		137+15 EB	RT				110					110
		136+75 EB	-	137+05 EB	LT								65	65
		408+50 B	-	409+25 B	LT/RT			153						153
	STAGE 3	122+35 EB	-	123+65 EB	LT		120					178		298
		128+65 EB	-	129+95 EB	LT		105					174		279
		212+85 WB	-	215+00 WB	RT						212			212
		219+00 WB	-	222+10 WB	LT			282						282
		223+85 WB	-	228+40 WB	RT			490						490
		230+00 WB	-	231+30 WB	LT			275						275
		230+20 WB	-	235+58 WB	LT			564						564
		236+45 WB	-	237+15 WB	LT			85						85
		301+25 A	-	302+30 A	LT					105				105
		302+30 A	-	235+98 WB	LT			749						749
		219+00 D	-	600+25 D	LT			330						330
		600+25 D	-	600+95 D	LT					70				70
		600+95 D	-	602+00 D	LT			105						105
		602+00 D	-	229+00 WB	LT			770						770
	STAGE 4	112+85 EB	-	115+00 EB	RT						220			220
		119+00 EB	-	503+35 C	RT			410						410
		121+00 EB	-	122+40 EB	RT			264						264
		121+52 EB	-	221+54 WB	LT/RT			149						149
		122+79 EB	-	129+30 EB	RT			691						691
		130+30 EB	-	132+48 EB	RT			307						307
		136+30 EB		136+40 EB	RT				57					57
		409+25 B	-	409+40 B	RT			12						12
		409+40 B	-	410+37 B	RT					100				100
		508+45 C	-	509+35 C	RT					95				95
8120-00-72	STAGE 2	116+25 EB			LT	45								45
		118+50 EB			LT	45								45
		803+85 WS			RT	45								45
		806+05 WS			RT	40								40
		115+00 EB	-	116+35 EB	LT			135						135
		117+05 EB			LT		89							89
		117+08 EB	-	705+05 WN	LT							120		120
		118+87 EB	-	119+00 EB	LT			19						19
		701+25 WN	-	703+95 WN	RT			268						268
		801+25 WS	-	803+95 WS	LT			263						263
		803+90 WS	-	703+90 WN	RT			87						87
	STAGE 3	116+35 EB	-	116+50 EB	LT			73						73
		116+80 EB	-	118+10 EB								231		231
		116+80 EB	-	118+10 EB	LT		171							171
		215+00 WB	-	216+50 WB	RT			150						150
		215+00 WB	-	807+42 WS	LT			363						363
		218+40 WB	-	219+00 WB	LT			54						54
		218+60 WB	-	219+00 WB	RT			40						40
		705+90 WN	-	706+45 WN	LT			102						102
		707+55 WN		708+00 WN	LT				50					50
	STAGE 4	115+00 EB	-	803+95 WS	RT/LT			220						220
		118+25 EB	-	118+85 EB	LT			110						110
		704+00 WN	-	119+00 EB	RT/LT			145						145
		707+55 WN	-	708+00 WN	RT/LT				50					50
		707+50 WN	-	218+40 WB	RT/LT			240						240
		803+95 WS	-	804+10 WS	RT/LT			64						64
1197-19-70					ID TOTAL	10	445	6,649	232	370	657	704	630	9,697
8120-00-72					ID TOTAL	175	260	2,333	100	0	0	351	0	3,219
					TOTAL	185	705	8,982	332	370	657	1,055	630	12,916

ALL ITEMS CATEGORY 0010
UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURE ITEMS

					522.1012	522.1018	522.1024	522.1036	522.1042	611.1004	611.1005	611.1006	611.2006	611.2007	SPV.0060.07	633.5200*
					APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE					CATCH BASINS			MANHOLES			MARKER CULVERT ENDS
PROJECT NUMBER	STRUCTURE NO.	STATION	OFFSET	ALIGNMENT	12-INCH EACH	18-INCH EACH	24-INCH EACH	36-INCH EACH	42-INCH EACH	4-FT DIAMETER EACH	5-FT DIAMETER EACH	6-FT DIAMETER EACH	6-FT DIAMETER EACH	7-FT DIAMETER EACH	SPECIAL 6 X 6-FT EACH	EACH
1197-19-70	100	114+72.05	37.7' RT	WIS 48 EB	1											1
1197-19-70	100A	114+72.05	1.5' LT	WIS 48 EB												
1197-19-70	100B	114+72.10	17.9' LT	WIS 48 EB												
8120-00-72	201	706+35.07	19.5' RT	WEST AVE N						1						
8120-00-72	202	806+34.51	19.5' LT	WEST AVE S							1					
8120-00-72	202A	806+49.20	19.6' LT	WEST AVE S							1					
8120-00-72	202B	806+50.11	42.7' LT	WEST AVE S												1
8120-00-72	203	807+82.78	21.5' LT	WEST AVE S							1					
8120-00-72	203A	807+82.78	21.5' LT	WEST AVE S							1					
8120-00-72	204	217+00.02	23.5' LT	WIS 48 WB							1					
8120-00-72	204A	216+20.71	19.8' LT	WIS 48 WB												
8120-00-72	204B	216+21.80	1.5' RT	WIS 48 WB												
8120-00-72	204C	216+51.35	11.3' RT	WIS 48 WB												
8120-00-72	204D	216+08.10	41.5' LT	WIS 48 WB												1
8120-00-72	300	117+42.51	21.5' RT	WIS 48 EB							1					
8120-00-72	301	703+30.53	8.5' RT	WEST AVE N									1			
8120-00-72	301A	703+34.36	33.9' LT	WEST AVE N												1
8120-00-72	302	702+75.02	17.5' RT	WEST AVE N							1					
8120-00-72	303	702+75.01	24.6' LT	WEST AVE N												
8120-00-72	303A	702+17.55	21.1' LT	WEST AVE N												
8120-00-72	303B	701+53.65	17.8' LT	WEST AVE N												
8120-00-72	303C	703+06.17	25.5' LT	WEST AVE N												
1197-19-70	400	124+28.08	46.4' RT	WIS 48 EB											1	
1197-19-70	401	122+64.78	59.1' RT	WIS 48 EB										1		
1197-19-70	401A	122+63.25	71.6' RT	WIS 48 EB			1									1
1197-19-70	402	122+48.06	35.4' RT	WIS 48 EB								1				
1197-19-70	402A	122+50.58	26.6' RT	WIS 48 EB												
1197-19-70	402B	122+31.73	63.4' RT	WIS 48 EB												
1197-19-70	403	121+98.61	1.5' LT	WIS 48 EB								1				
1197-19-70	404	119+98.27	1.5' LT	WIS 48 EB								1				
1197-19-70	404A	119+96.00	21.7' RT	WIS 48 EB												
1197-19-70	404B	119+99.94	18.5' LT	WIS 48 EB												
1197-19-70	404C	219+99.24	19.5' LT	WIS 48 WB												
8120-00-72	405	118+35.91	6.5' LT	WIS 48 EB									1			
8120-00-72	405A	118+36.58	27.8' LT	WIS 48 EB												
8120-00-72	405B	218+11.31	13.6' RT	WIS 48 WB							1					
8120-00-72	405C	217+97.43	5.7' RT	WIS 48 WB												
8120-00-72	405D	118+19.62	29.0' LT	WIS 48 EB												
8120-00-72	406	117+31.84	25.5' LT	WIS 48 EB									1			
8120-00-72	407	116+17.71	21.2' RT	WIS 48 EB							1					
8120-00-72	407A	116+70.52	75.5' RT	WIS 48 EB		1										1
8120-00-72	407B	116+17.71	1.5' LT	WIS 48 EB												
1197-19-70	500	121+80.76	112.2' LT	WIS 48 EB	1											1
1197-19-70	500A	222+08.80	22.6' LT	WIS 48 WB												
1197-19-70	500B	222+03.60	1.5' RT	WIS 48 WB												
1197-19-70	500C	221+95.65	21.5' RT	WIS 48 WB												1
1197-19-70	600	601+36.18	49.2' RT	D RAMP					1							1
1197-19-70	601	601+45.39	16.9' RT	D RAMP								1				
1197-19-70	602	601+44.30	1.5' LT	D RAMP							1	1				
1197-19-70	701	124+30.70	19.5' RT	WIS 48 EB								1				
1197-19-70	702	124+34.54	14.1' LT	WIS 48 EB									1			
1197-19-70			ID SUB-TOTAL		2	0	1	0	1	0	1	6	1	1	1	4
8120-00-72			ID SUB-TOTAL		0	1	0	0	0	1	9	0	3	0	0	5
			SUB-TOTAL		2	1	1	0	1	1	10	6	4	1	1	9

CONTINUED

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER STRUCTURE ITEMS CONTINUED

PROJECT NUMBER	STRUCTURE NO.	STATION	OFFSET	ALIGNMENT	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	SPV.0060.07 MANHOLES SPECIAL 6 X 6-FT EACH	633.5200* MARKER CULVERT ENDS EACH
1197-19-70	702A	123+88.47	32.5' LT	WIS 48 EB						1							
1197-19-70	702B	123+72.55	30.1' LT	WIS 48 EB							1						
1197-19-70	702C	223+66.80	13.7' RT	WIS 48 WB													
1197-19-70	702D	223+51.03	5.0' RT	WIS 48 WB													
1197-19-70	703	124+38.37	47.8' LT	WIS 48 EB								1					
1197-19-70	704	124+43.28	90.8' LT	WIS 48 EB					1								1
1197-19-70	705	125+16.80	19.5' RT	WIS 48 EB													
1197-19-70	705A	125+16.80	1.5' LT	WIS 48 EB													
1197-19-70	705B	125+16.80	14.0' LT	WIS 48 EB													1
1197-19-70	705C	125+16.80	26.5' LT	WIS 48 EB													
1197-19-70	705D	125+16.80	47.5' LT	WIS 48 EB													
1197-19-70	800	231+20.31	88.3' LT	WIS 48 WB			1										1
1197-19-70	801	229+28.71	24.0' LT	WIS 48 WB									1				
1197-19-70	801A	301+69.07	48' LT	A RAMP			1										1
1197-19-70	801B	228+31.89	21.6' LT	WIS 48 WB													
1197-19-70	801C	228+04.60	19.6' LT	WIS 48 WB													
1197-19-70	801D	228+35.08	1.5' RT	WIS 48 WB													
1197-19-70	900	131+80.22	75.3' RT	WIS 48 EB				1									1
1197-19-70	901	131+85.41	19.5' RT	WIS 48 EB								1					
1197-19-70	902	131+87.39	3.2' LT	WIS 48 EB							1						
1197-19-70	903	131+88.17	12.5' LT	WIS 48 EB													1
1197-19-70	904	231+88.43	1.5' RT	WIS 48 WB							1						
1197-19-70	905	231+92.40	34.3' LT	WIS 48 WB								1					
1197-19-70	905A	231+25.47	27.8' RT	WIS 48 WB													
1197-19-70	905B	231+24.57	19.5' LT	WIS 48 WB													
1197-19-70	906	231+95.94	66.1' LT	WIS 48 WB				1									1
1197-19-70	907	130+19.17	24.4' RT	WIS 48 EB							1						
1197-19-70	907A	130+14.19	11.2' LT	WIS 48 EB													
1197-19-70	908	129+63.75	2.6' LT	WIS 48 EB							1						
1197-19-70	908A	129+49.65	30.3' RT	WIS 48 EB													
1197-19-70	908B	129+26.75	21.5' RT	WIS 48 EB													
1197-19-70	908C	129+82.50	9.5' LT	WIS 48 EB													
1197-19-70	909	128+88.01	1.9' LT	WIS 48 EB													
1197-19-70	910	128+53.20	21.0' RT	WIS 48 EB							1						
1197-19-70	910A	128+30.09	1.5' LT	WIS 48 EB													
1197-19-70	910B	128+23.16	16.9' LT	WIS 48 EB													1
1197-19-70	910C	127+69.84	19.5' RT	WIS 48 EB													
1197-19-70	1000	233+58.75	54.6' LT	WIS 48 WB													
1197-19-70	1000A	233+58.75	25.5' LT	WIS 48 WB													
1197-19-70	1100A	235+39.34	25.5' LT	WIS 48 WB													
1197-19-70	1100B	235+57.39	25.5' LT	WIS 48 WB													
1197-19-70	1200	135+75.10	38.4' RT	WIS 48 EB													
1197-19-70	1200A	135+45.95	30.5' RT	WIS 48 EB													
1197-19-70	1200B	134+45.95	30.5' RT	WIS 48 EB													
1197-19-70	1300	235+55.53	6.5' RT	WIS 48 WB													
8120-00-72	TP1	216+92.77	49.2' LT	WIS 48 WB													
1197-19-70			ID SUB-TOTAL		0	0	2	2	1	1	6	3	1	0	0	0	8
8120-00-72			ID SUB-TOTAL		0	0	0	0	0	0	0	0	0	0	0	0	0
			SUB-TOTAL		0	0	2	2	1	1	6	3	1	0	0	0	8
			TOTAL		2	1	3	2	2	2	16	9	1	4	1	1	17

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER STRUCTURE ITEMS

					611.3003	611.3004	611.3230	611.3901	611.3902	611.0530	611.0606	611.0624	611.0627	611.0636	611.0639	611.0642	611.0645	611.0652	611.8120.S	650.4000
					INLETS					INLET COVERS									COVER PLATE	CONSTRUCTION STAKING STORM SEWER
PROJECT NUMBER	STRUCTURE NO.	STATION	OFFSET	ALIGNMENT	3-FT DIAMETER EACH	4-FT DIAMETER EACH	2 X 3 FT EACH	MEDIAN 1 GRATE EACH	MEDIAN 2 GRATE EACH	TYPE J EACH	TYPE B EACH	TYPE H EACH	TYPE HM EACH	TYPE HM-S EACH	TYPE H-S EACH	TYPE MS EACH	TYPE MS-A EACH	TYPE T EACH	EACH	EACH
8120-00-72	100	114+72.05	37.7' RT	WIS 48 EB																1
8120-00-72	100A	114+72.05	1.5' LT	WIS 48 EB			1					1								1
8120-00-72	100B	114+72.10	17.9' LT	WIS 48 EB			1					1								1
8120-00-72	201	706+35.07	19.5' RT	WEST AVE N								1							1	1
8120-00-72	202	806+34.51	19.5' LT	WEST AVE S											1					1
8120-00-72	202A	806+49.20	19.6' LT	WEST AVE S											1					1
8120-00-72	202B	806+50.11	42.7' LT	WEST AVE S				1								1				1
8120-00-72	203	807+82.78	21.5' LT	WEST AVE S								1								1
8120-00-72	203A	807+82.78	21.5' LT	WEST AVE S								1								1
8120-00-72	204	217+00.02	23.5' LT	WIS 48 WB								1							1	1
8120-00-72	204A	216+20.71	19.8' LT	WIS 48 WB		1						1							1	1
8120-00-72	204B	216+21.80	1.5' RT	WIS 48 WB		1						1								1
8120-00-72	204C	216+51.35	11.3' RT	WIS 48 WB			1								1					1
8120-00-72	204D	216+08.10	41.5' LT	WIS 48 WB					1								1			1
8120-00-72	300	117+42.51	21.5' RT	WIS 48 EB											1				1	1
8120-00-72	301	703+30.53	8.5' RT	WEST AVE N						1										1
8120-00-72	301A	703+34.36	33.9' LT	WEST AVE N					1							1				1
8120-00-72	302	702+75.02	17.5' RT	WEST AVE N											1					1
8120-00-72	303	702+75.01	24.6' LT	WEST AVE N		1									1					1
8120-00-72	303A	702+17.55	21.1' LT	WEST AVE N		1						1								1
8120-00-72	303B	701+53.65	17.8' LT	WEST AVE N			1					1								1
8120-00-72	303C	703+06.17	25.5' LT	WEST AVE N			1					1								1
1197-19-70	400	124+28.08	46.4' RT	WIS 48 EB																1
1197-19-70	401	122+64.78	59.1' RT	WIS 48 EB								1							1	1
1197-19-70	401A	122+63.25	71.6' RT	WIS 48 EB																1
1197-19-70	402	122+48.06	35.4' RT	WIS 48 EB								1							1	1
1197-19-70	402A	122+50.58	26.6' RT	WIS 48 EB		1						1							1	1
1197-19-70	402B	122+31.73	63.4' RT	WIS 48 EB		1						1							1	1
1197-19-70	403	121+98.61	1.5' LT	WIS 48 EB								1							1	1
1197-19-70	404	119+98.27	1.5' LT	WIS 48 EB								1								1
1197-19-70	404A	119+96.00	21.7' RT	WIS 48 EB			1					1							1	1
1197-19-70	404B	119+99.94	18.5' LT	WIS 48 EB			1					1								1
1197-19-70	404C	219+99.24	19.5' LT	WIS 48 WB			1					1								1
8120-00-72	405	118+35.91	6.5' LT	WIS 48 EB						1									1	1
8120-00-72	405A	118+36.58	27.8' LT	WIS 48 EB		1									1				1	1
8120-00-72	405B	218+11.31	13.6' RT	WIS 48 WB														1		1
8120-00-72	405C	217+97.43	5.7' RT	WIS 48 WB		1												1		1
8120-00-72	405D	118+19.62	29.0' LT	WIS 48 EB		1												1		1
8120-00-72	406	117+31.84	25.5' LT	WIS 48 EB						1										1
8120-00-72	407	116+17.71	21.2' RT	WIS 48 EB								1							1	1
8120-00-72	407A	116+70.52	75.5' RT	WIS 48 EB																1
8120-00-72	407B	116+17.71	1.5' LT	WIS 48 EB			1					1								1
1197-19-70	500	121+80.76	112.2' LT	WIS 48 EB																1
1197-19-70	500A	222+08.80	22.6' LT	WIS 48 WB			1					1								1
1197-19-70	500B	222+03.60	1.5' RT	WIS 48 WB			1					1								1
1197-19-70	500C	221+95.65	21.5' RT	WIS 48 WB				1								1				1
1197-19-70	600	601+36.18	49.2' RT	D RAMP																1
1197-19-70	601	601+45.39	16.9' RT	D RAMP											1					1
1197-19-70	602	601+44.30	1.5' LT	D RAMP											1					1
1197-19-70	701	124+30.70	19.5' RT	WIS 48 EB								1							1	1
1197-19-70	702	124+34.54	14.1' LT	WIS 48 EB						1										1
1197-19-70			ID SUB-TOTAL		0	2	7	1	0	1	0	12	0	0	2	1	0	0	7	20
8120-00-72			ID SUB-TOTAL		0	7	4	1	2	3	0	13	0	0	7	2	1	3	7	31
			SUB-TOTAL		0	9	11	2	2	4	0	25	0	0	9	3	1	3	14	51

CONTINUED

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURE ITEMS

CONTINUED

PROJECT NUMBER	STRUCTURE NO.	STATION	OFFSET	ALIGNMENT	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2 X 3 FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0530 INLET COVERS TYPE J EACH	611.0606 INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0652 INLET COVERS TYPE T EACH	611.8120.S COVER PLATE EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
1197-19-70	702A	123+88.47	32.5' LT	WIS 48 EB											1					1
1197-19-70	702B	123+72.55	30.1' LT	WIS 48 EB														1		1
1197-19-70	702C	223+66.80	13.7' RT	WIS 48 WB		1												1		1
1197-19-70	702D	223+51.03	5.0' RT	WIS 48 WB		1												1		1
1197-19-70	703	124+38.37	47.8' LT	WIS 48 EB								1								1
1197-19-70	704	124+43.28	90.8' LT	WIS 48 EB																1
1197-19-70	705	125+16.80	19.5' RT	WIS 48 EB		1						1							1	1
1197-19-70	705A	125+16.80	1.5' LT	WIS 48 EB			1					1								1
1197-19-70	705B	125+16.80	14.0' LT	WIS 48 EB				1								1				1
1197-19-70	705C	125+16.80	26.5' LT	WIS 48 EB			1					1								1
1197-19-70	705D	125+16.80	47.5' LT	WIS 48 EB			1					1								1
1197-19-70	800	231+20.31	88.3' LT	WIS 48 WB																1
1197-19-70	801	229+28.71	24.0' LT	WIS 48 WB						1										1
1197-19-70	801A	301+69.07	48' LT	A RAMP																1
1197-19-70	801B	228+31.89	21.6' LT	WIS 48 WB		1									1					1
1197-19-70	801C	228+04.60	19.6' LT	WIS 48 WB			1					1								1
1197-19-70	801D	228+35.08	1.5' RT	WIS 48 WB			1					1								1
1197-19-70	900	131+80.22	75.3' RT	WIS 48 EB																1
1197-19-70	901	131+85.41	19.5' RT	WIS 48 EB								1							1	1
1197-19-70	902	131+87.39	3.2' LT	WIS 48 EB								1								1
1197-19-70	903	131+88.17	12.5' LT	WIS 48 EB					1							1				1
1197-19-70	904	231+88.43	1.5' RT	WIS 48 WB								1								1
1197-19-70	905	231+92.40	34.3' LT	WIS 48 WB								1								1
1197-19-70	905A	231+25.47	27.8' RT	WIS 48 WB		1						1								1
1197-19-70	905B	231+24.57	19.5' LT	WIS 48 WB			1					1								1
1197-19-70	906	231+95.94	66.1' LT	WIS 48 WB																1
1197-19-70	907	130+19.17	24.4' RT	WIS 48 EB									1						1	1
1197-19-70	907A	130+14.19	11.2' LT	WIS 48 EB		1						1								1
1197-19-70	908	129+63.75	2.6' LT	WIS 48 EB														1		1
1197-19-70	908A	129+49.65	30.3' RT	WIS 48 EB		1							1						1	1
1197-19-70	908B	129+26.75	21.5' RT	WIS 48 EB			1					1							1	1
1197-19-70	908C	129+82.50	9.5' LT	WIS 48 EB		1												1		1
1197-19-70	909	128+88.01	1.9' LT	WIS 48 EB		1												1		1
1197-19-70	910	128+53.20	21.0' RT	WIS 48 EB								1							1	1
1197-19-70	910A	128+30.09	1.5' LT	WIS 48 EB		1						1								1
1197-19-70	910B	128+23.16	16.9' LT	WIS 48 EB				1								1				1
1197-19-70	910C	127+69.84	19.5' RT	WIS 48 EB			1					1							1	1
1197-19-70	1000	233+58.75	54.6' LT	WIS 48 WB		1									1					1
1197-19-70	1000A	233+58.75	25.5' LT	WIS 48 WB			1					1								1
1197-19-70	1100A	235+39.34	25.5' LT	WIS 48 WB			1					1								1
1197-19-70	1100B	235+57.39	25.5' LT	WIS 48 WB			1								1					1
1197-19-70	1200	135+75.10	38.4' RT	WIS 48 EB		1						1								1
1197-19-70	1200A	135+45.95	30.5' RT	WIS 48 EB			1					1								1
1197-19-70	1200B	134+45.95	30.5' RT	WIS 48 EB			1					1								1
1197-19-70	1300	235+55.53	6.5' RT	WIS 48 WB			1							1						1
8120-00-72	TP1	216+92.77	49.2' LT	WIS 48 WB	1						1									1
1197-19-70			ID TOTAL		0	12	14	2	1	1	0	23	2	1	4	3	0	6	7	45
8120-00-72			ID TOTAL		1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
			SUB-TOTAL		1	12	14	2	1	1	1	23	2	1	4	3	0	6	7	46
			TOTAL		1	21	25	4	3	5	1	48	2	1	13	6	1	9	21	97

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER PIPE

PROJECT NUMBER	STRUCTURE NO.	TO STRUCTURE	PIPE NO.	INLET ELEV.	OUTLET ELEV.	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 18-INCH LF	608.0324 24-INCH LF	608.0336 36-INCH LF	608.0342 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	REMARKS
8120-00-72	TP1	204	P-1	1265.67	1264.23							27							
1197-19-70	100A	100	P-100	1272.95	1272.75						39								
1197-19-70	100B	100A	P-101	1273.03	1272.95						16								
8120-00-72	201	200	P-200	1259.8	1259.2									16				1	CONNECT TO NEAREST EXISTING JOINT CONCRETE COLLAR
8120-00-72	202	201	P-201	1261.67	1259.8									50					
8120-00-72	202A	202	P-202	2161.88	1261.77										13				
8120-00-72	203	202A	P-202A	1262.74	1261.88										100				
8120-00-72	203A	203	P-202B	1263.04	1262.74										35				
8120-00-72		203A	P-202C	1263.07	1263.04										8			1	CONNECT TO NEAREST EXISITNG JOINT CONCRETE COLLAR
8120-00-72	204	202	P-203	1264.23	1262.77								61						
8120-00-72	204A	204	P-204	1264.98	1264.23								75						
8120-00-72	204D	204A	P-205	1265.21	1264.98								25						
8120-00-72	204B	204A	P-206	1265.27	1265.06						21								
8120-00-72	204C	204B	P-207	1265.58	1265.27						31								
8120-00-72	202B	202A	P-208	1263.29	1262.88								23						
8120-00-72	300	406	P-300	1259.27	1258.31										48				
8120-00-72	301	300	P-301	1260.82	1259.37										73				
8120-00-72	301A	301	P-302	1262.74	1261.32										43				
8120-00-72	302	301	P-303	1261.57	1261.28									57					
8120-00-72	303	302	P-304	1261.78	1261.57									42					
8120-00-72	303C	303	P-305	1263.08	1262.78						30								
8120-00-72	303A	303	P-306	1262.56	1262.28								55						
8120-00-72	303B	303A	P-307	1263.38	1263.06						64								
1197-19-70	401	400	P-400	1246.31	1239.14											197			
1197-19-70	402	401	P-401	1247.18	1246.58											31			
1197-19-70	401A	401	P-402	1249.1	1247.81									13					
1197-19-70	402B	402	P-403	1249.5	1249.18						32								
1197-19-70	402A	402	P-404	1249.27	1249.18						9								
1197-19-70	403	402	P-405	1248.31	1247.18											60			
1197-19-70	404	403	P-406	1252.2	1248.41											200			
1197-19-70	404A	404	P-407	1255.01	1254.54						23								
1197-19-70	404B	404	P-408	1254.88	1254.54						17								
1197-19-70	404C	404B	P-409	1255.4	1254.98						21								
8120-00-72	405	404	P-410	1255.06	1253.2											163			
8120-00-72	405A	405	P-411	1259.21	1258.79						21								
8120-00-72	405B	405A	P-412	1259.84	1259.31						26								
8120-00-72	405C	405B	P-413	1260.26	1259.94						16								
8120-00-72	405D	405B	P-414	1260.26	1259.94						16								
8120-00-72	406	405	P-415	1258.21	1256.39										91				
8120-00-72	407	406	P-416	1264.47	1260.21								107						
8120-00-72	407A	407	P-417	1267.47	1264.57								58						
8120-00-72	407B	407	P-418	1265.52	1265.07						23								
1197-19-70	500A	500	P-500	1250.15	1249.64						51								
1197-19-70	500B	500A	P-501	1250.4	1250.15						25								
1197-19-70	500C	500B	P-502	1250.62	1250.4						22								
1197-19-70	601	600	P-600	1241.48	1241.16					34									
1197-19-70	602	601	P-601	1242.36	1241.98				18									1	
1197-19-70	701	400	P-700	1238.91	1238.64					27									
1197-19-70	702	701	P-701	1239.25	1238.91												34		
1197-19-70	703	702	P-701A	1239.59	1239.25					34									
1197-19-70	704	703	P-702	1240.02	1239.59					43									
1197-19-70	701	705	P-703	1240.52	1240.26								86						
1197-19-70			ID SUB-TOTAL			0	0	0	18	138	255	0	86	13	0	488	34	1	
8120-00-72			ID SUB-TOTAL			0	0	0	0	0	248	27	404	165	411	163	0	2	
			SUB-TOTAL			0	0	0	18	138	503	27	490	178	411	651	34	3	

CONTINUED

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

CONTINUED

STORM SEWER PIPE

PROJECT NUMBER	STRUCTURE NO.	TO STRUCTURE	PIPE NO.	INLET ELEV.	OUTLET ELEV.	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 18-INCH LF	608.0324 24-INCH LF	608.0336 36-INCH LF	608.0342 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	REMARKS
1197-19-70	705A	705	P-704	1240.58	1240.52								21						
1197-19-70	705B	705A	P-705	1240.62	1240.58								13						
1197-19-70	705C	705B	P-706	1240.66	1240.62								13						
1197-19-70	705D	705C	P-707	1240.72	1240.66								21						
1197-19-70	702A	702	P-708	1243.09	1242.1	50													
1197-19-70	702B	702A	P-709	1243.58	1243.09	25													
1197-19-70	702C	702B	P-710	1243.94	1243.58	18													
1197-19-70	702D	702C	P-711	1244.3	1243.94	18													
1197-19-70	801	800	P-800	1230.72	1229.5			162											
1197-19-70	801A	801	P-801	1231.08	1230.72			36											
1197-19-70	801B	801	P-802	1233.23	1232.22		101												
1197-19-70	801C	801B	P-803	1234	1233.73	27													
1197-19-70	801D	801B	P-804	1233.96	1233.73	23													
1197-19-70	901	900	P-900	1219.97	1217.25				56										
1197-19-70	902	901	P-901	1221.18	1220.07				23										
1197-19-70	903	902	P-902	1221.73	1221.28				9										
1197-19-70	904	903	P-903	1222.28	1221.83				9										
1197-19-70	905	904	P-904	1224.13	1222.38				36										
1197-19-70	906	905	P-905	1225.78	1224.23				32										
1197-19-70	905A	905	P-906	1228.22	1226.87	67													
1197-19-70	905B	905A	P-907	1228.49	1228.32	8													
1197-19-70	907	901	P-908	1226.05	1221.07			166											
1197-19-70	907A	907	P-909	1230.22	1229.5	36													
1197-19-70	908	907	P-910	1227.88	1226.15			58											
1197-19-70	908C	908	P-911	1230.86	1230.76	20													
1197-19-70	908A	908	P-912	1230.62	1229.89	37													
1197-19-70	908B	908A	P-913	1231.4	1230.72	34													
1197-19-70	909	908	P-914	1230.44	1228.38		69												
1197-19-70	910	909	P-915	1231.37	1230.54		42												
1197-19-70	910C	910	P-916	1232.61	1231.97	64													
1197-19-70	910A	910	P-917	1232.07	1231.47		30												
1197-19-70	910B	910A	P-918	1232.51	1232.17		17												
1197-19-70	1000	EXISTING	P-1000	1220.41	1220.12		11											1	CONNECT TO NEAREST EXISTING JOINT CONCRETE COLLAR
1197-19-70	EXISTING	1000	P-1001	1221.09	1220.41		11											1	CONNECT TO NEAREST EXISTING JOINT CONCRETE COLLAR
1197-19-70	1000A	1000	P-1002	1221.78	1220.91	29													
1197-19-70	1100A	1100	P-1100	1218.2	1217.22	33													CONNECT TO EXISTING INLET
1197-19-70	1100B	1100A	P-1101	1218.38	1218.2	18													
1197-19-70	1200	EXISTING	P-1200	1211.29	1203.28			83										1	CONNECT TO NEAREST EXISTING JOINT CONCRETE COLLAR
1197-19-70	EXISTING	1200	P-1201	1212.83	1212.06			8										1	CONNECT TO NEAREST EXISTING JOINT CONCRETE COLLAR
1197-19-70	1200A	1200	P-1202	1217.82	1217.06	30													
1197-19-70	1200B	1200A	P-1203	1220.32	1217.82	100													
1197-19-70			ID SUB-TOTAL			637	281	513	165	0	0	0	68	0	0	0	0	4	
8120-00-72			ID SUB-TOTAL			0	0	0	0	0	0	0	0	0	0	0	0	0	
			SUB-TOTAL			637	281	513	165	0	0	0	68	0	0	0	0	4	
			TOTAL			637	281	513	183	138	503	27	558	178	411	651	34	7	

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

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CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

PROJECT NUMBER	STATION	LOCATION	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
1197-19-70	137+00 EB	RT	10	1
	235+85 WB	LT	10	1
	235+90 WB	LT	10	1
	236+60 WB	LT	10	1
	237+00 WB	LT	10	1
	237+00 WB	RT	20	1
	301+50 A	LT	20	1
	301+50 A	RT	20	1
	601+00 D	LT	20	1
	601+00 D	RT	20	1
8120-00-72	116+30 EB	LT	40	1
	116+30 EB	RT	20	1
	118+50 EB	LT	40	1
	118+50 EB	RT	20	1
	216+30 WB	LT	20	1
	218+50 WB	LT	20	1
	703+80 WN	RT	20	1
	706+10 WN	RT	20	1
	806+05 WS	LT	20	1
	806+05 WS	RT	40	1
	803+85 WS	LT	20	1
	803+85 WS	RT	40	1
1197-19-70		ID TOTAL	150	10
8120-00-72		ID TOTAL	320	12
		TOTAL	470	22

FENCE

PROJECT NUMBER	STATION	LOCATION	616.0700.S FENCE SAFETY LF
1197-19-70	UNDIST		1,000
8120-00-72	UNDIST		500
1197-19-70		ID TOTAL	1,000
8120-00-72		ID TOTAL	500
		TOTAL	1,500

INSULATION BOARD POLYSTYRENE

CATEGORY	PROJECT NUMBER	STATION	LOCATION	612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH SY
0020	8120-00-72	119+23EB	LT/RT	3.6
	8120-00-72	703+50WN	RT	3.6
	1197-19-70		ID TOTAL	0.0
	8120-00-72		ID TOTAL	7.2
			TOTAL	7.2

RIPRAP SUMMARY

PROJECT NUMBER	STATION	-	STATION		606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY
1197-19-70	114+74EB			RT	2			8
	131+80EB			RT		10	25	
	222+10WB			LT	2			8
	223+18WB	-	224+44WB	LT		76	160	
	231+20WB	-	231+95	LT		72	150	
	302+33A			RT	2			25
	508+32C			LT	2			25
8120-00-72								
1197-19-70				ID TOTAL	8	158	335	66
8120-00-72				ID TOTAL	0	0	0	0
				TOTAL	8	158	335	66

FENCE CHAIN LINK

PROJECT NUMBER	STATION	-	STATION	LOCATION	616.0206 FENCE CHAIN LINK 6-FT LF
1197-19-70	14+00 TB		15+73 TB	LT/RT	200
1197-19-70	ID TOTAL				200
8120-00-72	ID TOTAL				0
	TOTAL				200

ADJUSTING MANHOLE COVERS

PROJECT NUMBER	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH
8120-00-72	22+30 EXEB	LT	1
1197-19-70		ID TOTAL	0
8120-00-72		ID TOTAL	1
		TOTAL	1

CONCRETE MEDIAN

PROJECT NUMBER	STATION	-	STATION	LOCATION	620.0100 CONCRETE CORRUGATED MEDIAN SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
1197-19-70	112+85 EB			LT		40
	121+05 EB			RT		35
	122+05 EB			LT		15
	123+80 EB			LT		35
	128+35 EB			LT		15
	129+30 EB			RT		15
	130+15 EB			LT		15
	133+55 EB	-	135+67 EB	LT	1,225	
	220+10 WB			RT		15
	223+00 WB			LT		15
	223+90 WB			RT		15
	228+40 WB			RT		15
	229+45 WB			LT		15
	230+00 WB			LT		15
	230+20 WB			RT		15
	231+40 WB			LT		40
	235+50 WB			RT		100
	237+65 WB		238+70 WB	RT	1,200	
	509+55 C			LT		15
8120-00-72	116+45 EB			LT		10
	216+50 WB			RT		15
	805+87 WS			RT		15
	806+35 WS			RT		40
	705+90 WN			LT		15
	118+30 EB			LT		15
	218+35 WB			RT		15
	803+50 WS			RT		40
	704+03 WN			LT		15
	804+08 WS			RT		15
1197-19-70				ID TOTAL	2,425	430
8120-00-72				ID TOTAL	0	195
				TOTAL	2,425	625

LOCAL UTILITY ADJUSTMENTS

CATEGORY	PROJECT NUMBER	STATION	LOCATION	611.0420 RECONSTRUCTING MANHOLES EACH	SPV.0060.06 ADJUSTING WATER VALVE BOX EACH	REMARKS
0020	8120-00-72	806+12 WS	5' RT	1		+0.8' ADJUSTMENT
0020	8120-00-72	222+98 WB	0.5' LT	1		+0.58' ADJUSTMENT
0020	8120-00-72	227+39 WB	31' LT	1		+1.63' ADJUSTMENT
0020	8120-00-72	229+30 WB	38' LT	1		+5.37' ADJUSTMENT
0020	8120-00-72	111+91 EB	35' RT		1	
0020	8120-00-72	225+20 WB	48' LT		1	
0020	8120-00-72	227+37 WB	28' LT		1	
0020	8120-00-72	701+97 WN	33' RT		1	
0020	8120-00-72	703+75 WN	4' LT		1	
0020	8120-00-72	806+30 WS	10' LT		1	
	1197-19-70		ID TOTAL	0	0	
	8120-00-72		ID TOTAL	4	6	
			TOTAL	4	6	

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

FINISHING

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEEDING WATER MGAL	SPV.0085.01 SEEDING MIXTURE WETLAND LB
1197-19-70	STAGE 1	10+47EX	-	20+40EX	LT	1,966	1,970	1.2		53		
		24+13EX	-	34+41EX	LT	792	800	0.5		21		
		10+65TB	-	15+73TB	LT/RT	1,121	1,130	0.7		30		
		11+30TD	-	15+81TD	LT/RT	1,162	1,170	0.7		31		
	STAGE 2	105+17EB	-	115+00EB	RT	2,067	2,070	1.3		56		
		119+00EB	-	113+00EB	RT	5,342	5,350	3.4		144		
		405+50B	-	409+25B	LT/RT	2,391	2,400	1.5	43	65	54	
		508+00C	-	508+44C	LT/RT	281	290	0.2	5	8	6	
	STAGE 3	205+00WB	-	215+00WB	LT/RT	3,159	3,160	2.0	57	85	71	
		219+00WB	-	233+48WB	LT/RT	5,342	5,350	3.4	96	144	120	
		302+00A	-	304+00A	LT/RT	1,085	1,090	0.7	20	29	24	
		601+07D	-	603+25D	LT/RT	2,260	2,260	1.4	41	61	51	
	STAGE 4	105+17EB	-	115+00EB	RT	2,582	2,590	1.6	46	70	58	
		119+00EB	-	133+00EB	RT	5,933	5,940	3.7	107	160	133	
		10+65TB	-	15+73TB	LT/RT	1,510	1,510	1.0	27	41	34	
		10+65TB	-	15+73TB	LT/RT							2
					UNDISTRIBUTED				110			
8120-00-72	STAGE 1	20+40EX	-	24+13EX	LT	261	270	0.2		7		
		14+13WA	-	16+42WA	LT	772	780	0.5	14	21	17	
	STAGE 2	115+00EB	-	119+00EB	RT	736	740	0.5		20		
		701+25WN	-	703+90WN	LT/RT	1,167	1,170	0.7	21	32	26	
	STAGE 3	215+00WB	-	219+00WB	LT/RT	2,065	2,070	1.3	37	56	46	
		706+00WN	-	708+00WN	RT	376	380	0.2	7	10	8	
		806+00WS	-	807+93WS	LT	696	700	0.4	13	19	16	
	STAGE 4	115+00WB	-	119+00EB	LT/RT	1,501	1,510	0.9	27	41	34	
					UNDISTRIBUTED				30			
1197-19-70					ID TOTAL	36,993	37,080	23.3	552	999	551	2
8120-00-72					ID TOTAL	7,574	7,620	4.8	148	204	148	0
					TOTAL	44,567	44,700	28.1	700	1,203	699	2

MOBILIZATIONS EROSION CONTROL

PROJECT NUMBER	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
1197-19-70	PROJECT	12	6
8120-00-72	PROJECT	12	6
PROJECT	TOTAL	24	12

TRACKING PADS

PROJECT NUMBER	LOCATION	628.7560 TRACKING PADS EACH
1197-19-70	UNDISTRIBUTED	2
8120-00-72	UNDISTRIBUTED	1
	TOTAL	3

CULVERT PIPE CHECKS

PROJECT NUMBER	STAGE	STATION	LOCATION	PIPE SIZE INCH	628.7555 CULVERT PIPE CHECKS EACH
1197-19-70	STAGE 1	12+25 EX	LT	18	2
		29+25 EX	LT	42	6
		15+27 TB	RT	18	2
		15+33 TB	RT	18	2
		12+50 TD	LT	42	6
	STAGE 2	107+55 EB	RT	18	2
		122+60 EB	RT	24	3
		122+63 EB	RT	24	3
		407+80 B	LT	42	6
	STAGE 3	206+85 WB	LT	18	2
		224+43 WB	LT	42	6
		301+69 A	LT	24	2
		231+95 WB	LT	36	5
8120-00-72	STAGE 1	17+15 EX	LT	18	2
	STAGE 2	110+80 EB	RT	18"	2
		112+05 EB	RT	18"	2
		116+70 EB	RT	18"	2
		703+05 WN	LT	20"X12"	3
		701+60 WN	LT	12"	1
		703+25 WN	RT	18"	2
1197-19-70		ID TOTAL			47
8120-00-72		ID TOTAL			14
		TOTAL			61

ROCK BAGS

PROJECT NUMBER	STAGE	STATION	LOCATION	628.7570 ROCK BAGS EACH
1197-19-70	STAGE 1	12+80 TD	LT	12
	STAGE 2	131+20 EB	RT	12
		132+30 EB	RT	12
		408+25 B	RT	12
		408+55 B	LT	12
		409+25 B	RT	12
		UNDIST		15
8120-00-72		UNDIST		20
1197-19-70		ID TOTAL		107
8120-00-72		ID TOTAL		20
		TOTAL		127

TEMPORARY DITCH CHECKS

PROJECT NUMBER	STAGE	STATION	-	STATION	628.7504 TEMPORARY DTICH CHECKS LF
1197-19-70	STAGE 1	12+60 EX	-	16+15 EX	10
		WORK ZONE			100
	STAGE 2	WORK ZONE			60
	STAGE 3	WORK ZONE			60
	STAGE 4	WORK ZONE			60
		UNDIST			60
8120-00-72	STAGE 1	WORK ZONE			50
	STAGE 2	WORK ZONE			50
	STAGE 3	WORK ZONE			50
	STAGE 4	WORK ZONE			50
		UNDIST			50
1197-19-70		ID TOTAL			350
8120-00-72		ID TOTAL			250
		TOTAL			600

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

EROSION CONTROL

PROJECT NUMBER	STAGE	STATION		STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	645.0125 GEOTEXTILE TYPE MS SY
1197-19-70	STAGE 1	24+15 D	-	605+00 D	LT	710	710							
		10+60TB	-	15+75TB	LT/RT	600	600	250						700
		12+60 EX	-	16+15 EX	LT	260	260	320						
		10+65 SC	-	15+60 SC				1,375						
		TEMP MARSH STOCKPILE				275	275							800
	STAGE 2	108+55 EB	-	110+75 EB	RT	220	220			3		12	6	
		508+00 C	-	124+50 EB	RT	230	230							
		126+80 EB	-	405+50 B	LT	530	530							
		405+50 B	-	136+00 EB	RT	990	990							
		105+00 EB	-	110+70 EB				340						
		119+00 EB	-	137+25 EB				4,970	740					
	STAGE 3	219+00 WB	-	605+00 D	LT	730	730			3		11	7	
		304+20 AWB	-	51+20 AWB	LT	280	280							
		601+70 D	-	603+45 D	RT	170	170							
		205+00 WB	-	210+70 WB				790						
		218+95 WB	-	236+00 WB				2,910	2,970					
	STAGE 4	105+00 EB	-	110+70 EB				470				9	5	
		119+00 EB	-	137+25 EB				1,055	1,320					
		STOUT ST	-						710					
		UNDISTRIBUTED				1,250	1,250	3,120	1,435	1	0	4	2	375
8120-00-72	STAGE 1	18+00 EX	-	21+60 EX	LT	360	360			1	1			
		23+00 EX	-	24+15 EX	LT	115	115							
		115+00 EB	-	119+00 EB				450						
	STAGE 2	115+00 EB	-	119+00 EB				1,480	630	1		2	1	
		111+15 EB	-	112+15 EB	RT	100	100							
		701+10 WN	-	702+15 WN	RT	105	105							
		702+55 WN	-	703+80 WN	RT	125	125							
	STAGE 3	115+00 EB	-	119+00 EB				1,330	560	1		6	3	
		708+10 WB	-	219+00 WB	LT	250	250							
	STAGE 4	115+00 EB	-	119+00 EB				90	1,320			1	2	
		UNDISTRIBUTED				265	265	838	628	0	0	2	1	
1197-19-70					ID TOTAL	6,245	6,245	15,600	7,175	7	0	36	20	1,875
8120-00-72					ID TOTAL	1,320	1,320	4,188	3,138	3	1	11	7	0
					TOTAL	7,565	7,565	19,788	10,313	10	1	47	27	1,875

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ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

PERMANENT SIGNING TYPE II

PROJECT NUMBER	SIGN #	SIGN CODE	SIGN SIZE IN	637.0620 SIGN FLAGS PERMANENT TYPE II 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	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT (EACH)	634.0620 20-FT (EACH)	SIGN MESSAGE
1197-19-70	1-1 E	W3-5	36X36				9.00		1				REDUCE SPEED AHEAD 35 MPH
1197-19-70	1-2 E	W6-1	36X36				9.00		1				DIVIDED HWY AHEAD
1197-19-70	2-1 E	W2-6	30X30	2			6.25						ROUNDABOUT AHEAD
1197-19-70	2-2 E	S13-1	18X18				2.25			1			15 MPH ADVISORY SPEED
1197-19-70	2-3 E	R2-1	24X30		5.00				1				SPEED LIMIT 35 MPH
1197-19-70	2-4 E	D1-62	108X66		49.50						2		EAST
1197-19-70	2-5 E												CITY NO PARKING
1197-19-70	2-6 E	W3-2	36X36				9.00		1				YIELD AHEAD
1197-19-70	2-7 E	R4-7	24X30		5.00			1					KEEP RIGHT
8120-00-72	3-1 E	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
8120-00-72	3-2 E	W-16-7L	24X12				2.00						DIRECTIONAL ARROW YELLOW
8120-00-72	3-3 E	R1-2	36X31		3.88					1			YIELD
8120-00-72	3-4 E	R6-2R	24X30		5.00								ONE WAY
8120-00-72	3-5 E	R1-2	36X31		3.88				1				YIELD
8120-00-72	3-6 E	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
8120-00-72	3-7 E	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
8120-00-72	3-8 E	W16-7L	24X12				2.00						DIRECTIONAL ARROW YELLOW
8120-00-72	3-9 E	R6-1R	36X12		3.00				2				ONE WAY
8120-00-72	3-10 E	R6-4D	60X24		10.00								CEVRON ROUNDABOUT
8120-00-72	3-11 E	D1-1	66X15		6.88				2				WEST AVE
8120-00-72	3-12 E	R4-7	24X30		5.00			1					KEEP RIGHT SYMBOL
8120-00-72	3-13 E	R6-1R	36X12		3.00				2				ONE WAY
8120-00-72	3-14 E	R6-4D	60X24		10.00								CHEVRON ROUNDABOUT
8120-00-72	3-15 E	R1-2	36X31		3.88					1			YIELD
8120-00-72	3-16 E	R6-2R	24X30		5.00								ONE WAY
8120-00-72	3-17 E	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
8120-00-72	3-18 E	W16-7L	24X12				2.00						DIRECTIONAL ARROW YELLOW
8120-00-72	3-19 E	R1-2	36X31		3.88				1				YIELD
8120-00-72	3-20 E	R1-54	24X15		2.50								TO TRAFFIC FROM RIGHT
8120-00-72	3-21 E	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
8120-00-72	3-22 E	W16-7L	24X12				2.00						DIRECTIONAL ARROW YELLOW
8120-00-72	3-23 E	D1-62	84X78		45.50						2		NORTH , EAST , SOUTH C
8120-00-72	3-24 E	D1-1	42X30		8.75				1				EAST 48
1197-19-70	3-25 E	D1-3	78X36		19.50				2				DIRECTIONAL
1197-19-70	4-1 E	R11-54F	48X30			10.00			2				RAMP CLOSED USE ALT ROUTE
1197-19-70	4-2 E	J2-1	24X57		9.50					1			ROUTE ASSEMBLY
1197-19-70	4-3 E	W12-1D	24X24				4.00	1					DOUBLE DIAGONAL ARROW
1197-19-70	4-4 E	R1-2	36X31	2	3.88					1			YIELD
1197-19-70	4-5 E	R6-2R	24X30		5.00								ONE WAY
1197-19-70	4-6 E	R1-2	36X31	2	3.88				1				YIELD
1197-19-70	4-7 E	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
1197-19-70	4-9 E	R1-2	36X31	2	3.88				1				YIELD
1197-19-70	4-10 E	R6-1R	36X12		3.00				2				ONE WAY
1197-19-70	4-11 E	R6-4B	60X24		10.00								CHEVRON ROUNDABOUT
1197-19-70	4-12 E	D1-1	42X30		8.75				1				SOUTH 53
1197-19-70	4-13 E	D1-1	42X30		8.75				1				EAST 48
1197-19-70	4-14 E	D1-62	78X66		35.75						2		EAST, NORTH
1197-19-70	5-1 E	D1-2	66X15		6.88				2				DESTINATION SUPERIOR
1197-19-70	5-2 E	R1-2	36X31	2	3.88					1			YIELD
1197-19-70	5-3 E	R6-2R	24X30		5.00								ONE WAY
1197-19-70	5-4 E	R1-2	36X31	2	3.88				1				YIELD
1197-19-70	5-5 E	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
1197-19-70	5-6 E	R6-1R	36X12		3.00				2				ONE WAY
1197-19-70	5-7 E	R6-4B	60X24		10.00								CHEVRON ROUNDABOUT'
1197-19-70	5-8 E	R6-7R	36X12		3.00				2				ONE WAY

CONTINUED

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

PERMANENT SIGNING TYPE II CONTINUED

PROJECT NUMBER	SIGN #	SIGN CODE	SIGN SIZE IN	637.0620 SIGN FLAGS PERMANENT TYPE II 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	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	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)	634.0620 POSTS WOOD 4X6-INCH 20-FT (EACH)	SIGN MESSAGE
1197-19-70	5-9 E	R6-4B	60X24		10.00								CHEVRON ROUNDABOUT
1197-19-70	5-10 E	R3-1	24X24		4.00				1				NO RIGHT TURN
1197-19-70	5-11 E	R5-1	30X30		6.25				1				DO NOT ENTER
1197-19-70	5-12 E	R1-2	36X31	2	3.88					1			YIELD
1197-19-70	5-13 E	R6-2R	24X30		5.00								ONE WAY
1197-19-70	5-14 E	D9-2	24X24		4.00				1				HOSPITAL
1197-19-70	5-15 E	MB6-1	21X21		3.50								DIRECTIONAL ARROW YELLOW
1197-19-70	5-16 E	R1-2	36X31	2	3.89				1				YIELD
1197-19-70	5-17 E	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
1197-19-70	5-18 E	D1-1	42X30		8.75					1			ROUTE MARKER
1197-19-70	5-19 E	W3-3	36X36				9.00		1				TRAFFIC SIGNAL AHEAD
1197-19-70	5-20 E	I2-3	66X24				11.00		2				RICE LAKE
1197-19-70	5-21 E		MOVED										SISTER CITY
1197-19-70	5-22 E		60X42				17.50		2				BARRON COUNTY FAIRGROUNDS
1197-19-70	6-1 E	R4-4	36X36		9.00				2				BEGIN RIGHT TURN
1197-19-70	6-2 E	R3-8W	54X30		11.25				2				VARIOUS ONLYS
1197-19-70	6-3 E	D9-2	24X24		4.00				1				HOSPITAL
1197-19-70	6-4 E	MB6-1	21X21		3.50								DIRECTIONAL ARROW
1197-19-70	6-5 E		MOVED										MAIN STREET DESIGNATED
1197-19-70	6-6 E	R1-1F	30X30			5.18							FOLDING STOP SIGN
1197-19-70	6-7 E	W12-1D	24X24				4.00	1					DOUBLE DIAGONAL ARROW
1197-19-70	6-8 E	R1-1F	30X30			5.18							FOLDING STOP SIGN
1197-19-71	6-8* E	R1-2	36X31		3.89				1				YIELD
1197-19-70	6-9 E	R1-1F	30X30			5.18							FOLDING STOP SIGN
1197-19-70	6-10 E	D9-2	24X24		4.00				1				HOSPITAL
1197-19-70	6-11 E	MB6-1	21X21		3.50								DIRECTIONAL ARROW
1197-19-70	7-1 E	R3-20L	24X36		6.00					1			BEGIN LEFT TURN
8120-00-72	8-1 E	W2-6	30X30	2			6.25			1			ROUNDABOUT AHEAD
8120-00-72	8-2 E	S13-1	18X18				2.25						15 MPH
8120-00-72	8-3 E	D1-62	102X60		42.50						2		WEST, EAST
8120-00-72	8-4 E	W3-2	36X36				9.00		1				YIELD AHEAD
8120-00-72	9-1 E	R2-1	24X30		5.00				1				SPEED LIMIT 35 MPH
1197-19-70	10-1 E	R5-57	36X36		9.00				1				PEDESTRIANS, BICYCLES ETC PROHIBITED
1197-19-70	11-1 E	W2-6	30X30	2			6.25			1			ROUNDABOUT AHEAD
1197-19-70	11-2 E	S13-1	18X18				2.25						15 MPH
1197-19-70	11-3 E	W3-2	36X36				9.00						YIELD AHEAD
1197-19-70	11-4 E	D1-62	102X66		46.75						2		ROUNDABOUT DIRECTIONAL
1197-19-70	11-5 E	D1-2	84X30		17.50					2			DIRECTIONAL
1197-19-70	11-6 E	R5-1A	36X24		6.00				1				WRONG WAY
1197-19-70	13-1 E	R5-1A	36X24		6.00				1				WRONG WAY
1197-19-70	2-1 W	R2-1	24X30		5.00					1			55 MPH
1197-19-70	2-2 W	W6-3	36X36				9.00			1			TWO WAY TRAFFIC
1197-19-70	2-3 W	R5-1A	30X30		6.25					1			DO NOT ENTER
1197-19-70	3-1 W	J4-1	24X36		6.00				1				ROUTE MARKER
8120-00-72	3-2 W	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
8120-00-72	3-3 W	W16-7L	24X12				2.00						DIRECTIONAL ARROW
8120-00-72	3-4 W	D1-1	42X30		8.75				1				WEST 48
8120-00-72	3-5 W	R6-1R	36X12		3.00								ONE WAY
8120-00-72	3-6 W	R6-4B	60X24		10.00				2				CHEVRON ROUNDABOUT
8120-00-72	3-7 W	R1-2	36X31		3.88								YIELD
8120-00-72	3-8 W	R1-54	24X15		2.50				1				TO TRAFFIC FROM LEFT
8120-00-72	3-9 W	W11-2	30X30				6.25						PEDESTRIAN CROSSING
8120-00-72	3-10 W	W16-7L	24X12				2.00		1				DIRECTIONAL ARROW
8120-00-72	3-11 W	R1-2	36X31		3.88					1			YIELD
8120-00-72	3-12 W	R6-2R	24X30		5.00								ONE WAY
8120-00-72	3-13 W	R4-7	24X30		5.00				1				KEEP RIGHT
8120-00-72	3-14 W	D1-1	66X15		6.88				2				WEST AVE
8120-00-72	3-15 W	R6-1R	36X12		3.00				2				ONE WAY
8120-00-72	3-16 W	R6-4B	60X24		10.00								CHEVRON ROUNDABOUT
8120-00-72	3-17 W	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED CONTINUED

PERMANENT SIGNING TYPE II CONTINUED

PROJECT NUMBER	SIGN #	SIGN CODE	SIGN SIZE IN	637.0620 SIGN FLAGS PERMANENT TYPE II 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	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT (EACH)	634.0620 20-FT (EACH)	SIGN MESSAGE
8120-00-72	3-18 W	W16-7L	24X12				2.00						DIRECTIONAL ARROW
8120-00-72	3-19 W	R1-2	36X31		3.88				1				YIELD
8120-00-72	3-20 W	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
8120-00-72	3-21 W	R1-2	36X31		3.88					1			YIELD
8120-00-72	3-22 W	R6-2R	24X30		5.00								ONE WAY
8120-00-72	3-23 W	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
8120-00-72	3-24 W	W16-7L	24X12				2.00						DIRECTIONAL ARROW
1197-19-70	4-1 W	D1-62	108X66		49.50							2	WEST AVE, WEST 48, WEST AVE
1197-19-70	4-2 W	D1-1	42X30		8.75				1				STH 48 WEST DIRECTIONAL
1197-19-70	4-3 W	R1-2	36X31	2	3.88				1				YIELD
1197-19-70	4-4 W	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
1197-19-70	4-5 W	R6-1R	36X12		3.00				2				ONE WAY
1197-19-70	4-6 W	R6-4B	60X24		10.00								CHEVRON ROUNDABOUT
1197-19-70	4-7 W	D1-56L	60X12		5.00				2				BUSINESS DISTRICT
1197-19-70	4-8 W	W11-2	30X30				6.25		1				PEDESTRIAN CROSSING
1197-19-70	4-9 W	W16-7L	24X12				2.00						DIRECTIONAL ARROW
1197-19-70	4-10 W	R1-2	36X31	2	3.88					1			YIELD
1197-19-70	4-11 W	R6-2R	24X30		5.00								ONE WAY
1197-19-70	4-12 W	R5-1	30X30		6.25				1				DO NOT ENTER
1197-19-70	4-13 W	R6-1R	36X12		3.00				2				ONE WAY
1197-19-70	4-14 W	R6-4B	60X24		10.00								CHEVRON ROUNDABOUT
1197-19-70	4-15 W	R3-1	24X24		4.00				1				NO RIGHT TURN
1197-19-70	4-16 W	R1-2	36X31	2	3.88				1				YIELD
1197-19-70	4-17 W	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
1197-19-70	4-18 W	R1-2	36X31	2	3.88					1			YIELD
1197-19-70	4-19 W	R6-2R	24X30		5.00								ONE WAY
1197-19-70	4-20 W	D1-1	78X15		8.13					2			EAU CLAIRE
1197-19-70	5-1 W	D1-2	78X66		35.75							2	SOUTH 53, WEST 48
1197-19-70	5-2 W	D1-1	42X30		8.75				1				WEST STH 48
1197-19-70	5-3 W	D1-1	42X30		8.75				1				NORTH USH 53
1197-19-70	5-4 W	R6-1R	36X12		3.00				1				ONE WAY
1197-19-70	5-5 W	R6-4B	60X24		10.00				2				CHEVRON ROUNDABOUT
1197-19-70	5-6 W	W11-2	30X30				6.25						PEDESTRIAN CROSSING
1197-19-70	5-7 W	W16-7L	24X12				2.00		1				DIRECTIONAL ARROW
1197-19-70	5-8 W	R1-2	36X31	2	3.88								YIELD
1197-19-70	5-12 W	R1-2	36X31	2	3.88					1			YIELD
1197-19-70	5-13 W	R6-2R	24X30		5.00								ONE WAY
1197-19-70	5-14 W	R1-2	36X31	2	3.88				1				YIELD
1197-19-70	5-15 W	R1-54	24X15		2.50								TO TRAFFIC FROM LEFT
1197-19-70	5-16 W	W12-1D	24X24				4.00	1					DOUBLE DIRECTIONAL ARROWS
1197-19-70	6-1 W	J2-1	24X57		9.50					1			NORTH USH 53
1197-19-70	6-2 W	R3-20L	24X36		6.00				1				BEGIN LEFT TURN
1197-19-70	6-3 W	R3-7R	30X30		6.25				1				RIGHT LANE MUST TURN RIGHT
1197-19-70	6-4 W	R11-54F	48X30			10.00							RAMP CLOSED USE ALT ROUTE
1197-19-71	6-4WA	D1-3	84X36		21					2			CUMBERLAND/EAU CLAIR/SUPERIOR
1197-19-72	6-4WB	W3-2	36X36		9					1			YEILD AHEAD
1197-19-70	6-5 W	D1-62	84X78		45.50							2	SOUTH 53, WEST 48, NORTH 53
1197-19-70	6-6 W	R1-1F	30X30			5.18							STOP SIGN
1197-19-70	6-7 W	R1-1F	30X30			5.18							STOP SIGN
1197-19-70	6-8 W	R1-1F	30X30			5.18							STOP SIGN
1197-19-70	6-9 W	R5-1	30X30		6.25					1			DO NOT ENTER
1197-19-70	6-10 W	W2-6	30X30	2			6.25						WARNING ROUNDABOUT
1197-19-70	6-11 W	S13-1	18X18				2.25						15 MPH
1197-19-70	7-1 W	R5-1A	36X24		6.00				1				WRONG WAY
1197-19-70	7-2 W	R3-8W	54X30		11.25				2				VARIOUS ONLYS
1197-19-70	7-3 W	R4-4	36X30		7.50					1			BEGIN RIGHT TURN
1197-19-70	7-4 W	W3-3	36X36				9.00			1			STOP LIGHTS AHEAD
8120-00-72	8-1 W	R2-1	24X30		5.00								SPEED LIMIT 35 MPH
8120-00-72	9-1 W	W3-2	36X36				9.00		1				YIELD AHEAD
8120-00-72	9-2 W	D1-62	102X60		42.50						2		EAST 48, WEST AVE, WEST 48

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED CONTINUED

PERMANENT SIGNING TYPE II CONTINUED

PROJECT NUMBER	SIGN #	SIGN CODE	SIGN SIZE IN	637.0620 SIGN FLAGS PERMANENT TYPE II 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	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 14-FT EACH	634.0616 16-FT EACH	634.0618 18-FT (EACH)	634.0620 20-FT (EACH)	SIGN MESSAGE
8120-00-72	9-3 W	W2-6	30X30	2			6.25			1			ROUNDABOUT AHEAD
8120-00-72	9-4 W	S13-1	18X18				2.25						15 MPH
1197-19-70	11-1 W	R5-1A	36X24		6.00				1				WRONG WAY
1197-19-70	12-1 W	R5-57	36X36		9.00					1			PEDS, BICYCLES ETC PROHIBITED
1197-19-70	13-1 W	R5-1A	36X24		6.00					1			WRONG WAY
1197-19-70	13-2 W	D1-2	84X30		17.50				2				RICE LAKE, CUMBERLAND
1197-19-70	13-3 W	D1-62	102X66		46.75					2			EAST 48, SOUTH 53, WEST 48
1197-19-70	13-4 W	W3-2	36X36				9.00			1			YIELD AHEAD
1197-19-70	13-5 W	W2-6	30X30	2			6.25			1			ROUNDABOUT AHEAD
1197-19-70	13-6 W	S13-1	18X18				2.25						15 MPH
1197-19-70		ID TOTAL		36	814.59	51.08	163.00	4	67	28	6	6	
8120-00-72		ID TOTAL		4	294.80	0.00	101.00	1	30	6	6	0	
		TOTAL		40	1,109.39	51.08	264.00	5	97	34	12	6	

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ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGN REMOVALS

PROJECT NUMBER	STATION	LOCATION	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
1197-19-70	102+70 EB	RT	R-1		1	1	
	210+05 WB	LT	R-2		1	1	
	110+00 EB	RT	R-3		1	1	
	111+45 EB	RT	R-4		1	2	
	111+75 EB	RT	R-5	1			2
	214+50 WB	LT	R-6		1	2	
	214+50 WB	LT	R-6A		1		
	219+30 WB	LT	R-26		1	1	
	119+80 EB	RT	R-27		1	1	
	219+80 WB	LT	R-28		1	1	
	120+70 EB	RT	R-29		1	2	
	120+70 EB	RT	R-30		1		
	211+10 WB	LT	R-31		1	2	
	121+55 EB	RT	R-32		1	1	
	121+55 EB	RT	R-33		1		
	121+45 EB	RT	R-34		1	2	
	222+10 WB	LT	R-35		1	1	
	221+90 WB	LT	R-35A		1	2	
	122+35 EB	LT	R-36		1	1	
	222+30 WB	LT	R-37		1	1	
	222+30 WB	LT	R-37A		1		
	222+35 WB	LT	R-38		1	1	
	222+70 WB	LT	R-39		1	1	
	222+75 WB	RT	R-40		1	1	
	222+75 WB	RT	R-41		1		
	123+15 EB	LT	R-42		1	1	
	223+35 WB	LT	R-43		1	1	
	223+35 WB	LT	R-44		1		
	123+80 EB	RT	R-45		1	1	
	124+10 EB	RT	R-46	2			1
	124+10 EB	RT	R-47		1		
	224+85 WB	LT	R-48		1	2	
	224+85 WB	LT	R-49		1		
	227+30 WB	LT	R-50		1	1	
	127+50 EB	RT	R-51		1	2	
	127+50 EB	RT	R-52		1		
	228+35+WB	LT	R-53		1	1	
	128+90 EB	RT	R-54		1	1	
	128+95 EB	RT	R-55		1	1	
	229+10 WB	RT	R-56		1	1	
	129+55 EB	LT	R-57		1	1	
	129+55 EB	LT	R-58		1		
	129+60 EB	LT	R-59		1	1	
	129+95 EB	RT	R-60		1	1	
	130+05 EB	RT	R-61		1	1	
	130+05 EB	RT	R-62		1		
	130+05 EB	RT	R-63		1		
	130+25 EB	RT	R-64		1	1	
	230+65 WB	LT	R-65		1	1	
	130+90 EB	RT	R-66		1	1	
	131+35 EB	RT	R-67	1	1	1	
	131+35 EB	RT	R-68		1		
	231+50 WB	LT	R-69		1	1	
	231+55 WB	LT	R-70		1	1	
	132+25 EB	RT	R-71	1			2
	233+25 WB	LT	R-72		1	1	
	133+45 EB	RT	R-73		1	1	
	133+45 EB	RT	R-74		1		
	133+45 EB	RT	R-75		1		
	134+55 EB	RT	R-76	1	1	1	

CONTINUED

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

SIGN REMOVALS

CONTINUED

PROJECT NUMBER	STATION	LOCATION	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
	235+15 WB	LT	R-77		1	2	
	135+23 EB	RT	R-78		1	1	
	135+23 EB	RT	R-79		1		
	235+55 WB	RT	R-80		1	1	
	235+55 WB	RT	R-81		1		
	235+85 WB	LT	R-82		1	1	
	136+35 EB	RT	R-83		1	1	
	136+65 EB	RT	R-84		1	1	
	136+90 EB	LT	R-85		1	1	
	136+90 EB	LT	R-86		1		
	237+10 WB	LT	R-87		1	1	
	238+10 WB	LT	R-88		1	1	
	238+10 WB	LT	R-89		1		
	238+10 WB	LT	R-89A		1		
	138+55 EB	RT	R-90		1	1	
	239+85 WB	LT	R-91		1	2	
	302+05 A	RT	R-96		1	1	
	406+55 B	RT	R-97		1	1	
	406+55 B	RT	R-98		1		
	406+55 B	LT	R-99		1	1	
	508+30 C	LT	R-100		1	1	
	602+25 D	LT	R-101		1	1	
	602+25 D	LT	R-102		1		
	US 53 NB	RT	R-103		1	1	
	US 53 NB	RT	R-104		1		
	US 53 SB	LT	R-105		1		
	US 53 SB	LT	R-106		1		
	US 53 SB	LT	R-107		1		
	124+60 EB	RT	R-47A		1	1	
8120-00-72	115+35 EB	RT	R-7		1	1	
	115+80 EB	RT	R-8		1	1	
	216+25 WB	LT	R-9		1	1	
	216+25 WB	LT	R-10		1		
	116+40 EB	RT	R-11		1	1	
	116+40 EB	RT	R-12		1		
	117+15 EB	RT	R-13		1	1	
	216+85 WB	LT	R-13A		1	1	
	217+00 WB	LT	R-14		1	1	
	217+00 WB	LT	R-15		1		
	217+60 WB	RT	R-15A		1	1	
	217+65 WB	LT	R-16		1	1	
	217+65 WB	LT	R-17		1		
	217+65 WB	LT	R-17A		1		
	217+65 WB	LT	R-18		1		
	217+65 WB	LT	R-19		1		
	117+65 EB	RT	R-20		1	1	
	117+65 EB	RT	R-21		1		
	218+15 WB	LT	R-22		1	1	
	218+15 WB	LT	R-23		1		
	118+45 EB	RT	R-24		1	1	
	118+90 EB	RT	R-25		1	2	
	701+00 WN	RT	R-92		1	1	
	702+55 WN	RT	R-93		1	1	
	803+20 WS	LT	R-94	1			1
	707+15 WN	RT	R-95		1	1	
1197-19-70		ID TOTAL		6	86	70	5
8120-00-72		ID TOTAL		1	25	17	1
		TOTAL		7	111	87	6

TRAFFIC CONTROL

PROJECT NUMBER	STAGE	STAGE DURATION	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS DAY
1197-19-70	PRECONSTRUCTION		28	100						
	STAGE 1			5,250	55			100	220	1,150
	STAGE 2		7	12,000	1,350	60	60	2,500	2,500	6,600
	STAGE 2 DETOUR	28	56							945
	STAGE 3		7	15,750	2,200	75	75	3,900	370	6,600
	STAGE 3 DETOUR	28	56						110	940
	STAGE 4			3,000						260
	UNDISTRIBUTED		14	2,250	325	20	20	210	105	525
8120-00-72	STAGE 1			1,250						370
	STAGE 2			4,500	220	15	15	440		1,250
	STAGE 3			3,900	220	45	45	440		1,250
	STAGE 4			1,250	220			440	440	260
	UNDISTRIBUTED		10	750	110	15	15	100	55	260
1197-19-70	ID TOTAL		168	38,350	3,930	155	155	6,710	3,305	17,020
8120-00-72	ID TOTAL		10	11,650	770	75	75	1,420	495	3,390
	TOTAL		178	50,000	4,700	230	230	8,130	3,800	20,410

TRAFFIC CONTROL COVERING SIGNS

PROJECT NUMBER	STAGE	NUMBER OF CYCLES	643.0920 CONTROL COVERING SIGNS TYPE II EA
1197-19-70	STAGE 2	1	3
	UNDISTRIBUTED	1	2
1197-19-70	ID TOTAL		5
8120-00-72	ID TOTAL		0
	TOTAL		5

TRAFFIC CONTROL COVERING SIGNS

PROJECT NUMBER		643.5000 TRAFFIC CONTROL EA
1197-19-70		1
8120-00-72		1
1197-19-70	ID TOTAL	1
8120-00-72	ID TOTAL	1
	TOTAL	2

TEMPORARY PAVEMENT MARKING

PROJECT NUMBER	STAGE	STATION	-	STATION	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	649.0205 TEMPORARY MARKING LINE PAINT 8-INCH LF	649.0150 TEMPORARY MARKING LINE REMOVEABLE TAPE 4-INCH WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVEABLE TAPE 4-INCH YELLOW LF	649.0250 TEMPORARY MARKING LINE REMOVEABLE TAPE 8-INCH LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVEABLE TAPE 18-INCH LF
1197-19-70	STAGE 1	119+00 EB	-	144+80 EB						200		
	STAGE 2A	105+00 EB	-	115+00 EB	1,580	1,280		400	700			
		119+00 EB	-	144+80 EB	2,835	3,730	100	445	630		24	
		RAMP D				90						22
		STOUT ST CONNECTOR						495	475		15	
	STAGE 2B	119+00 EB	-	144+80 EB				65				32
		RAMP C						270	215			
	STAGE 3A	105+00 EB	-	115+00 EB	715	70		1,255	1,900			
		119+00 EB		144+80 EB	2,838	2,025	100	1,578	2,705		24	24
		RAMP D			1,515	1,390			190			15
	STAGE 3B	RAMP A						125	50			
		RAMP D						110	75			15
	STAGE 4A	119+00 EB	-	144+80 EB				162				
				SUBTOTAL	18,068		200	11,845		200	63	108
8120-00-72	STAGE 2A	115+00 EB	-	119+00 EB	325	280						24
		WEST AVE			405	120		205			22	
	STAGE 2B	115+00 EB	-	119+00 EB				230				
		WEST AVE										
	STAGE 3A	115+00 EB		119+00 EB	362	230		282	318			
		WEST AVE			540	580		190	280			12
	STAGE 3B	115+00 EB	-	119+00 EB				154	326			
		WEST AVE			245			430	700			12
	STAGE 4A	115+00 EB	-	119+00 EB								
		WEST AVE							50			
				SUBTOTAL	3,087		0	3,165		0	22	48
1197-19-70				ID TOTAL	18,068		200	11,845		200	63	108
8120-00-72				ID TOTAL	3,087		0	3,165		0	22	48
				TOTAL	21,155		200	15,010		200	85	156

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING

PROJECT NUMBER	STATION		STATION	LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
1197-19-70	104+00 EB	-	112+85 EB	LT			2,268								
	105+00 EB	-	115+00 EB	RT		1,000									
	110+50 EB	-	113+00 EB	LT									94		
	112+85 EB			LT											1
	112+85 EB	-	115+00 EB	RT			215								
	119+50 EB	-	120+65 EB	RT		30									
	121+00 EB			RT											1
	122+00 EB			LT				80							
	122+10 EB	-	122+60 EB	RT	2' SKIP, 2' GAP					25					
	122+70 EB			RT				30							
	123+75 EB			LT				75							
	128+40 EB			LT				75							
	128+40 EB			RT	2' SKIP, 2' GAP					16					
	129+30 EB			RT				20							
	129+35 EB	-	129+90 EB	RT	2' SKIP, 2' GAP					28					
	129+80 EB	-	133+40 EB	RT	3' SKIP, 9' GAP	90									
	130+10 EB			LT				80							
	132+00 EB	-	133+40 EB	RT	3' SKIP, 9' GAP	36									
	133+40 EB			LT/RT							2				
	133+40 EB	-	135+50 EB	RT		210		110							
	133+55 WB			LT											1
	134+55 EB			LT/RT								2			
	135+00 EB			LT/RT							2				
	135+50 EB			RT					30						
	136+25 EB			LT				55							
	136+25 EB			RT					15						
	136+35 EB			RT											1
	136+85 EB			LT											1
	136+50 EB			RT					24						
	137+00 EB			LT/RT										156	
	137+10 EB			LT					15						
	137+60 EB	-	142+65 EB	RT		505									
	138+25 EB	-	146+25 EB	RT		800									
	139+40 EB	-	147+60 EB	LT			1,640								
	140+50 EB	-	147+20 EB	LT									590		
	205+00 WB	-	215+00 WB	LT		1,000									
	210+20 EB	-	144+00 EB	LT		380									
	212+85 WB	-	215+00 WB	LT			215								
	222+50 WB	-	223+00 WB	LT	2' SKIP, 2' GAP					25					
	223+00 WB			LT				25							
	223+85 WB			LT	2' SKIP, 2' GAP					16					
	229+50 WB			LT				30							
	230+10 WB			LT	2' SKIP, 2' GAP					18					
	231+30 WB			LT											1
	232+00 WB	-	233+50 WB	LT	3' SKIP, 9' GAP	39									
	232+40 WB	-	234+65 WB	LT		225									
	232+85 WB	-	235+65 WB	LT				280							
	235+00 WB			RT					15						1
	235+85 WB			LT										130	
	236+00 WB			LT			90	45	28					135	
	237+10 WB			LT					30						
	237+10 WB	-	239+60 WB	LT		250		250							
	237+40 WB			LT/RT							2				
	237+90 WB			LT/RT								2			
	238+75 WB			RT											1

CONTINUED

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING

CONTINUED

PROJECT NUMBER	STATION		STATION	LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
	239+50 WB			LT/RT							2				
	239+60 WB	-	241+10 WB	LT	3' SKIP, 9' GAP	39									
	239+60 WB	-	241+30 WB	LT	3' SKIP, 9' GAP	42									
	240+50 WB	-	243+00 WB	LT									75		
	240+50 WB	-	247+60 WB	RT			1,420								
	241+10 EB	-	144+00 EB	LT		300									
	BEAR PAW NORTH			LT/RT							2				
	BEAR PAW SOUTH			LT/RT							2				
	41+15 EBC	-	41+50 EBC	LT				70							
	42+50 EBC			LT				25							
	301+00 A			RT				30							
	301+10 A	-	301+65 A	RT	2' SKIP, 2' GAP					24					
	301+35 A	-	304+00 A	LT		265									
	301+50 A			LT/RT										88	
	301+65 A	-	304+00 A	RT			235								
	405+50 B	-	409+50 B	LT			400								
	405+50 B	-	410+00 B	RT		450									
	508+00 C	-	509+35 C	RT			135								
	508+75 C	-	509+50 C	LT	2' SKIP, 2' GAP					38					
	60+00 D			LT/RT										40	
	600+50 D	-	603+25 D	LT		275									
	600+90 D	-	603+25 D	RT			235								
	SHARED PATH SKIPS			LT	3' SKIP, 9' GAP		426								
8120-00-72	116+50 RB			RT						24					
	115+00 EB	-	116+30 EB	LT			130								
	115+00 EB	-	115+85 EB	RT		85									
	116+25 EB			RT										40	
	116+30 EB	-	116+45 EB	LT				75							
	118+25 EB	-	118+40 EB	LT				70							
	118+50 EB			RT										40	
	215+00 WB	-	216+45 WB	RT			145								
	215+00 WB	-	216+25 WB	LT		125									
	216+25 WB			LT										36	
	218+30 WB			LT						14					
	218+50 WB			LT										40	
	701+25 WN	-	704+00 WN	LT & RT			550								
	702+00	-	703+50	LT									40		
	703+50 WN														1
	703+90 WN			RT										36	
	704+00 WN			RT						24					
	705+85 WN	-	706+00 WN	LT				70							
	706+00 WN	-	708+00 WN	LT & RT			400								
	706+05 WN			RT										36	
	706+50 WN														1
	706+50	-	707+00	LT									25		
	803+90 WS			LT										36	
	804+00 WS	-	804+15 WS	RT				70							
	805+85 WS			LT						24					
	806+00 WS			LT										36	
1197-19-70					ID TOTAL	5,936	7,279	1,280	157	190	12	4	759	549	8
8120-00-72					ID TOTAL	210	1,225	285	0	86	0	0	65	300	2
					TOTAL	6,146	8,504	1,565	157	276	12	4	824	849	10
						14,650									

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING PAVEMENT MARKINGS

PROJECT NUMBER	STAGE	STATION	-	STATION	LINE TYPE	**646.9000** MARKING REMOVAL LINE 4-INCH LF	**646.9100** MARKING REMOVAL LINE 8-INCH LF	**646.9200** MARKING REMOVAL LINE WIDE LF	**646.9300** MARKING REMOVAL SPECIAL MARKING EACH
1197-19-70	1	45+80	-	48+90 S2 RT	DBL Y	620			
	1	45+80	-	48+90 S2 RT	DBL Y	620			
	1	45+80	-	48+90 S2 RT	12" DIA			328	
	1	47+25	-	48+90 S2 LT	EDGE	165			
	2	105+00	-	109+00 EB CL	DBL Y	800			
	2	10+00	-	13+95 S2	EDGE	395			
	2	23+60	-	24+00 S2 RT	CHAN		40		
	2	23+60	-	24+00 S2 RT	EDGE	275			
	2	24+00	-	25+50 S2 RT	DASH	36			
	2	D RAMP LT			STOP			15	
	2	D RAMP RT			STOP			15	
	2	D RAMP		ISLAND			80		
	2	27+25	-	29+25 S2 LT	EDGE	200			
	2	27+25	-	28+90 S2 RT	SKIPS	50			
	2	31+50	-	33+75 S2 LT	EDGE	225			
	2	31+50	-	33+75 S2 CL	SKIPS	38			
	2	34+00	-	34+75 S2 CL	SKIPS	25			
	2	34+45	-	34+70 S2 LT	CHAN		25		
	2	23+75 S2			WORD				1
	2	35+20 S2 LT			ARROW				1
	2	36+20 S2 LT			ARROW				1
	2	397+80	-	399+50 B RT	EDGE	170			
	3	0+00	-	3+80 S3	EDGE	380			
	3	603+25	-	605+00 D LT	EDGE	175			
8120-00-72	2	13+95	-	21+00 S2	EDGE	705			
	2	22+60	-	23+60 S2 RT	CHAN		100		
	2	22+85	-	23+60 S2 LT	EDGE	75			
	2	12+90 WA			STOP			18	
	2	23+25 S2			ARROW				1
1197-19-70				ID TOTAL		4,174	145	358	3
8120-00-72				ID TOTAL		780	100	18	1
				TOTAL		4,954	245	376	4

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ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

CONSTRUCTION STAKING

PROJECT NUMBER	STATION	-	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB AND GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	SPV.0105.06 CONSTRUCTION STAKING ROUNDABOUT (SB RAMP) LS	SPV.0105.07 CONSTRUCTION STAKING ROUNDABOUT (NB RAMP) LS	SPV.0105.08 CONSTRUCTION STAKING ROUNDABOUT (WEST AVE) LS	SPV.0105.09 CONSTRUCTION STAKING CONCRETE PAVEMENT JOINT LAYOUT LS	SPV.0105.12 CONSTRUCTION STAKING CONCRETE PAVEMENT JOINT LAYOUT LS
1197-19-70	133+55 EB	-	135+70 EB	LT/RT			215										
	133+00 EB	-	135+90 EB	RT			315										
	BEAR PAW	-	NORTH	LT/RT	75			75				75					
	136+40 EB	-	137+15 EB	RT			110										
	136+75 EB	-	138+85 EB	LT			210										
	132+60 EB	-	144+80 EB						1,220								
	238+55 WB	-	244+80 WB						625								
	109+00 EB	-	115+00 EB	LT/RT	600			600				600					
	119+00 EB	-	132+60 EB	LT/RT	1,360			1,360				1,360					
	209+00 WB	-	215+00 WB	LT/RT	600			600				600					
	219+00 WB	-	238+55 WB	LT/RT	1,955			1,955				1,955					
	301+00 A	-	304+00 A	LT/RT	300			300				300					
	405+50 B	-	410+00 B	LT/RT	450			450				450					
	508+00 C	-	510+00 C	LT/RT	200			200				200					
	600+50 D	-	603+25 D	LT/RT	275			275				275					
	10+65 TB	-	15+65 TB	LT/RT	500	500						500					
	135+50 EB		135+90 EB	RT			70										
	136+30 EB		136+40 EB	RT			60										
	PROJECT									1	1		1	1		1	
8120-00-72	115+00 EB	-	119+00 EB	LT/RT	400			400				400			1		
	215+00 WB	-	219+00 WB	LT/RT	400			400				400					
	701+25 WN	-	704+00 WN	LT/RT	275			275				275					
	705+90 WN	-	708+00 WN	LT/RT	210			210				210					
	707+50 WN	-	708+00 WN	LT	45	50	50										
	707+50 WN	-	708+00 WN	RT			50										
	PROJECT										1						1
1197-19-70				ID TOTAL	6,315	500	980	5,815	1,845	1	1	6,315	1	1	0	1	0
8120-00-72				ID TOTAL	1,330	50	100	1,285	0	0	1	1,285	0	0	1	0	1
				TOTAL	7,645	550	1,080	7,100	1,845			7,600				1	1

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

ELECTRICAL WIRE LIGHTING & CONDUIT

PROJECT NUMBER	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	655.0615* ELECTRICAL WIRE LIGHTING 10 AWG LF
1197-19-70	LM-A01	-	PB-01	180		551
	PB-01	-	PB-02		178	546
	PB-02	-	LM-A02	149		458
	LM-A02	-	PB-03	124		383
	PB-03	-	LM-A03		78	245
	LM-A03	-	PB-04		176	539
	PB-04	-	PB-05		31	104
	PB-05	-	LM-A04	3		20
1197-19-70	LM-A04	-	LM-A05	190		1150
8120-00-72	LM-A05	-	LM-A06	127		772
	LM-A06	-	PB-06	5		41
	PB-06	-	PB-07		39	244
	PB-07	-	LM-A07	48		300
	LM-A07	-	PB-08	17		113
	PB-08	-	PB-09		92	563
	PB-09	-	PB-10	22		144
	PB-10	-	LM-A09	45		146
	LM-A09	-	LM-A10	199		607
	PB-10	-	LM-A08		4	23
	PB-10	-	CABINET	62		382
	CABINET	-	PB-11	36		227
	PB-11	-	PB-12		31	198
	PB-12	-	LM-A11	4		41
8120-00-72	PB-12	-	PB-13		35	128
1197-19-70	PB-13	-	LM-A12	55		176
	LM-A12	-	LM-A13	81		253
	LM-A13	-	PB-14	14		95
	PB-14	-	PB-15		110	342
	PB-15	-	LM-A14	58		185
	PB-15	-	LM-A15	183		560
	LM-A11	-	LM-A16	178		1078
	LM-A16	-	LM-A17	122		742
	LM-A17	-	PB-16	11		44
	PB-16	-	PB-17		32	108
	PB-17	-	LM-A18	66		209
	LM-A18	-	PB-18	52		167
	PB-18	-	PB-19		86	270
	PB-19	-	LM-A19	107		332
	LM-A19	-	LM-A20	166		508
	PB-19	-	LM-A21	28		94
	LM-A21	-	LM-A22	53		170
	LM-A23	-	PB-21	4		23
	PB-21	-	PB-22		54	174
	PB-22	-	LM-A24	14		53
	LM-A24	-	LM-A25	79		247
	LM-A25	-	PB-23	22		143
	PB-23	-	PB-24		86	270
	PB-24	-	LM-A28	88		275
	PB-24	-	LM-A26	59		188
	LM-A26	-	LM-A27	194		592
	LM-A23	-	LM-A29	95		580
	LM-A29	-	LM-A30	99		604
	LM-A30	-	LM-A31	149		904
	LM-A31	-	PB-25	9		65
	PB-25	-	PB-26		34	216
	PB-26	-	LM-A32	58		359
	LM-A32	-	LM-A33	72		442
	LM-A33	-	LM-A34	80		250
	LM-A34	-	LM-A35	188		574
	LM-A33	-	PB-27	16		107

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

ELECTRICAL WIRE LIGHTING & CONDUIT

CONTINUED

PROJECT NUMBER	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	655.0615* ELECTRICAL WIRE LIGHTING 10 AWG LF
	PB-27	-	PB-28		55	342
	PB-28	-	LM-A36	5		41
	PB-28	-	CABINET	77		473
	CABINET		PB-29	10		71
	PB-29	-	PB-30		39	246
	PB-30	-	PB-31		85	522
	LM-A37	-	PB-30	4		35
	PB-31	-	LM-A38	23		80
	LM-A38	-	PB-32	88		275
	PB-32	-	LM-A39	59		188
	LM-A39	-	LM-A40	176		538
	PB-32	-	PB-33		43	186
	PB-33	-	LM-A41	27		92
	LM-A41	-	LM-A42	81		253
	LM-A37	-	LM-A43	115		700
	LM-A43	-	PB-34	95		581
1197-19-70	PB-34	-	LM-A44	93		569
1197-19-70			ID TOTAL	3,899	1,087	20,587
8120-00-72			ID TOTAL	565	201	3,929
			TOTAL	4,464	1,288	24,516

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL CABINET

PROJECT NUMBER	STATION	LOCATION	654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 EACH	659.2124 LIGHTING CONTROL CABINETS 120/240 24-INCH EACH
8120-00-72	118+57.01	57.3' RT	1	1
1197-19-70	128+03.28	34.5' RT	1	1
		TOTAL	2	2

LIGHTING PULL BOXES

PROJECT NUMBER	PULL BOX NO.	STATION	LOCATION	653.0140* PULL BOXES STEEL 24x42-INCH EACH
1197-19-70	PB-01	105+94.90	18.0 RT	1
	PB-02	107+99.71	26.9 RT	1
	PB-03	110+72.65	26.1 RT	1
	PB-04	113+25.93	24.5 RT	1
1197-19-70	PB-05	113+25.34	6.1 LT	1
8120-00-72	PB-06	116+37.92	13.0 LT	1
	PB-07	116+42.33	25.5 RT	1
	PB-08	117+06.85	38.5 RT	1
	PB-09	117+67.87	28.8 RT	1
	PB-10	117+83.77	41.6 RT	1
	PB-11	118+68.57	23.3 RT	1
8120-00-72	PB-12	118+78.34	6.3 LT	1
1197-19-70	PB-13	118+77.59	45.3 LT	1
	PB-14	117+32.31	200.2 LT	1
	PB-15	116+47.39	157.4 LT	1
	PB-16	121+75.22	25.9 LT	1
	PB-17	121+73.90	58.3 LT	1
	PB-18	123+34.57	148.1 LT	1
	PB-19	123+72.76	127.5 LT	1
	PB-20	124+05.62	62.8 LT	1
	PB-21	124+11.68	12.4 LT	1
	PB-22	123+82.09	32.9 RT	1
	PB-23	122+85.34	40.6 RT	1
	PB-24	122+67.66	67.0 RT	1
	PB-25	127+59.95	4.9 LT	1
	PB-26	127+70.45	27.3 RT	1
	PB-27	129+26.40	31.4 RT	1
	PB-28	129+64.39	41.1 RT	1
	PB-29	130+46.87	25.4 RT	1
	PB-30	130+38.82	12.7 LT	1
	PB-31	130+50.49	102.3 LT	1
	PB-32	130+19.87	152.4 LT	1
	PB-33	129+21.63	166.3 LT	1
1197-19-70	PB-34	132+47.18	15.4 LT	1
1197-19-70			ID TOTAL	27
8120-00-72			ID TOTAL	7
			TOTAL	34

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING BASES, POLES, ARMS, FIXTURES AND WIRE

PROJECT NUMBER	LUMINAIRE NO.	STATION	OFFSET	654.0105* CONCRETE BASES TYPE 5 EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0321 POLES TYPE 5-STEEL EACH	SPV.0060.01* LUMINAIRE EACH	657.0730 LUMINAIRE ARMS TRUSS TYPE 6-INCH CLAMP 12-FT EACH	655.0615* ELECTRICAL WIRE LIGHTING 10 AWG LF
1197-19-70	LM-A01	104+45.54	28.8 RT	1	1	1	1	1	126
	LM-A02	109+48.34	26.0 RT	1	1	1	1	1	126
	LM-A03	111+50.78	25.7 RT	1	1	1	1	1	126
1197-19-70	LM-A04	113+25.28	9.2 LT	1	1	1	2	2	249
8120-00-72	LM-A05	115+16.11	9.7 LT	1	1	1	2	2	249
	LM-A06	116+37.55	17.9 LT	1	1	1	2	2	249
	LM-A07	116+94.85	48.6 RT	1	1	1	1	1	126
	LM-A08	117+86.55	39.7 RT	1	1	1	1	1	126
	LM-A09	117+60.29	69.5 RT	1	1	1	1	1	126
	LM-A10	701+61.93WS	39.0 RT	1	1	1	1	1	126
	LM-A11	118+79.60	10.6 LT	1	1	1	2	2	249
	LM-A12	118+49.48	92.0 LT	1	1	1	1	1	126
	LM-A13	118+30.63	170.6 LT	1	1	1	1	1	126
	LM-A14	116+42.41	100.2 LT	1	1	1	1	1	126
8120-00-72	LM-A15	116+94.85	48.6 RT	1	1	1	1	1	126
1197-19-70	LM-A16	120+56.78	10.6 LT	1	1	1	2	2	249
	LM-A17	121+75.84	15.0 LT	1	1	1	2	2	249
	LM-A18	122+01.19	103.8 LT	1	1	1	1	1	126
	LM-A19	601+88.25D	33.2 RT	1	1	1	1	1	126
	LM-A20	603+61.00D	32.7 RT	1	1	1	1	1	126
	LM-A21	122+37.60	156.4 LT	1	1	1	1	1	126
	LM-A22	124+01.46	87.2 LT	1	1	1	1	1	126
	LM-A23	124+13.78	15.5 LT	1	1	1	2	2	249
	LM-A24	123+61.76	42.6 RT	1	1	1	1	1	126
	LM-A25	122+97.73	32.1 RT	1	1	1	1	1	126
	LM-A27	506+64.88C	18.0 LT	1	1	1	1	1	126
	LM-A28	121+25.85	66.9 RT	1	1	1	1	1	126
	LM-A29	125+09.20	13.4 LT	1	1	1	2	2	249
	LM-A30	126+07.84	14.0 LT	1	1	1	2	2	249
	LM-A31	127+57.03	13.8 LT	1	1	1	2	2	249
	LM-A32	128+56.88	34.7 RT	1	1	1	1	1	126
	LM-A33	129+16.07	31.9 RT	1	1	1	1	1	126
	LM-A34	408+74.28B	30.5 LT	1	1	1	1	1	126
	LM-A35	406+78.53B	34.1 LT	1	1	1	1	1	126
	LM-A37	130+37.69	18.1 LT	1	1	1	2	2	249
	LM-A38	130+53.88	124.5 LT	1	1	1	1	1	126
	LM-A39	302+21.01A	18.3 RT	1	1	1	1	1	126
	LM-A40	303+96.84A	23.4 RT	1	1	1	1	1	126
	LM-A41	129+84.32	152.9 LT	1	1	1	1	1	126
	LM-A42	128+17.38	81.9 LT	1	1	1	1	1	126
	LM-A43	131+52.91	12.5 LT	1	1	1	2	2	249
1197-19-70	LM-A44	133+39.84	23.6 LT	1	1	1	2	2	249
1197-19-70			ID TOTAL	31	31	31	41	41	5,136
8120-00-72			ID TOTAL	11	11	11	14	14	1,755
			TOTAL	42	42	42	55	55	6,891

*ADDITIONAL QUANTITIES
LISTED ELSEWHERE

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL - CONDUIT RIGID NONMETALLIC

PROJECT NUMBER	FROM	TO	# OF CONDUITS	LENGTH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
1197-19-70	CB1	PB1	2	15	30	
	PB1	SB1	1	8	8	
	PB1	PB2	2	63		126
	PB2	SB2	1	6	6	
	PB2	PB3	2	44		88
	PB3	SB3	1	7	7	
	PB3	PB4	2	77		154
	PB4	SB4	1	13	13	
	PB4	PB5	2	52		104
	PB5	SB5	1	13	13	
	PB5	PB6	2	43	86	
	PB6	SB6	1	6	6	
	PB6	PB7	2	63		126
	PB7	SB7	1	5	5	
	PB7	PB8	2	37		74
	PB8	SB8	1	8	8	
	PB8	PB9	2	50	100	
	PB9	SB9	1	5	5	
	PB9	PB10	2	86		172
	PB10	SB10	1	9	9	
	PB10	CB1	2	25	100	
1197-19-70	ID TOTAL				396	844

TRAFFIC SIGNAL - CONTROLLER AND CABINET (WIS 48 & BEAR PAW AVE)

PROJECT NUMBER	STRUCTURE	SPV.0105.05 TRAFFIC SIGNAL CONTROLLER AND CABINET WIS 48 & BEAR PAW AVE LS	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	656.0200 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS	SPV.0060.05 INSTALL CELLULAR MODEM EACH	COMMENTS
1197-19-70	CB1	1	1	1	1	FINAL LOCATION DETERMINED BY ENGINEER
1197-19-70	ID TOTAL	1	1	1	1	

TRAFFIC SIGNAL - PULL BOXES

PROJECT NUMBER	STRUCTURE	STATION	OFFSET	653.0140* PULL BOXES STEEL 24" X 42" EACH
1197-19-70	PB1	137+10EB	68.2' LT	1
	PB2	137+10EB	5.4' LT	1
	PB3	137+10EB	39.0' RT	1
	PB4	136+34EB	47.3' RT	1
	PB5	135+82EB	53.0' RT	1
	PB6	135+42EB	38.3' RT	1
	PB7	135+42EB	24.8' LT	1
	PB8	135+42EB	61.6' LT	1
	PB9	135+88EB	79.7' LT	1
	PB10	136+74EB	80.3' LT	1
1197-19-70			ID TOTAL	10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

VEHICULAR VIDEO DETECTION SYSTEM

PROJECT LOCATION	SPV.0105.04 VEHICULAR VIDEO DETECTION SYSTEM WIS 48 & BEAR PAW AVE LS
1197-19-70 WIS 48 & BEAR PAW AVE	1

TRAFFIC SIGNAL HARDWARE

PROJECT	LOCATION	658.5069 SIGNAL MOUNTING HARDWARE LS
1197-19-70	WIS 48 & BEAR PAW AVE	1

TRAFFIC SIGNALS - POLES, BASES AND LIGHTING

PROJECT NUMBER	SIGNAL BASE	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	657.0100 PEDESTAL BASES EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0520 MONOTUBE ARMS 20-FT EACH	657.0525 MONOTUBE ARMS 25-FT EACH	657.0540 MONOTUBE ARMS 40-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	657.0350 POLES TYPE 10 EACH	657.0360 POLES TYPE 13 EACH	SPV.0060.01* LUMINAIRE EACH
1197-19-70	SB-01	137+06EB	65' LT	1			1	1							
	SB-02	137+04EB	5' LT	1			1	1							
	SB-03	137+03EB	36' RT		1					1		1	1		1
	SB-04	136+35EB	42' RT	1			1	1							
	SB-05	135+86EB	66' RT		1					1		1	1		1
	SB-06	135+49EB	34' RT	1			1	1							
	SB-07	135+47EB	24' LT	1			1	1							
	SB-08	135+49EB	61' LT		1				1			1	1		1
	SB-09	135+84EB	76' LT	1			1	1							
	SB-10	136+66EB	76' LT			1					1	1		1	1
1197-19-70	ID TOTAL			6	3	1	6	6	1	2	1	4	3	1	4

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL PERMANENT SIGNAL ITEMS ID 1197-19-70

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL - SIGNAL CABLE AND WIRE & LIGHTING WIRE

PROJECT NUMBER	CABLE RUN FROM	CABLE RUN TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
1197-19-70	CB1	SB1		48				
	CB1	SB2		119				
	CB1	SB3		214	214			224
	CB1	SB4		252				
	CB1	SB5		344				360
	CB1	SB6	350					
	CB1	SB7		248				
	CB1	SB8		239				246
	CB1	SB9		151				
	CB1	SB10		114	60	60		110
	PB1	CB1				30		
	PB2	SB2				30		
	PB3	SB3				26		
	PB4	SB4				19		
	PB5	SB5				29		
	PB6	SB6				32		
	PB7	SB7				30		
	PB8	SB8				32		
	PB9	SB9				32		
	PB10	CB1				30		
	SB1	SB2				120		
	SB2	SB3				86		
	SB3	SB4				92		
	SB4	SB5				71		
	SB5	SB6				125		
	SB6	SB7				100		
	SB7	SB8				149		
	SB8	SB9				161		
	SB9	SB10						
	SB1	HEAD 6	19					
	SB1	HEAD 18	15					
	SB2	HEAD 5	19					
	SB2	HEAD 9	19					
	SB3	HEAD 2	38					
	SB3	HEAD 3	19					
	SB3	HEAD 17	15					
	SB3	LUMINAIRE					120	
	SB4	HEAD 11	19					
	SB4	HEAD 16	19					
	SB5	HEAD 15	38					
	SB5	LUMINAIRE					120	
	SB6	HEAD 1	19					
	SB7	HEAD 4	19					
	SB7	HEAD 10	19					
	SB8	HEAD 7	33					
	SB8	HEAD 8	19				120	
	SB8	LUMINAIRE						
	SB9	HEAD 14	19					
	SB9	HEAD 20	15					
	SB10	HEAD 12	53					
	SB10	HEAD 19	15					
	SB10	LUMINAIRE					120	
1197-19-70		ID TOTAL	781	1729	274	1254	480	940

TRAFFIC SIGNALS - FACES

PROJECT NUMBER	SIGNAL HEAD NUMBER	SIGNAL BASE	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
1197-19-70	1	SB6	1		
	2	SB3	1		
	3	SB3	1		
	4	SB7	1		
	5	SB2	1		
	6	SB1	1		
	7	SB8	1		
	8	SB8	1		
	9	SB2	1		
	10	SB7	1		
	11	SB4	1		
	12	SB10	1		
	13	SB9	1		
	14	SB9	1		
	15	SB5	1		
	16	SB4	1		
	17	SB3		1	1
	18	SB1		1	1
	19	SB10		1	1
	20	SB9		1	1
1197-19-70		ID TOTAL	16	4	4

TEMPORARY TRAFFIC SIGNALS

PROJECT NUMBER	LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS
8120-00-72	WIS 48 & WEST AVE	1
	TOTAL	1

TEMPORARY TRAFFIC SIGNALS

PROJECT NUMBER	LOCATION	661.0200.02 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS
1197-19-70	WIS 48 & SB RAMP	1
	TOTAL	1

TEMPORARY TRAFFIC SIGNALS

PROJECT NUMBER	LOCATION	661.0200.03 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS
1197-19-70	WIS 48 & BEAR PAW AVE	1
	TOTAL	1

REMOVING CABLE

PROJECT NUMBER	STAGE	STATION	-	STATION	LOCATION	674.0300 REMOVE CABLE LF
1197-19-70	STAGE 1	15+00		23+00 EXB	RT	800
		23+00		32+75 EXB	LT	975
		34+60		37+50 EXB	LT	290
		12+00		13+60 WA	RT	160
1197-19-70		ID TOTAL				2,225
8120-00-72		ID TOTAL				0
		TOTAL				2,225

ALL PERMANENT SIGNAL ITEMS ID 1197-19-70

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

SAWING PAVEMENT

PROJECT	STAGE	STATION	-	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF
1197-19-70	STAGE 1	221+65 WB		222+20 WB	LT		55
		205+00 WB		209+15 WB	LT	420	
		211+75			LT	10	
		212+30			PE LT	25	
		212+40			LT	10	
		222+40			LT	3	
		26+90 EXEB			LT		2.5
		27+10 EXEB			LT		5
		27+90 EXEB			LT		2.5
		600+30 D		604+90 D	LT/RT	10	120
		301+00 A		301+40 A	RT	5	65
		10+65 TB		15+85 TB	LT/RT	40	
	STAGE 2	105+00		115+00	LT/RT	459	645
		405+50 B			LT/RT		15
		109+00 EB			LT/RT		12
		119+00 EB		129+25 EB	LT/RT		1,190
		130+35 EB		142+00 EB	LT/RT	669	265
		132+22 EB			LT/RT		2.5
		132+75 EB			LT/RT		24
		405+50 B			LT/RT	12	15
		508+00C			RT	10	15
	STAGE 3	205+00 WB		212+25 WB	LT/RT	454	
		222+00WB		240+00WB	LT/RT	392	
		304+00 A			LT/RT	8	15
		238+55 WB			LT/RT		24
		603+25 D			LT/RT	8	15
		708+00 WN			RT		3
	STAGE 4	105+00 EB		109+00 EB	RT	400	
		10+65 TB			5		
		12+35 TB			5		
		15+85 TB			30		
8120-00-72	STAGE 1	708+00 WN			LT	40	2.5
		23+00 EXEB			LT		2.5
		22+35 EXEB			LT		2.5
		700+80 WN			PE RT	40	
		701+80 WN			PE LT	42	
		702+25 WN			PE RT	52	
		703+40 WN			PE LT	70	
	STAGE 2	115+00 EB		117+00 EB	LT		200
		117+25 EB			LT		44
		117+63 EB			LT		44
		117+00 EB		119+00 EB	LT		200
	STAGE 3	705+60 WN		707+50 WN	LT	200	
		707+50 WN			LT/RT	40	
1197-19-70					ID TOTAL	2535	2,490.5
8120-00-72					ID TOTAL	484	495.5
					TOTAL	3019	2,986

*ADDITIONAL QUANTITIES
LISTED ELSEWHERE

RAMP CLOSURE GATES

PROJECT NUMBER	STATION	LOCATION	662.1024.S RAMP CLOSURE GATES 24-FT EACH	662.1028.S RAMP CLOSURE GATES 28-FT EACH	662.1040.S RAMP CLOSURE GATES 40-FT EACH	654.0105* CONCRETE BASES TYPE 5 EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/12-INCH BOLT CIRCLE EACH
1197-19-70	52+28 AWB	LT	1			1	1
	41+50 EBC	RT		1		1	1
	300+98 A	RT			1	1	1
	509+63.8 C	LT			1	1	1
		TOTAL	1	1	2	4	4

*ADDITIONAL QUANTITIES
LISTED ELSEWHERE

SALVAGE RAMP GATE ASSEMBLIES

PROJECT NUMBER	STAGE	STATION	LOCATION	SPV.0060.02 SALVAGE RAMP GATE ASSEMBLIES EACH
1197-19-70	STAGE 1	27+15 EXEB	RT	1
		34+90 EXEB	LT	1
		TOTAL		2

TEMPORARY PIPE CONNECT

PROJECT NUMBER	STAGE	STRUCTURE	SPV.0060.04 TEMPORARY PIPE CONNECT EACH
1197-19-70	STAGE 2	702	1
	STAGE 2	903	1
8120-00-72	STAGE 1	TP1	1
	STAGE 3	201	1
1197-19-70		TOTAL	2
8120-00-72		TOTAL	2
		ID TOTAL	4

UTILITY LINE OPENING

PROJECT NUMBER	STATION	LOCATION	SPV.0060.03 UTILITY LINE OPENING (ULO) EACH
1197-19-70	UNDIST		10
8120-00-72	UNDIST		5
1197-19-70		ID TOTAL	10
8120-00-72		ID TOTAL	5
		TOTAL	15

STOCKPILE MARSH EXCAVATION

PROJECT	LOCATION	SPV.0035.01 STOCKPILE MARSH EXCAVATION CY
1197-19-70	TEMP RAMP B	400
8120-00-72		0
	TOTAL	400

CONCRETE CRACK MITIGATION AND REPAIR

PROJECT NUMBER		SPV.0105.10 PROJECT CONCRETE CRACK MITIGATION AND REPAIR LS	SPV.0105.13 PROJECT CONCRETE CRACK MITIGATION AND REPAIR LS
1197-19-70		1	
8120-00-72			1
1197-19-70	ID TOTAL	1	0
8120-00-72	ID TOTAL	0	1
	TOTAL	1	1

EMERGENCY VEHICLE PREEMPTION SYSTEM

PROJECT NUMBER		SPV.0105.11 EMERGENCY VEHICLE PREEMPTION SYSTEM WIS 48 & BEARPAW AVE LS
1197-19-70		1
	TOTAL	1

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

TRANSPORTATION PROJECT PLAT NO: 8120-00-22-4.01 AMENDMENT NO. 1 ADDS PARCEL 1A, AMENDS PARCEL 5 AND REVISES UTILITY INTERESTS & UTILITY EASEMENT TABLE OF TRANSPORTATION PROJECT PLAT 8120-00-22-4.01 RECORDED AS DOCUMENT NO: 843243

C RICE LAKE, WEST KNAPP STREET (WEST AVENUE INTERSECTION)

PART OF THE SE 1/4 OF THE SE 1/4, SECTION 18, TOWN OF RICE LAKE, PART OF LOT 3, CSM 3983, V 28, P 18, LOCATED IN THE SW 1/4 OF THE SW 1/4, SECTION 17, PART OF LOT 1, CSM 172, V 2, P 125, PART OF LOT 1, CSM 1722, V 12, P 140, PART OF PARCEL 1, CSM 1038, V8, P119, PART OF LOT 1, CSM 5611, V 38, P 059, LOCATED IN THE NE 1/4 OF THE NE 1/4, SECTION 19, PART OF THE NW 1/4 OF THE NW 1/4, SECTION 20, CITY OF RICE LAKE, ALL IN TOWNSHIP 35 NORTH, RANGE 11 WEST, BARRON COUNTY, WISCONSIN.

RELOCATION ORDER WIS 48, BARRON COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESINATED 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 NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 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 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 SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
1	RICHARD & KATHRYN COLLINS TRUST	FEE,TLE	2,700	6,145	8,845	1,595
1A	RICHARD & KATHRYN COLLINS TRUST	TLE	-	-	-	665
2	RICE LAKE FARMERS UNION COOPERATIVE	FEE,TLE	2,835	6,160	8,995	2,185
3	BLAKE E. MARSH	TLE	-	-	-	1,490
4	STORE MASTER FUNDING XII, LLC.	TLE	-	-	-	895
5	DON JOHNSON MOTORS INC.	FEE,TLE	1,510	-	1,510	4,260
6	STATE OF WISCONSIN	FEE,TLE	1,470	-	1,470	4,430

Document Number: 853441
MARGO KATTERHAGEN
Barron County, Wisconsin
Register of Deeds
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8120-00-22-4.01
AMENDMENT NO. 1

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
50	CENTURYLINK	RELEASE OF RIGHTS
51	BARRON ELECTRIC COOPERATIVE	RELEASE OF RIGHTS
52	WE ENERGIES (GAS)	RELEASE OF RIGHTS
53	MOSAIC TELECOM	RELEASE OF RIGHTS
54	CITY OF RICE LAKE (SEWER & WATER)	RELEASE OF RIGHTS
55	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
935	137215.703	327776.543	1" IRON PIPE
939	137225.191	327413.482	3/4" IRON ROD
942	137016.833	327343.101	3/4" IRON ROD
943	137021.638	327165.614	3/4" IRON ROD
944	137052.685	327043.012	3/4" IRON ROD
945	137091.472	326842.429	1" IRON PIPE BENT
948	137089.651	326897.198	MAG NAIL

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
867	308	N 87° 36' 5" W	686.80'
308	118	N 02° 58' 34" E	40.90'
118	119	S 88° 20' 21" E	177.15'
119	120	N 64° 56' 48" E	109.71'
120	99	S 88° 27' 32" E	333.40'
99	100	N 23° 41' 08" E	59.46'
100	101	N 12° 42' 46" E	98.07'
101	114	N 00° 56' 28" E	34.82'
114	303	S 89° 06' 08" E	33.00'
303	102	S 89° 06' 08" E	33.00'
102	103	S 05° 54' 35" E	40.38'
103	104	S 01° 18' 32" W	47.46'
104	105	S 20° 33' 21" E	67.58'
105	106	S 29° 18' 43" E	42.37'
106	123	S 88° 38' 23" E	312.84'
123	307	S 01° 21' 37" W	100.00'
307	867	N 88° 38' 23" W	395.74'

COURSE TABLE - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
866	308	S 87° 36' 05" E	1968.90'
308	867	S 87° 36' 05" E	686.80'
867	312	S 88° 38' 23" E	390.68'
312	307	S 88° 38' 23" E	5.05'
307	868	S 88° 38' 23" E	2215.24'

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
50	1,1A	DOC 210629,292602	WI TELEPHONE COMPANY
50	1,1A	DOC 391393,412533,374273	GENERAL TEL CO OF WI
50	1,1A	DOC 602675,634808	TELEPHONE USA OF WISCONSIN
51	1,1A	DOC 547638,552124,632110	BARRON ELECTRIC COOPERATIVE
53	1A	NO RECORD OF EASEMENT	
55	1A	NO RECORD OF EASEMENT	
50	2	DOC 374272	GENERAL TELEPHONE COMPANY OF WI
50	2	DOC 292028	WI TELEPHONE COMPANY
53	2	NO RECORD OF EASEMENT	
54	2	DOC 603459	CITY OF RICE LAKE (SEWER & WATER)
50	3	NO RECORD OF EASEMENT	
50	4	DOC 481289,412544	GENERAL TELEPHONE COMPANY
54	4	NO RECORD OF EASEMENT (SEWER & WATER)	
50	5	NO RECORD OF EASEMENT	
51	5	DOC 244374,608191	BARRON ELECTRIC COOPERATIVE
52	5	NO RECORD OF EASEMENT	
54	5	NO RECORD OF EASEMENT (SEWER)	
50	6	DOC 374280,375524,445215	GENERAL TELEPHONE CO OF WI

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
867	312	S 88° 38' 23" E	390.68'
312	115	S 01° 21' 37" W	150.00'
115	107	N 88° 38' 23" W	351.25'
107	108	S 01° 18' 08" W	187.99'
108	109	S 18° 26' 25" W	26.45'
109	301	N 88° 27' 45" W	33.00'
301	110	N 88° 27' 45" W	33.00'
110	111	N 10° 18' 32" W	25.86'
111	112	N 01° 56' 51" E	164.33'
112	121	N 15° 46' 23" W	22.32'
121	122	N 01° 16' 31" E	31.72'
122	113	N 39° 29' 28" W	13.82'
113	116	N 88° 27' 32" W	157.46'
116	948	N 75° 46' 5" W	276.88'
948	117	N 88° 20' 21" W	207.62'
117	308	N 02° 58' 34" E	59.13'
308	867	S 87° 36' 05" E	686.80'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
USH 53	R/W PLAT 1197-5-21	1971
WIS 48	R/W PLAT S 0162 (4)	1949

COURSE TABLE - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
909	301	N 01° 32' 26" E	2250.82'
301	867	N 01° 32' 26" E	363.18'
867	303	N 00° 56' 28" E	286.40'
303	817	N 00° 56' 28" E	2336.97'

PI = 701+50.05WN
Y = 136803.079
X = 327365.931
Δ = 2°48'49" RT
D = 9°32'57"
T = 14.74'
L = 29.47'
R = 600.00'
PC = 701+35.31WN
PT = 701+64.78WN

PI = 702+59.04WN
Y = 136911.766
X = 327374.201
Δ = 8°26'19" LT
D = 9°32'57"
T = 44.26'
L = 88.37'
R = 600.00'
PC = 702+14.78WN
PT = 703+03.15WN

PI = 703+90.42WN
Y = 137042.973
X = 327364.825
Δ = 53°35'40" RT
D = 58°27'54"
T = 49.50'
L = 91.67'
R = 98.00'
PC = 703+40.93WN
PT = 704+32.60WN

PI = 704+99.92WN
Y = 137118.833
X = 327453.669
Δ = 72°09'56" LT
D = 98°47'09"
T = 42.27'
L = 73.05'
R = 58.00'
PC = 704+57.66WN
PT = 705+30.71WN

PI = 707+11.36WN
Y = 137329.699
X = 327382.610
Δ = 16°33'24" RT
D = 10°05'14"
T = 82.64'
L = 164.13'
R = 568.00'
PC = 706+28.72WN
PT = 707+92.85WN

FOUND SURVEY MARKER NAIL 866
Y= 137,237.123
X= 324,725.557

FOUND SURVEY MARKER NAIL 909
Y= 134,512.929
X= 327,308.656

FOUND 2" ALUMINUM CAP 867
Y= 137,125.975
X= 327,378.927

FOUND SURVEY MARKER NAIL 817
Y= 139,748.987
X= 327,422.021

FOUND BERNTSEN NAIL 868
Y= 137,063.997
X= 329,989.172

PI 709+84.20WN
Y= 137603.653
X= 327386.903

PI 700+00.00WN
Y= 136653.086
X= 327361.905

117+80.43EB STH 48 EB = 704+48.61WN WEST AVE.
Y = 137085.532
X = 327414.645

WARRANTY DEED DOC 601900

WARRANTY DEED DOC 543897

SPECIAL WARRANTY DEED DOC 824799

SPECIAL WARRANTY DEED DOC 830756

HIGHWAY CONVEYANCE DOC 390422

CORPORATE DEED DOC 593505

LOT 1 CSM 172 V 2, P 125

LOT 1 CSM 1722 V 12, P 140

LOT 1 CSM 5611 V 38, P 059

PARCEL 1 CSM 1038 V 8, P 119

LOT 3 CSM 3983 V 28, P 18

ACCESS CONTROL
PARCEL 2 & 6: R/W PLAT 1197-5-21

PARCEL 1 TLE FOR SLOPES 1595 SF

PARCEL 1A TLE FOR SLOPES 665 SF

PARCEL 2 TLE FOR SLOPES 2185 SF

PARCEL 3 TLE FOR SLOPES 1490 SF

PARCEL 4 TLE FOR SLOPES 895 SF

PARCEL 5 TLE FOR SLOPES 4260 SF

PARCEL 6 TLE FOR SLOPES 4430 SF

SLOPE INTERCEPT

SECTION LINE

TOWN OF RICE LAKE

CITY OF RICE LAKE

SE-SE SECTION 18

NE-NE SECTION 19

SW-SW SECTION 17

NW-NW SECTION 20

19TH AVE/WEST AVE

19TH ST/WEST AVE

WIS 48

USH 53 SB ON RAMP

DETAIL NOT TO SCALE

LOCATION SKETCH NOT TO SCALE

SHEET LOCATION

T 35 N

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN BARRON COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 843243.

I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 4/15/19
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

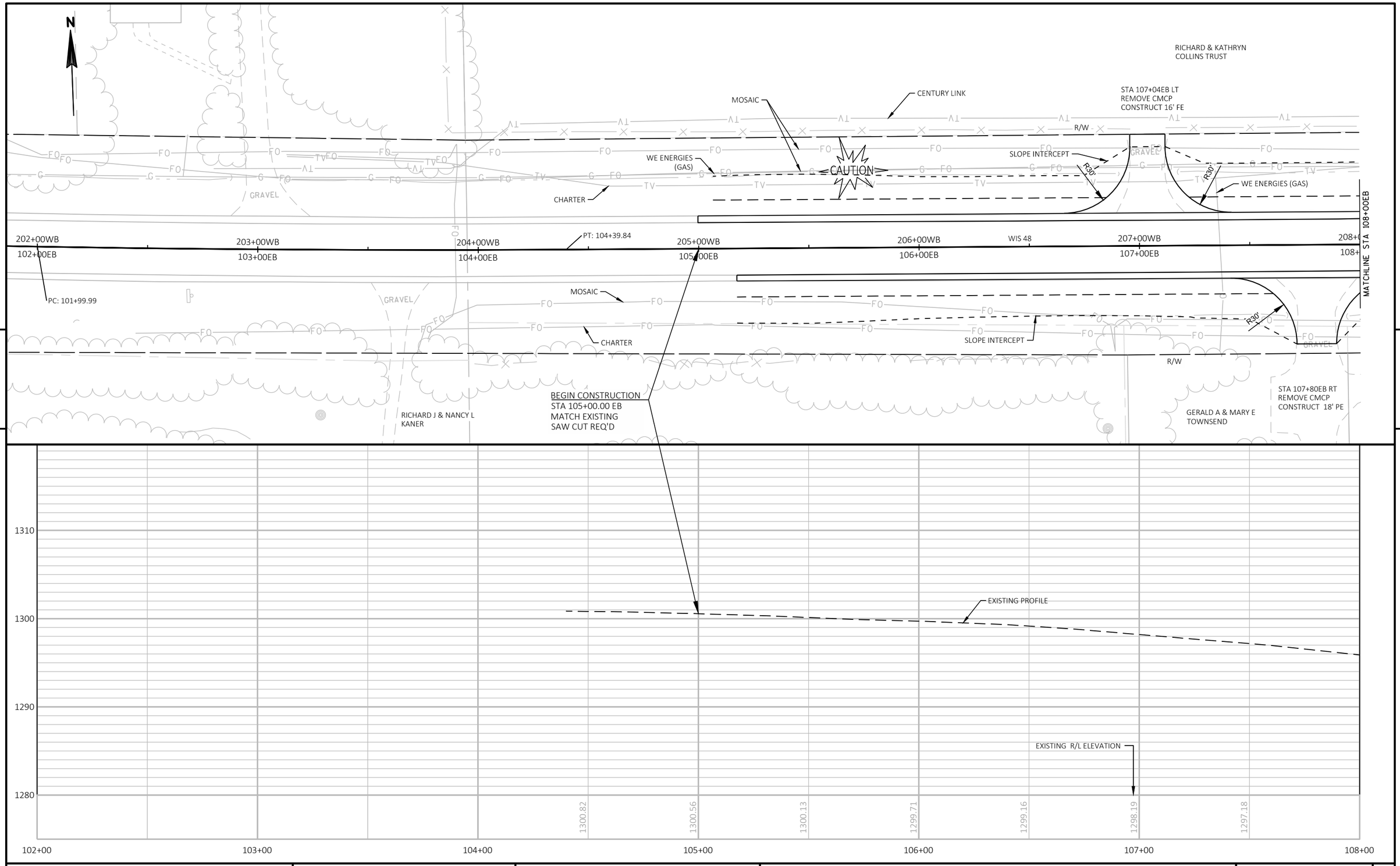
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 4/15/19
PRINT NAME: DEBRA B. STENSLAND

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

cbs² 770 TECHNOLOGY WAY CHIPPEWA FALLS, WI 54729

FILE NAME : P:\MEADH\16001 - USH 53 & STH 48\C3D\RW\81200022_4.01-RP.DWG PLOT DATE : 4/23/2019 3:57 PM
APPRAISAL PLAT DATE : 4/15/19



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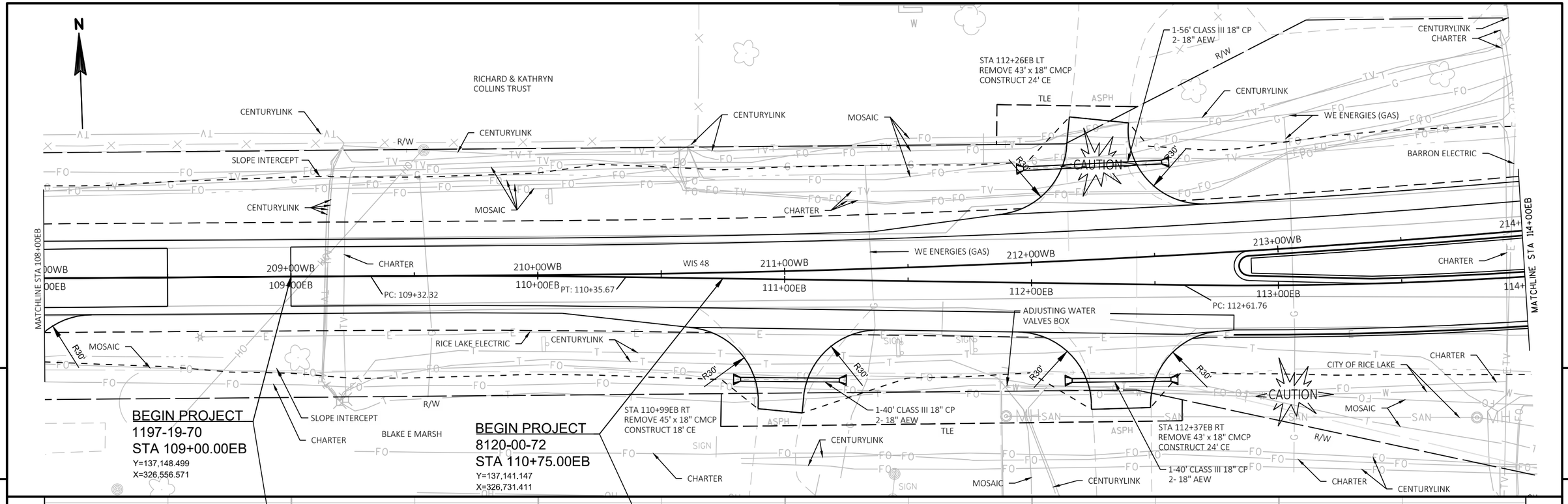
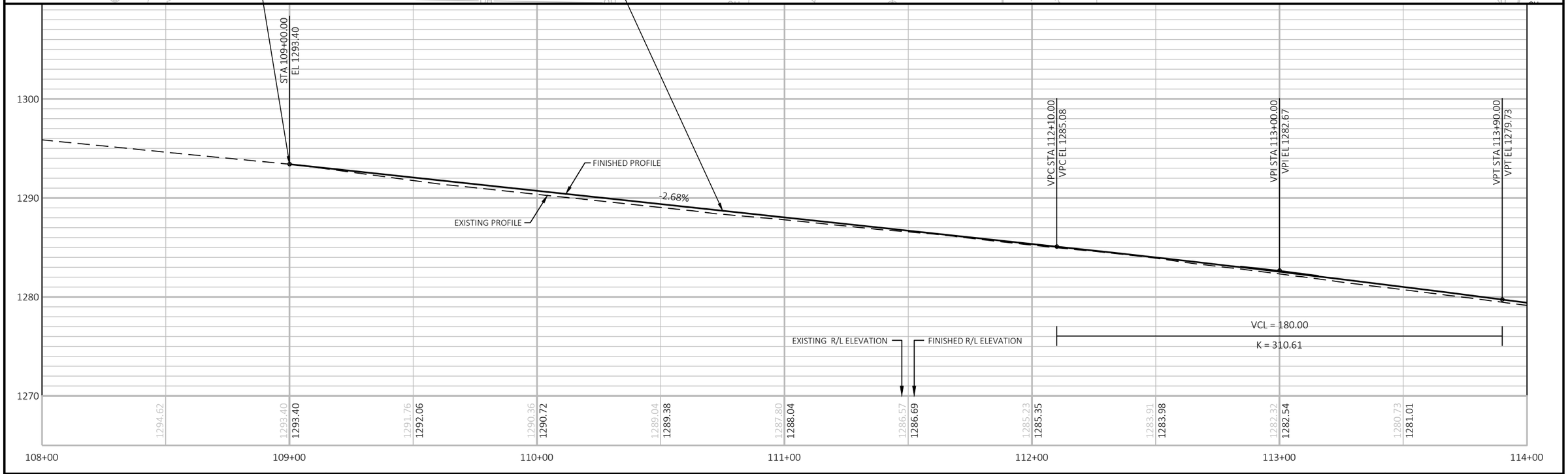
5

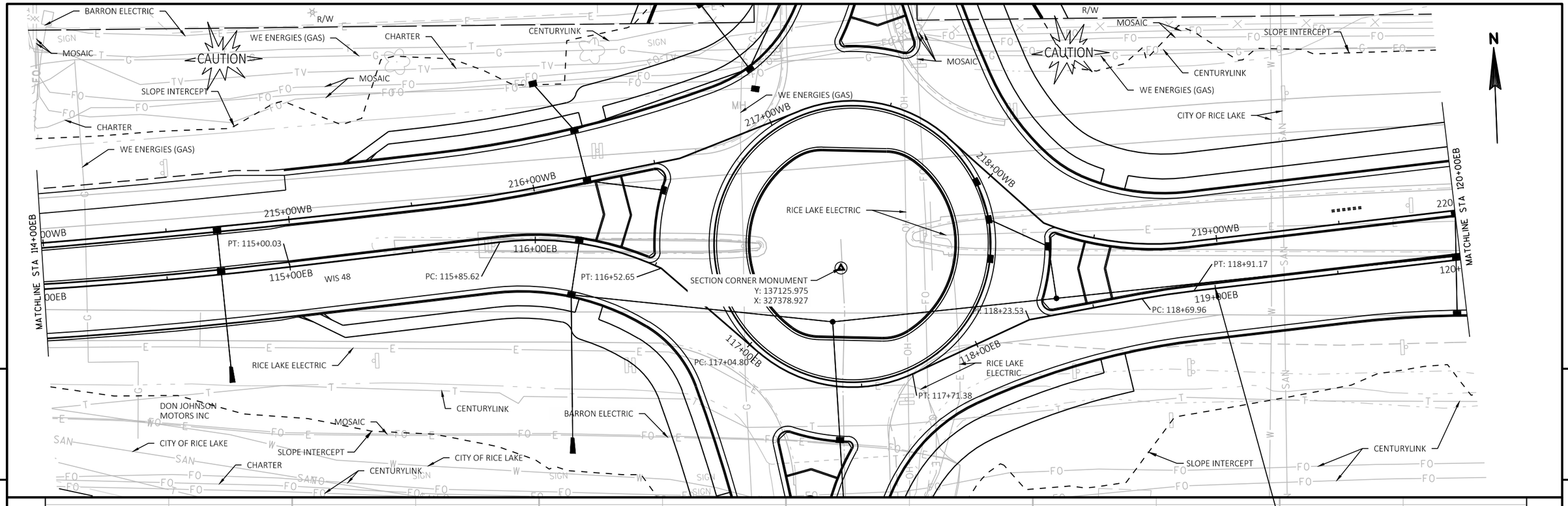
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 328	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050100_pp
PLOT DATE : 7/24/2019 1:09 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 44



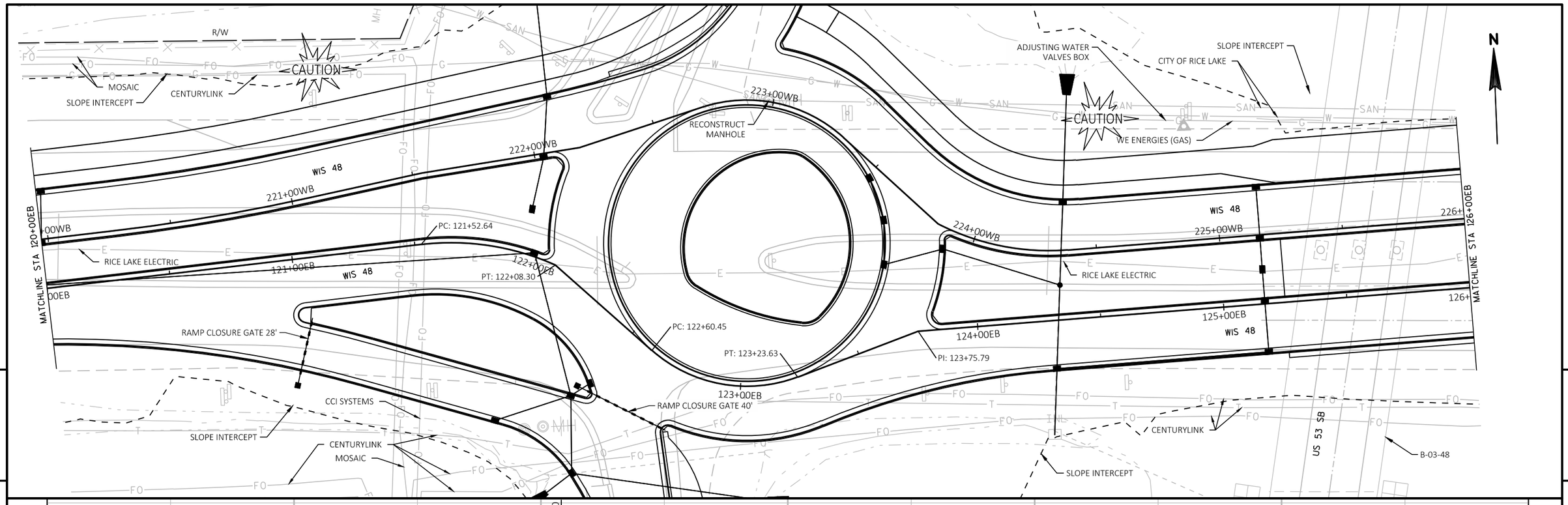


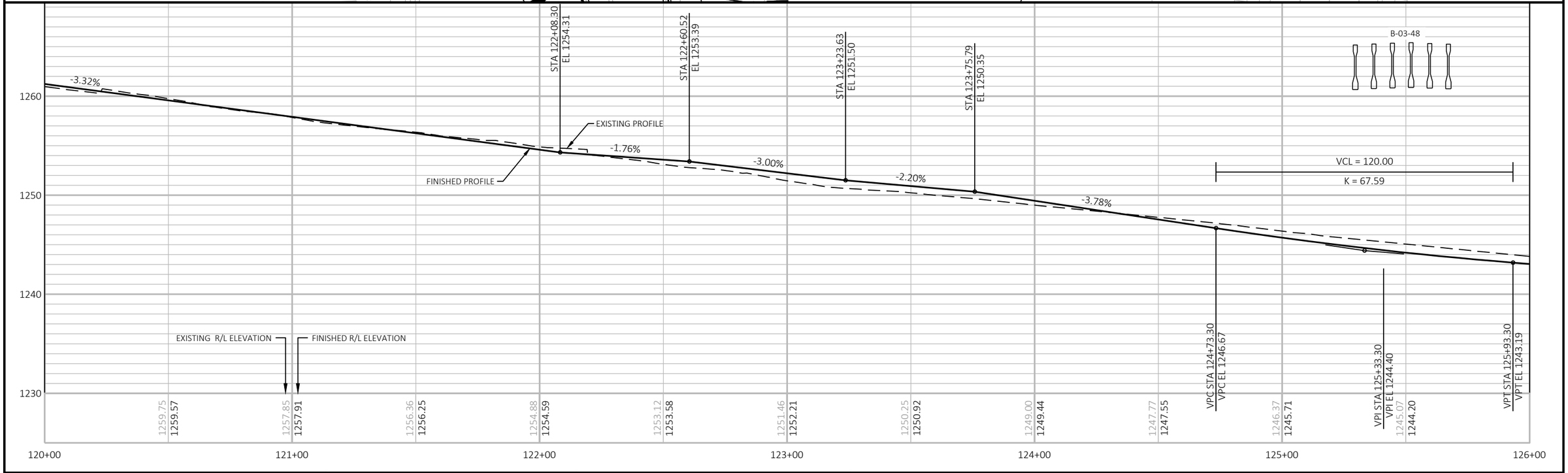
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 329	E



PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 330	E

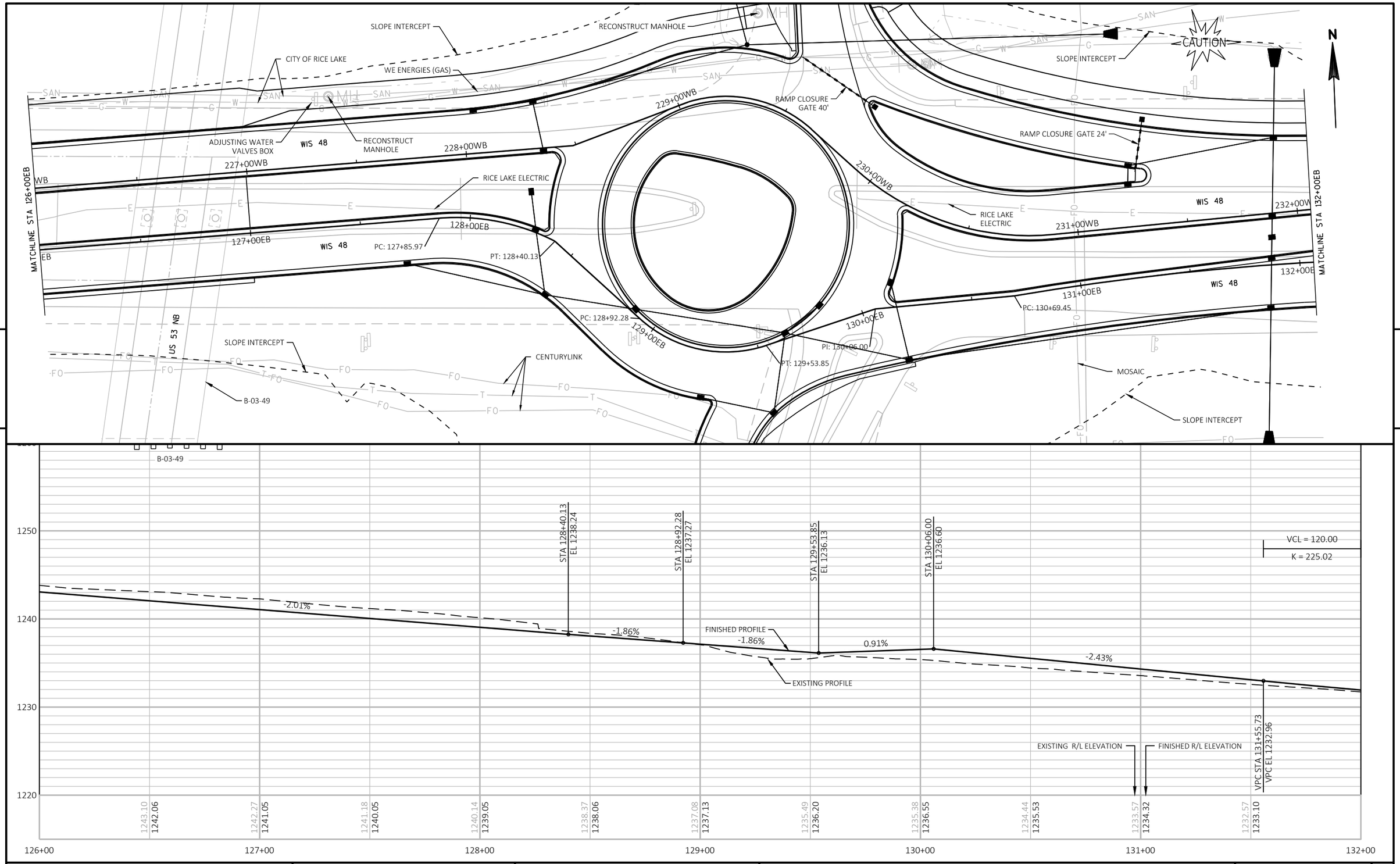
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050102_pp
PLOT DATE : 7/24/2019 1:09 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 44





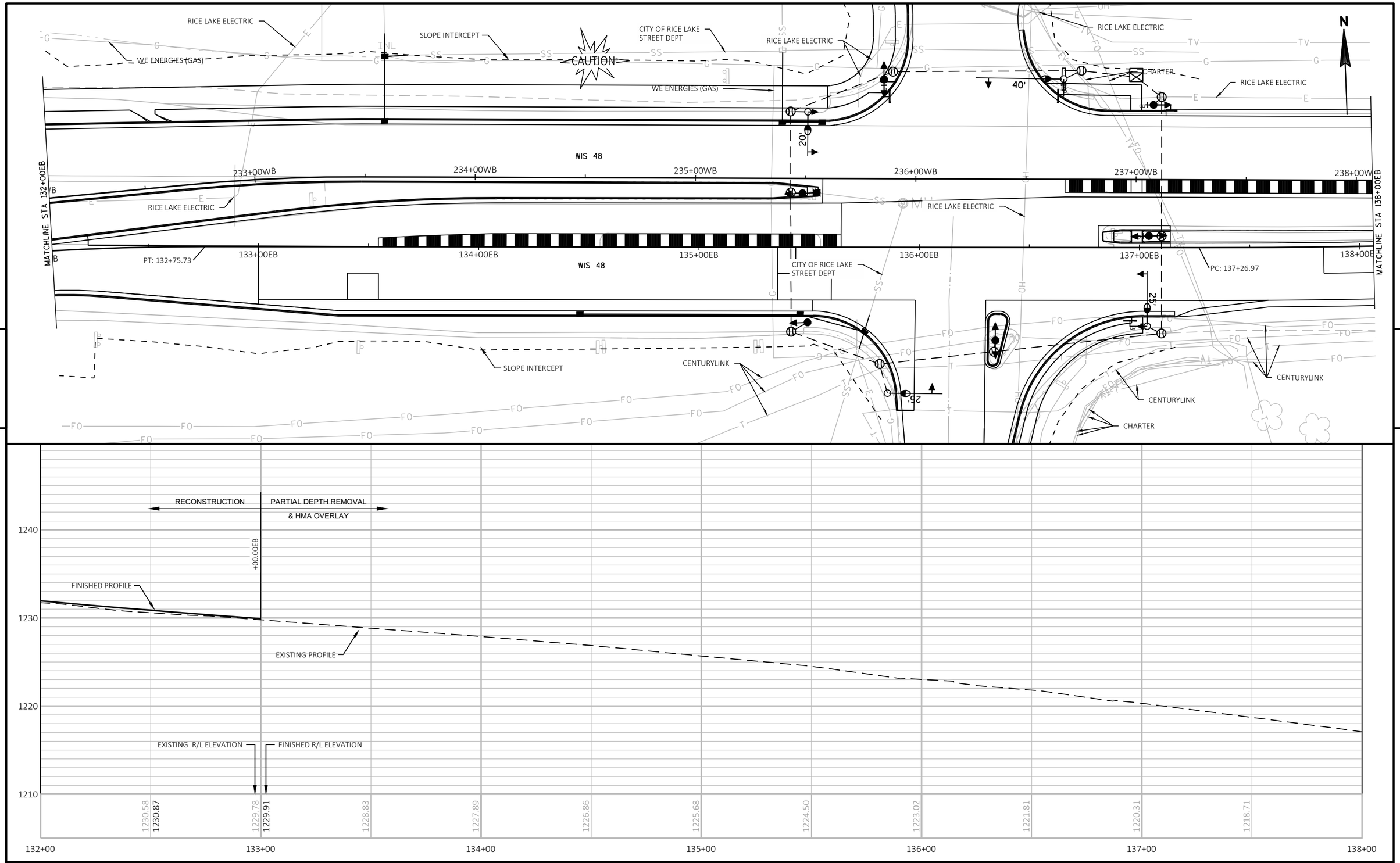
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 331	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050103_pp
PLOT DATE : 7/24/2019 1:10 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 332	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050104_pp
PLOT DATE : 7/24/2019 1:10 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 44

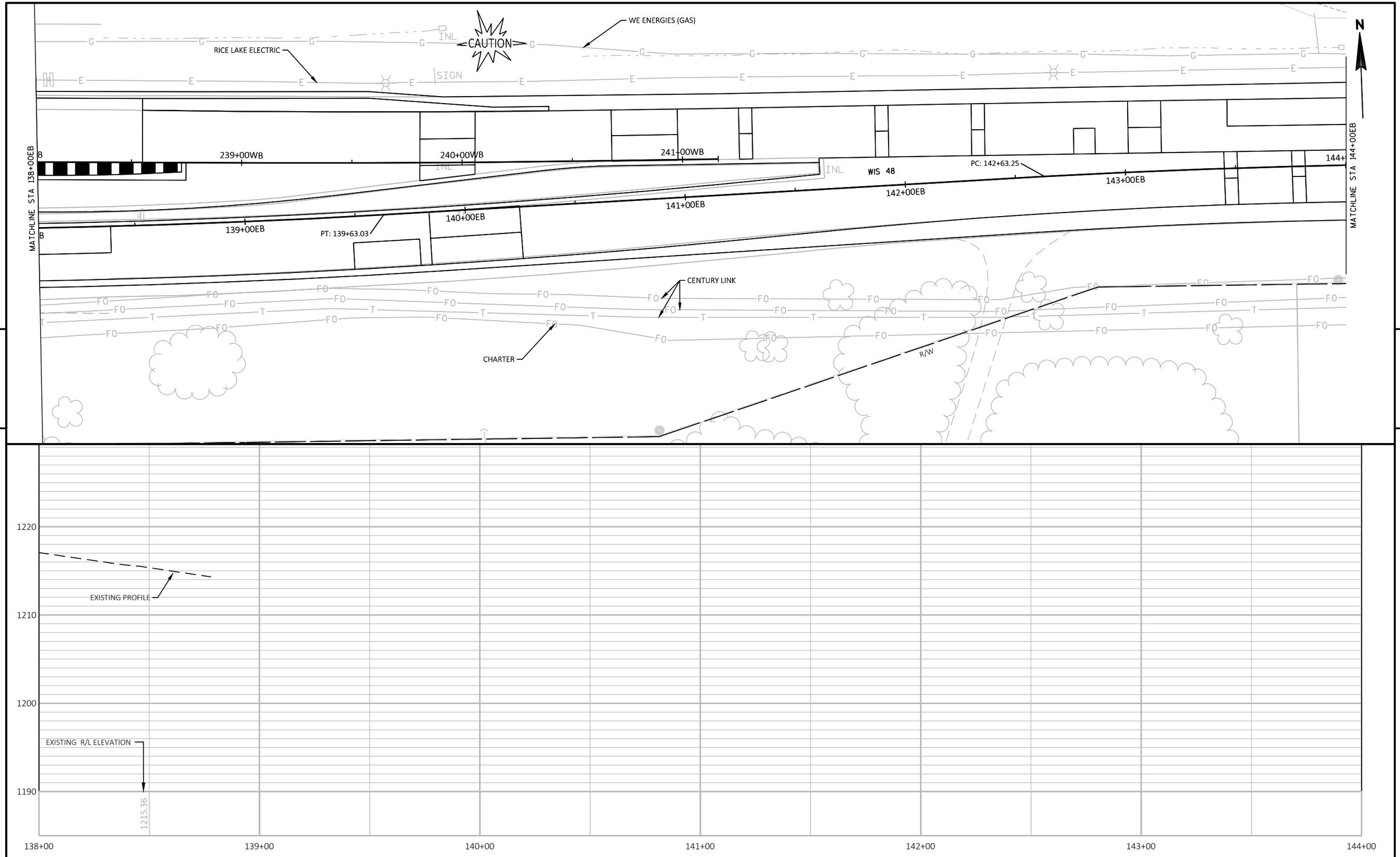


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 333	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050105_pp

PLOT DATE : 10/8/2019 12:57 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1"=40'_XREF

WISDOT/CADDS SHEET 44

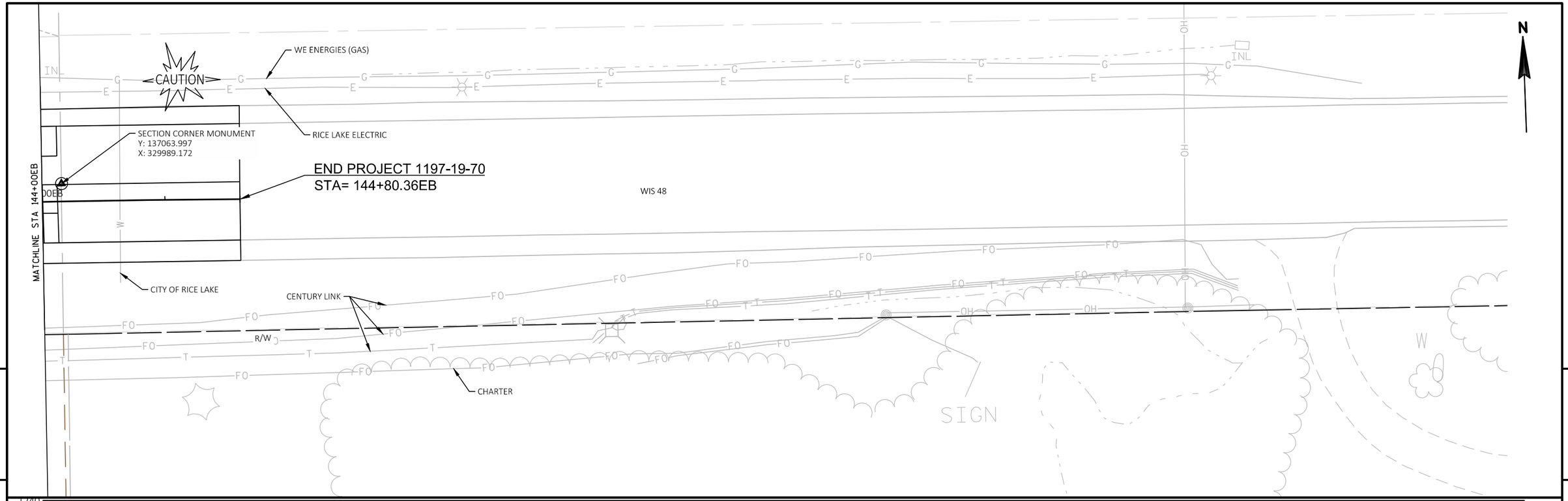


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 334	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050106_pp

PLOT DATE : 7/24/2019 1:10 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1:40_XREF

WISDOT/CADDS SHEET 44



5

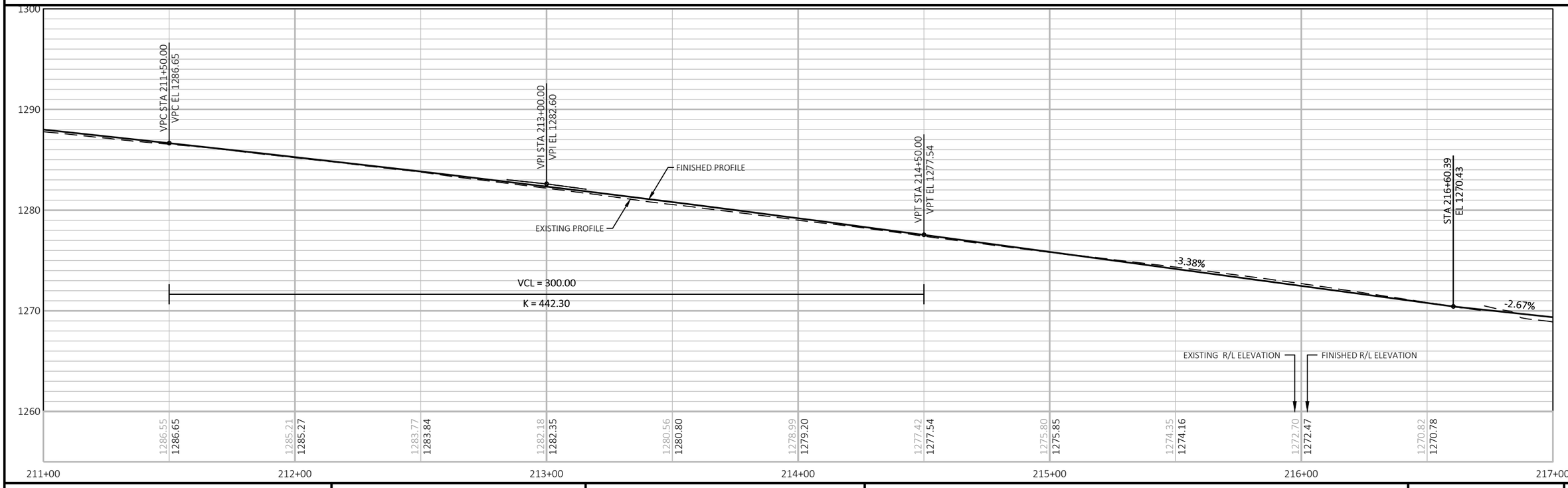
5

1240
1230
1220
1210
1200

144+00 145+00 146+00 147+00 148+00 149+00 150+00

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48	SHEET 335	E

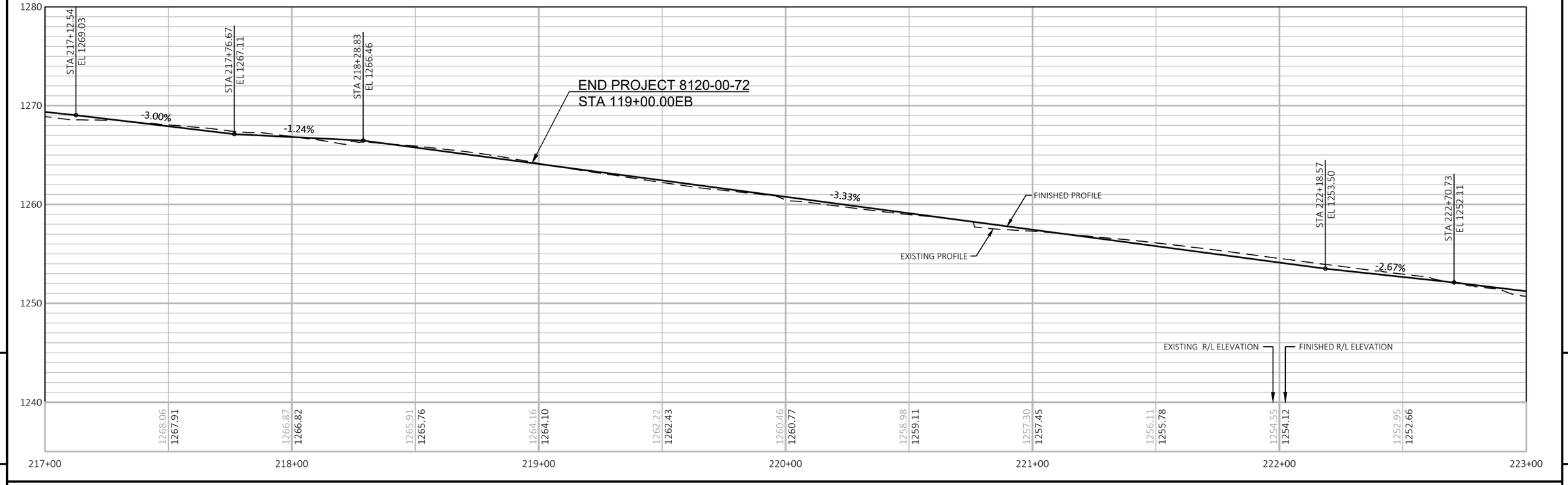
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050107_pp
PLOT DATE : 7/24/2019 1:10 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 44

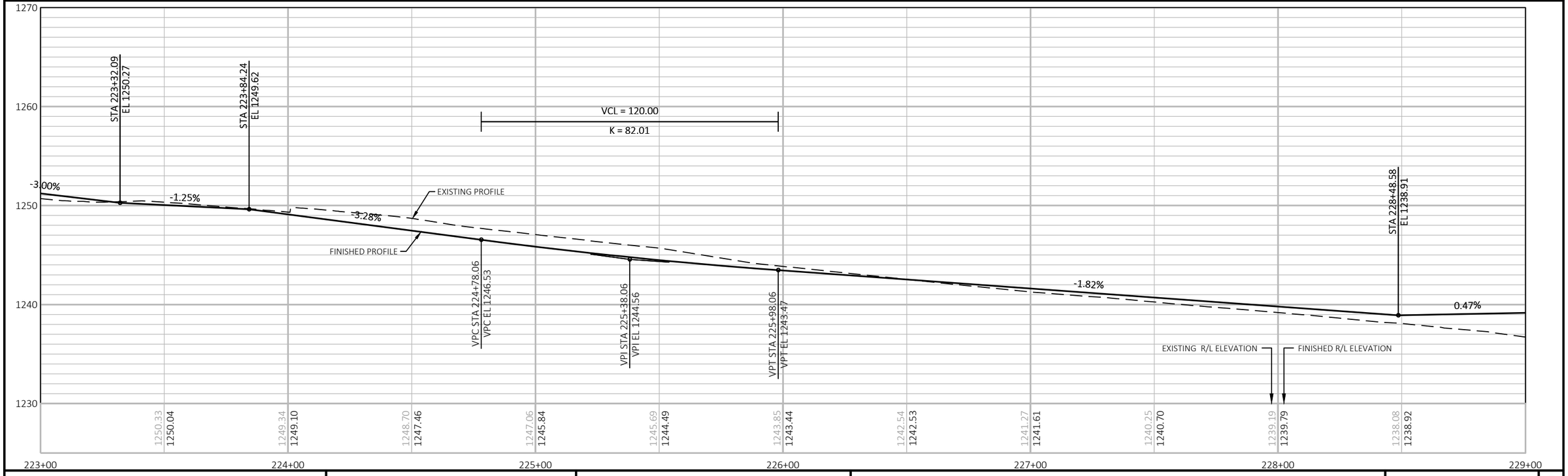


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WIS 48 WB	SHEET 336	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050108_pp

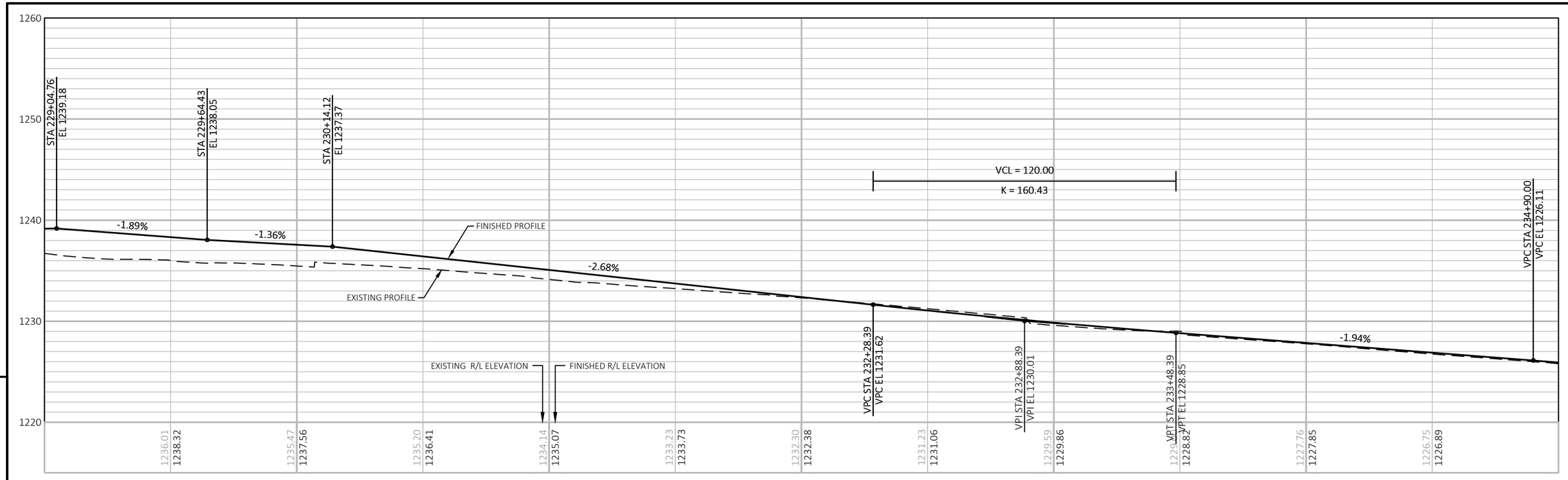
PLOT DATE : 7/25/2019 10:50 AM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1"=40'_XREF

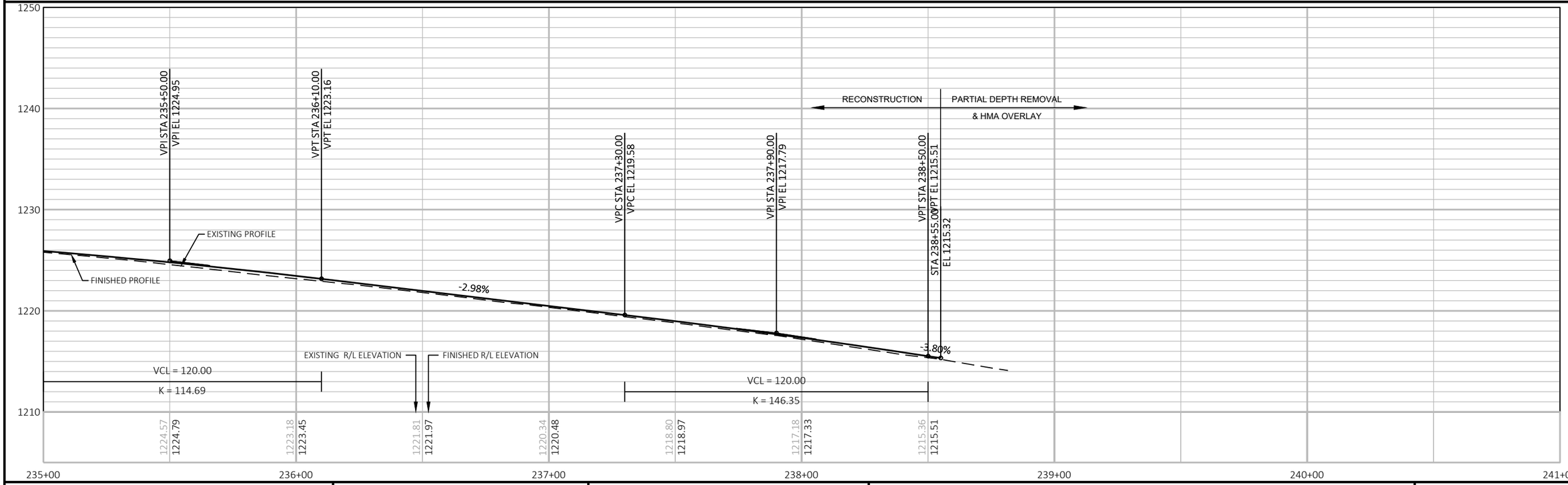




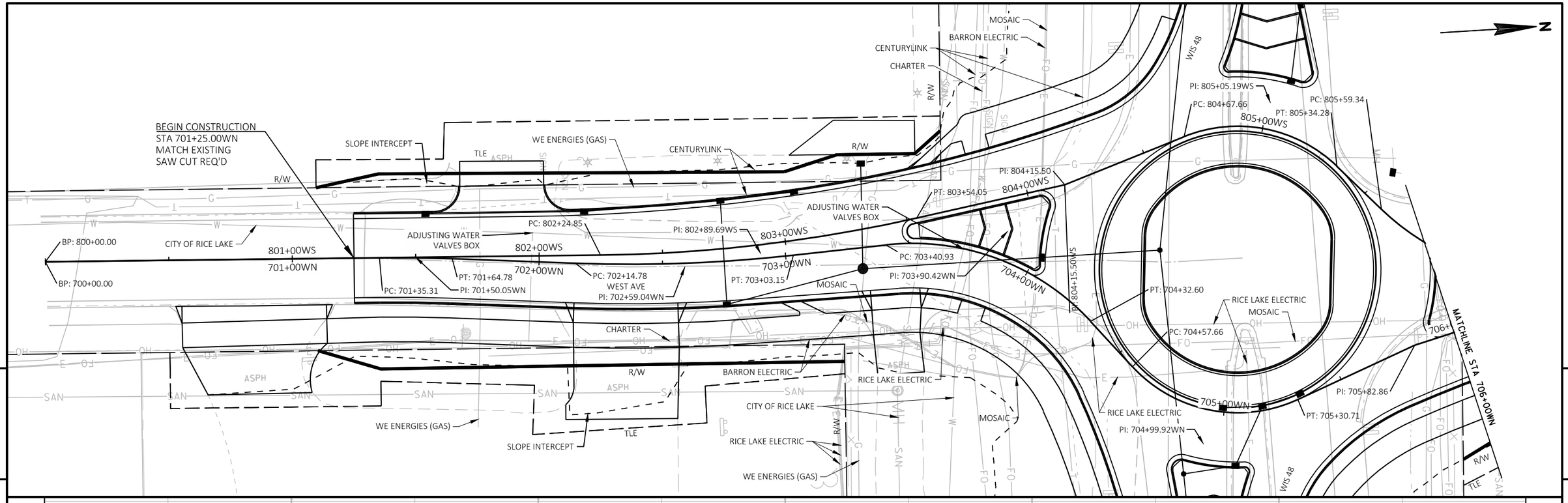
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WIS 48 WB	SHEET 337	E

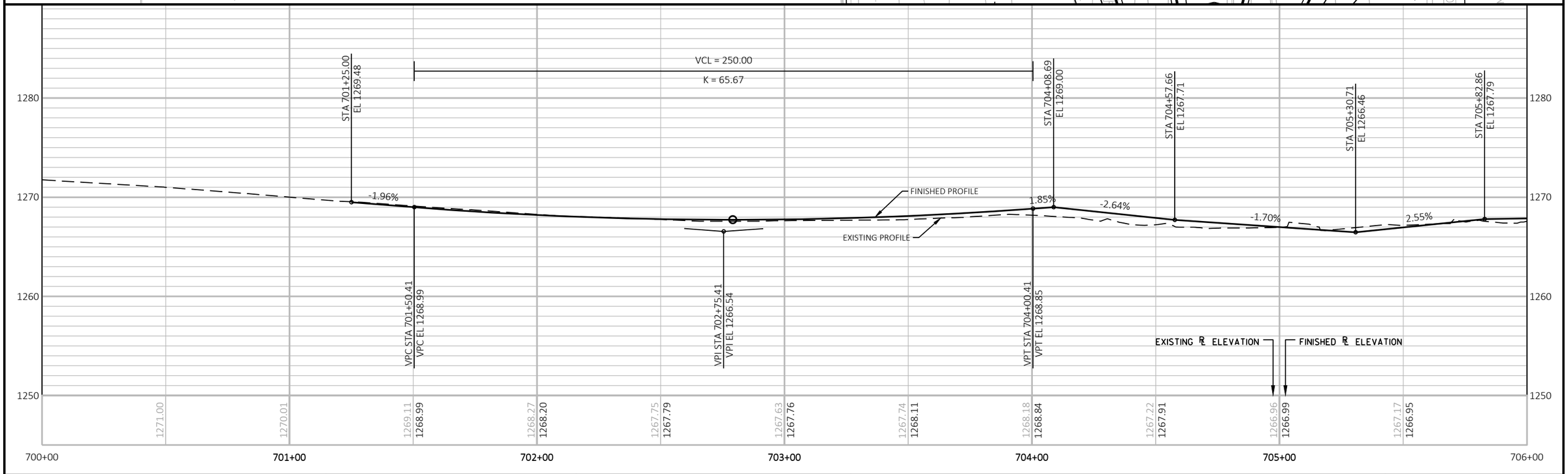
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050109_pp
PLOT DATE : 7/25/2019 10:50 AM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1"=40'_XREF
WISDOT/CADDS SHEET 44





PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: WIS 48 WB	SHEET 338	E



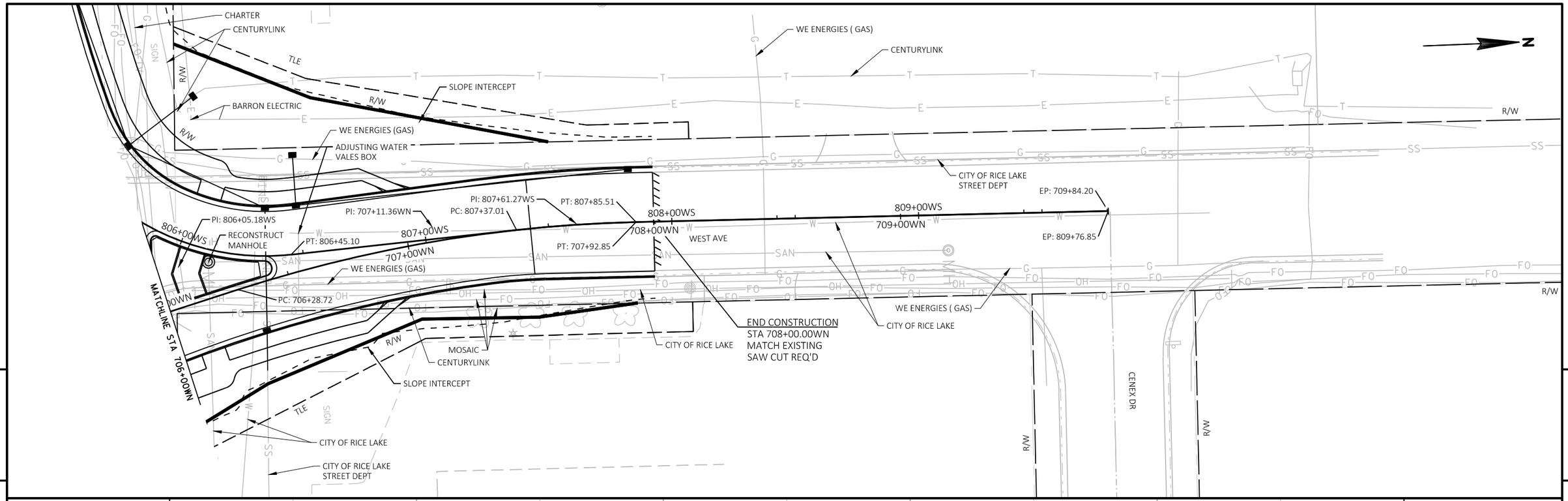


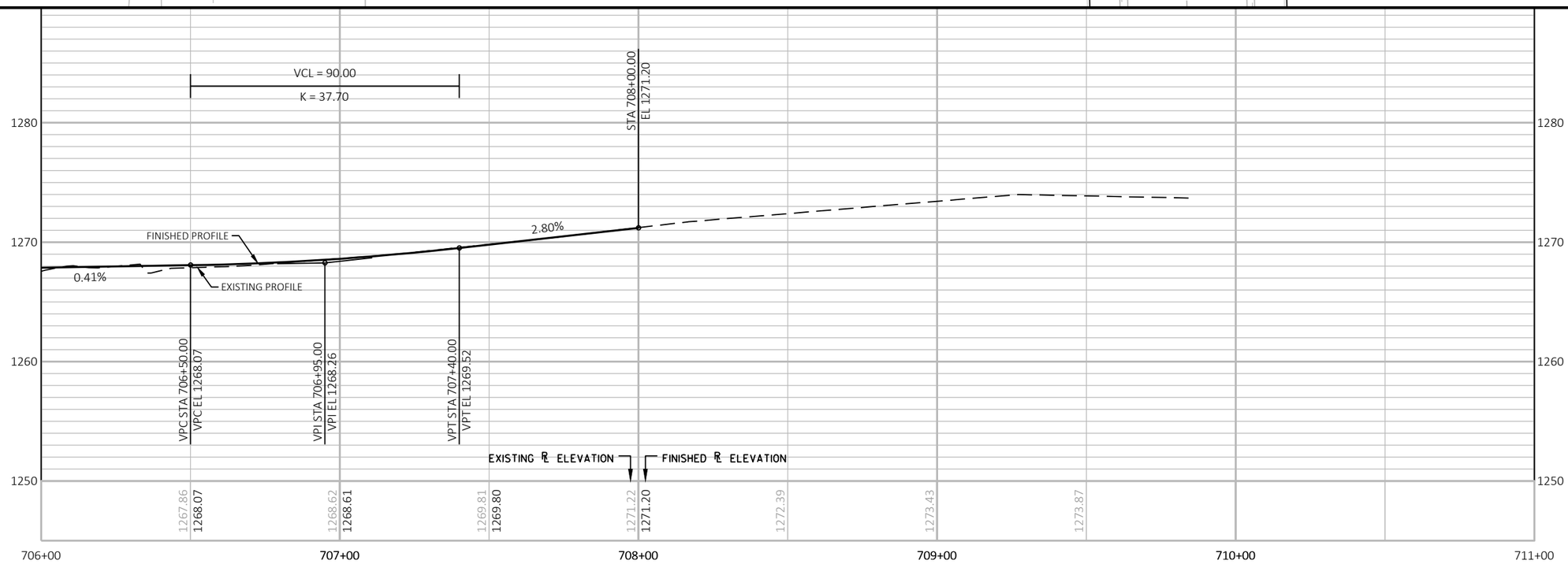
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WEST AVE - WN	SHEET 339	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\111971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050107_pp-Side Rds

PLOT DATE : 7/24/2019 1:12 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF

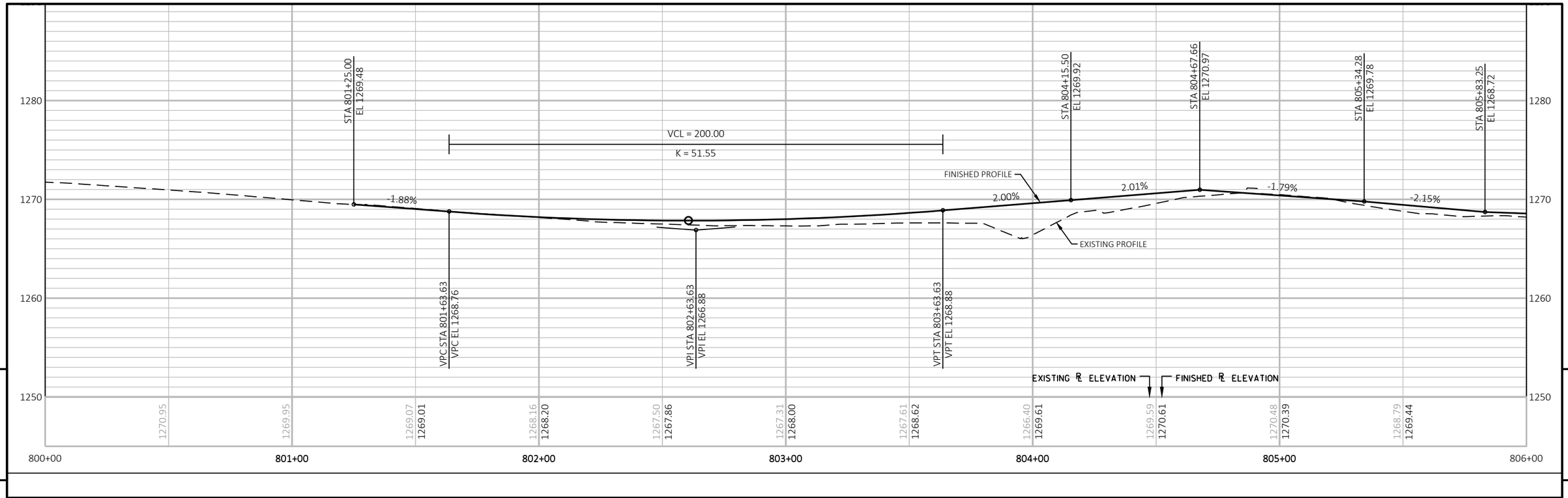
WISDOT/CADDS SHEET 44

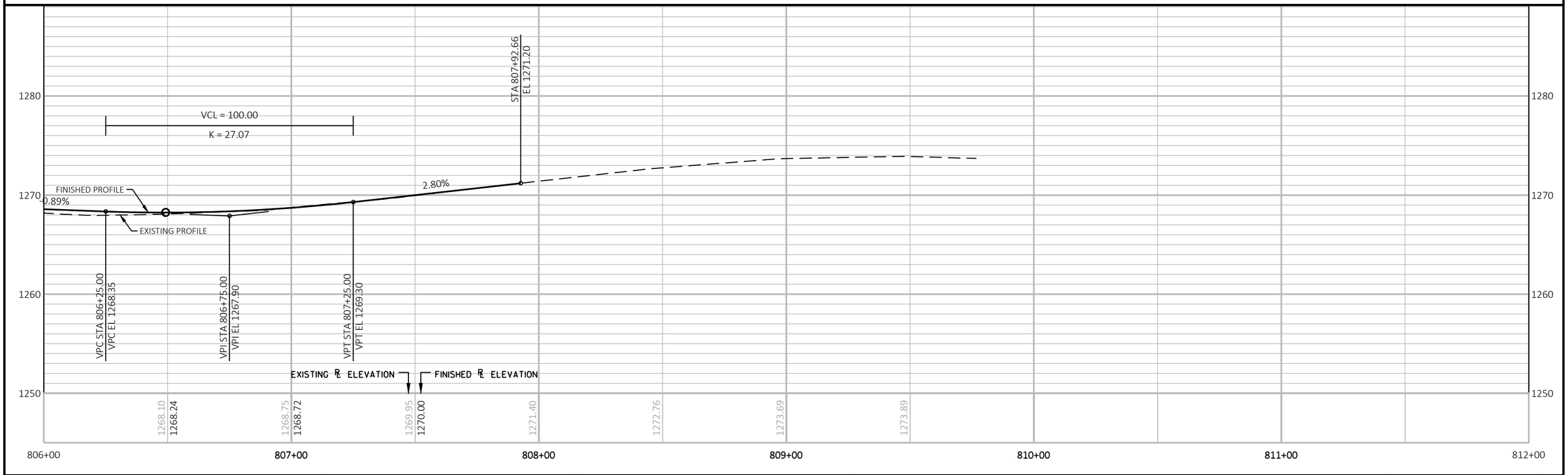




PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WEST AVE - WN	SHEET 340	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050108_pp-Side Rds
PLOT DATE : 7/24/2019 1:12 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF



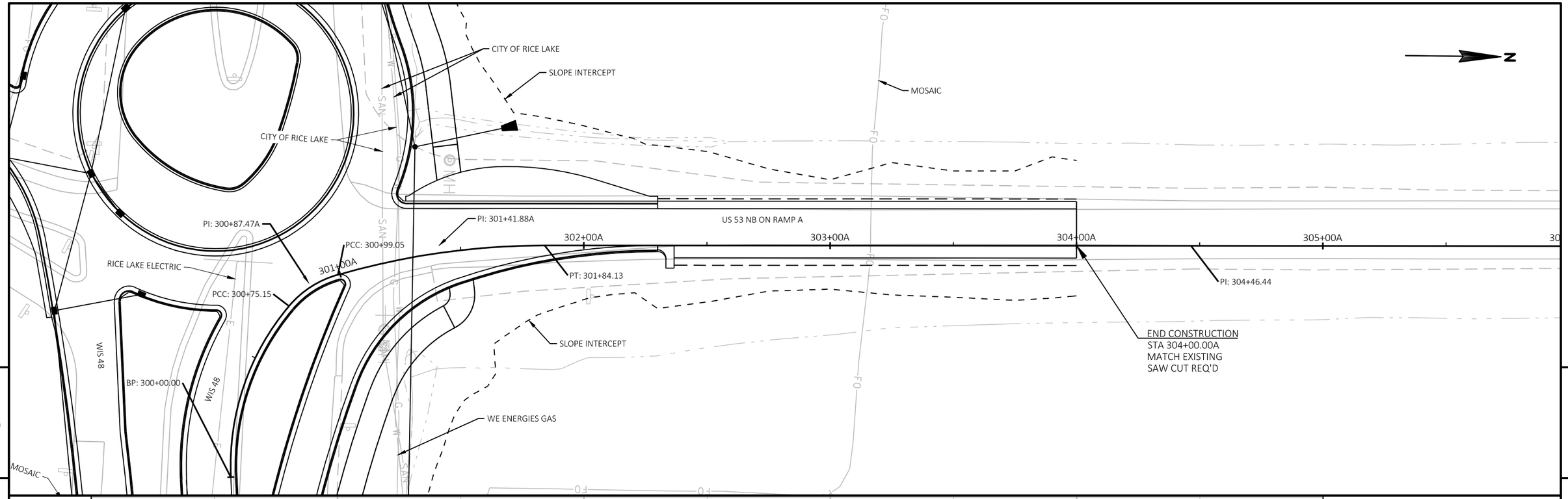


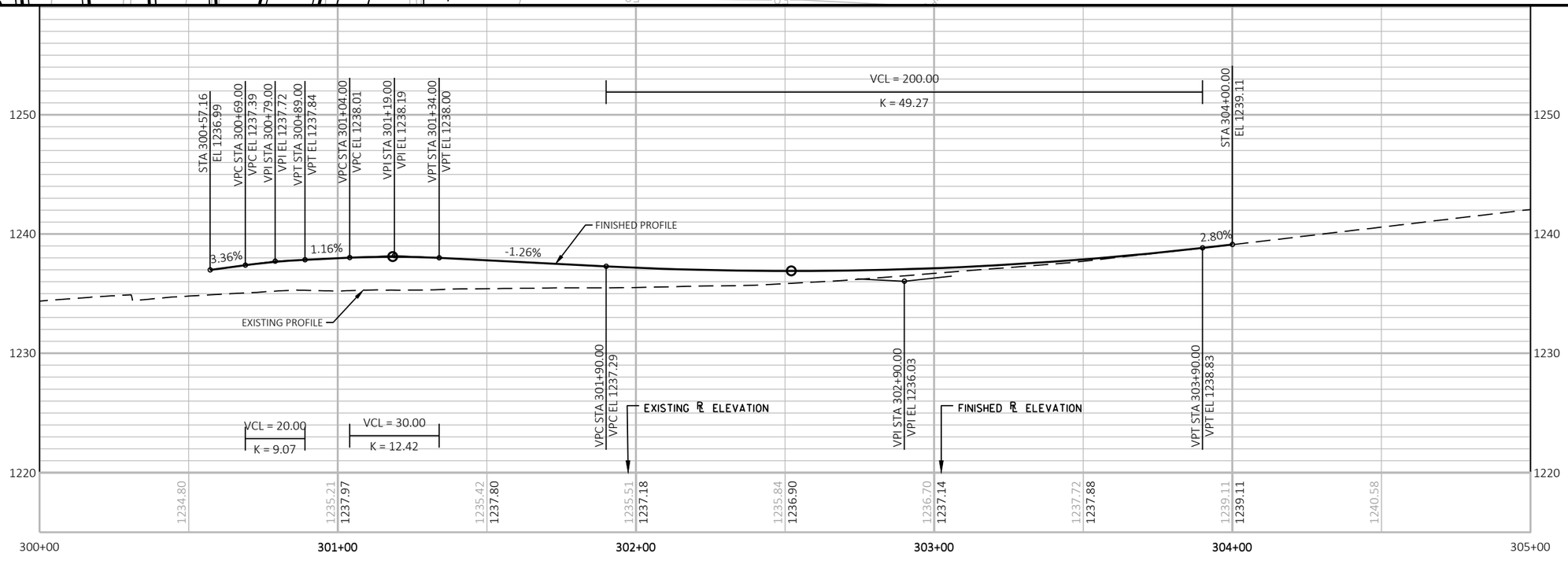
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	PLAN AND PROFILE: WEST AVE - WS	SHEET 341	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050109_pp-Side Rds

PLOT DATE : 7/24/2019 1:13 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF

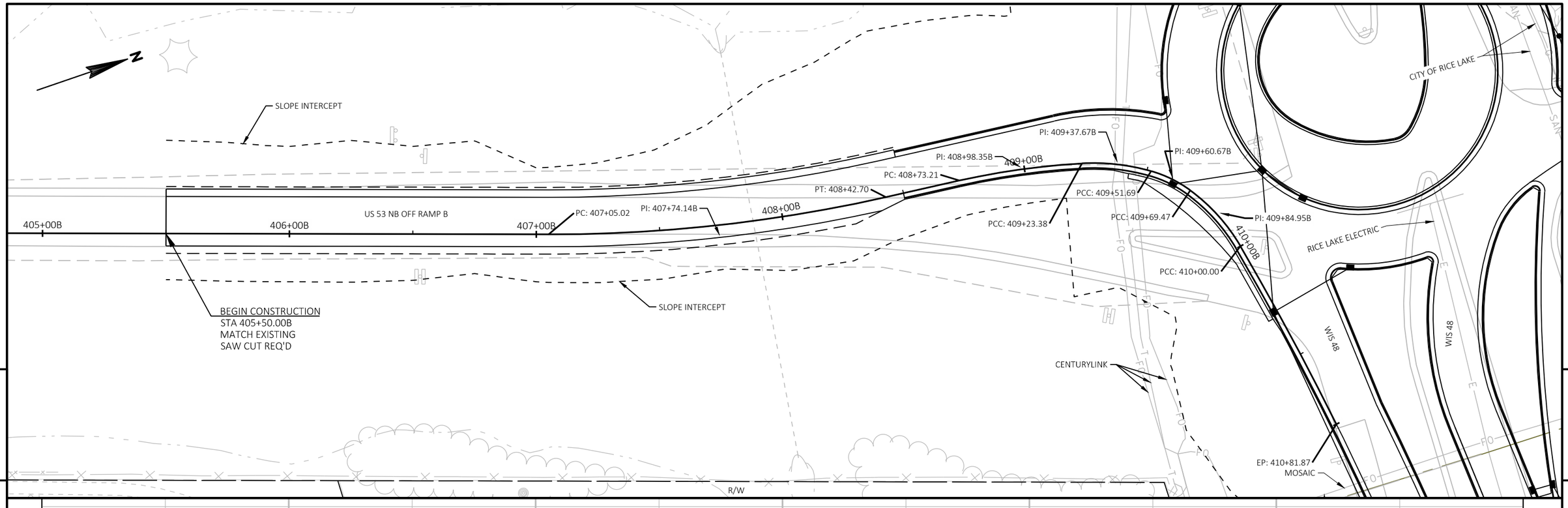
WISDOT/CADDS SHEET 44





PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: RAMP A	SHEET 342	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050110_pp-Side Rds
PLOT DATE : 7/25/2019 8:08 AM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44

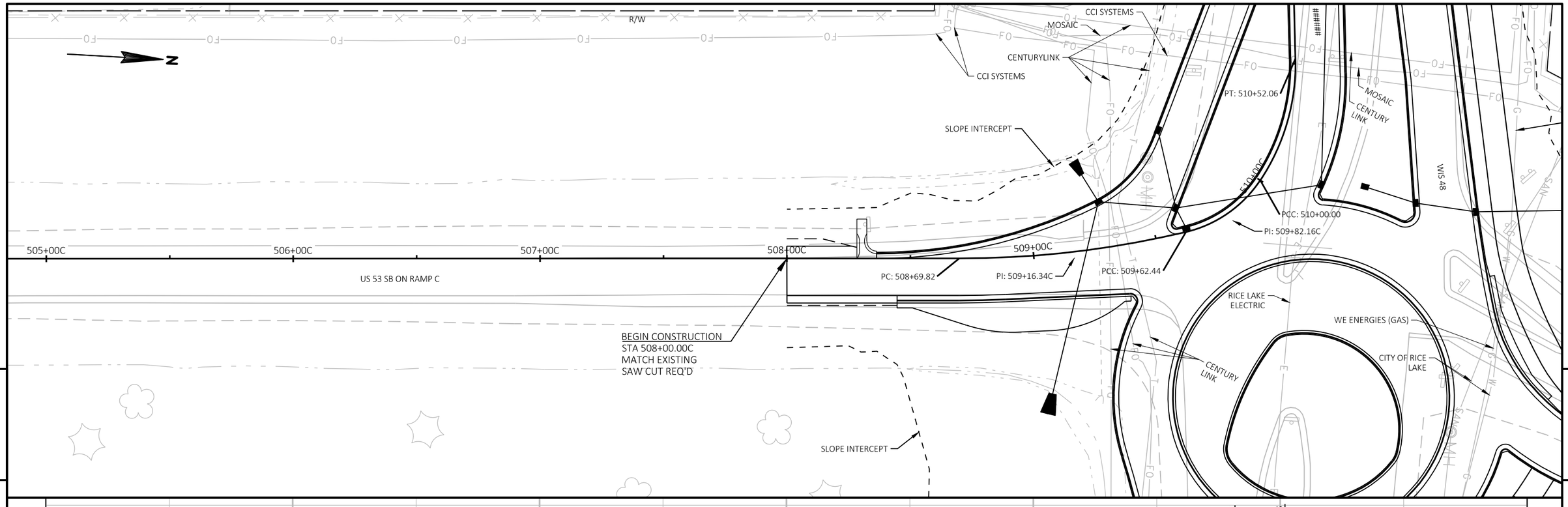


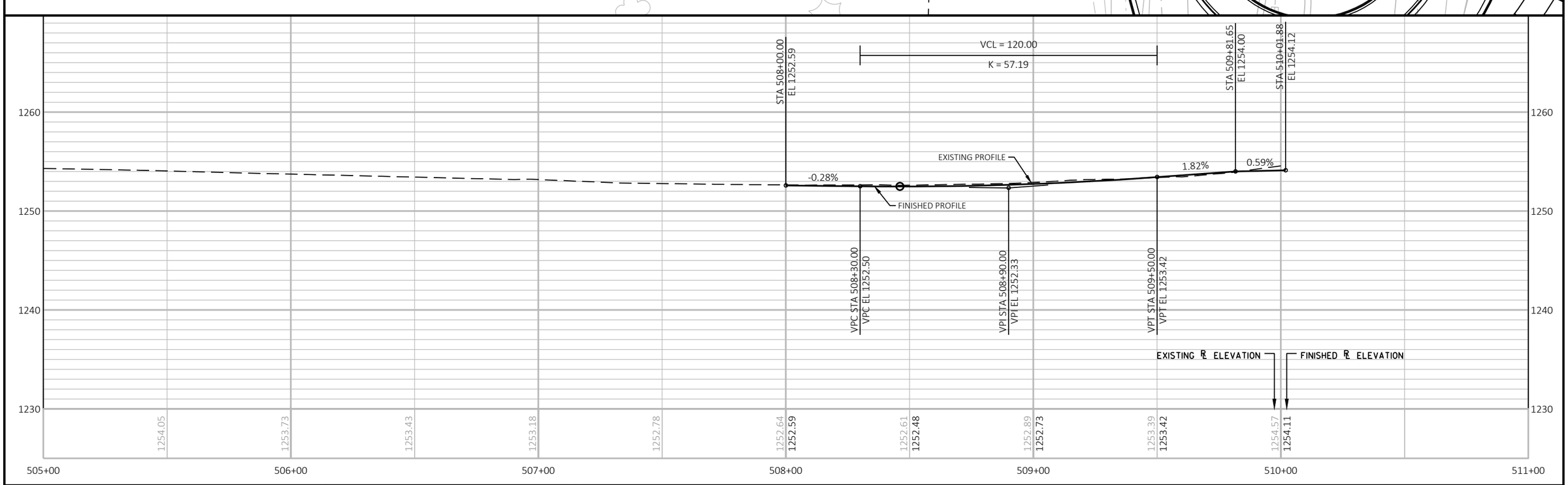
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: RAMP B	SHEET 343	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050111_pp-Side Rds

PLOT DATE : 7/24/2019 1:13 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF

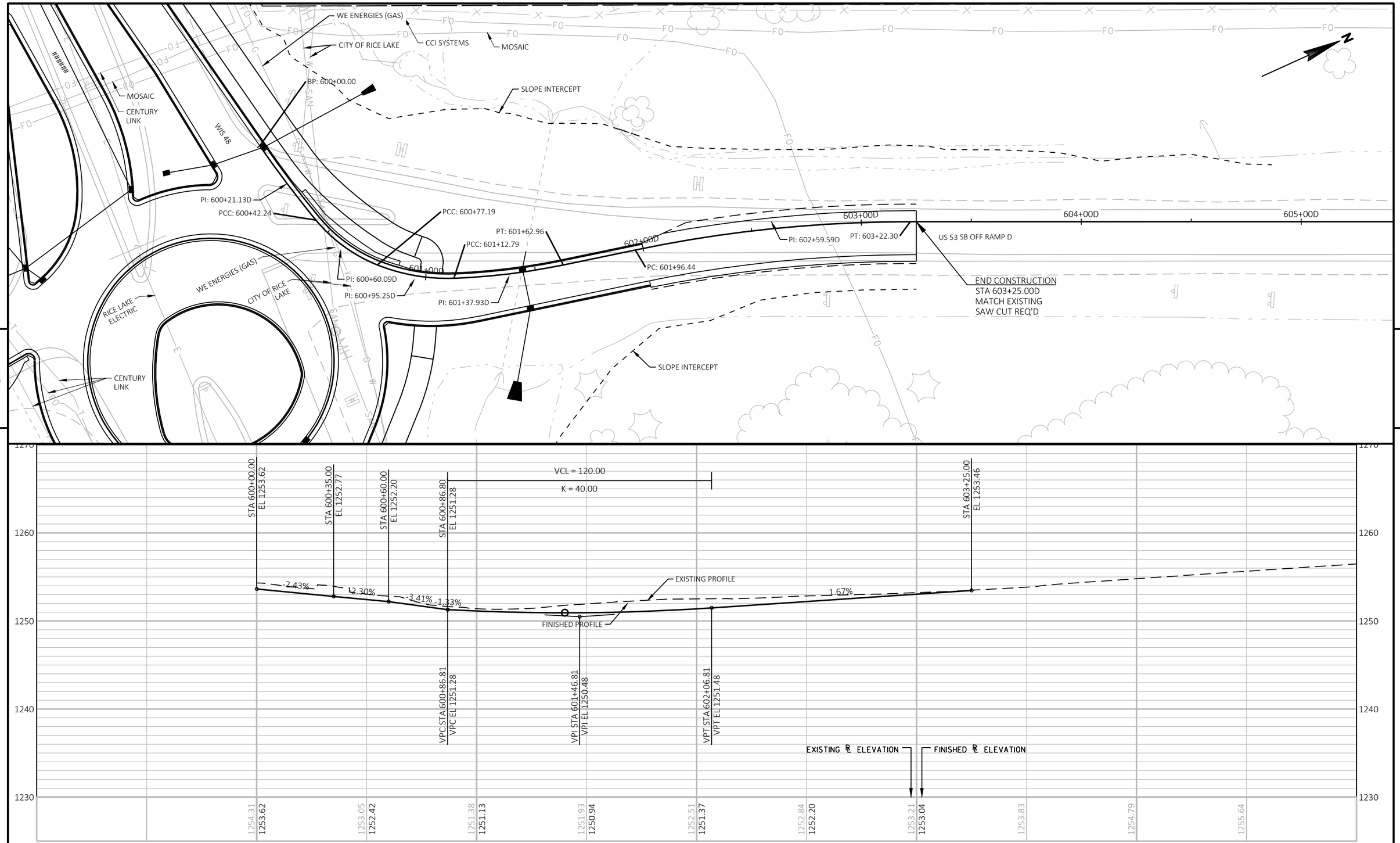
WISDOT/CADDS SHEET 44





PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: RAMP C	SHEET 344	E

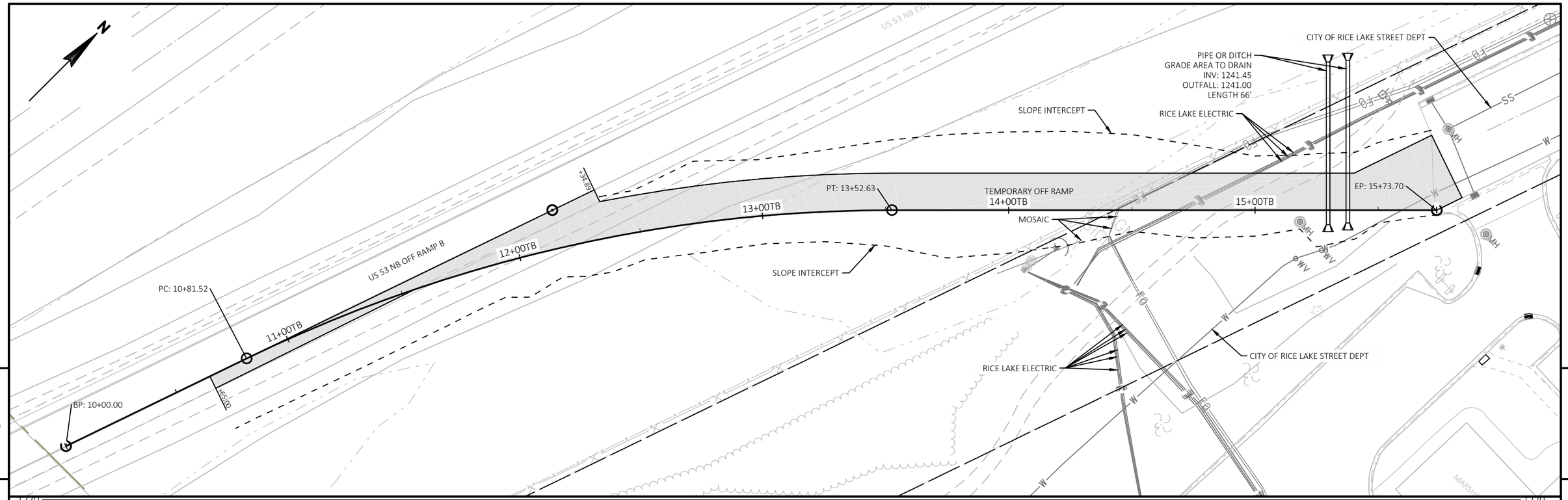
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050112_pp-Side Rds
PLOT DATE : 7/24/2019 1:13 PM
PLOT BY : DAVID YAHNKE
PLOT NAME :
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: RAMP D	SHEET 345	E

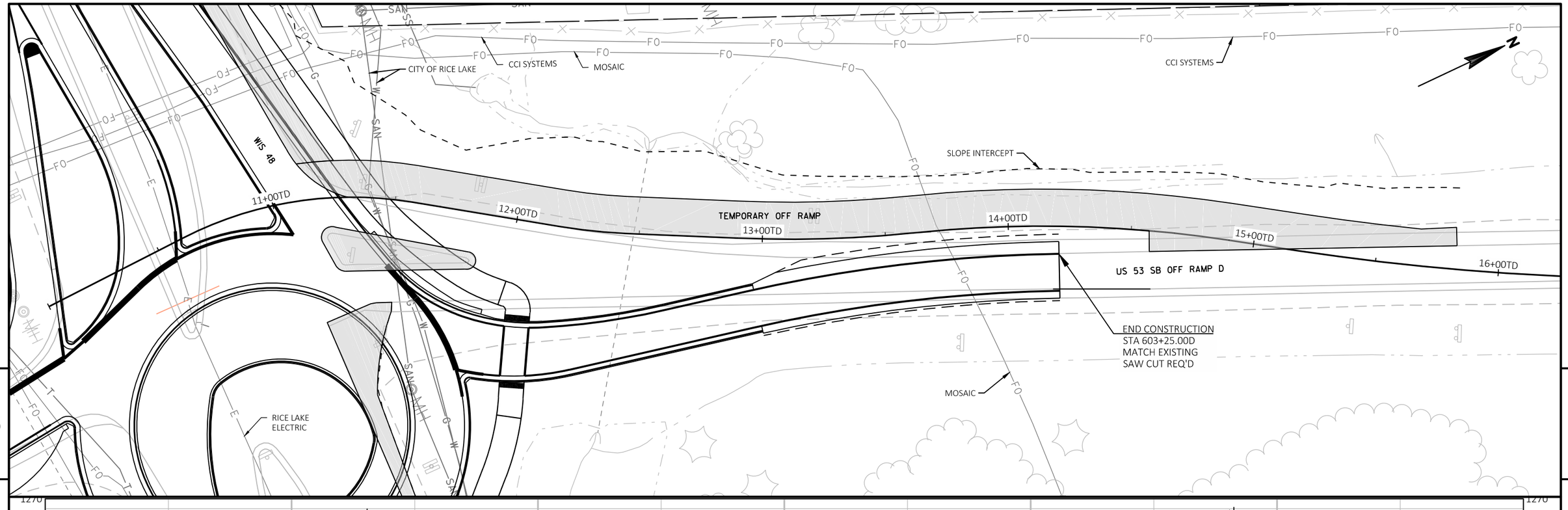
FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-SIDE RDS.DWG
LAYOUT NAME - 050113_pp-Side Rds

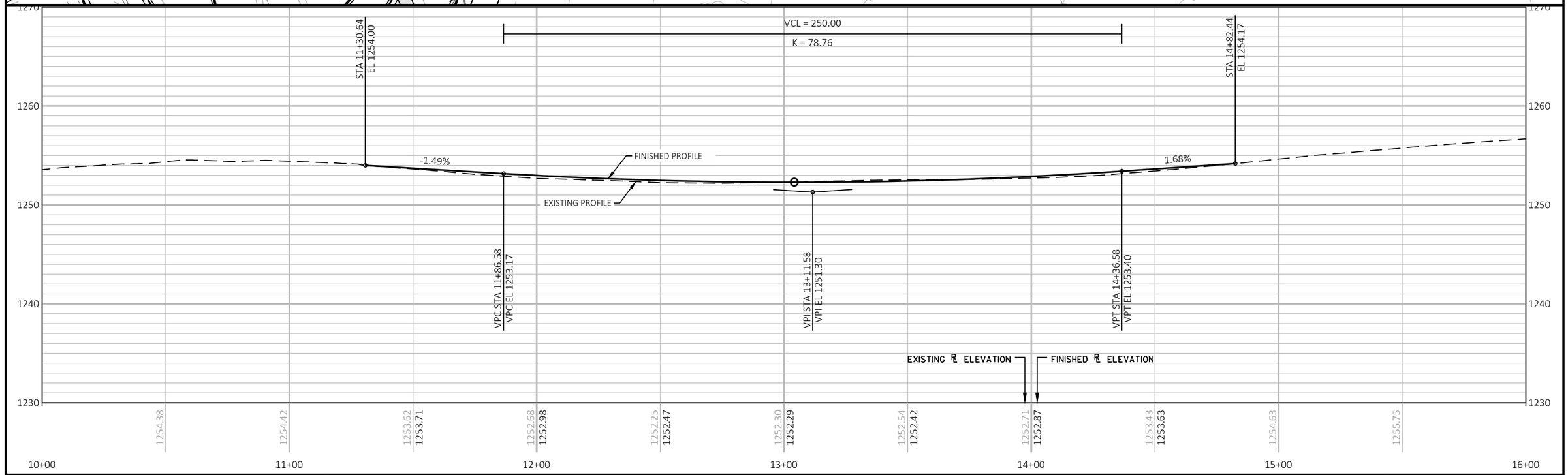
PLOT DATE : 7/24/2019 1:14 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF



PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: US 53 NB TEMPORARY OFF RAMP	SHEET 346	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-TEMPORARY SIDE RDS.DWG
LAYOUT NAME - 050111_pp-nb temp off ramp
PLOT DATE : 7/24/2019 1:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF





PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	PLAN AND PROFILE: US 53 SB TEMPORARY OFF RAMP	SHEET 347	E

FILE NAME : \\CORP.MEADHUNT.COM\SHAREDFOLDERS\ENTP\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\050101_PP-TEMPORARY SIDE RDS.DWG
LAYOUT NAME - 050112_pp-SB temp off ramp
PLOT DATE : 7/24/2019 1:15 PM PLOT BY : DAVID YAHNKE PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

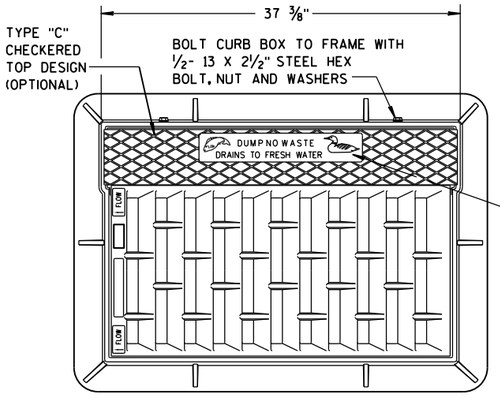
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C04-04	CONCRETE BASE BOLT REPAIR
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E05-06	TRAFFIC SIGNAL STANDARD ORNAMENTAL BRACKET MOUNTINGS TYPICAL FOR 13 FT. OR 15 FT.
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-08B	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-08D	TYPE 13 POLE 35'-55' MONOTBE ARM
09E08-08E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
10A18-05B	LUMINAIRE ARMS, TRUSS TYPE 6-INCH CLAMP
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C14-07A	BASE PATCHING CONCRETE

6

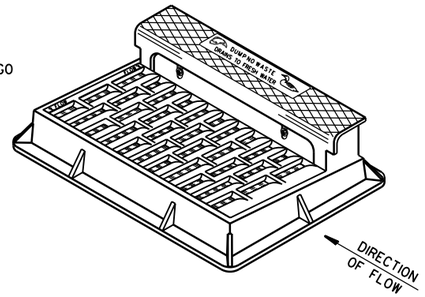
Standard Detail Drawing List

13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C15-06A	CONCRETE BASE
13C15-06B	CONCRETE BASE
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B01-08A	FENCE WOVEN WIRE
15B01-08B	FENCE WOVEN WIRE
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-07C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-07D	ON RAMP LANE CLOSURE
15C02-07F	ADVANCED WIDTH RESTRICTION SIGNING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14D	ROUNDABOUT ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C29-06A	BICYCLE LANE MARKING
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D35-03A	RAMP GATE HARD WIRED
15D35-03B	RAMP GATE HARD WIRED
15D35-03C	RAMP GATE HARD WIRED
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD

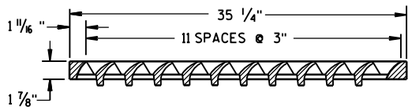
6

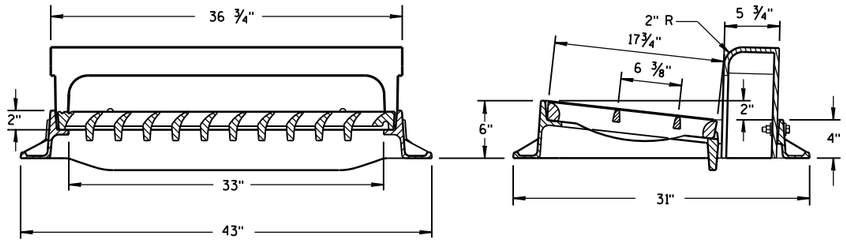


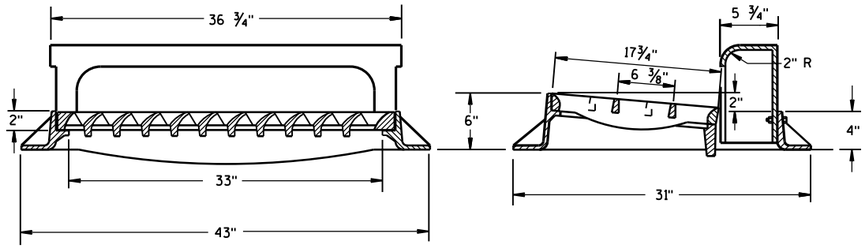
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

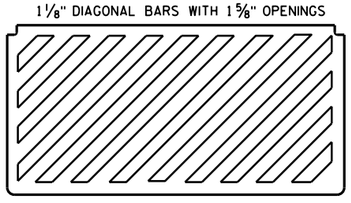






TYPE "H"

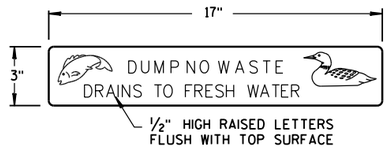
NOTE: EITHER CASTING IS ACCEPTABLE



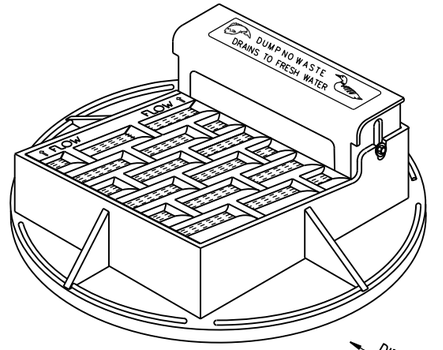
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

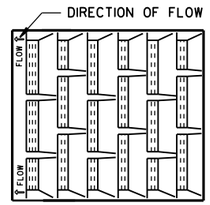
NOTE:
GRATE IS REVERSIBLE.

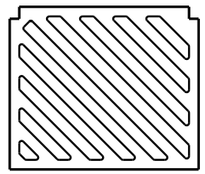
GENERAL NOTES

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.

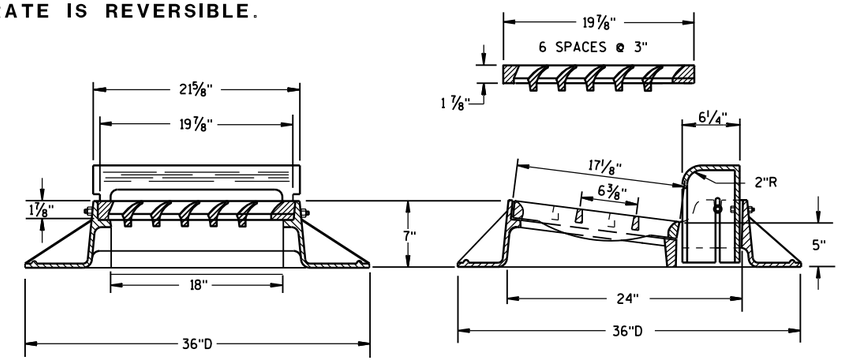




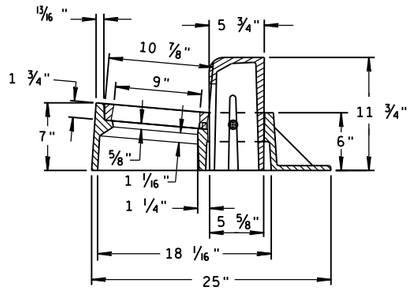
SPECIAL GRATE FOR TYPE "A" COVER

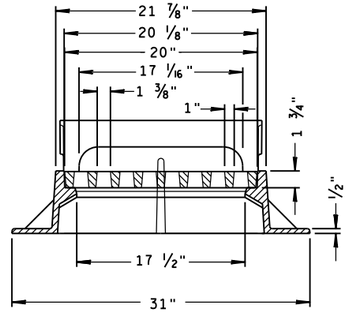
(MEASURES 19 3/4" X 17" X 1 7/8")

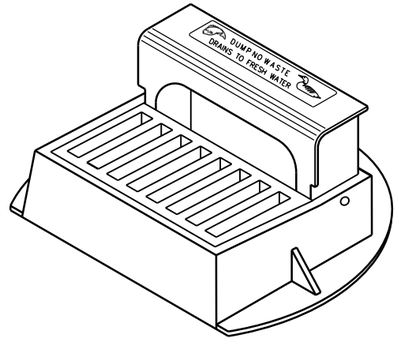
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

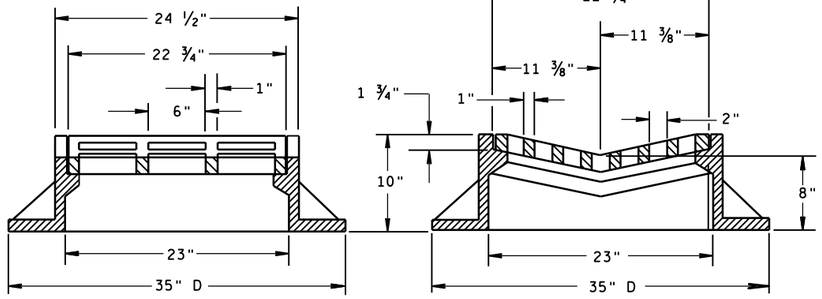
INLET COVERS
TYPE A, H, A-S, H-S & Z

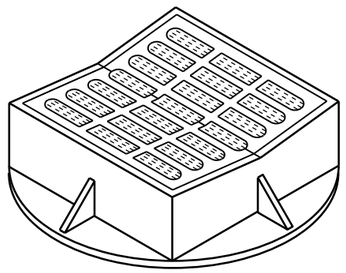
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

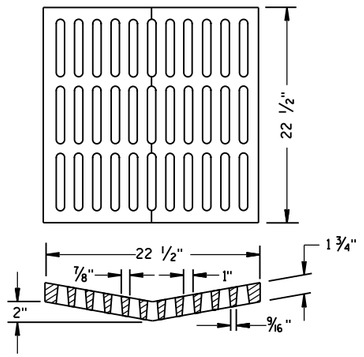
6

S.D.D. 8 A 5-19a



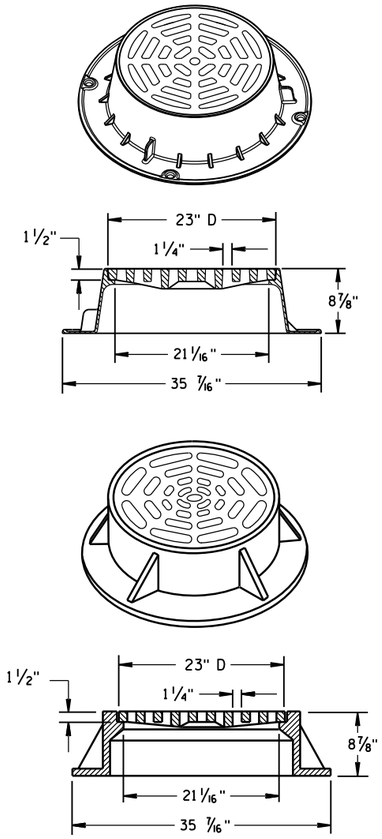


TYPE "B"



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"

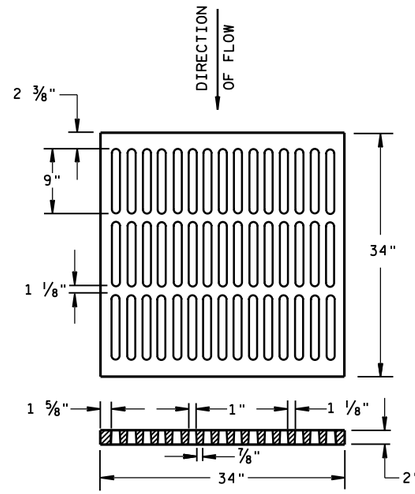
NOTE: EITHER CASTING IS ACCEPTABLE

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.

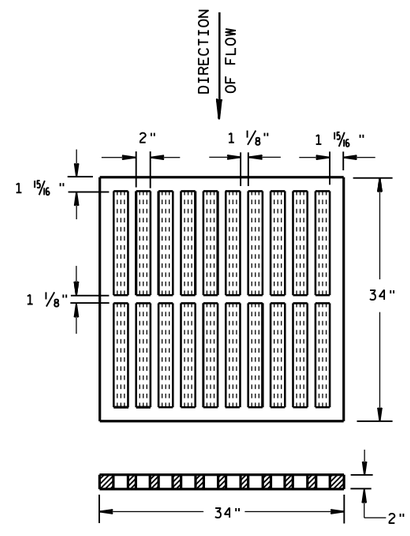
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



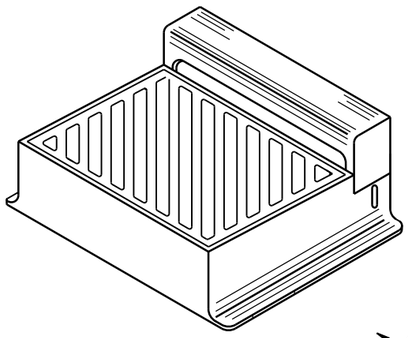
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

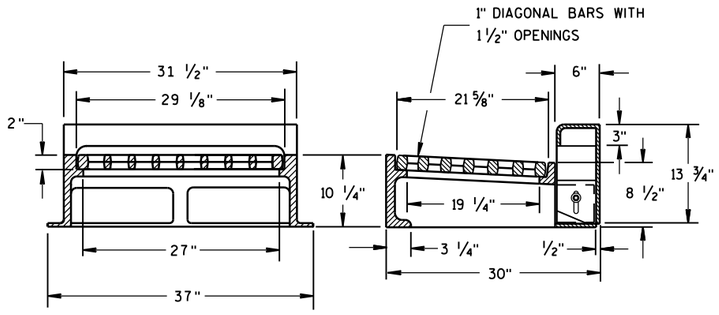


TYPE "MS"

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"

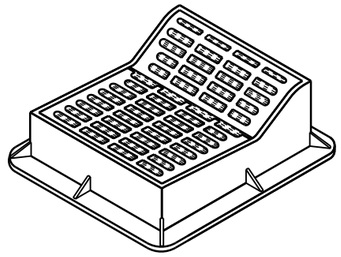
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

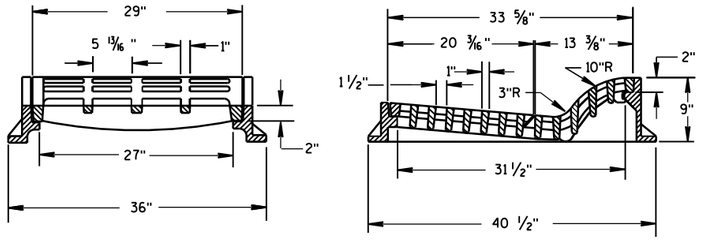
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

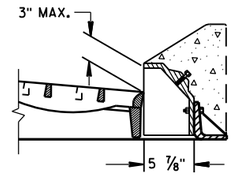
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

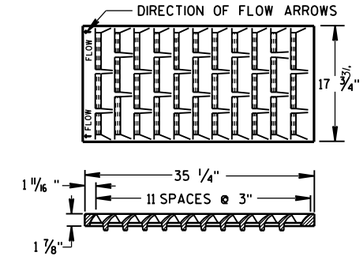
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

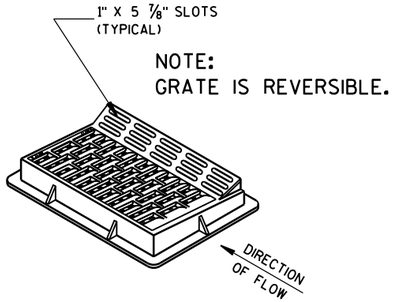
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

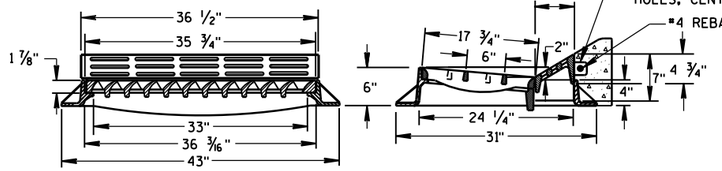
GENERAL NOTES

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.



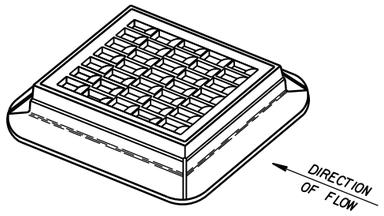


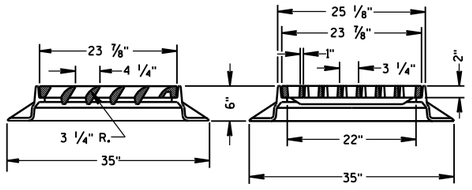


TYPE "HM"

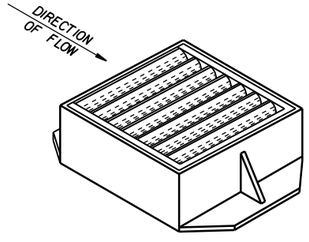
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

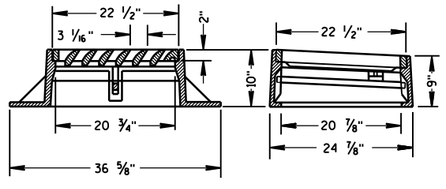
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



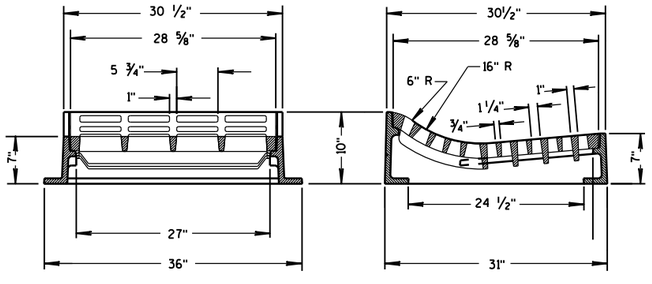


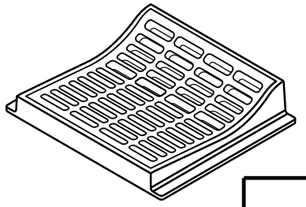
TYPE "S"





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

352

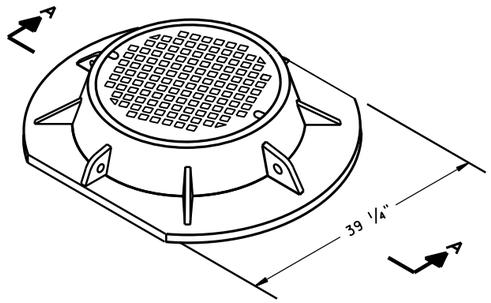
FHWA

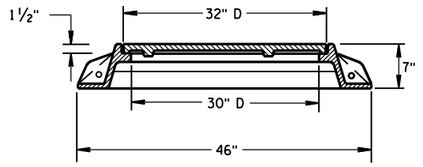
6

S.D.D. 8 A 5-19c

6

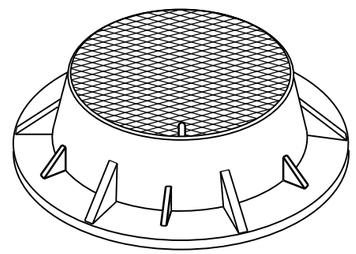
S.D.D. 8 A 5-19c

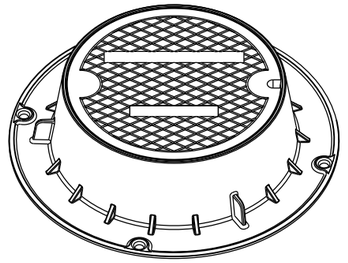


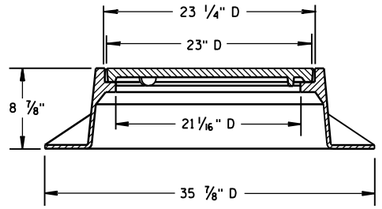


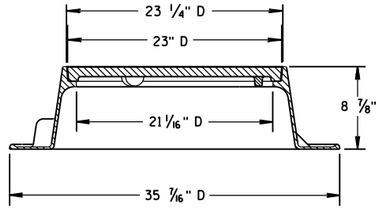
SECTION A-A

TYPE "K"









TYPE "J"

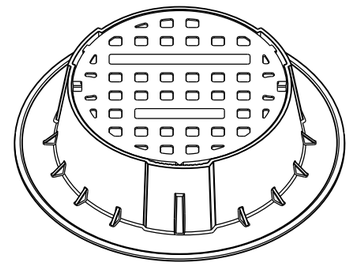
NOTE: EITHER CASTING IS ACCEPTABLE

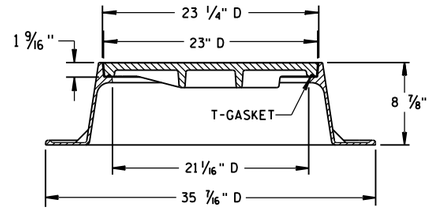
GENERAL NOTES

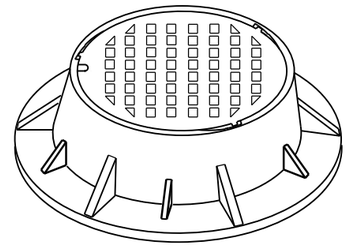
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

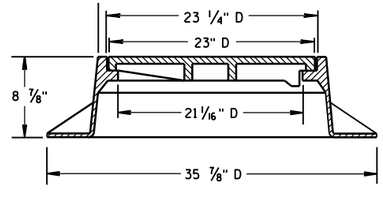
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.







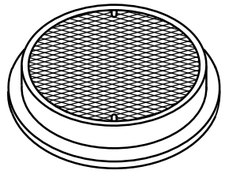


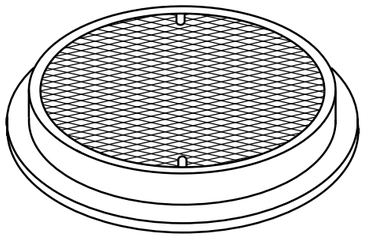
TYPE "J" SPECIAL

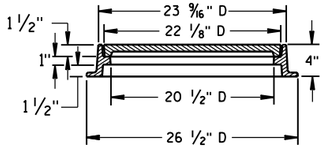
TYPE "B" NON-ROCKING SELF-SEAL LID

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

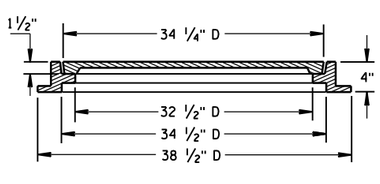
NOTE: EITHER CASTING IS ACCEPTABLE



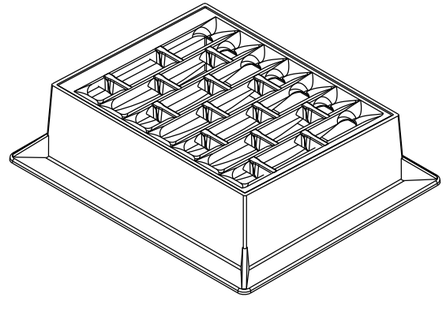


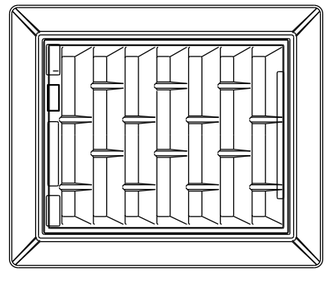


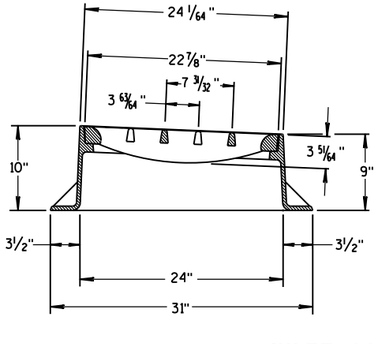
TYPE "L"

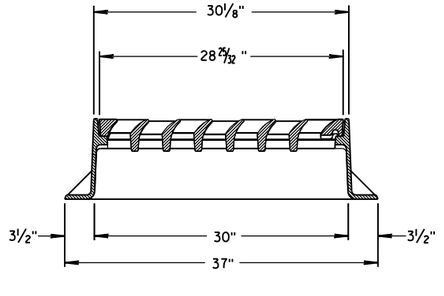


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW MANHOLE COVERS, TYPE K, J, J-S, L & M

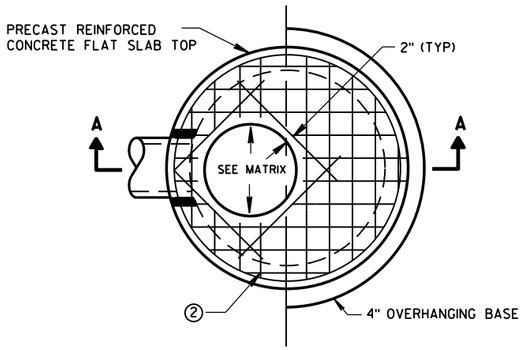
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

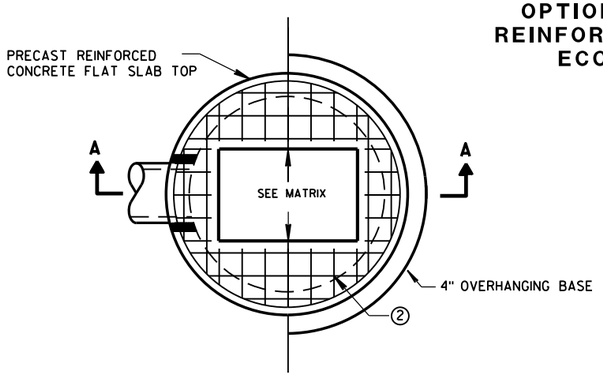
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

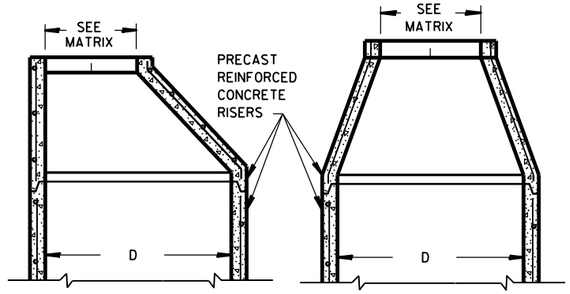
S.D.D. 8 A 5-19d



PLAN VIEW CIRCULAR OPENING

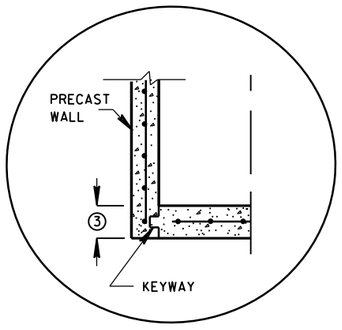


PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

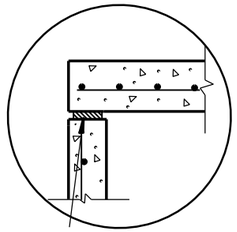
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



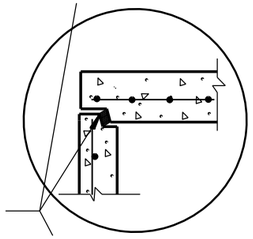
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

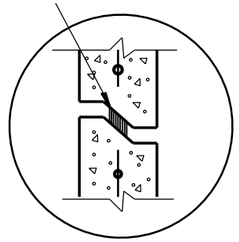


TOP WITH PLAIN END JOINT



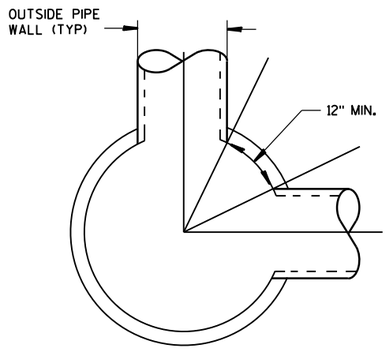
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT

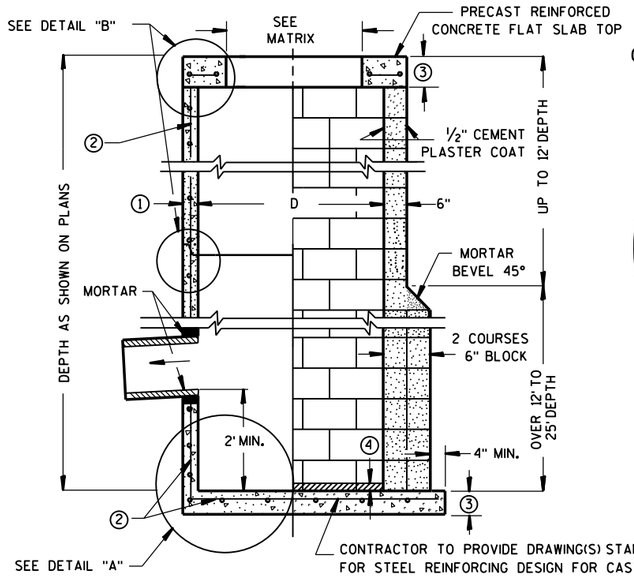


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

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 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 FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

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 AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS 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".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

CATCH BASIN 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	30

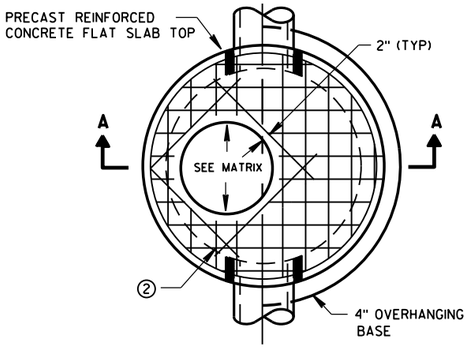
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

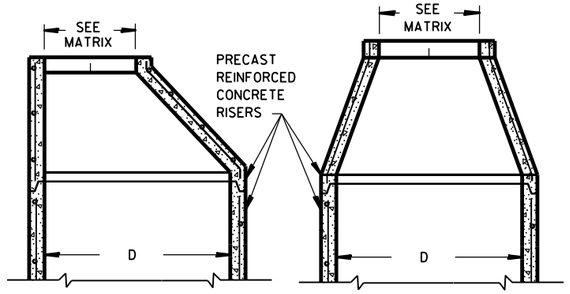
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

S.D.D. 8 A 8-2

S.D.D. 8 A 8-2

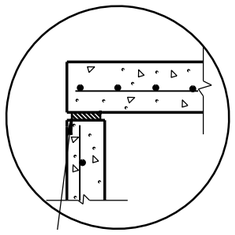


PLAN VIEW CIRCULAR OPENING

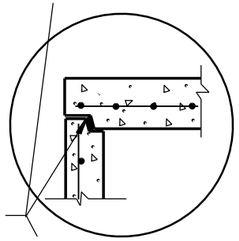


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

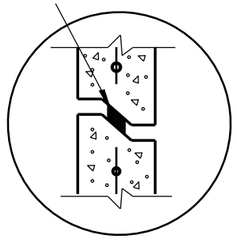


TOP WITH PLAIN END JOINT



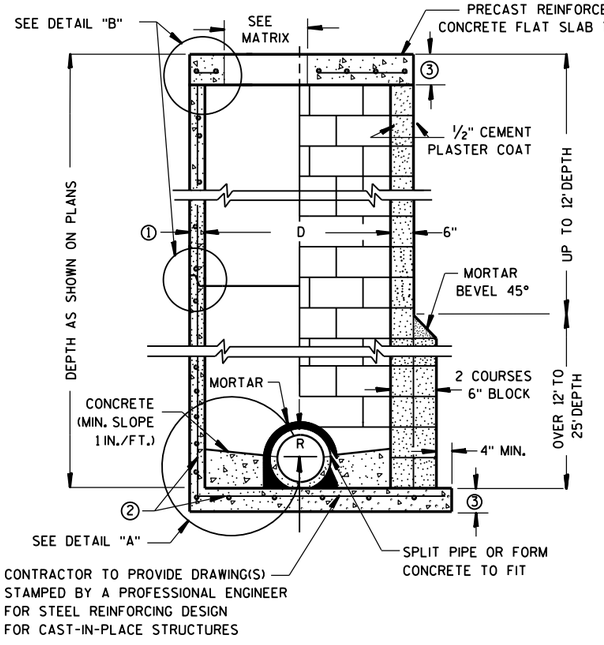
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



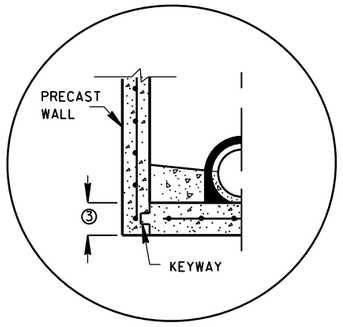
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

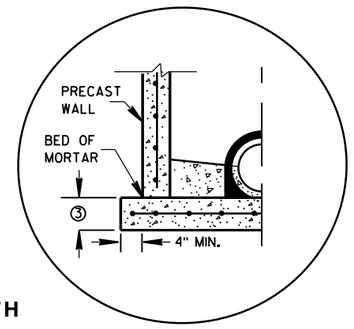


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

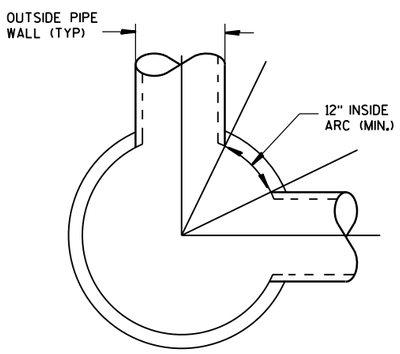


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

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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

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Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
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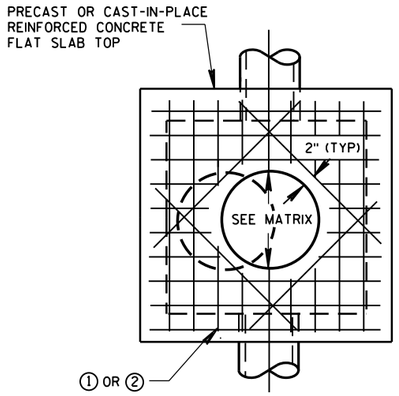
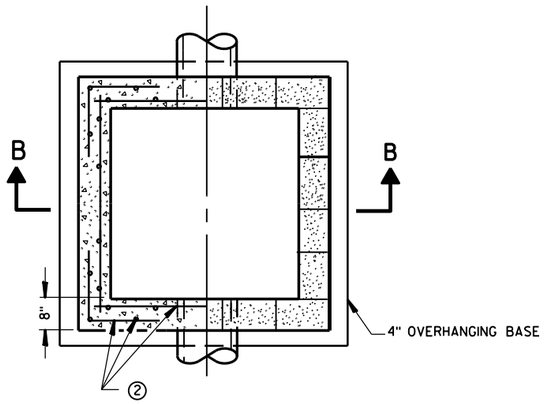
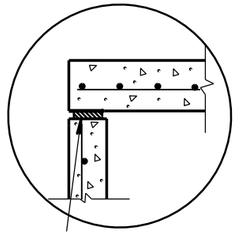


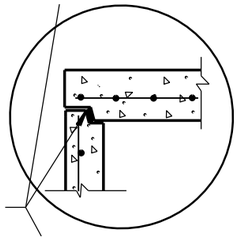
PLAN VIEW
CIRCULAR OPENING



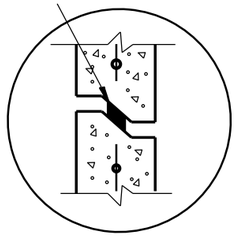
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

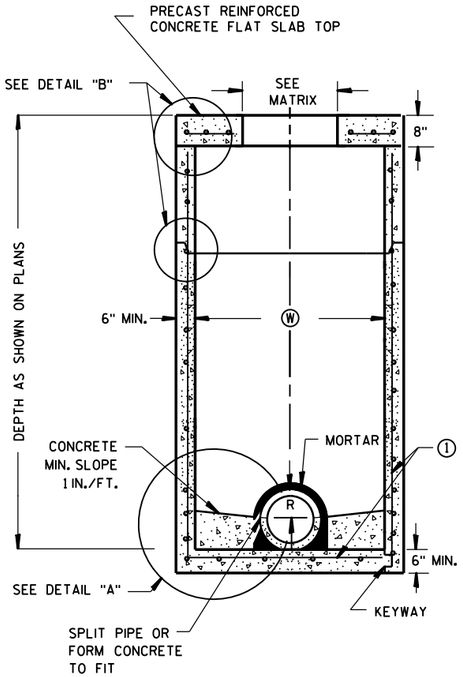


TOP WITH TONGUE AND GROOVE JOINT

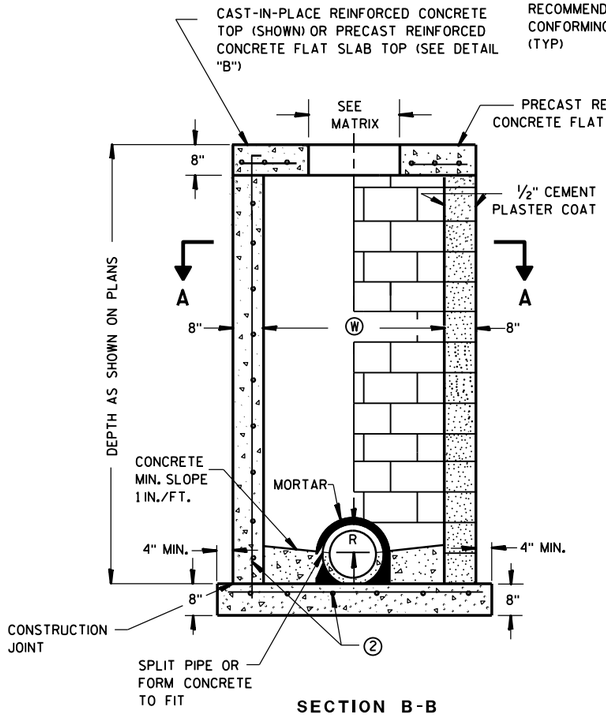


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

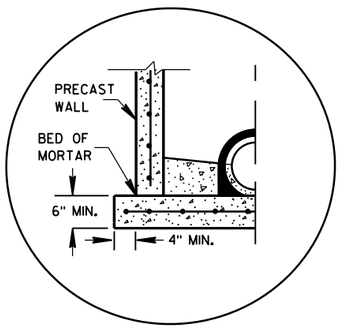


SECTION B-B

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "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.

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 FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

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

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

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

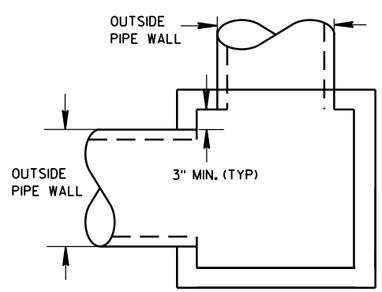
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

STATE OF WISCONSIN
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/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
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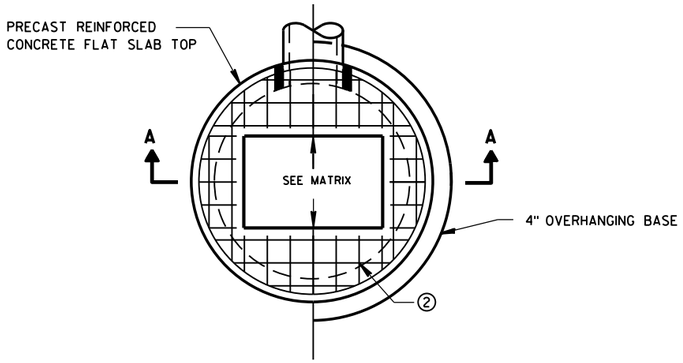
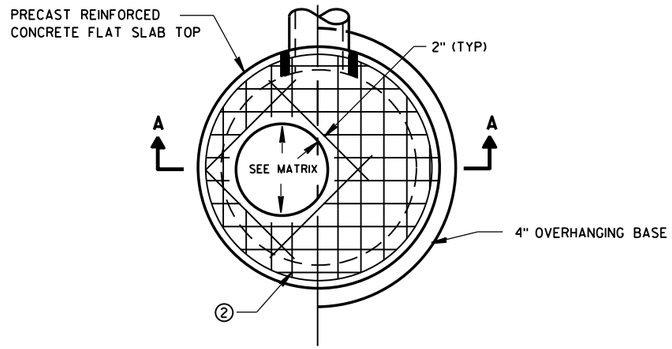
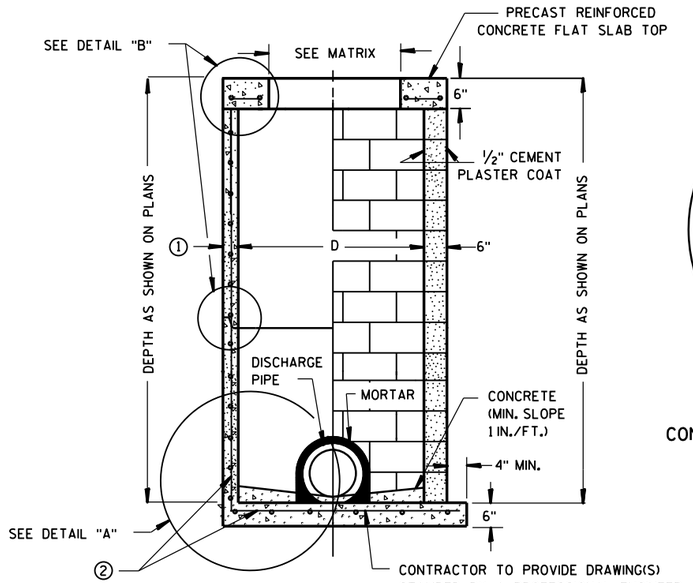


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

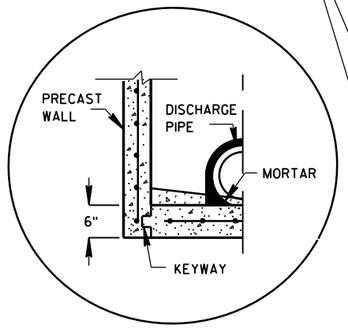


SECTION A-A

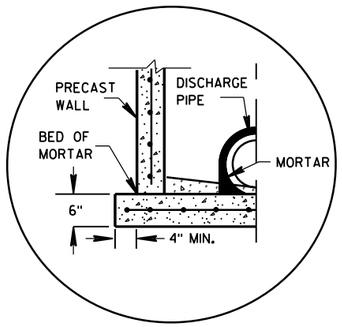
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

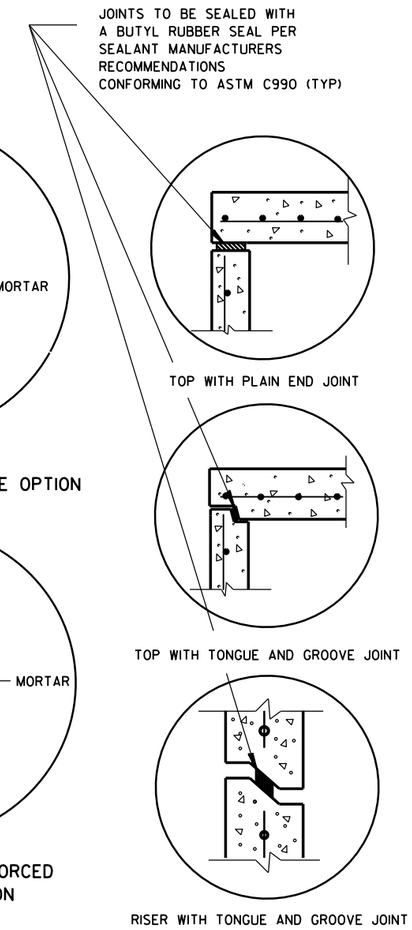


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "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 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 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 FOUNDATION 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

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.

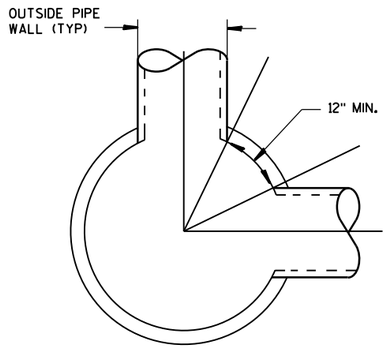
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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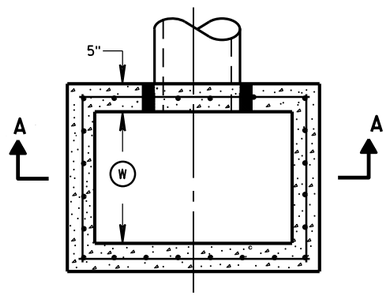
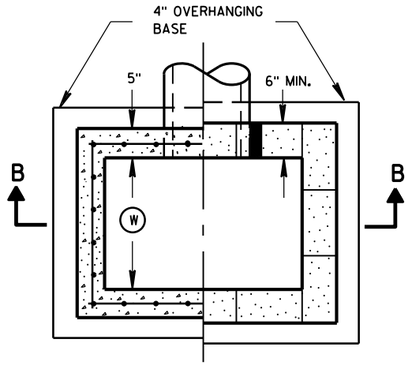
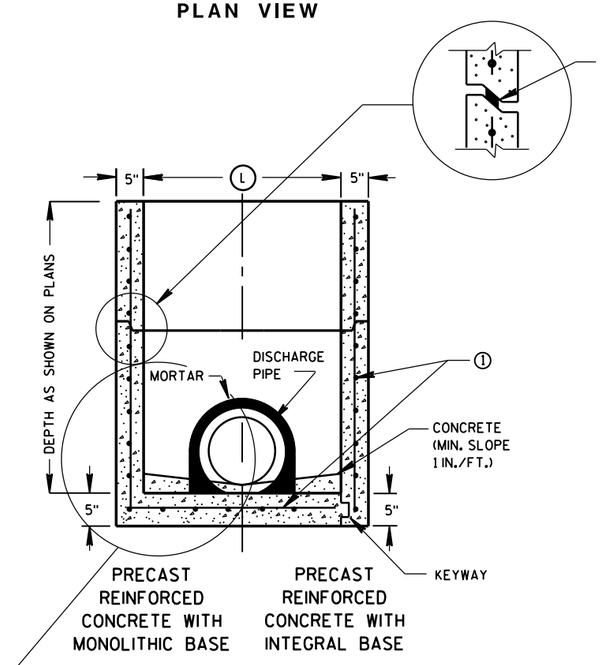
INLETS 3-FT AND 4-FT DIAMETER



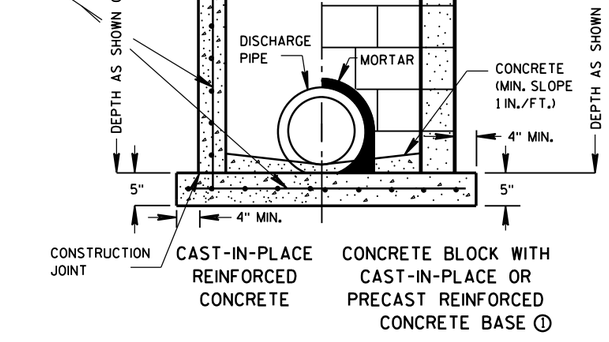
PLAN VIEW



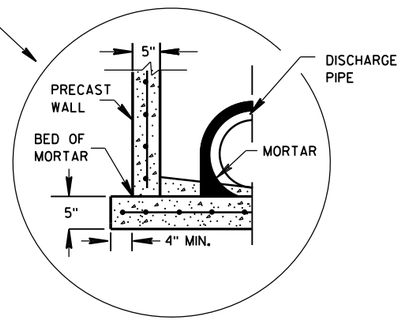
PLAN VIEW



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 FOUNDATION 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.

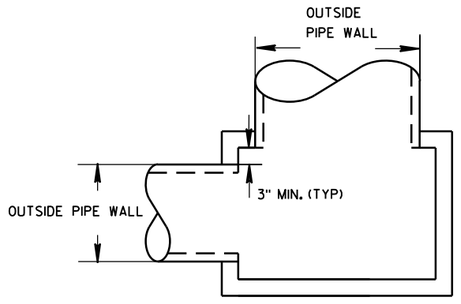
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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

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DEPARTMENT OF TRANSPORTATION

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Sept., 2016
DATE
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ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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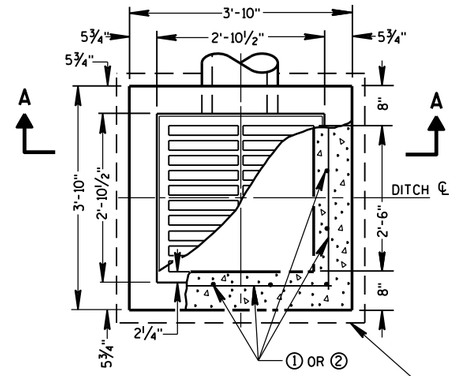
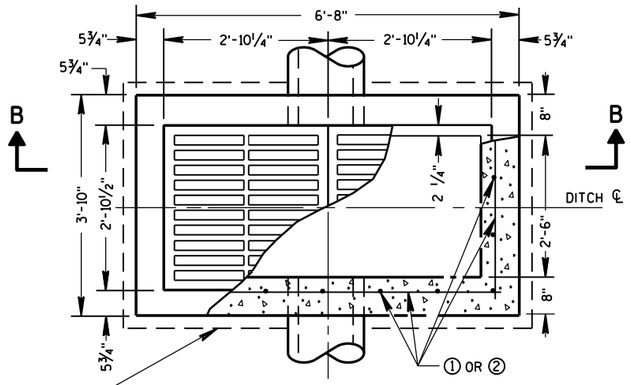
S.D.D. 8 C 7-2

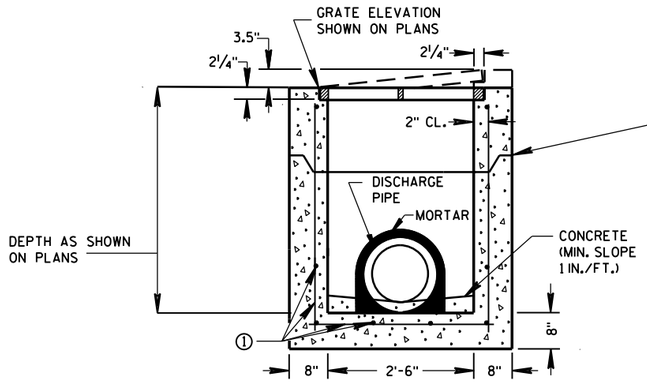


PLAN VIEW

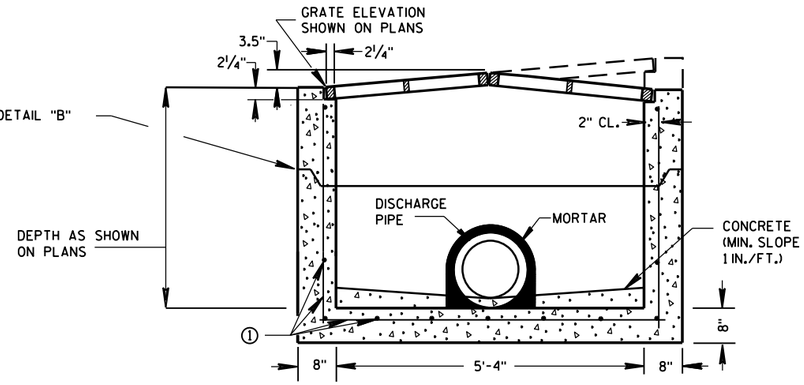


PLAN VIEW

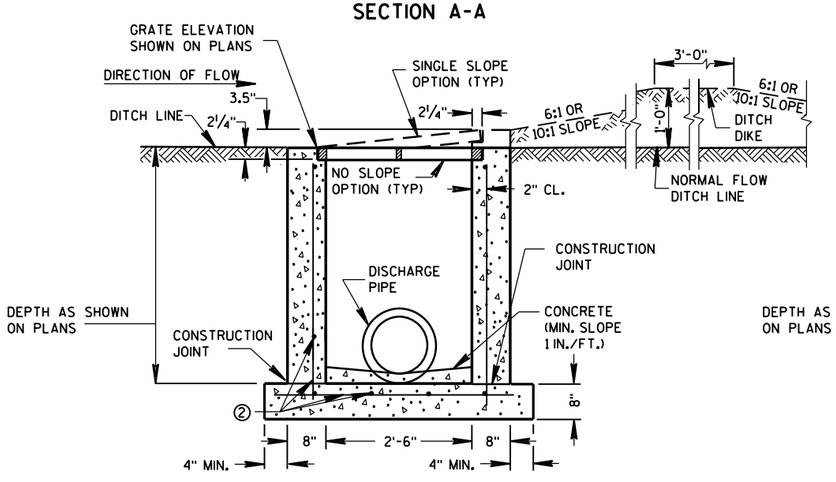
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



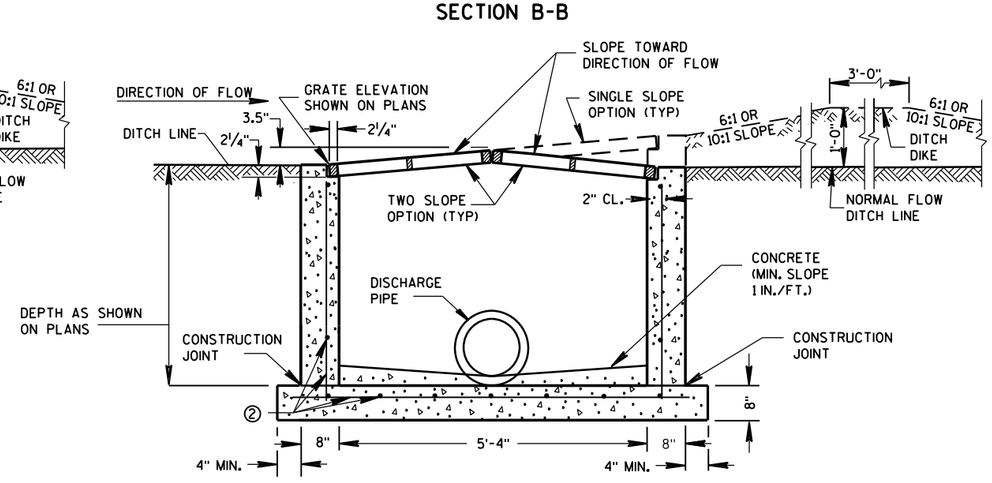
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, IG-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

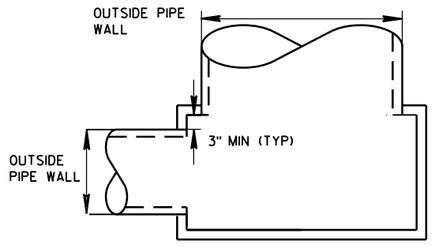
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

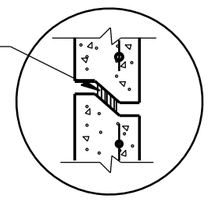
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

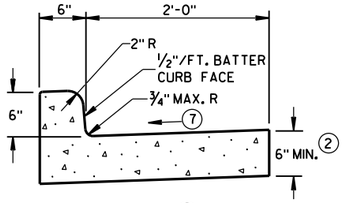
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

6

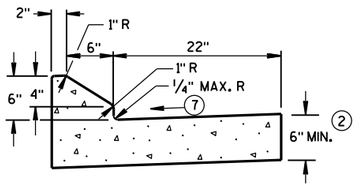
S.D.D. 8 C 8-2

6

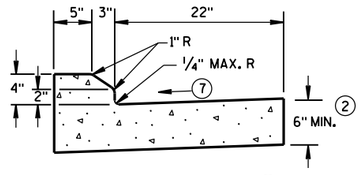
S.D.D. 8 C 8-2



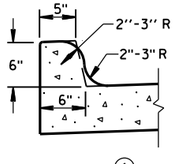
TYPES A (1) & D



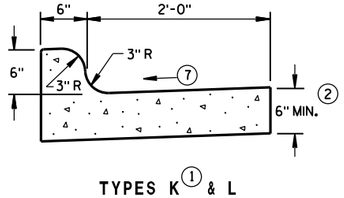
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

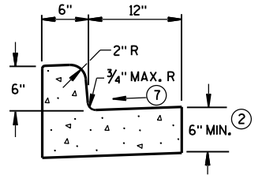


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



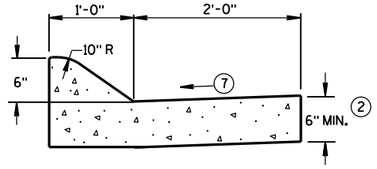
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

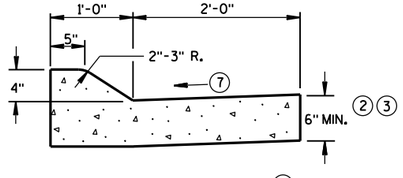


TYPES A (1) & D

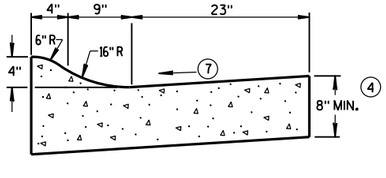
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

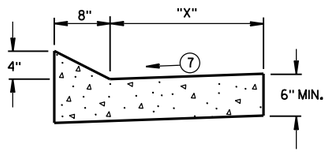


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

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.

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, R AND TBTT.

(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) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) 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.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

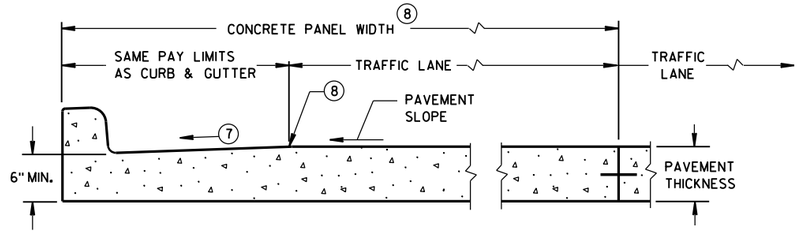
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

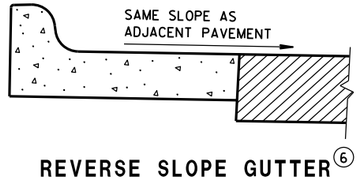
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

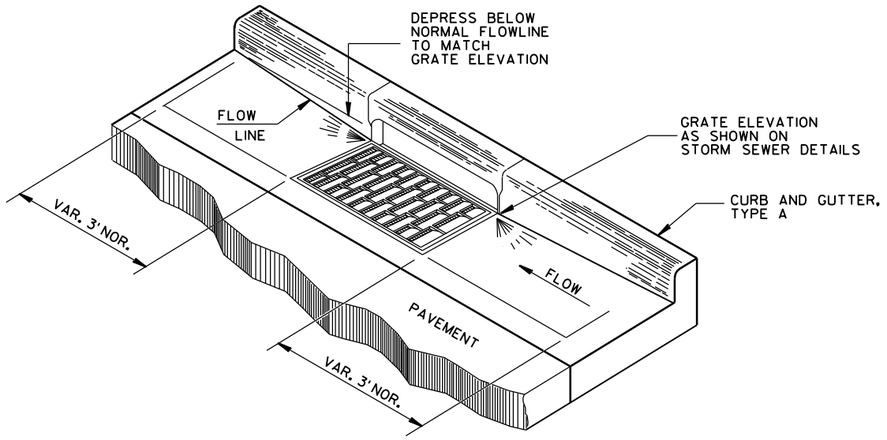
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

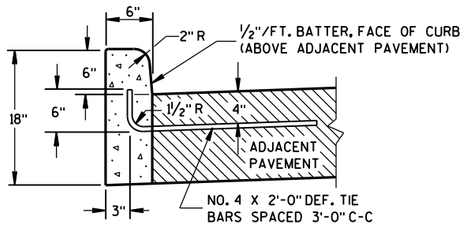
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

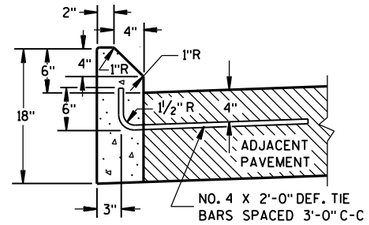
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

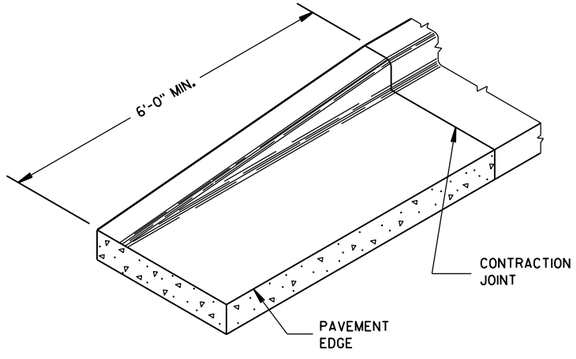


TYPES A(1) & D

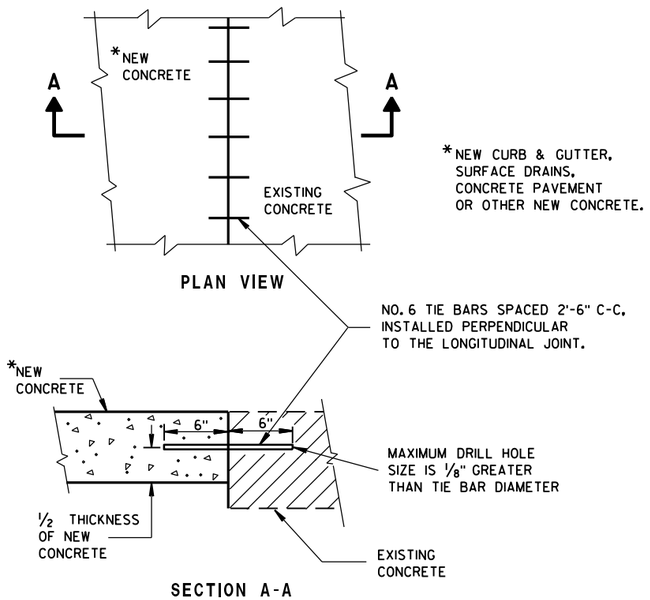


TYPES G(1) & J

CONCRETE CURB



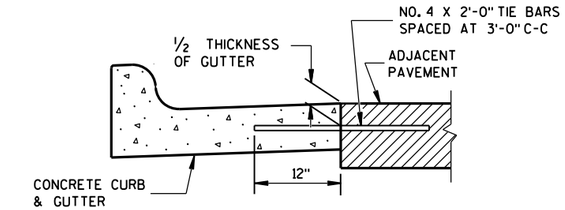
END SECTION CURB & GUTTER



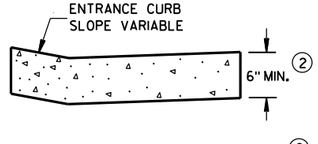
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 361 ENT
UNIT SUPERVISOR
FHWA

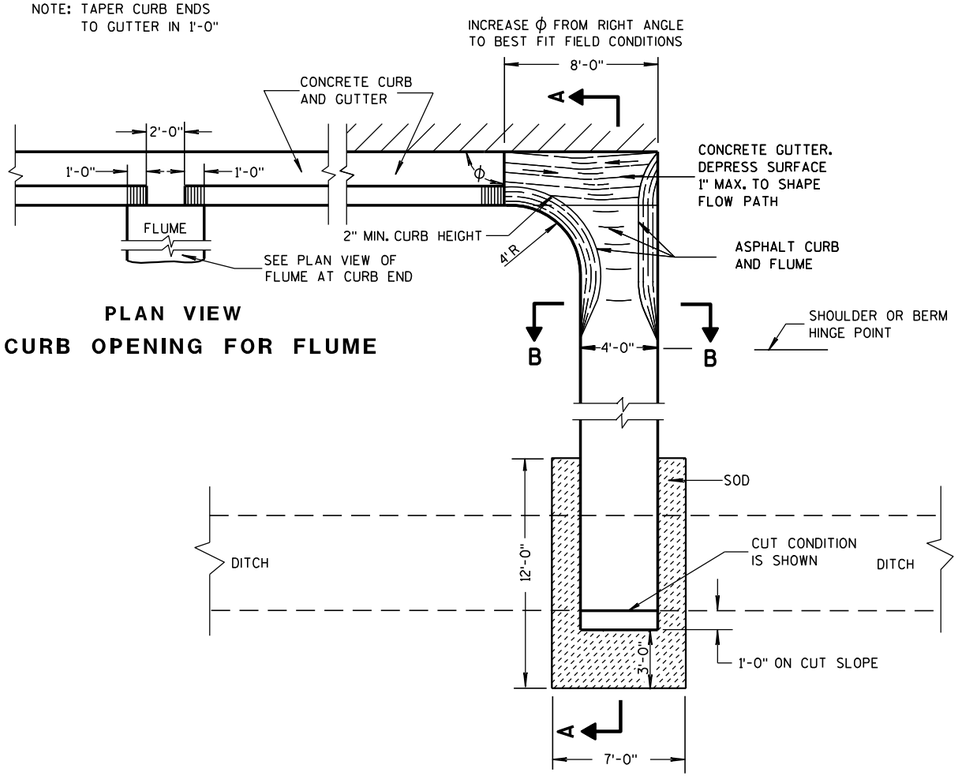
6

S.D.D. 8 D 1-20b

6

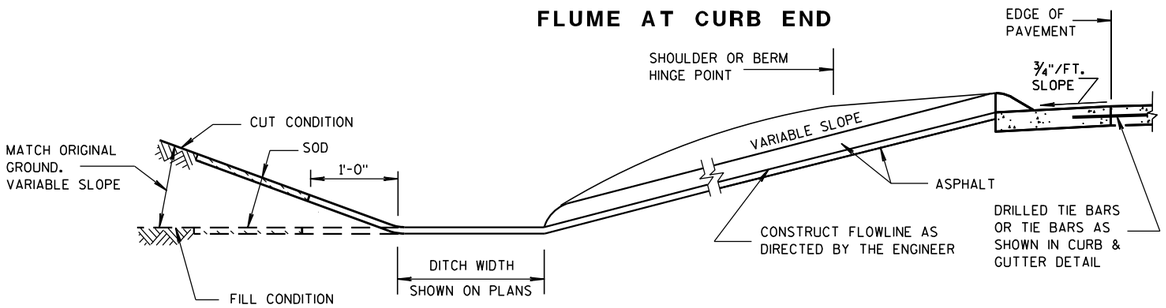
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

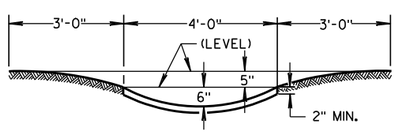


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

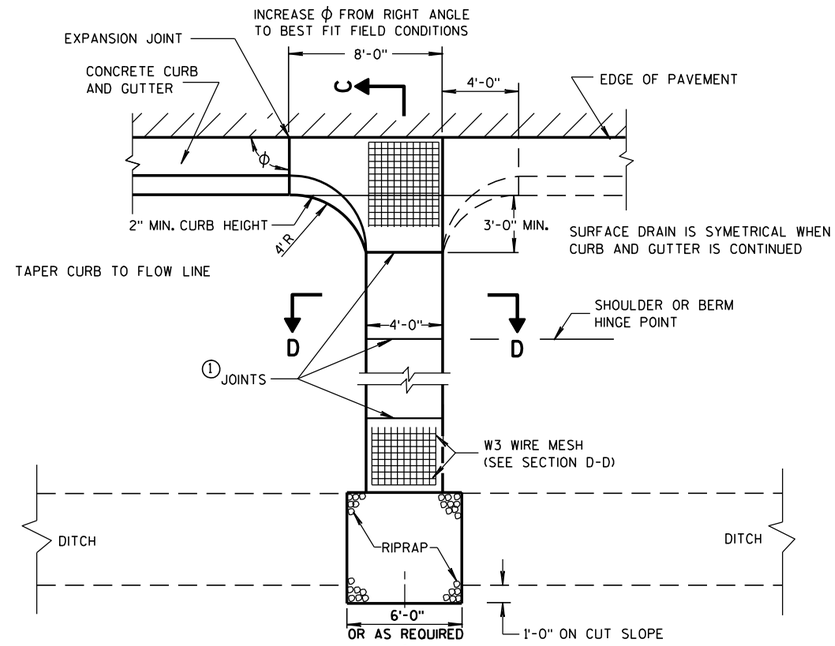
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

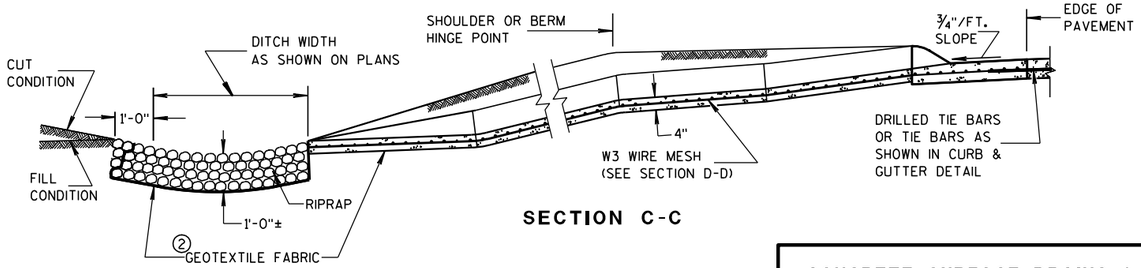
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

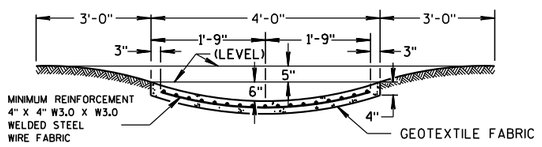
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C

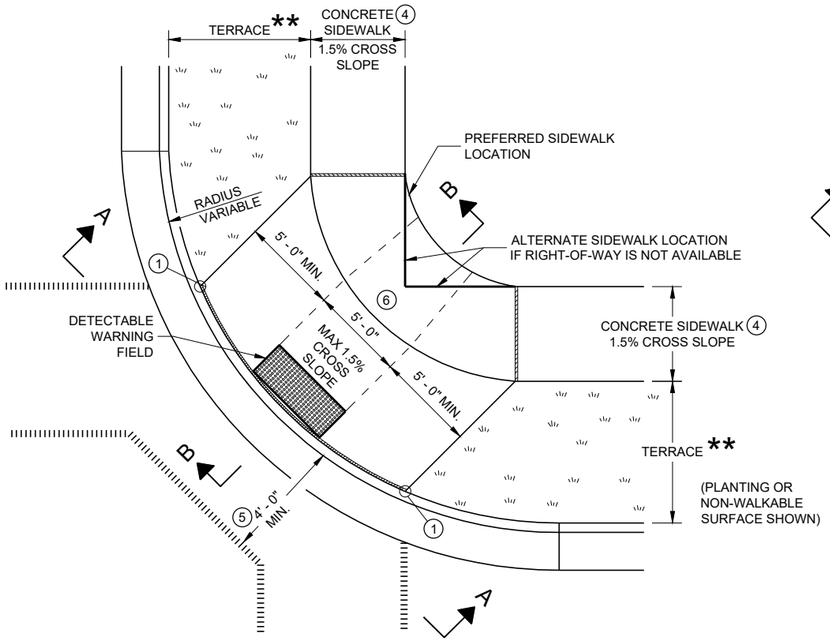


SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

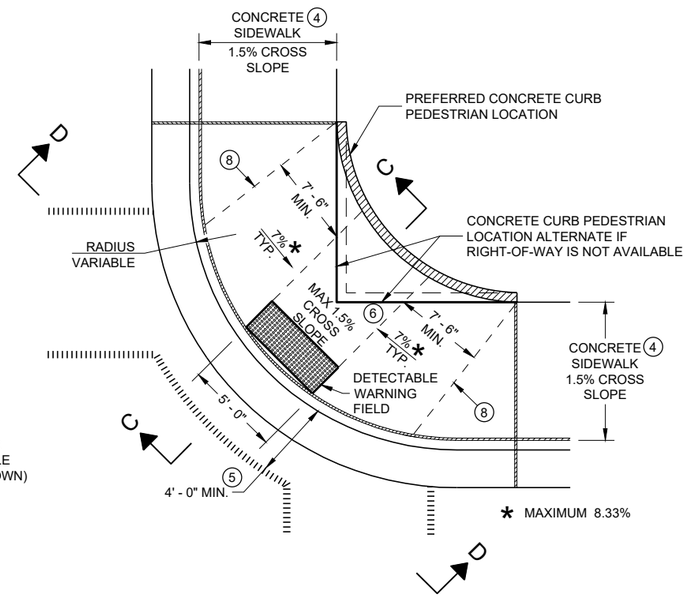
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED 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 LINEAR 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. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

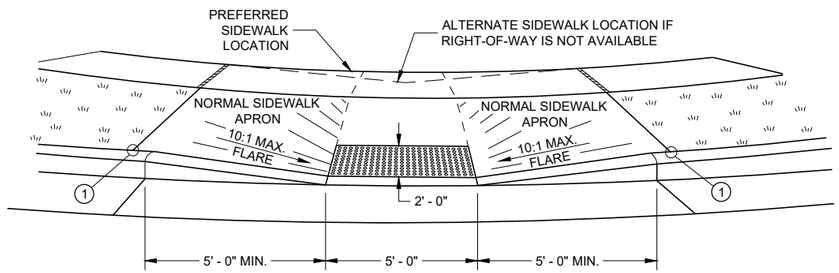
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

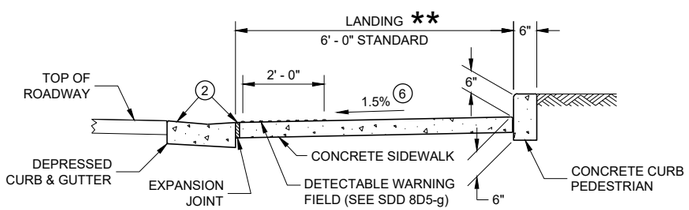
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A - A FOR TYPE 1

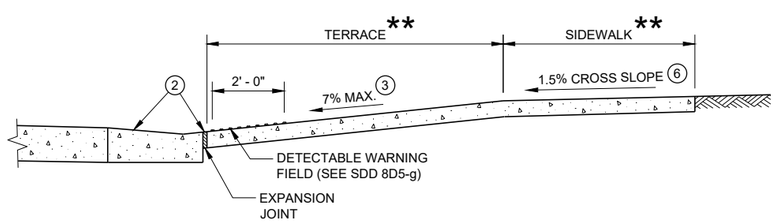


SECTION C - C FOR TYPE 1 - A

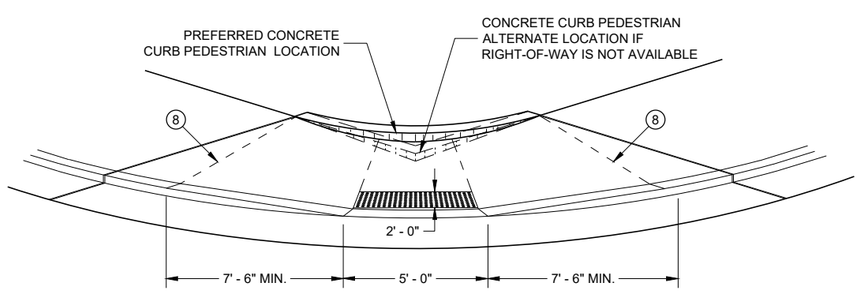
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



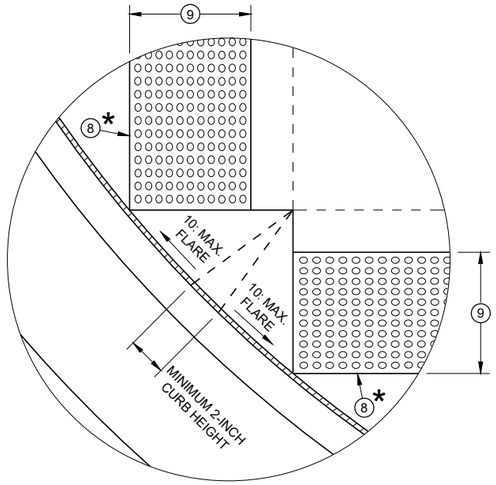
VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A

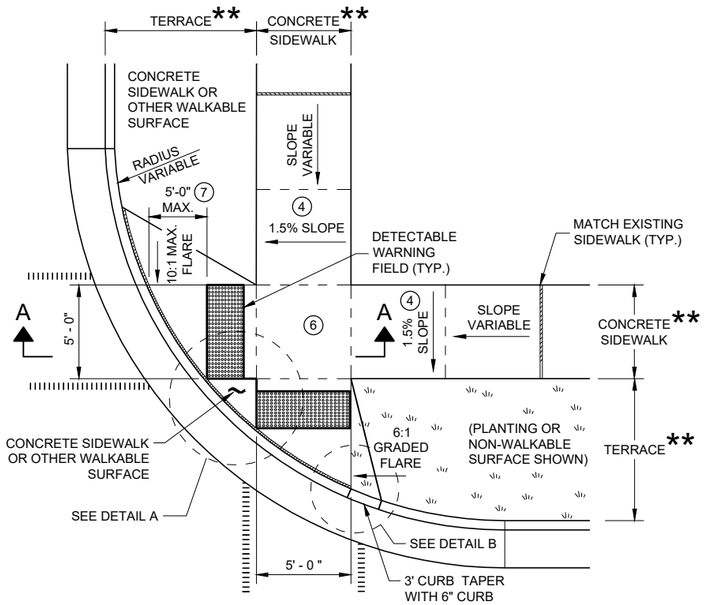
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20a

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

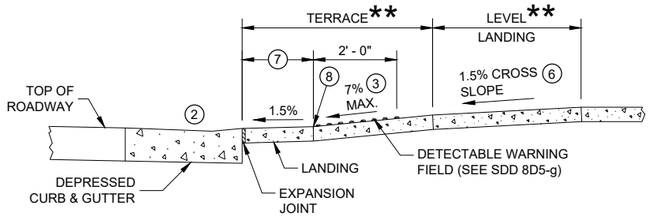
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

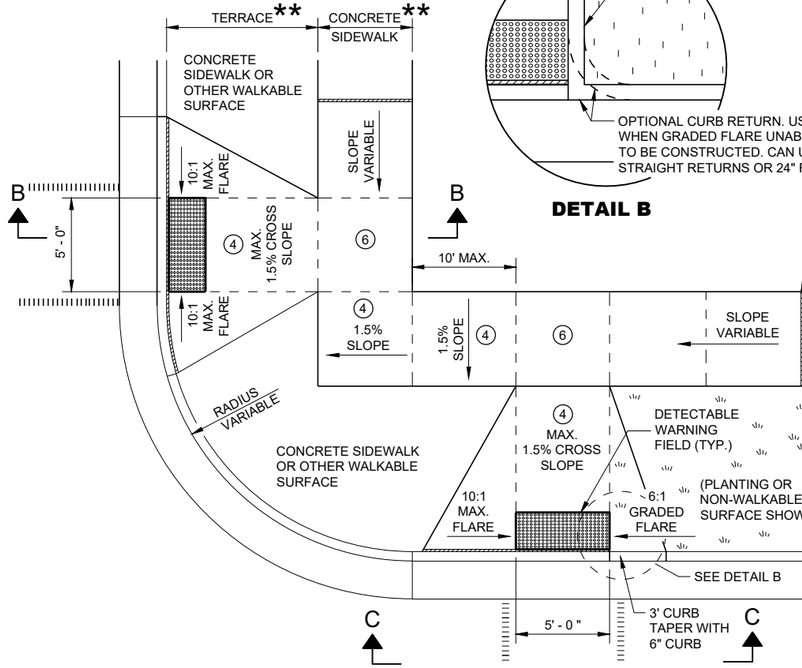
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



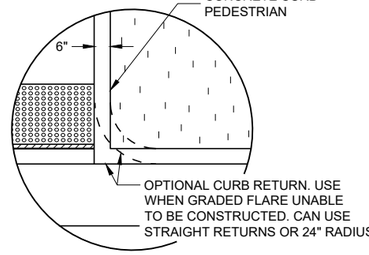
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

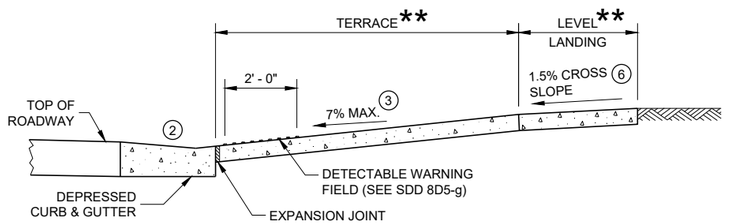
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



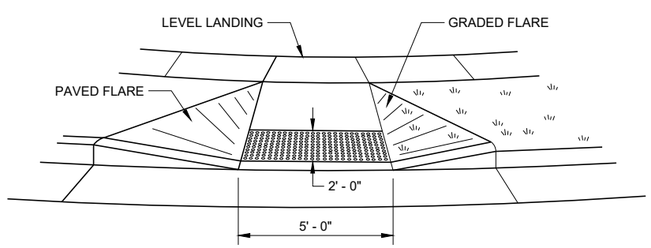
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



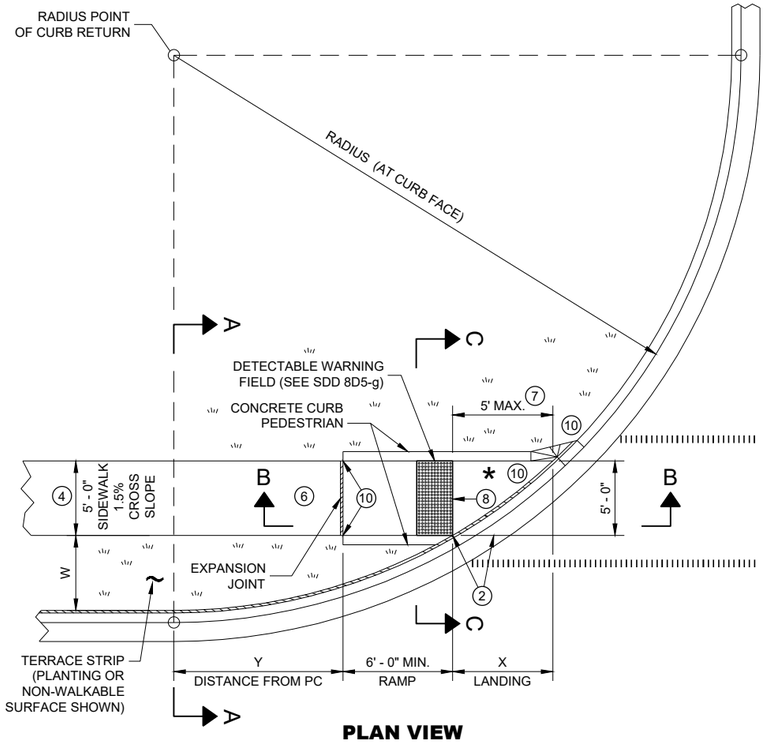
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

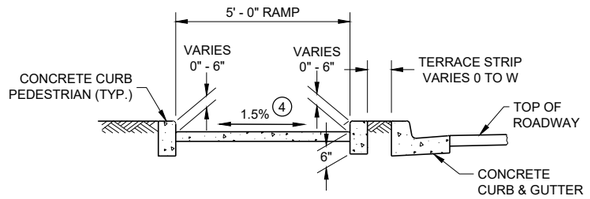


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

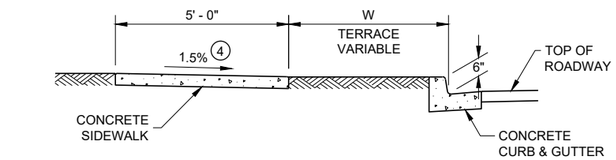
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

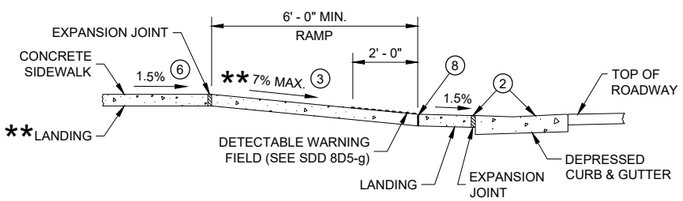
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



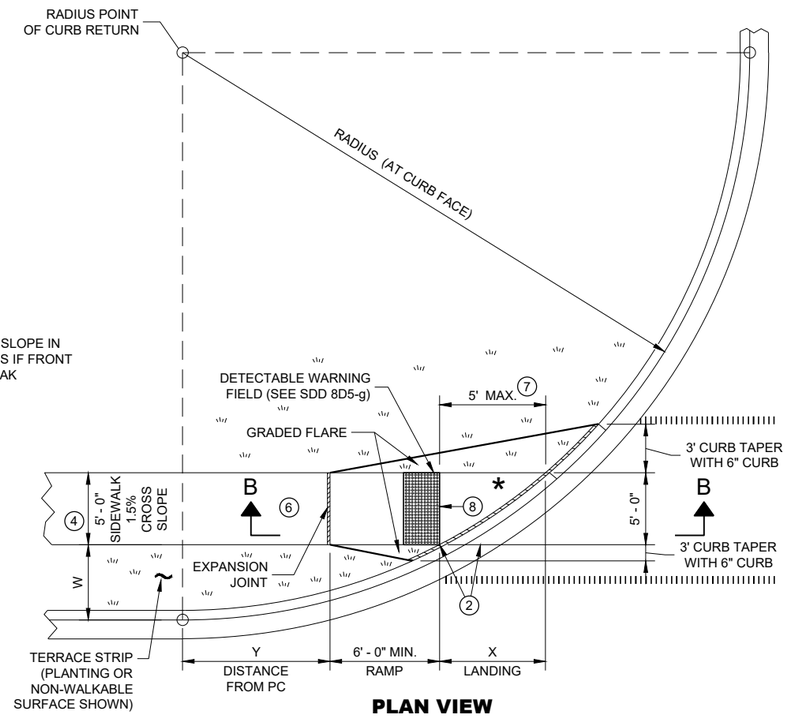
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

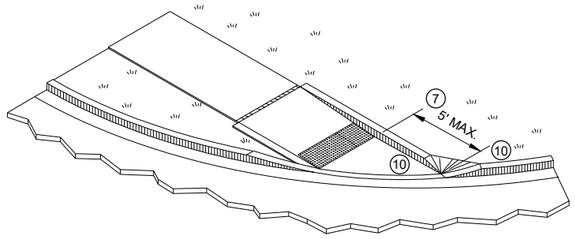
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

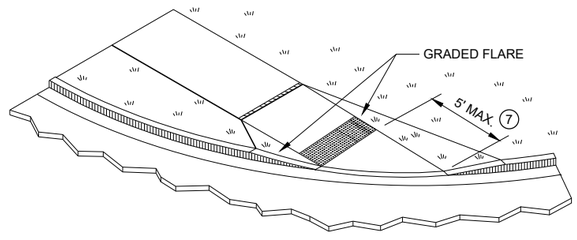


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



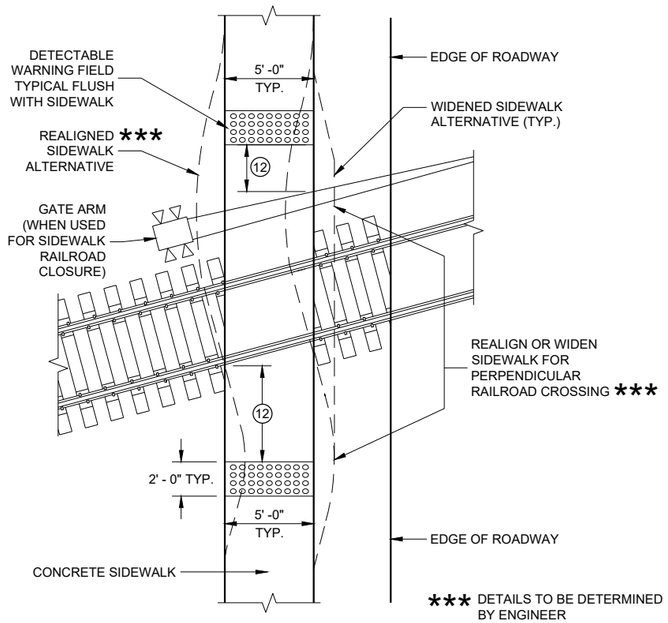
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

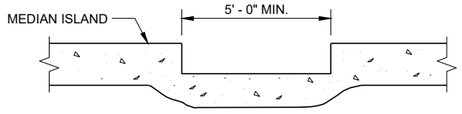
6

SDD 08D05 - 20d

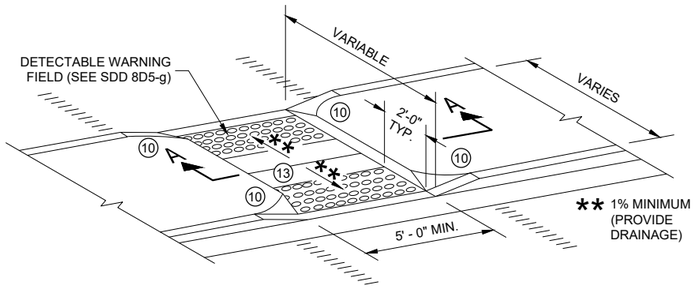


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

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.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

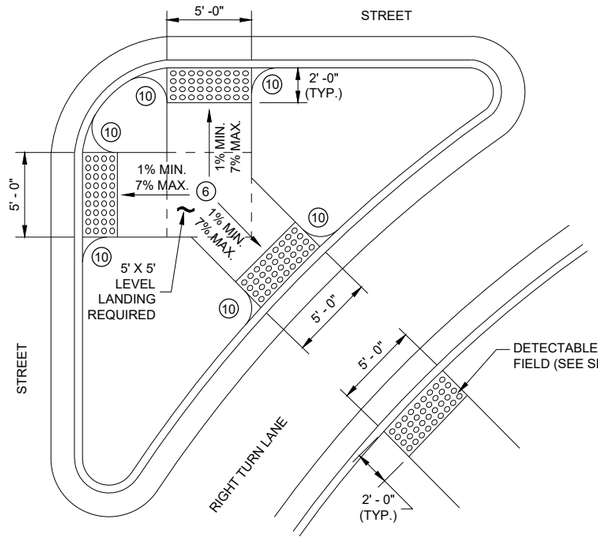
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) 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.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

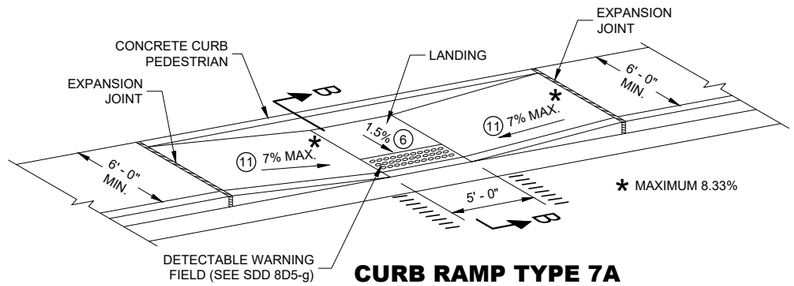
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

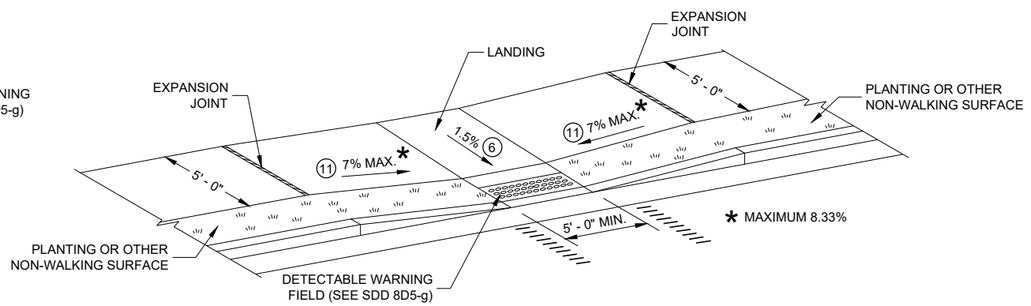
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

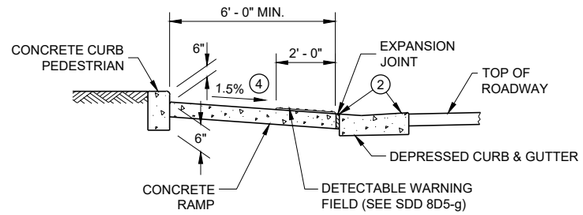
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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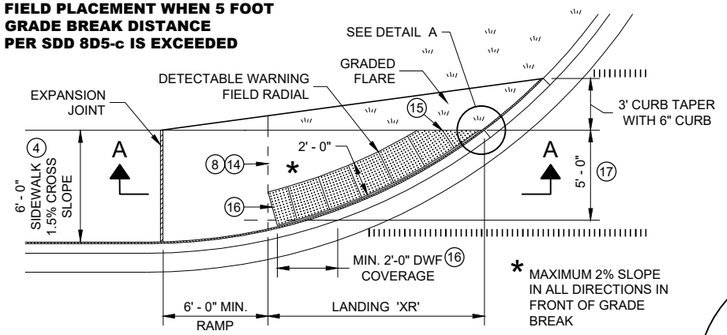
SDD 08D05 - 20e

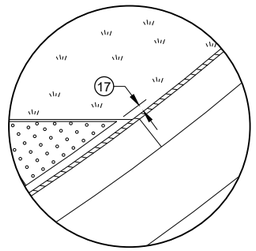
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



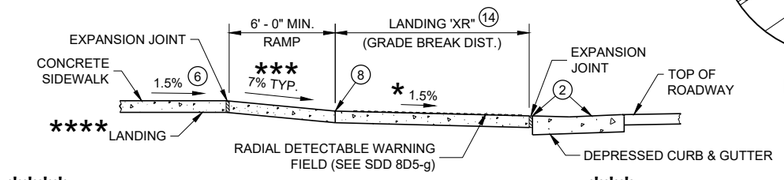
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

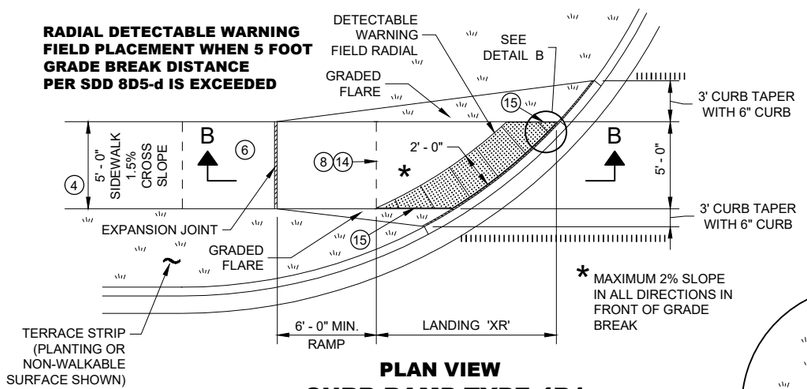


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

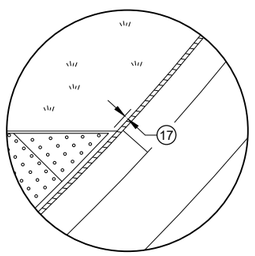
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



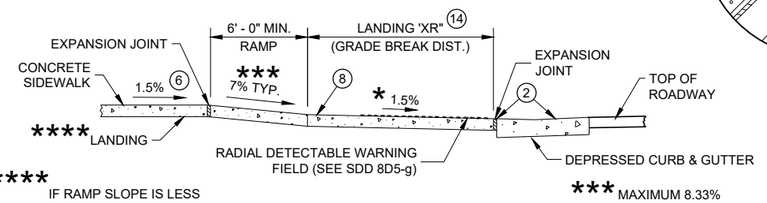
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

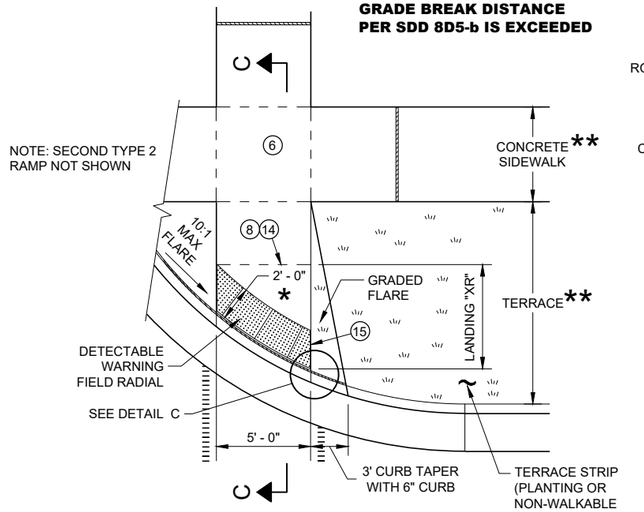
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

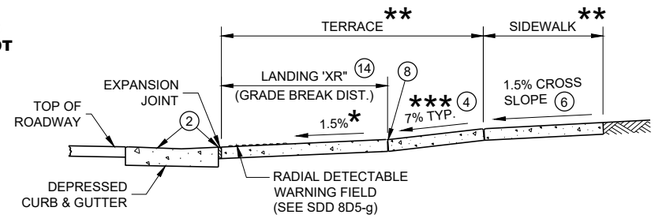


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

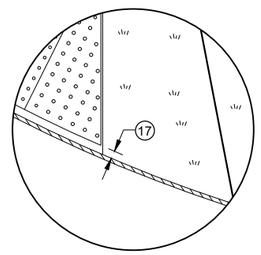


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

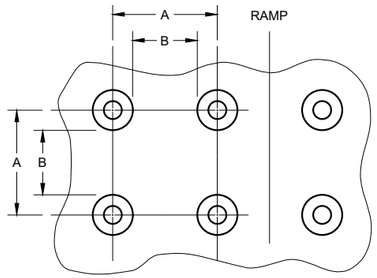
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

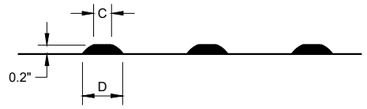
SDD 08D05 - 20f

	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.

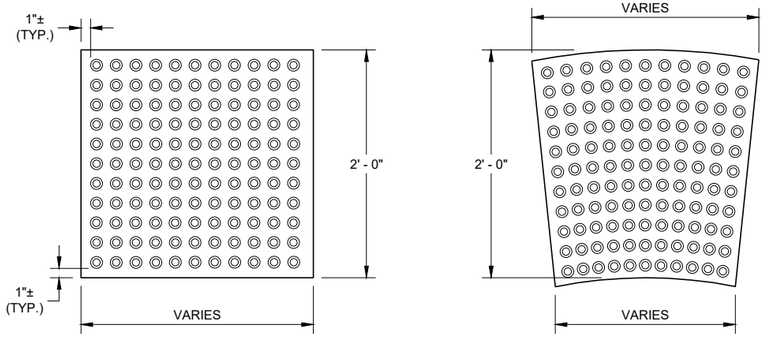


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

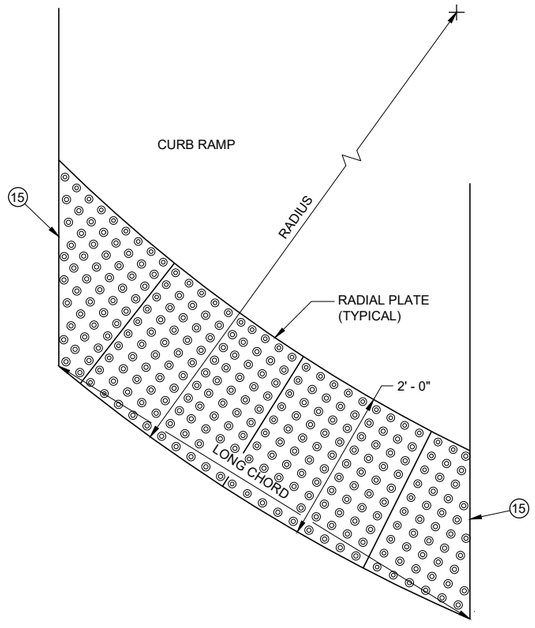
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

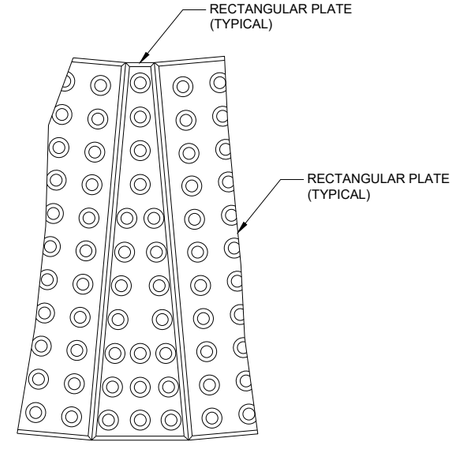
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 08D05 - 20g

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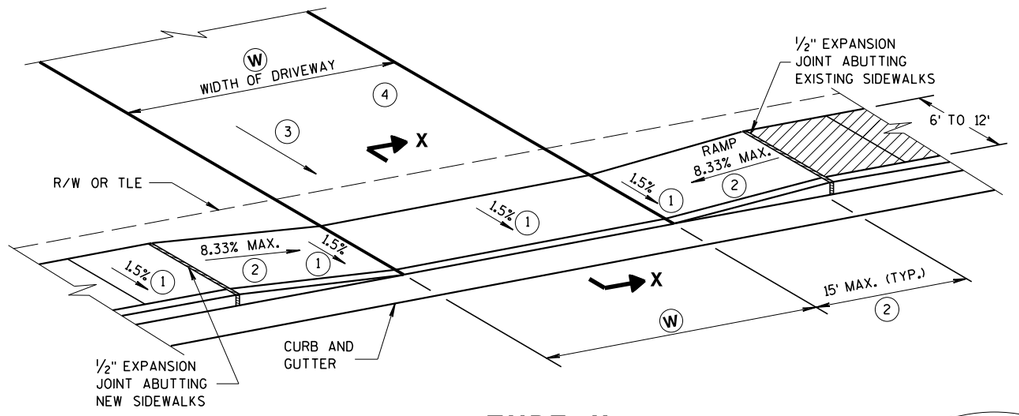
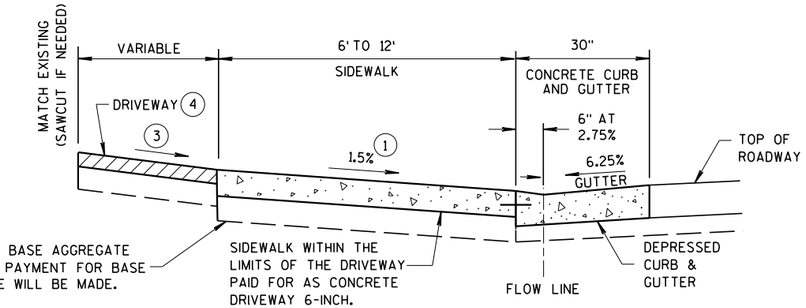
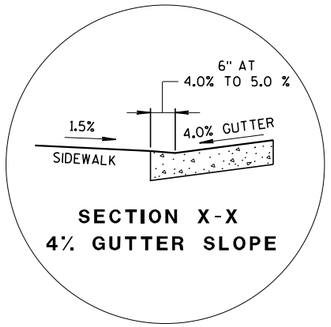
SDD 08D05 - 20g



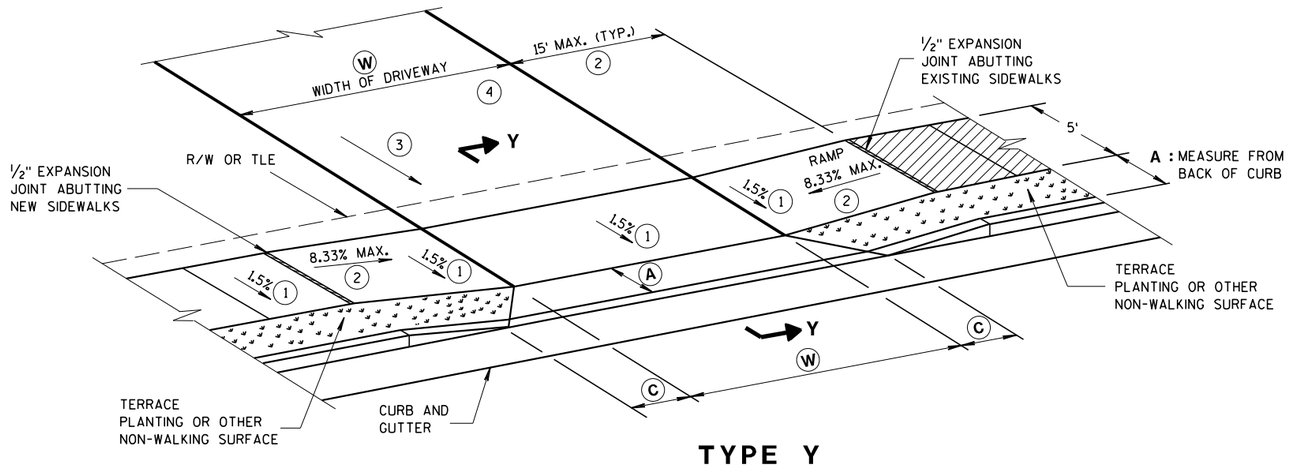
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W
12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

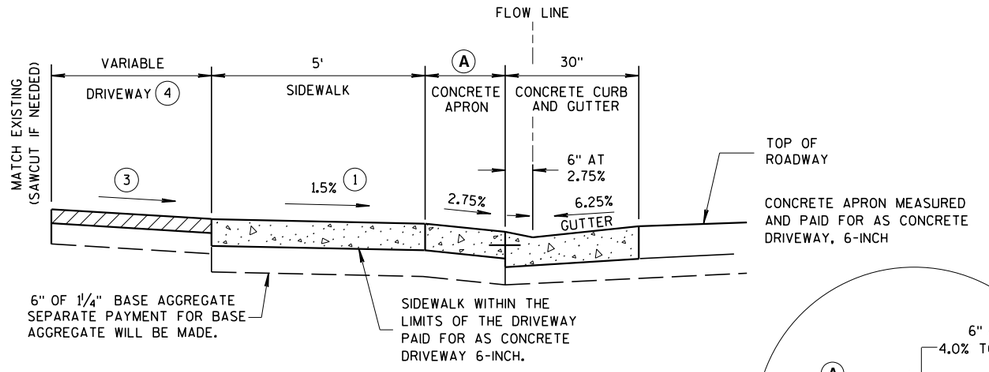
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

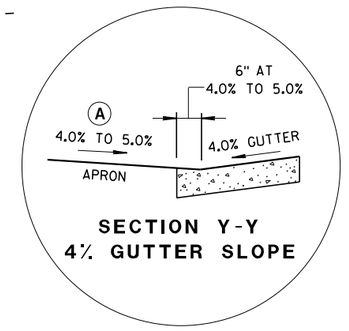
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y



SECTION Y-Y
4% GUTTER SLOPE

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

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S.D.D. 8 D 18-2

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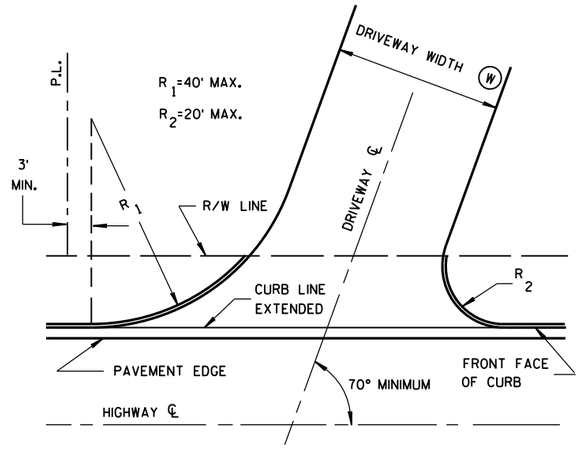
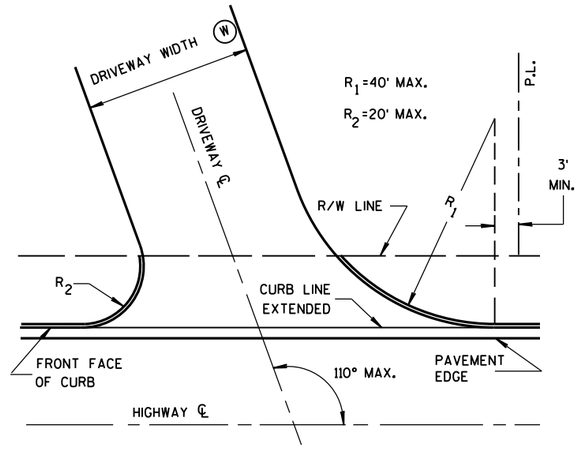
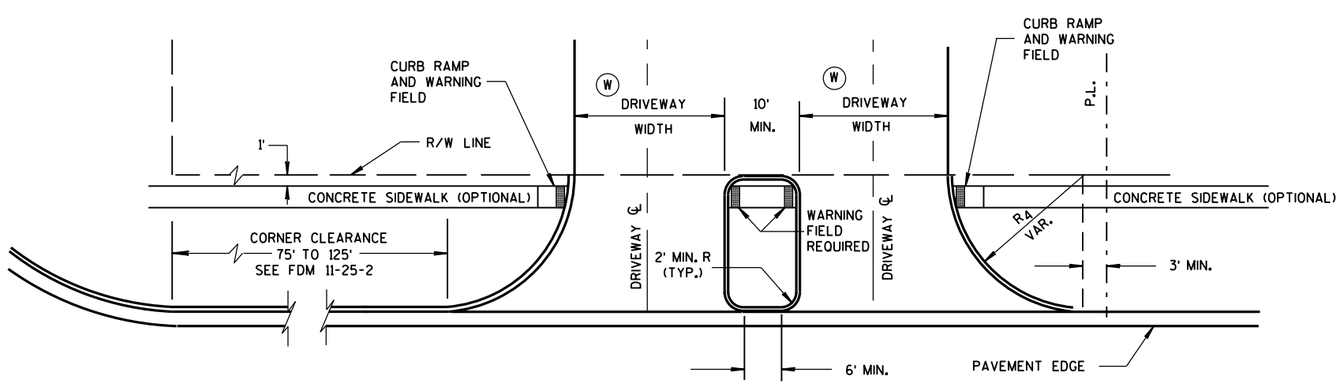
S.D.D. 8 D 18-2





SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND NON-COMMERCIAL - 24' MAX., 12' MIN.

DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
ENT
FHWA

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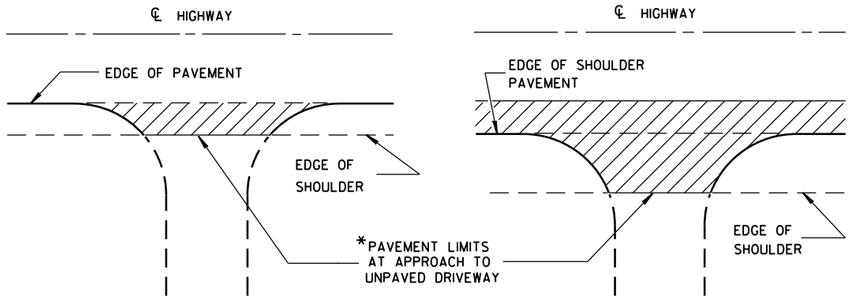
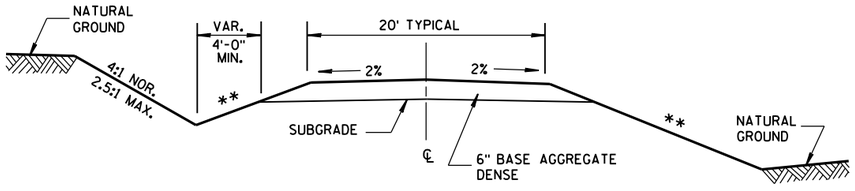


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB & GUTTER OR SIDEWALK)

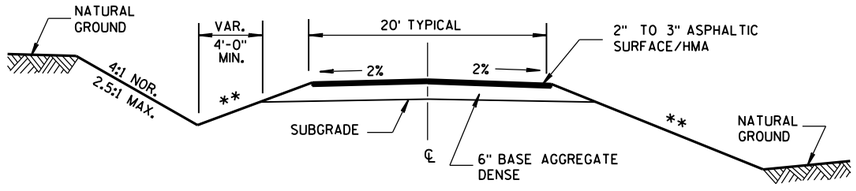


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

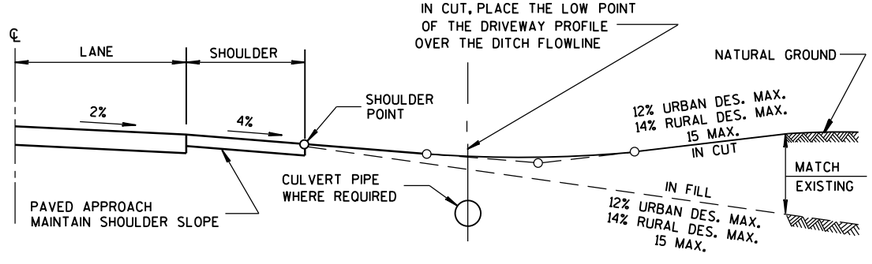
** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥35 TO <60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE



TYPICAL DRIVEWAY PROFILES

DRIVEWAYS WITHOUT CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS UNIT SUPERV — ENT
FHWA

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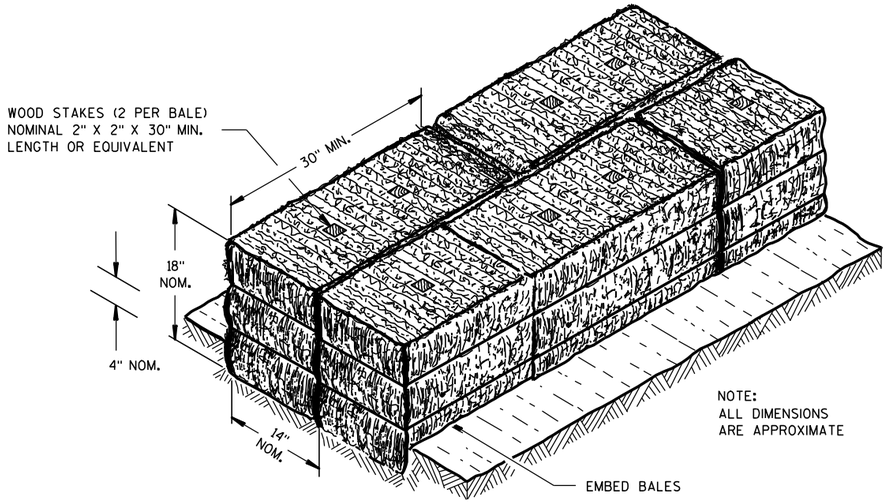
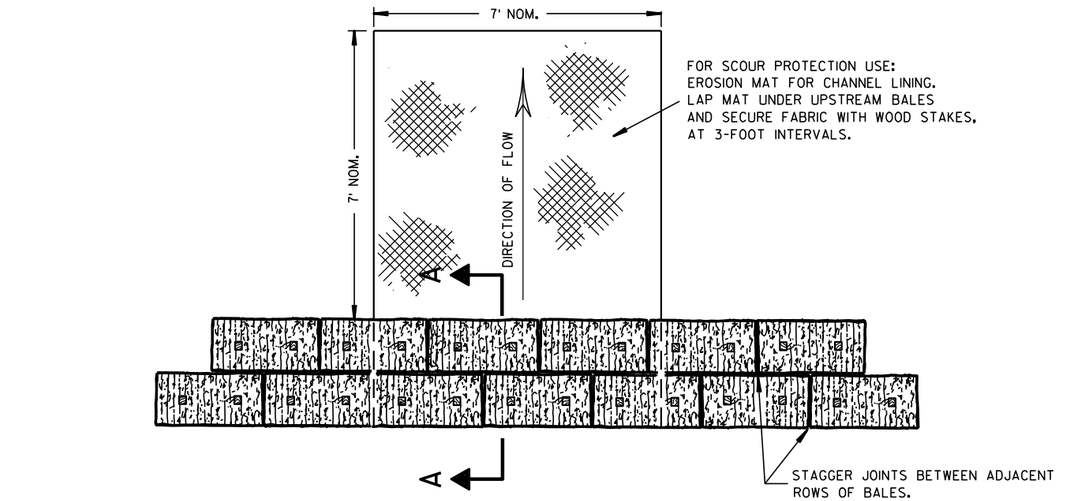
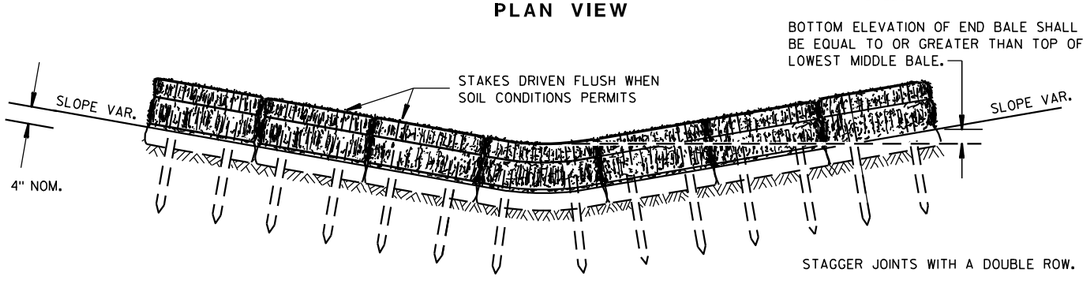


SECTION A-A



PLAN VIEW



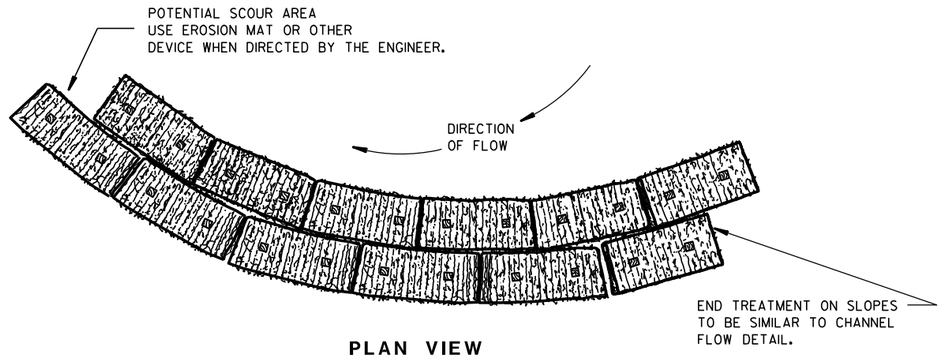
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

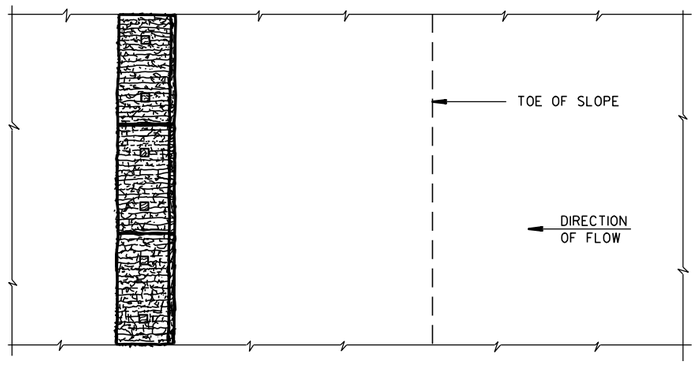
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

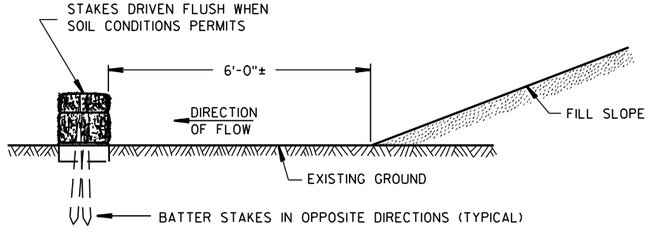


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

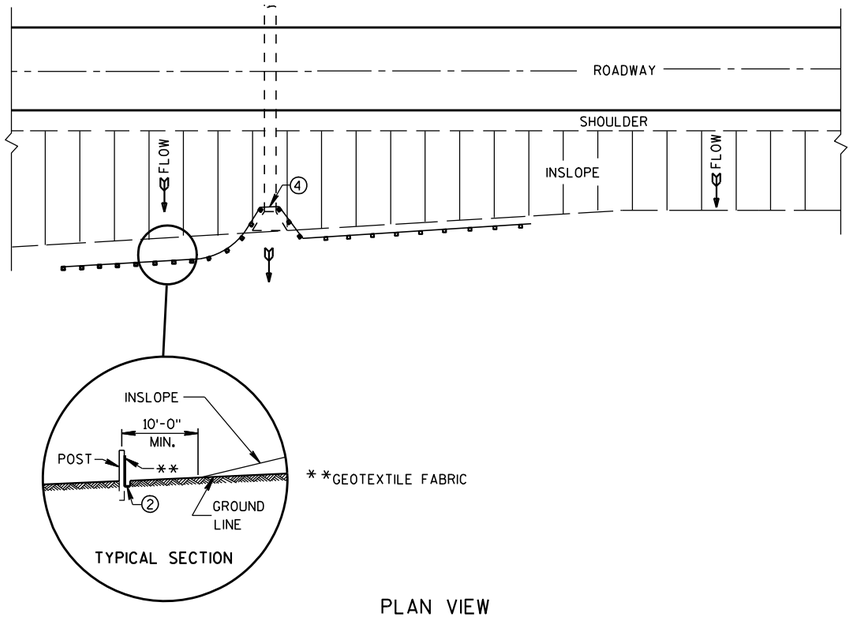
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

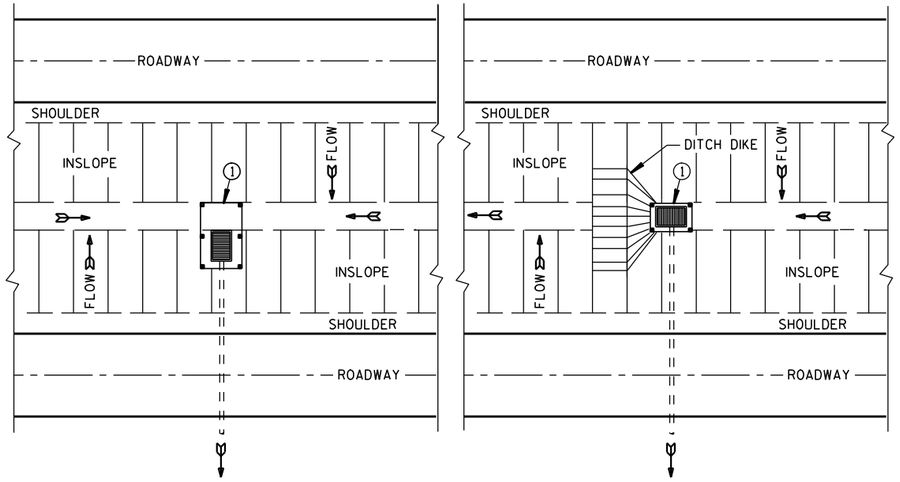
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



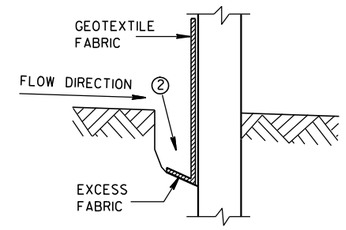
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

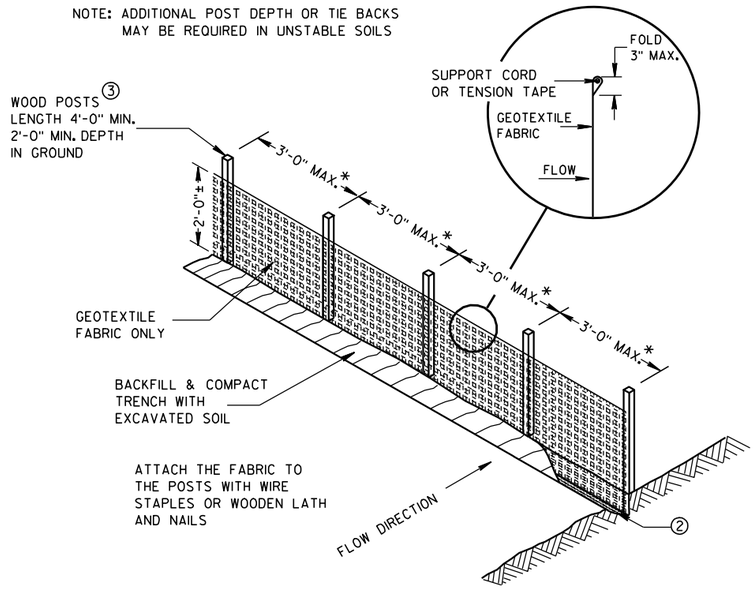
GENERAL NOTES

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

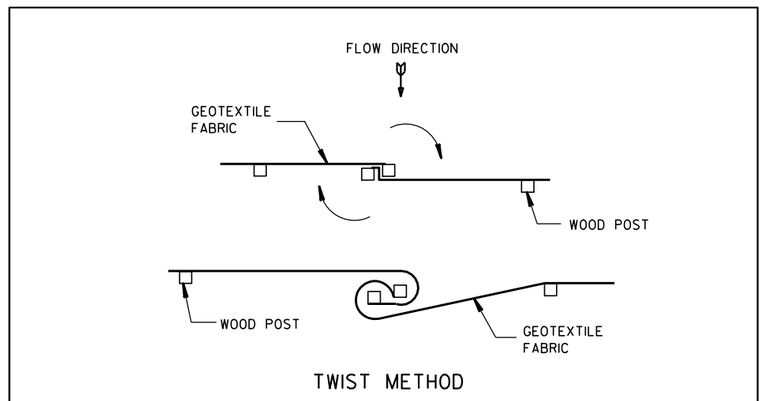
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



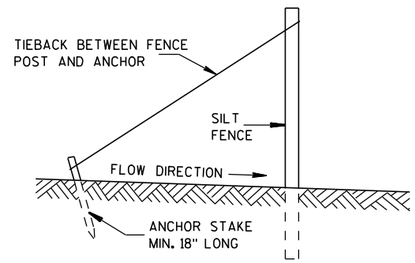
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 9-6

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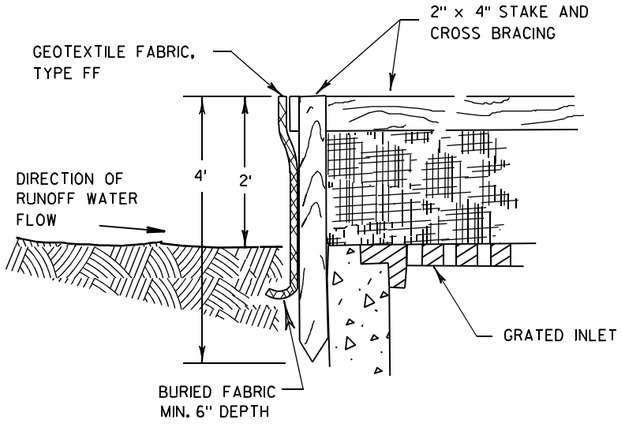
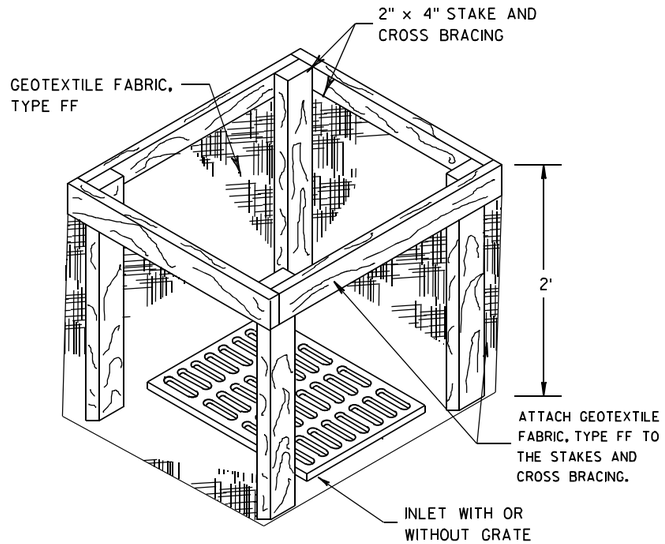
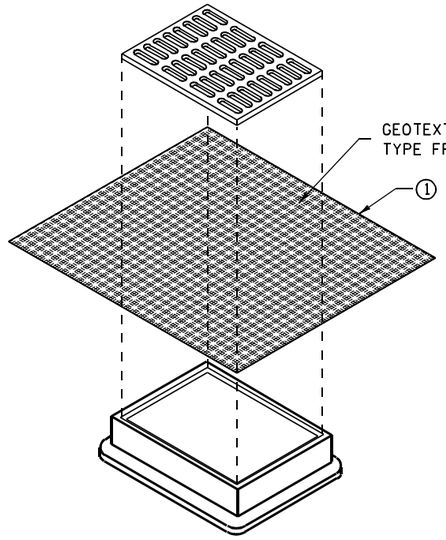
S.D.D. 8 E 9-6



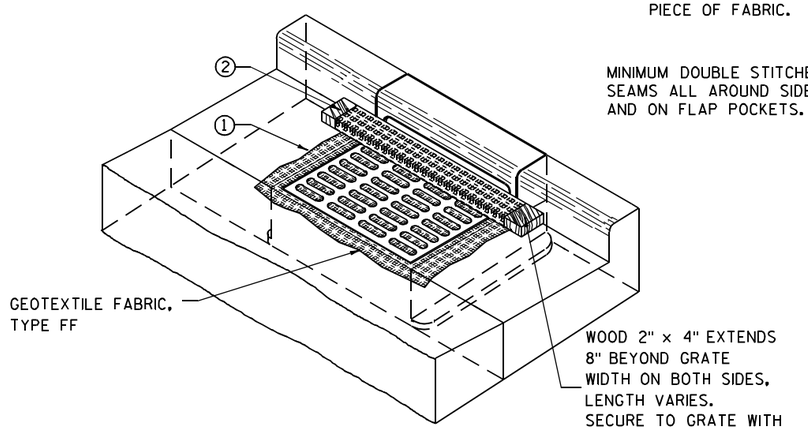


INLET PROTECTION, TYPE A

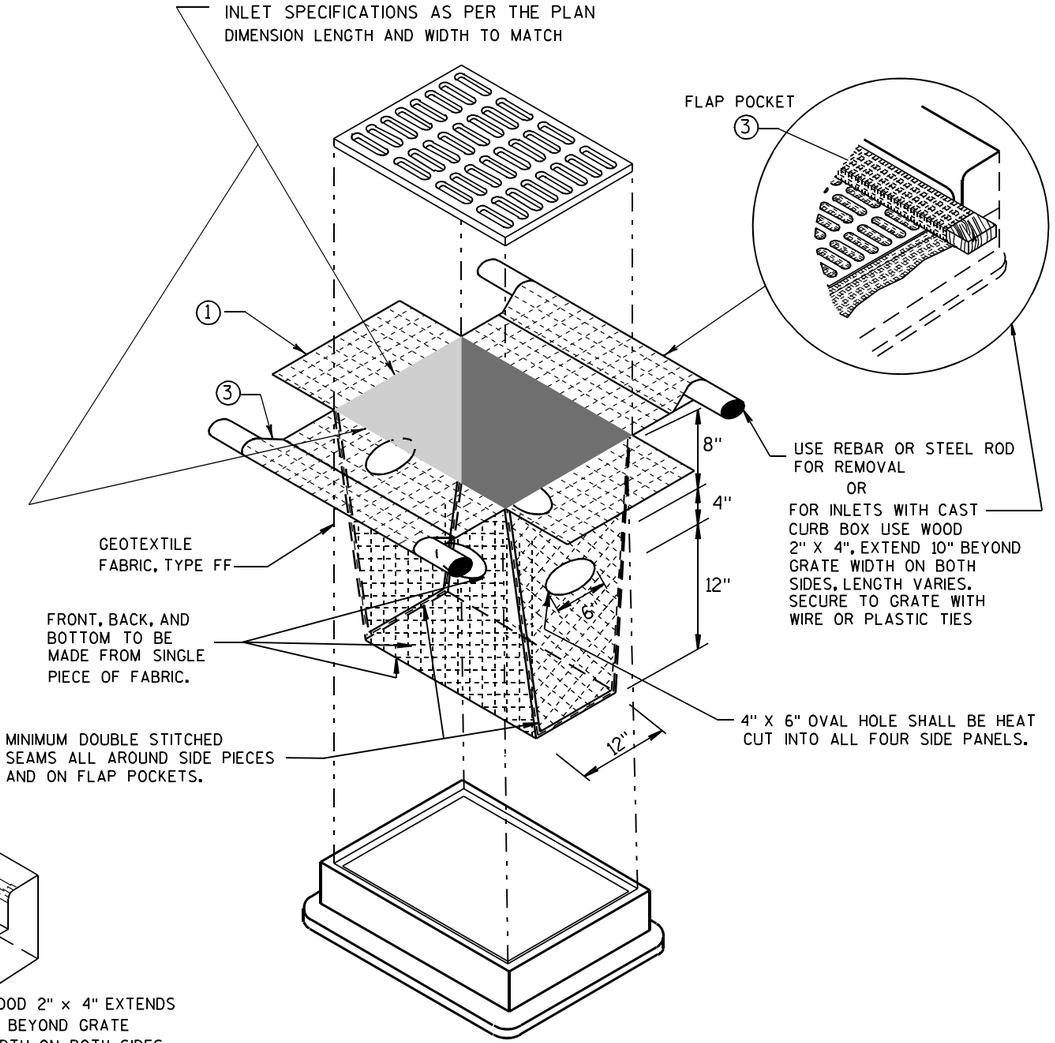


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6

S.D.D. 8 E 10-2

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S.D.D. 8 E 10-2

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.

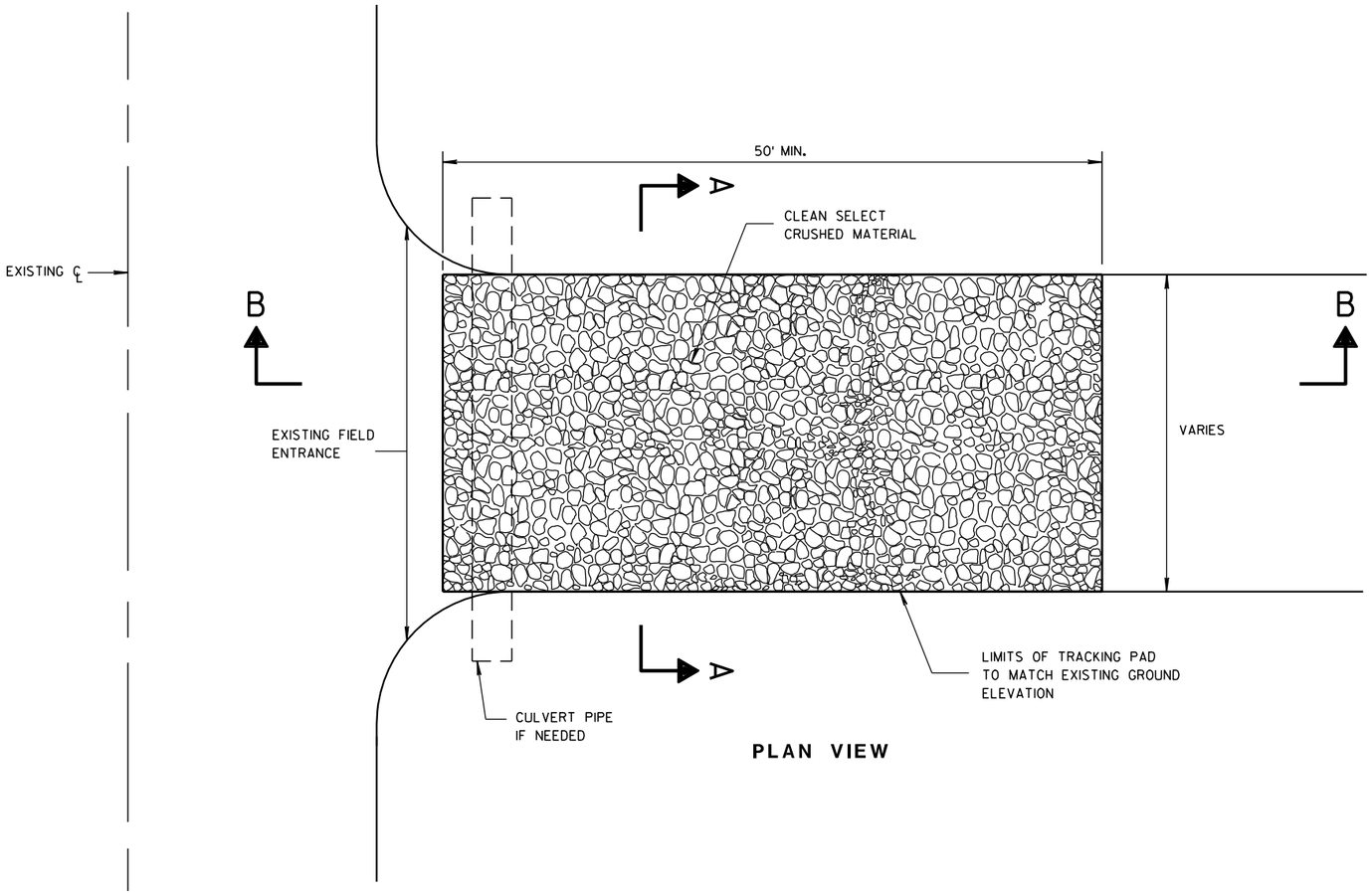
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

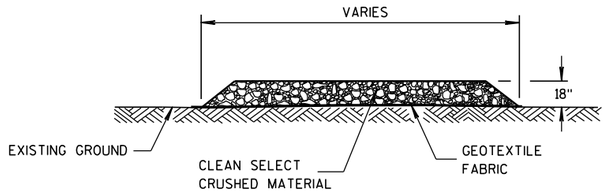
SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

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.

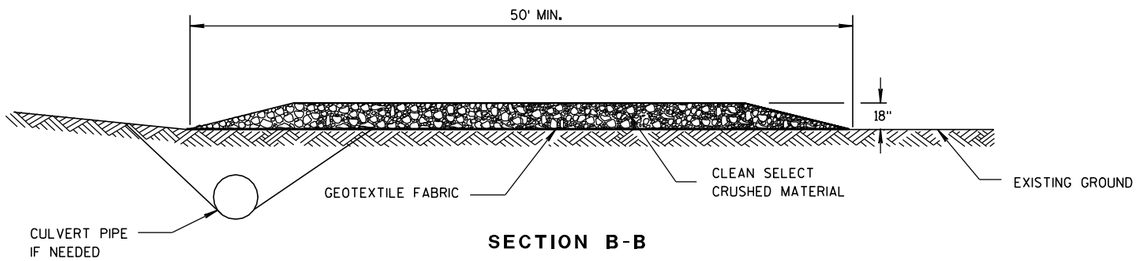
THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



PLAN VIEW



SECTION A-A



SECTION B-B

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011 — DATE

/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER

375 ENT

FHWA

S.D.D. 8 E 14-1

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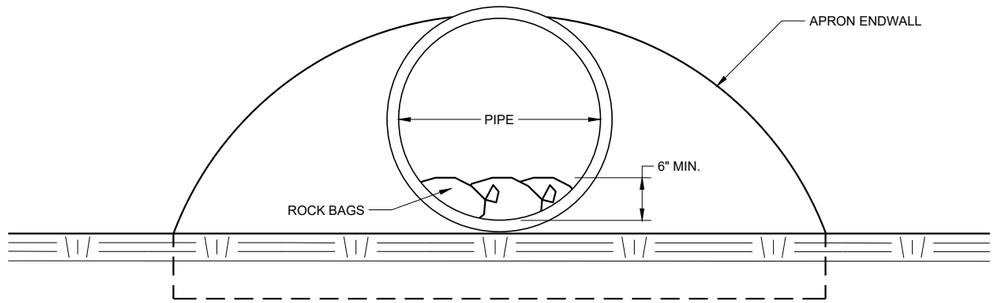
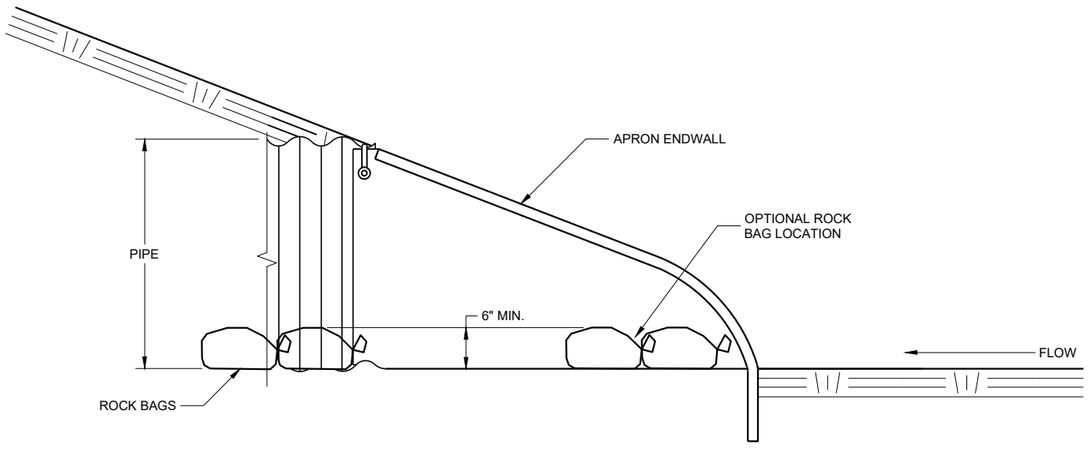
S.D.D. 8 E 14-1



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

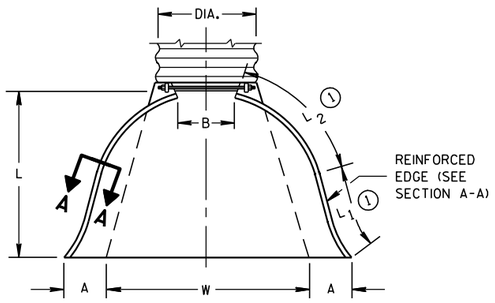
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

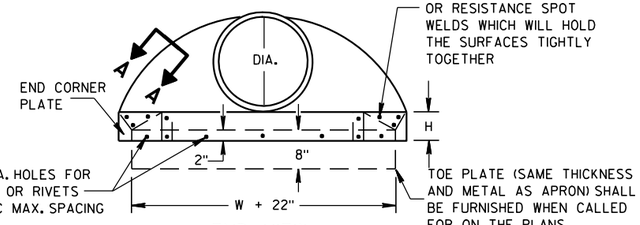
REINFORCED CONCRETE APRON ENDWALLS

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

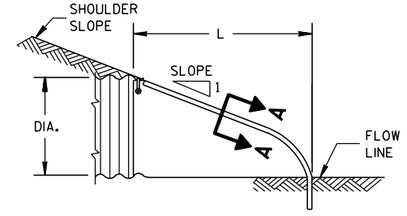
*MINIMUM
**MAXIMUM



PLAN VIEW

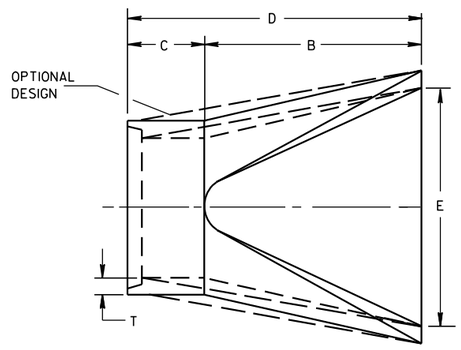


END VIEW

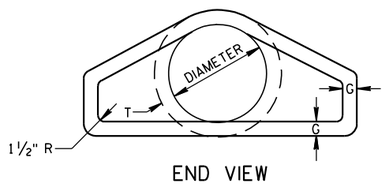


SIDE ELEVATION

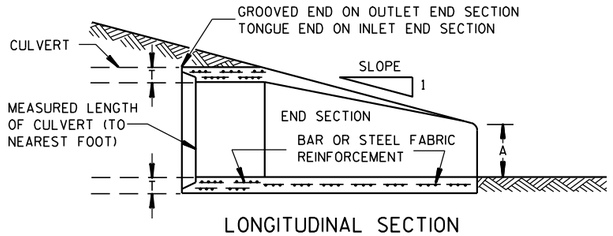
METAL ENDWALLS



PLAN

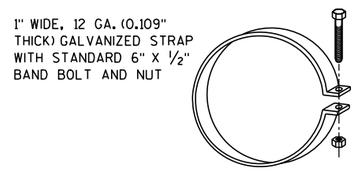


END VIEW



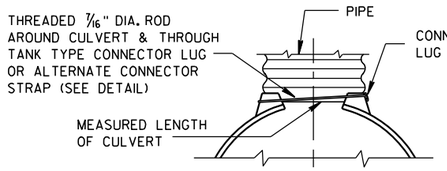
LONGITUDINAL SECTION

CONCRETE ENDWALLS

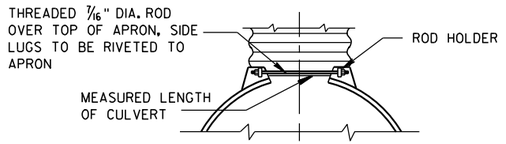


ALTERNATE FOR TYPE 1 CONNECTION

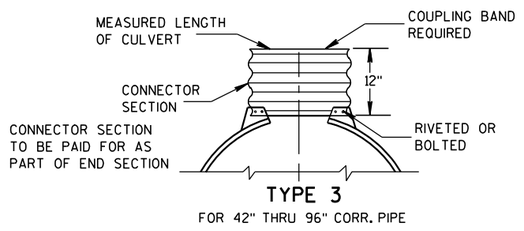
END SECTION CONNECTOR STRAP



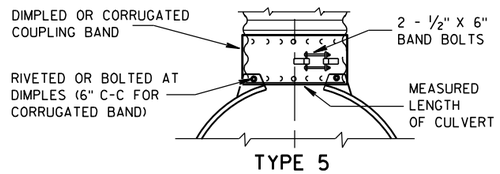
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

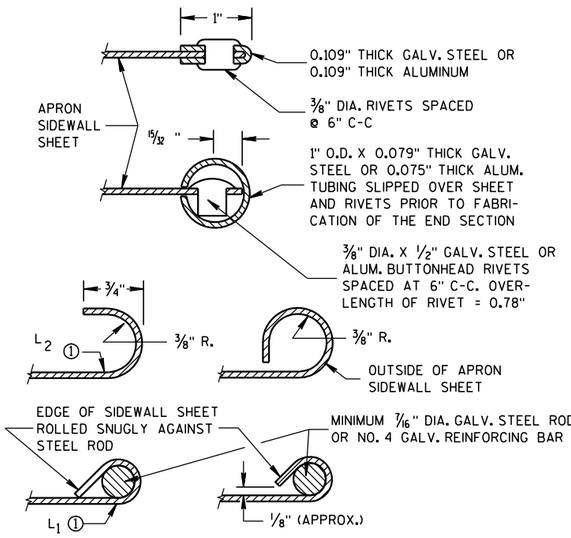
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

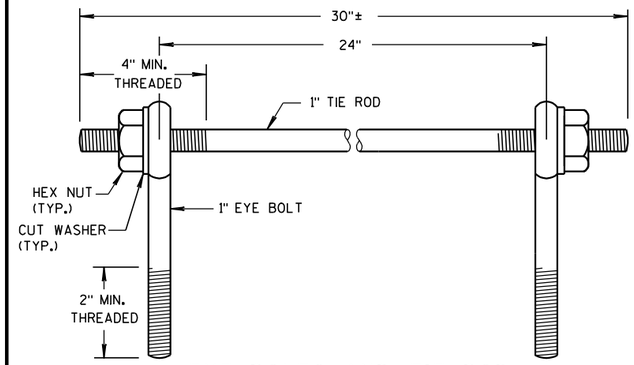
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

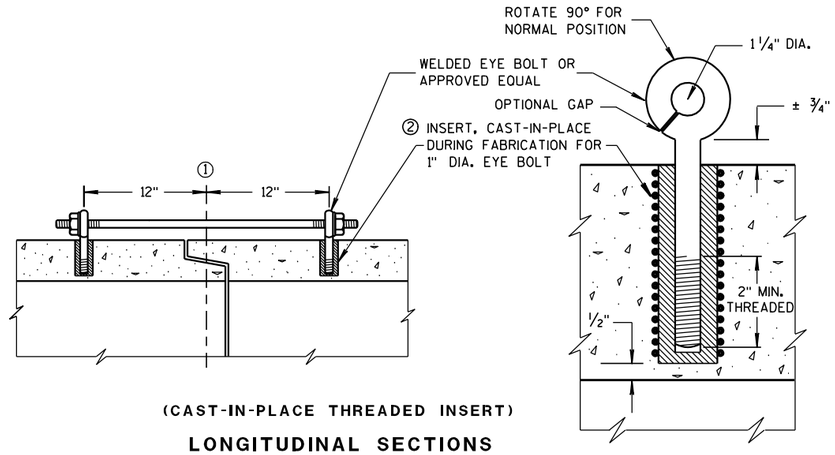
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith 377
CHIEF ROADWAY DEVELOPMENT ENGINEER
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.

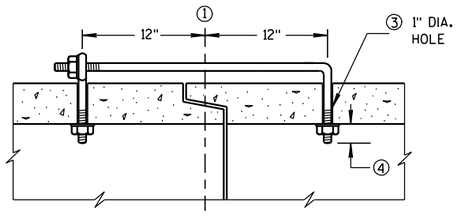
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

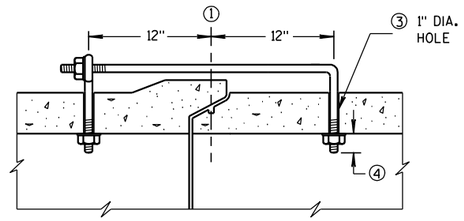
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

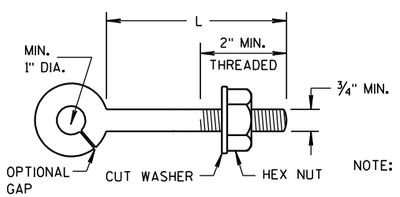


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

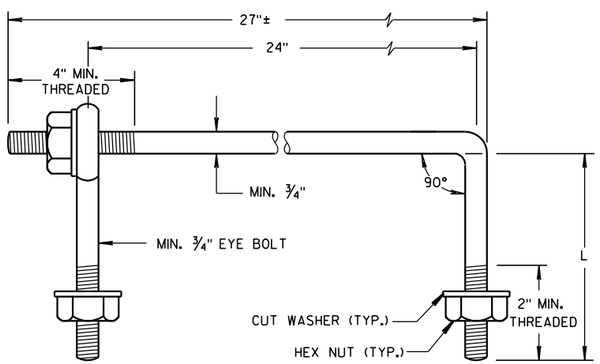
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

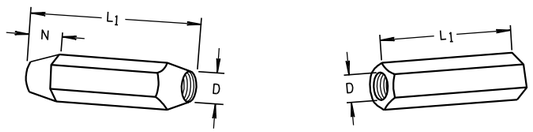
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

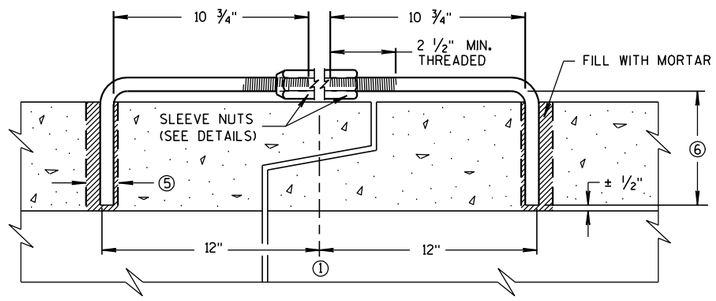
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

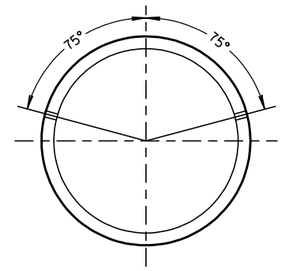
SLEEVE NUTS



LONGITUDINAL SECTION

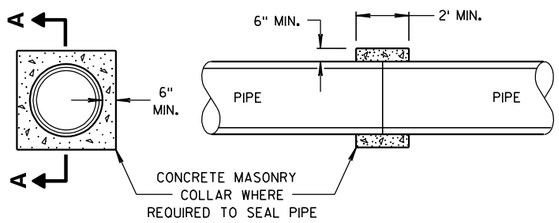
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

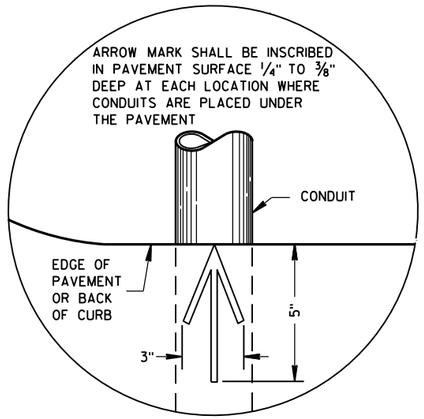
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
378
FHWA

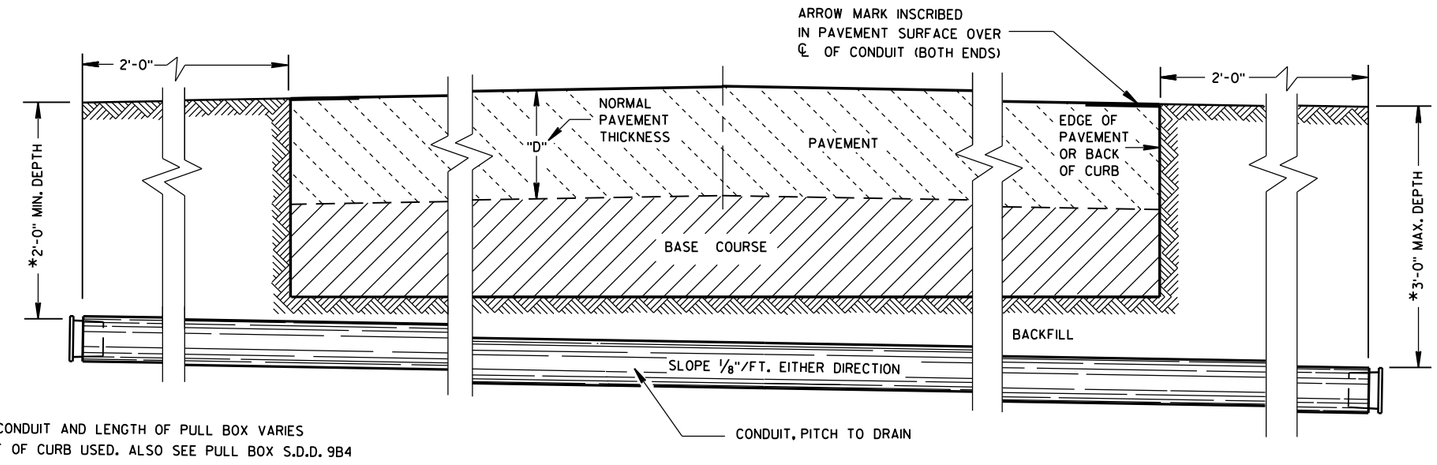
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*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

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.).

TRACER 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.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 379
FHWA

6

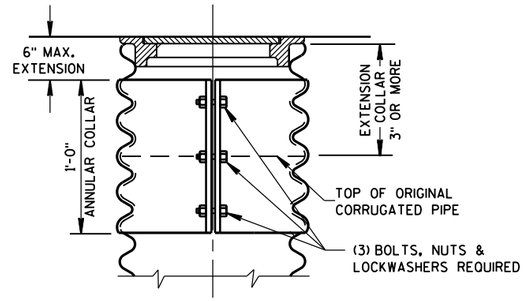
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

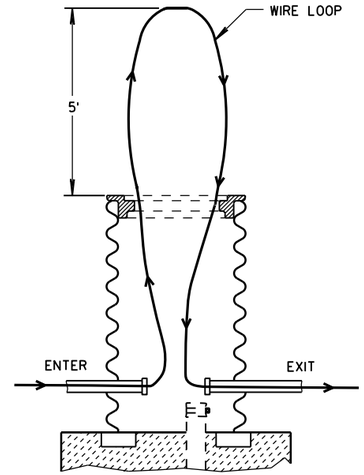
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

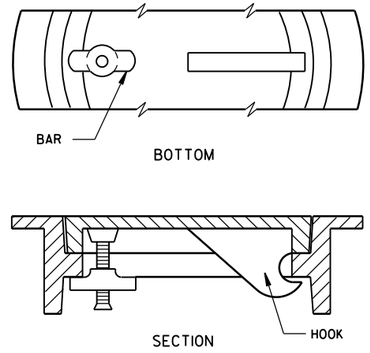
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

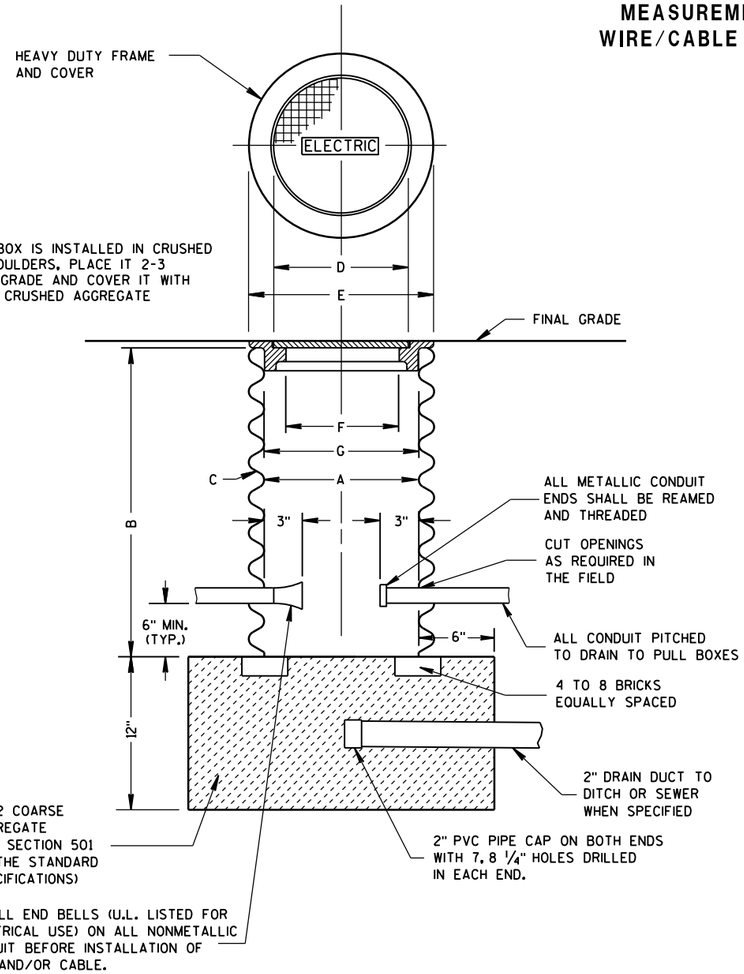


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



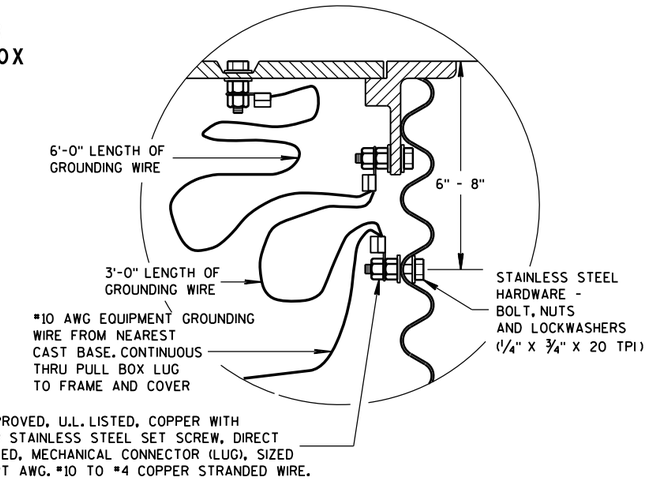
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

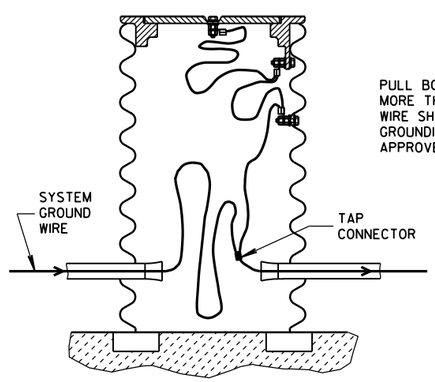


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX 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

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

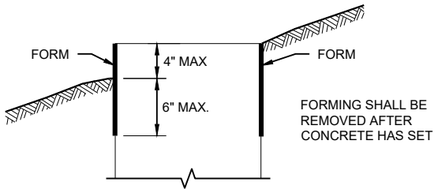
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 380
FHWA

6

S.D.D. 9 B 4-11

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
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 DRAWINGSHALL 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 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 A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X 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 NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL BENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC 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, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES 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 OF THE STANDARD SPECIFICATIONS.

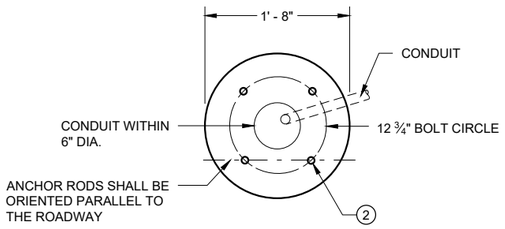
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

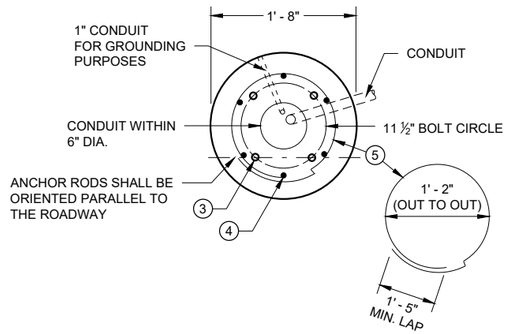
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

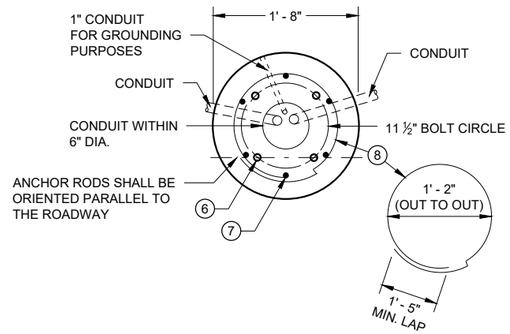
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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 OF 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 STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

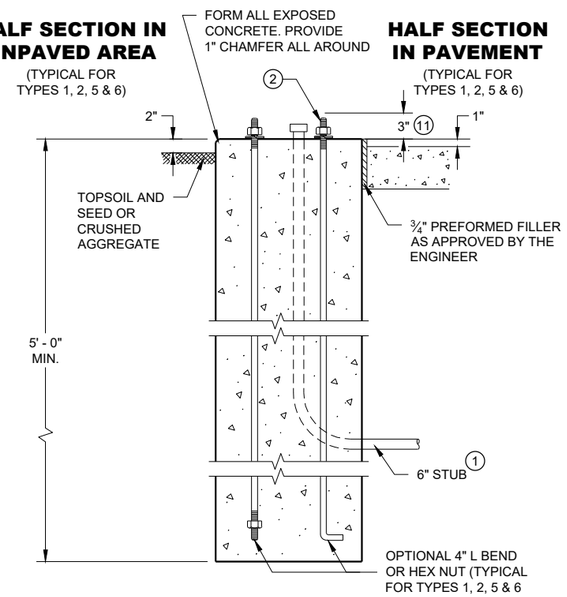
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

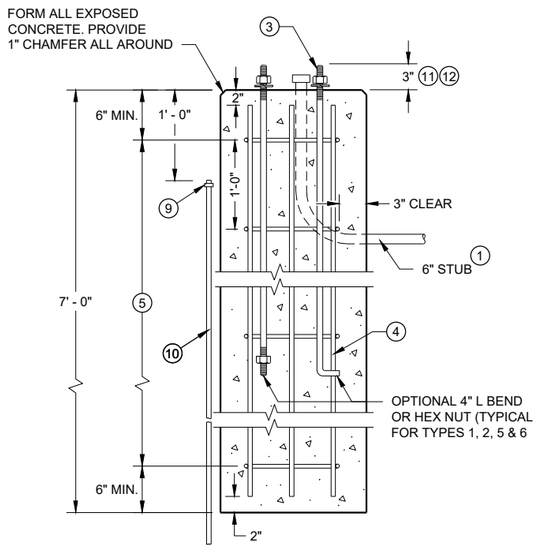
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

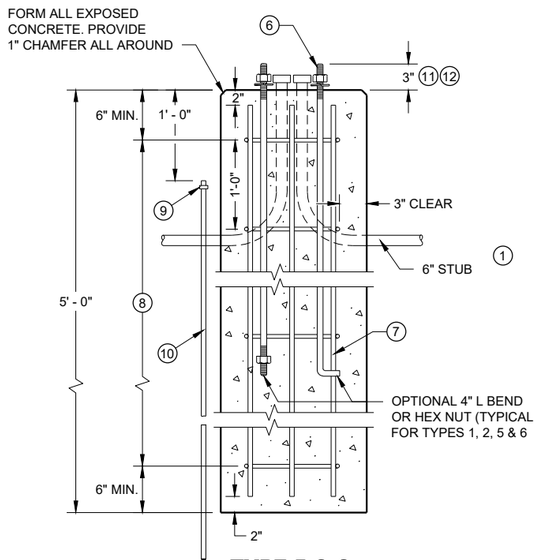
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 381

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

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, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

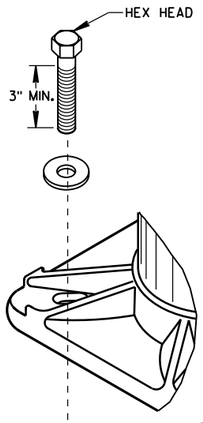
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

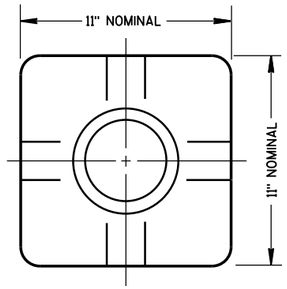
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

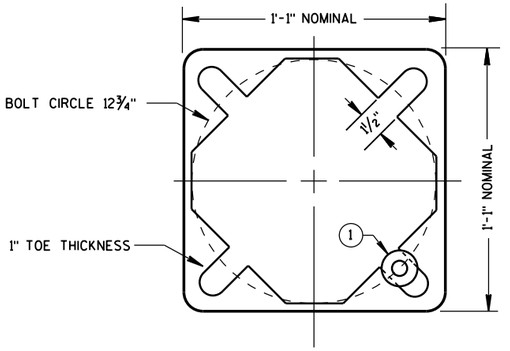
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

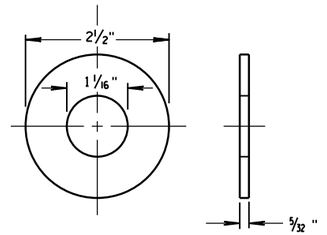




TOP VIEW
(PEDESTAL BASE)

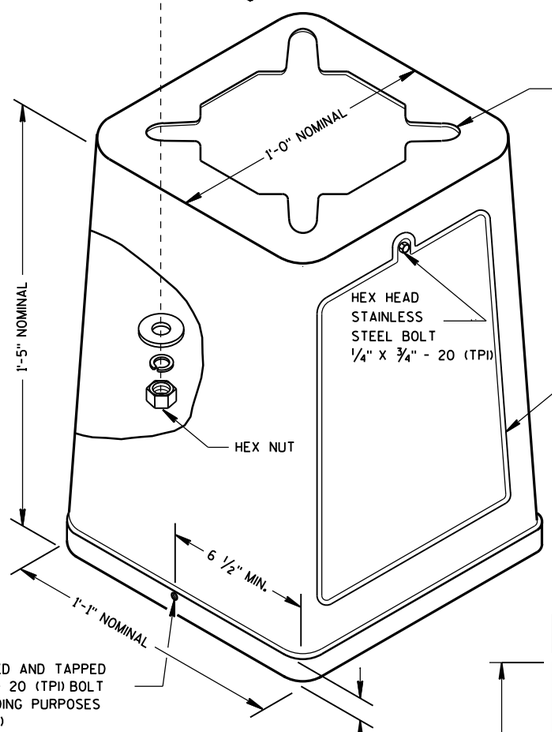


BOTTOM VIEW
(PEDESTAL BASE)

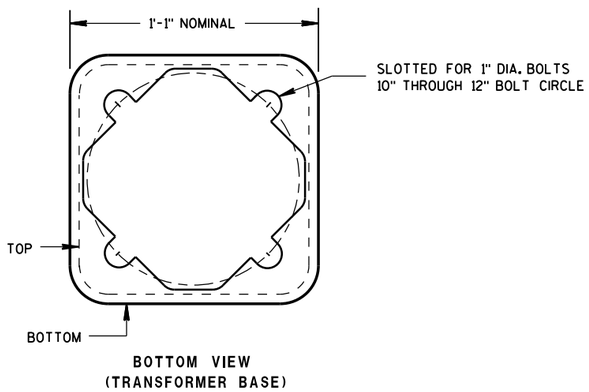


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

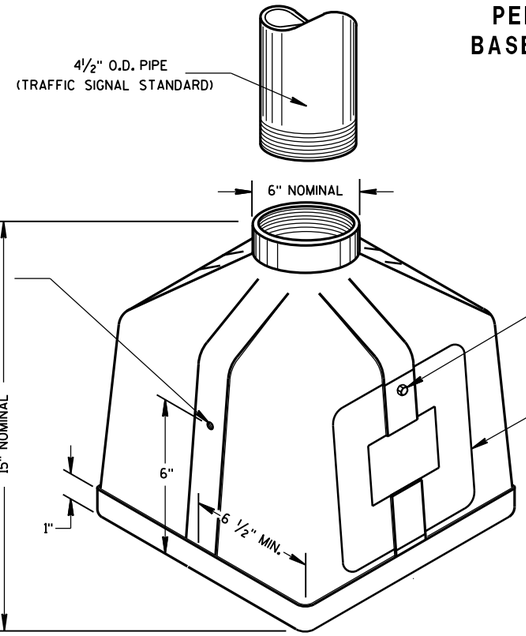
PEDESTAL BASE WASHER (1)



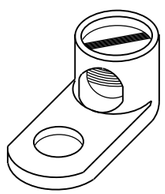
ISOMETRIC VIEW



BOTTOM VIEW
(TRANSFORMER BASE)

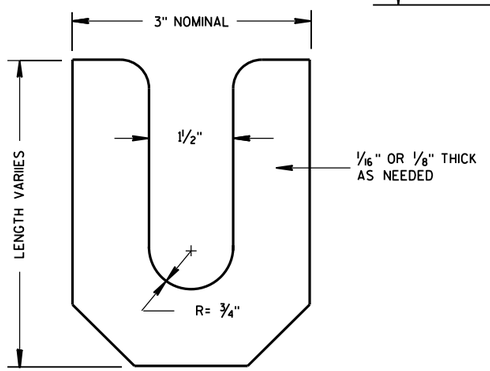


ISOMETRIC VIEW
PEDESTAL BASE



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 3-4

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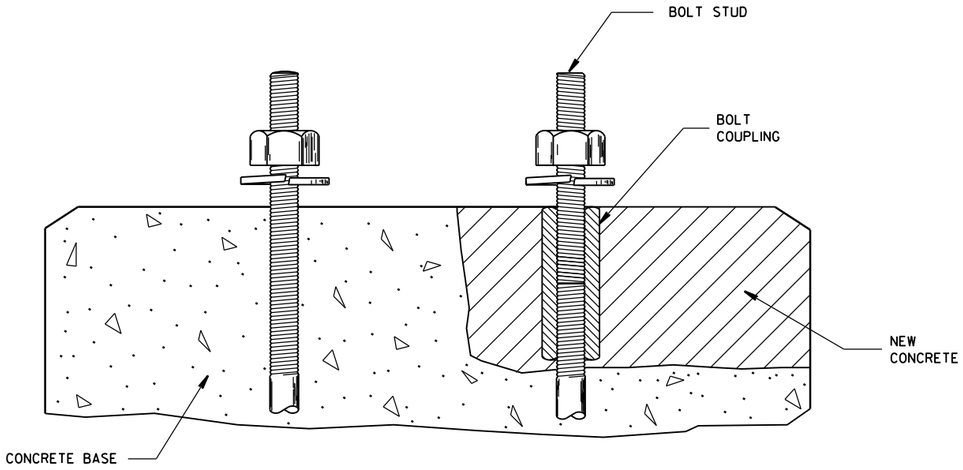
S.D.D. 9 C 3-4



STEP 2
SECTION VIEW

ALL THREADING SHALL BE STANDARD UNIFIED NATIONAL COARSE SERIES WITH-

1" - 8 THREADS PER INCH
¾" - 10 THREADS PER INCH
⅝" - 11 THREADS PER INCH

GENERAL NOTES

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

CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 501 OF THE STANDARD SPECIFICATIONS.

BOLT COUPLINGS AND BOLT STUDS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS FOR ANCHOR RODS IN SUBSECTION 654.2.1 FOR GRADE 105 ANCHOR BOLTS AND 641.2.2 FOR GRADE 55 ANCHOR BOLTS IN THE STANDARD SPECIFICATIONS.

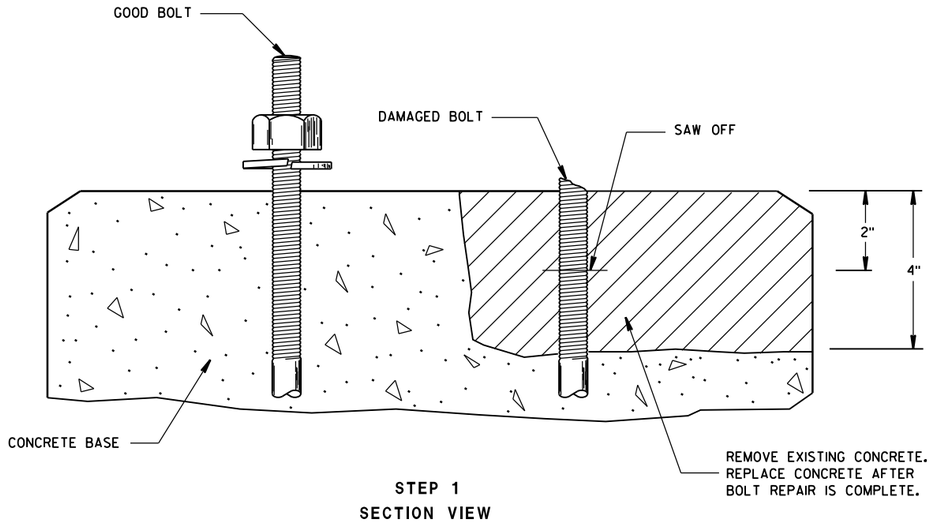
BOLT STUDS SHALL BE THREADED ALONG THEIR ENTIRE LENGTH.

THREADS ON BOLTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE COATINGS TO PERMIT NUTS TO RUN FREELY ON THE THREADS.

A FORM SHALL BE USED WHEN REPLACING THE CONCRETE THAT WAS REMOVED FOR BOLT REPAIR.

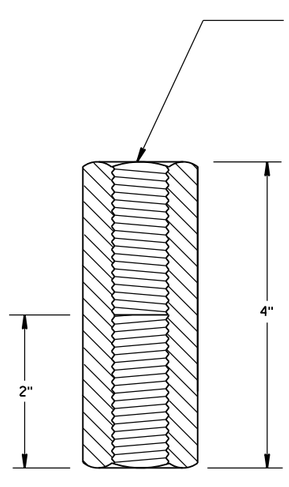
THE CURVATURE OF THE FORM SHALL CONFORM TO THE BASE DIAMETER AND BE LARGE ENOUGH TO COMPLETELY COVER THE OPENING IN THE SIDE OF THE CONCRETE BASE.

IN THE EVENT THAT A REINFORCING ROD IS SO CLOSE TO A BOLT BEING REPAIRED THAT THE COUPLING CANNOT BE INSTALLED, CUT OFF THE REINFORCING ROD.

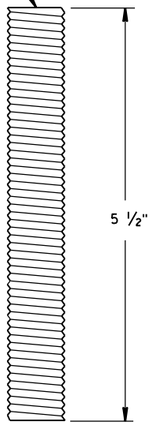


STEP 1
SECTION VIEW

CONCRETE BASE BOLT REPAIR



SECTION VIEW
BOLT COUPLING



BOLT STUD

CONCRETE BASE
BOLT REPAIR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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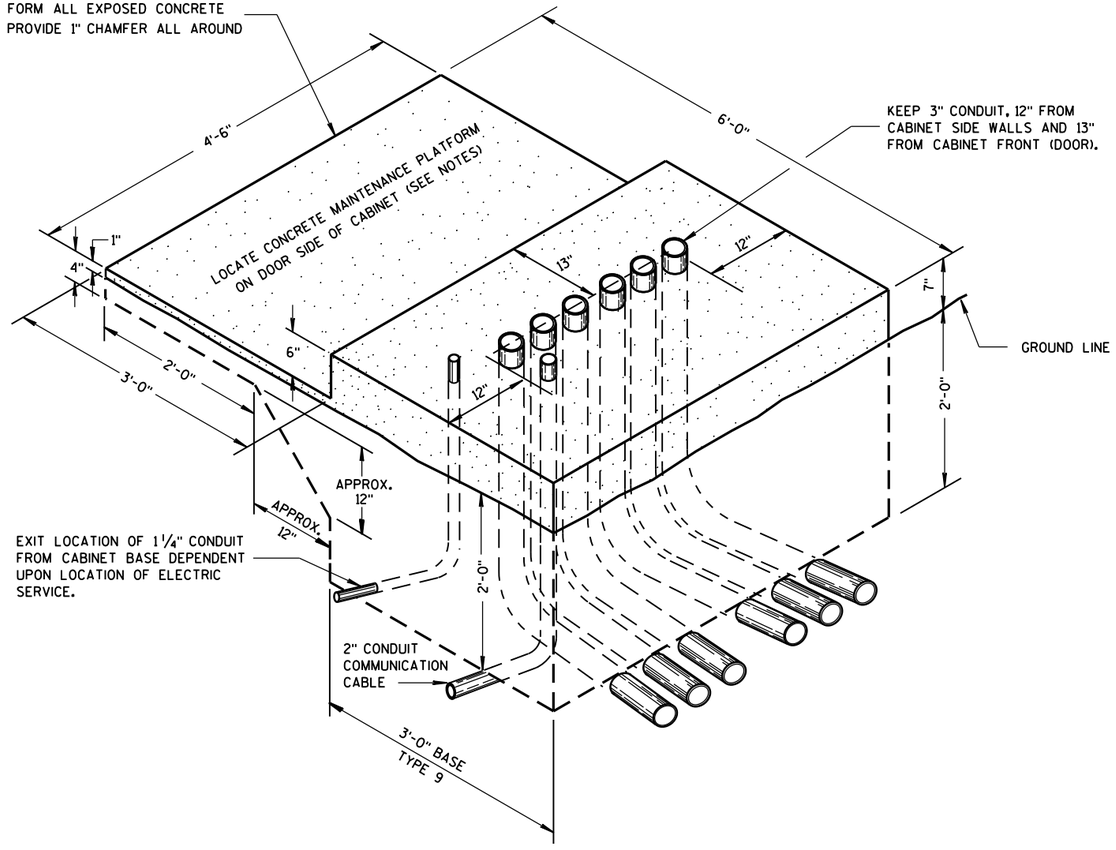
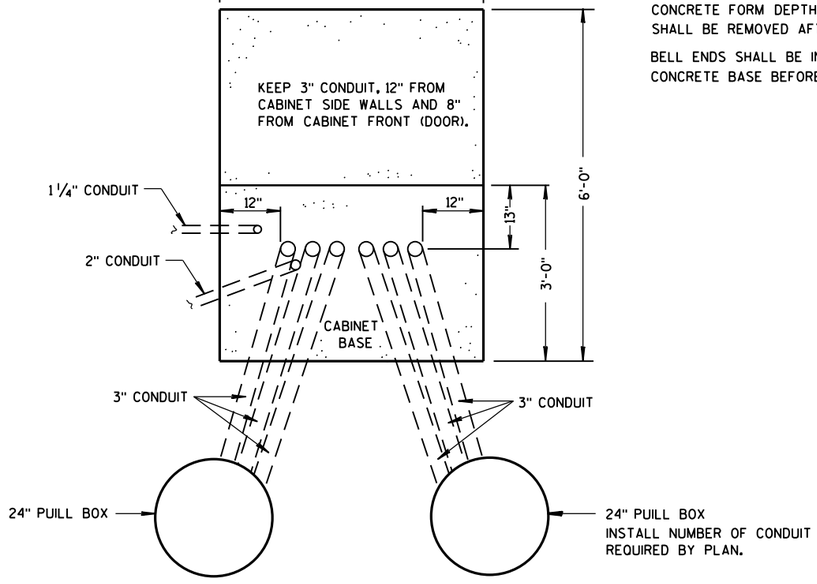


ISOMETRIC VIEW

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 WITH A PULLOUT STRENGTH OF 9,000 LBS. 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
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 384
FHWA

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

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

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

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

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

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

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

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

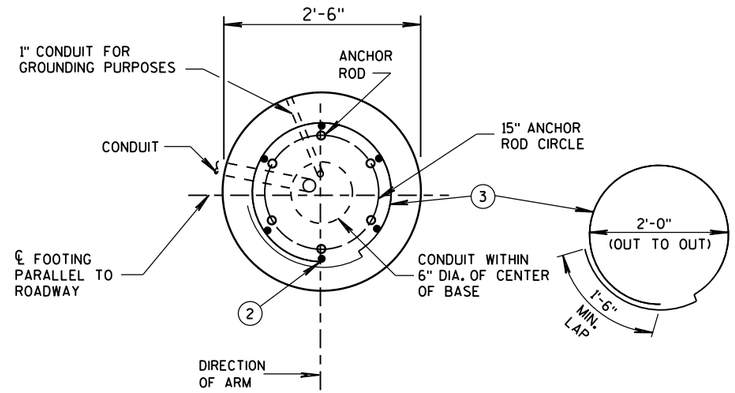
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

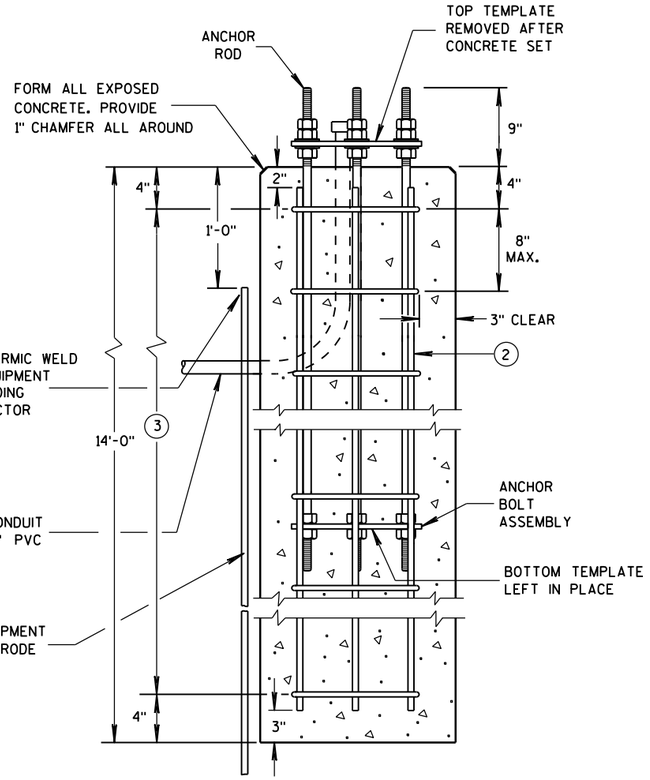
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

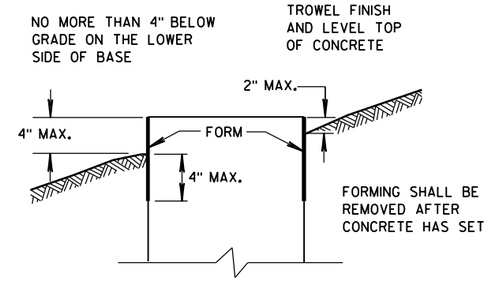




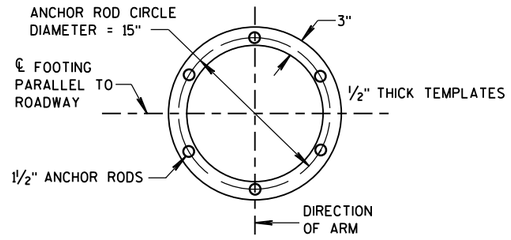
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

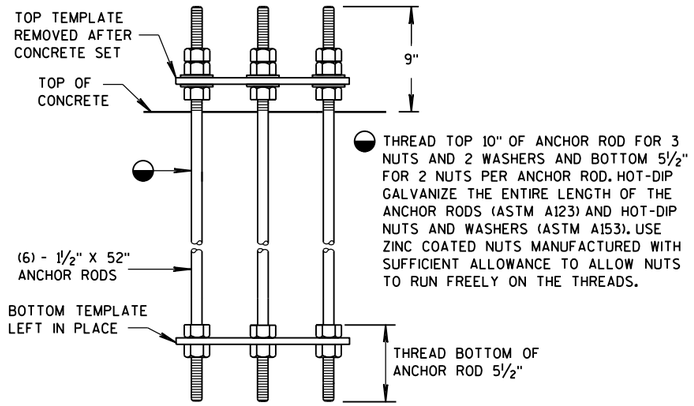
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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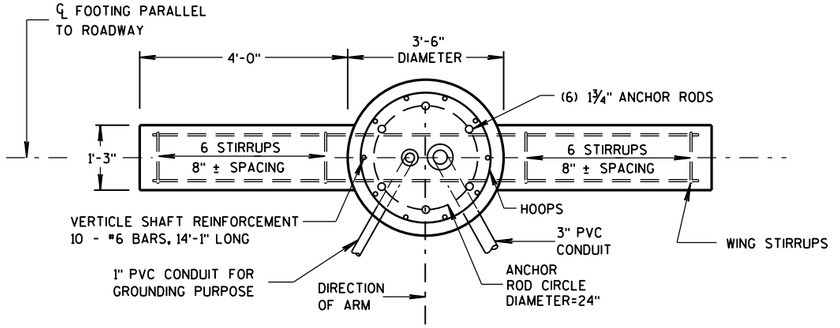
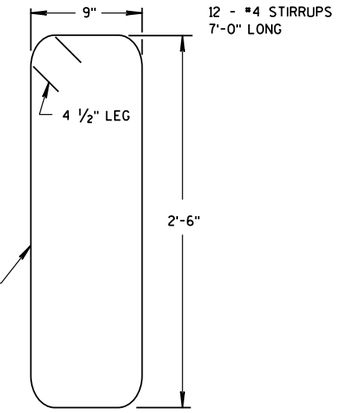
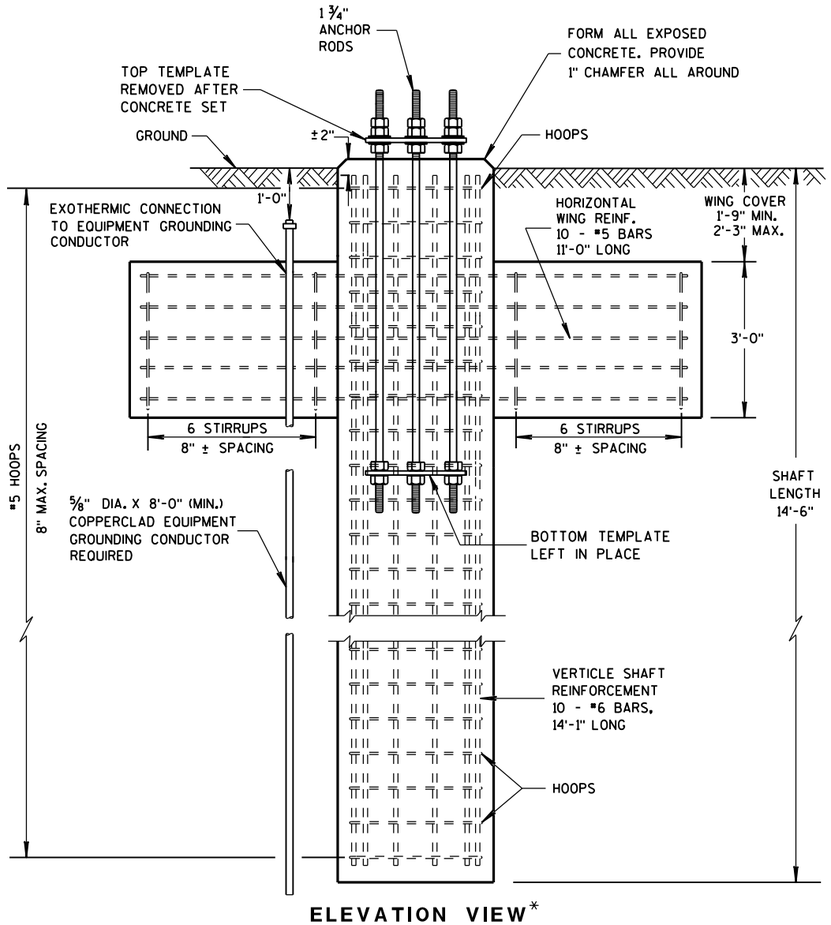
S.D.D. 9 C 11-10



PLAN VIEW

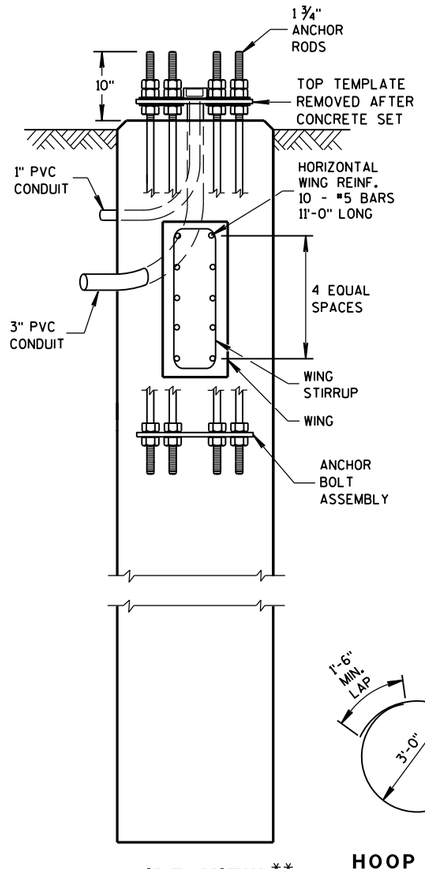


WING STIRRUP



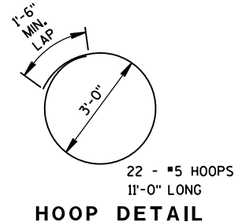
ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY



HOOP DETAIL

GENERAL NOTES

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

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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

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

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

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

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATIONS	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 & OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 635 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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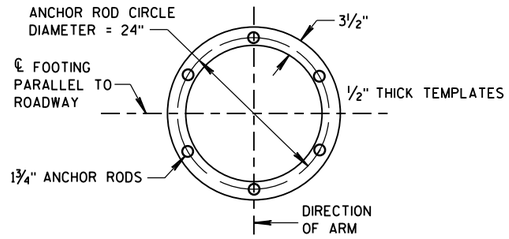
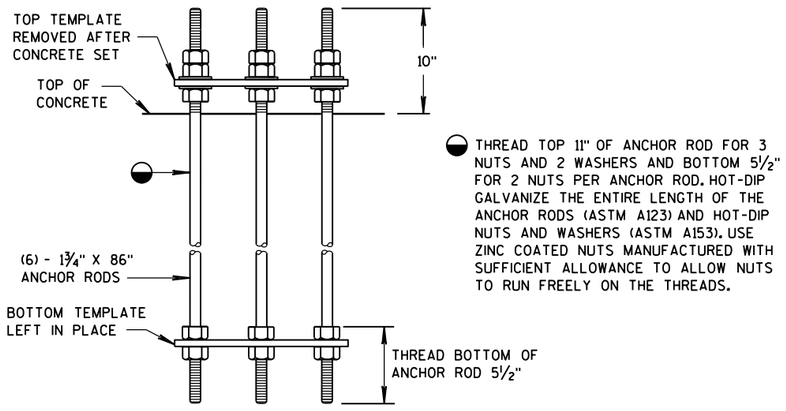
S.D.D. 9 C 12-9a

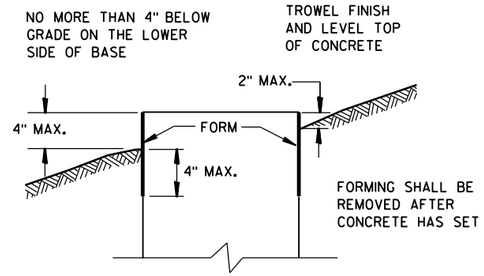


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

CONCRETE BASE TYPE 13	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2017 DATE FHWA	/S/ Ahmet Demirbilek STATE ELECTRICAL

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S.D.D. 9 C 12-9b

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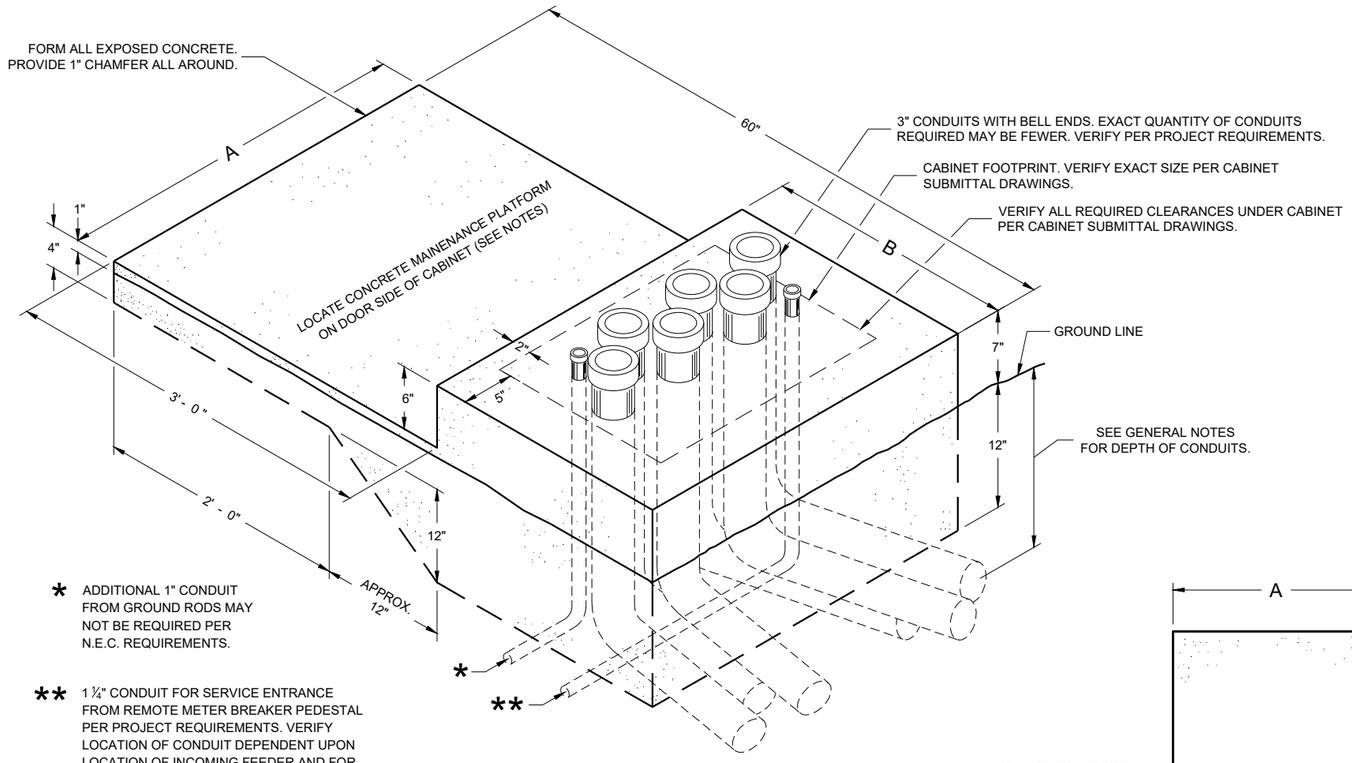
S.D.D. 9 C 12-9b



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

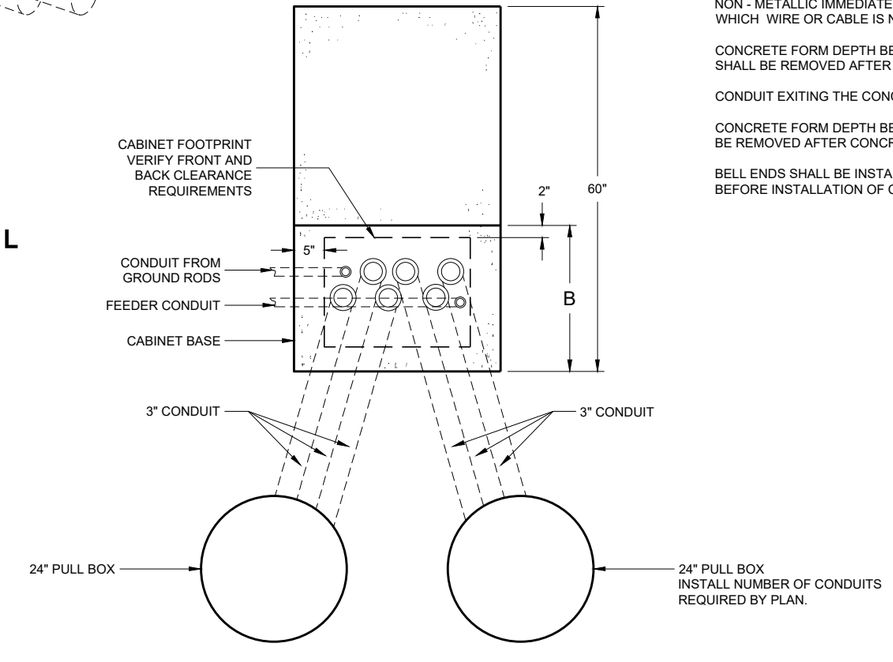
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC 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.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES 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 NON - METALLIC 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 NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH 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 L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 388

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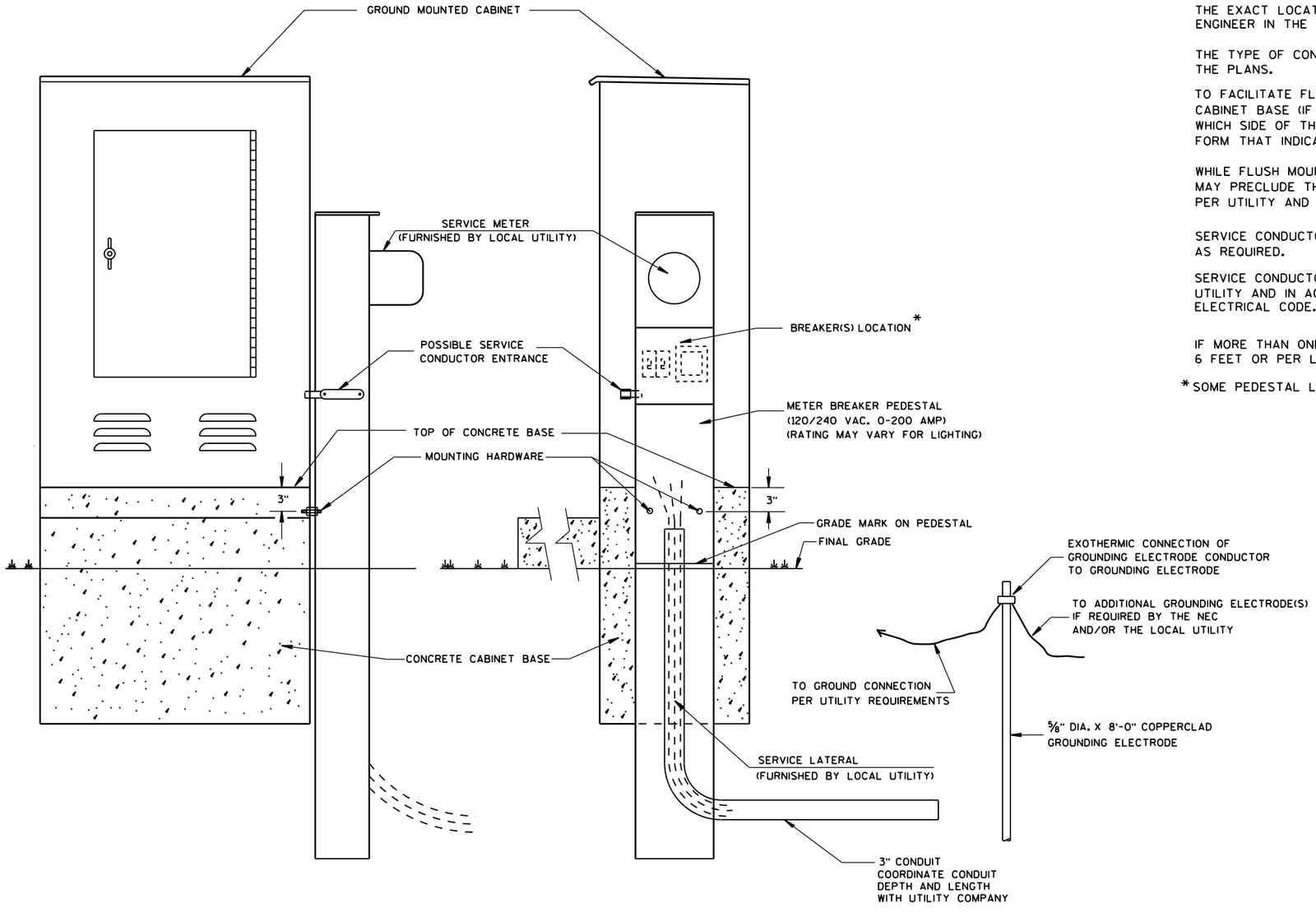

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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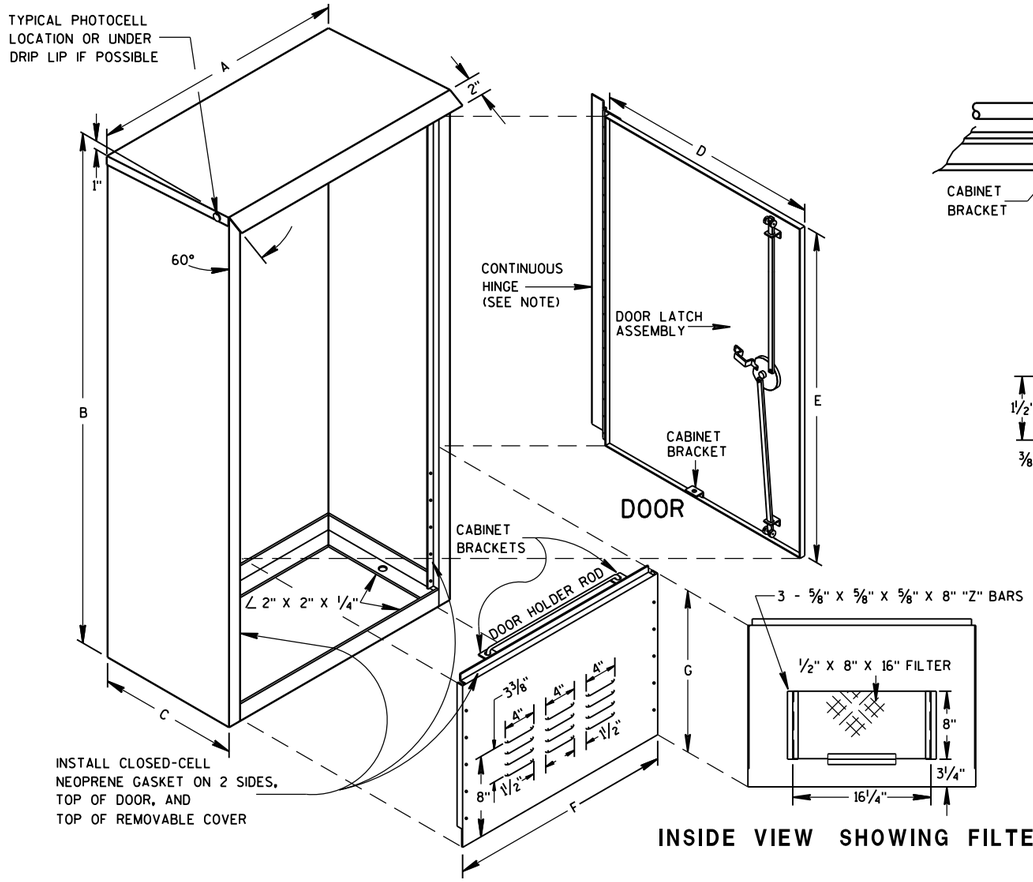
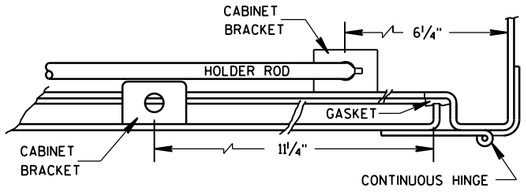
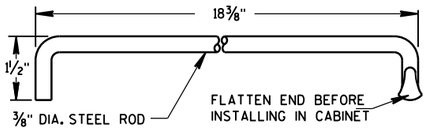


REMOVABLE COVER

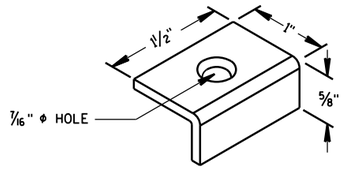
INSIDE VIEW SHOWING FILTER



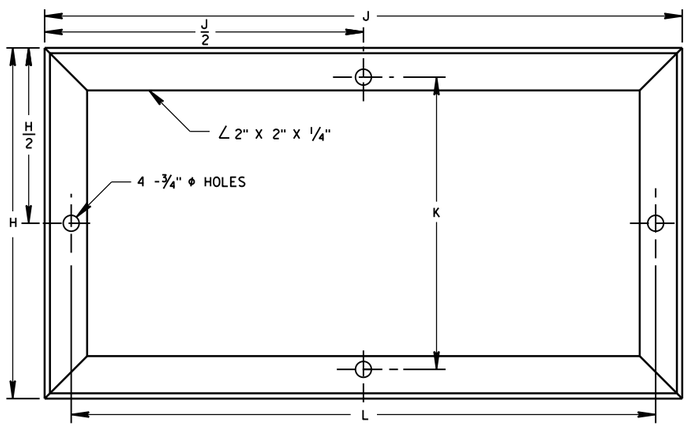
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

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.

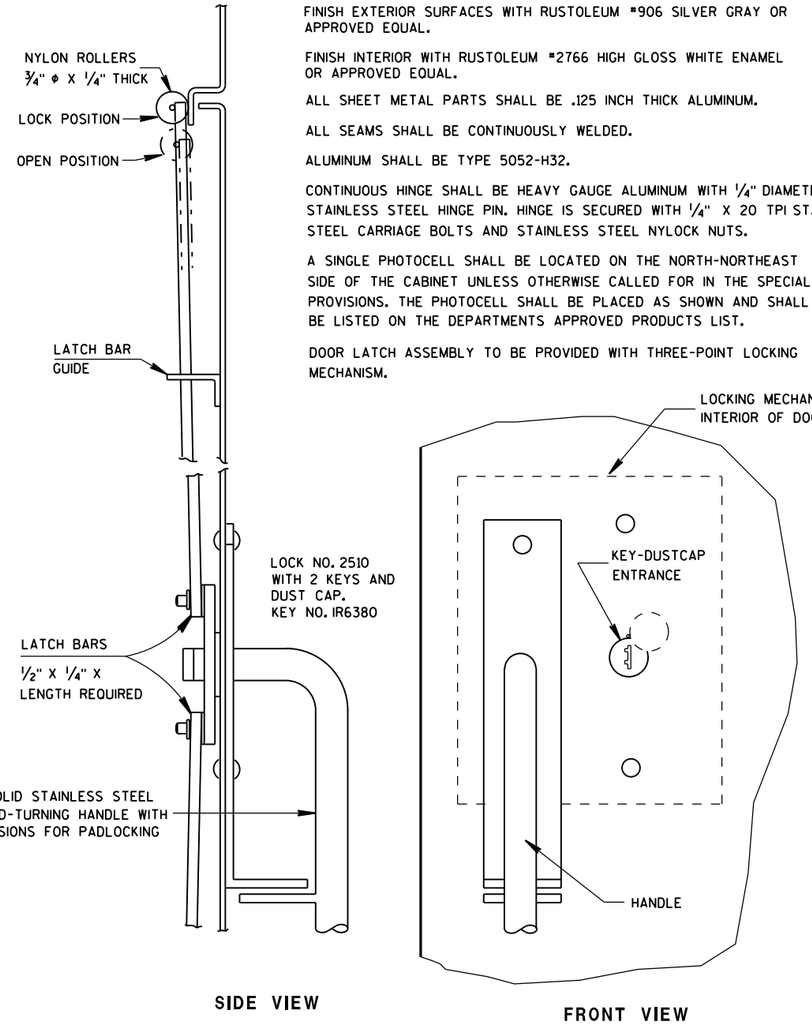
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

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 LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

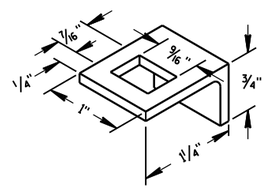
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 390

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S.D.D. 9 D 2-3

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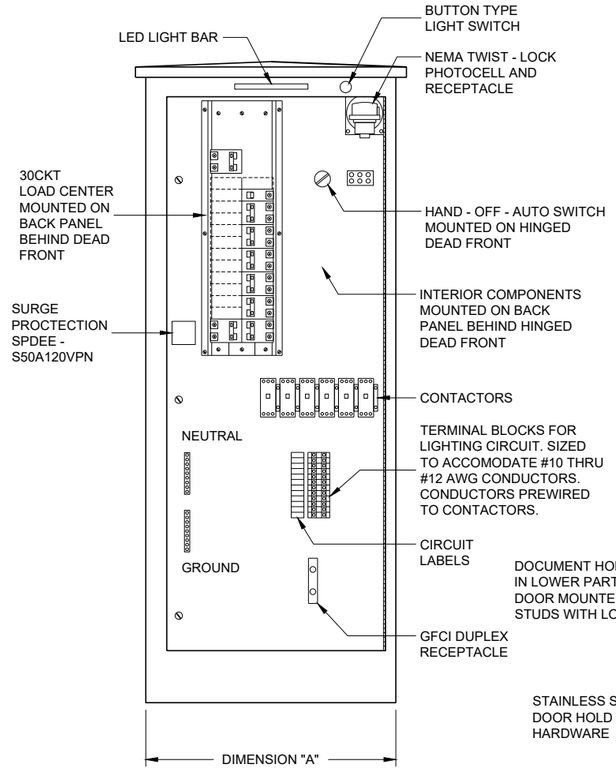
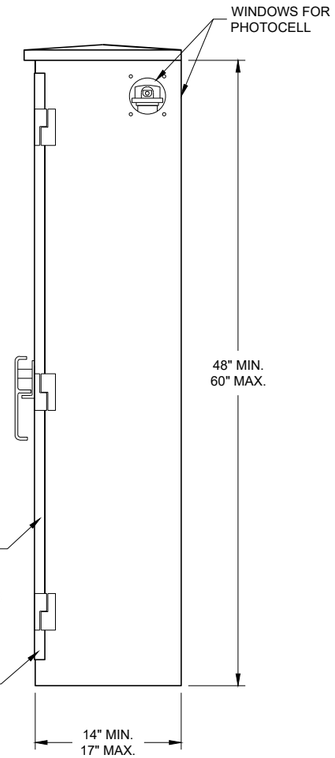
S.D.D. 9 D 2-3

FRONT INTERIOR ELEVATION



SIDE VIEW



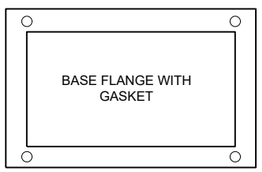
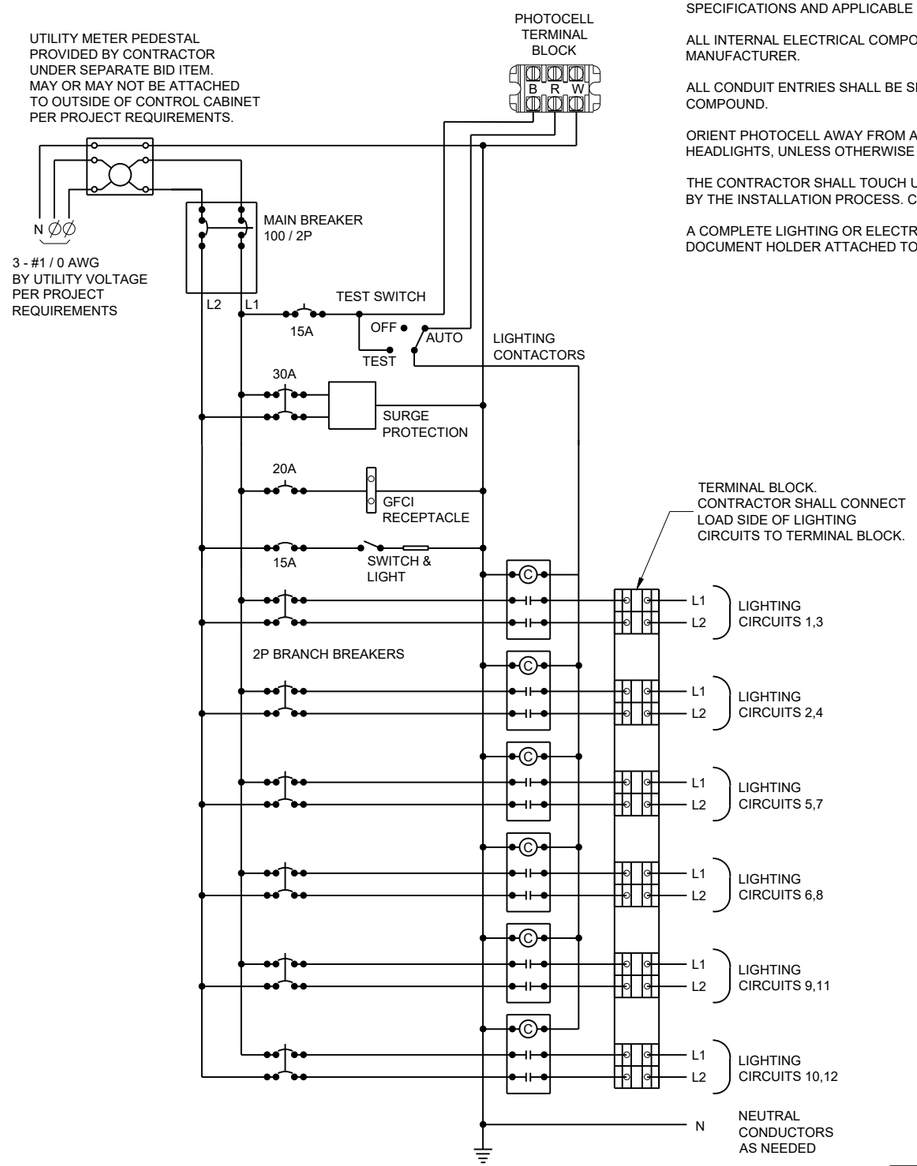


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 391

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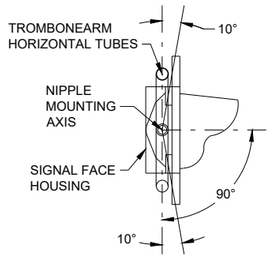
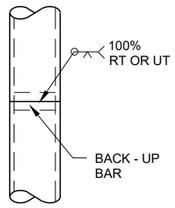


SECTION A-A

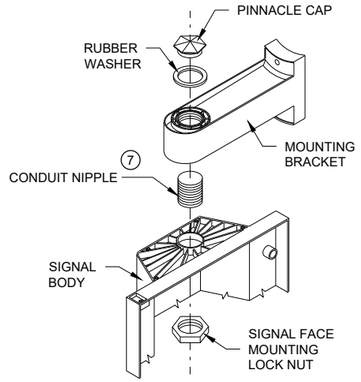
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

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



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THEPERTINENT 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 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 AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" 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 ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

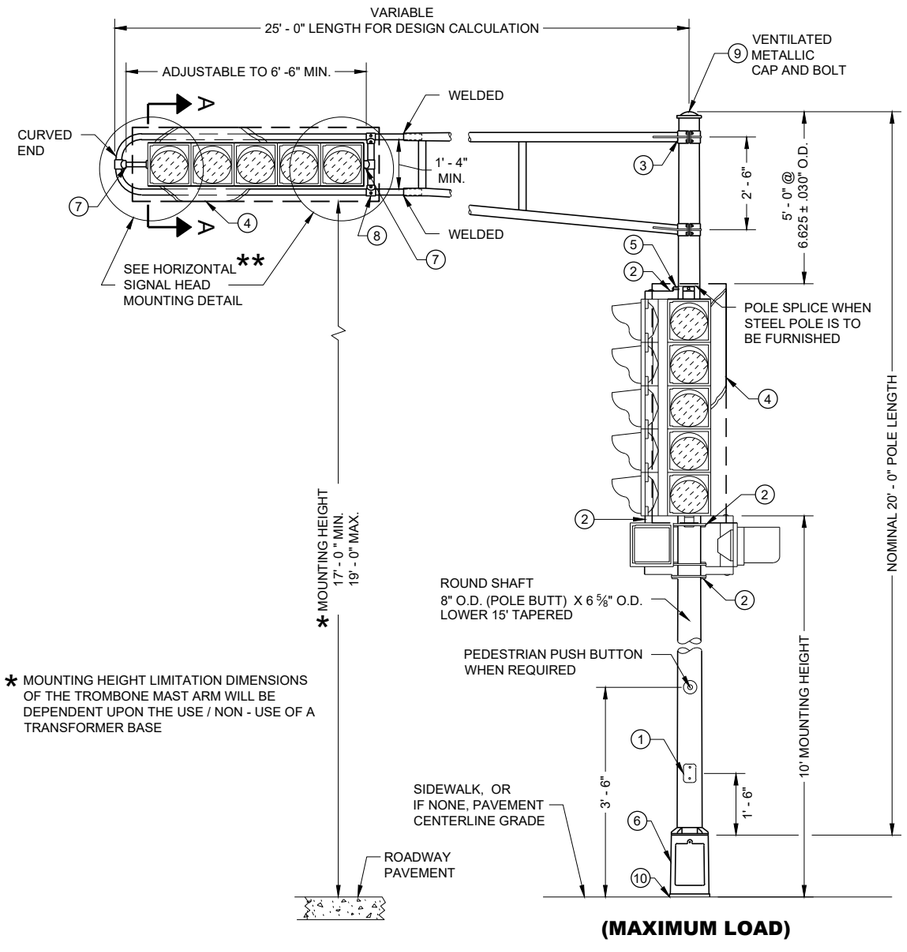
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS 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.

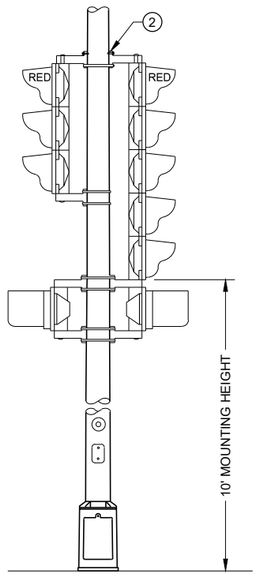
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

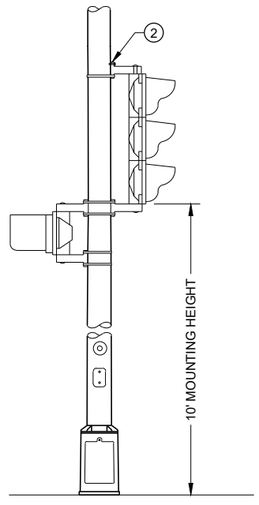


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

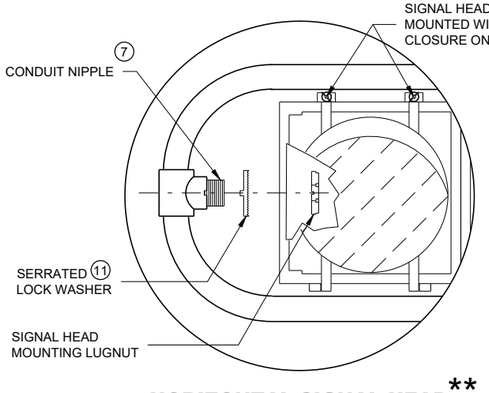
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

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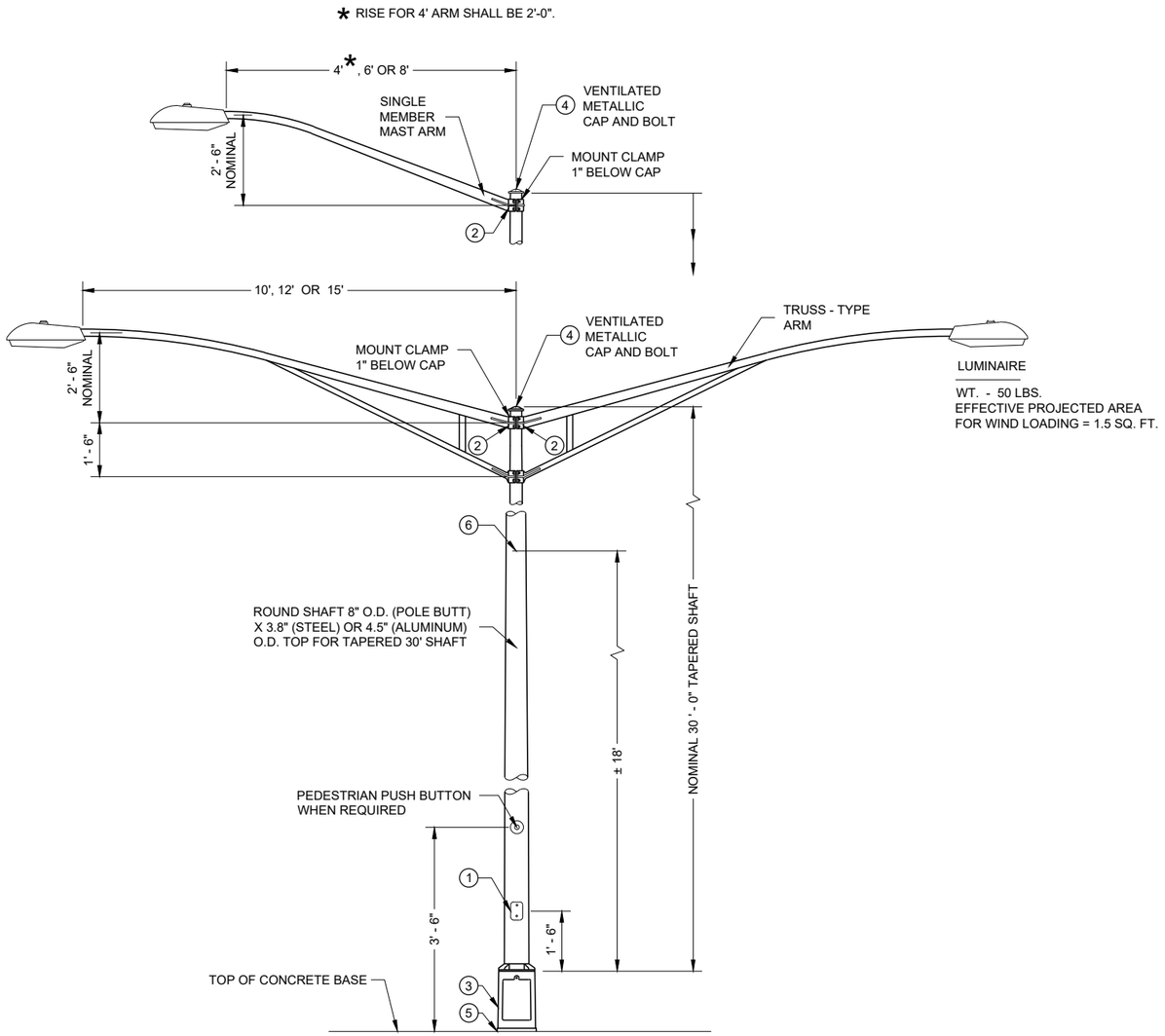


TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ 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 AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

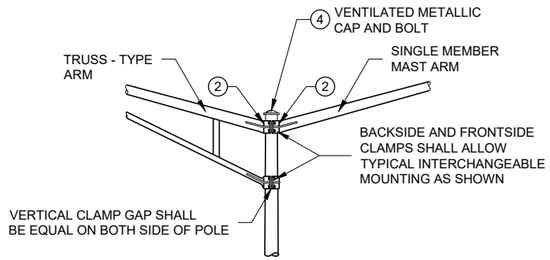
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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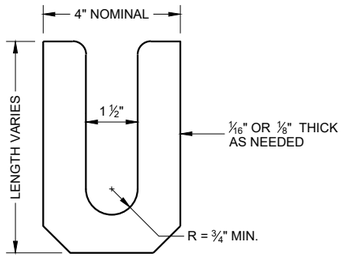
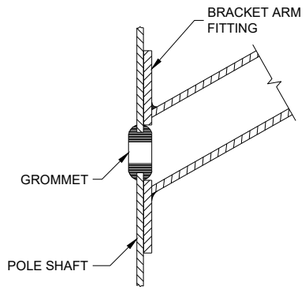
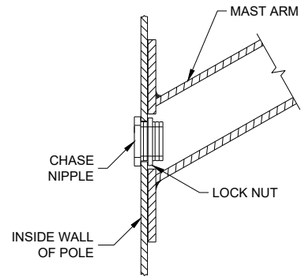


LEVELING SHIM (1)
SHALL BE ALUMINUM



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.

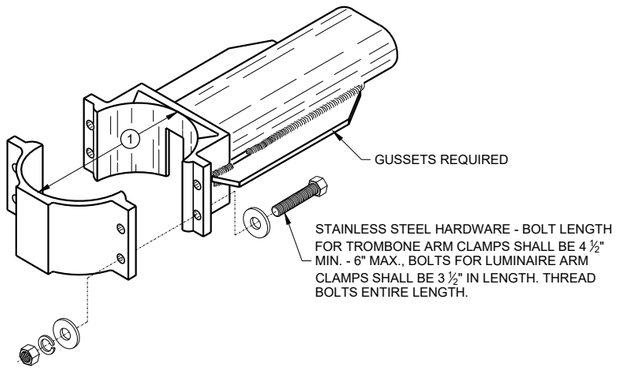
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

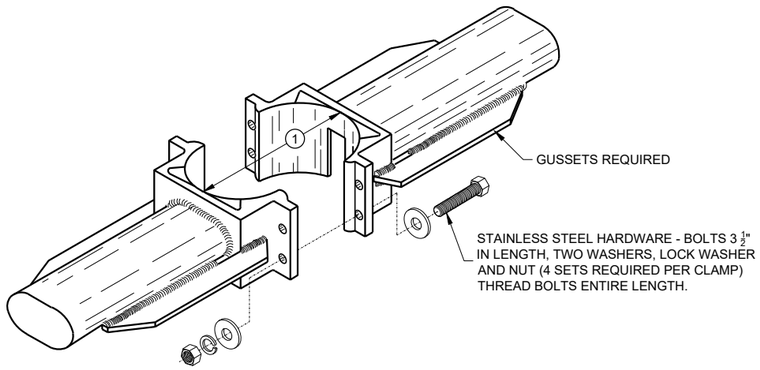
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) 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.

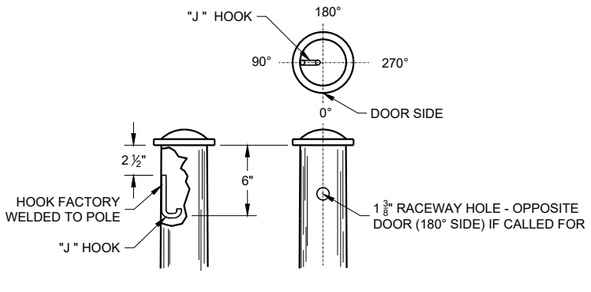
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



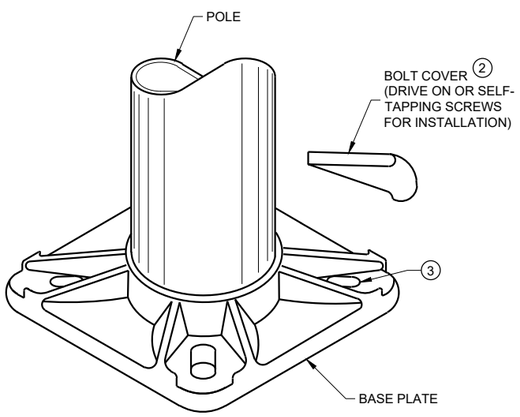
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



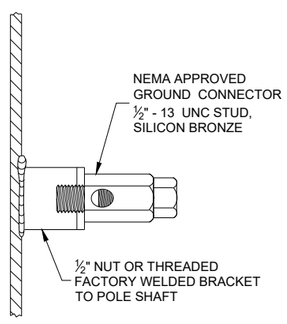
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

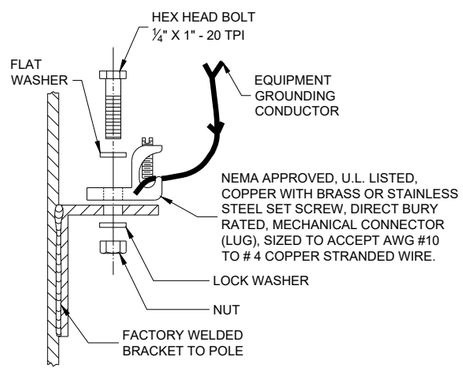


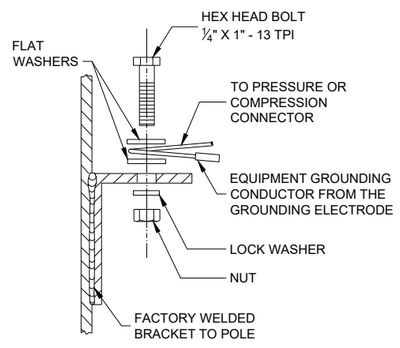
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

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DATE

/S/ Ahmet Demirbilek
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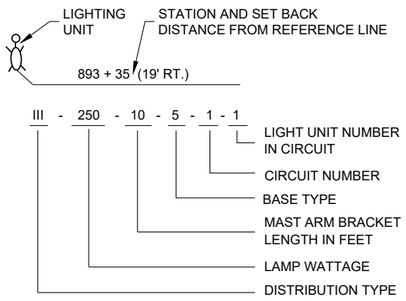
GENERAL NOTES

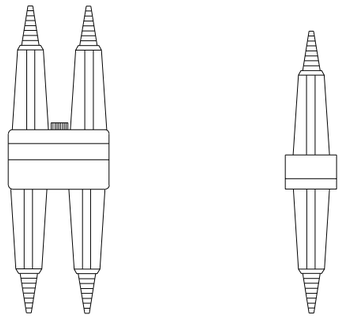
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

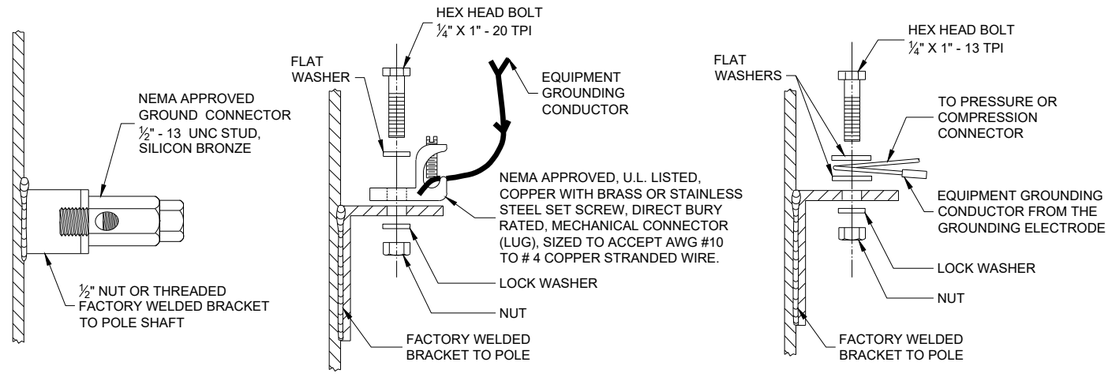


LIGHTING UNIT CODE
(TYPICAL)

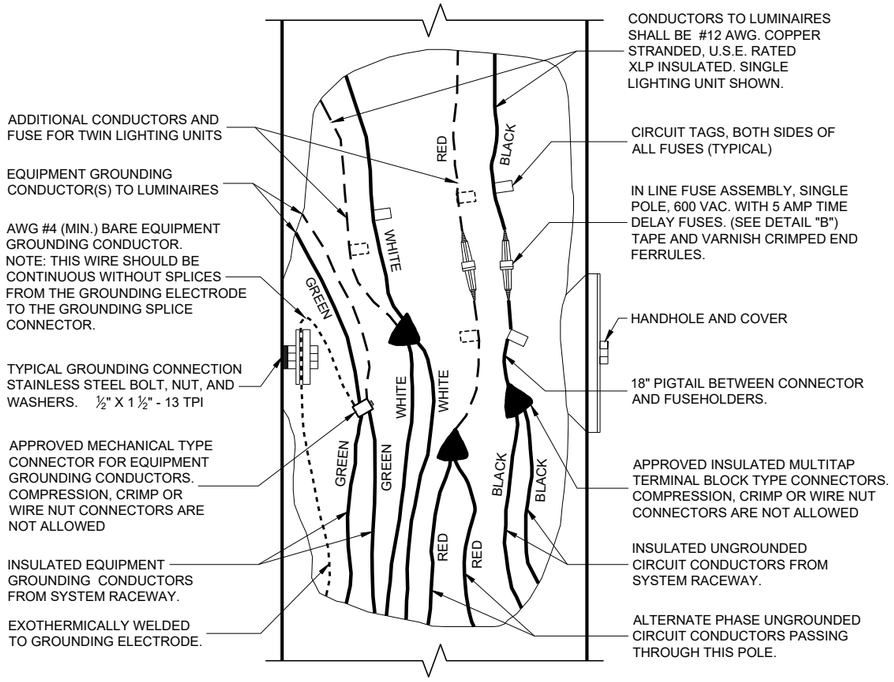


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

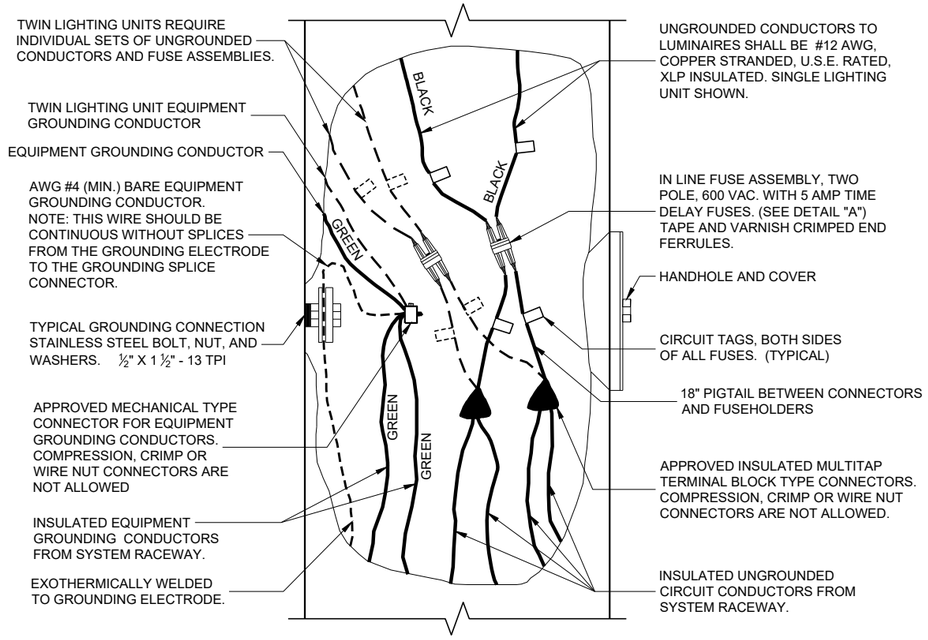
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

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/S/ Ahmet Demirbilek
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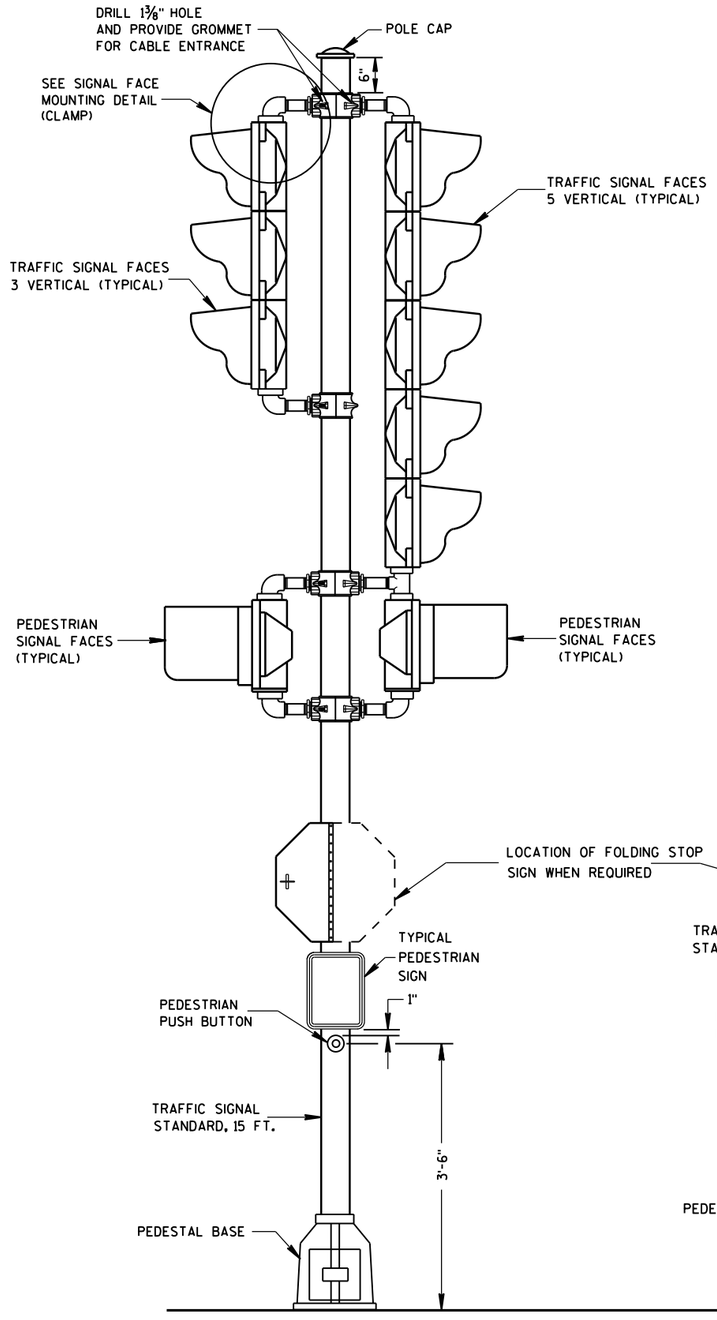
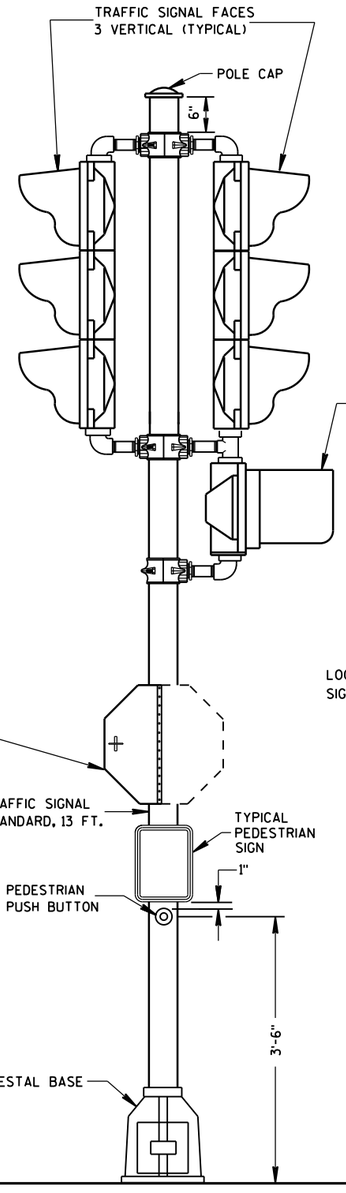
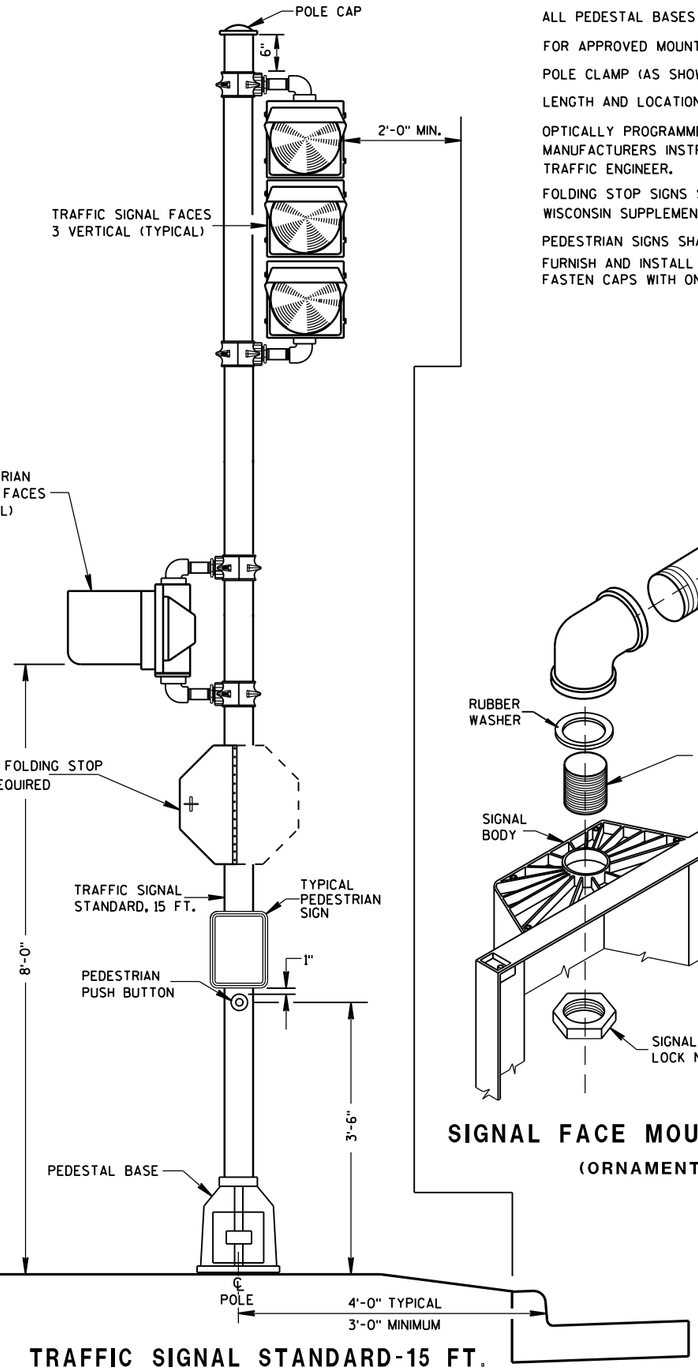


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLE CLAMP (AS SHOWN) MOUNTING BRACKETS SHALL BE USED.

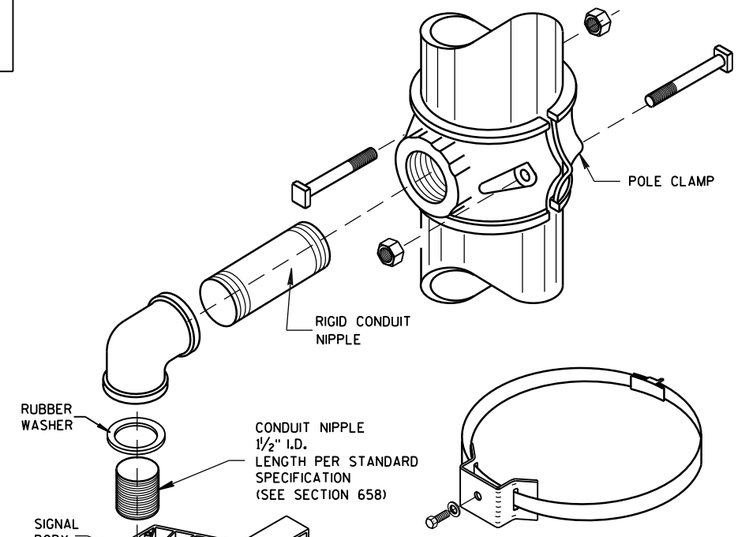
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

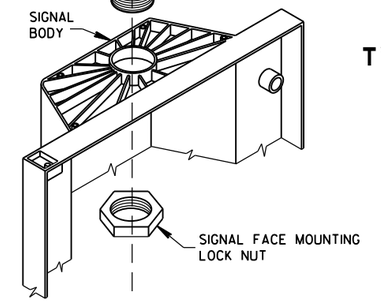
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL
(ORNAMENTAL)

TRAFFIC SIGNAL STANDARD
ORNAMENTAL BRACKET MOUNTINGS
TYPICAL FOR 13 FT. OR 15 FT.

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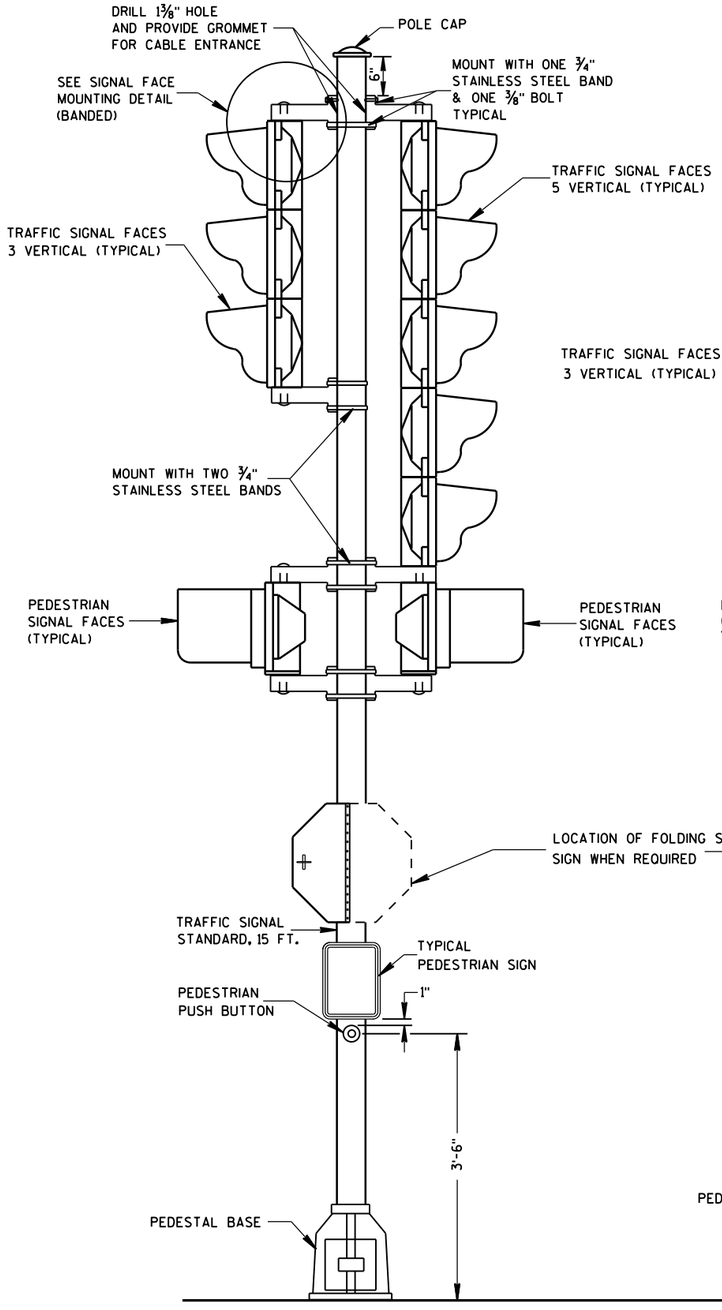
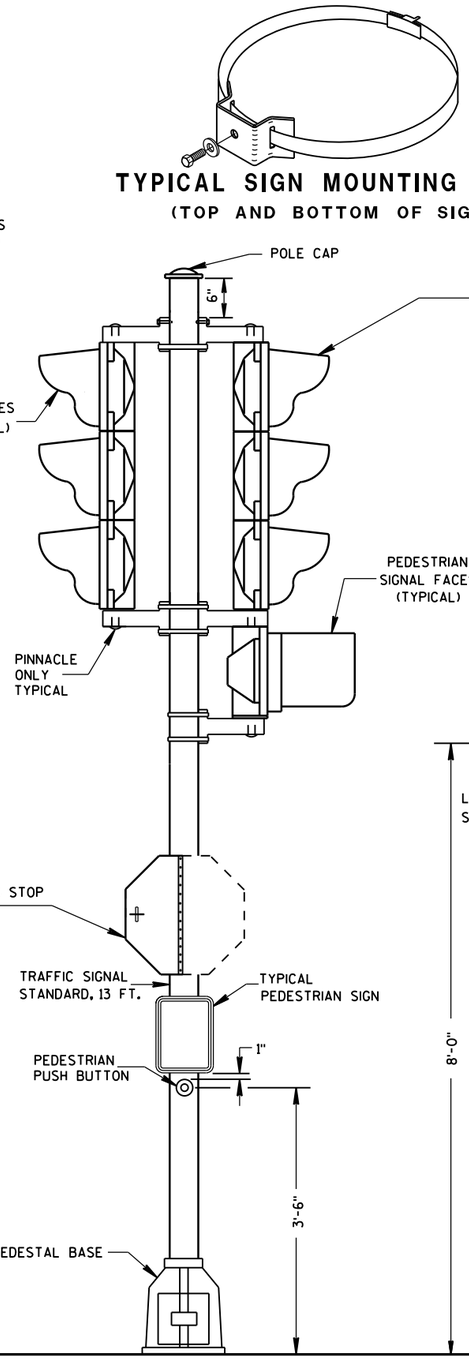
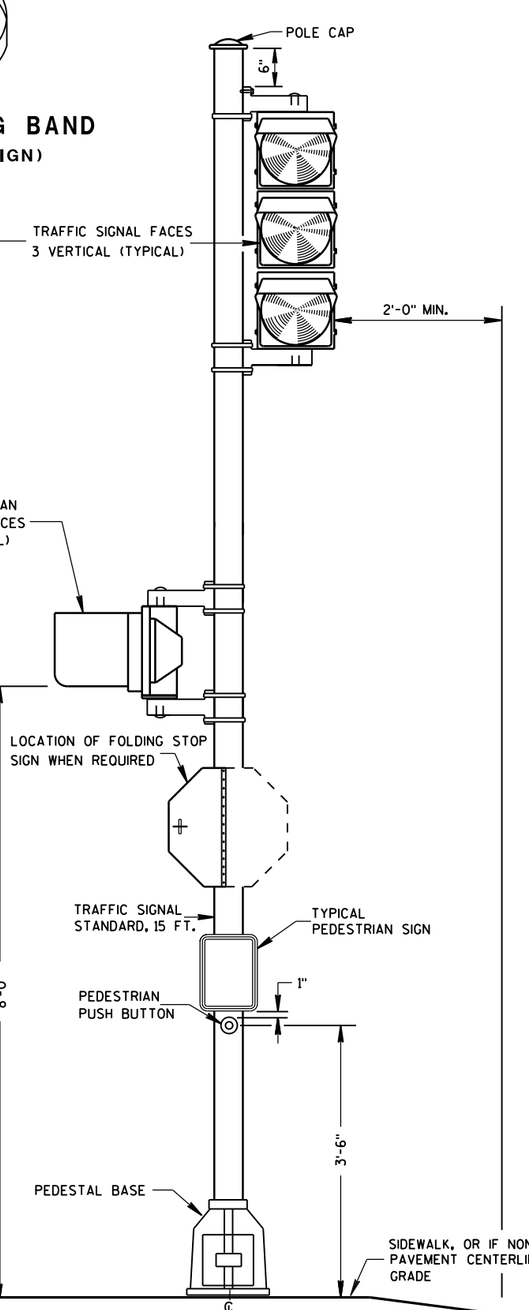


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

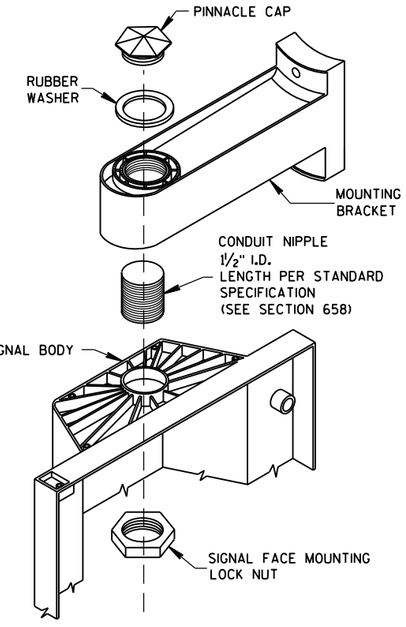
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

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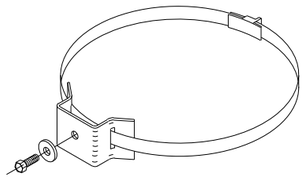
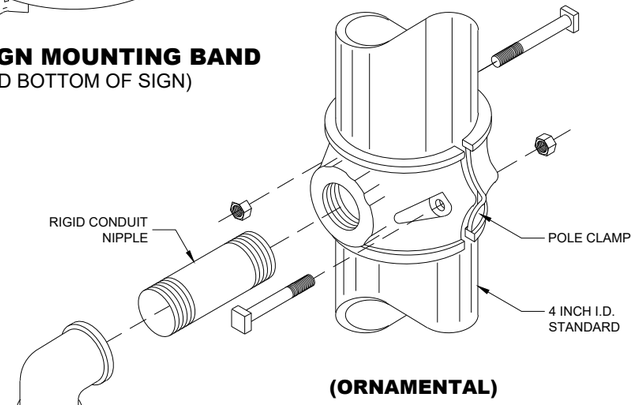
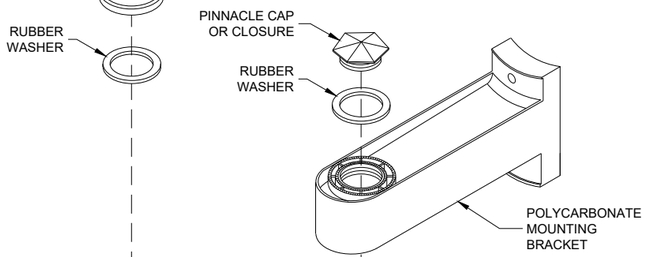


TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



(ORNAMENTAL)



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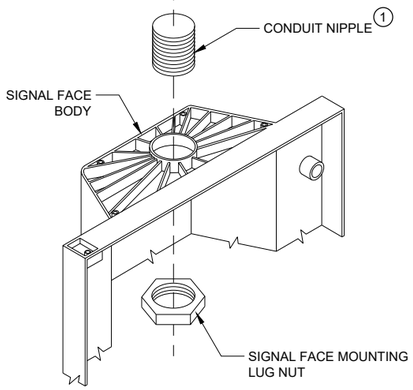
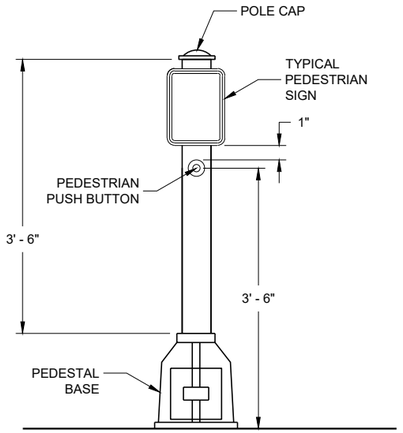


SIGNAL FACE MOUNTING DETAILS



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, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

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.

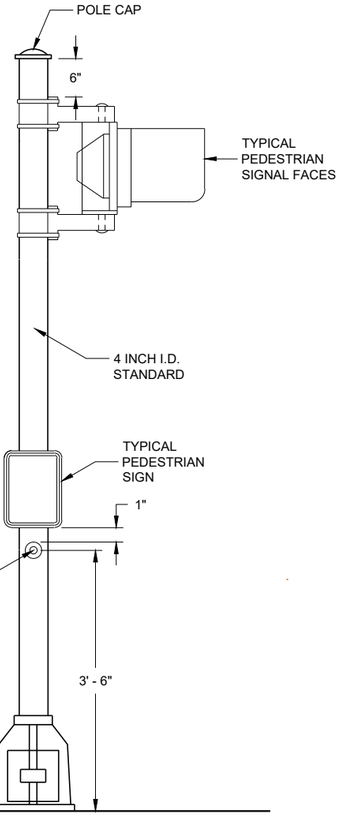
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

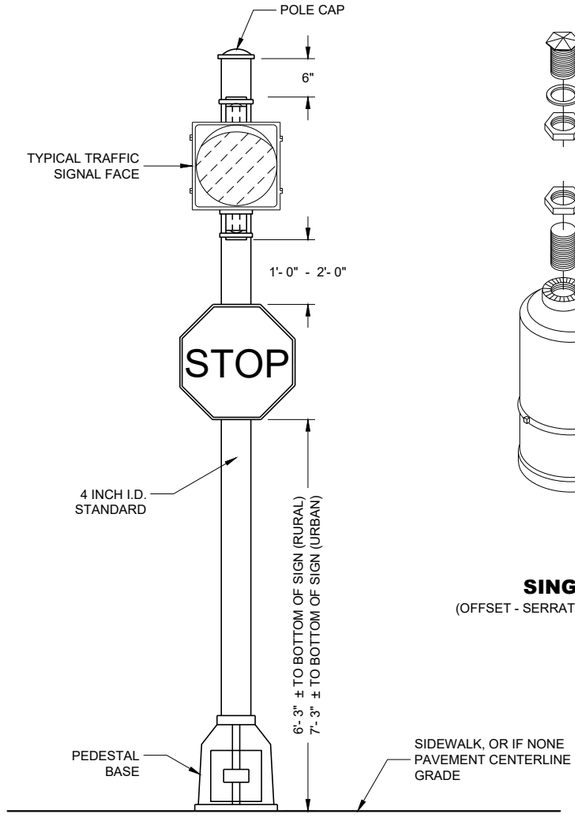
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

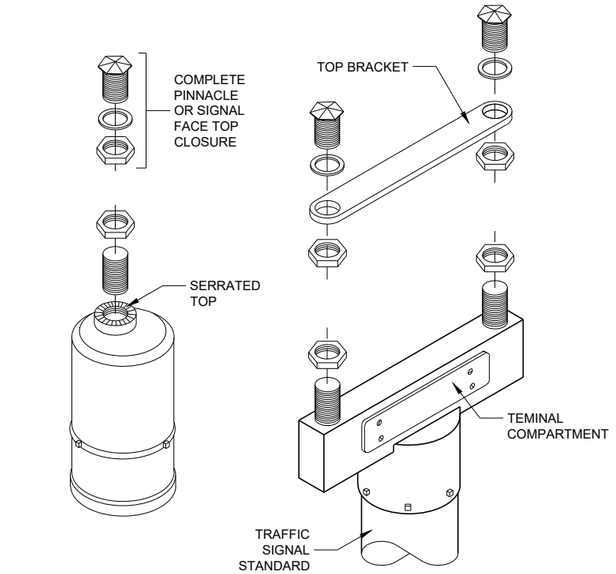
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



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
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 398

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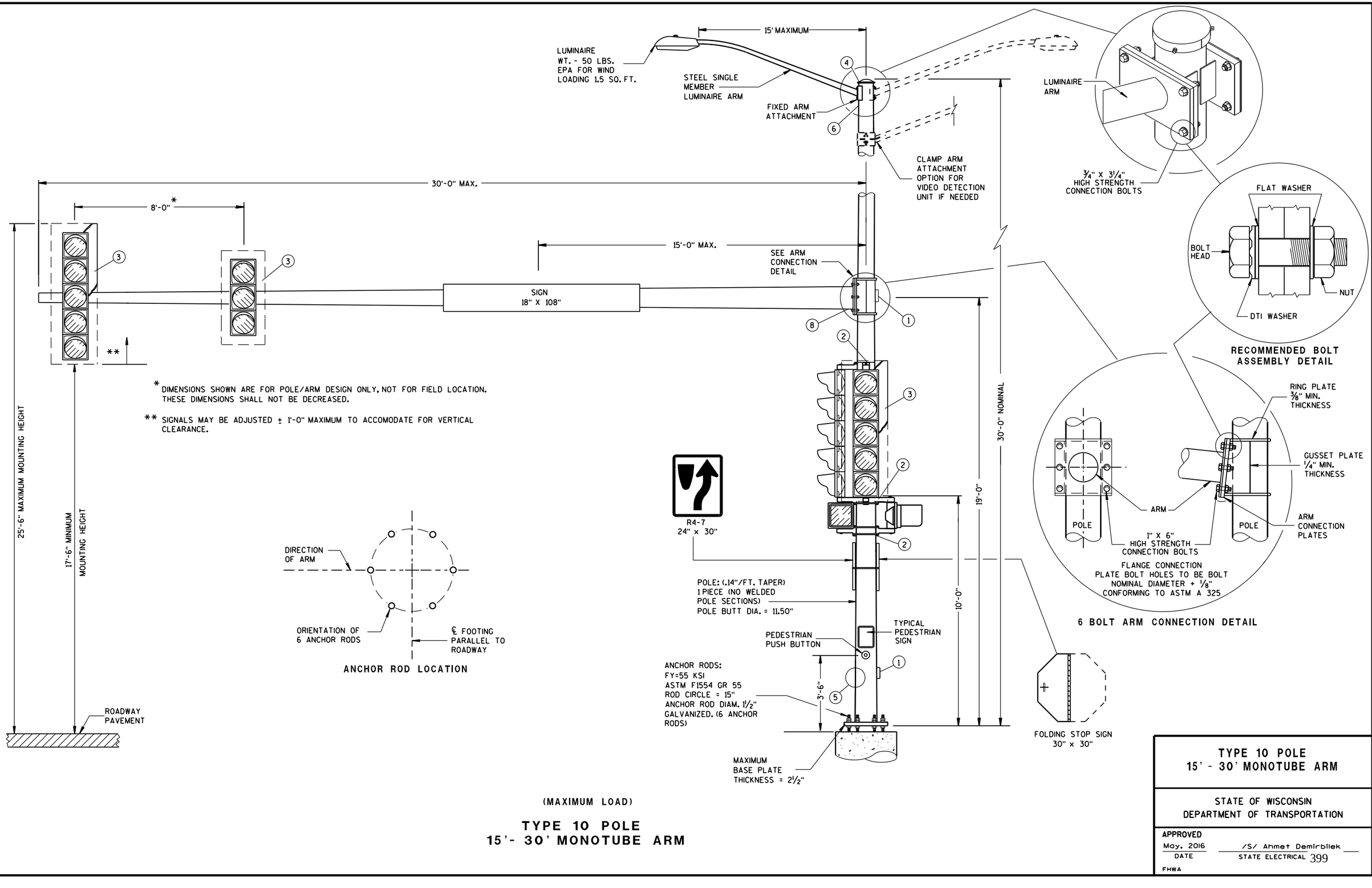

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

(MAXIMUM LOAD)

TYPE 10 POLE
15'- 30' MONOTUBE ARM

TYPE 10 POLE 15' - 30' MONOTUBE ARM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May, 2016 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL 399
FHWA	

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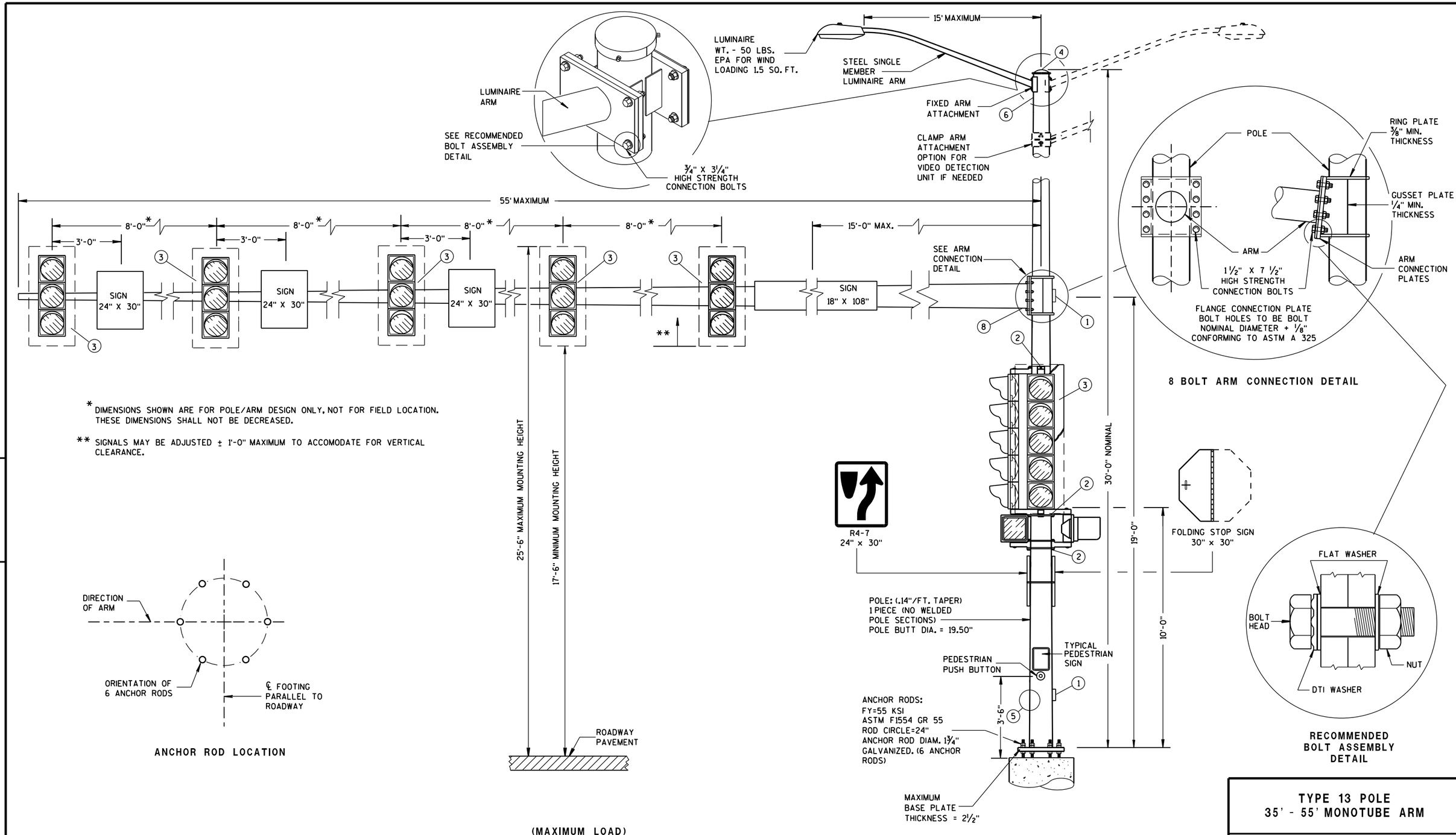
S.D.D. 9 E 8-8b



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** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

8 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 13 POLE 35'- 55' MONOTUBE ARM

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2016 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 400
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GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

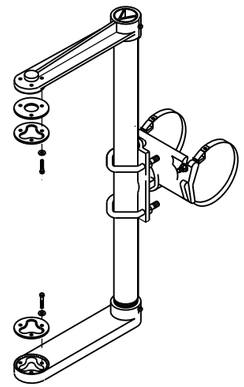
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

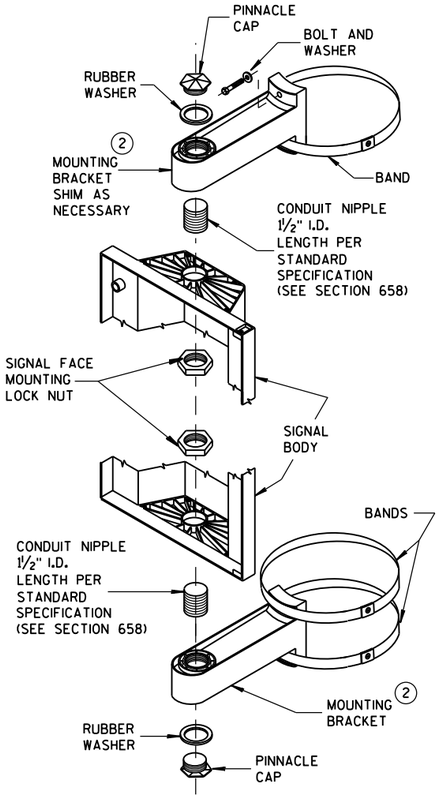
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

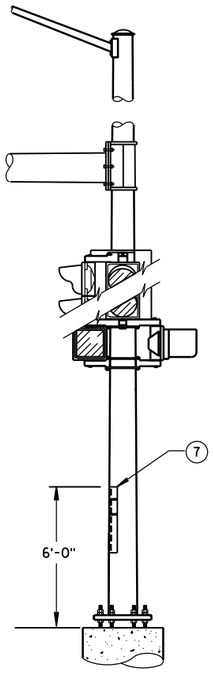


SIGNAL FACE MOUNTING BRACKET
DETAIL FOR MONOTUBE ARM

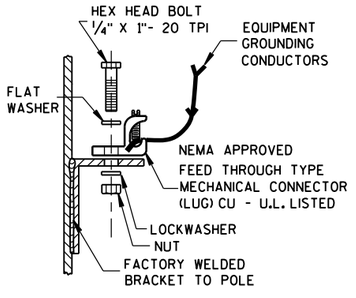
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE
VERTICAL MOUNTING DETAIL

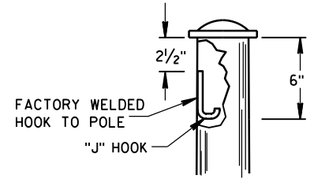


STRUCTURAL IDENTIFICATION
PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL
BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2016
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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S.D.D. 9 E 8-8e

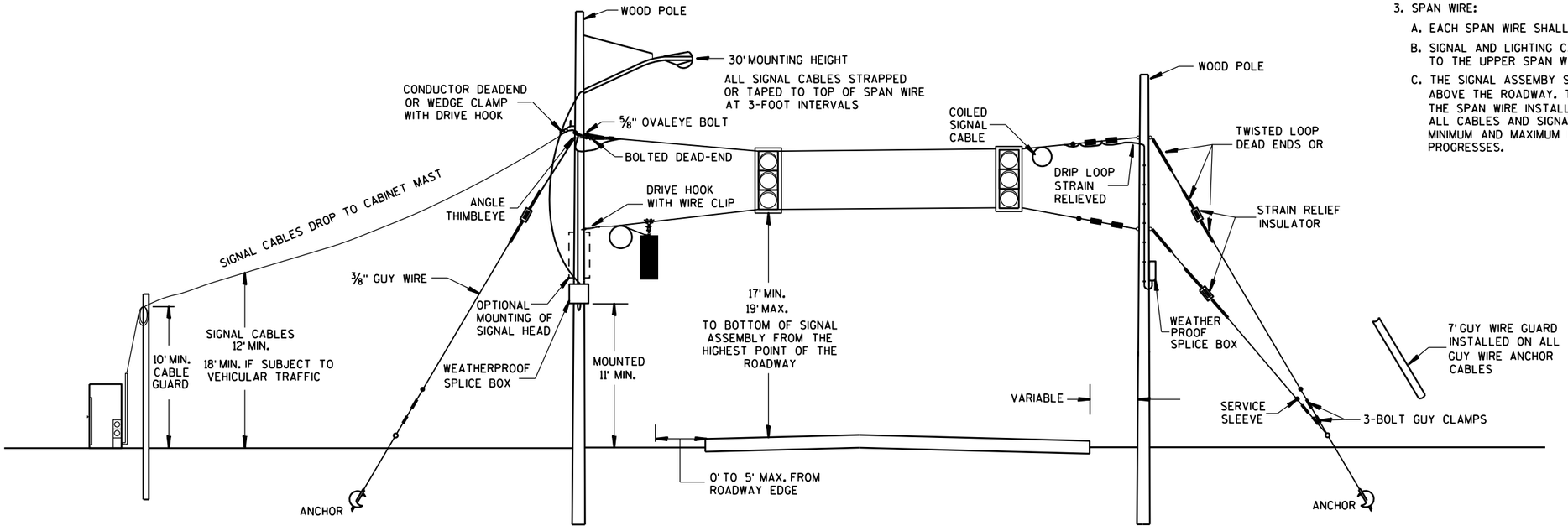
GENERAL NOTES

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
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/S/ Ahmet Demirbilek — STATE ELECTRICAL 402
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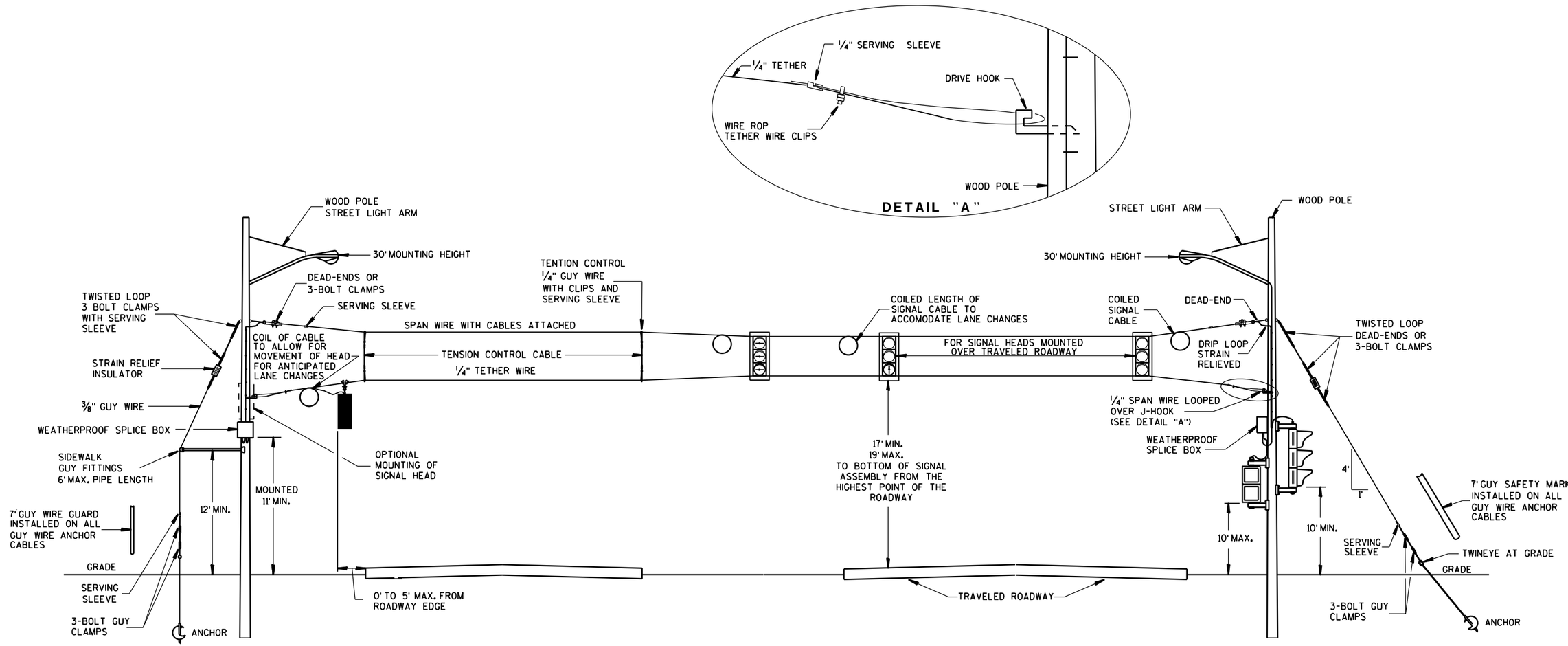

GENERAL NOTES

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
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   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

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

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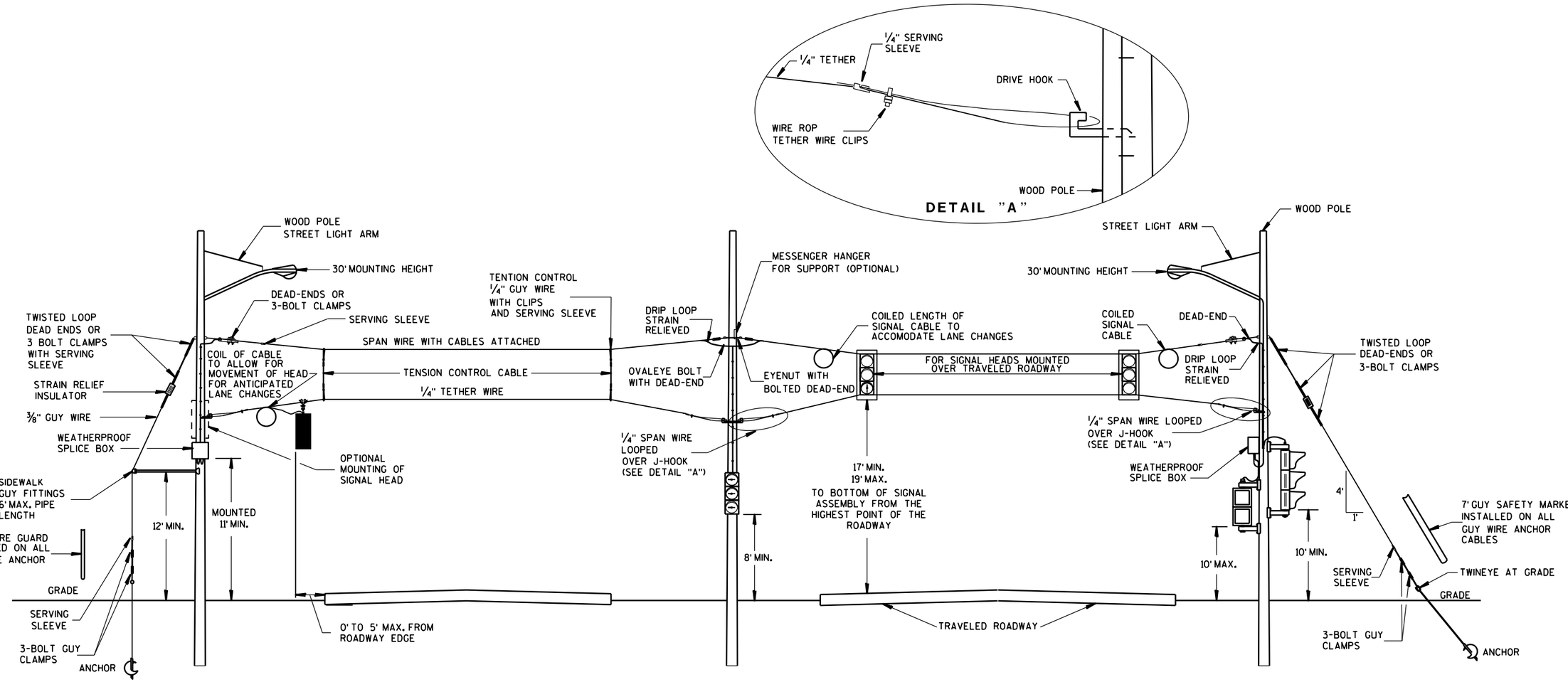
S.D.D. 9 G 1-4b



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

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

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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

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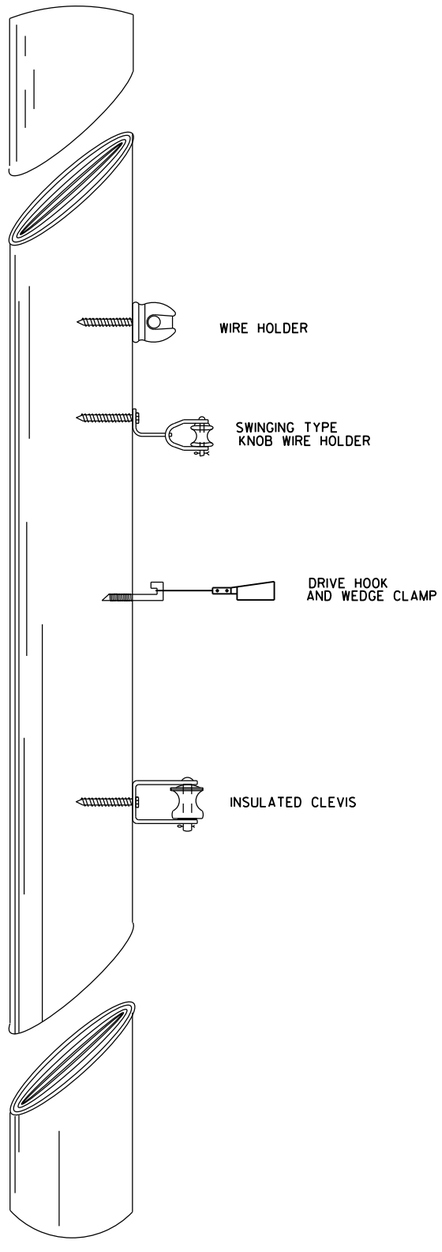
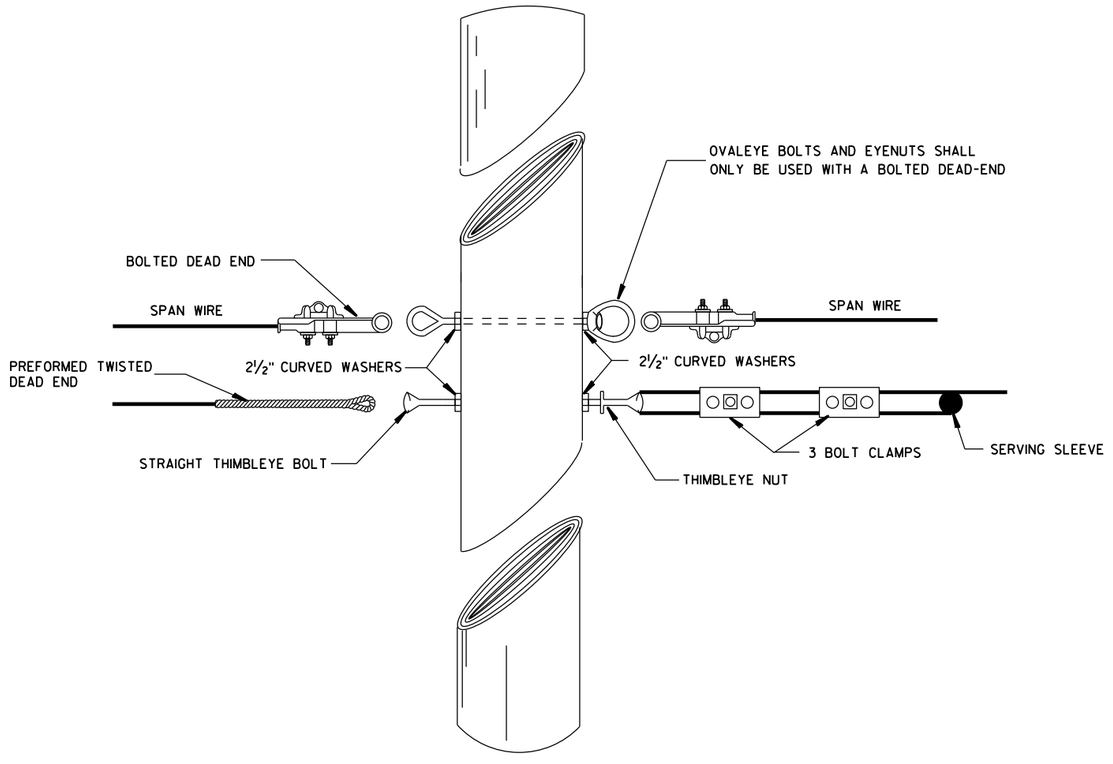


TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

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DATE

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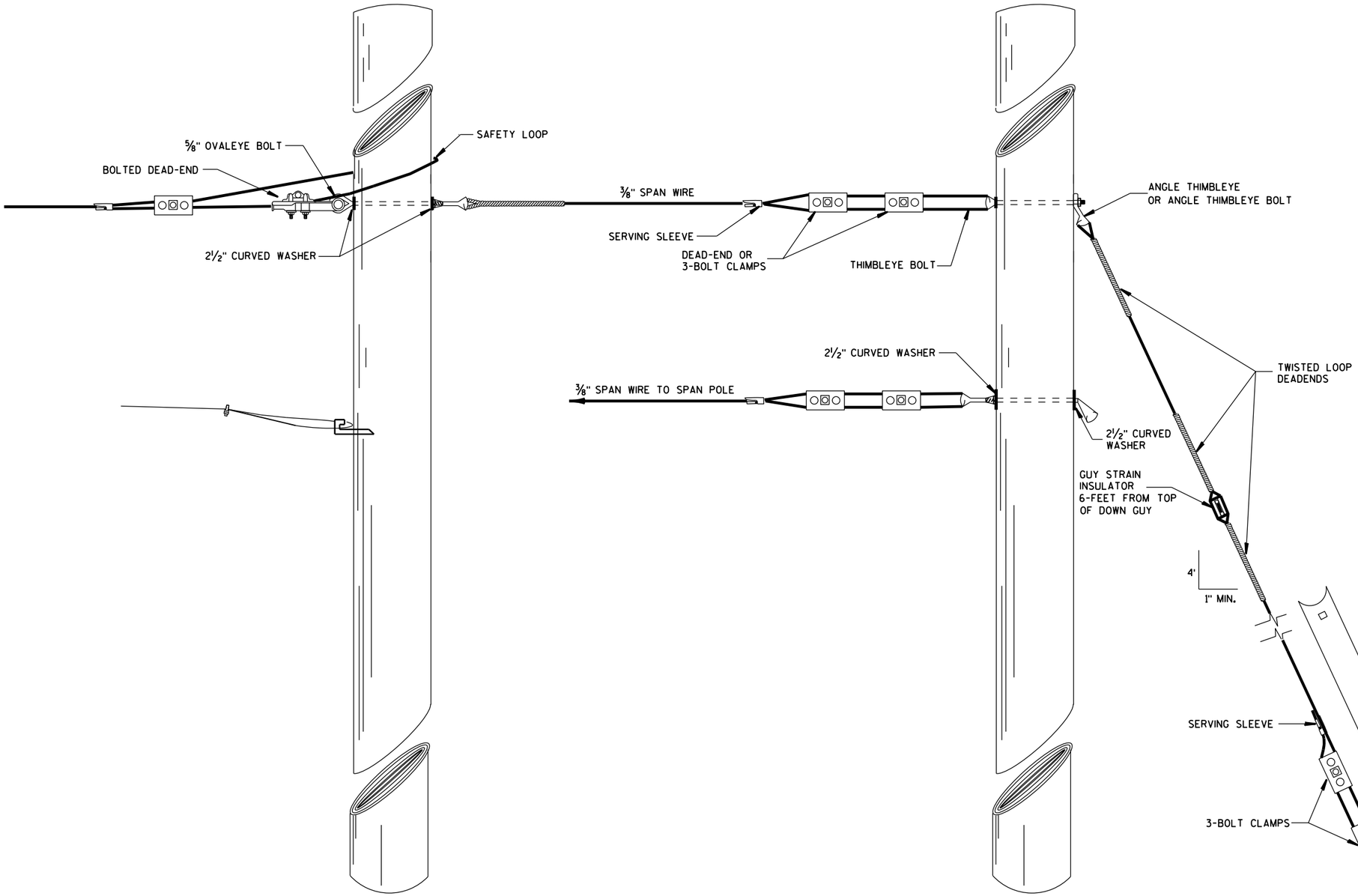
GENERAL NOTES

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

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S.D.D. 9 G 1-4e

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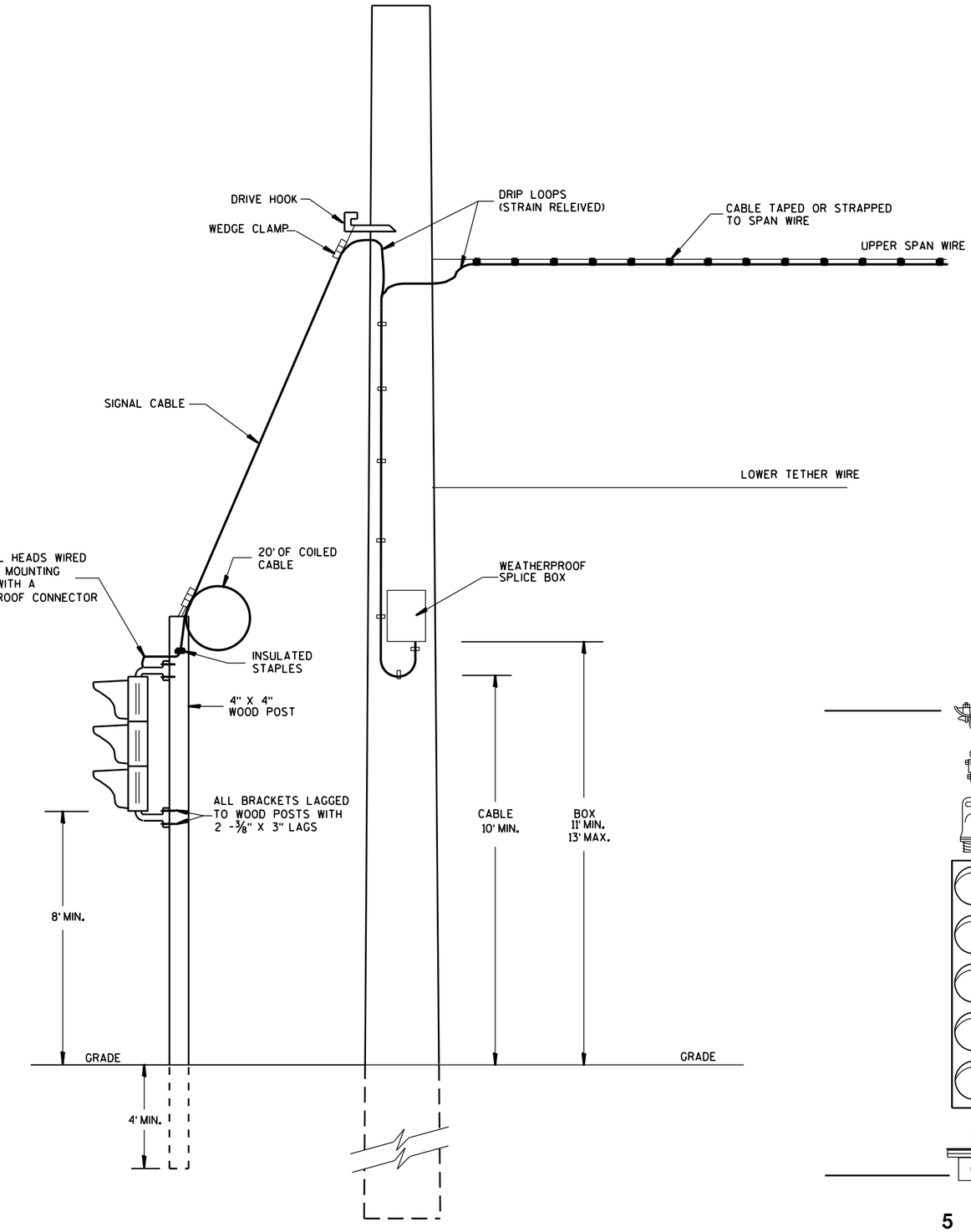
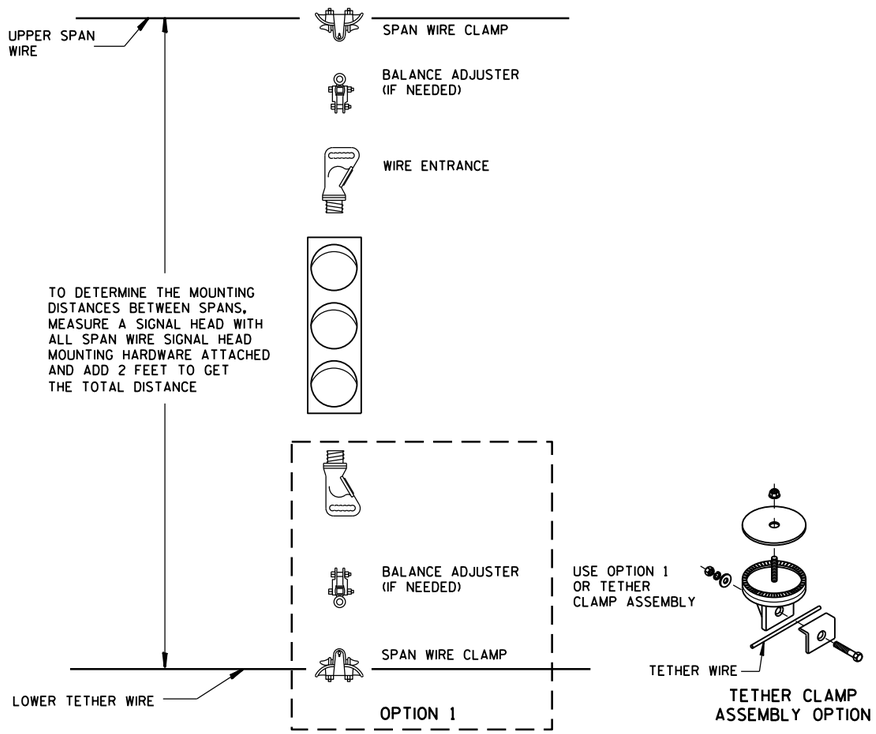
S.D.D. 9 G 1-4e

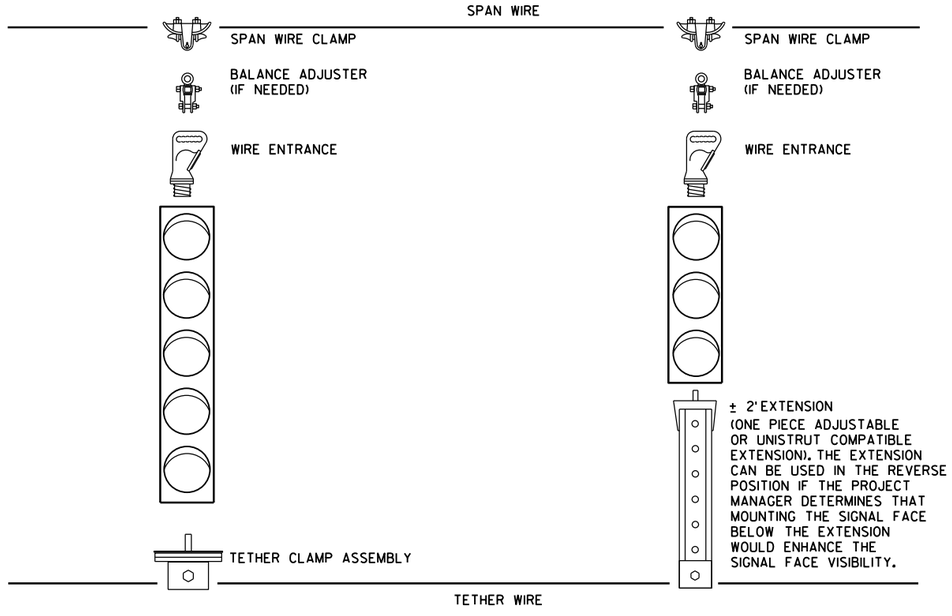


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
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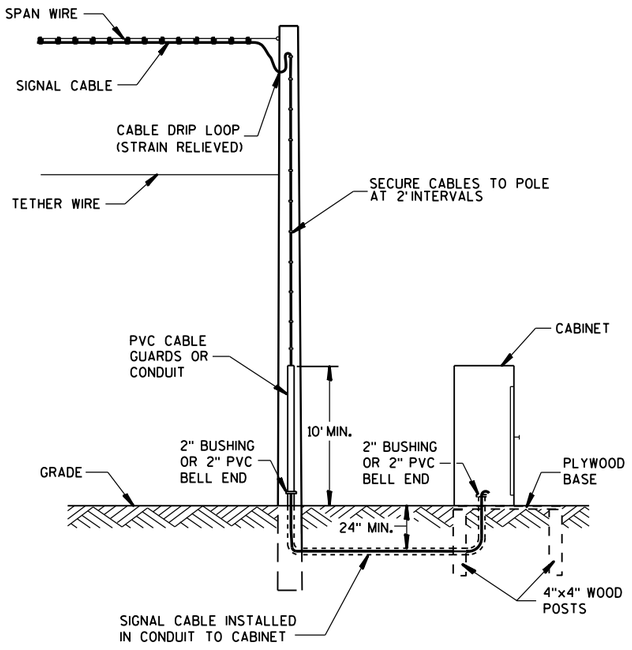
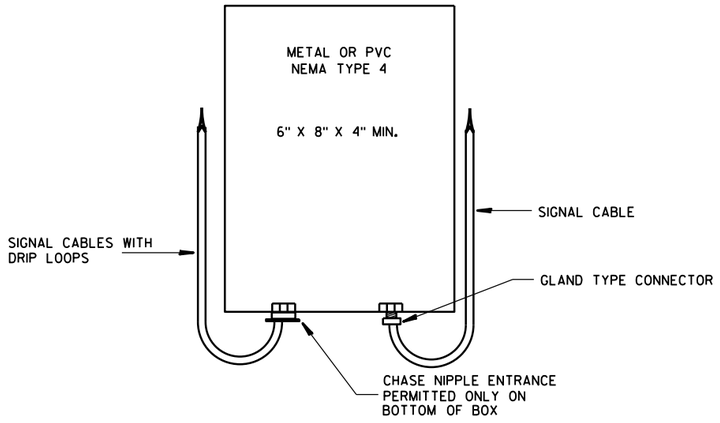
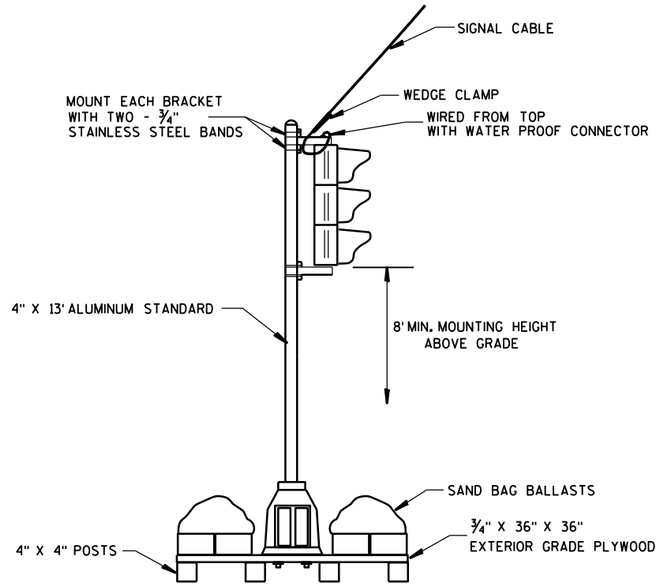
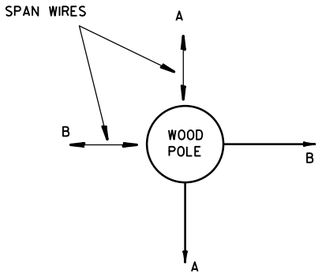




SPLICE BOX

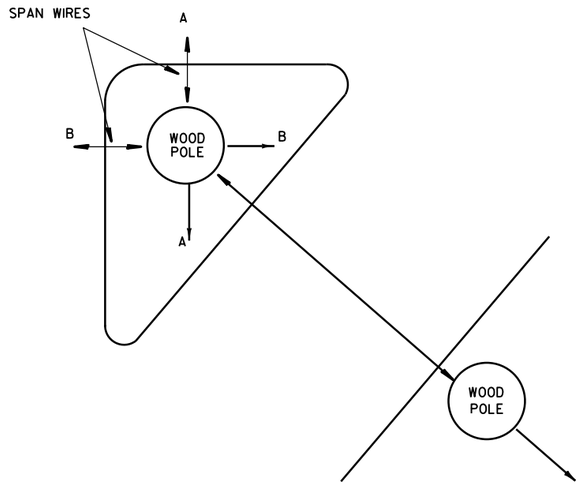


TYPICAL SKID TYPE TEMPORARY

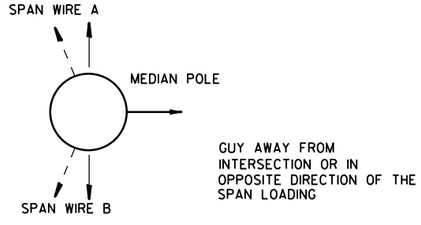


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF THE
SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 G 1-4g

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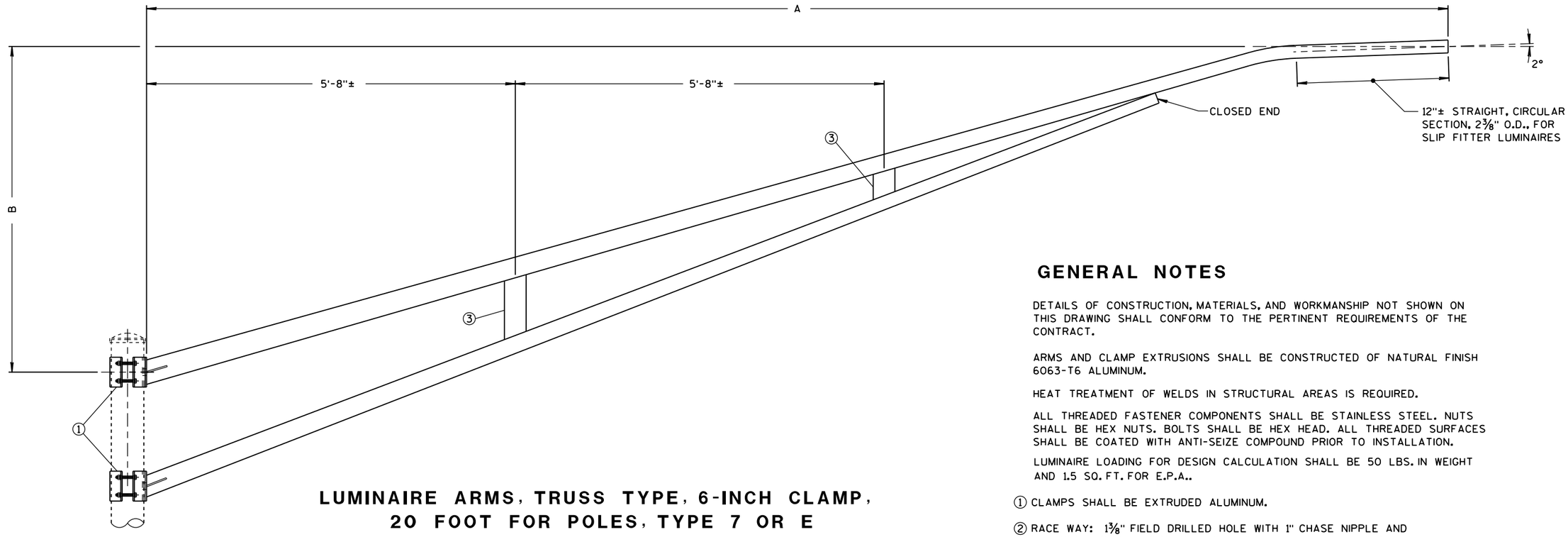
S.D.D. 9 G 1-4g



LUMINAIRE ARMS, TRUSS TYPE, 6-INCH CLAMP, 20 FOOT FOR POLES, TYPE 7 OR E

UPPER AND LOWER TRUSS CHORD CLAMPS SIMILIAR

TYPE	DIM. A NOMINAL ARM LENGTH (FT)	DIM. B APPROX. RISE (FT)
TRUSS TYPE	20.0	5.0

GENERAL NOTES

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

ARMS AND CLAMP EXTRUSIONS SHALL BE CONSTRUCTED OF NATURAL FINISH 6063-T6 ALUMINUM.

HEAT TREATMENT OF WELDS IN STRUCTURAL AREAS IS REQUIRED.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

LUMINAIRE LOADING FOR DESIGN CALCULATION SHALL BE 50 LBS. IN WEIGHT AND 1.5 SQ. FT. FOR E.P.A..

① CLAMPS SHALL BE EXTRUDED ALUMINUM.

② RACE WAY: 1⅜" FIELD DRILLED HOLE WITH 1" CHASE NIPPLE AND NUT (OR NEOPRENE GROMMET) PER EACH REQUIRED LUMINAIRE ARM. PROVIDE 1½" HOLE IN CLAMP EXTRUSION TO CONTINUE RACEWAY. NOTE: NO RACEWAY ON LOWER TRUSS CORD CLAMP. FOR INFORMATION ONLY.

③ STIFFENER.

④ GUSSETS REQUIRED.

⑤ CLAMP BOLT ASSEMBLY (BOLT - ½"-13 UNC, 2 EACH - FLAT WASHER, LOCK WASHER, NUT) - 4 EACH PER CLAMP.

LUMINAIRE ARMS, TRUSS TYPE 6-INCH CLAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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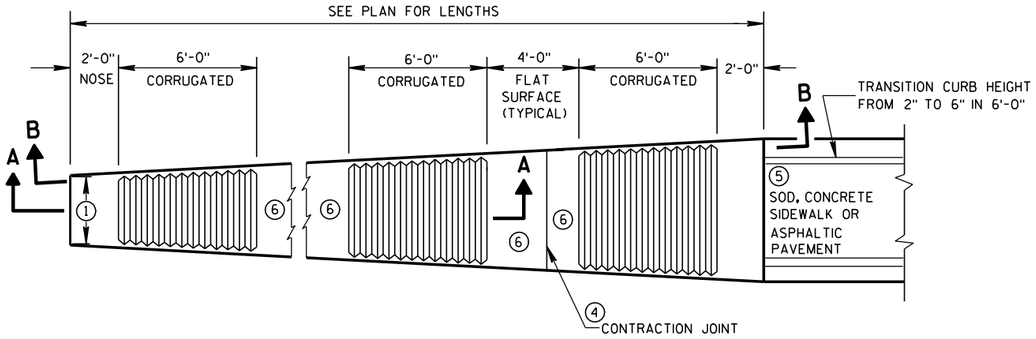
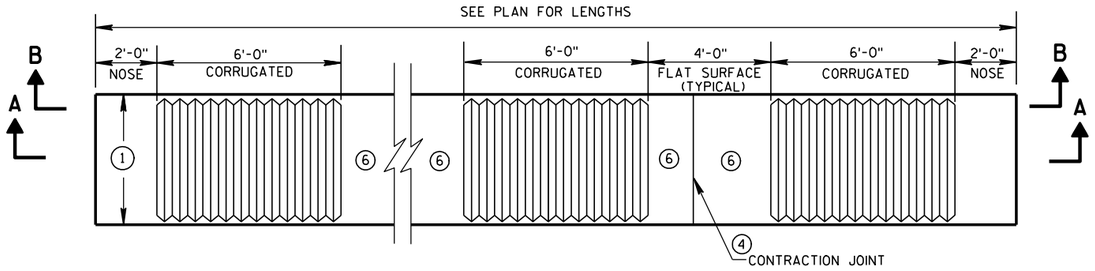
S.D.D. 10 A 18-5b



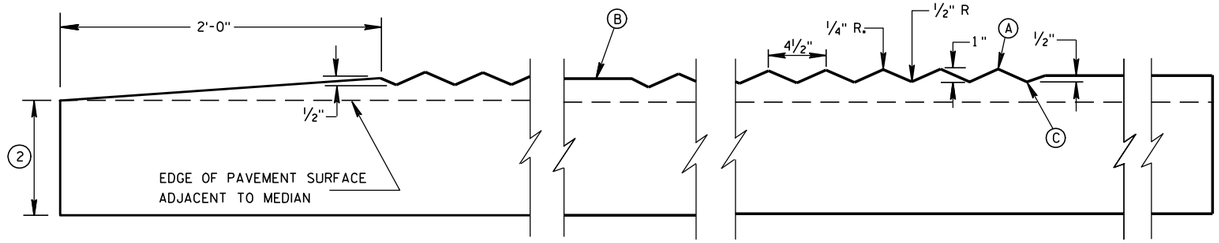
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.

ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.

(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) 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.

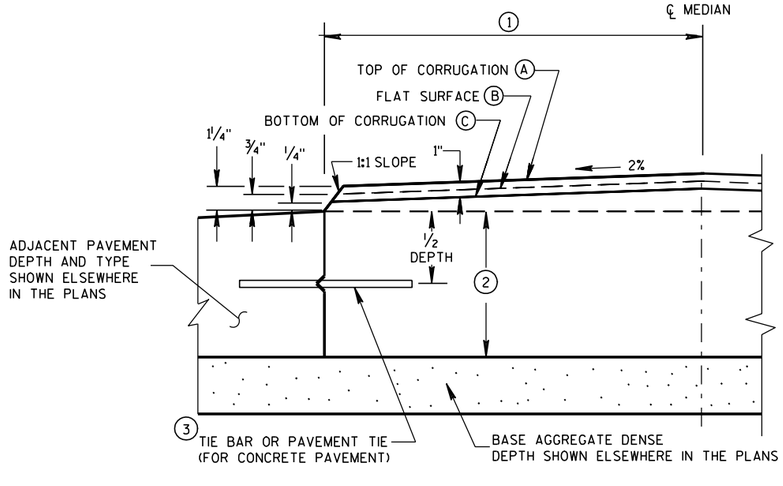
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR 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.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

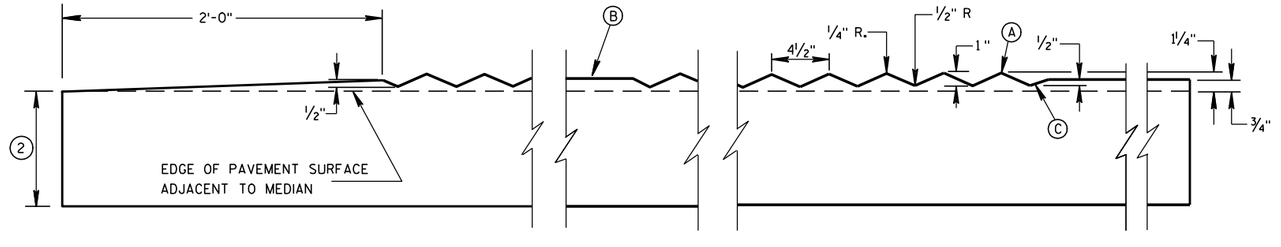
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT



SECTION B-B

LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/17/07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	410

6

S.D.D. 11 B 1-5

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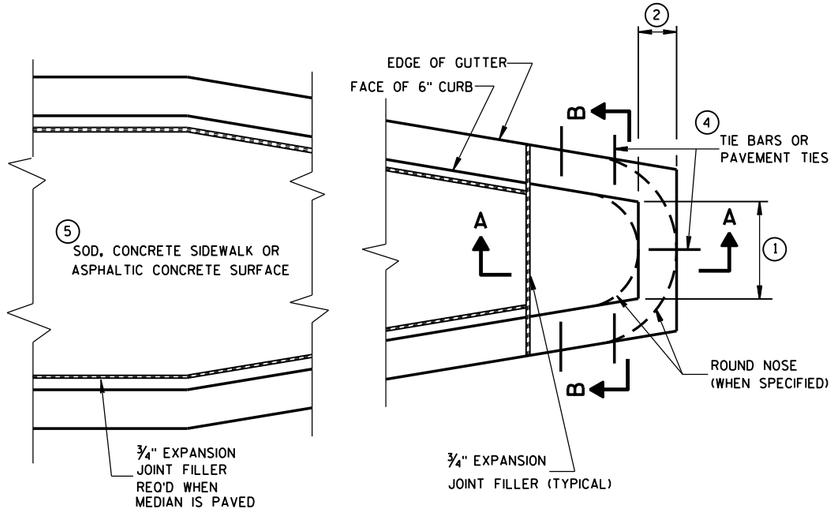
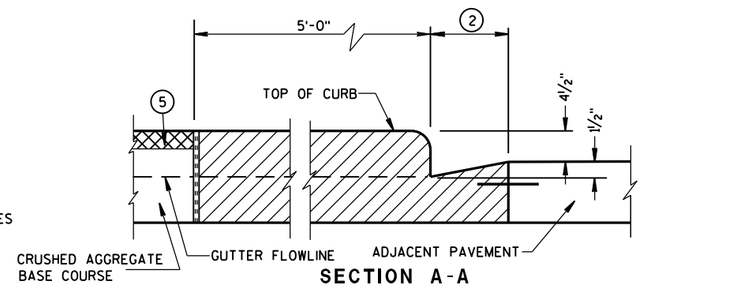
S.D.D. 11 B 1-5





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.

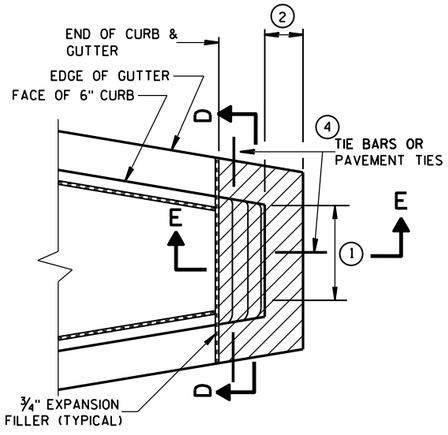
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

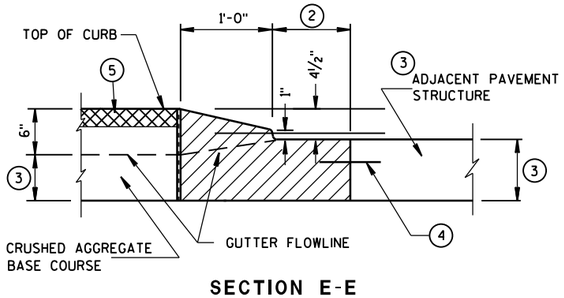
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

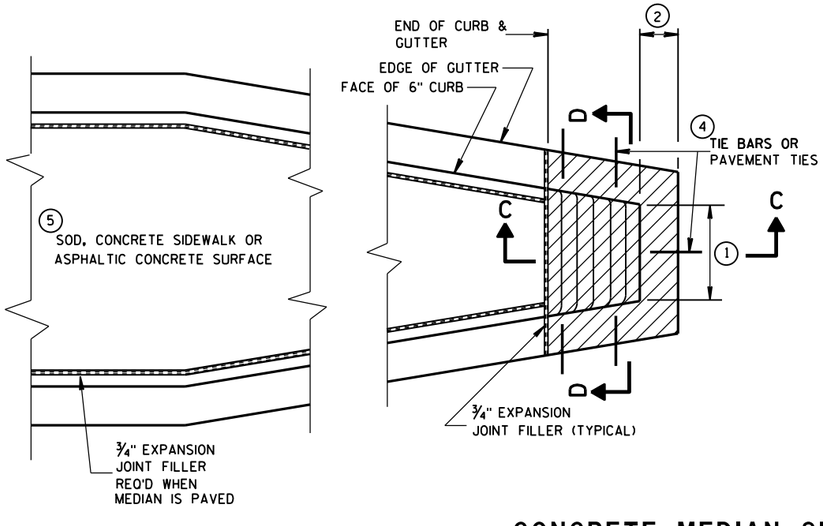
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

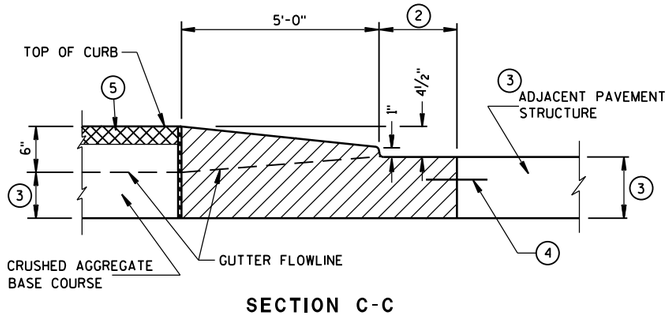
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



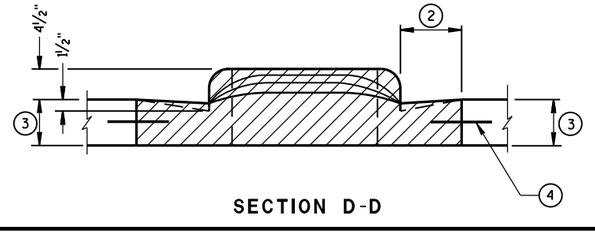


CONCRETE MEDIAN SLOPED NOSE TYPE 2





CONCRETE MEDIAN SLOPED NOSE TYPE 1



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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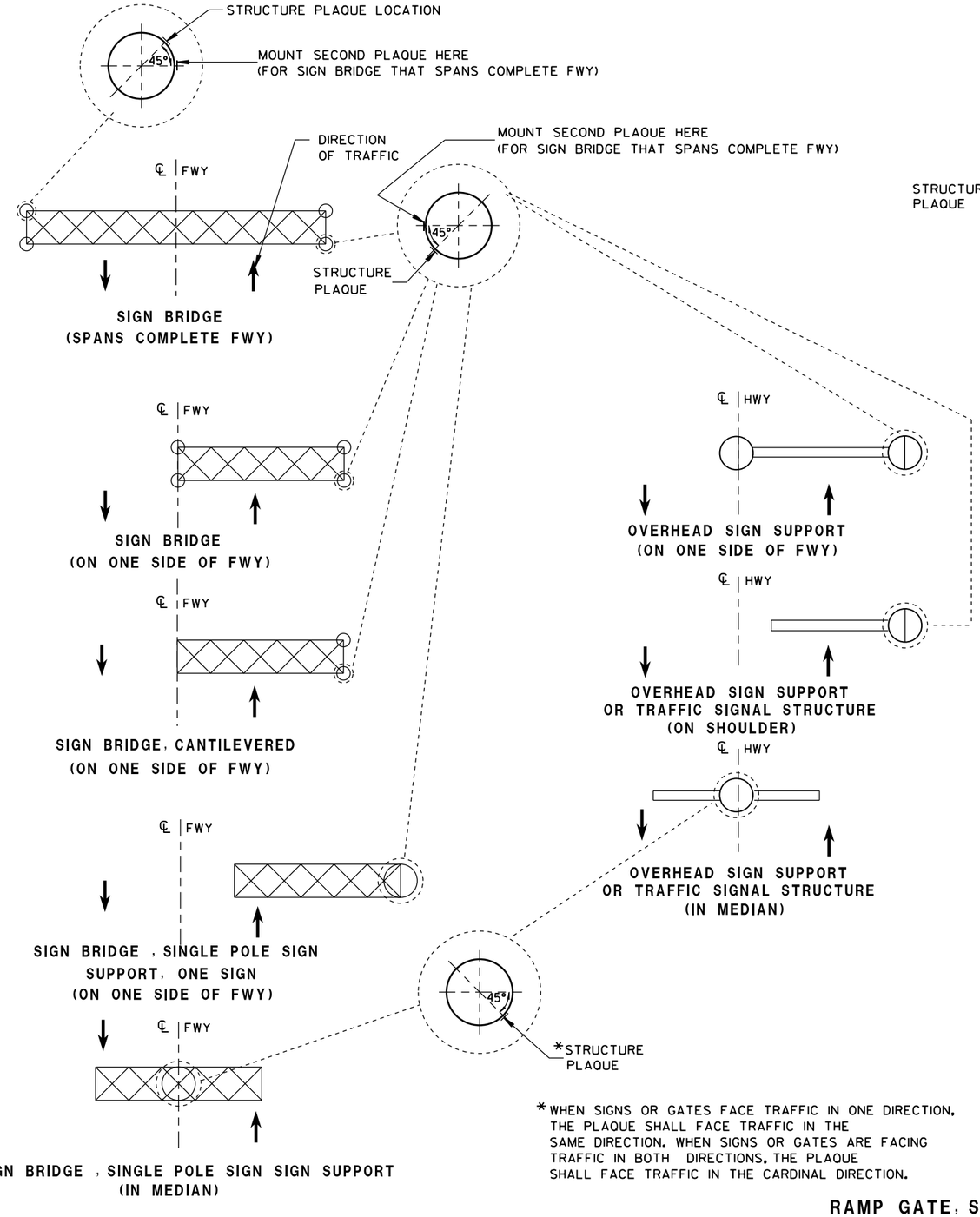
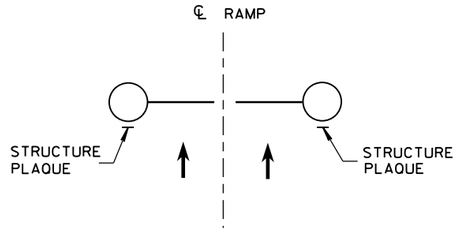
S.D.D. 11 B 2-2

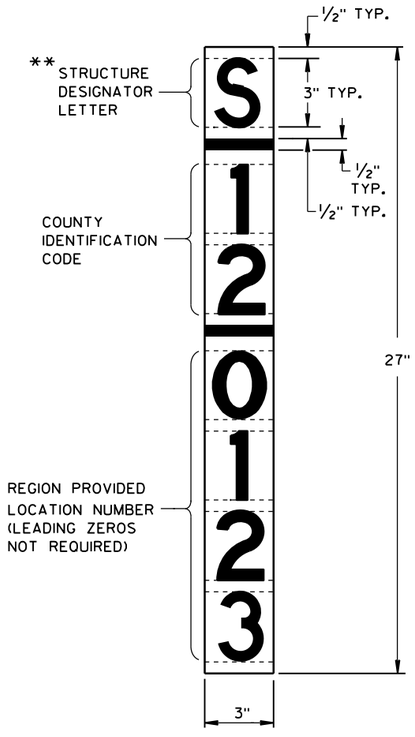


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

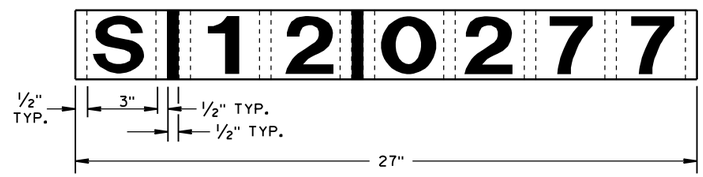
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3

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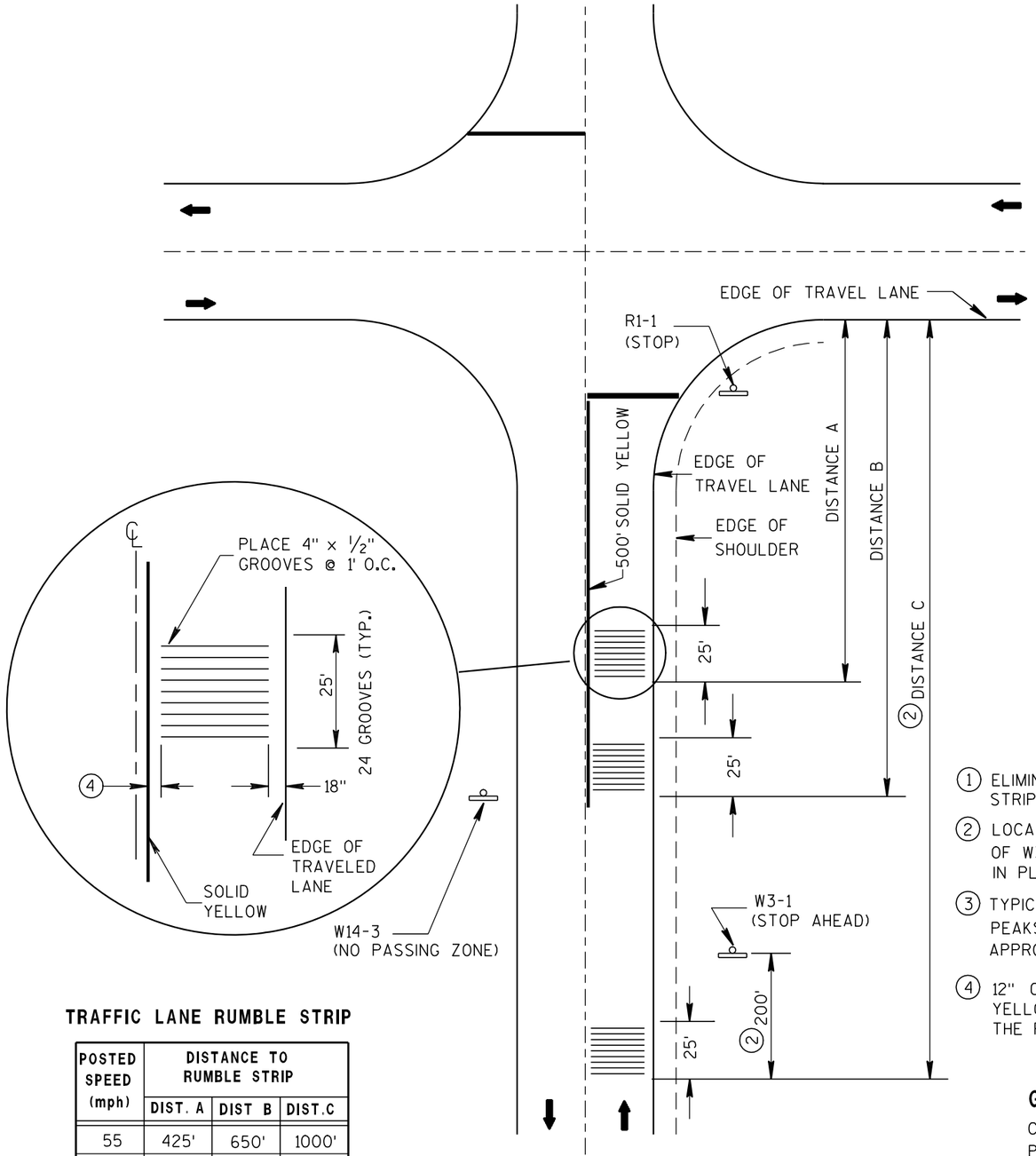
S.D.D. 12 A 4-3



ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

PLAN VIEW

RUMBLE STRIP LOCATION

TRAFFIC LANE RUMBLE STRIP

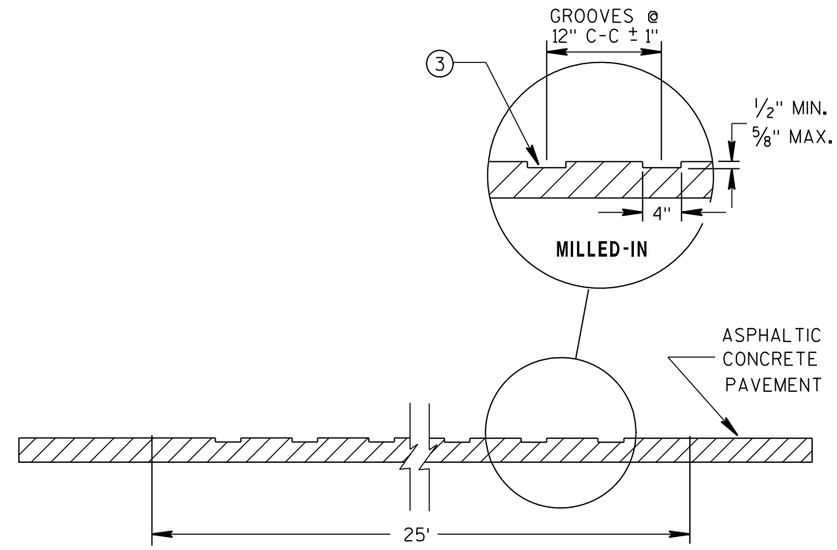
POSTED SPEED (mph)	DISTANCE TO RUMBLE STRIP		
	DIST. A	DIST B	DIST.C
55	425'	650'	1000'
50	325'	450'	800'
45	275'	400'	650'
40	225'	(1)	550'
35	175'	(1)	475'
≤ 30	125'	(1)	425'

(1) ELIMINATE THE MIDDLE SET OF RUMBLE STRIPS.

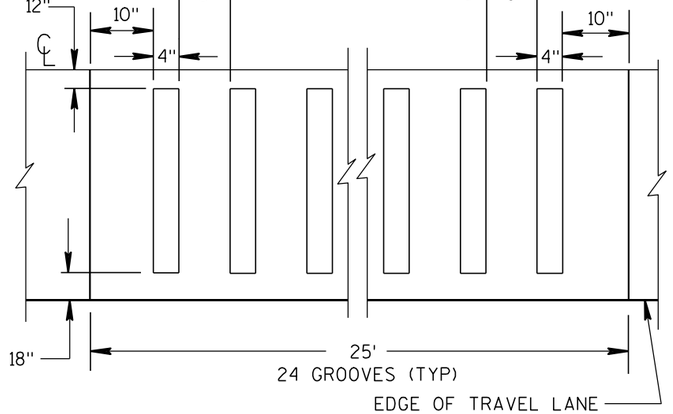
(2) LOCATE RUMBLE STRIP 200' IN ADVANCE OF W3-1 SIGN AS SHOWN. IF W3-1 IS NOT IN PLACE, USE DISTANCE C.

(3) TYPICAL VERTICAL VARIATION BETWEEN PEAKS AND VALLEYS WITHIN THE CUT APPROXIMATELY 1/16"

(4) 12" CLEAR BETWEEN THE SOLID YELLOW LINE AND THE EDGE OF THE RUMBLE.



ELEVATION VIEW



PLAN VIEW

ASPHALTIC PAVEMENT MILLED-IN

GENERAL NOTES

CONTRACTOR SHALL CONFIRM RUMBLE STRIP LOCATION WITH THE ENGINEER PRIOR TO INSTALLATION. THE ENGINEER MAY MODIFY THE RUMBLE STRIP LOCATION AS FIELD CONDITIONS DICTATE.

WHEN ASPHALTIC PAVEMENT IS NEW IN THE RUMBLE AREA THE CONTRACTOR SHALL ALLOW THE PAVEMENT TO CURE A MINIMUM OF 7 DAYS PRIOR TO RUMBLE INSTALLATION.

PAVEMENT MARKING AND SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

ASPHALTIC RUMBLE STRIPS AT INTERSECTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/17/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS | 413
ENGINEER

FHWA

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S.D.D. 13 A 8-1

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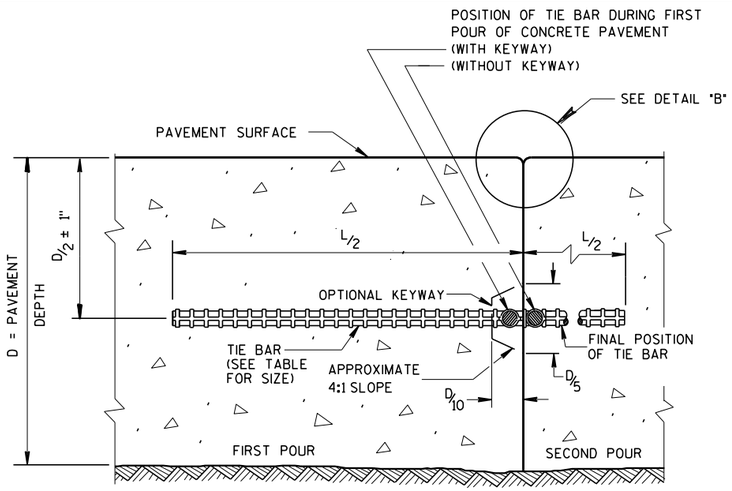
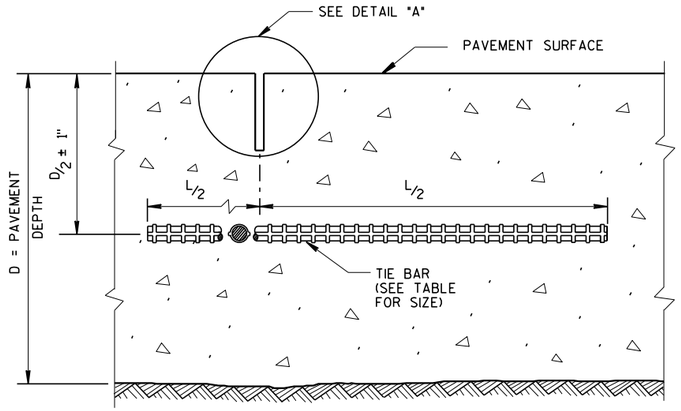
S.D.D. 13 A 8-1



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

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.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kerr, P.E.
PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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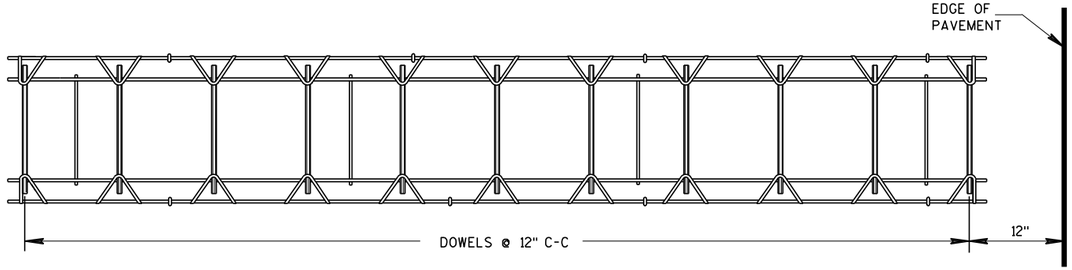
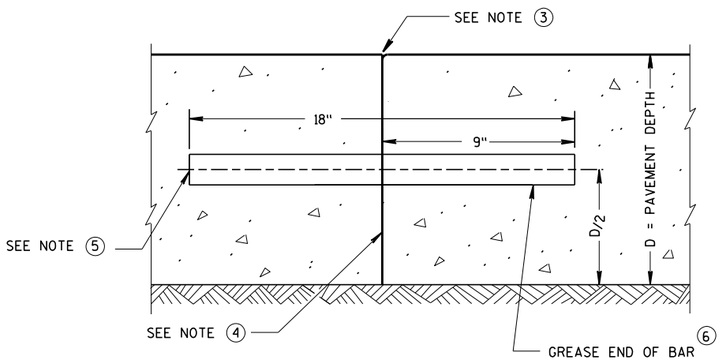
S.D.D. 13 C 1-19



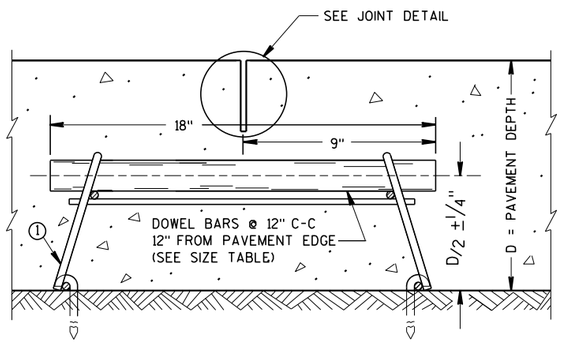
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



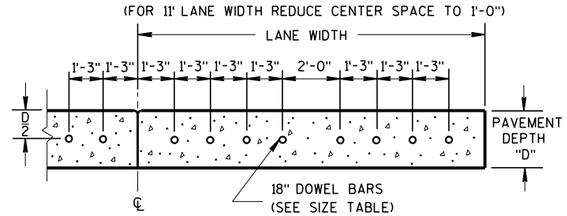
TRANSVERSE CONSTRUCTION JOINT



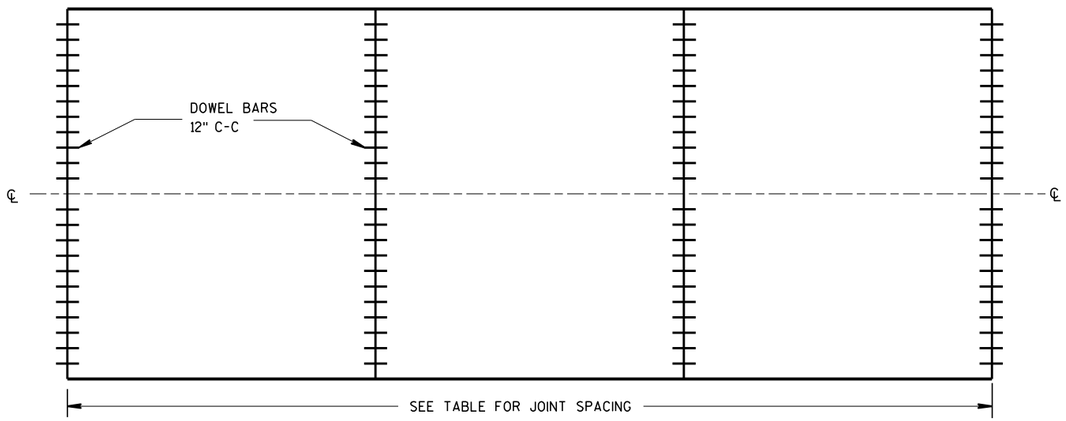
DOWELED CONTRACTION JOINT

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.

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.

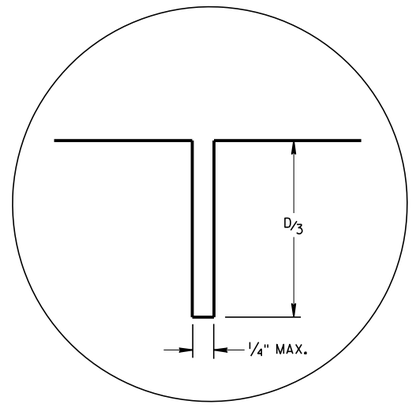
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

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
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP

FHWA

6

S.D.D. 13 C 13-9

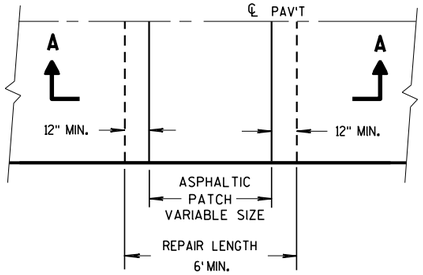
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

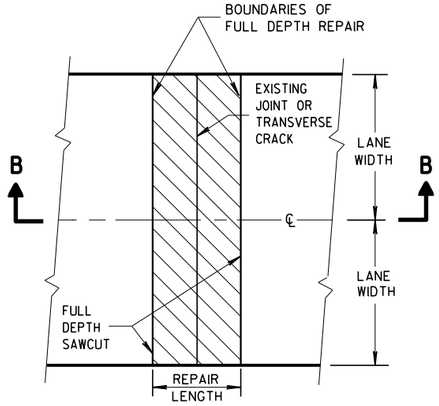
PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

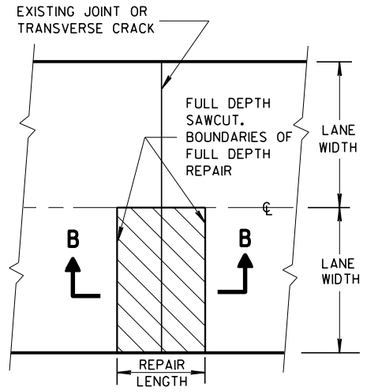
(1) DOWEL BARS MIGHT NOT EXIST.



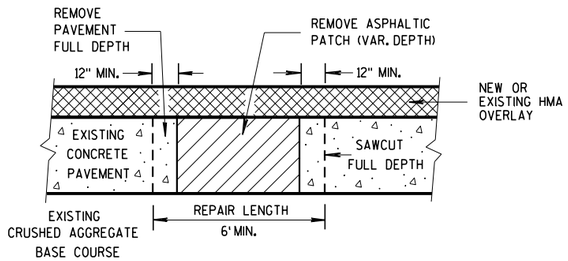
PLAN VIEW



PLAN VIEW
(DOUBLE LANE REPAIR)



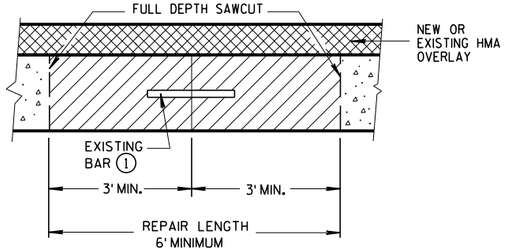
PLAN VIEW
(SINGLE LANE REPAIR)



SECTION A-A

HMA PATCH REMOVAL

FULL DEPTH CONCRETE PAVEMENT REMOVAL



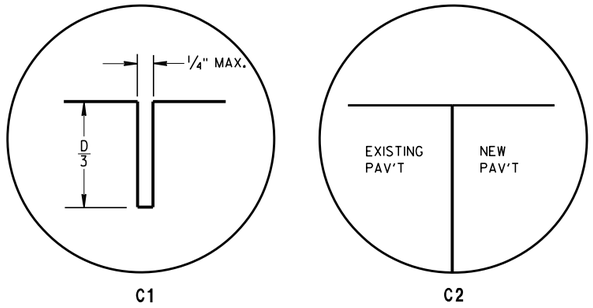
SECTION B-B

CONCRETE REMOVAL

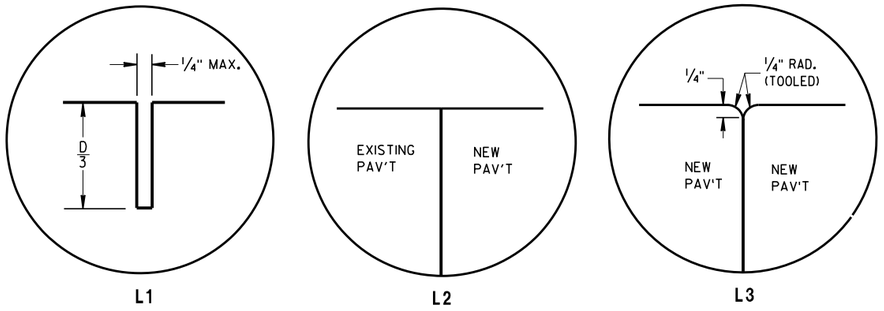
BASE PATCHING CONCRETE

6

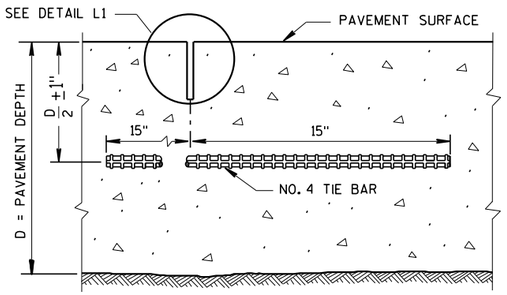
S.D.D. 13 C 14-7a



TRANSVERSE JOINTS

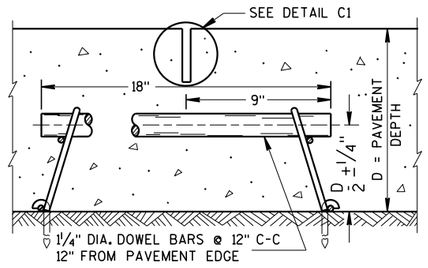


LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT



SECTION F-F

CONTRACTION JOINT

GENERAL NOTES

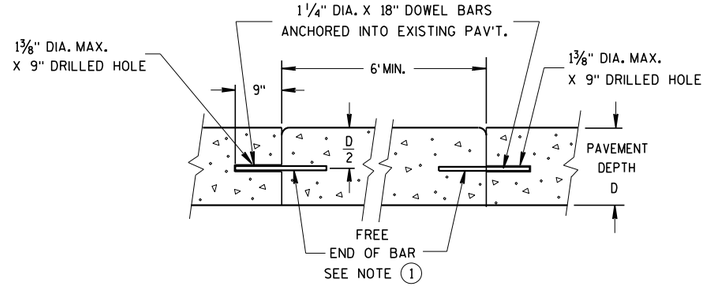
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

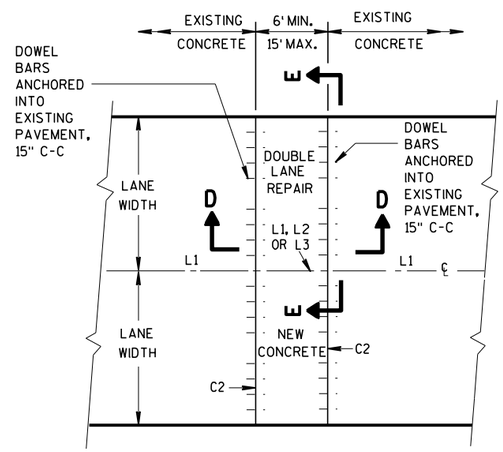
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

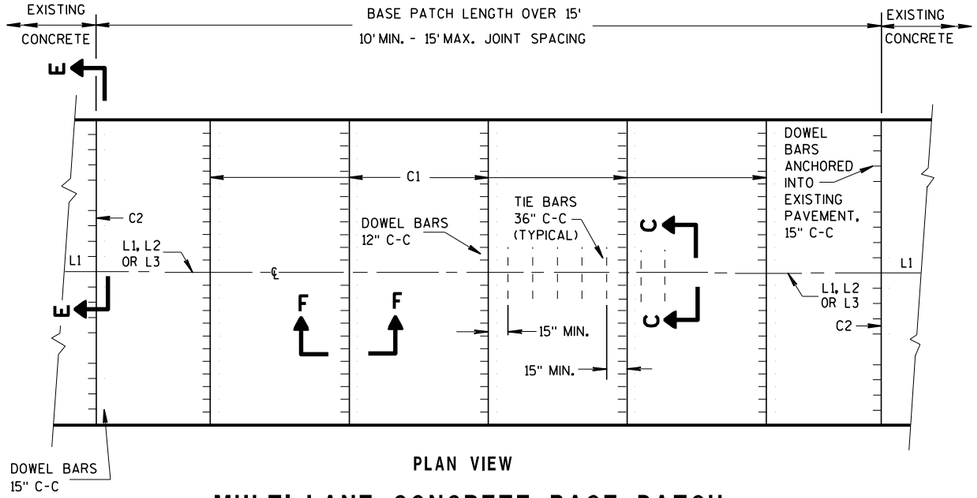


SECTION D-D



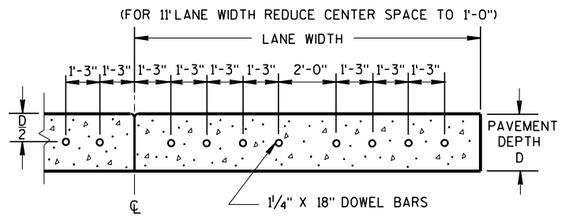
PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTI-LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

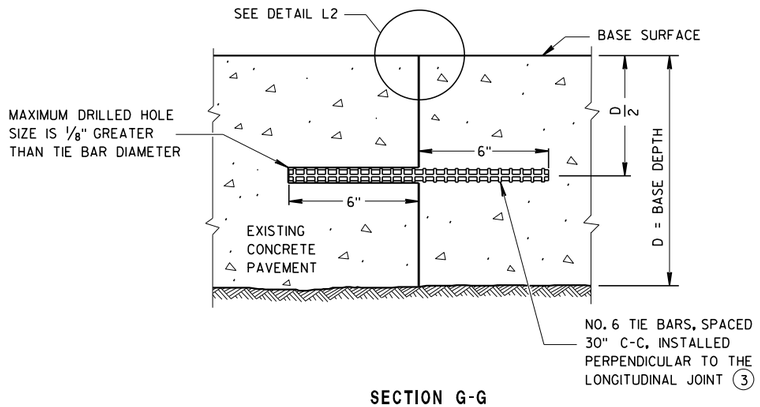


SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

BASE PATCHING CONCRETE

6
S.D.D. 13 C 14-7b



SECTION G-G

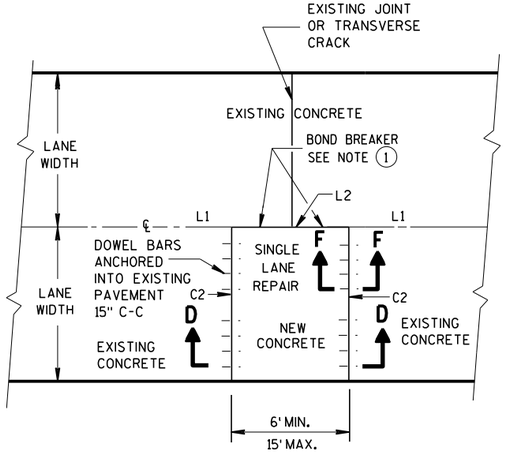
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE BASE PATCHES UP TO 15 FEET IN LENGTH.

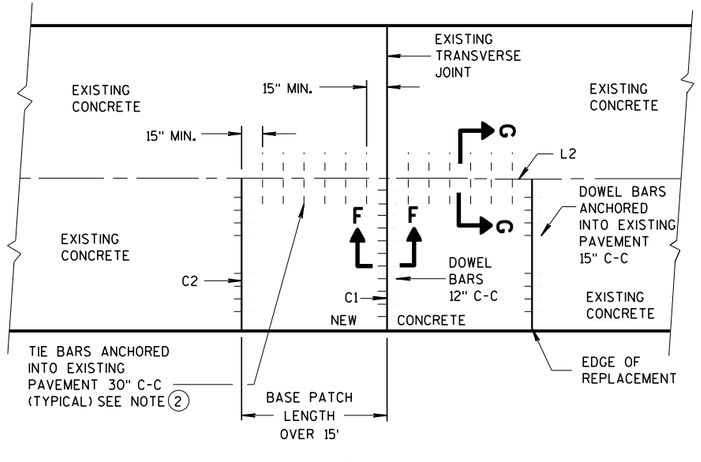
(2) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, DRILLED TIE BARS MAY BE INSTALLED ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

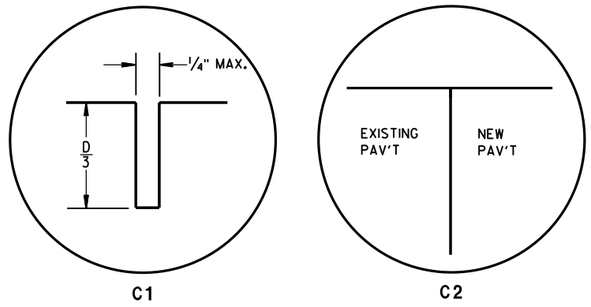
BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

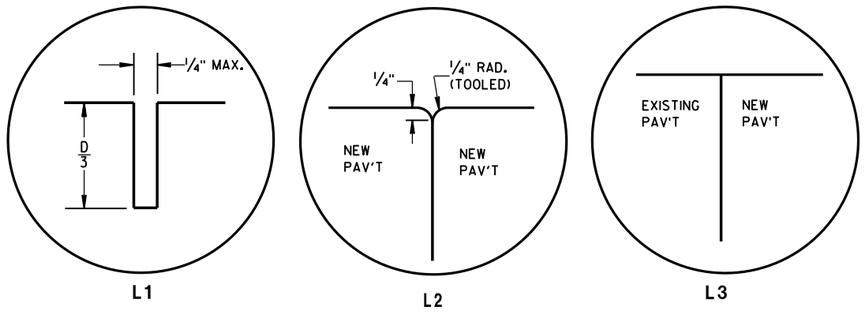
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPERVISOR
FHWA

6

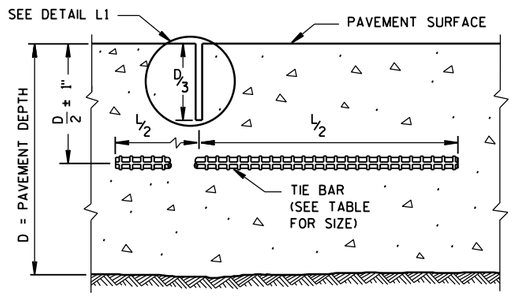
S.D.D. 13 C 14-7c



TRANSVERSE JOINTS

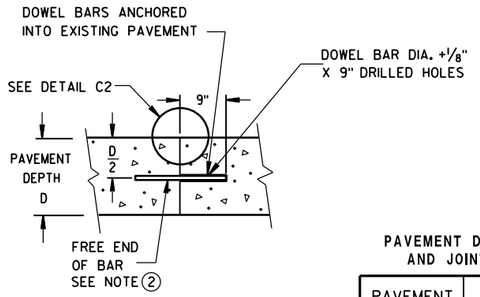


LONGITUDINAL JOINTS



SECTION C-C

SAWED JOINT



SECTION D-D

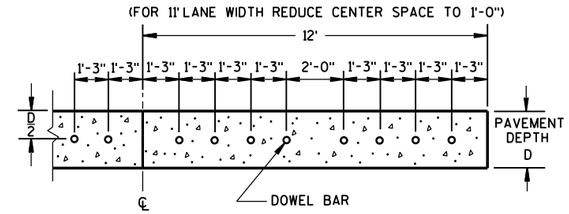
GENERAL NOTES

ANCHOR TIE BARS AND DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

(2) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

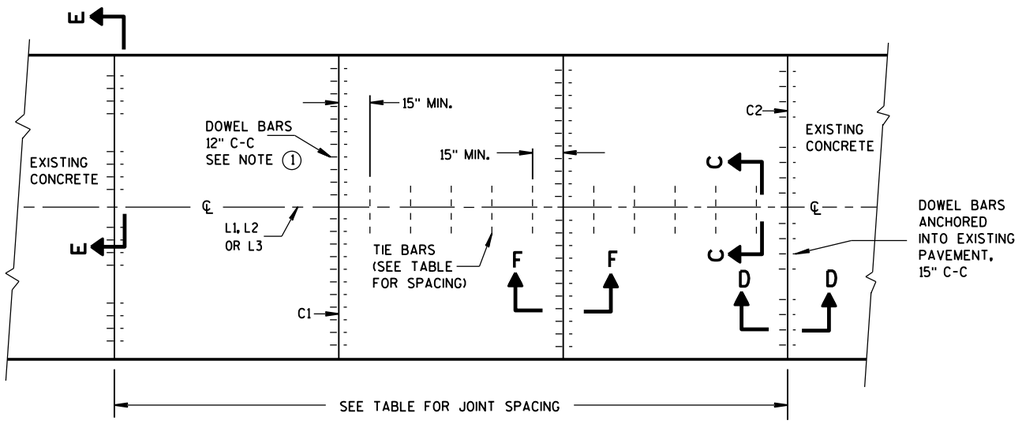
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5½", 6, 6 ½"	NONE	12'
7, 7 ½"	1"	14'
8, 8 ½"	1 ¼"	15'
9, 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

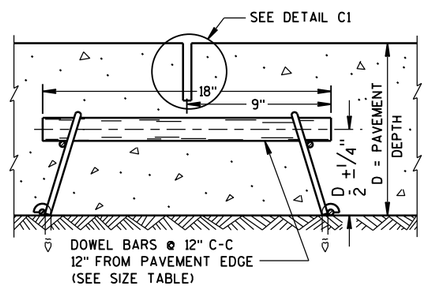
* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW

CONCRETE BASE CONTRACTION JOINT LOCATIONS



SECTION F-F

CONTRACTION JOINT

CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

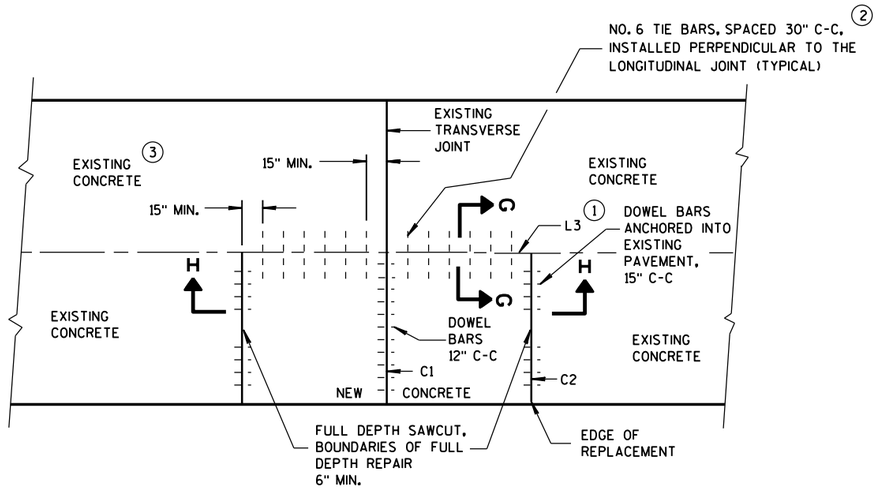
6
S.D.D. 13 C 15-6a

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) AT THE LONGITUDINAL JOINT IN LIEU OF TIE BARS FOR SINGLE LANE CONCRETE BASE REPAIRS UP TO 15 FEET IN LENGTH.

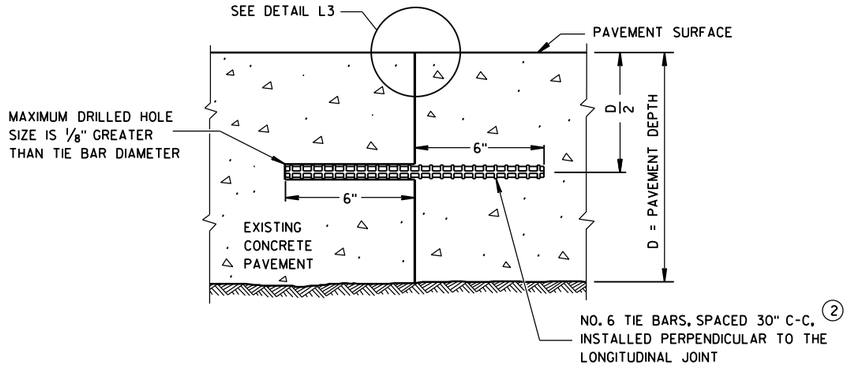
(2) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(3) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



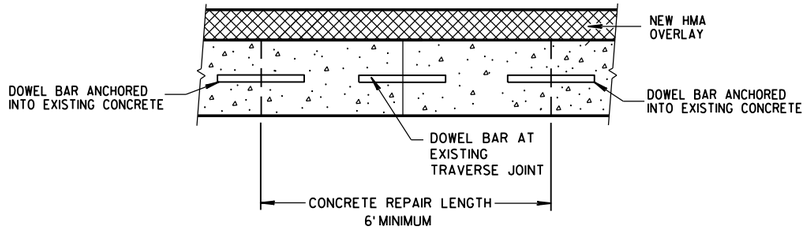
PLAN VIEW

SINGLE LANE CONCRETE BASE REPAIR



SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



SECTION H-H

CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

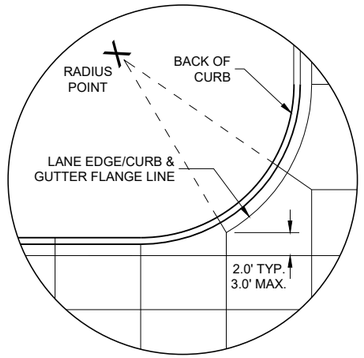
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPEI
FHWA

6

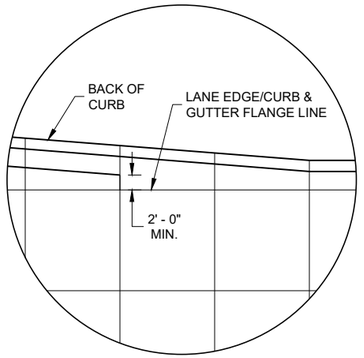
S.D.D. 13 C 15-6b

6

S.D.D. 13 C 15-6b



DETAIL "A"



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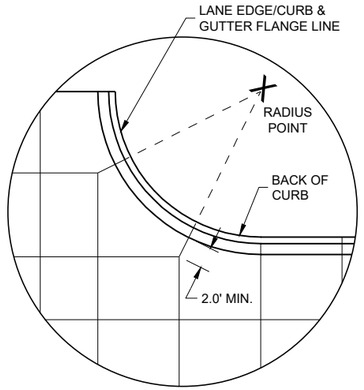

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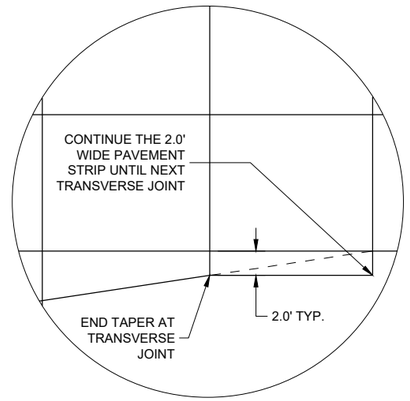


DETAIL "D"

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.

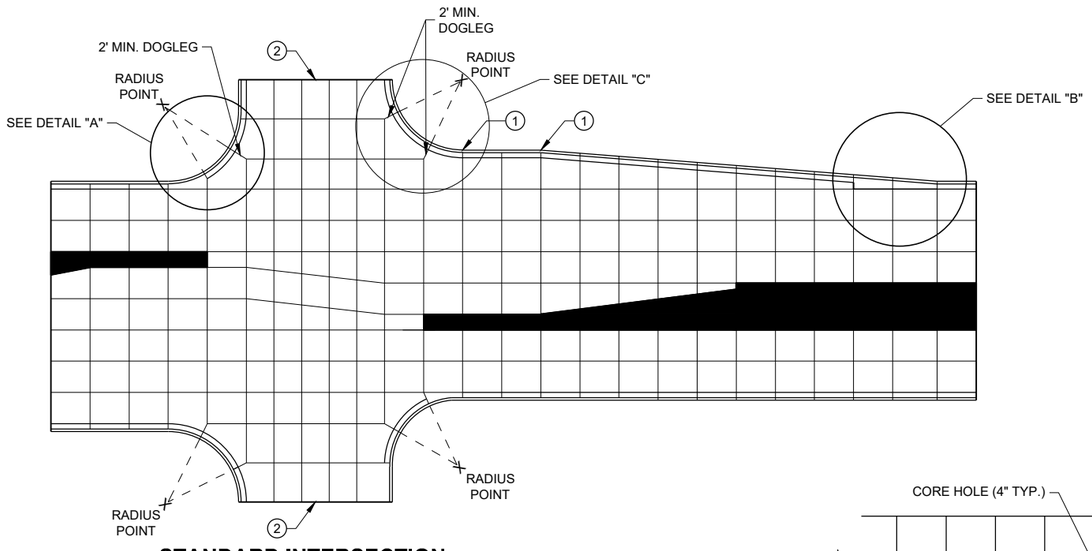
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

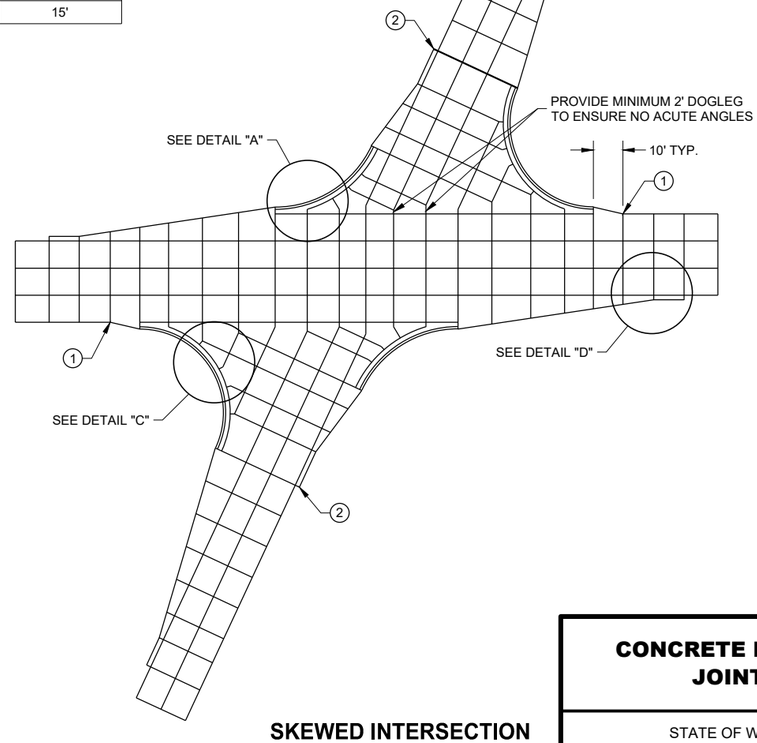
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



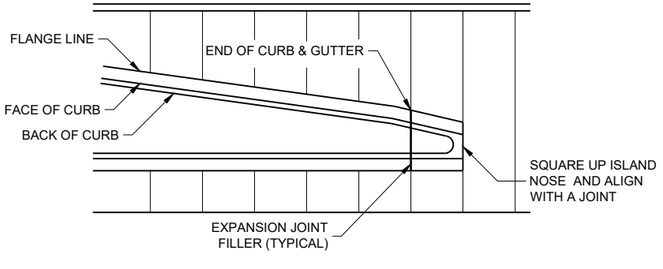
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

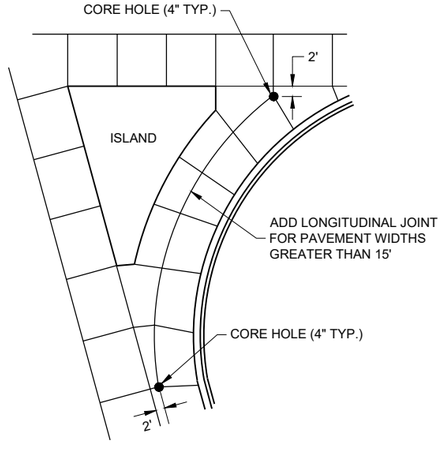
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07a

6

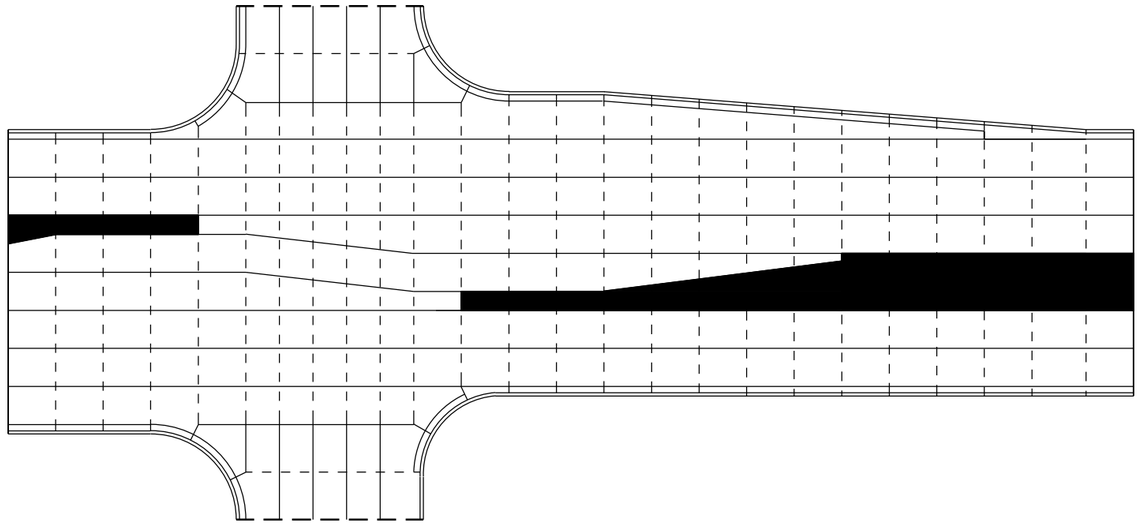
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

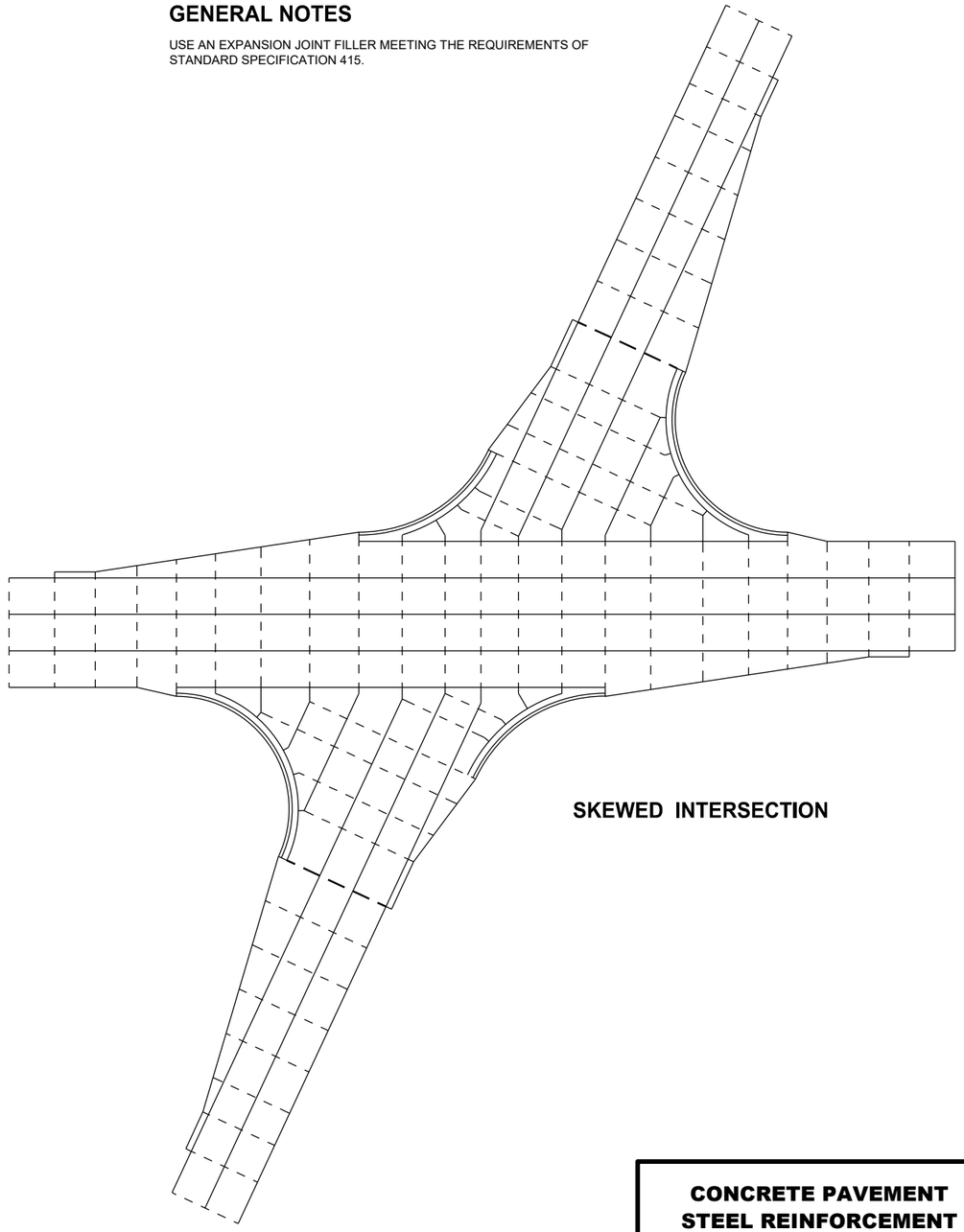
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

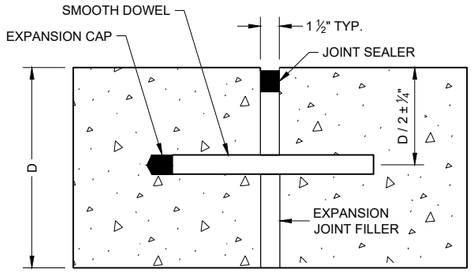
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

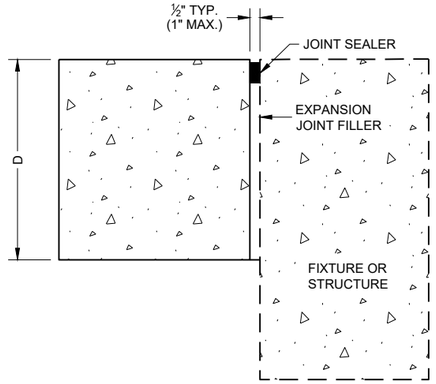
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

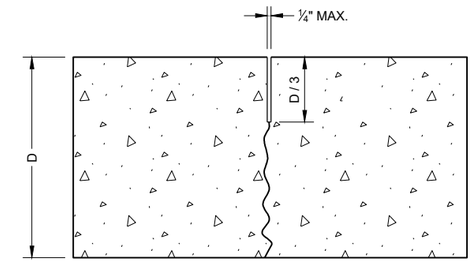
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

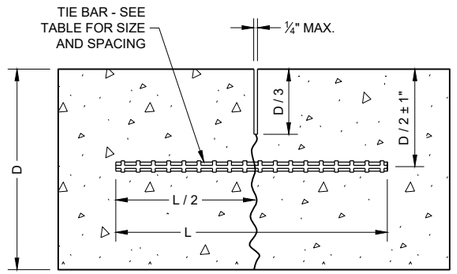
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

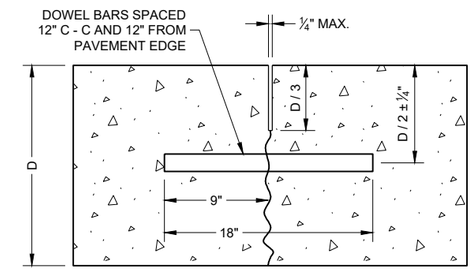
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

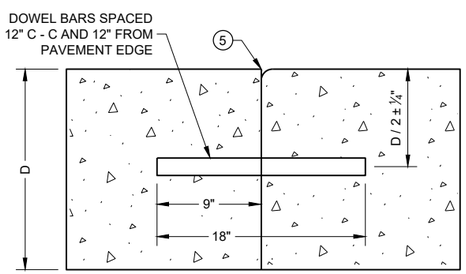


TIED LONGITUDINAL

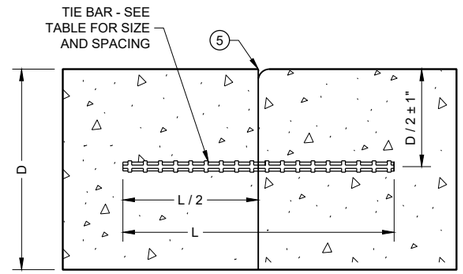


DOWELED TRANSVERSE

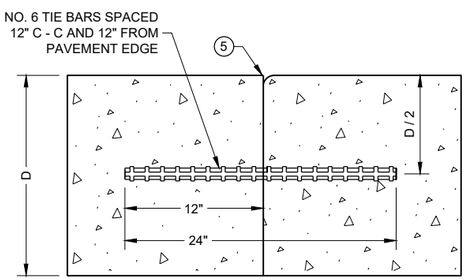
CONTRACTION JOINTS (2)



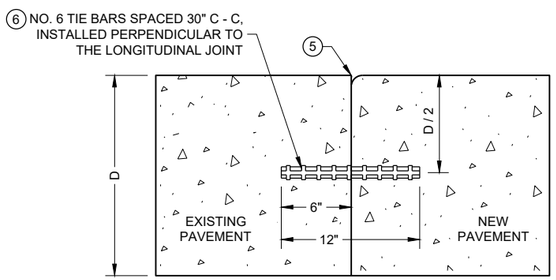
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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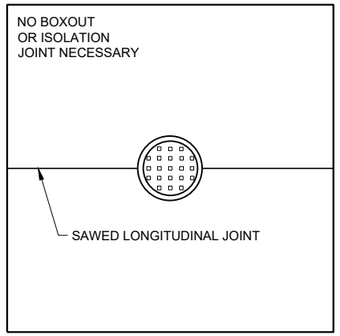
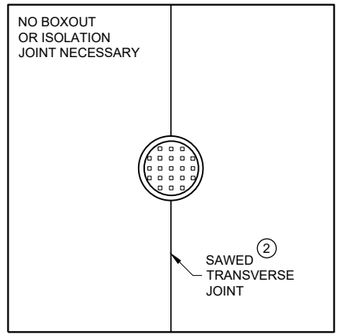
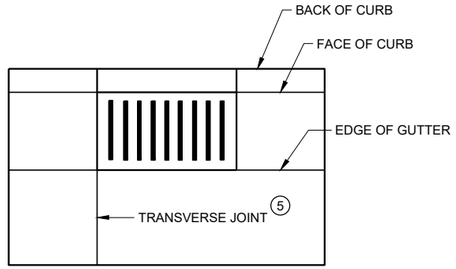
SDD 13C18 - 07c
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



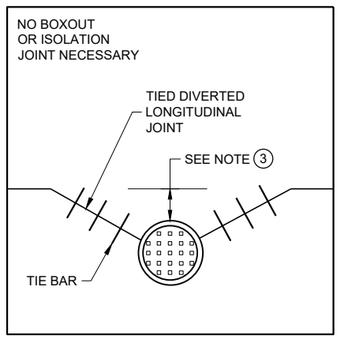
MANHOLE WITH TRANSVERSE JOINT



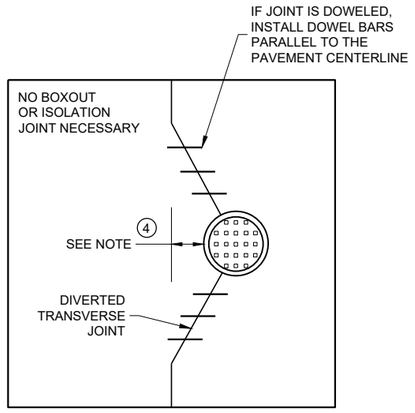
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

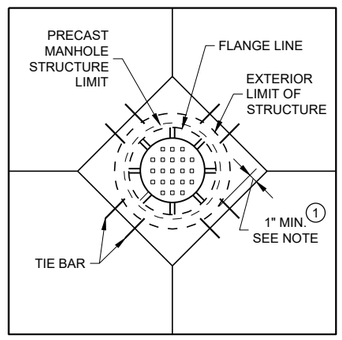
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL 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 REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 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 REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

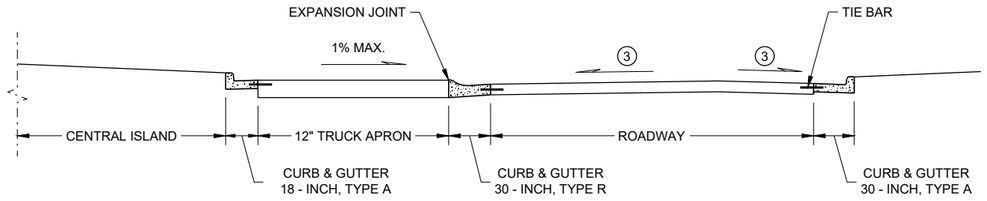
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

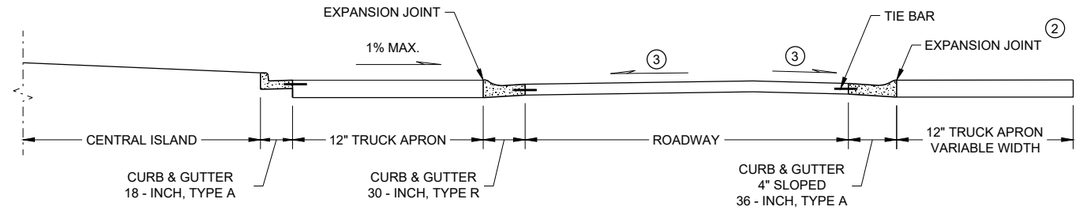
FHWA

6

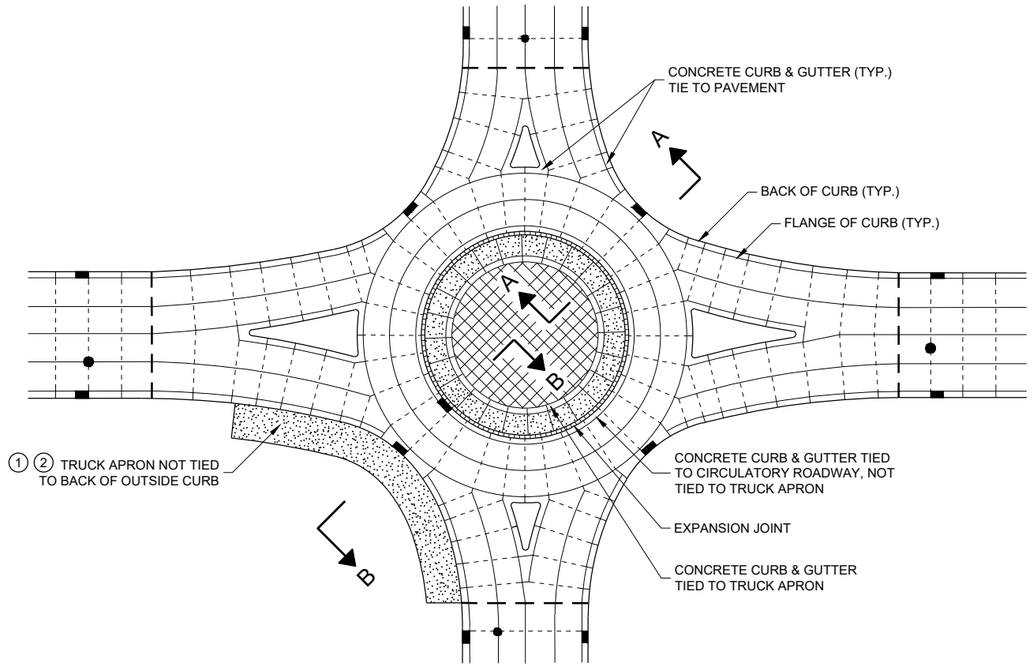
SDD 13C18 - 07d



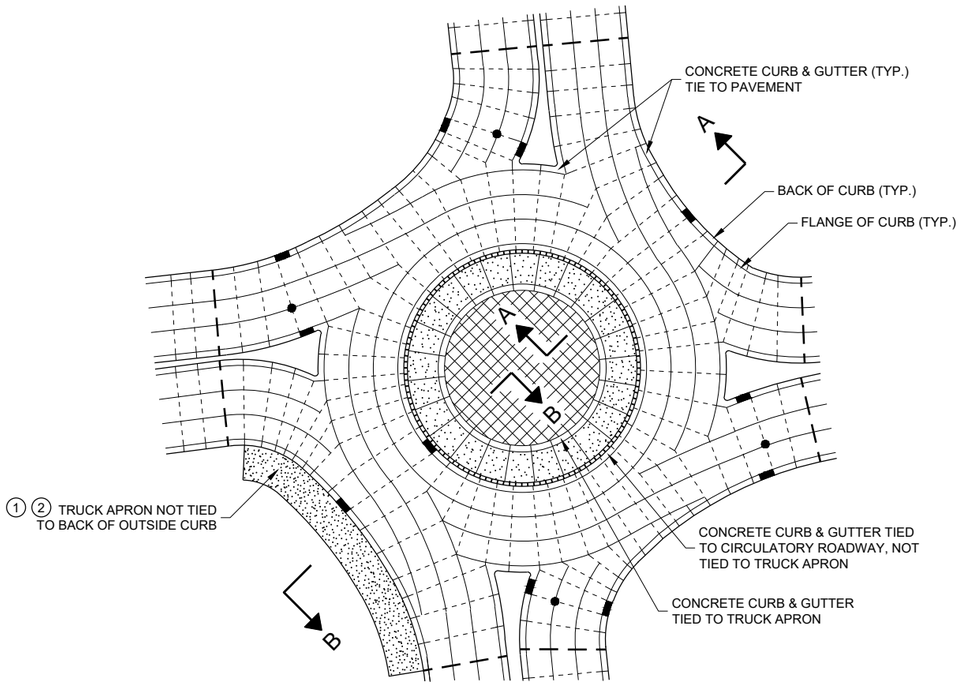
SECTION A - A



SECTION B - B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

FHWA

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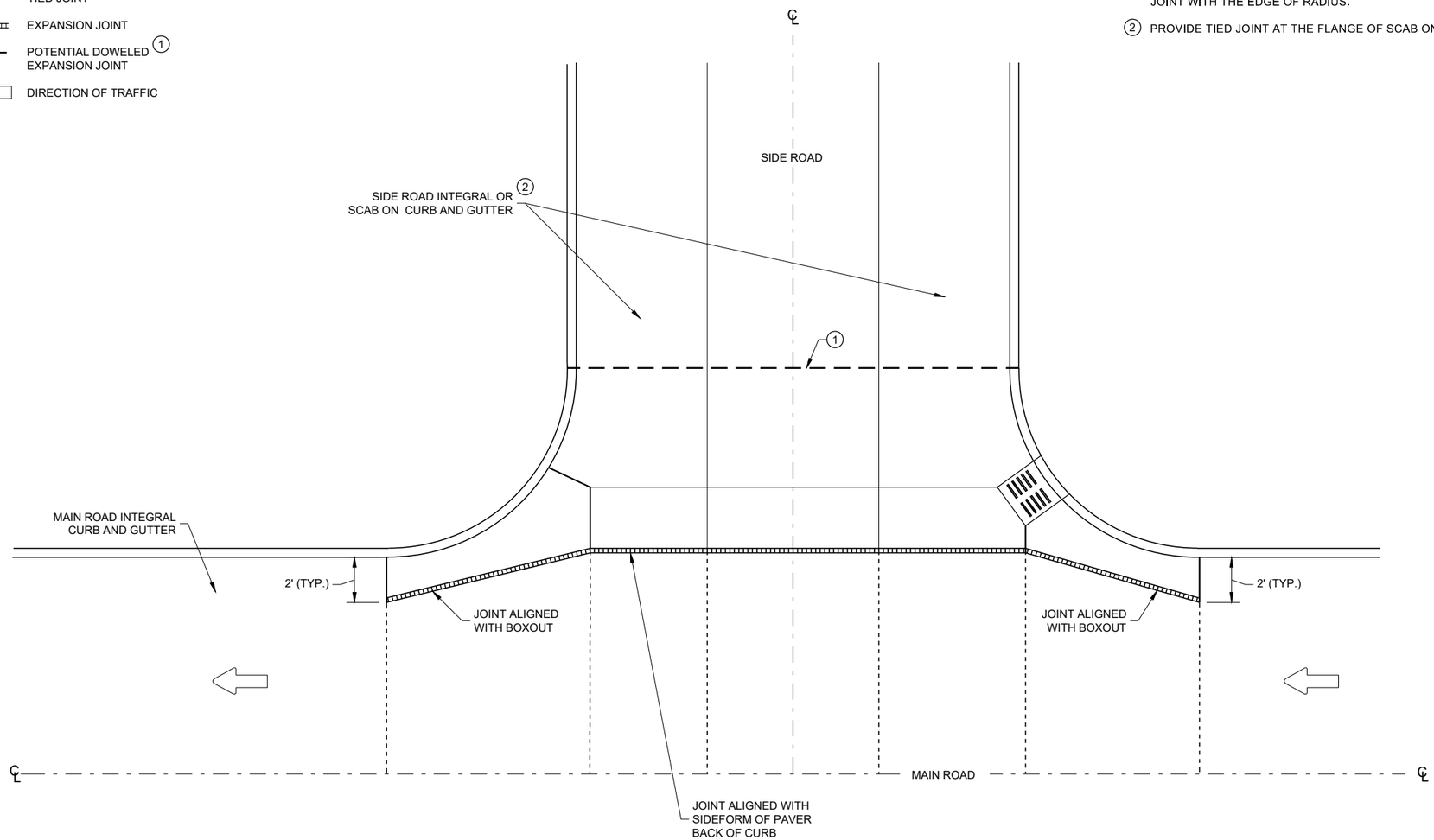
SDD 13C18 - 07e

SDD 13C18 - 07e

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) 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 THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

6

SDD 13C18 - 07f

6

SDD 13C18 - 07f

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

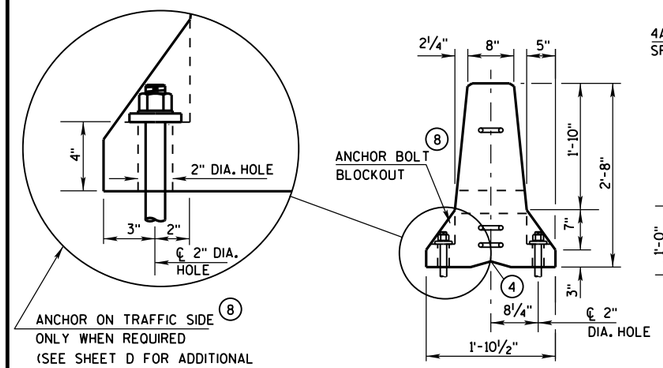
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

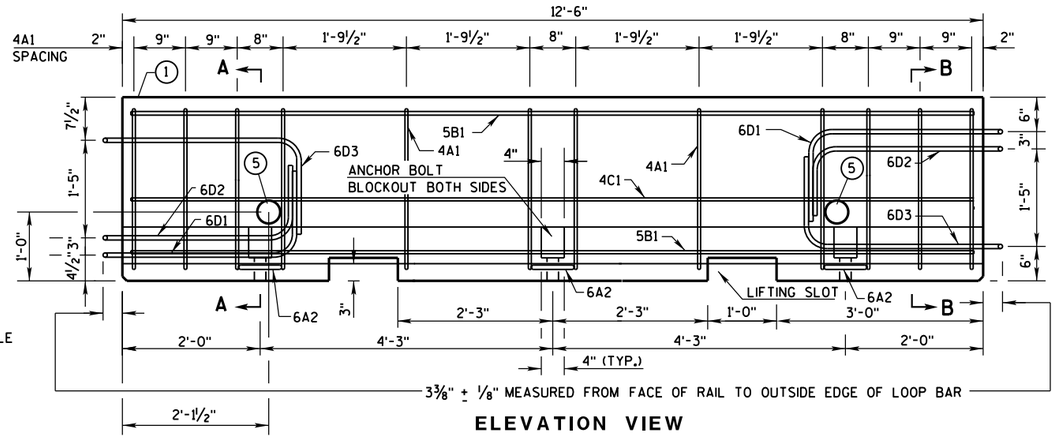
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

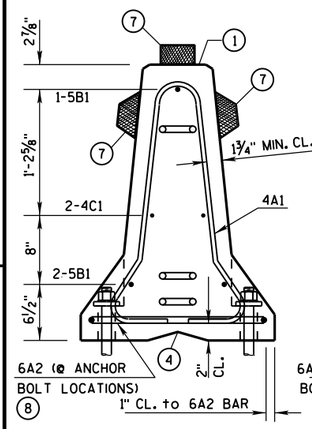
FHWA



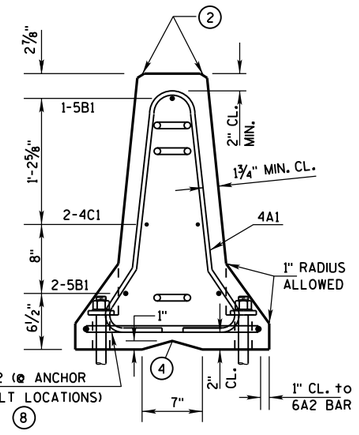
END VIEW



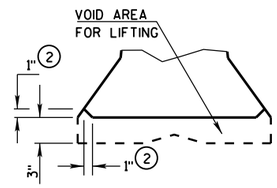
ELEVATION VIEW



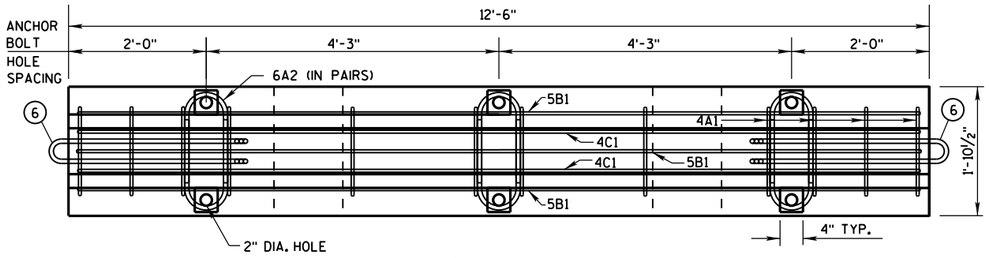
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

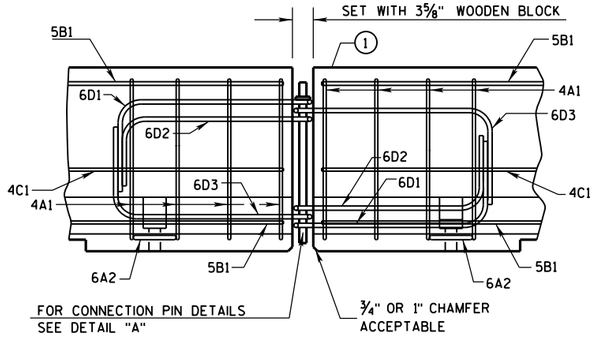


DETAIL "B"
LIFTING SLOT DETAIL

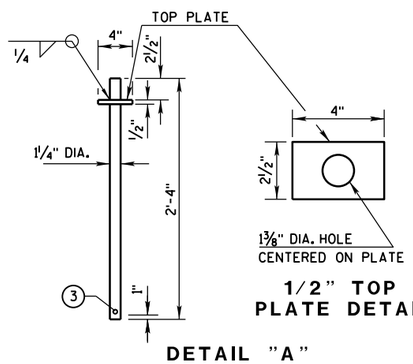


PLAN VIEW

DETAILS OF BARRIER SECTION

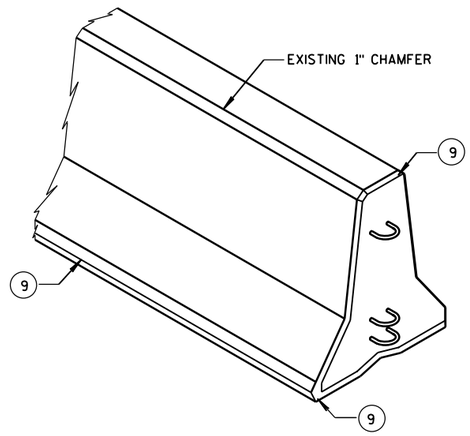


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

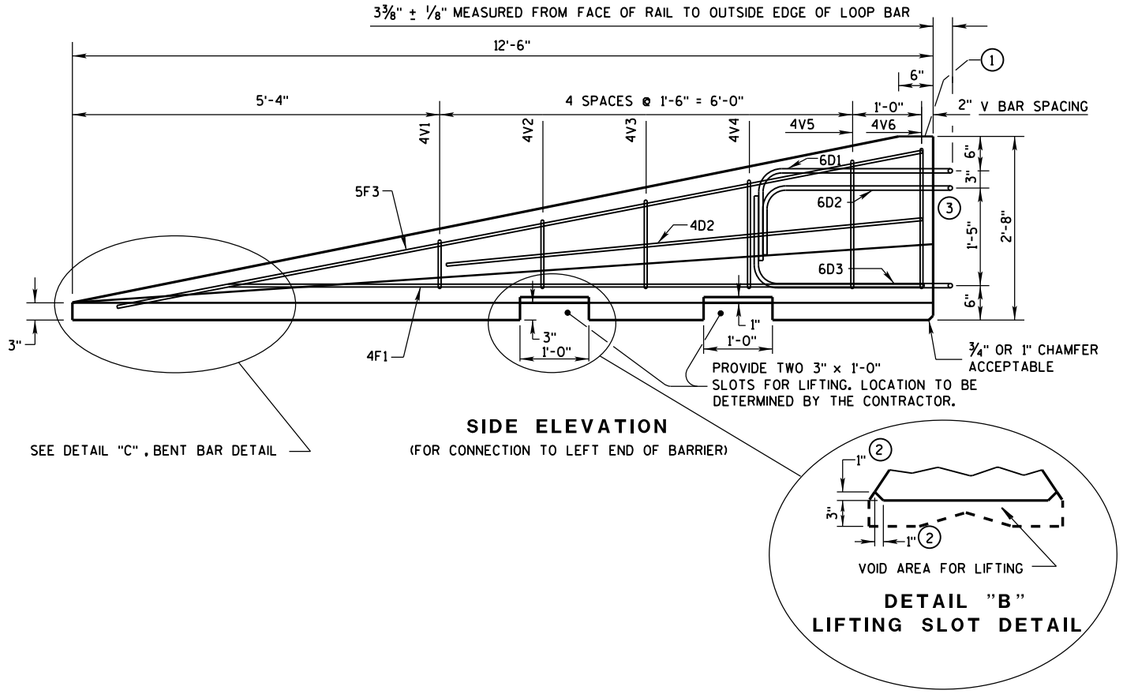
f'c = 4,000 psi

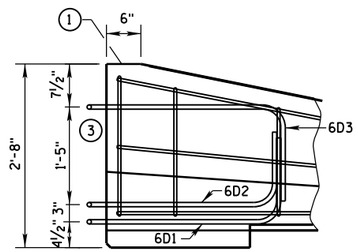
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

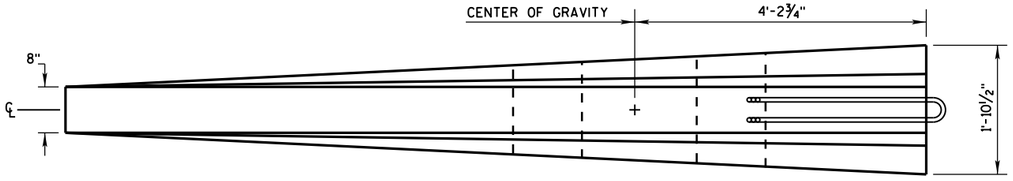
S.D.D. 14 B 7-15a

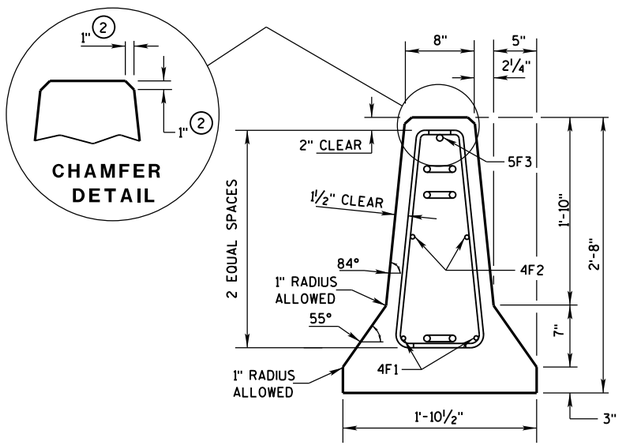


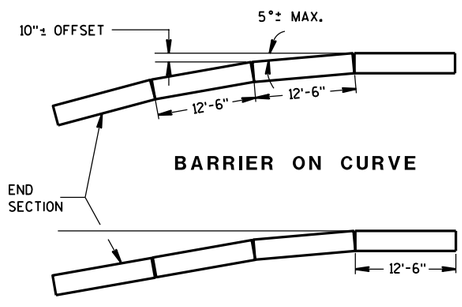


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

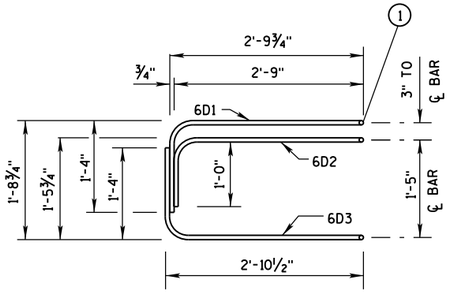
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15b

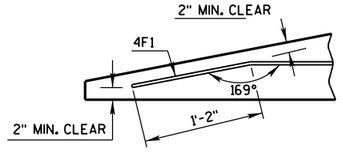
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

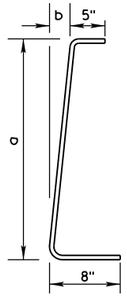
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

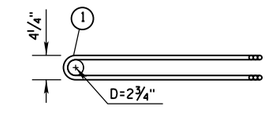
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

BARRIER SECTION BILL OF MATERIALS

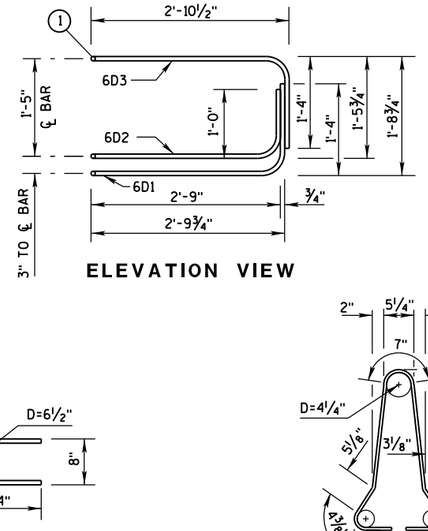
(PER 12'-6" BARRIER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"

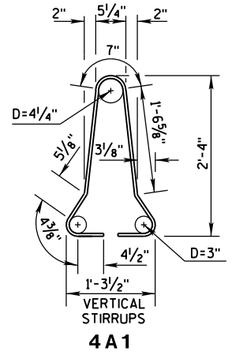


PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)

6A2



ELEVATION VIEW



4A1

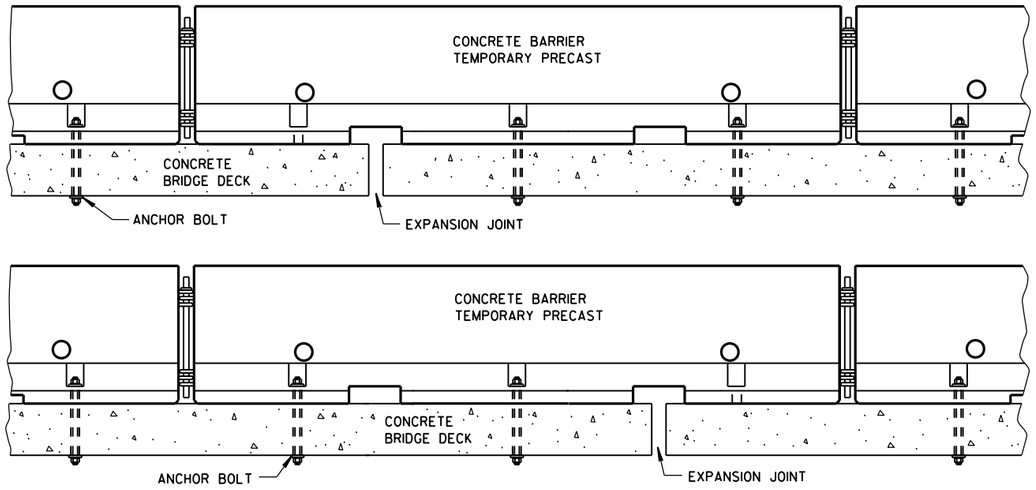
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

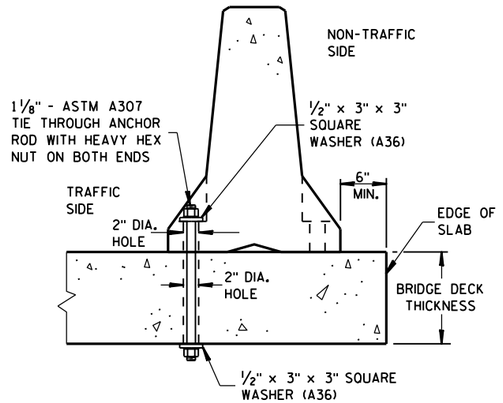
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

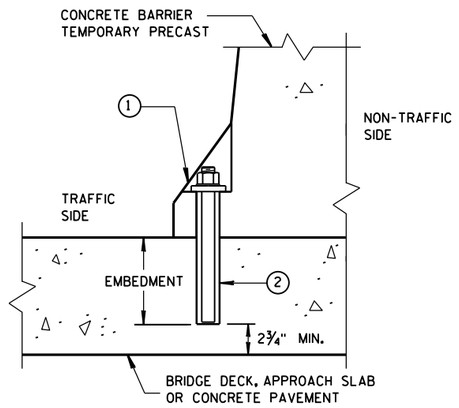
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



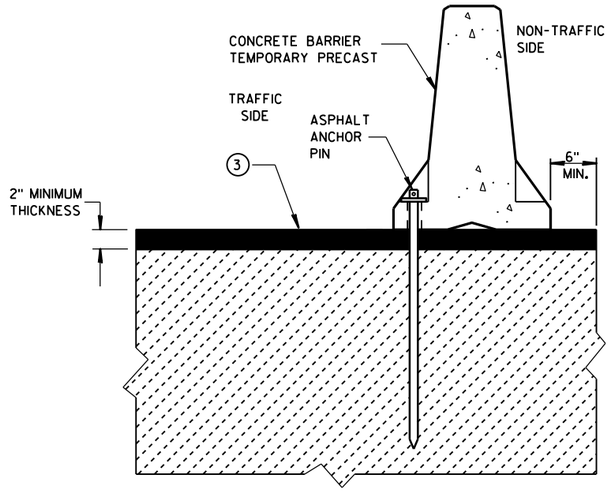
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

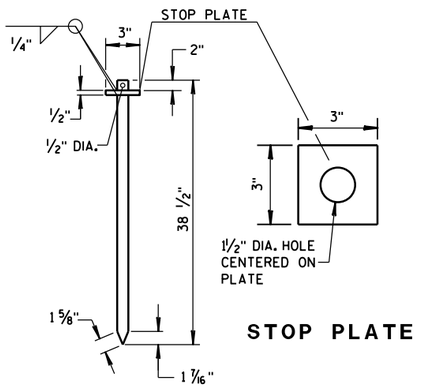


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



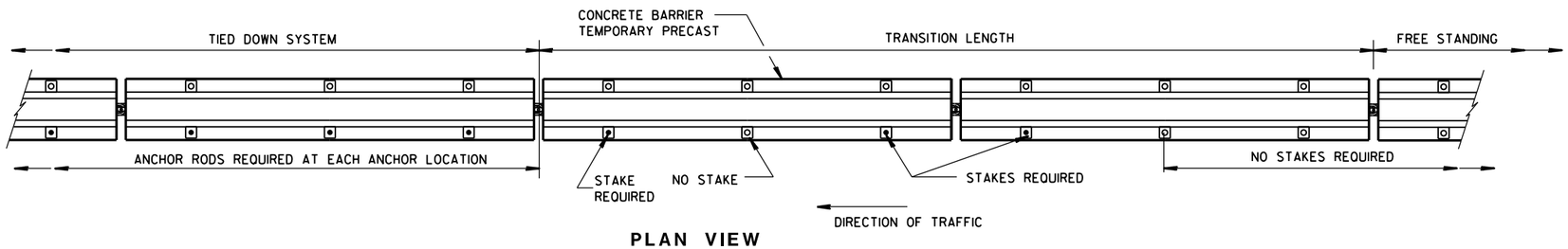
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

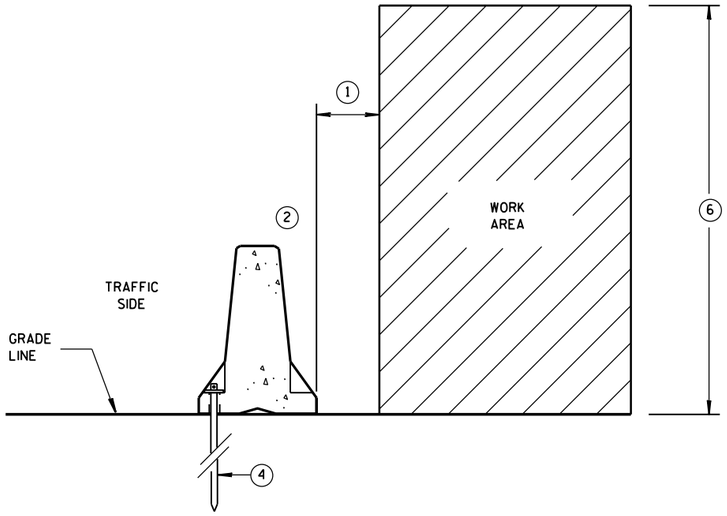
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

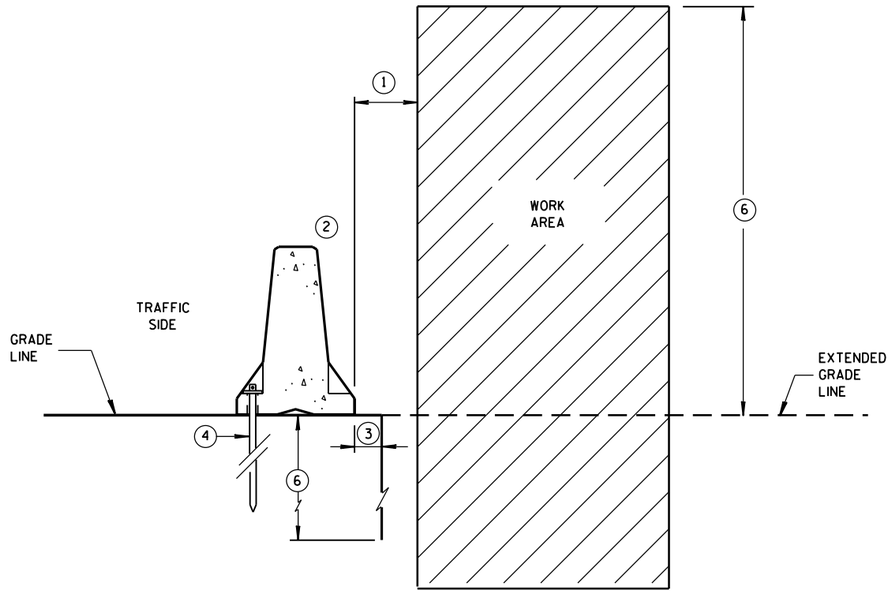
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

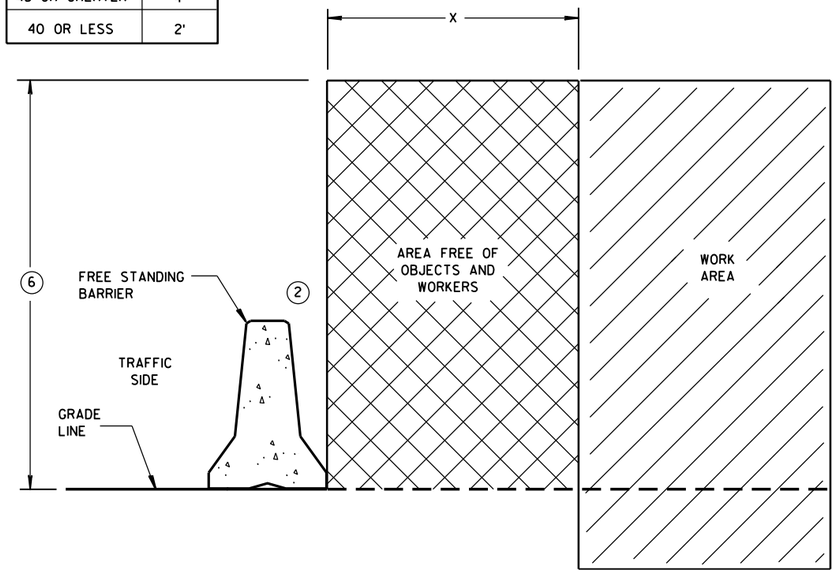


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

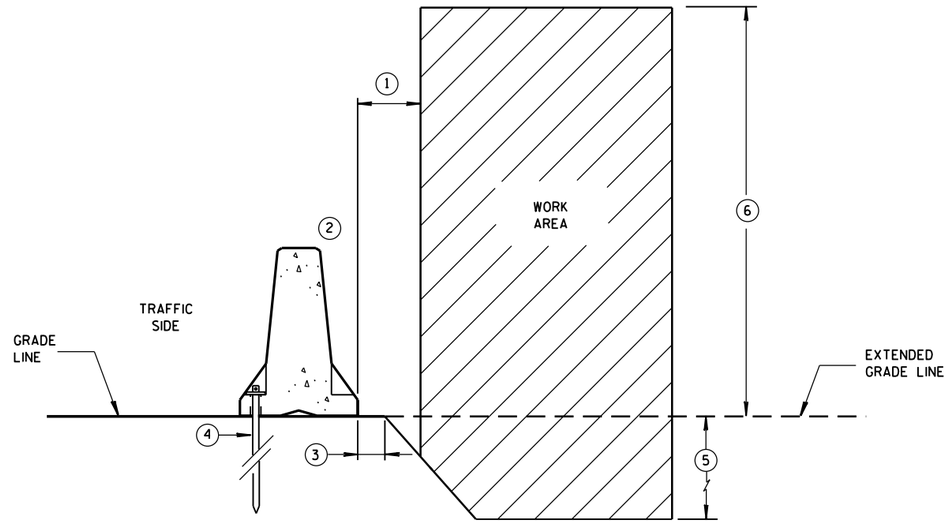
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



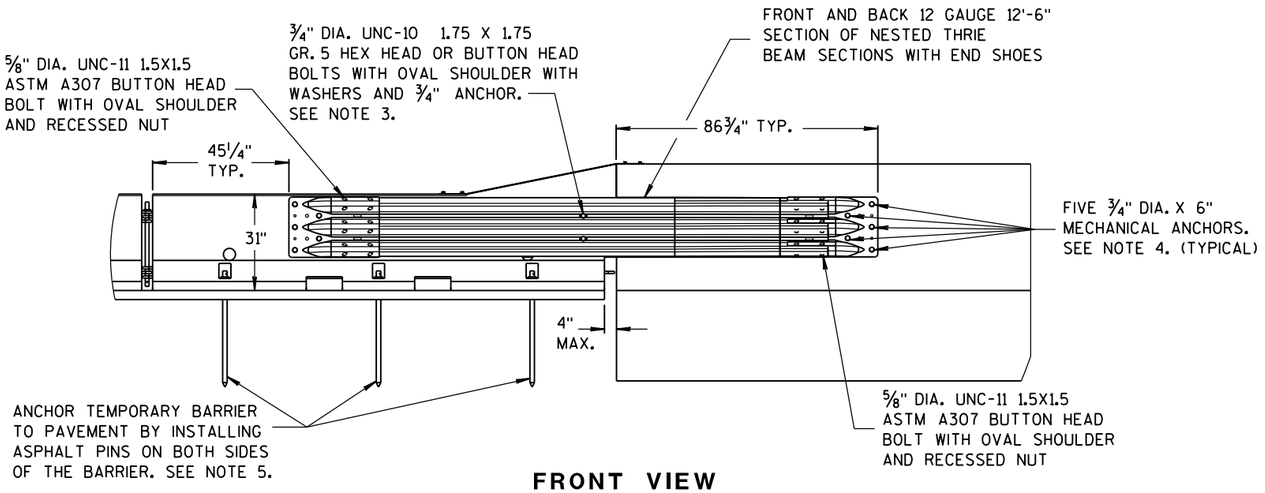
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

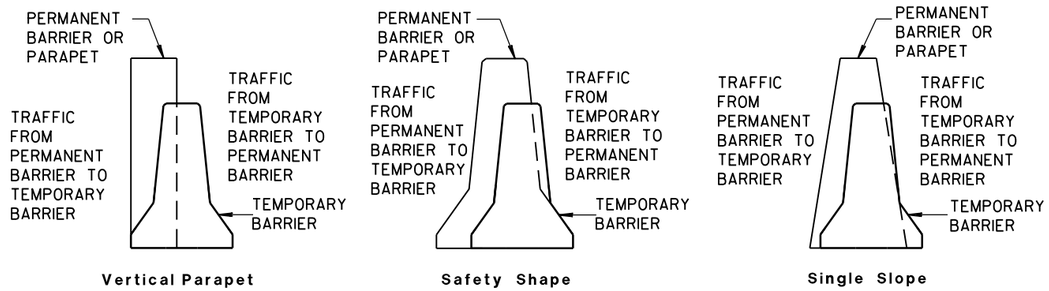
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15e



FRONT VIEW

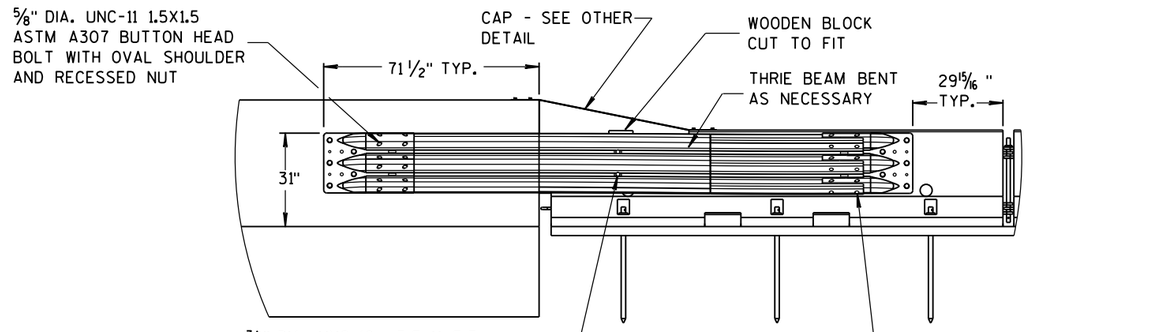


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

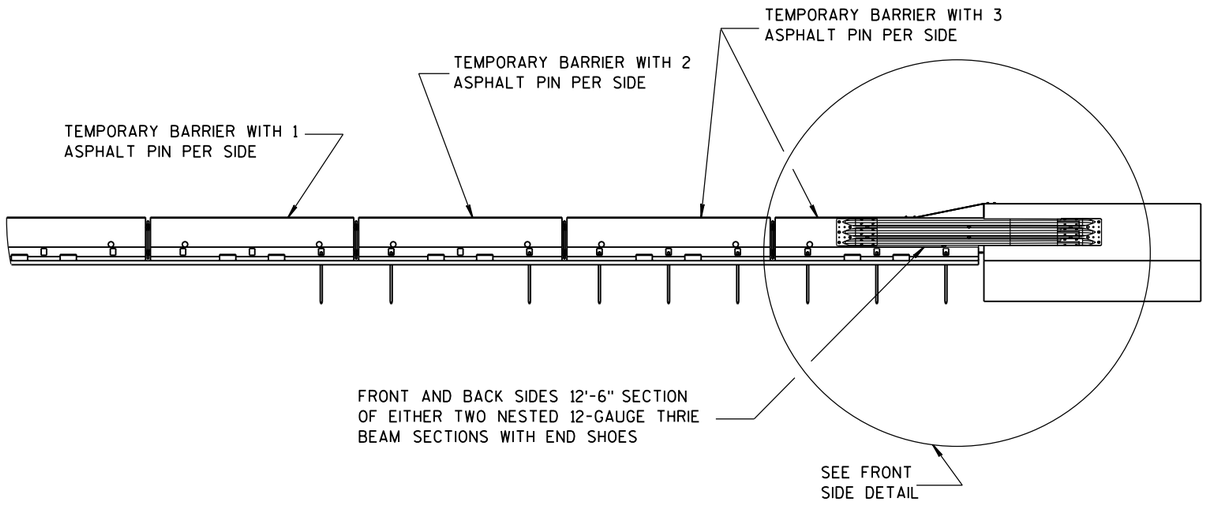
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

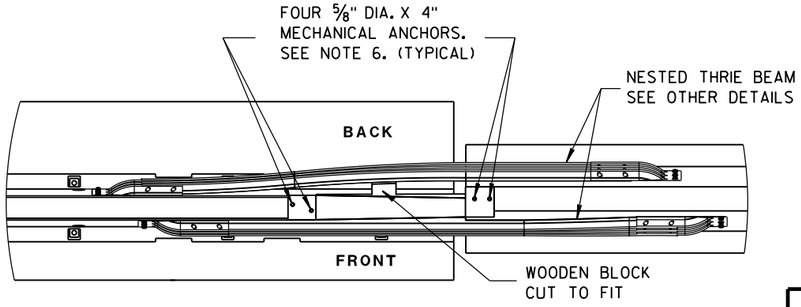
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



PLAN VIEW

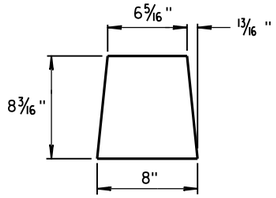
BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

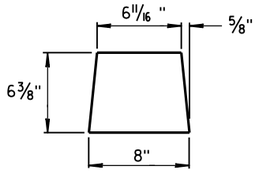
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

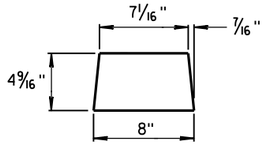
S.D.D. 14 B 7-15f



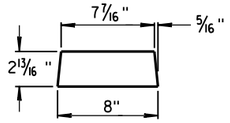
GUSSET 1



GUSSET 2

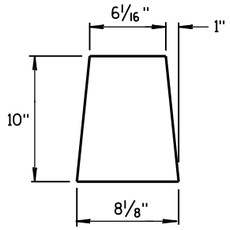


GUSSET 3

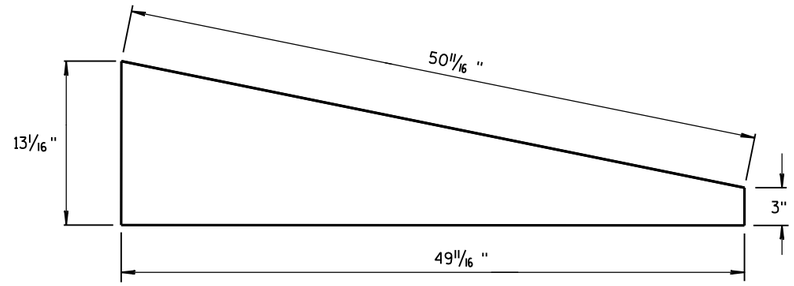


GUSSET 4

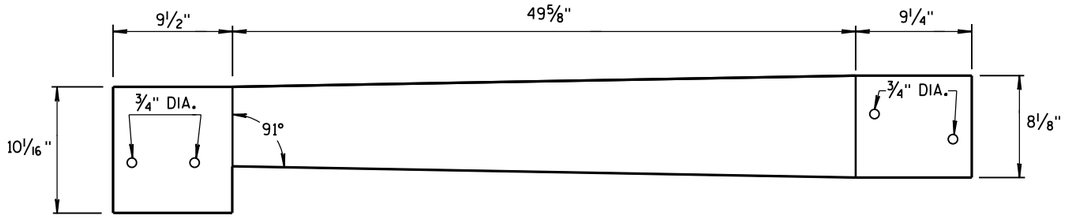
GUSSETS

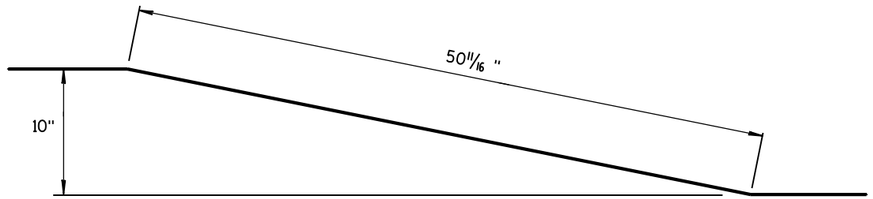


END PLATE



SIDE PLATE

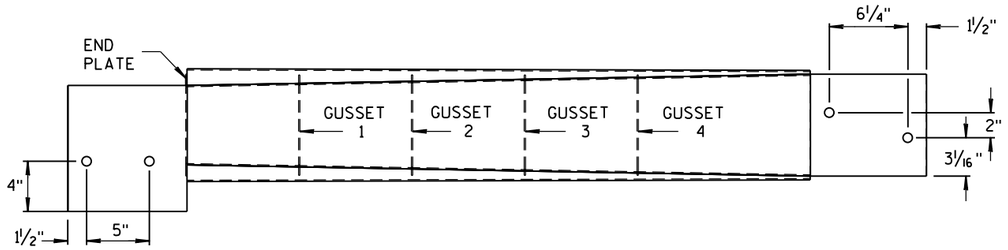


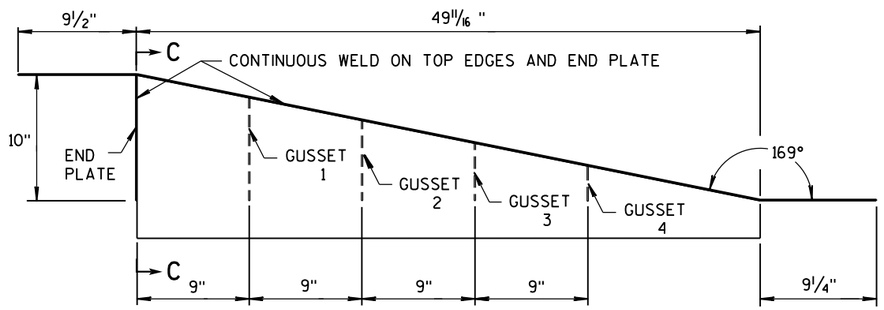


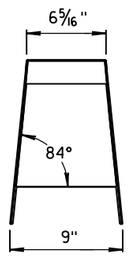
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

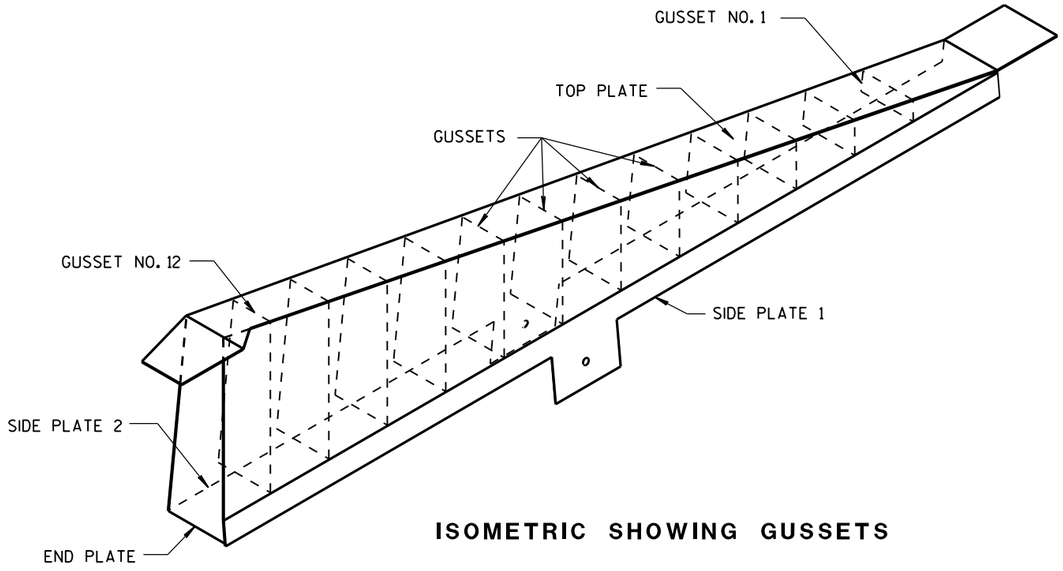
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

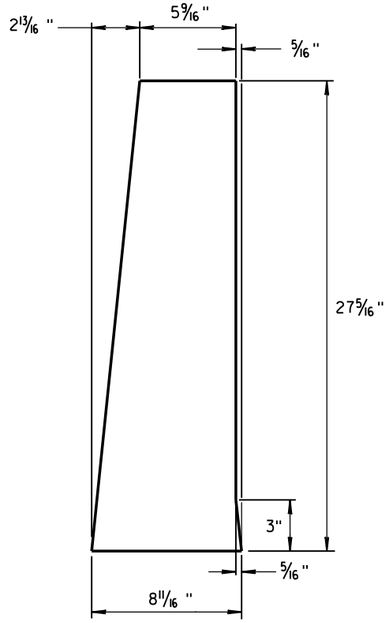
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

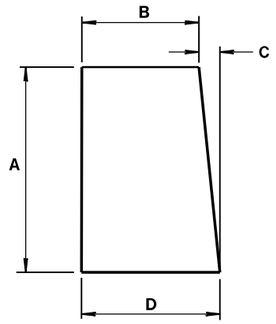


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



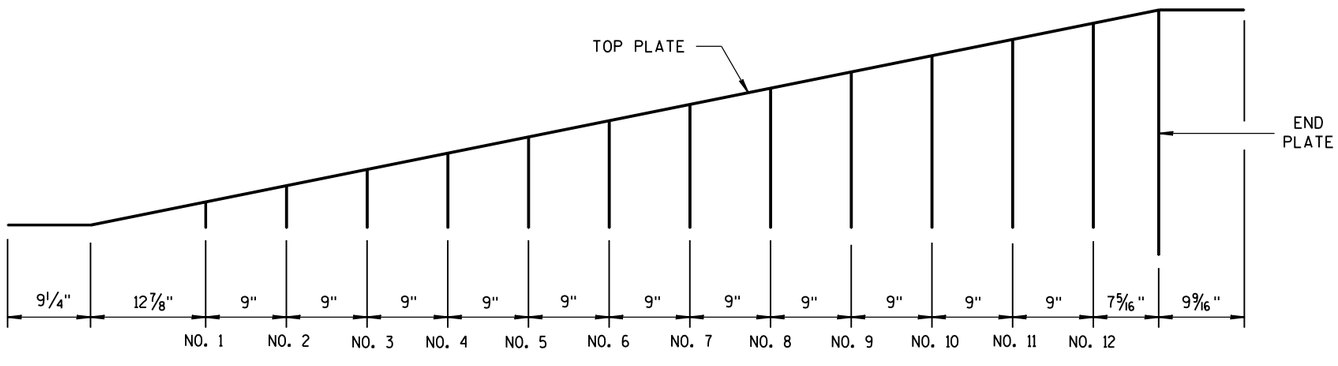
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



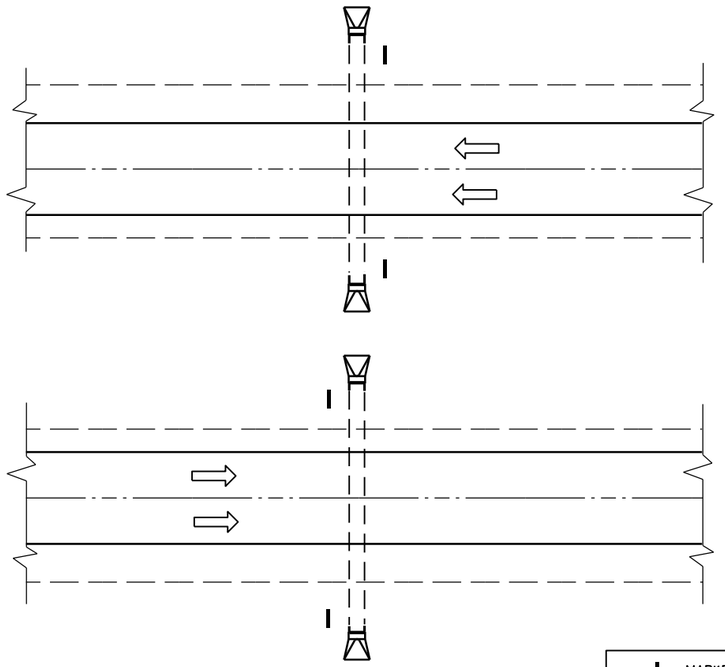
GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

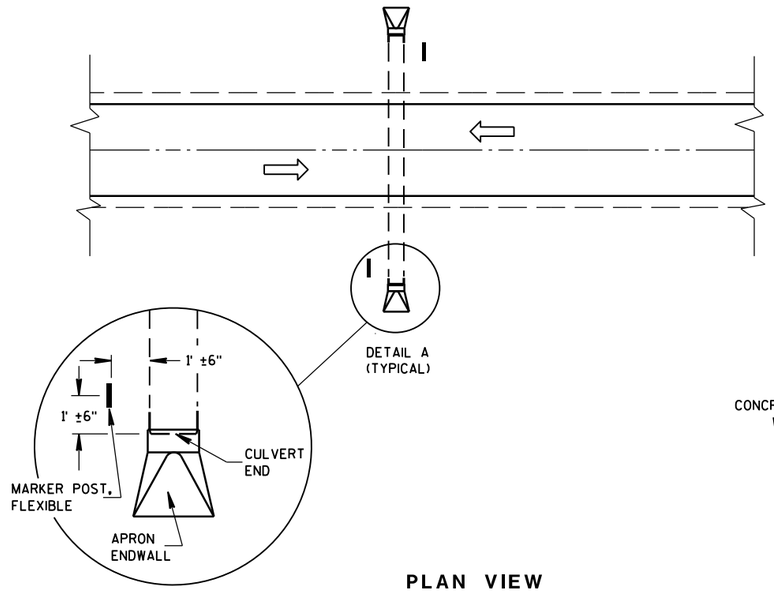
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15h



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

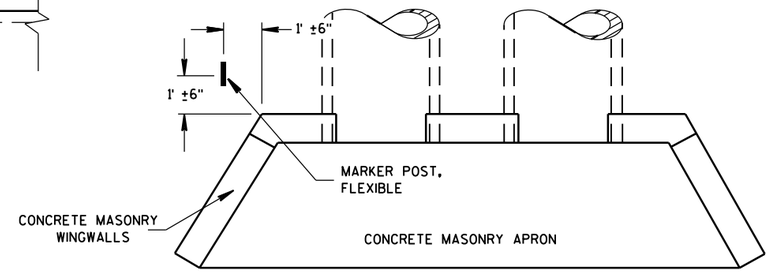
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

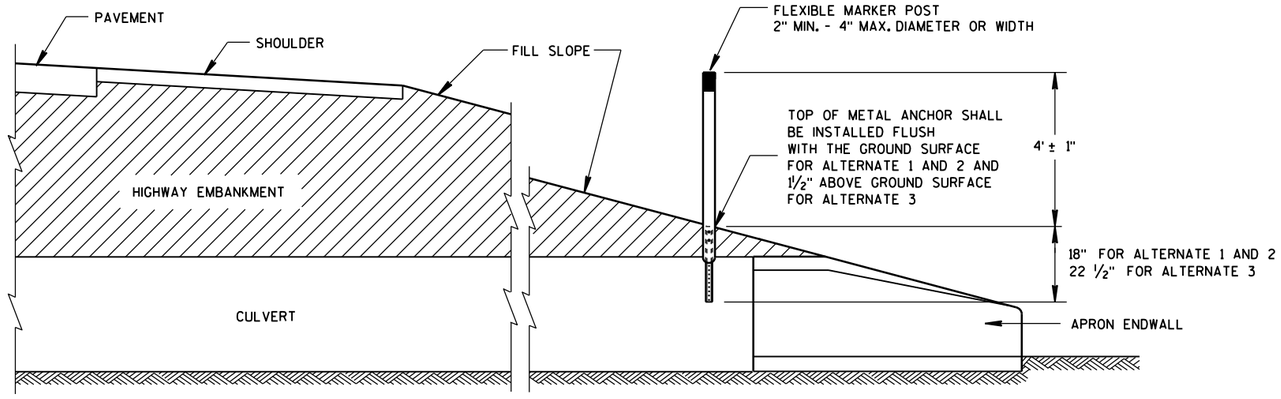
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

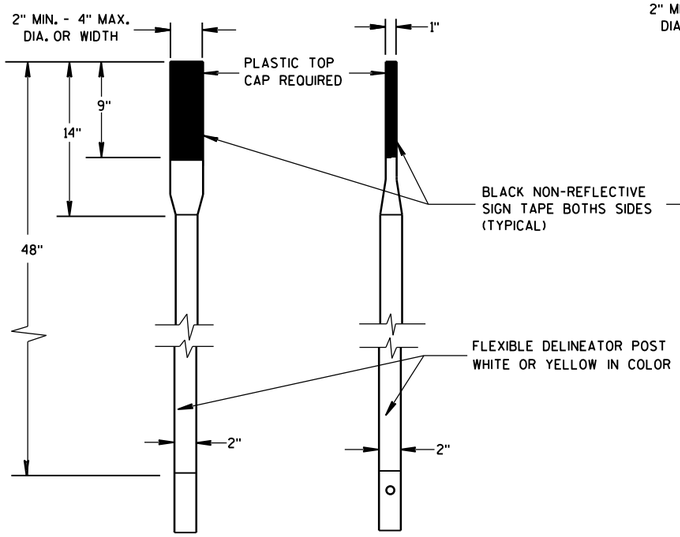
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

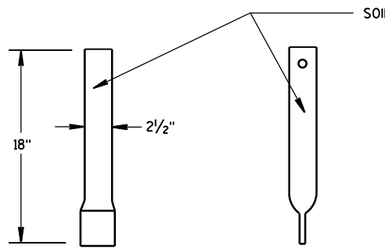
6

S.D.D. 15 A 3-2a

6

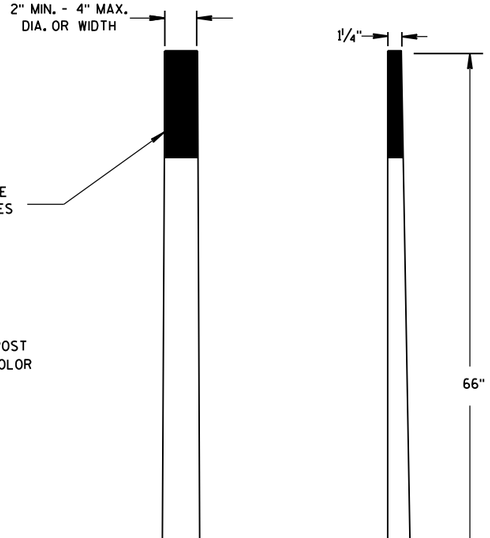
S.D.D. 15 A 3-2a





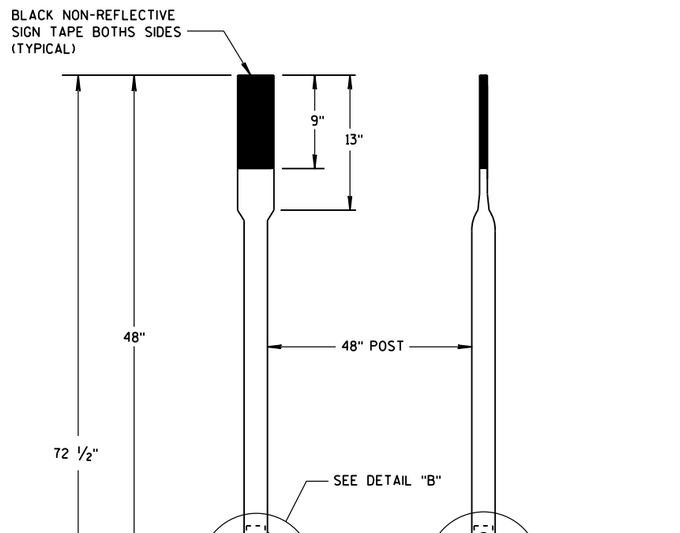
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

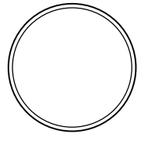
ALTERNATE 2



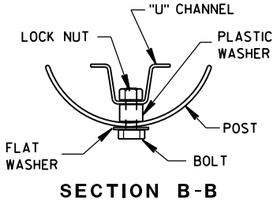
FRONT VIEW SIDE VIEW

ALTERNATE 3

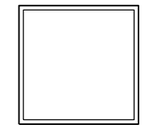
FLEXIBLE MARKER POSTS



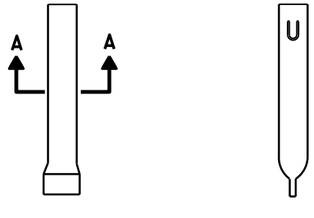
SECTION A-A



SECTION B-B

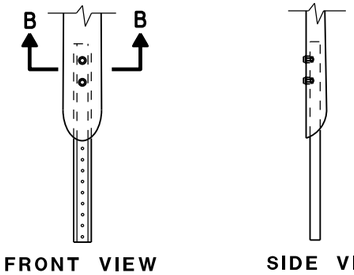


SECTION C-C



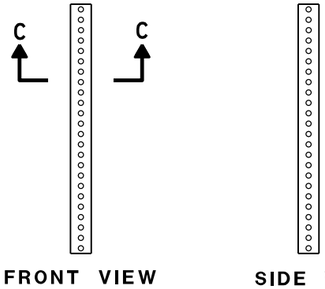
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

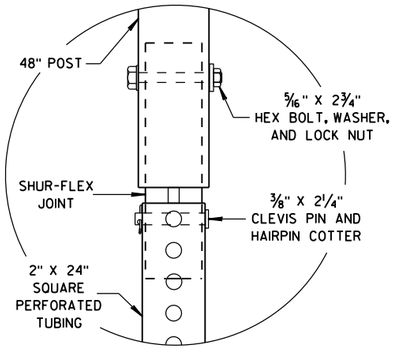
ALTERNATE 2



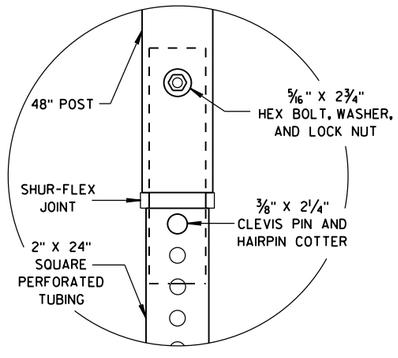
FRONT VIEW SIDE VIEW

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

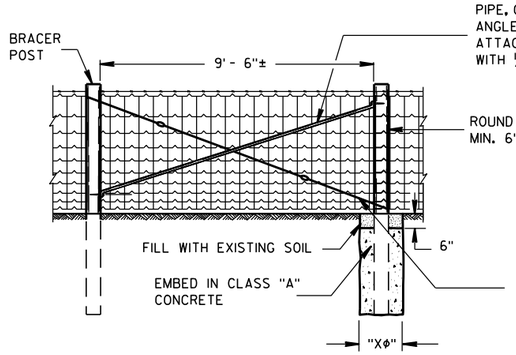
S.D.D. 15 A 3-2b

6

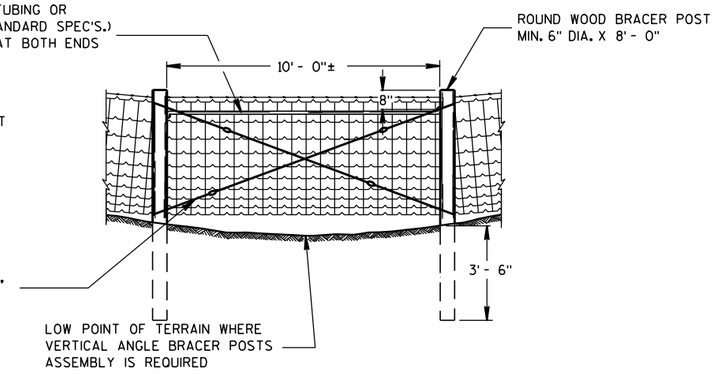
S.D.D. 15 A 3-2b

NOTE: PULL OR STRETCHER POST ASSEMBLIES SHALL BE PLACED MIDWAY BETWEEN END POSTS AND CORNER POSTS WHERE A RUN OF FENCE EXCEEDS 660' BUT IS LESS THAN 1,320'. FOR RUNS OF FENCE IN EXCESS OF 1,320' MAXIMUM SPACING OF PULL OR STRETCHER POST ASSEMBLIES SHALL BE 660'± C-C.

ILLUSTRATION SHOWS POSITION OF STANDARD STEEL BRACE, DOUBLE STRAND GALVANIZED WIRE, AND THE POST TO BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM LEFT TO RIGHT. THE BRACES SHALL BE POSITIONED ON THE OPPOSITE DIAGONALS AND THE OPPOSITE POST SHALL BE EMBEDDED IN CONCRETE WHEN WIRE FENCE IS INSTALLED FROM RIGHT TO LEFT.



PULL OR STRETCHER POSTS ASSEMBLY



VERTICAL ANGLE BRACER POSTS ASSEMBLY

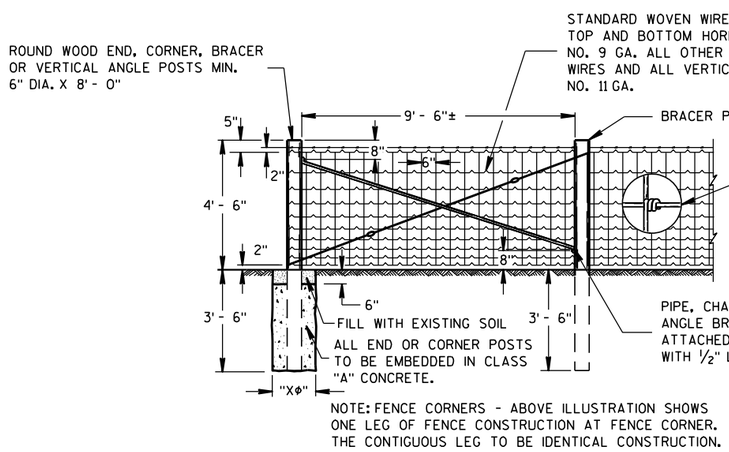
GENERAL NOTES

"XΦ" = DIAMETER OF THE POST PLUS 12".

FENCE STAPLES SHOULD NEVER BE DRIVEN VERTICALLY INTO WOOD POSTS (WITH BOTH LEGS PARALLEL WITH THE WOOD GRAIN). DOING SO CAN SEPARATE THE GRAIN AND SIGNIFICANTLY REDUCE THE HOLDING POWER. ROTATING THE STAPLES SLIGHTLY OFF VERTICAL STRADDLES THE GRAIN AND PROVIDES MORE RESISTANCE TO PULL-OUT.

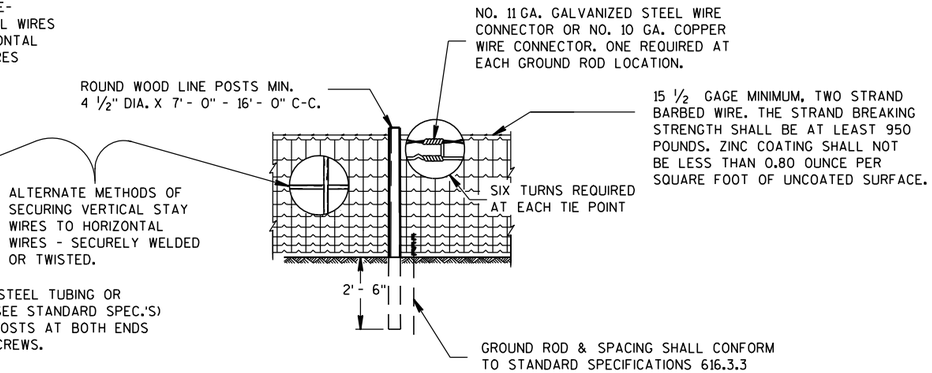
DO NOT STAPLE WIRE TIGHT TO THE LINE POSTS. ALLOW MOVEMENT OF WIRE FOR EXPANSION AND CONTRACTION. STAPLE ARRANGEMENT SHALL BE THE SAME FOR ALL OTHER POSTS EXCEPT THAT THEY SHALL BE DRIVEN TIGHT TO POSTS. ALL STAPLES SHALL BE 2" X 9 GAGE AND SHALL BE MANUFACTURED FROM GALVANIZED WIRE OR HOT DIP GALVANIZED AFTER FORMING. STAPLES SHALL HAVE SLASH-CUT POINTS.

FENCE SHALL BE LOCATED 3'-0" INSIDE THE RIGHT OF WAY LINE UNLESS OTHERWISE INDICATED ON THE PLANS.



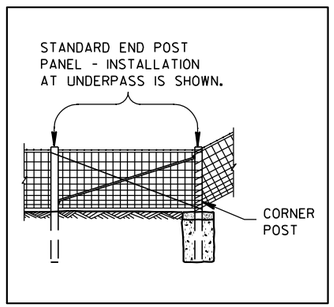
NOTE: FENCE CORNERS - ABOVE ILLUSTRATION SHOWS ONE LEG OF FENCE CONSTRUCTION AT FENCE CORNER. THE CONTIGUOUS LEG TO BE IDENTICAL CONSTRUCTION.

END OR CORNER POSTS ASSEMBLY

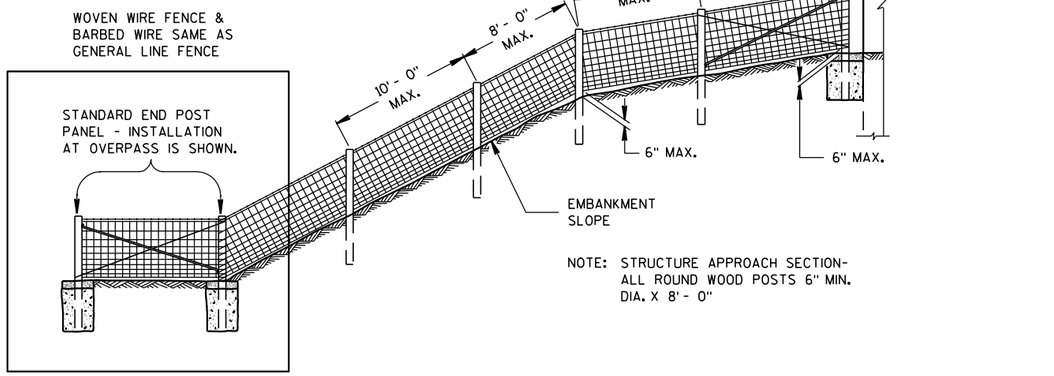


LINE FENCE CONSTRUCTION

GENERAL ROADSIDE VIEW OF WOVEN WIRE FENCE



ALTERNATE FENCE DESIGN AT STRUCTURE



NOTE: STRUCTURE APPROACH SECTION- ALL ROUND WOOD POSTS 6" MIN. DIA. X 8' - 0"

FENCE DESIGN AT STRUCTURE APPROACH

FENCE WOVEN WIRE

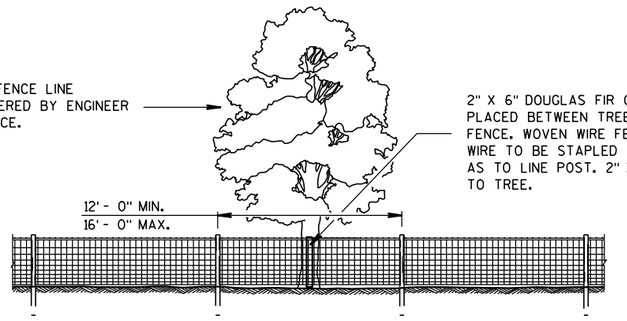
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

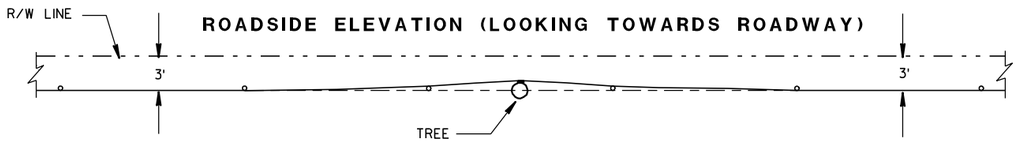
S.D.D. 15 B 1-8a

NOTE: TREE IN NORMAL FENCE LINE SPECIFICALLY ORDERED BY ENGINEER TO REMAIN IN PLACE.

2" X 6" DOUGLAS FIR OR SO. YELLOW PINE PLACED BETWEEN TREE AND WOVEN WIRE FENCE. WOVEN WIRE FENCE AND BARBED WIRE TO BE STAPLED TO 2" X 6" LIKE AS TO LINE POST. 2" X 6" NOT FASTENED TO TREE.

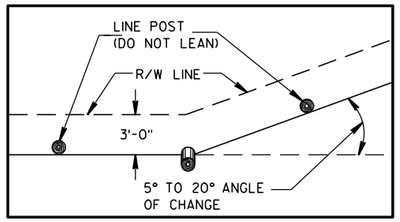


ROADSIDE ELEVATION (LOOKING TOWARDS ROADWAY)

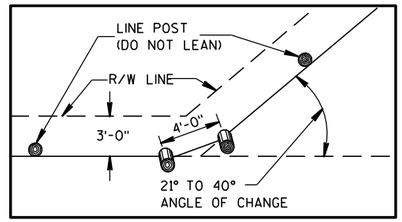


PLAN VIEW

FENCE DESIGN AT TREES REMAINING IN NORMAL FENCE LINE



PLAN VIEW
SINGLE POST CORNER

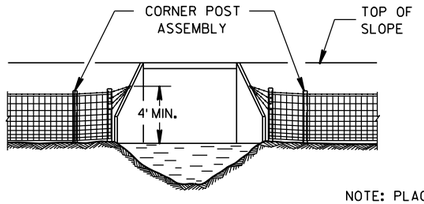


PLAN VIEW
DOUBLE POST CORNER

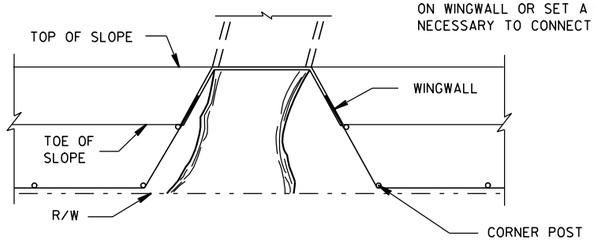
RIGHT OF WAY LINE CHANGE 40° AND LESS

NOTE: SINGLE AND DOUBLE POSTS SHALL BE A MIN. 6" DIA. X 8'-0" WITH A LEAN OF 4" TOWARD THE OUTSIDE OF THE CURVE.

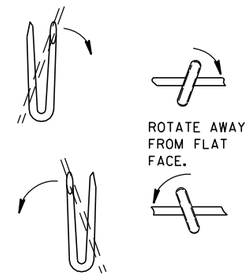
WHEN THE RIGHT OF WAY LINE CHANGE IS MORE THAN 40° USE THE CORNER OR STRETCHER POSTS ASSEMBLY.



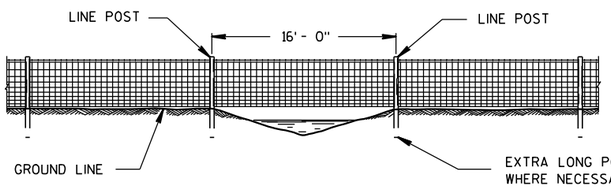
NOTE: PLACE A MINIMUM OF 4 STRANDS OF BARBED WIRE, 6" MAXIMUM CENTERS IN FAN SHAPE CONNECTED TO AN EYE BOLT ON WINGWALL OR SET A LONE POST WHEN NECESSARY TO CONNECT BARBED WIRE.



FENCE INSTALLATION TO WINGWALLS

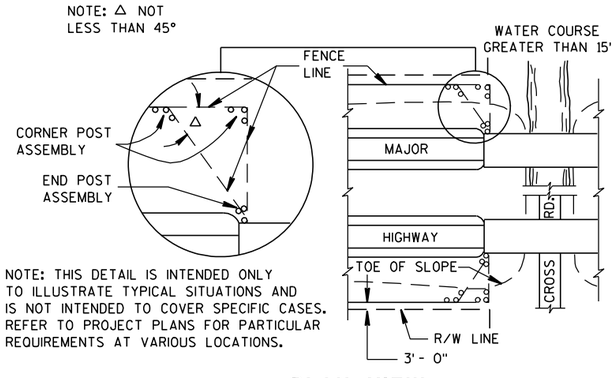


LINE POST



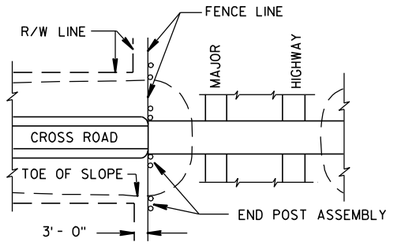
FENCE CONSTRUCTION OVER STREAM COURSES OF 15 FT. OR LESS IN WIDTH

NOTE: △ NOT LESS THAN 45°



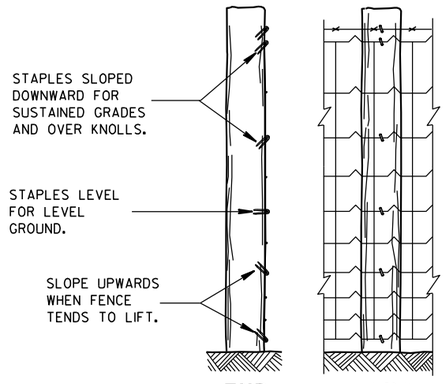
NOTE: THIS DETAIL IS INTENDED ONLY TO ILLUSTRATE TYPICAL SITUATIONS AND IS NOT INTENDED TO COVER SPECIFIC CASES. REFER TO PROJECT PLANS FOR PARTICULAR REQUIREMENTS AT VARIOUS LOCATIONS.

PLAN VIEW
MAJOR HIGHWAY OVERPASS OR STREAM COURSE CROSSING OF GREATER THAN 15 FT. IN WIDTH



PLAN VIEW
MAJOR HIGHWAY UNDERPASS

NOTE: WHEN POSTS ARE DRIVEN THE SMALL END SHALL BE DOWN.



END ELEVATION

FARM SIDE ELEVATION

FENCE MOUNTING DETAIL

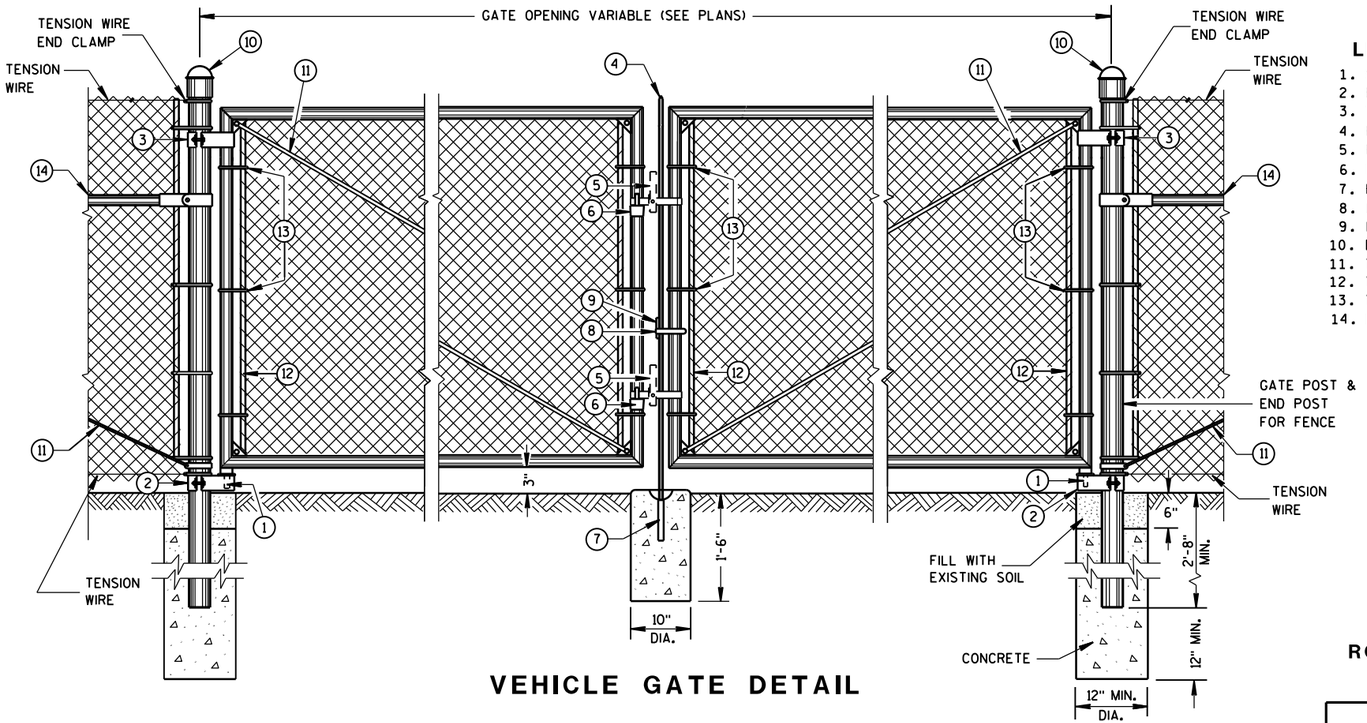
FENCE LOCATION AT STRUCTURES

FENCE WOVEN WIRE

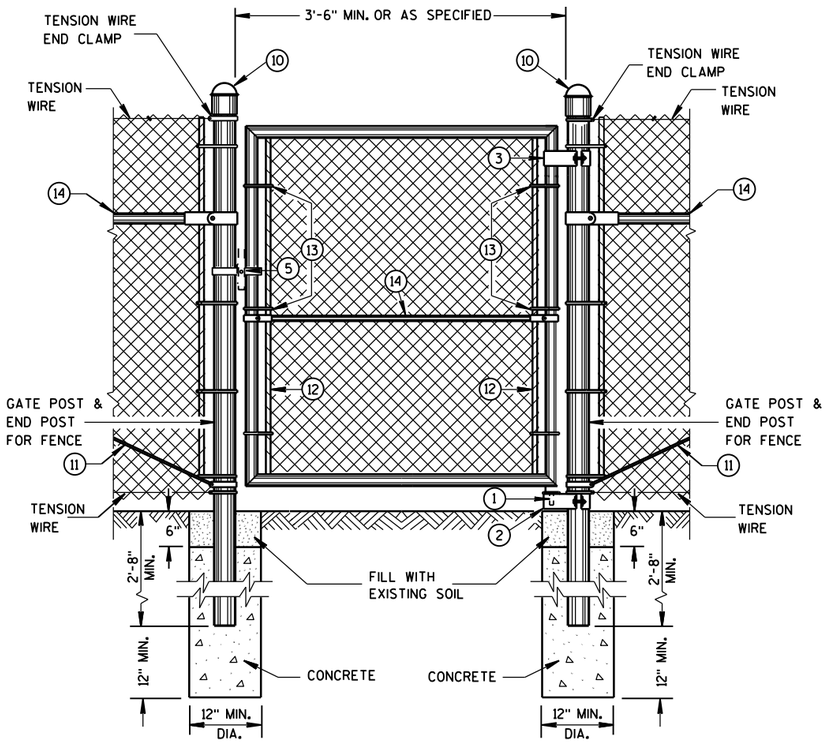
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/4/2008
DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS [illegible]438 [illegible]ENT
ENGINEER
FHWA

6
S.D.D. 15 B 1-8b



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.

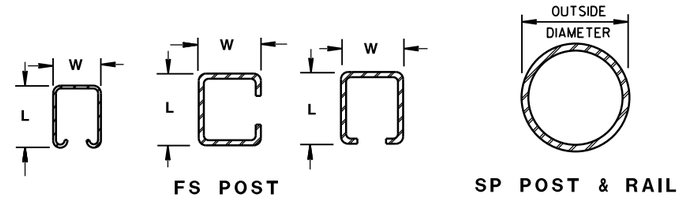
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

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.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



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

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

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

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

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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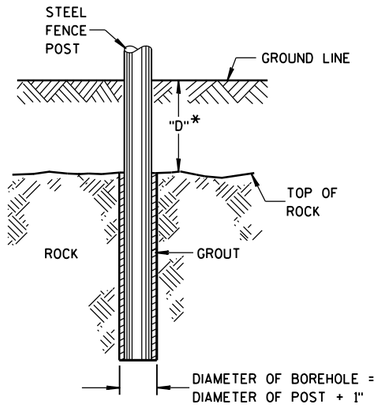
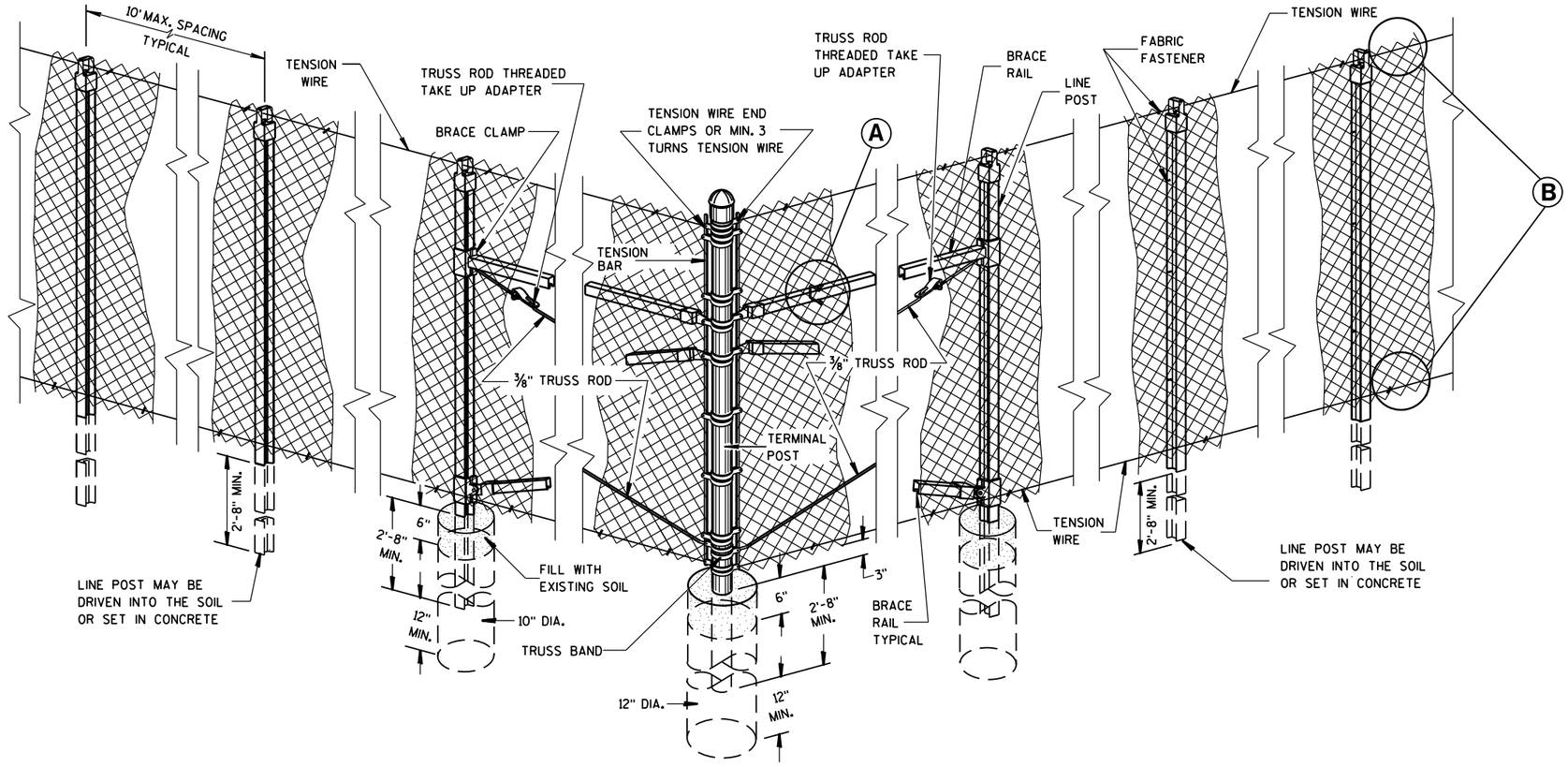
S.D.D. 15 B 3-15a

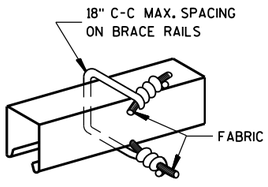


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



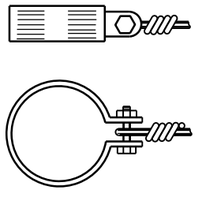
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



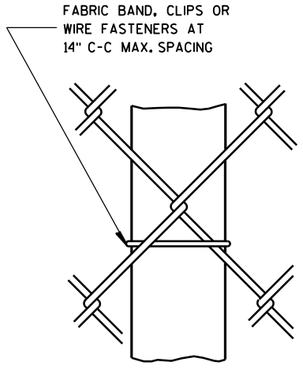
BRACE RAIL

FABRIC FASTENER

Ⓐ



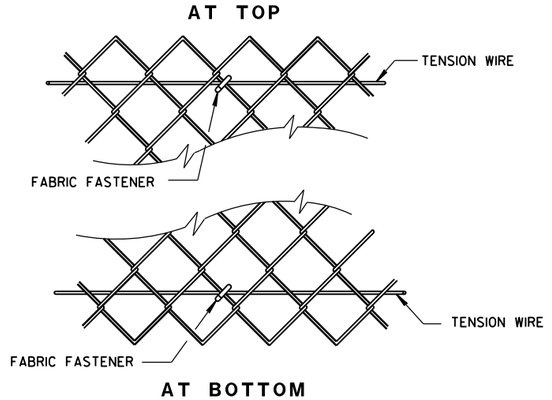
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 15 B 3-15b

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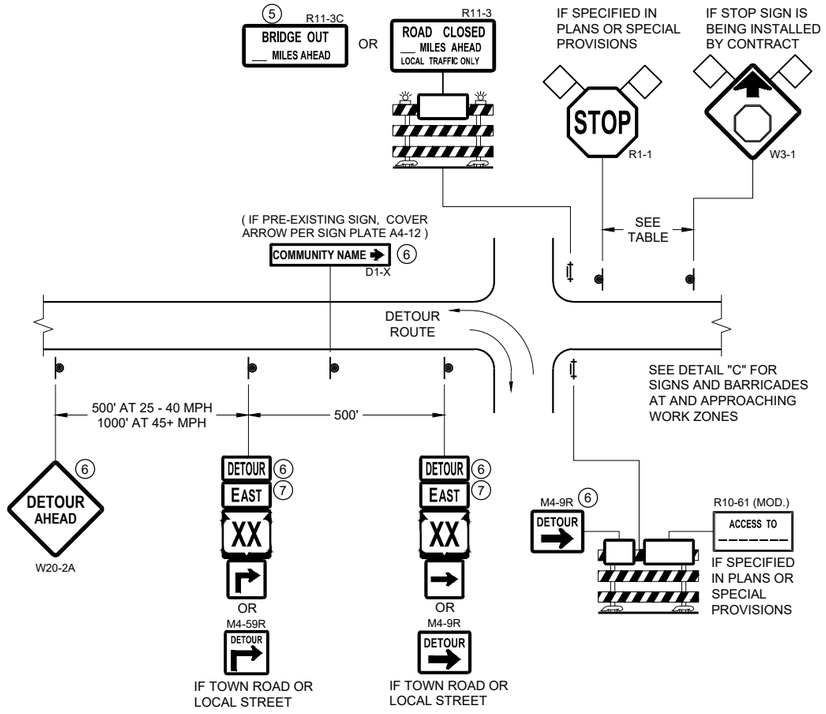
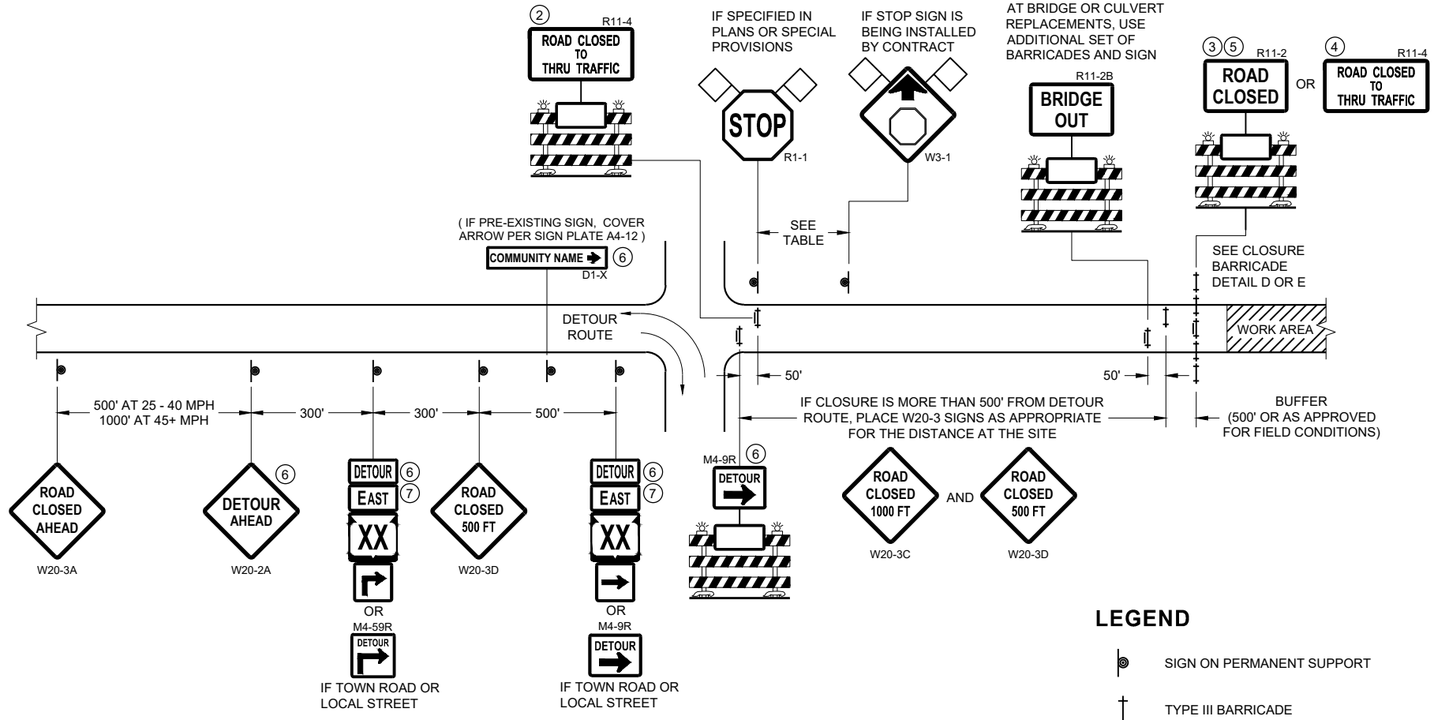
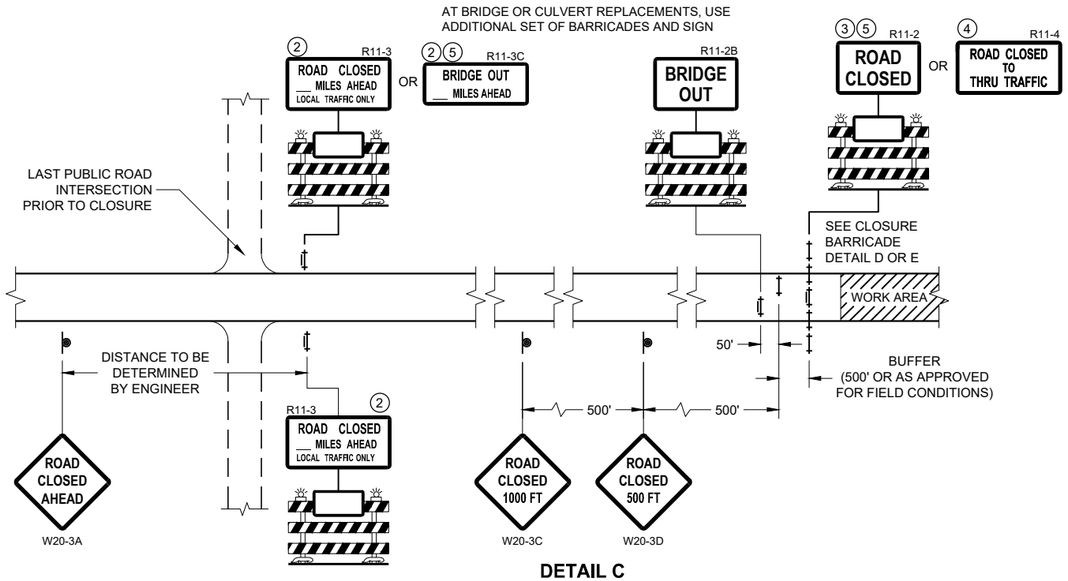
S.D.D. 15 B 3-15b





DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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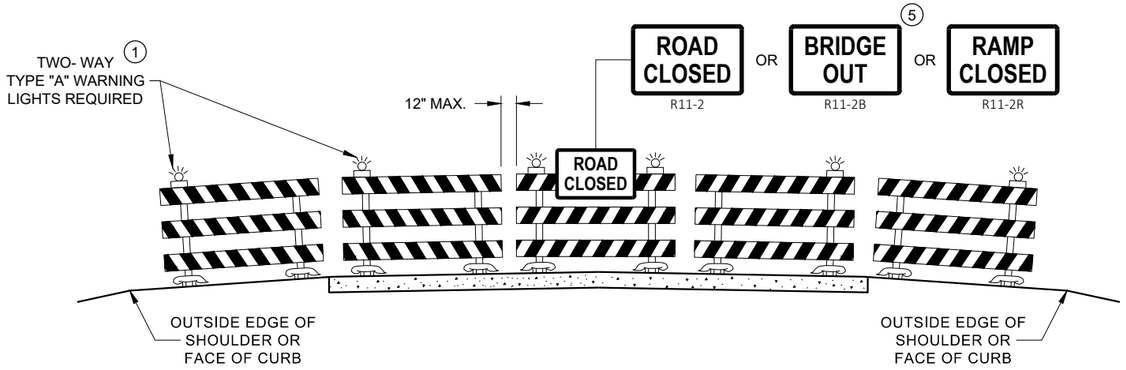
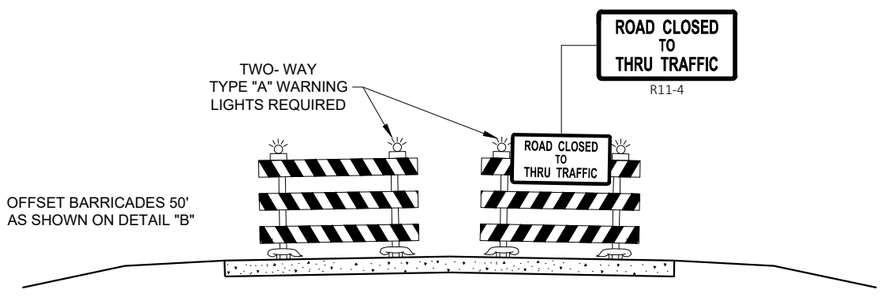
SDD 15C02 - 07a

SDD 15C02 - 07a



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 THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL 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 SHALL, 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" (36" X 18" 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)
- MO5 - 1 AND MO6 - 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 AN 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 ROAD 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 VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 07b

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SDD 15C02 - 07b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

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" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" 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 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A 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.

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

500' AT 25-40 MPH
1000' AT 45+ MPH

500'

DETOUR EAST XX *
D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-8a END DETOUR WEST XX *

DETOUR EAST XX / WEST XX

DETOUR ROUTE

WORK AREA

DETOUR EAST XX

WEST XX OR M4-9L DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR NEXT X MILES * G20-51

DETOUR WEST XX * OR M4-59L DETOUR ** IF TOWN ROAD OR LOCAL STREET

MATCH POINT

** M4-59L DETOUR OR DETOUR EAST XX * IF TOWN ROAD OR LOCAL STREET

D1-X COMMUNITY NAME * (IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

** M4-9L DETOUR OR DETOUR EAST XX IF TOWN ROAD OR LOCAL STREET

500'

500' AT 25 - 40 MPH
1000' AT 45+ MPH

500'

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR WEST XX *

DETOUR WEST XX OR M4-9R DETOUR ** IF TOWN ROAD OR LOCAL STREET

DETOUR WEST XX * OR M4-59R * DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR ROUTE

500'

DETOUR EAST XX

DETOUR EAST XX

DETOUR EAST XX *

PLACE SIGNS BEYOND INTERSECTIONS WITH STATE OR COUNTY TRUNK HIGHWAYS OR AT 4 MILE MAXIMUM SPACING (4 BLOCKS IF URBAN AREA)

D1-X COMMUNITY NAME * (IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

500' AT 25 - 40 MPH
1000' AT 45+ MPH

DETOUR EAST XX *

EAST XX M3-X 24" X 12" M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 07c

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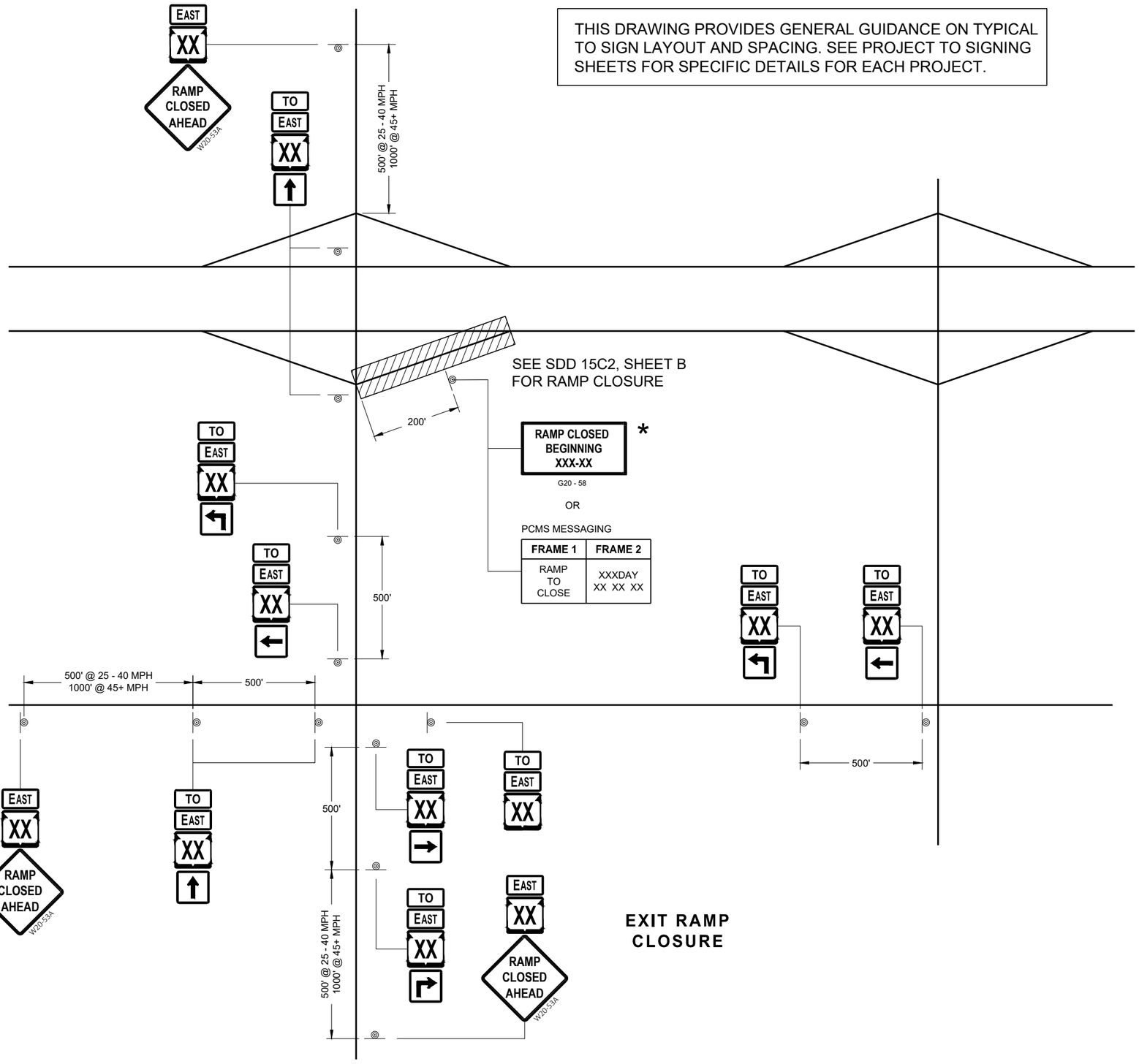

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. FOR LAYOU

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND TO 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 SHALL 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 FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES

ON RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEE

FHWA

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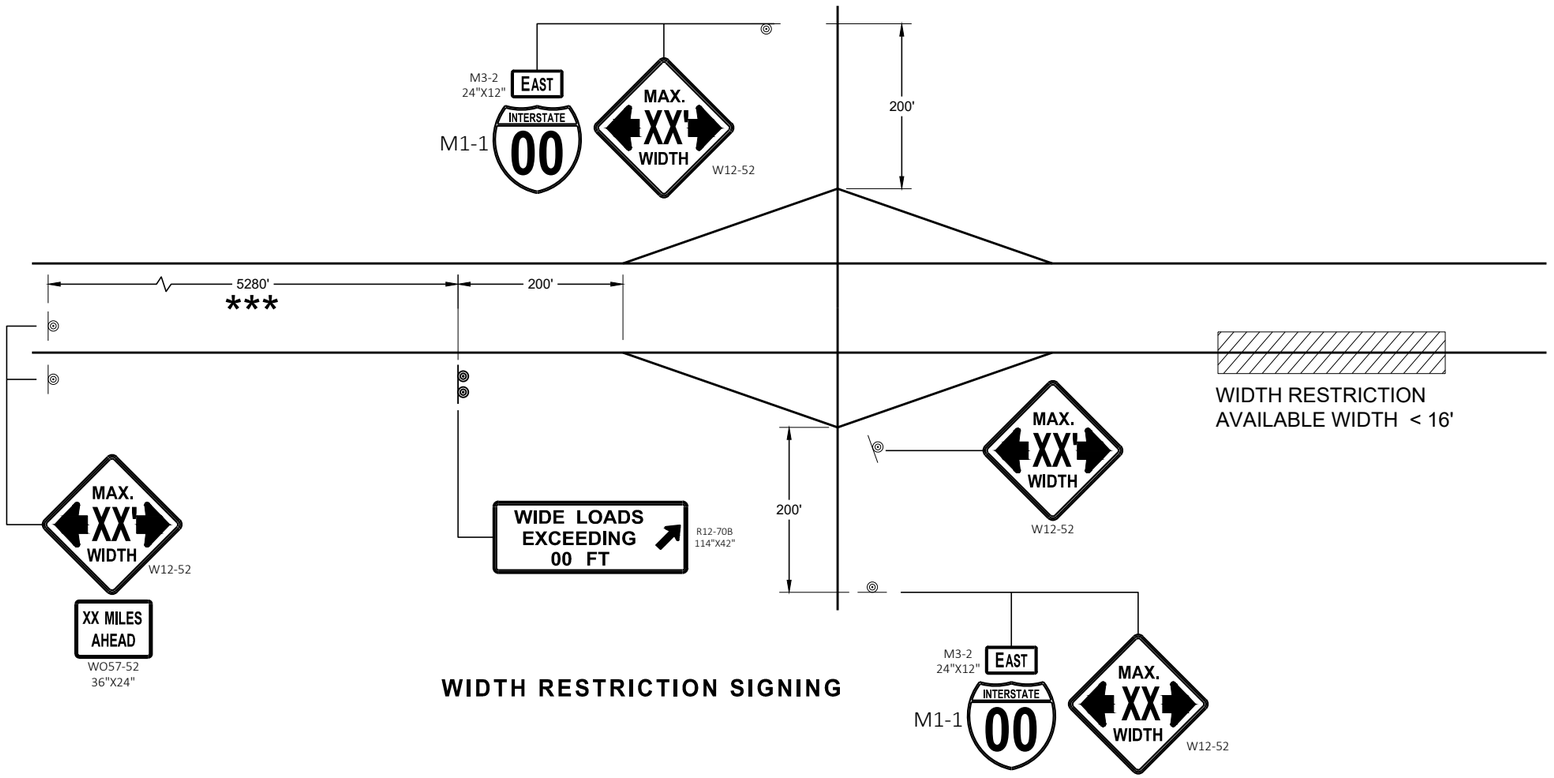
SDD 15C02 - 07d



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN 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.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

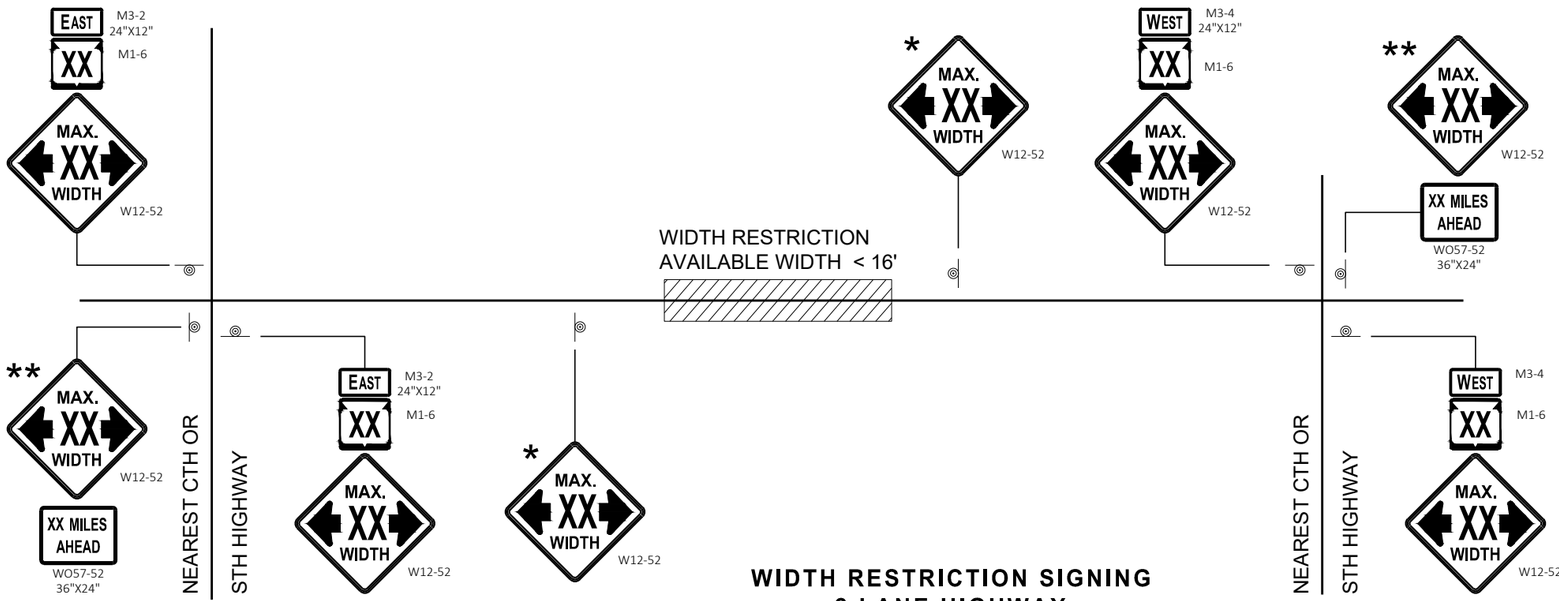
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 445

FHWA

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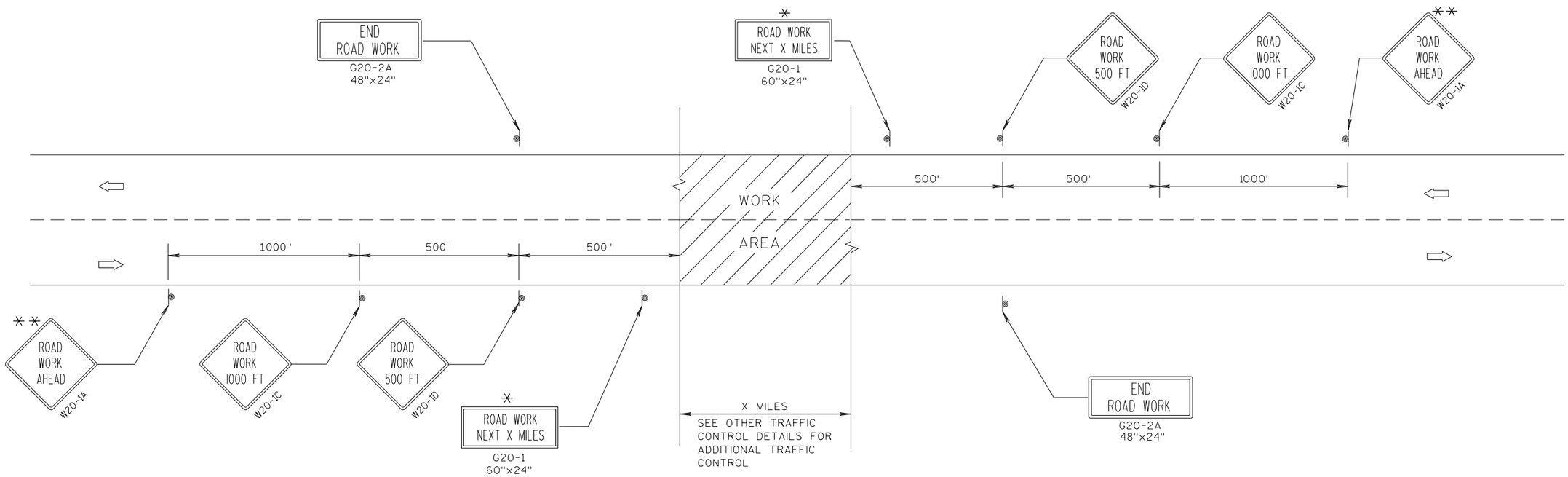
SDD 15C02 - 07f

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 MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

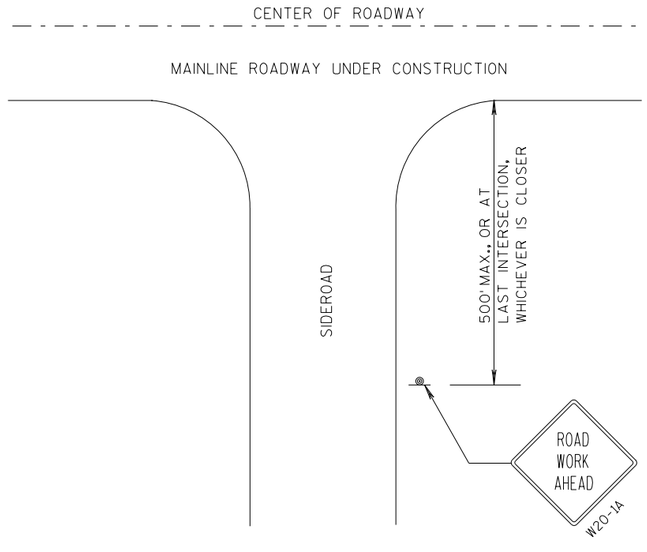
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

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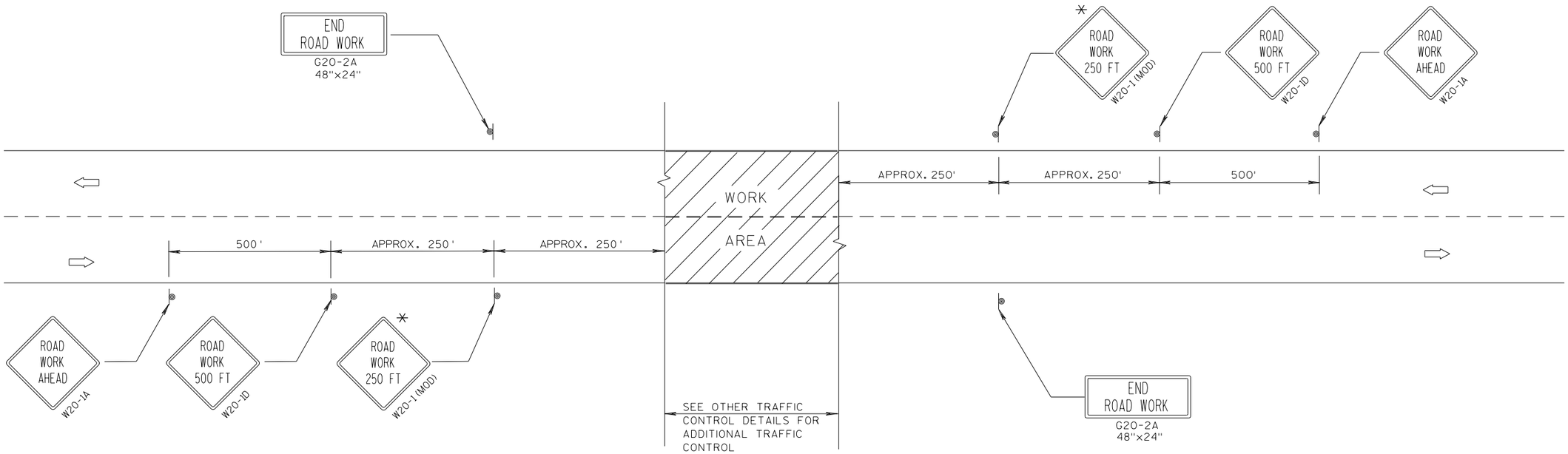
S.D.D. 15 C 4-5

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.

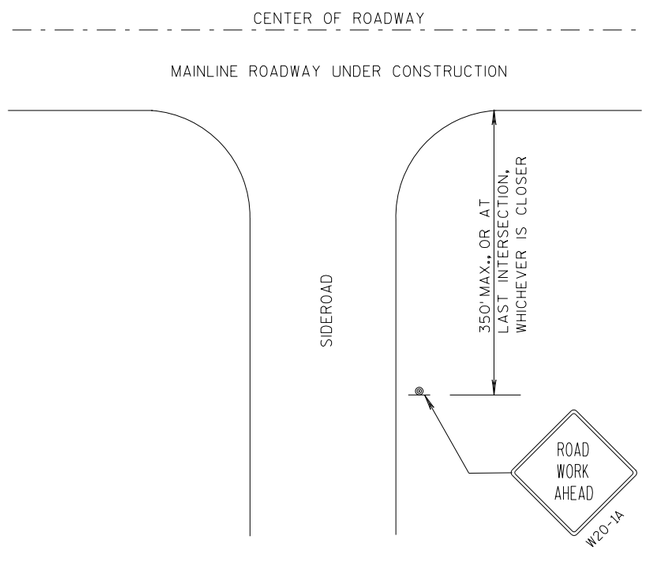
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENGI

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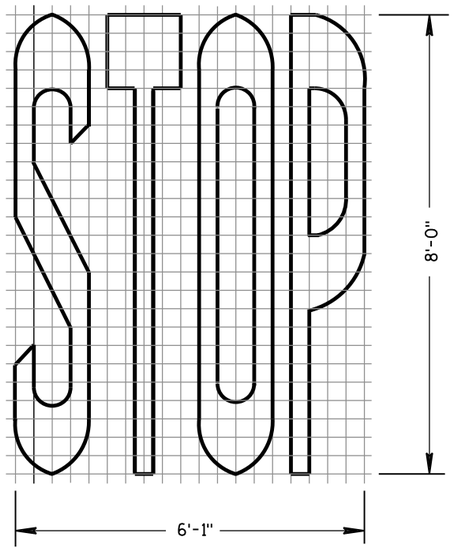
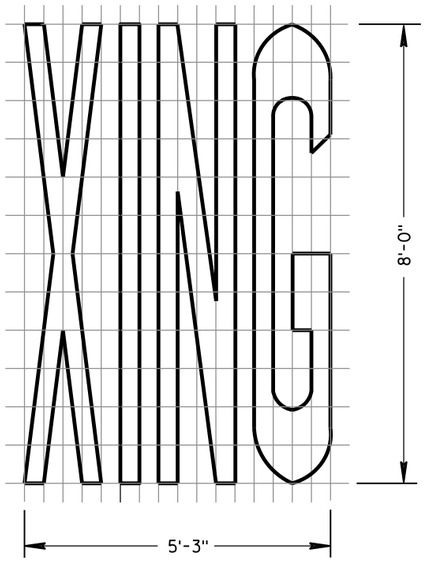
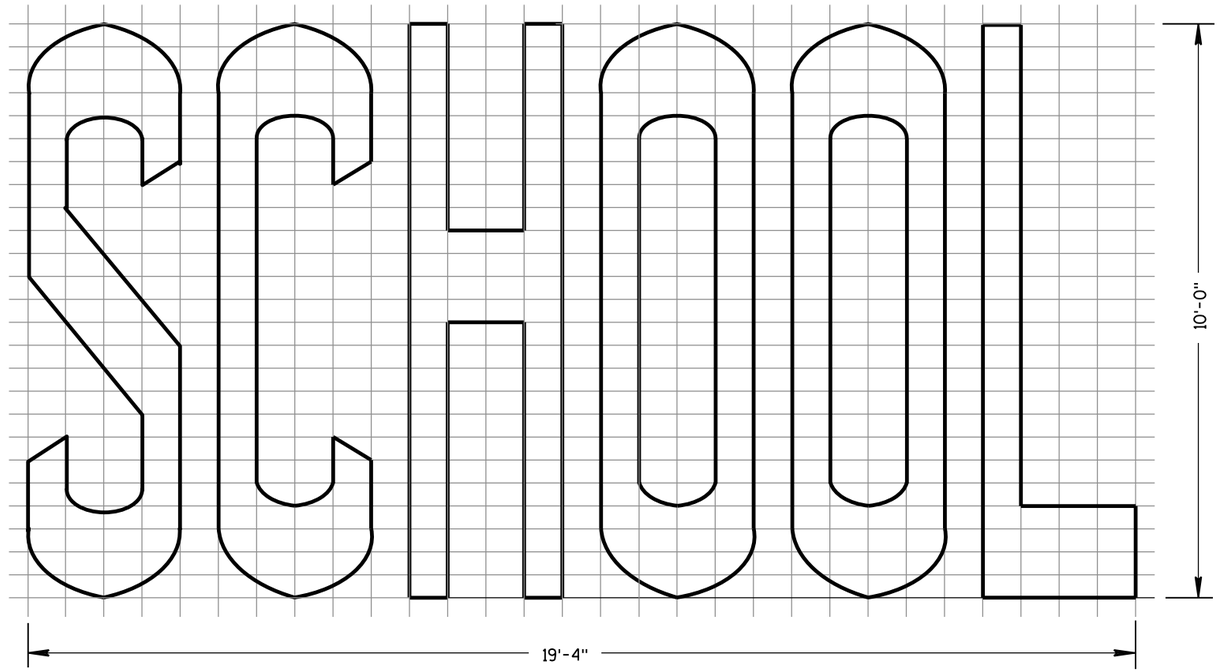
S.D.D. 15 C 5-5

GENERAL NOTES

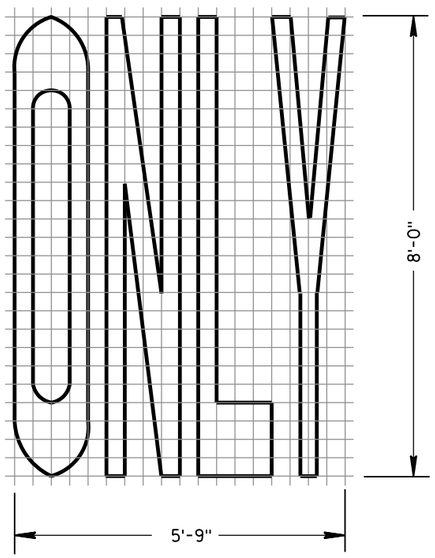
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

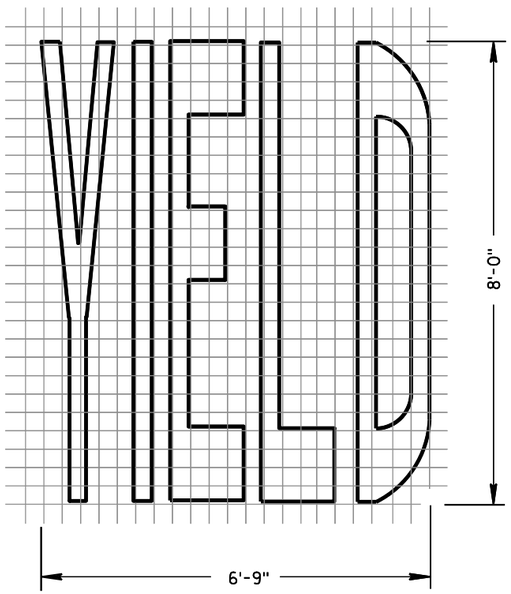


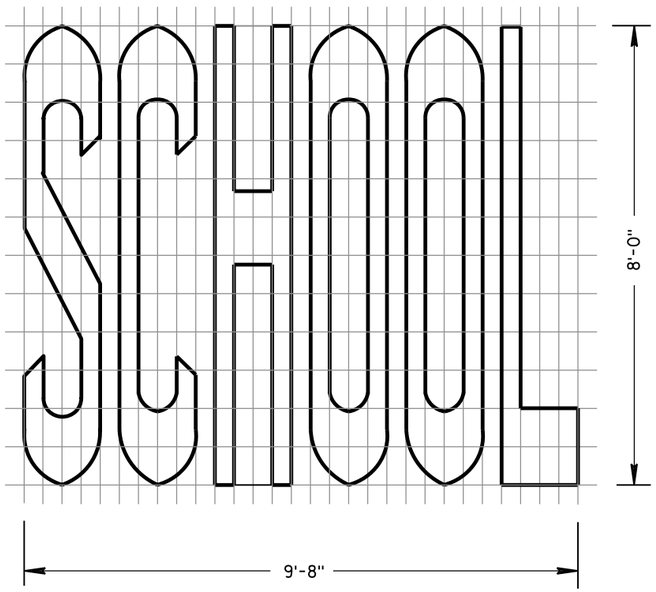




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
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S.D.D. 15 C 7-14b

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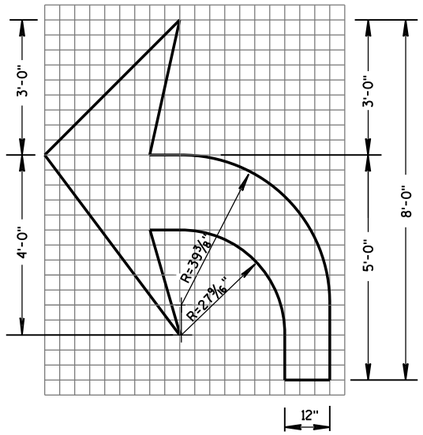
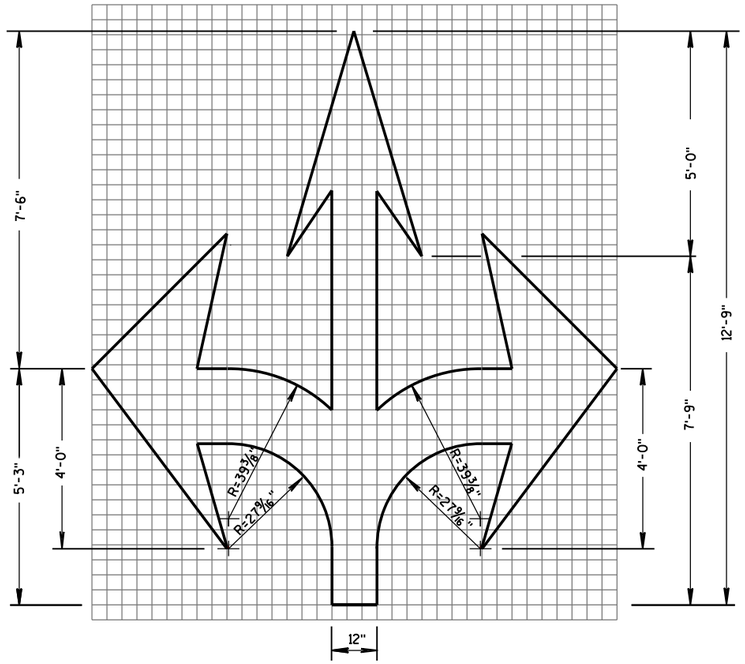
S.D.D. 15 C 7-14b

GENERAL NOTES

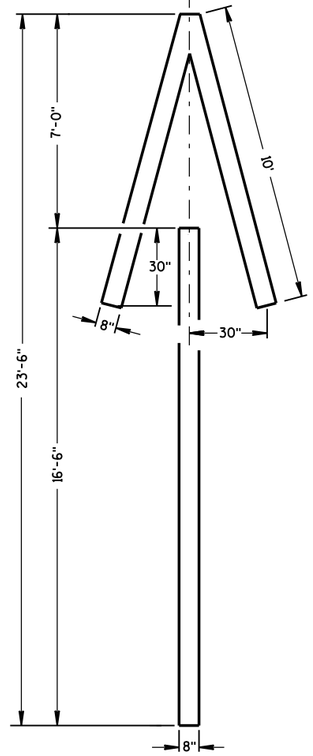
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



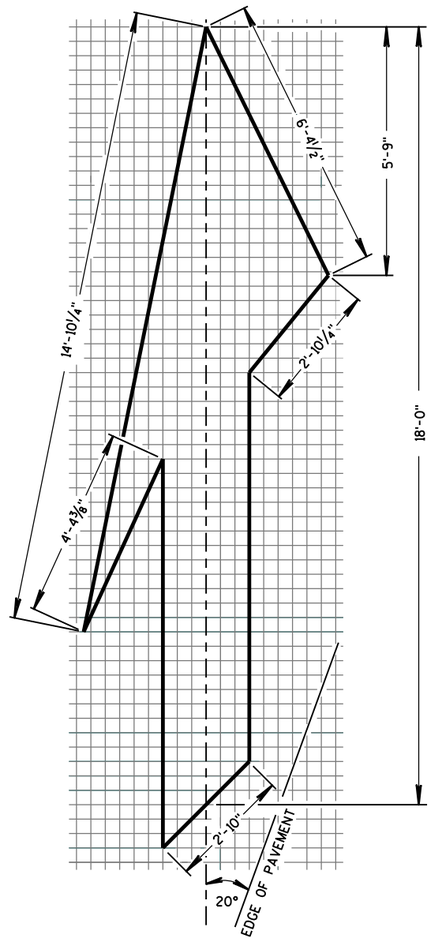
TYPE 2



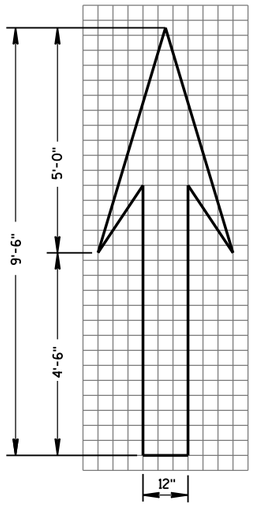
TYPE 6



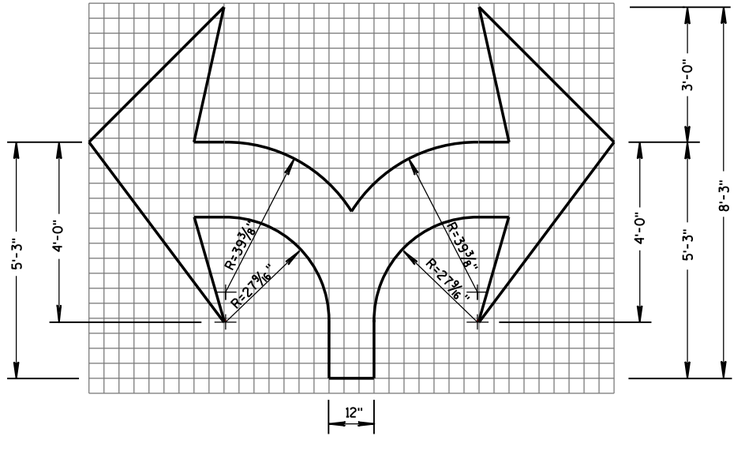
TYPE 4



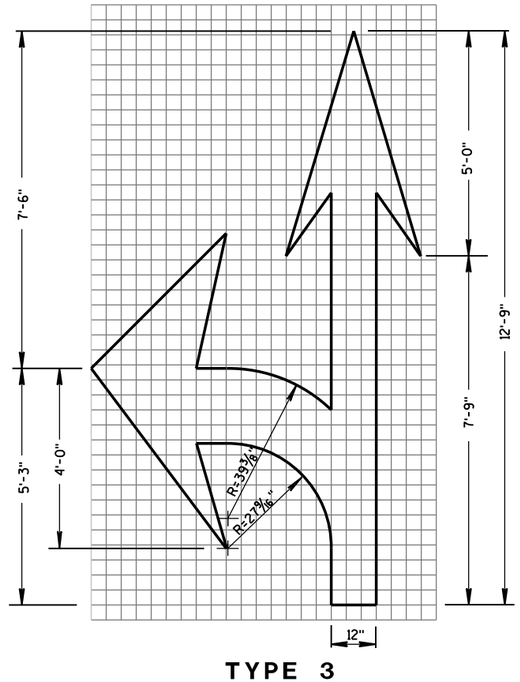
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

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DEPARTMENT OF TRANSPORTATION

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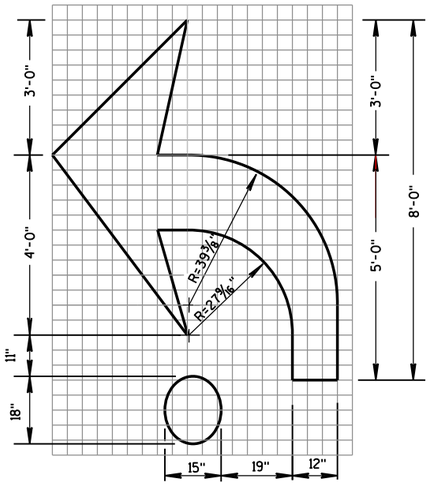
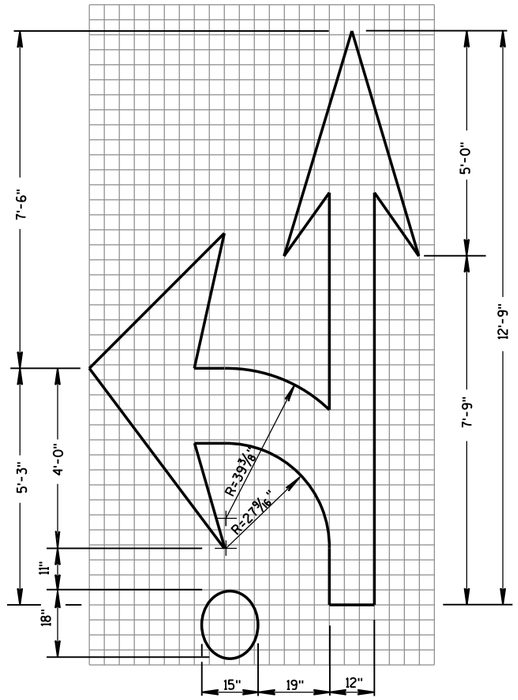
S.D.D. 15 C 7-14c

GENERAL NOTES

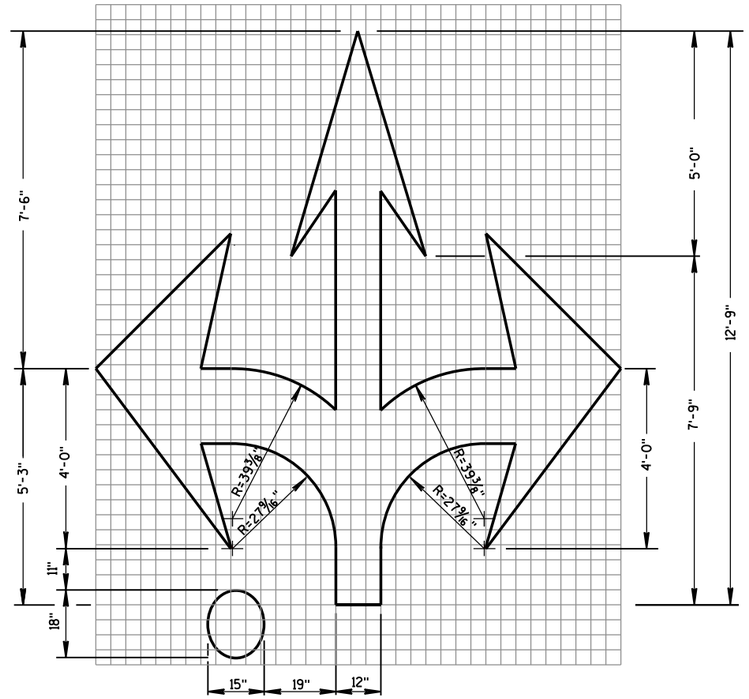
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



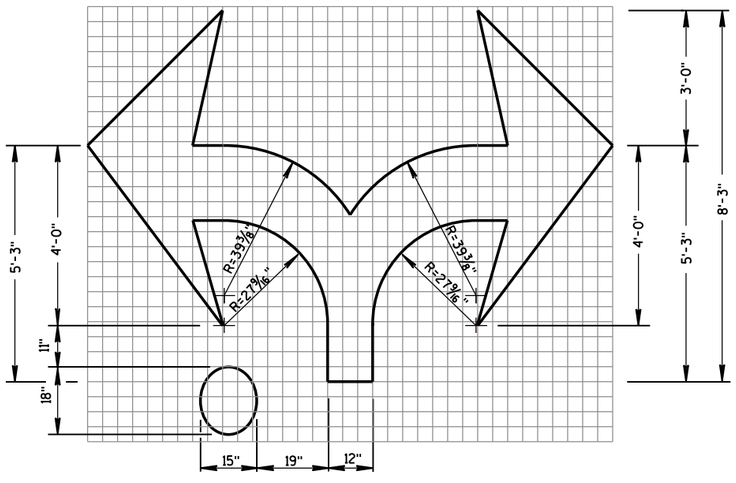
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2017
DATE

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STATE SIGNING AND MARKING ENGINEER

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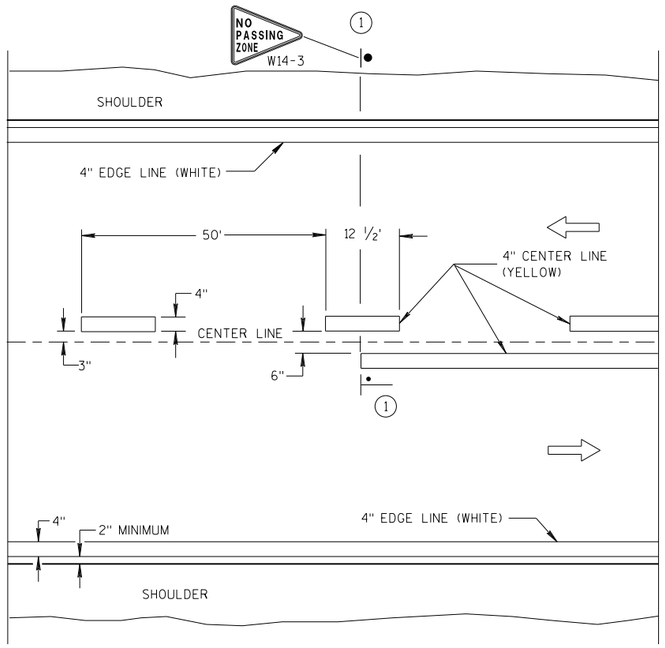
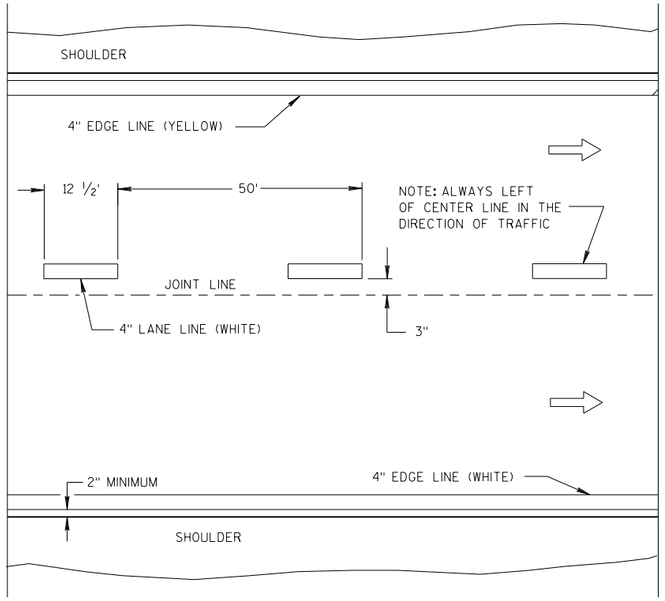
S.D.D. 15 C 7-14d



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

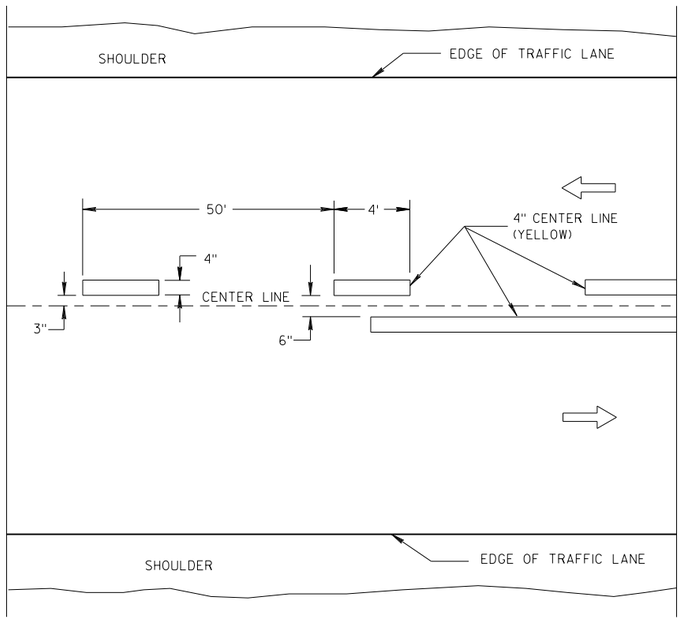
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

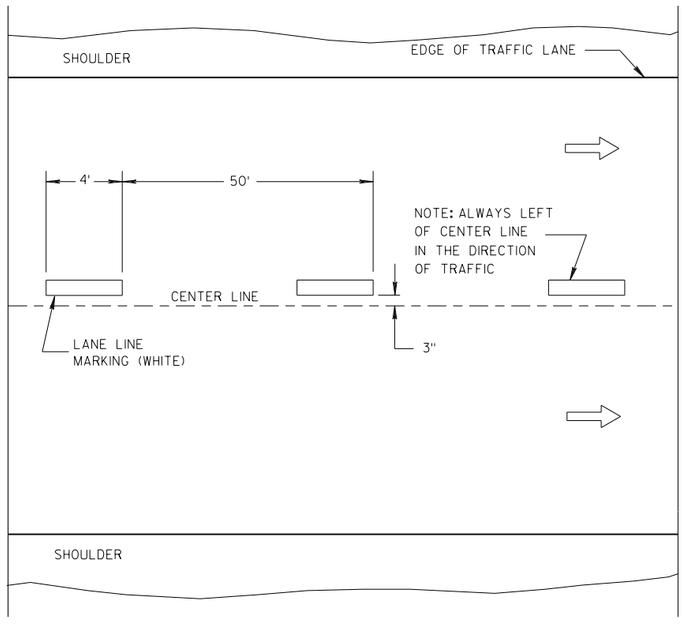
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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7/2018 — DATE

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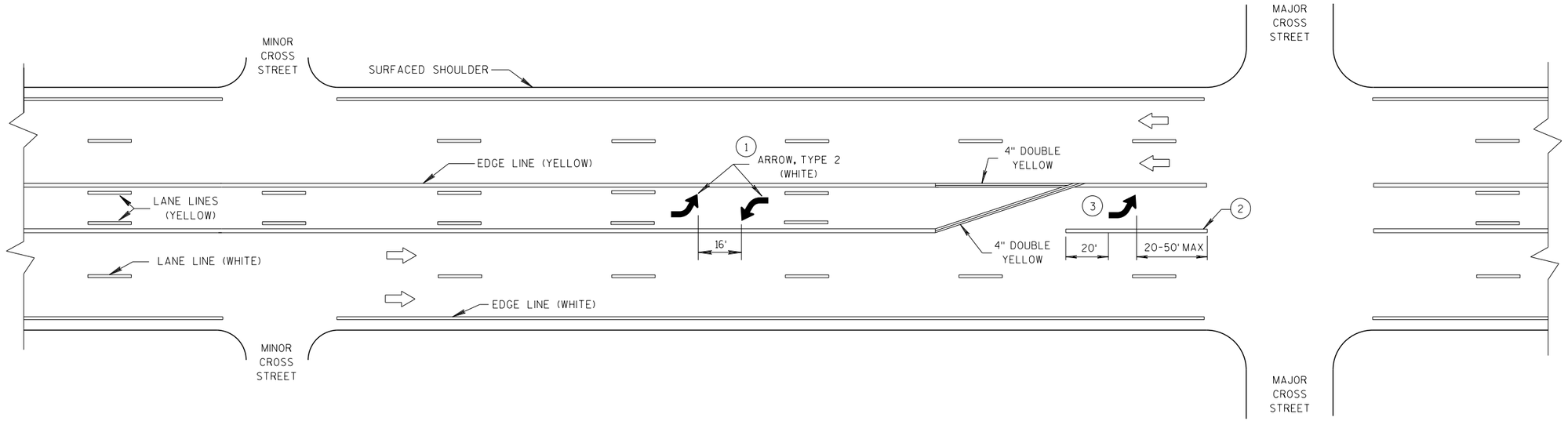
S.D.D. 15 C 8-19a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

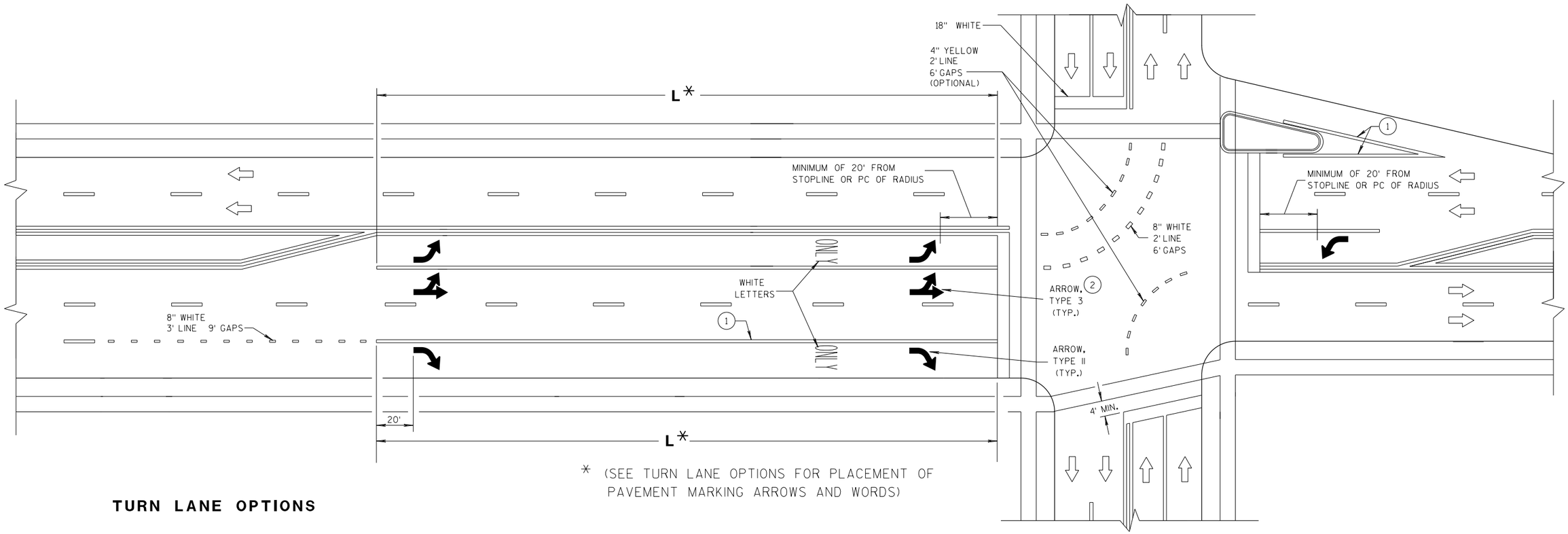
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 15 C 8-19b

6

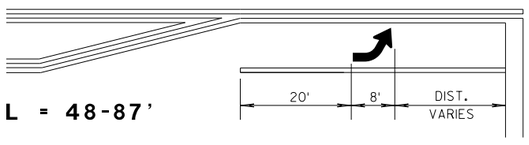
S.D.D. 15 C 8-19b



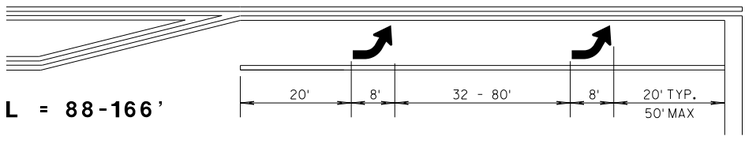
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

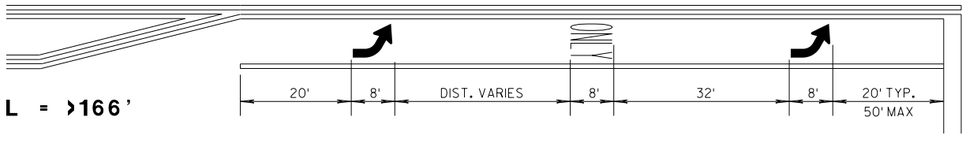
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

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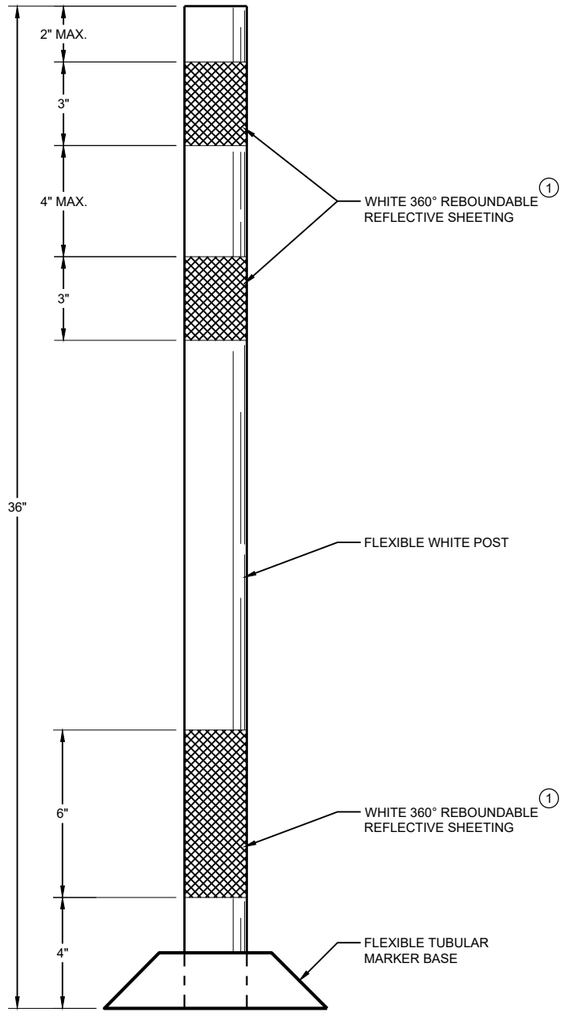
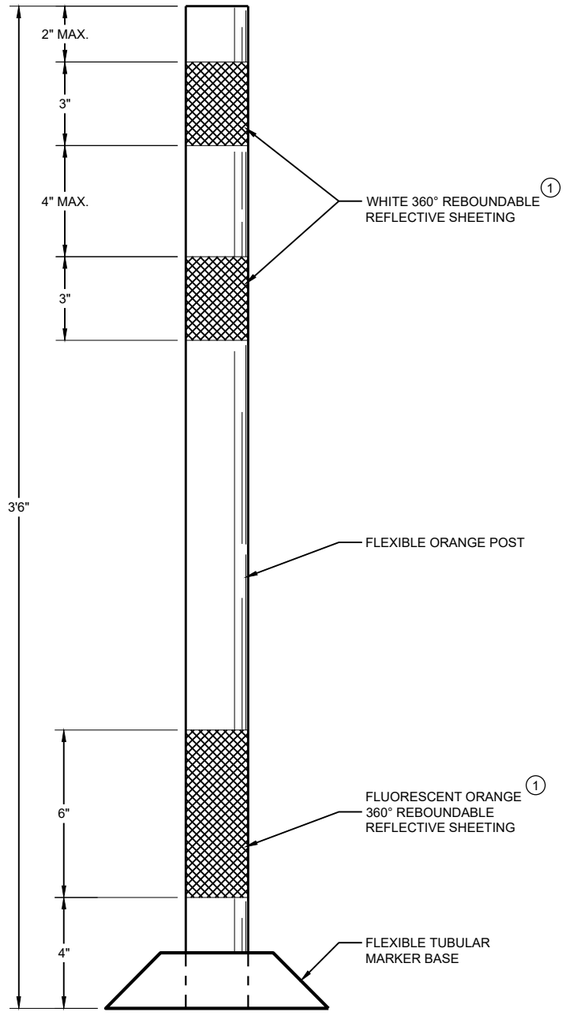
S.D.D. 15 C 8-19c



FLEXIBLE TUBULAR MARKER POST PERMANENT CROSSOVER



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

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SDD 15C11 - 07a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

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WORK ZONE ENGINEE

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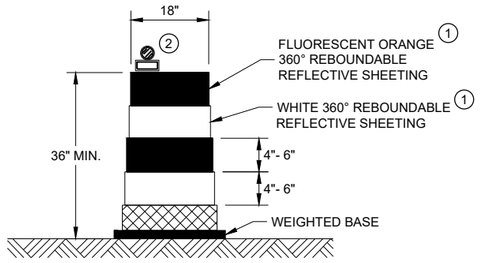
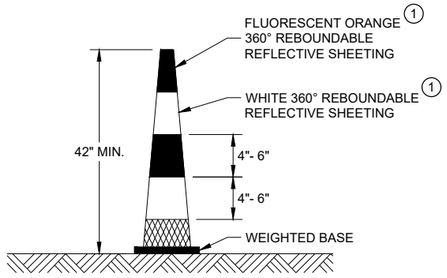
SDD 15C11 - 07a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

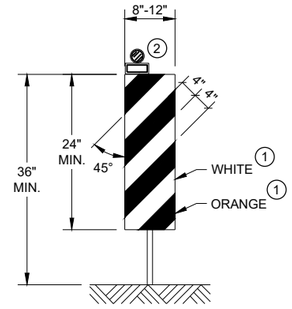


DRUM



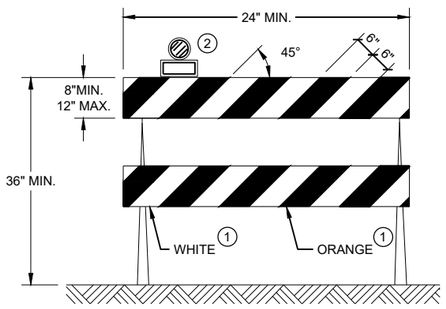
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



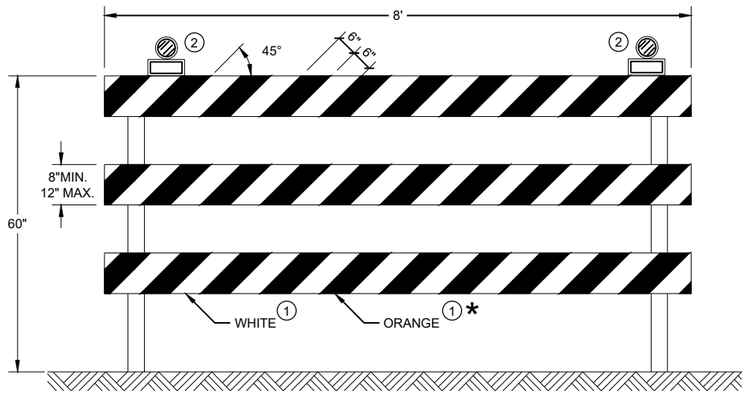
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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SDD 15C11 - 07b

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SDD 15C11 - 07b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND 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.

FLAGGING

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 REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' 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.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

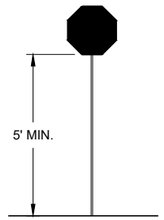
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



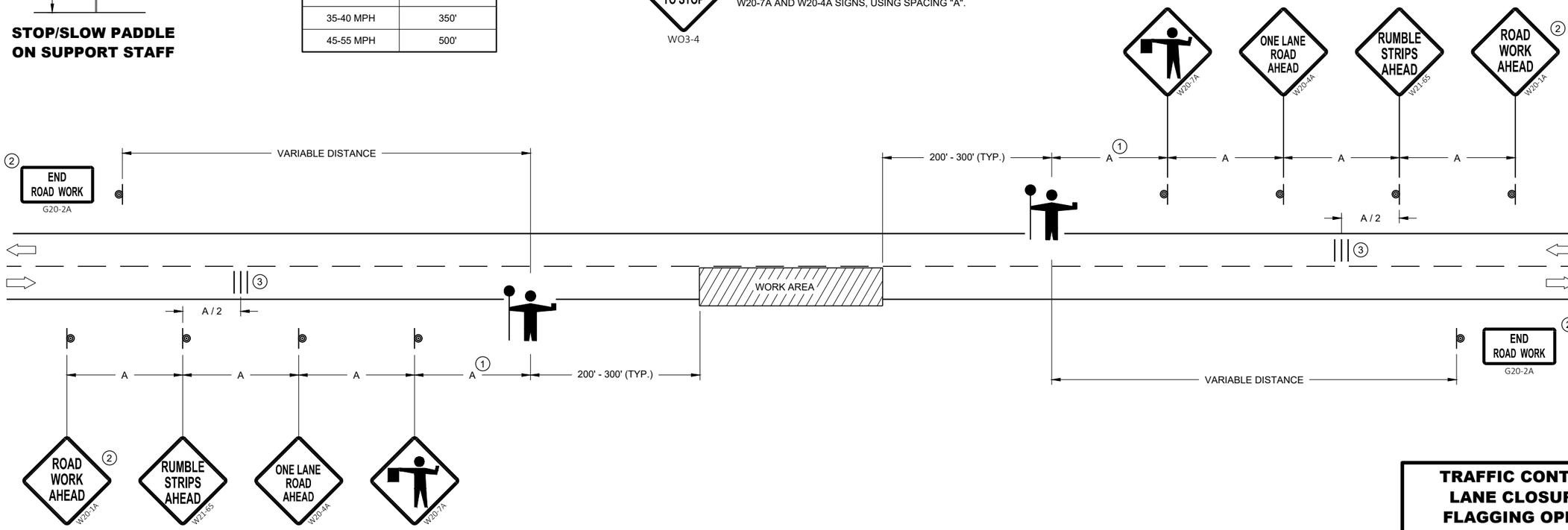
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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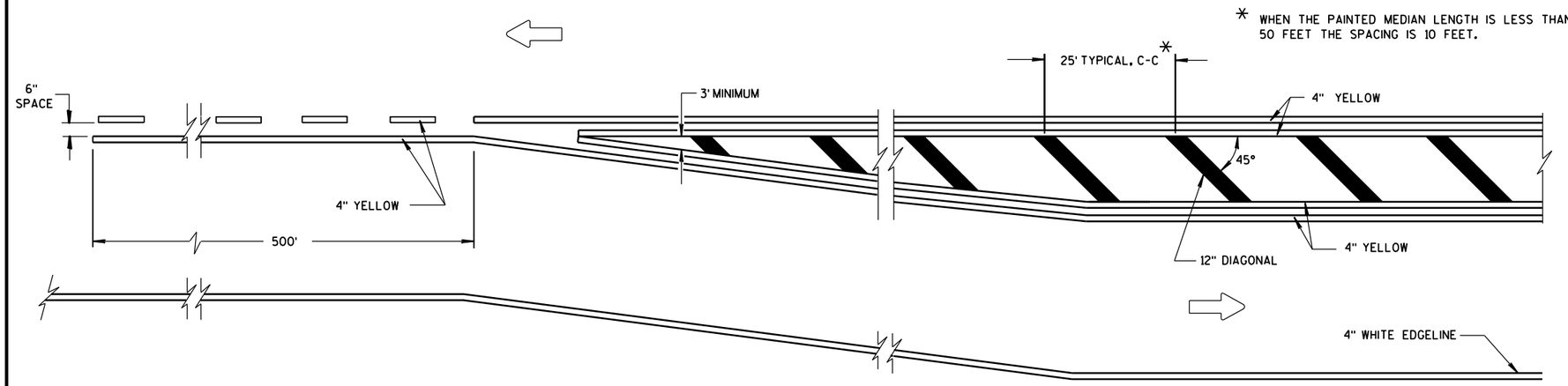
SDD 15C12 - 07

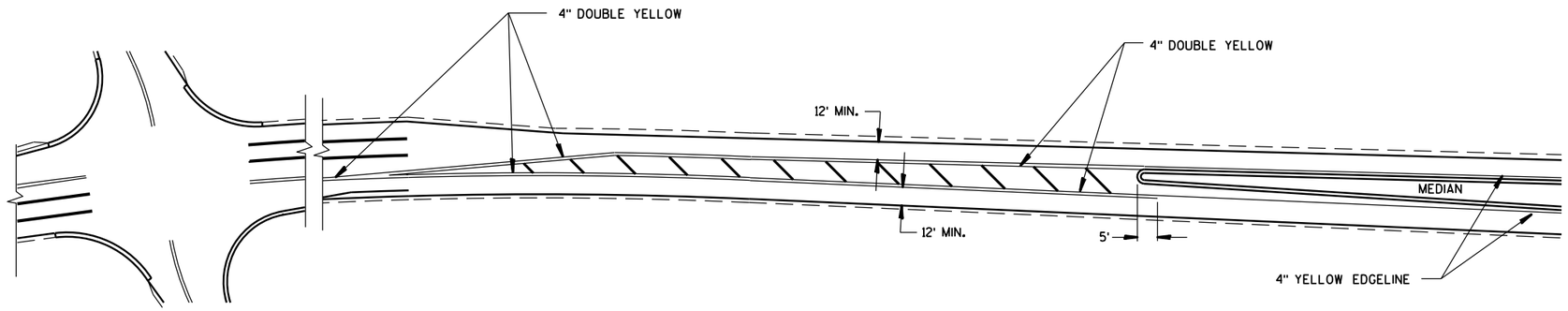


MEDIAN ISLAND DETAIL

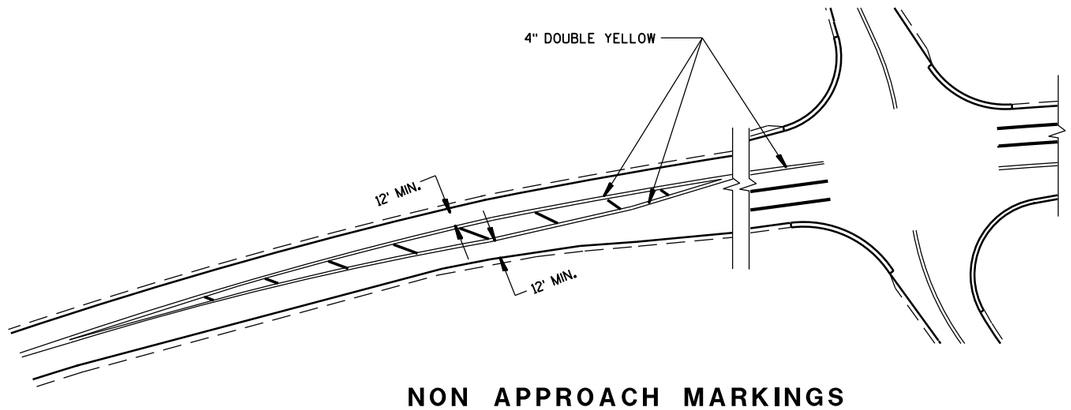
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

6

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S.D.D. 15 C 18-4

S.D.D. 15 C 18-4

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

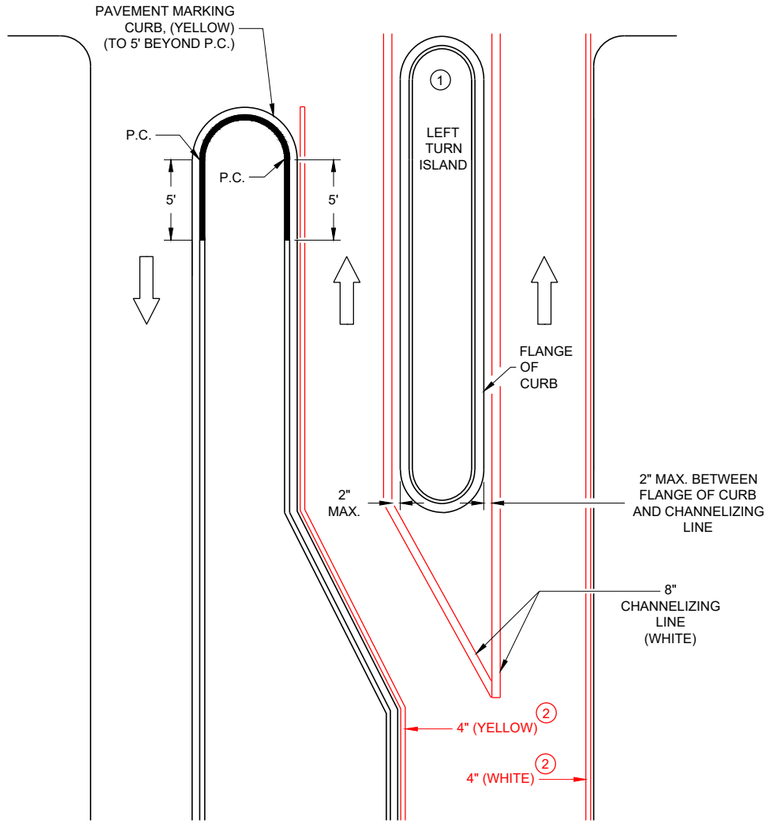
APPROVED

June 2017 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARK[ER]

FHWA

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

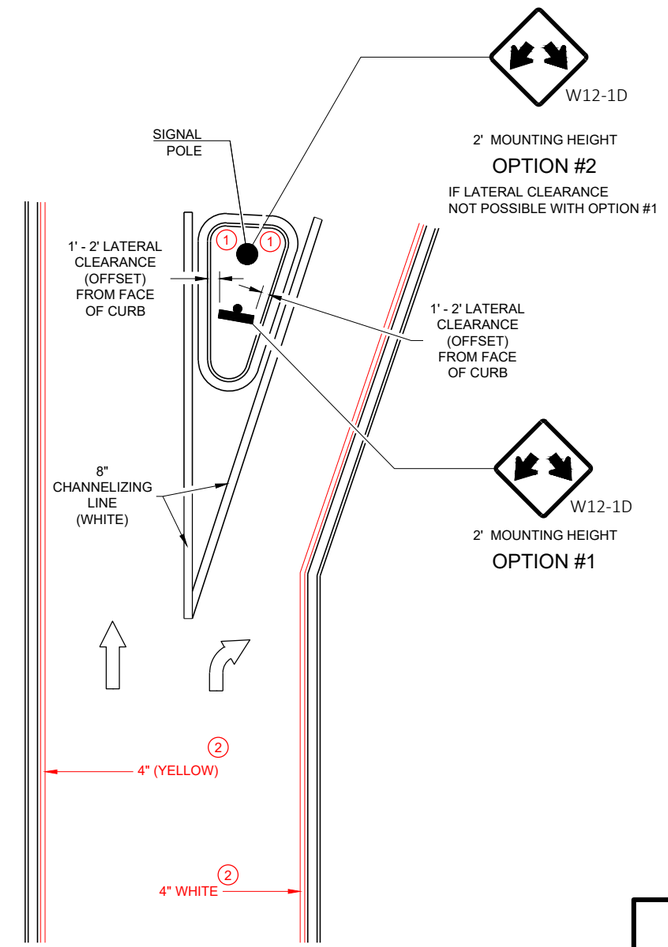
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

DOUBLE ARROW
WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER
458

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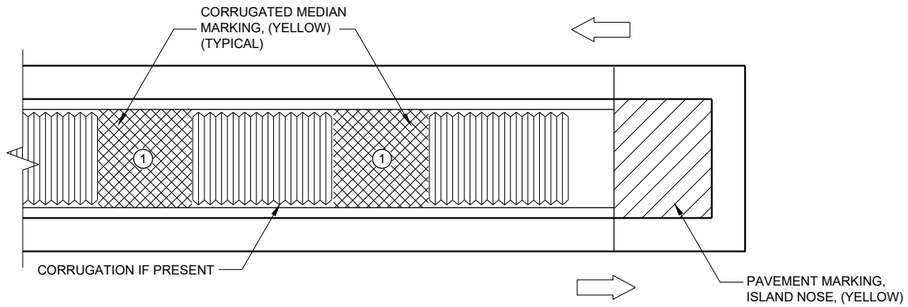
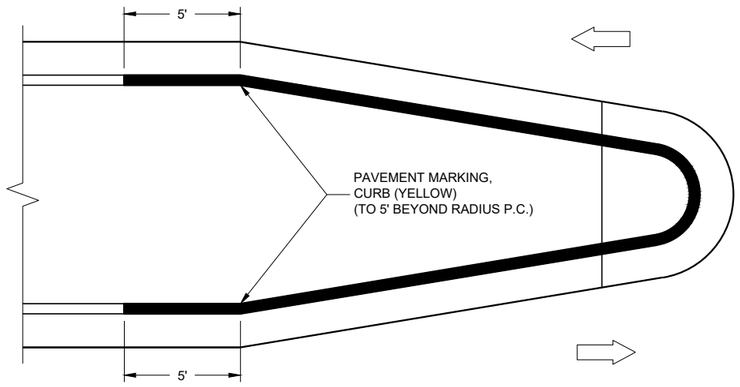
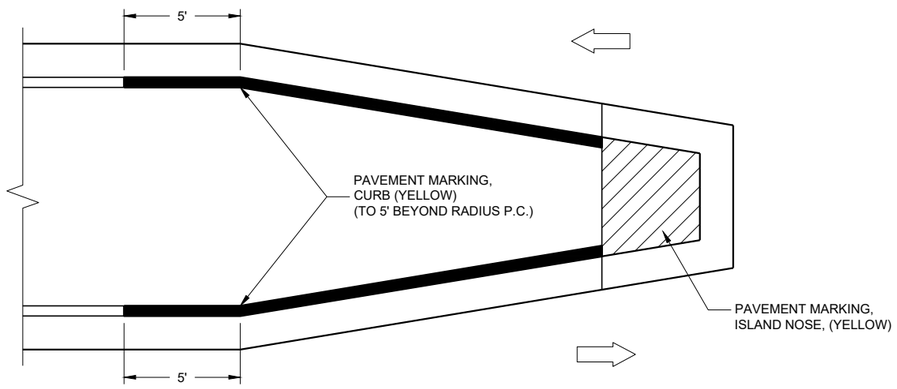


MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

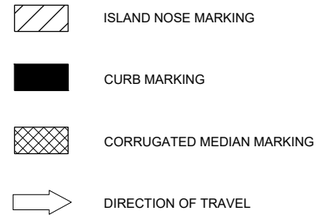


MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

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 ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



PAVEMENT MARKINGS
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

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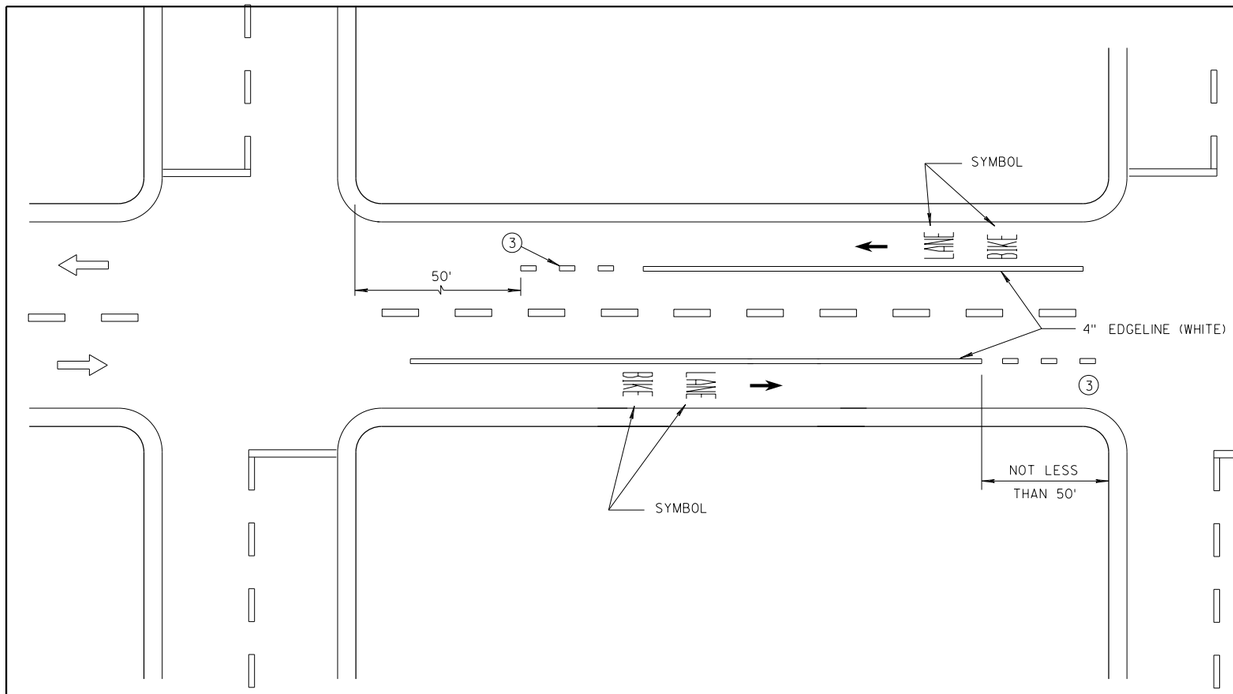
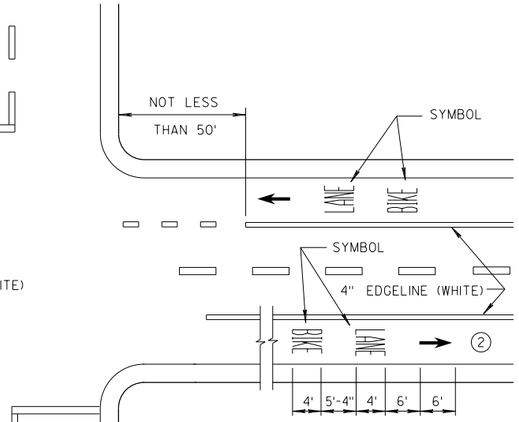
SDD15C27 - 03b



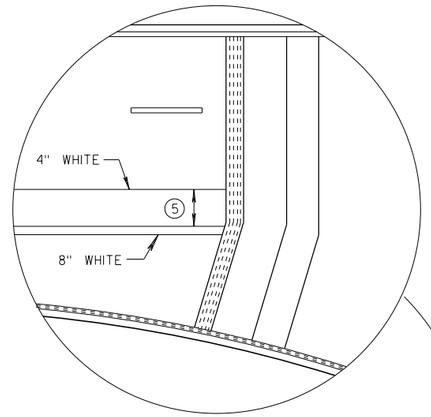


DESIGNATED BICYCLE LANE
NO PARKING

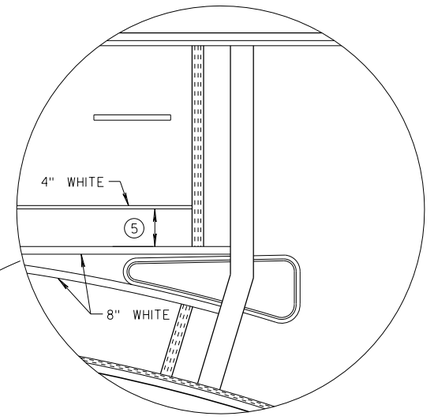
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION IS TYPICALLY 5 FEET WIDE AND A MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

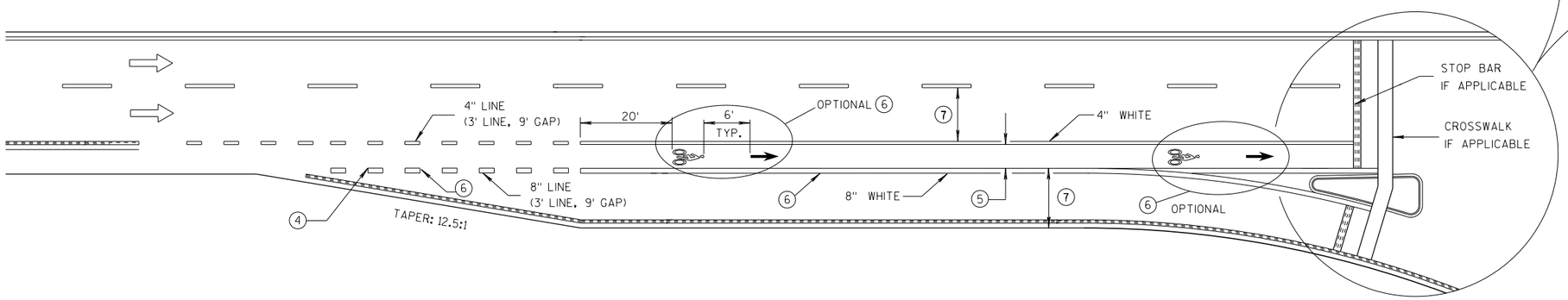
DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR 460 ...EER
FHWA

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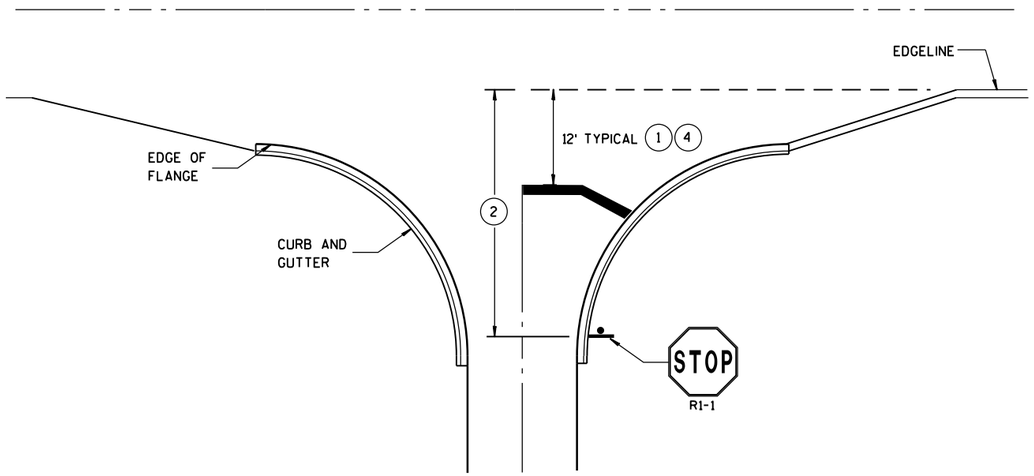
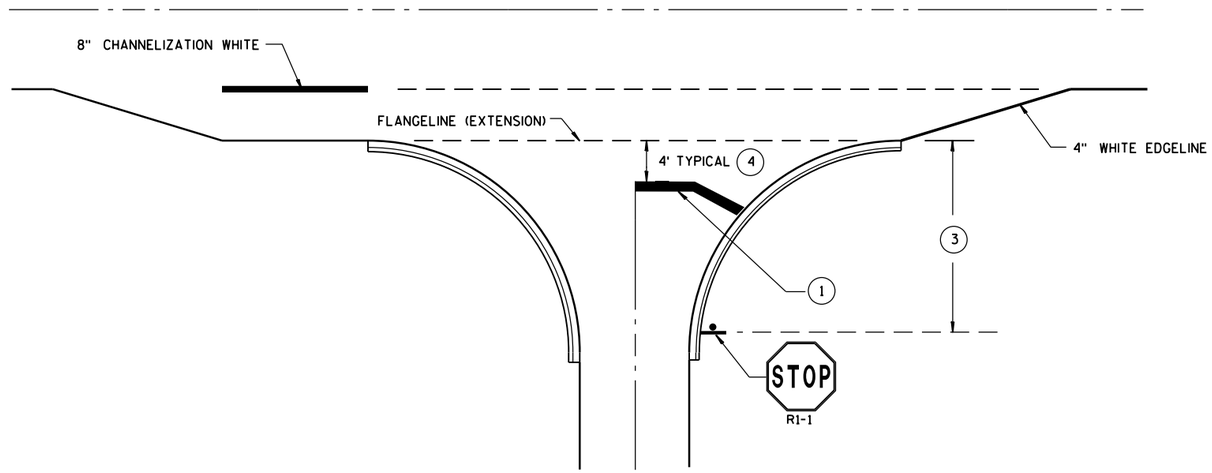
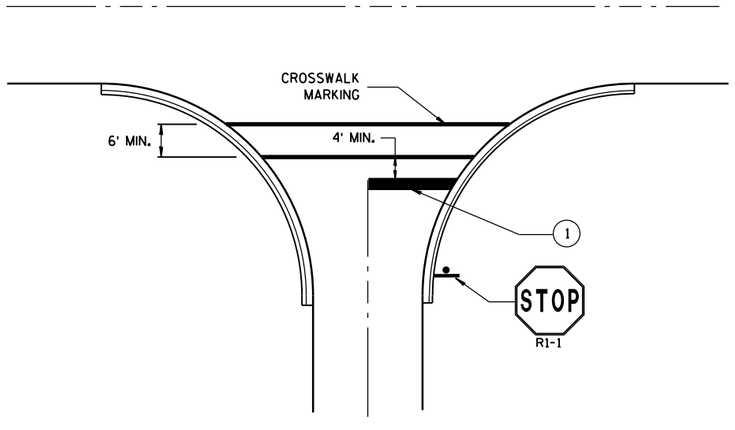


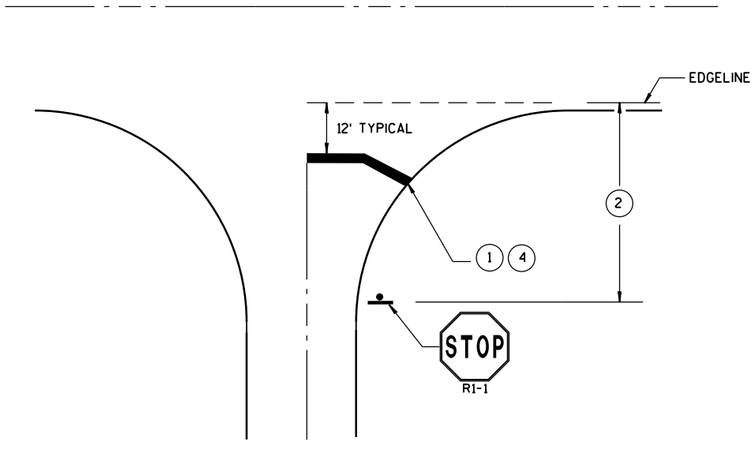
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(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. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR[illegible]NEER

FHWA

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S.D.D. 15 C 33-3

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

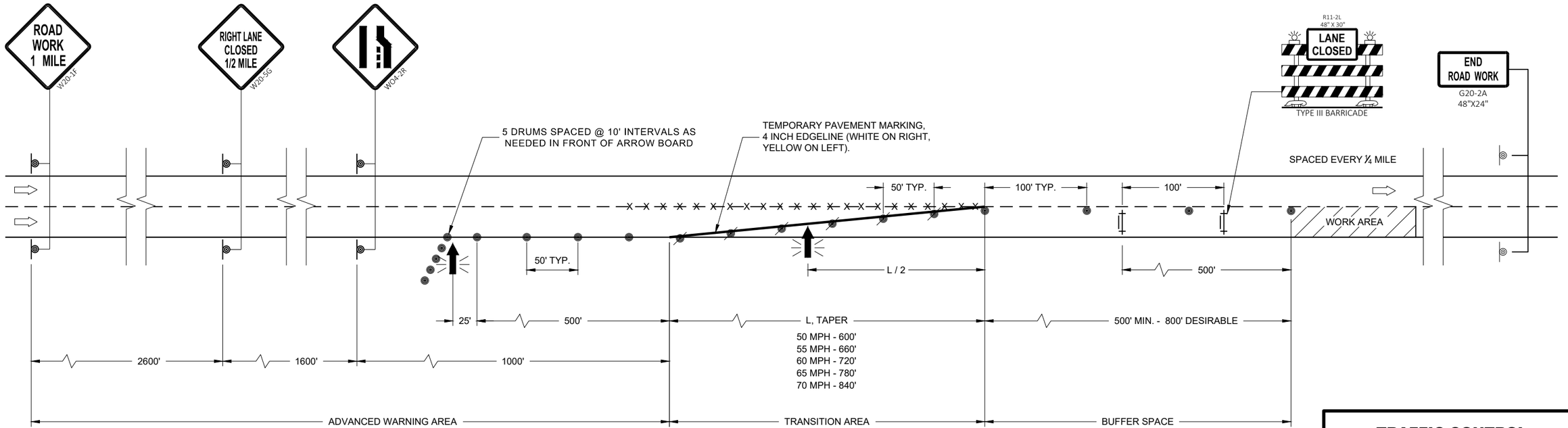
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 07a

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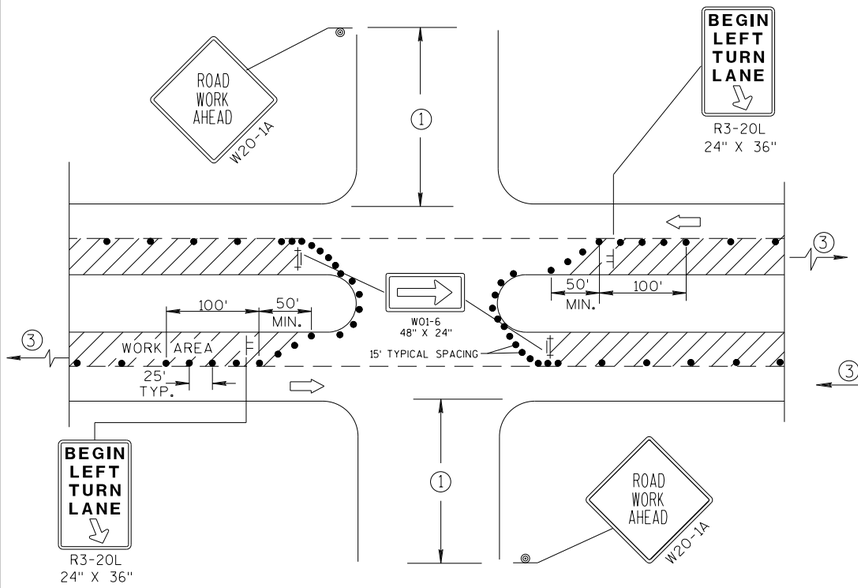
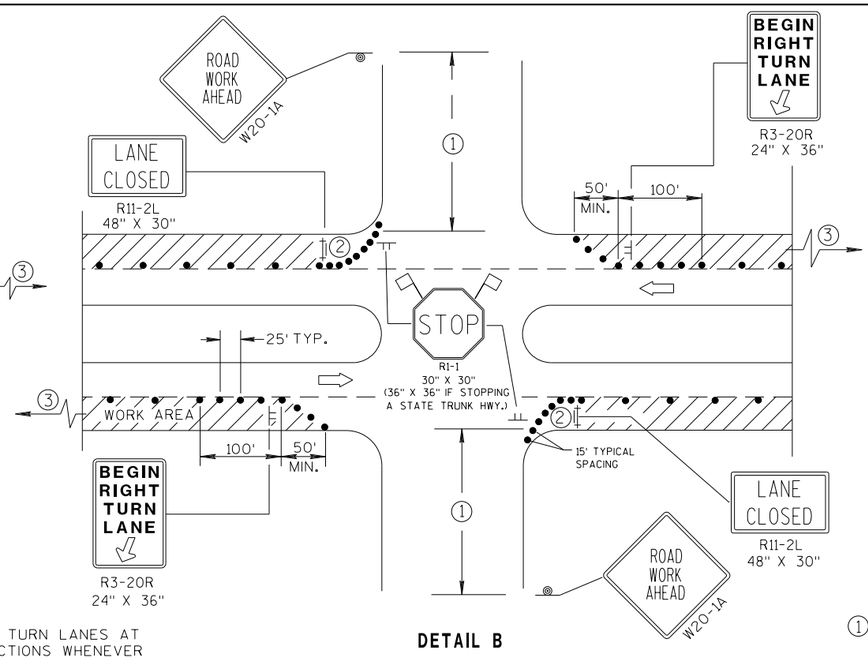
SDD 15D12 - 07a



DETAIL A

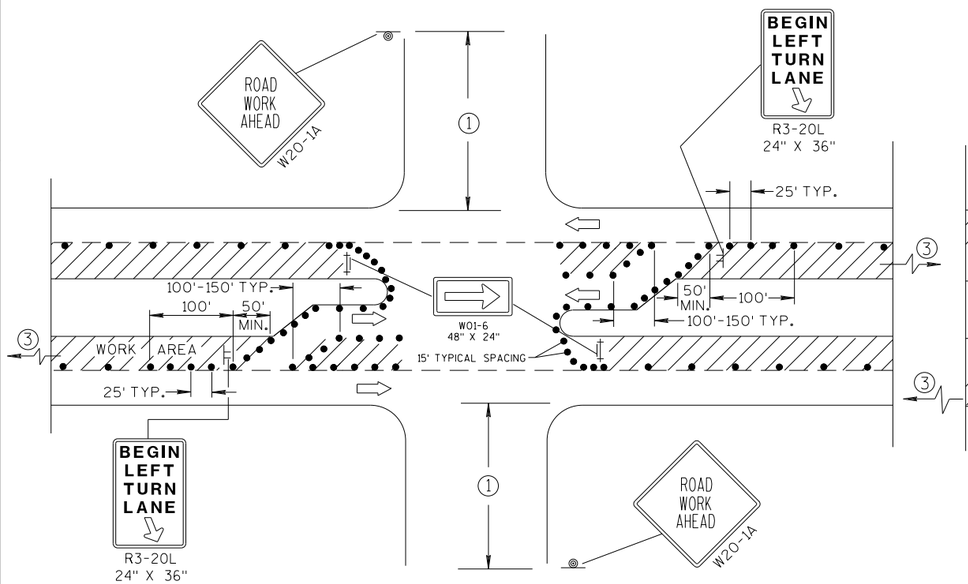
FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



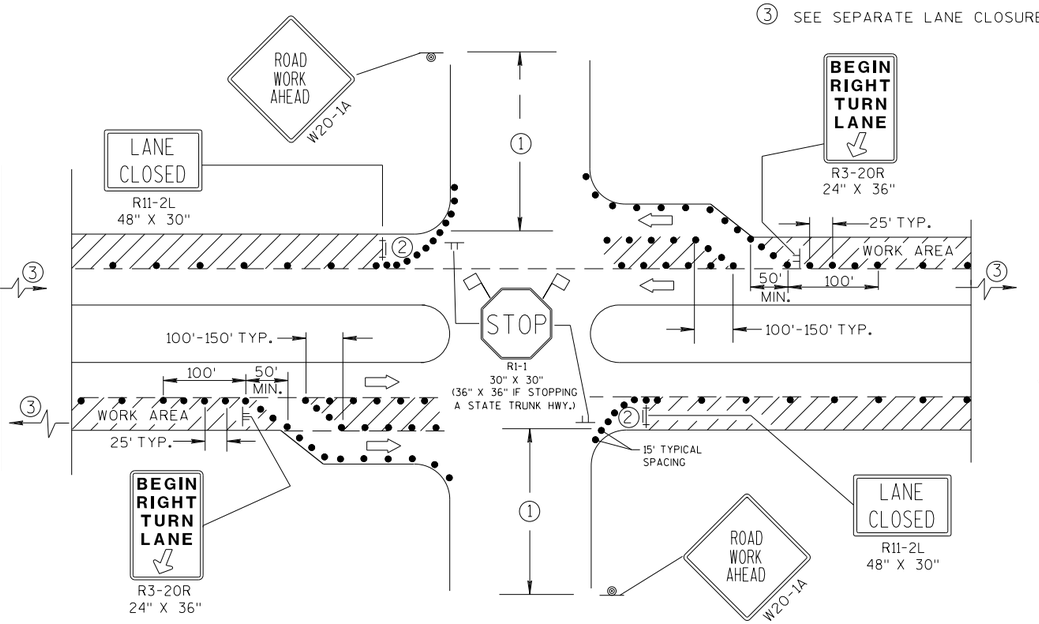
DETAIL B

FOR RIGHT LANE CLOSURE AT INTERSECTION



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"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.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

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S.D.D. 15 D 21-6

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

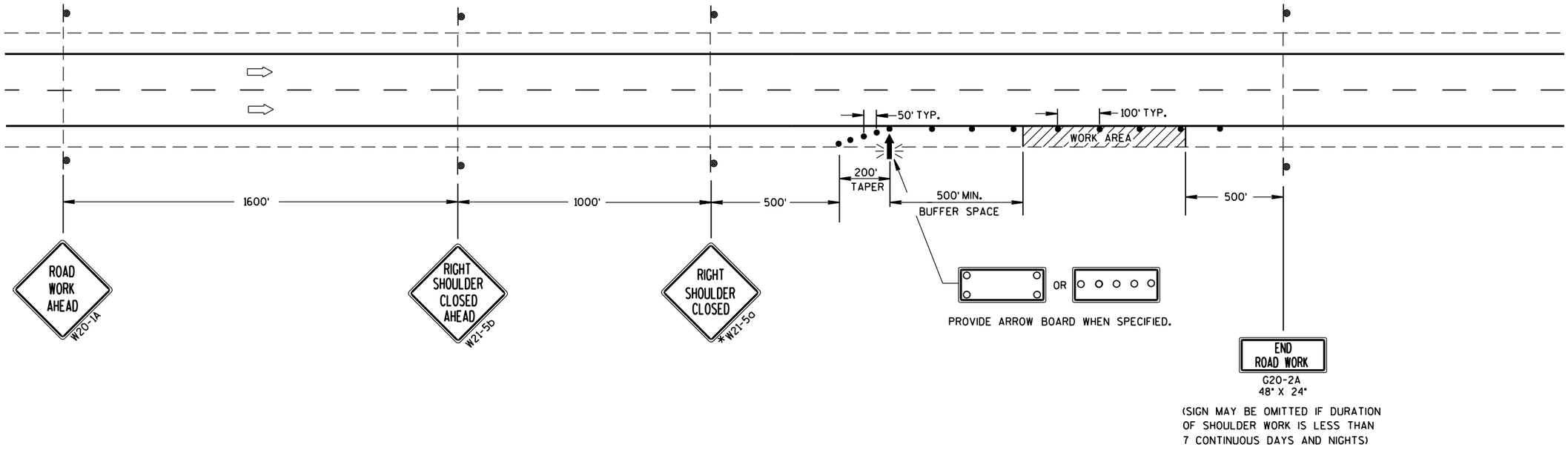
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

6

S.D.D. 15 D 27-3

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

TABLE A

S \ W	4	6	8	10	BUFFER SPACE (FEET)
	SHOULDER TAPER LENGTH (FEET)				
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

W = SHOULDER WIDTH (FEET
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L= WS AT 45 MPH OR GREATER
L = WS² / 60 AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = 1/3L

GENERAL NOTES

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 THE REGIONAL TRAFFIC UNIT.

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

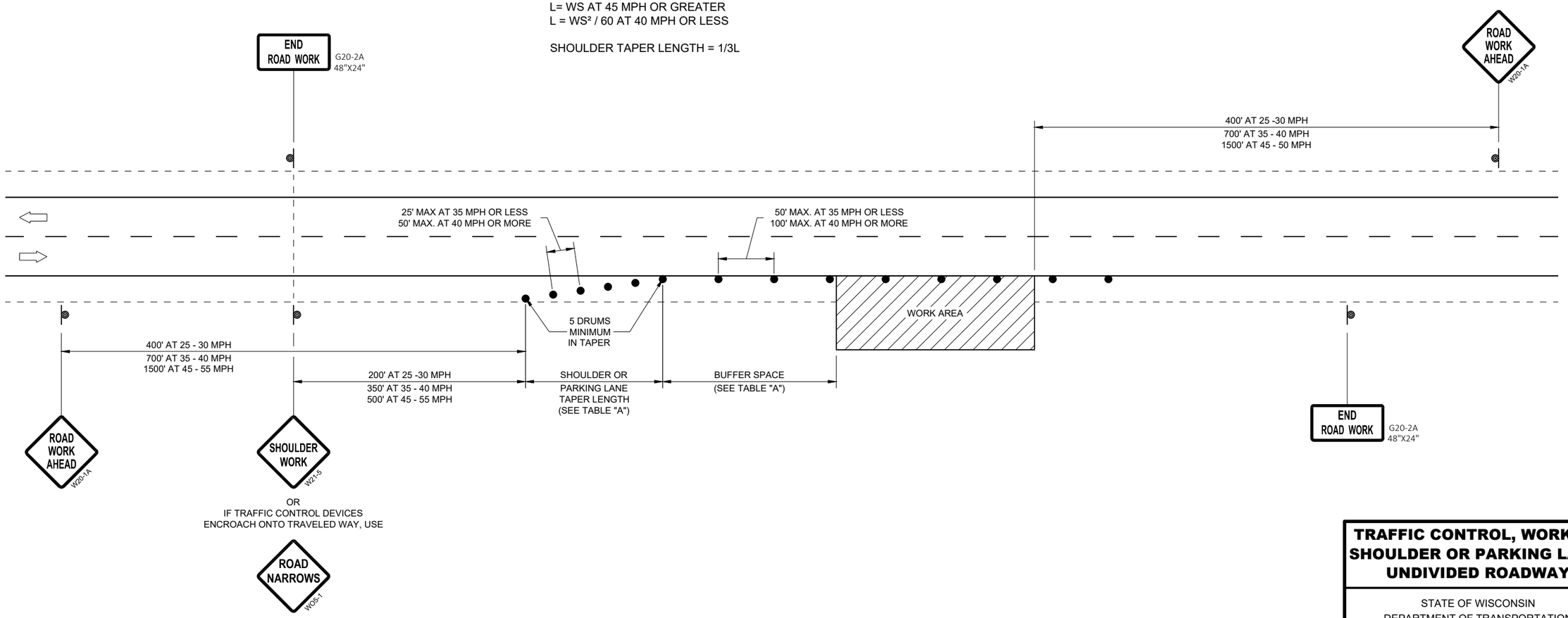
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY RESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

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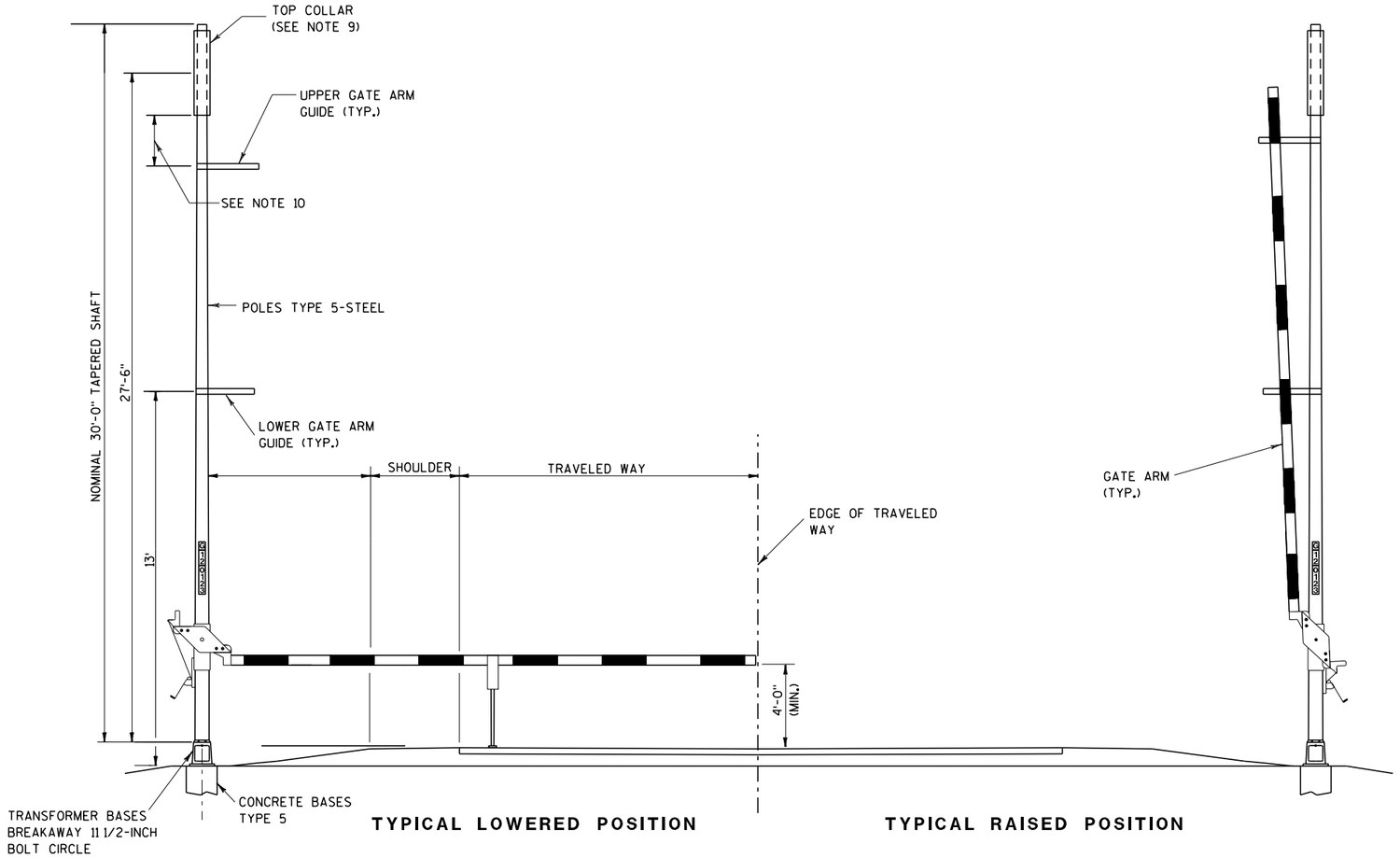
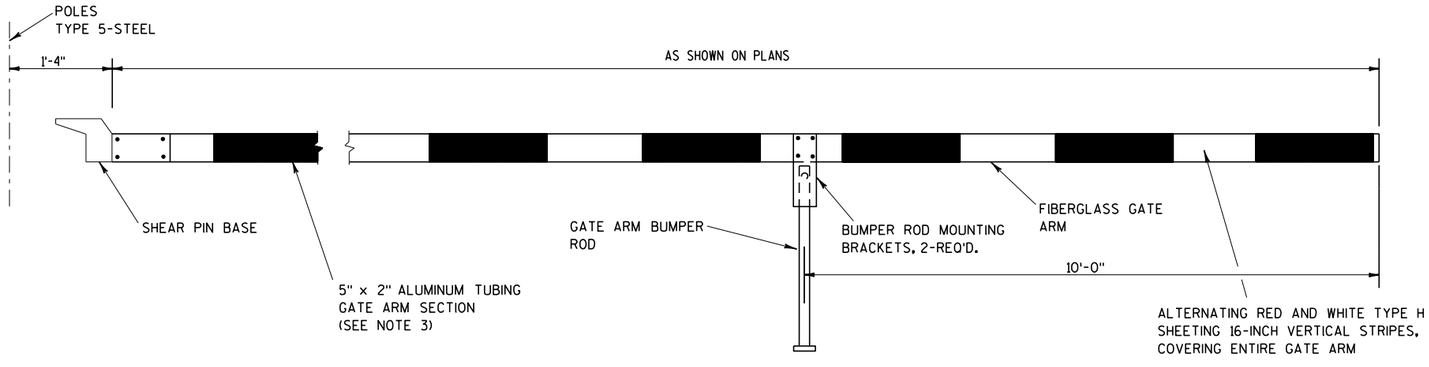
SDD 15D28 - 03



TYPICAL LOWERED POSITION

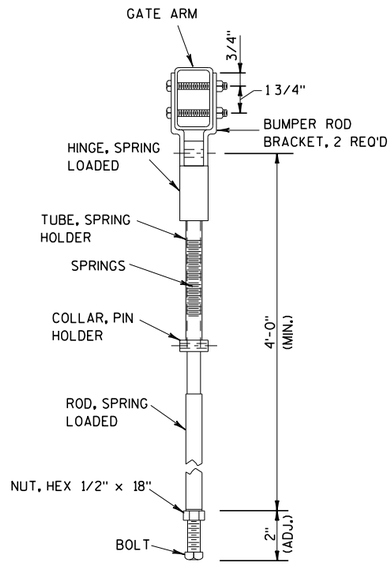
TYPICAL RAISED POSITION



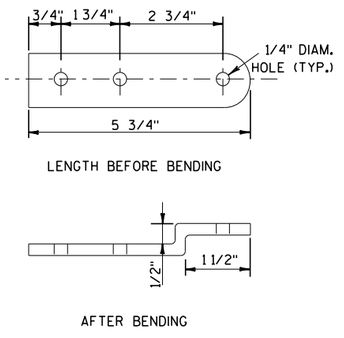
GATE DETAIL

GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.



GATE ARM BUMPER ROD DETAIL



BUMPER ROD MOUNTING
BRACKET DETAIL

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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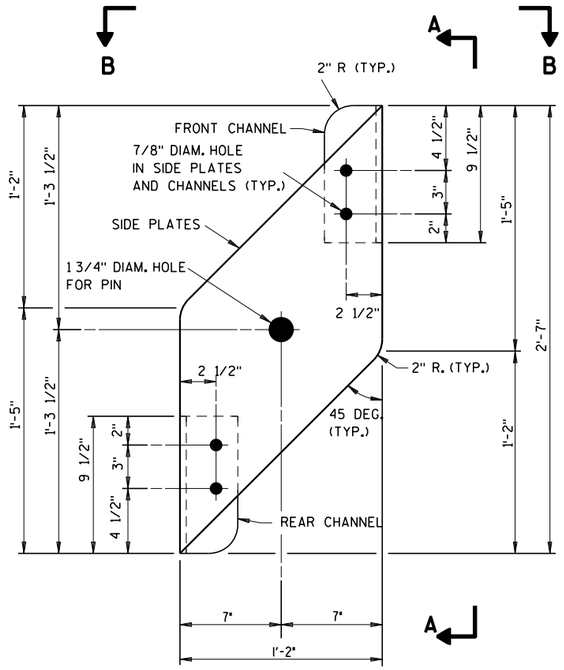
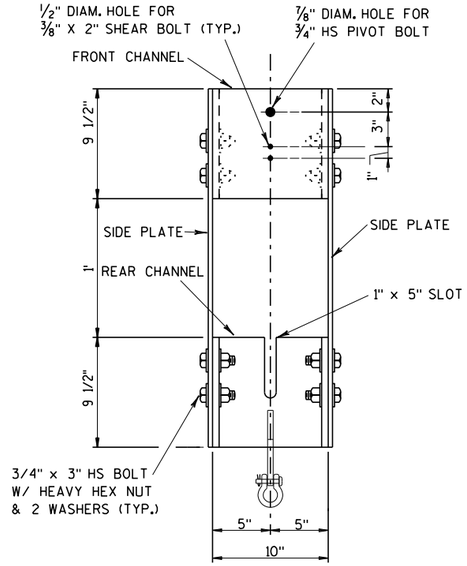
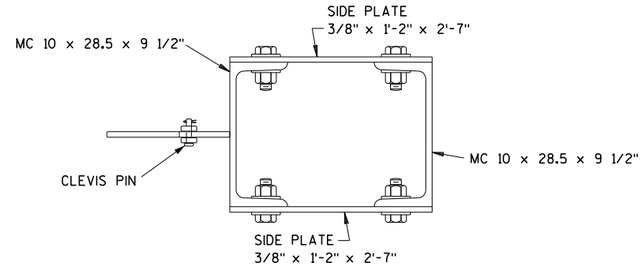
S.D.D. 15 D 35-3a



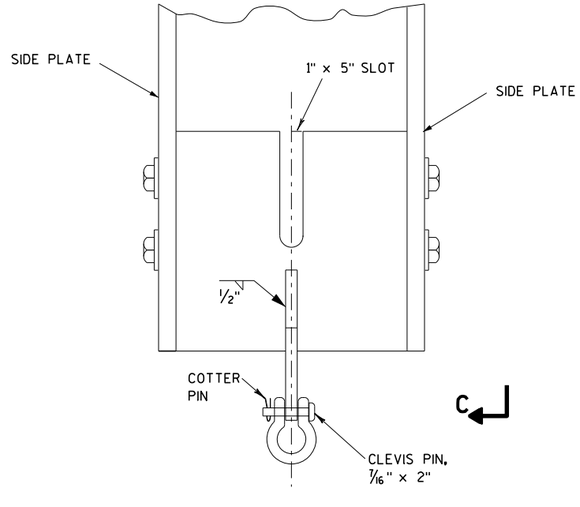
SIDE PLATE DETAIL



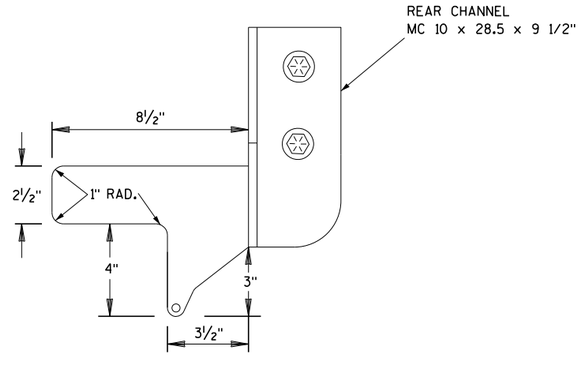
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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S.D.D. 15 D 35-3b

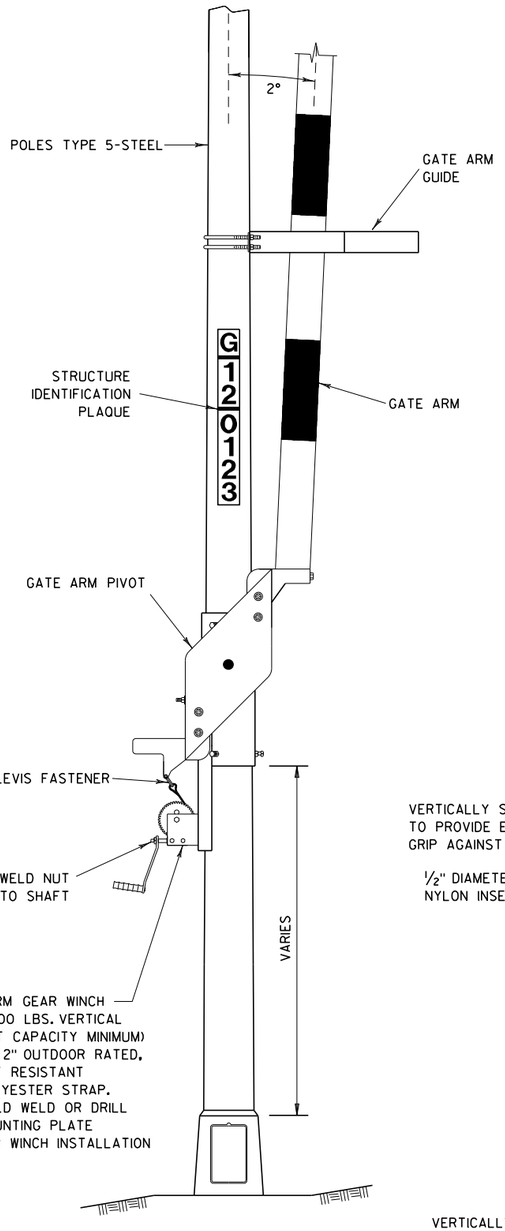
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

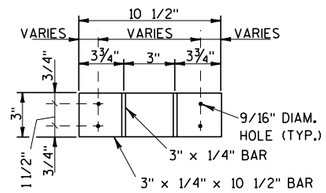
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

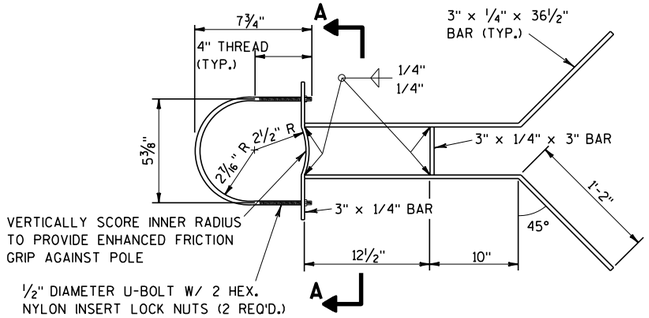
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



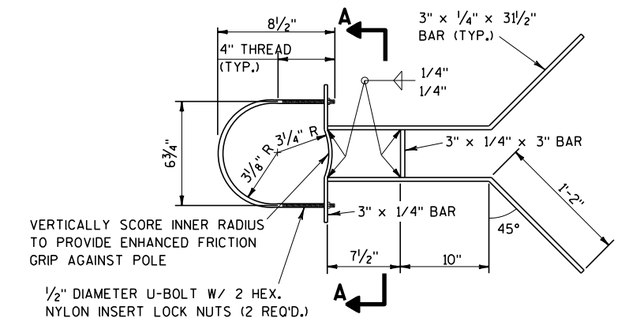
GATE PIVOT ASSEMBLY



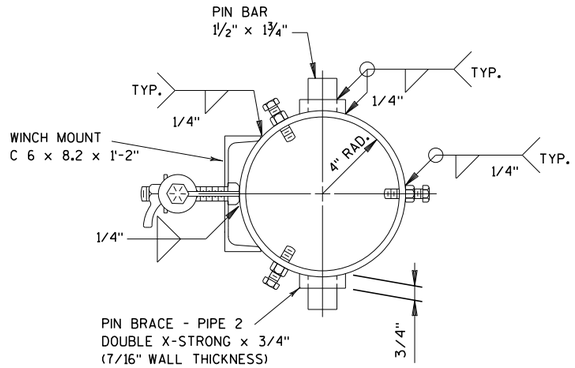
SECTION A-A
U-BOLTS NOT SHOWN



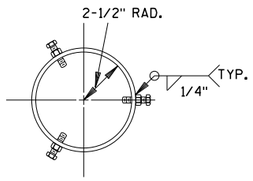
UPPER GATE ARM GUIDE DETAIL



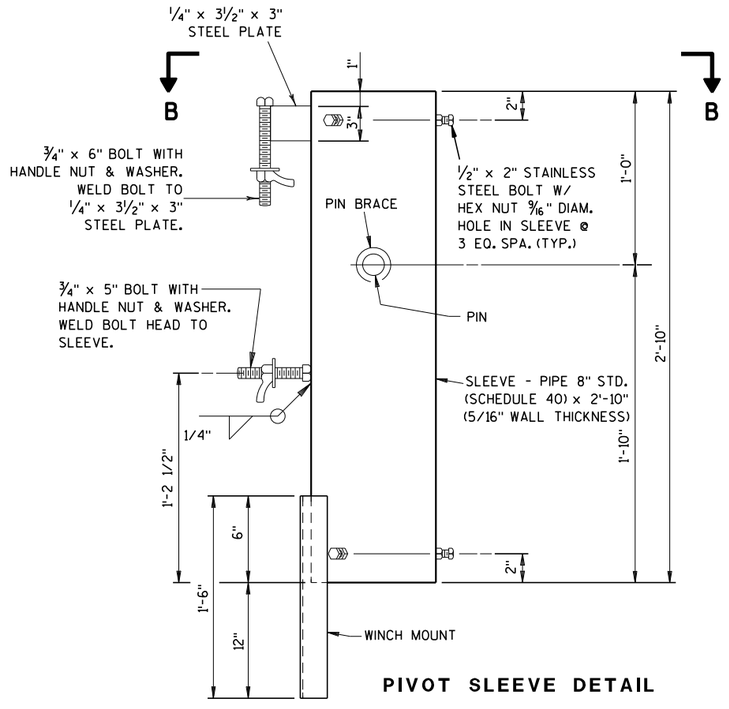
LOWER GATE ARM GUIDE DETAIL



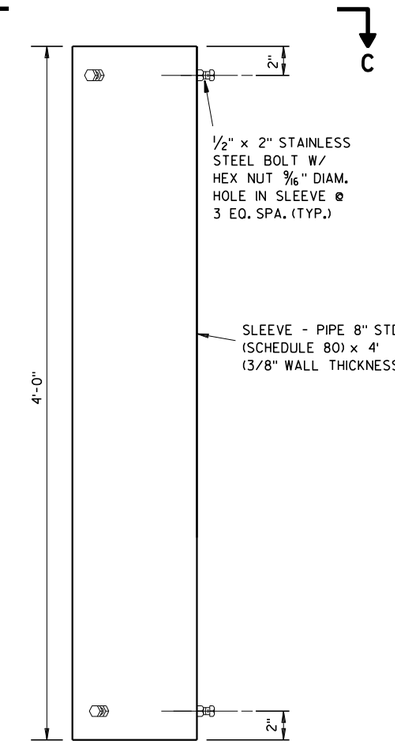
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



TOP COLLAR

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER
FHWA

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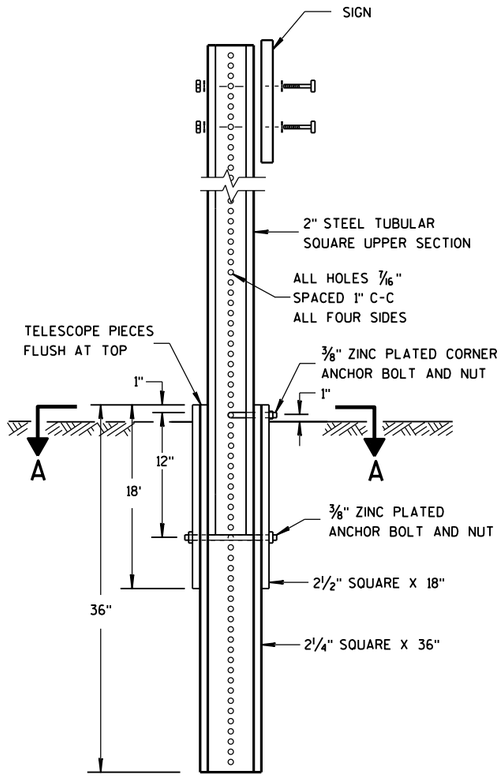
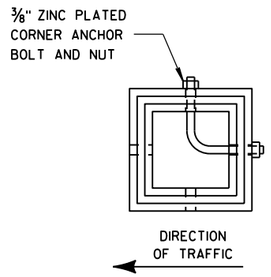
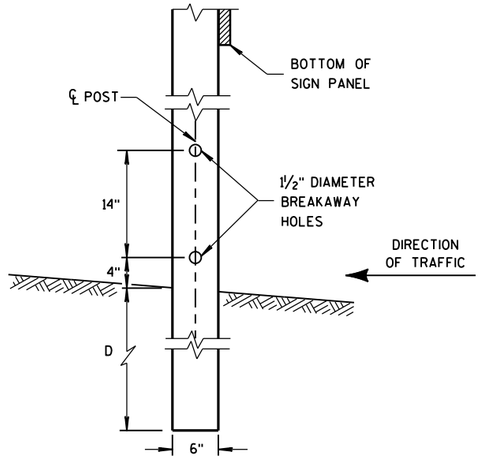
S.D.D. 15 D 35-3c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



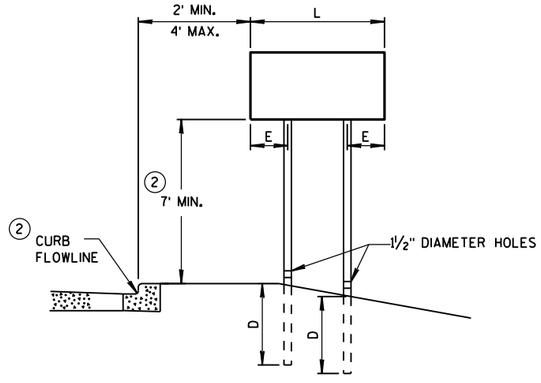
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

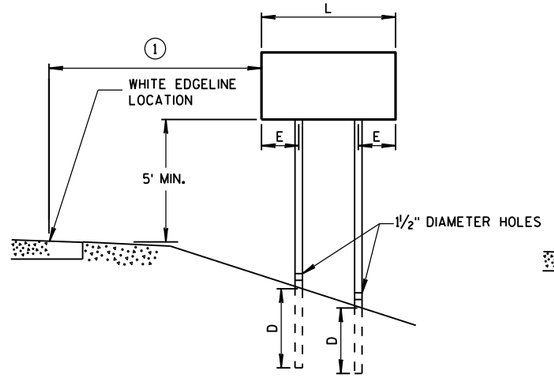
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

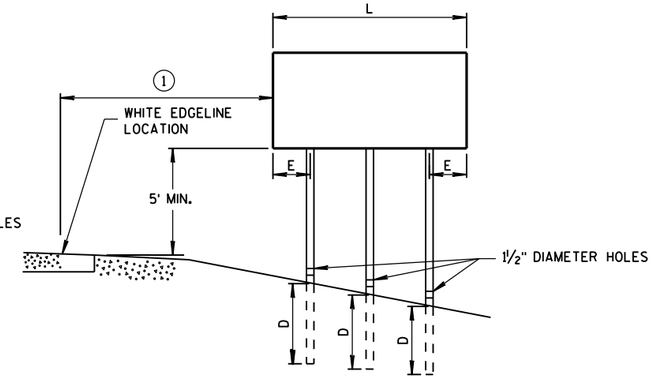
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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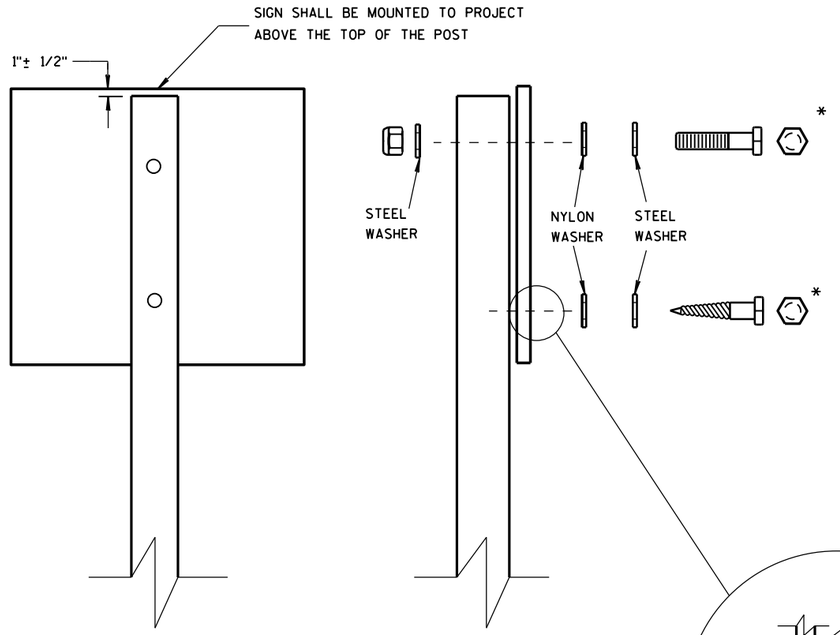

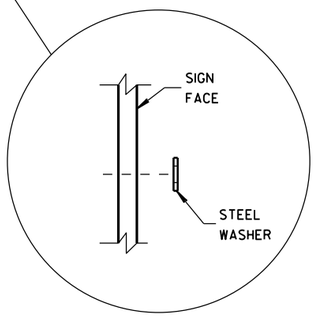

WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR SHIFTING RIGHT LANE - REVERSE FOR SHIFTING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

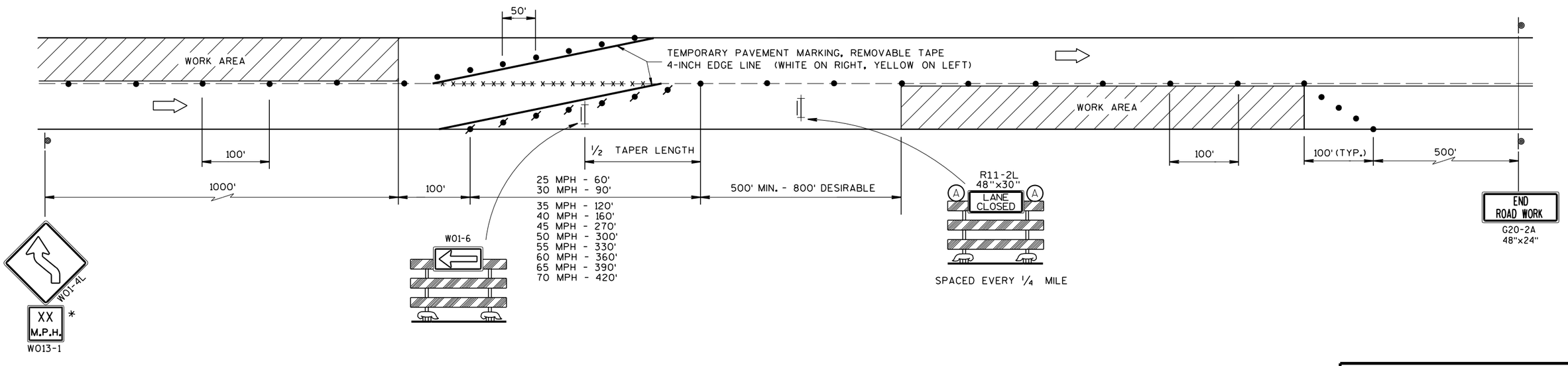
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew I
WORK ZONE E

FHWA

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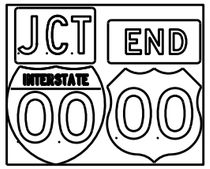
S.D.D. 15 D 40-1

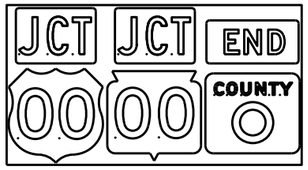
S.D.D. 15 D 40-1

TYPICAL ASSEMBLIES

J1-1

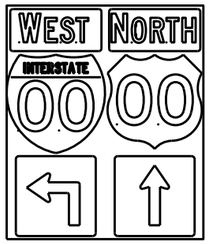


J1-2

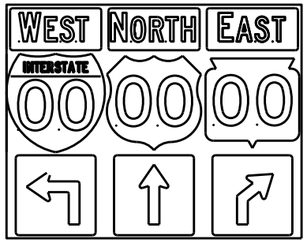


J1-3

J2-1



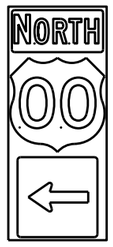
J2-2



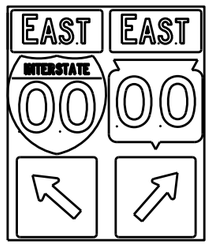
J2-3

JV

(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



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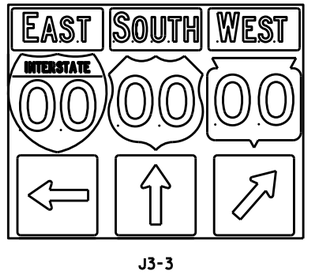

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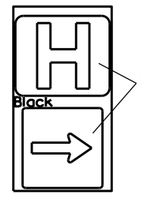
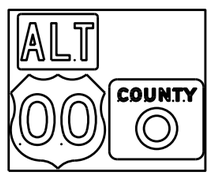


JH-1

J4-1



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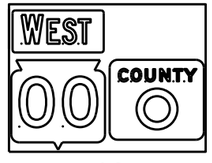

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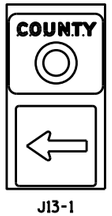


J13-1

J12-1

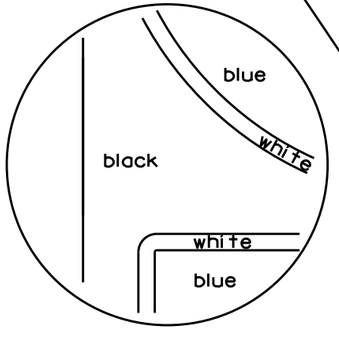
J32-1

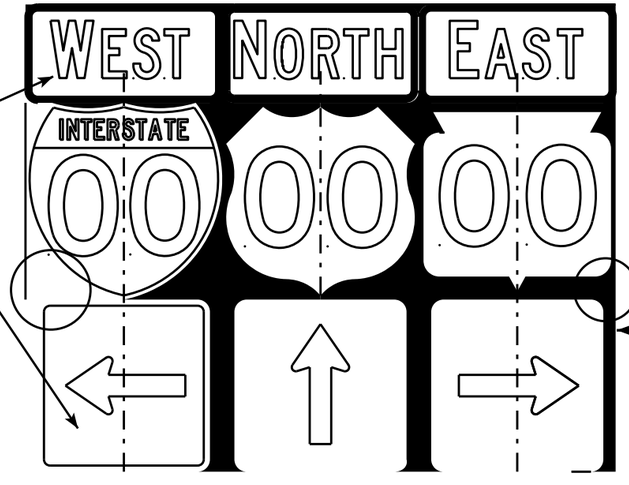
J33-1

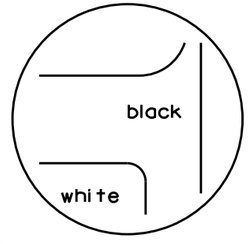
J23-1

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

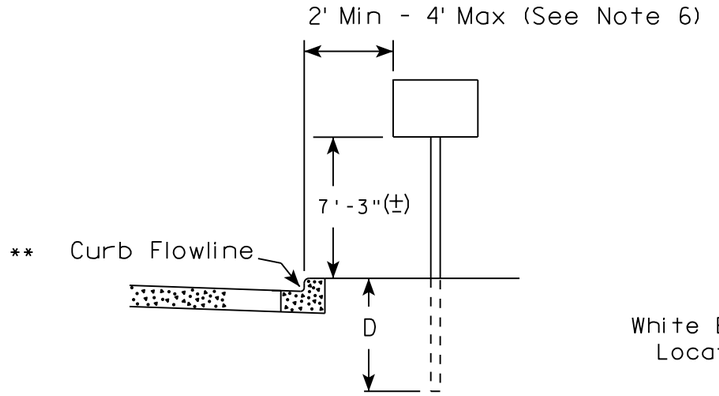
DATE 2/06/14 PL... A2-1S.8

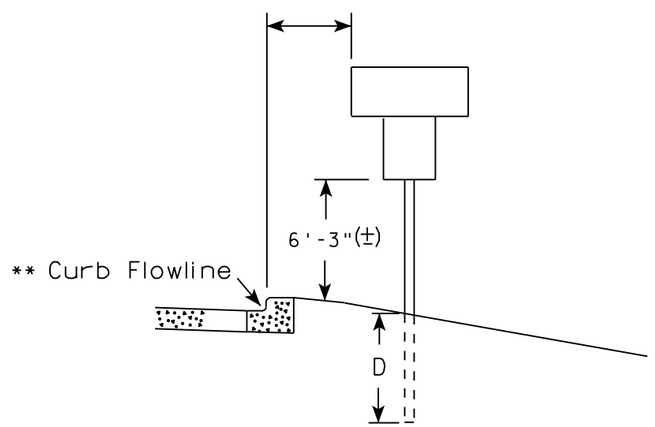
PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

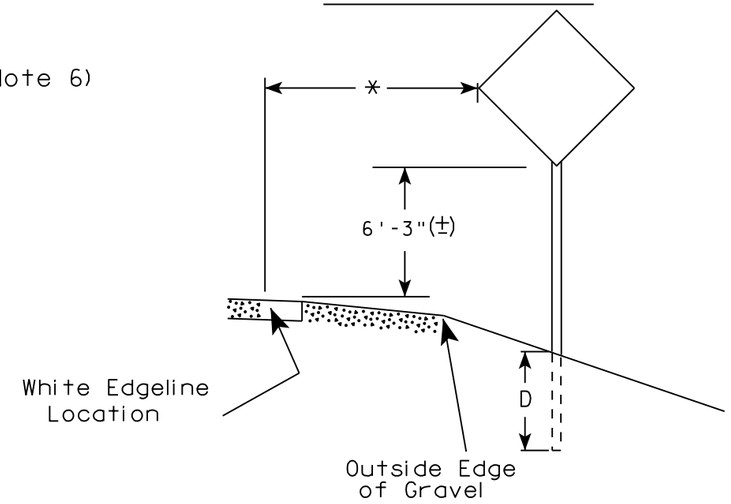
WISDOT/CADDS SHEET 42

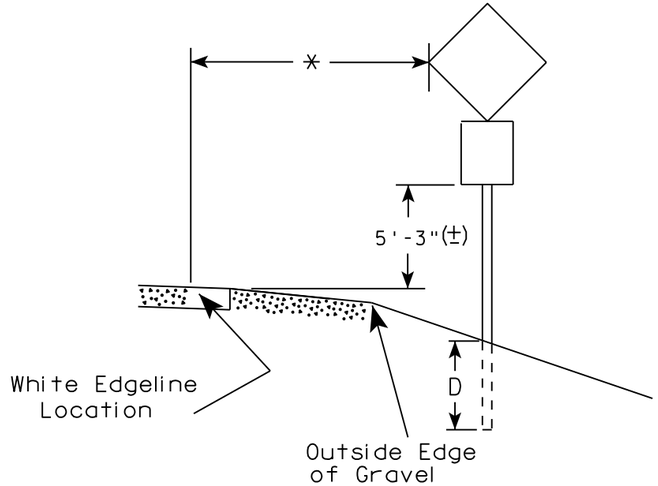
URBAN AREA





RURAL AREA (See Note 2)





GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

** 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.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

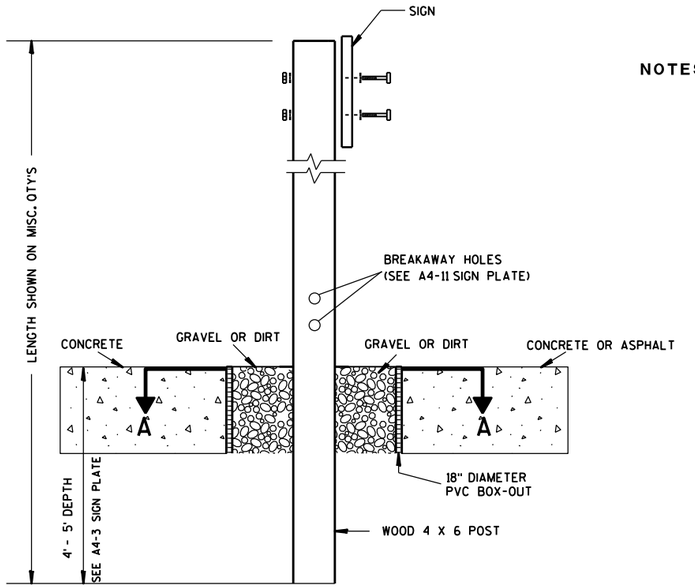
APPROVED Matthew R Rauch for State Traffic Engineer

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

7

7

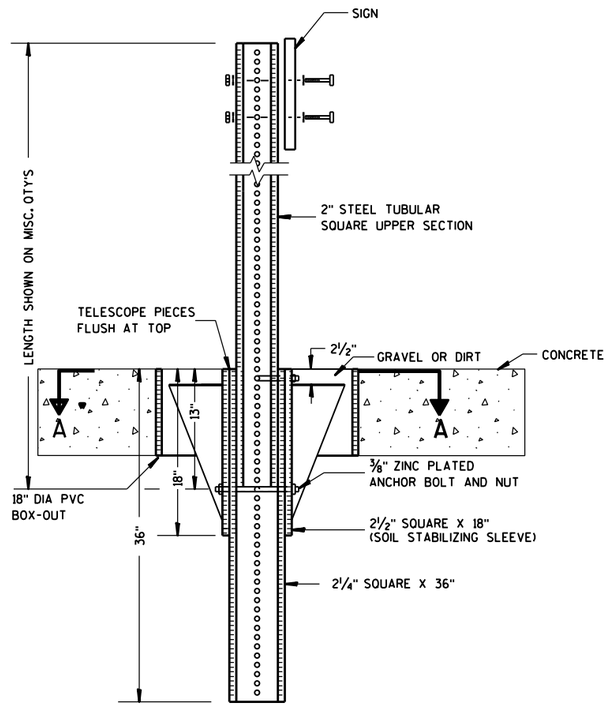
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 473	E



ELEVATION VIEW

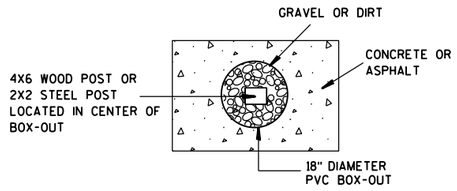
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

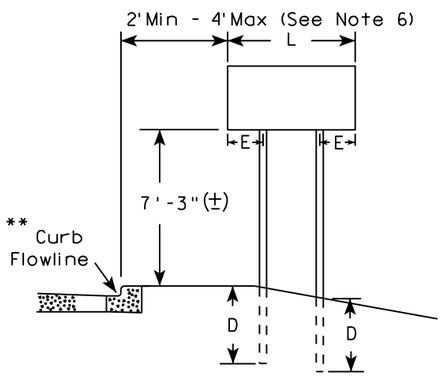
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

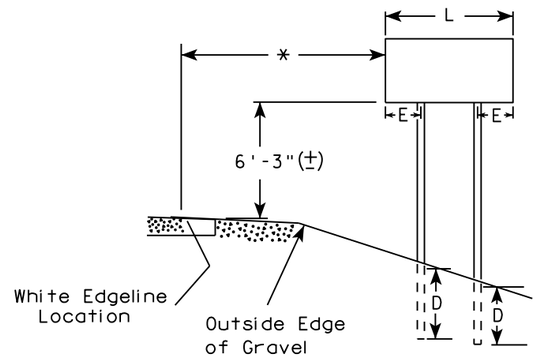
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

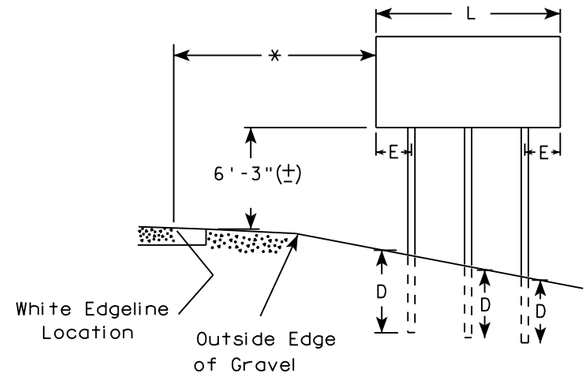
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

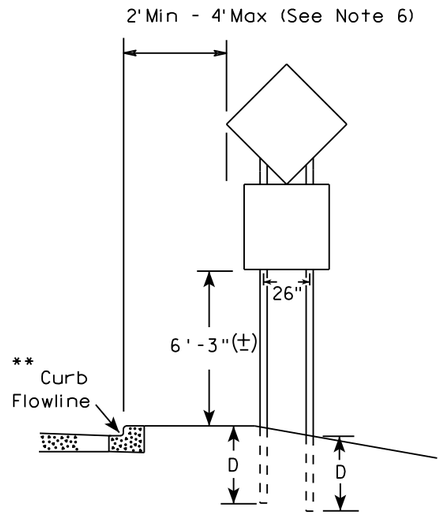
URBAN AREA



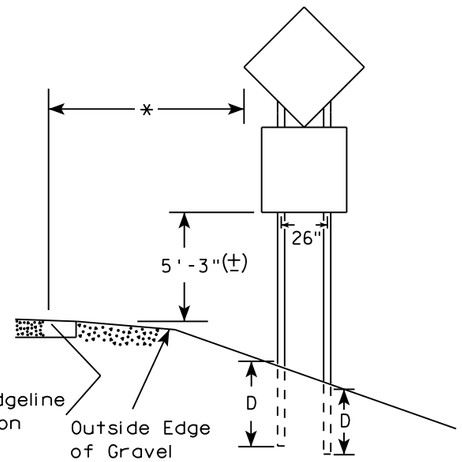
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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. J-Assemblies are considered to be one sign for mounting height.
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 and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

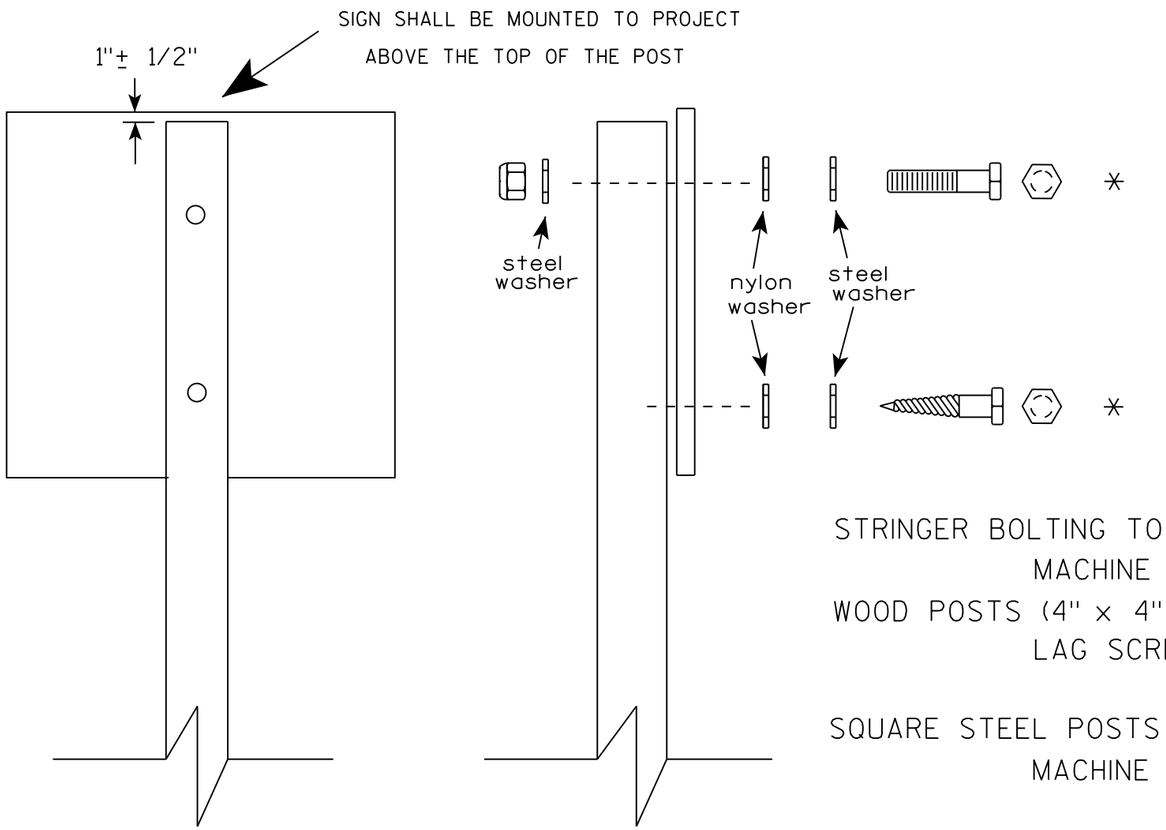
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 475	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

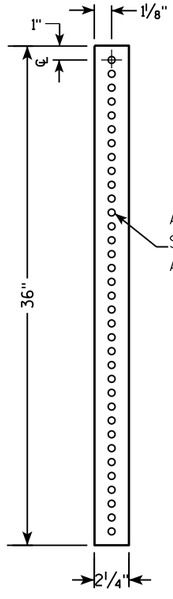
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

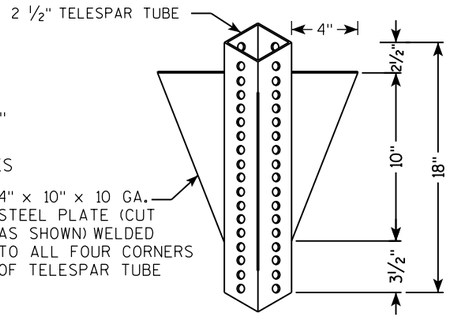
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

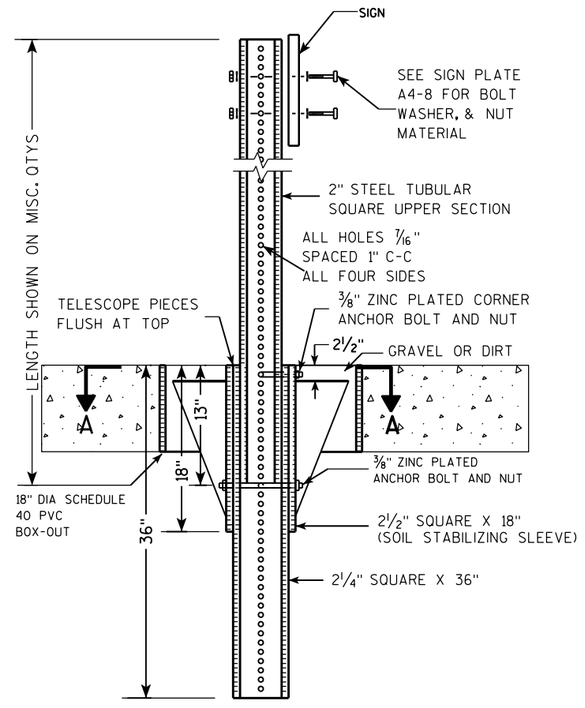
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



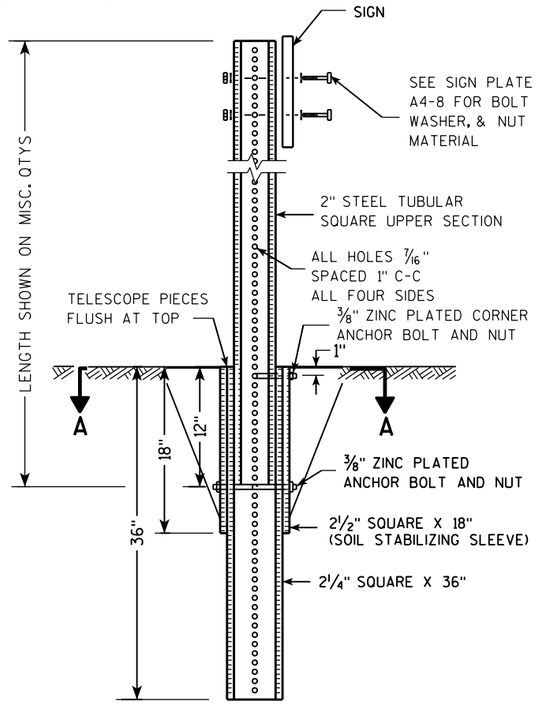
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

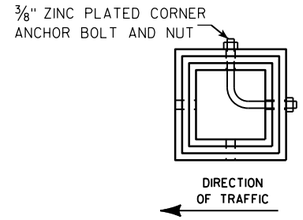


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





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

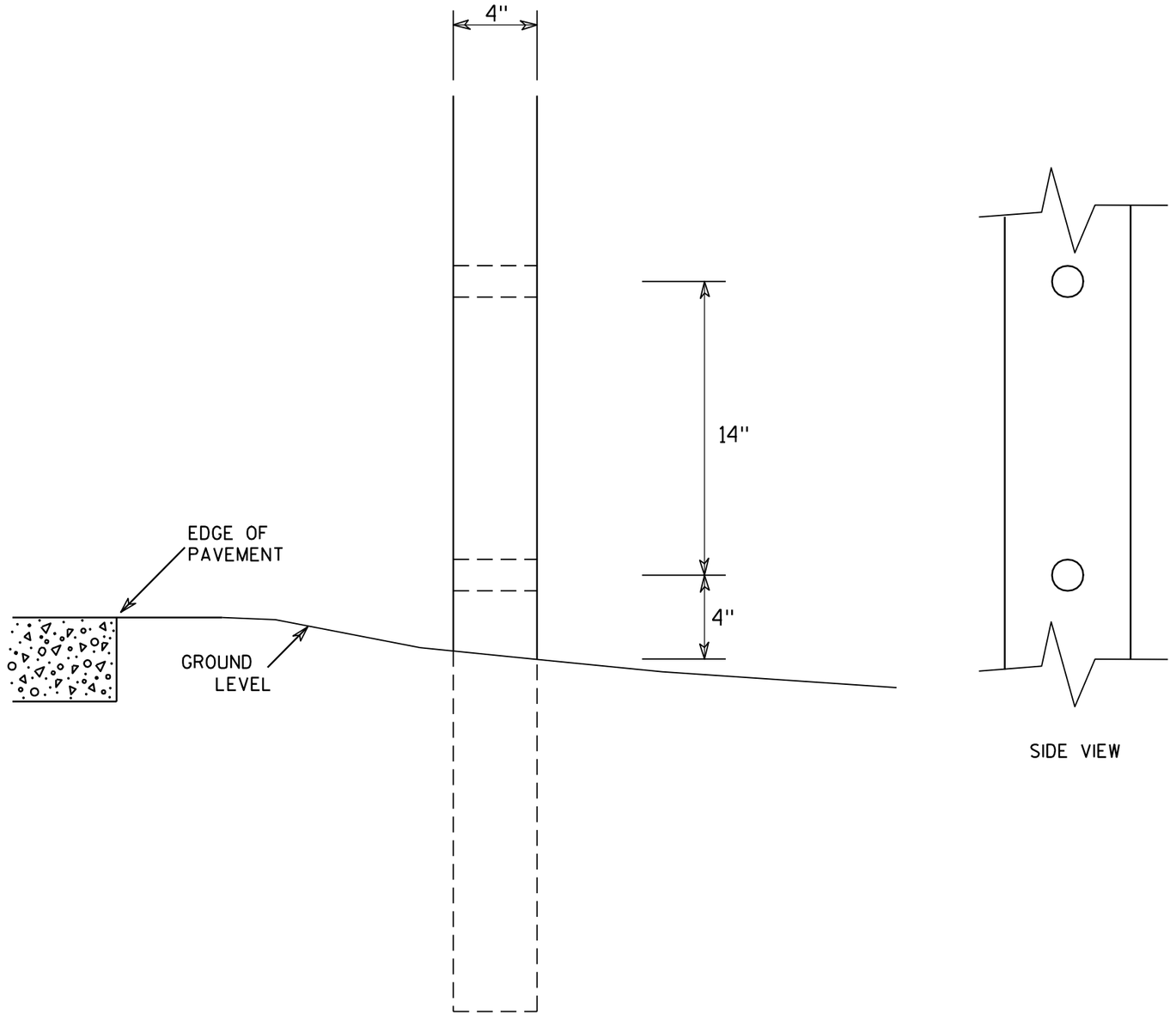
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 477 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

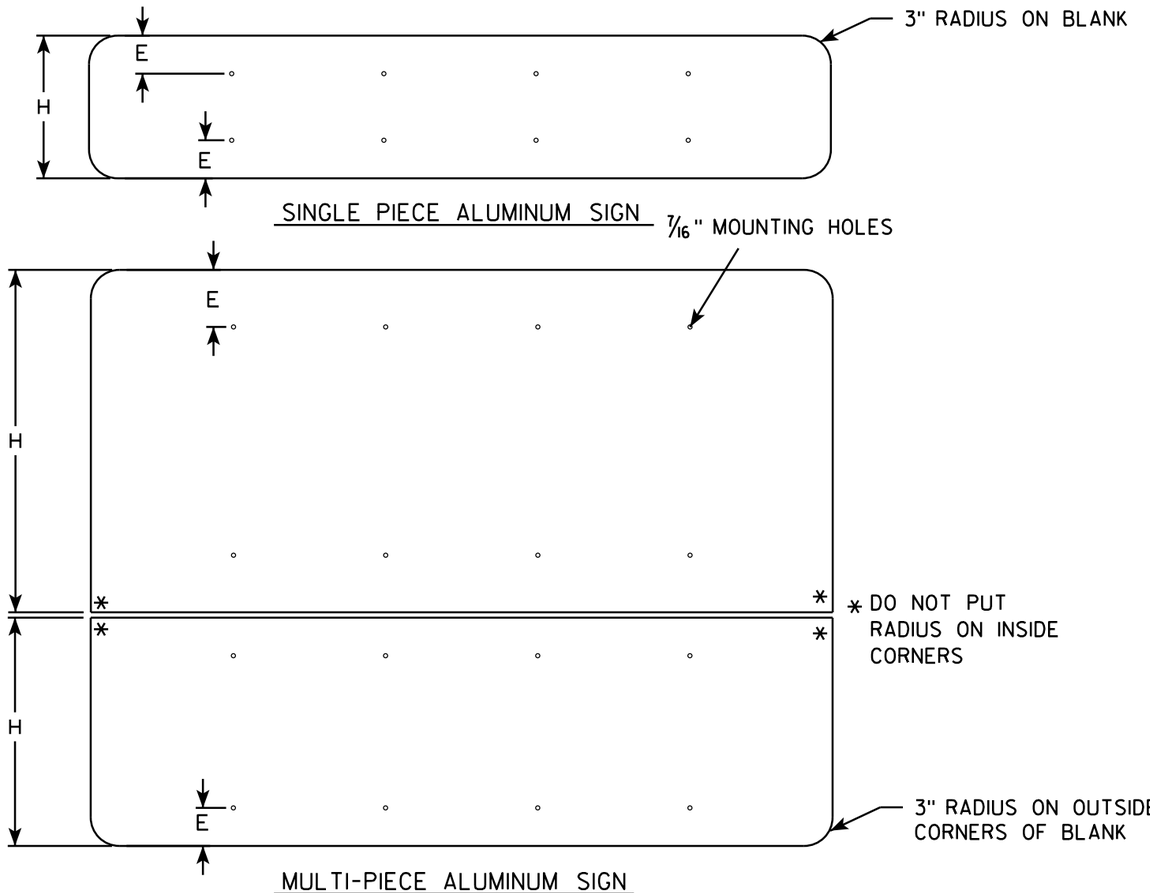
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

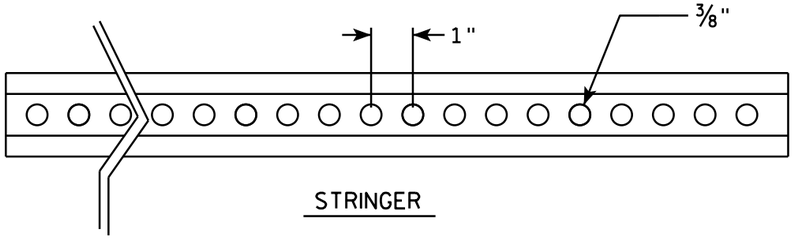
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 478	E



GENERAL NOTES

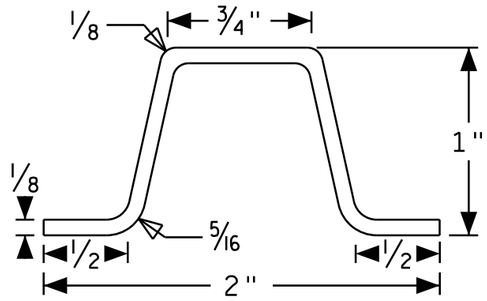
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

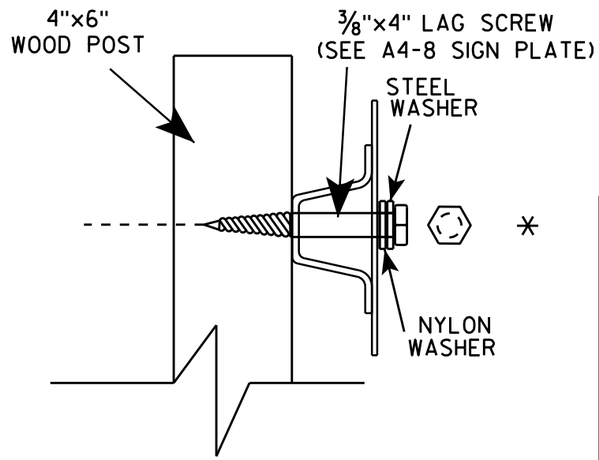


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

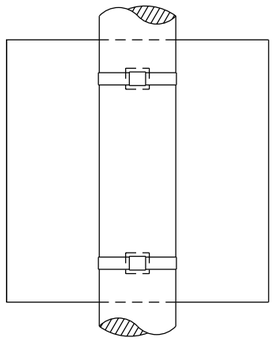
DATE 4/26/16 PLATE NO A4-18.1

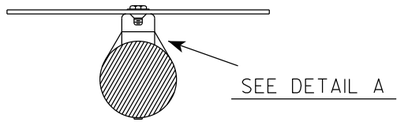
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

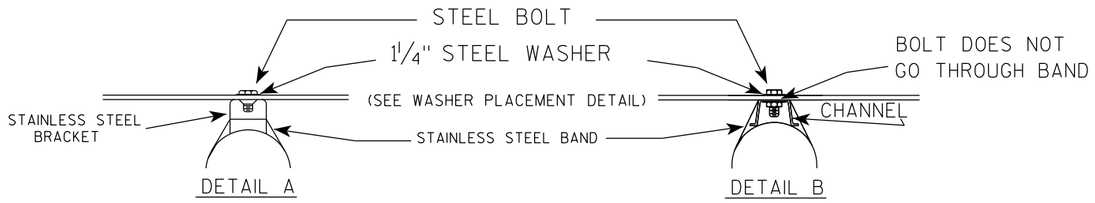
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000

BANDING

SINGLE SIGN



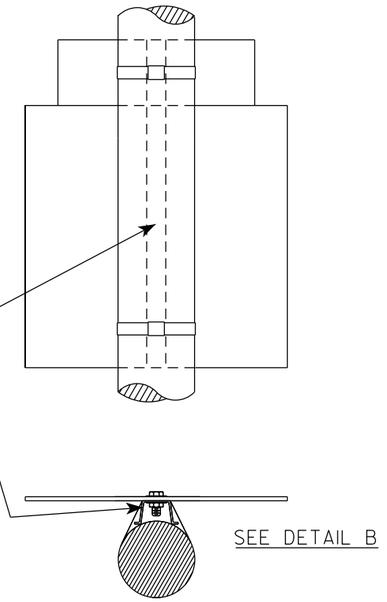




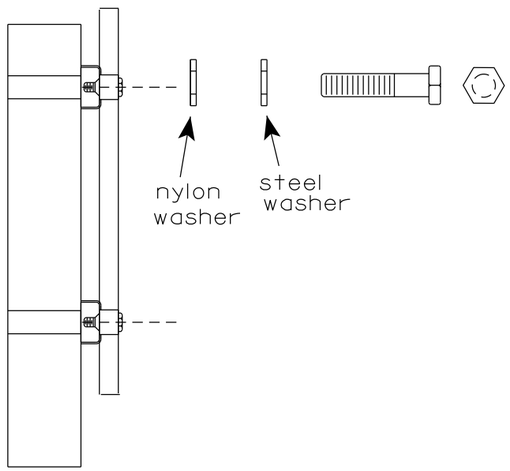
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

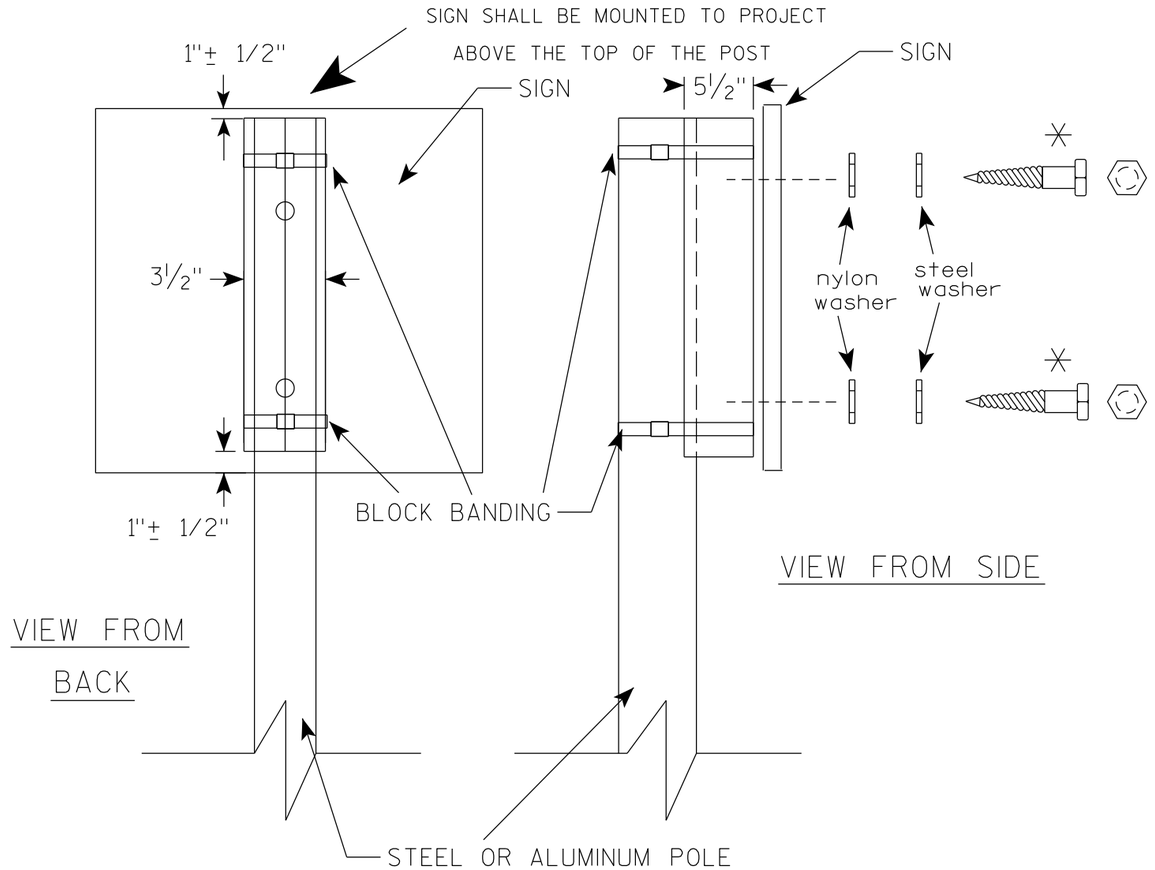
WISCONSIN DEPT OF TRANSPORTATION

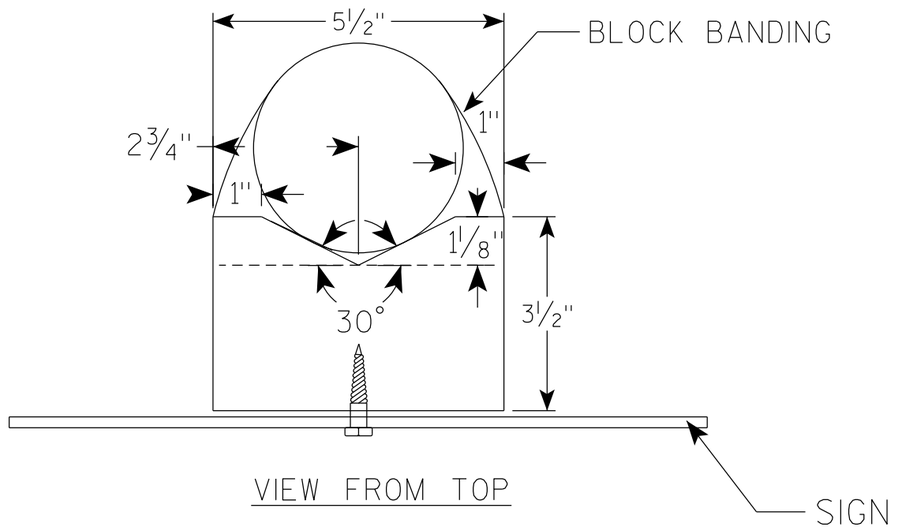
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 480	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





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
   b. 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"

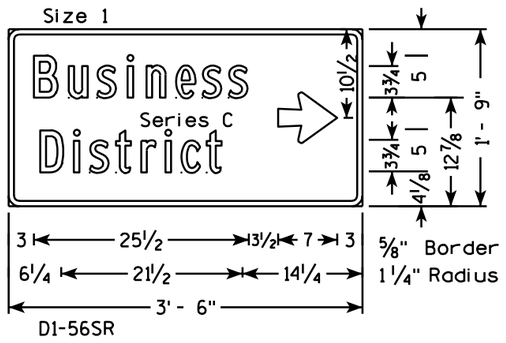
BLOCK BANDING DETAIL (V-BLOCK OPTION)

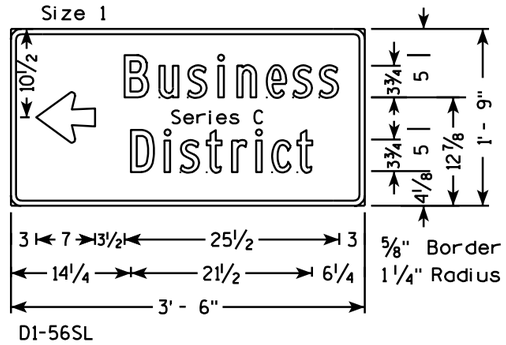
WISCONSIN DEPT OF TRANSPORTATION

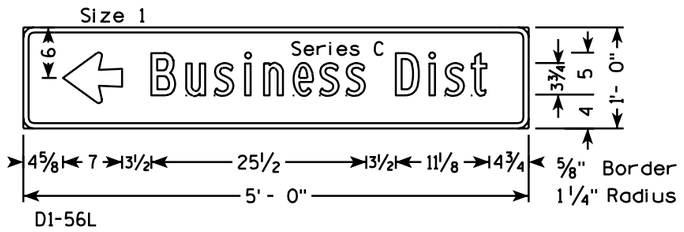
APPROVED Matthew R Rauch
For State Traffic Engineer

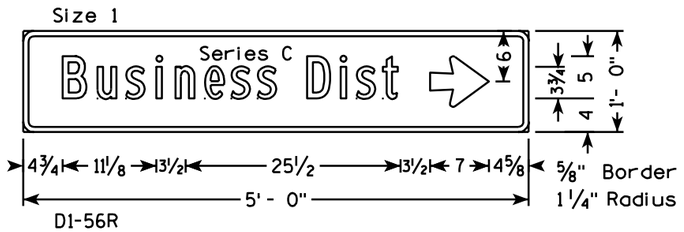
DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 481 | E



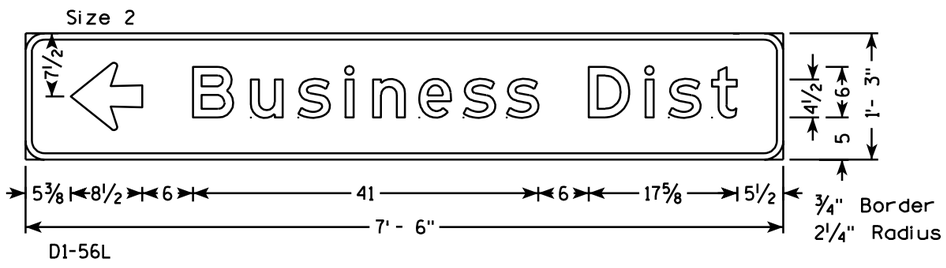


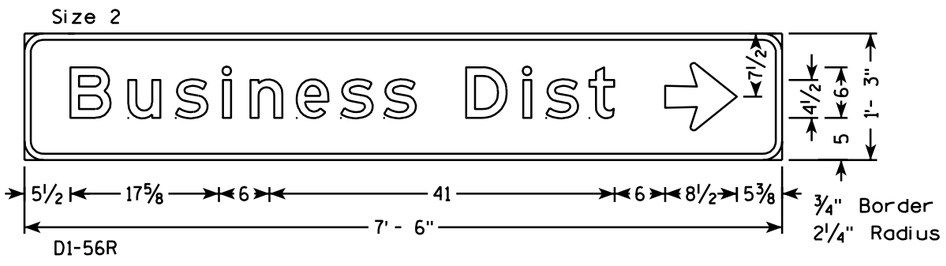


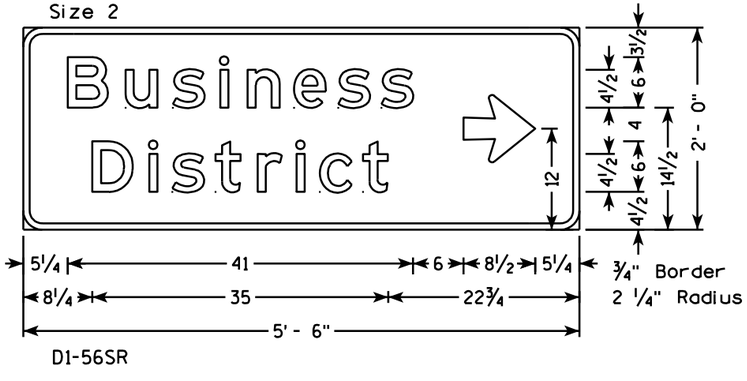


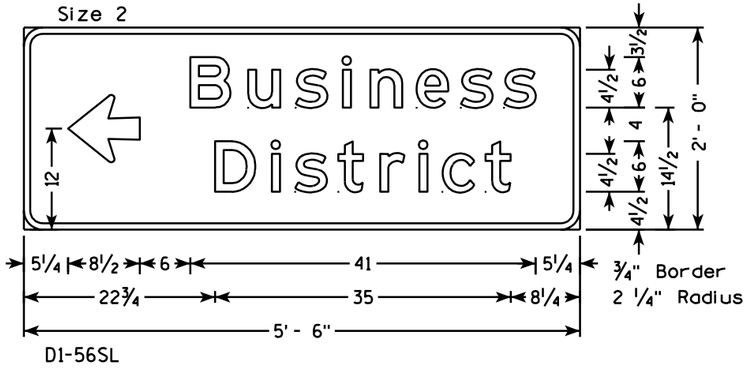
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted
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.









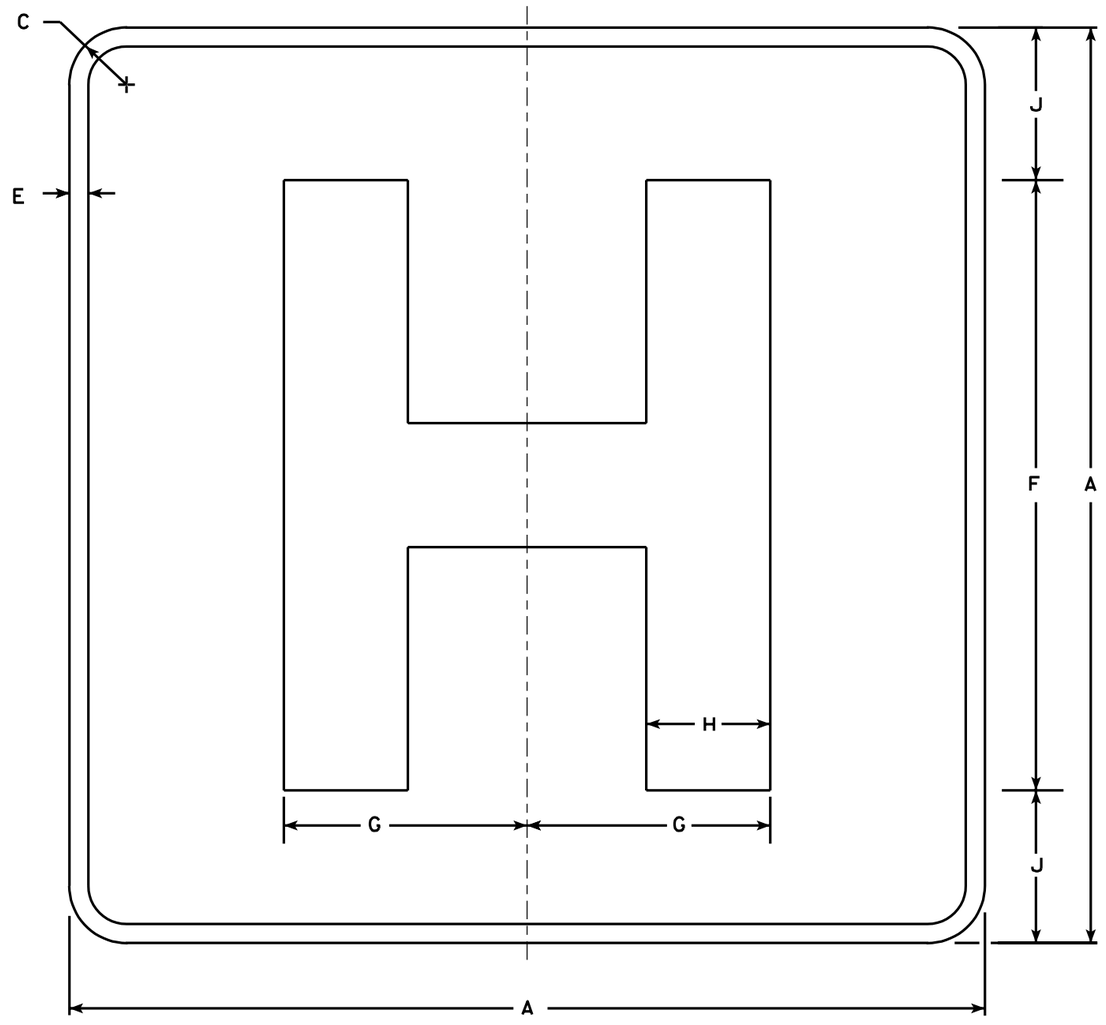
TYPICAL STANDARD
D1-56L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/19/08 PLATE NO. D1-56.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 482	E



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

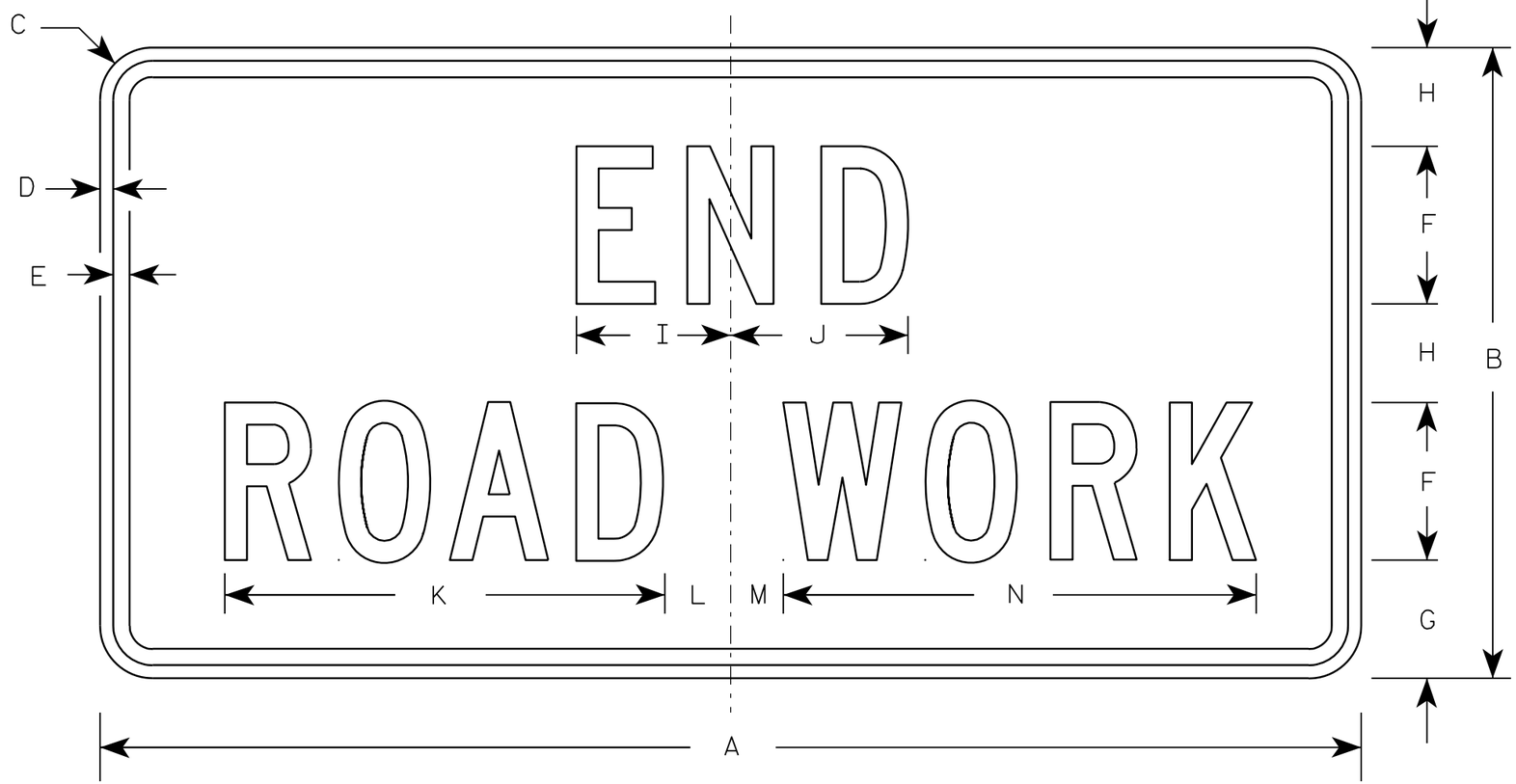
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 483 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

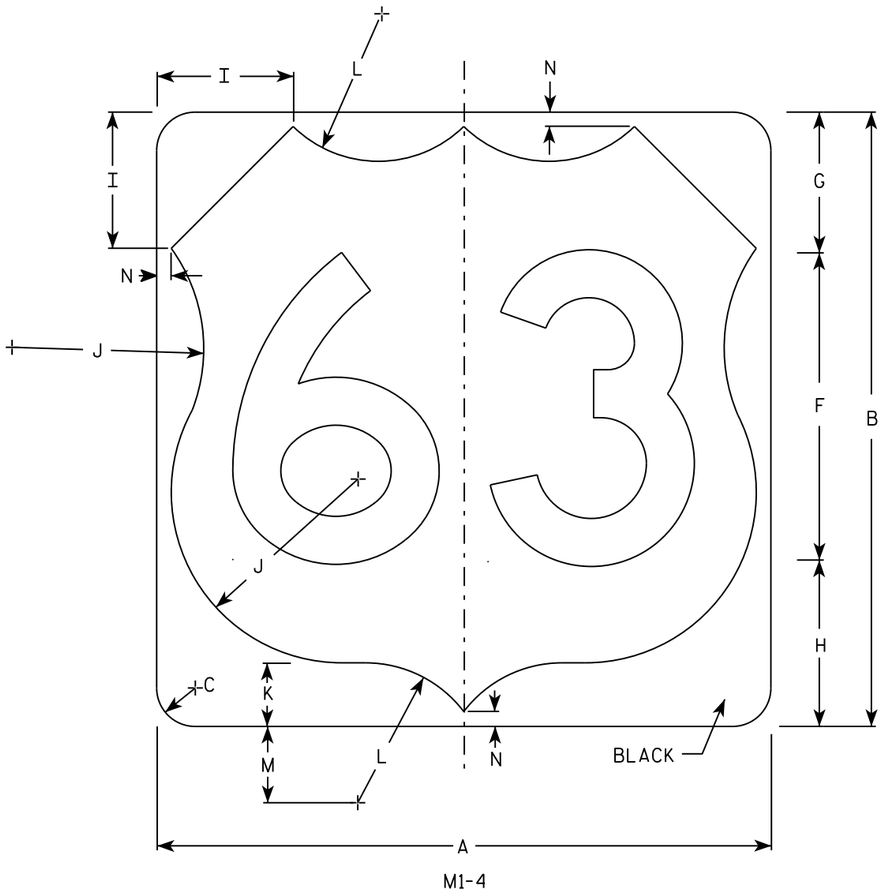
APPROVED Matthew R Rauch
for State Traffic Engineer

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

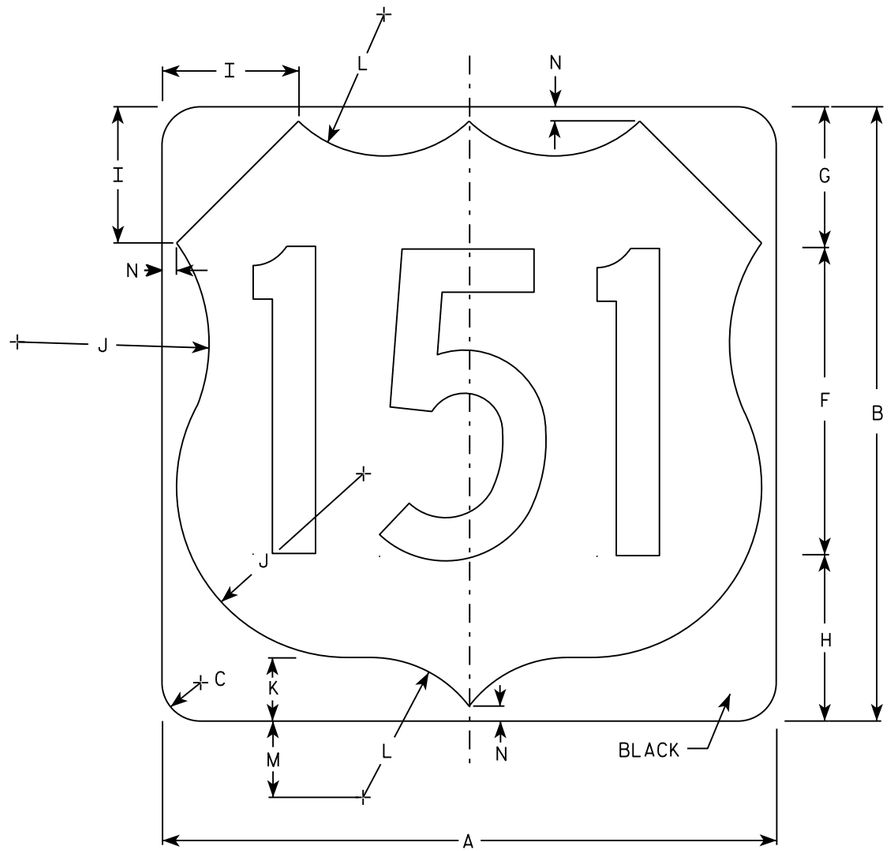
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 484	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M1-4



M1-4

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	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
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
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
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

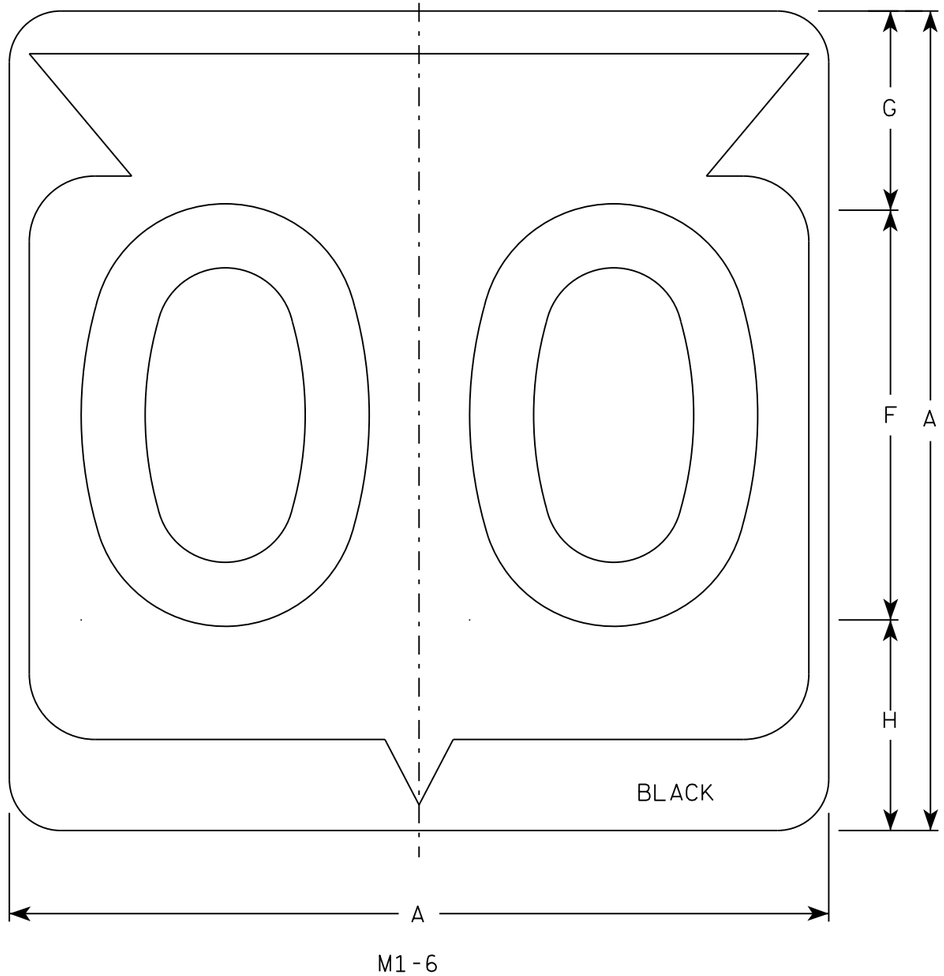
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

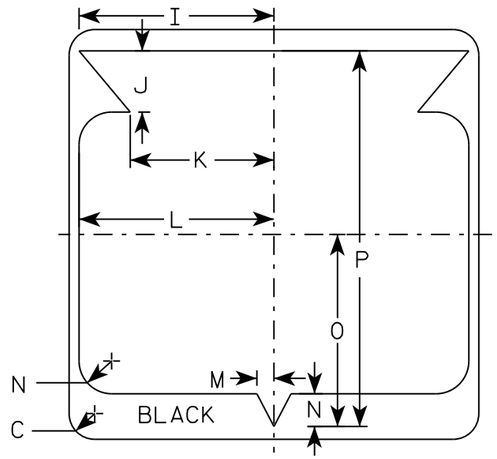
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 485	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

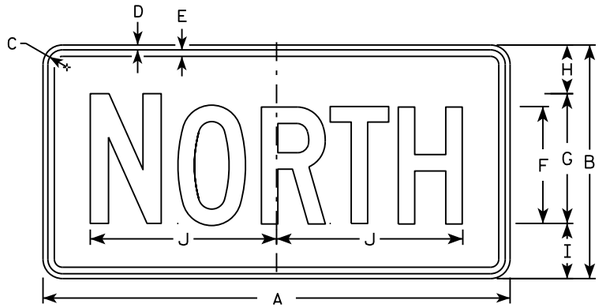
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

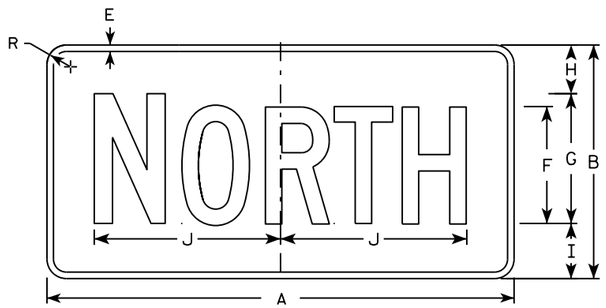
APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 486	E



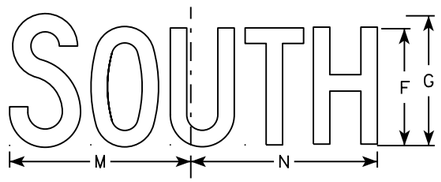
M3-1
MM3-1
MP3-1



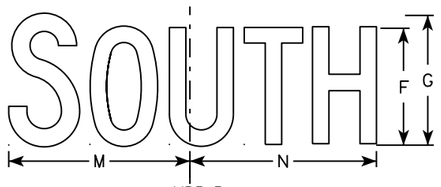
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

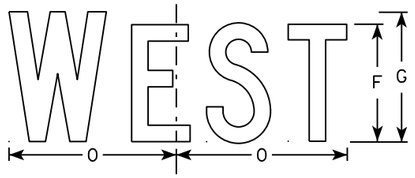
MB3-2
MK3-2
MN3-2



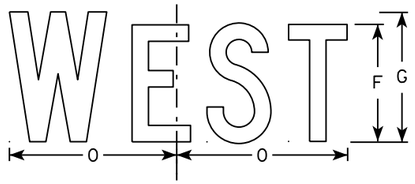
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

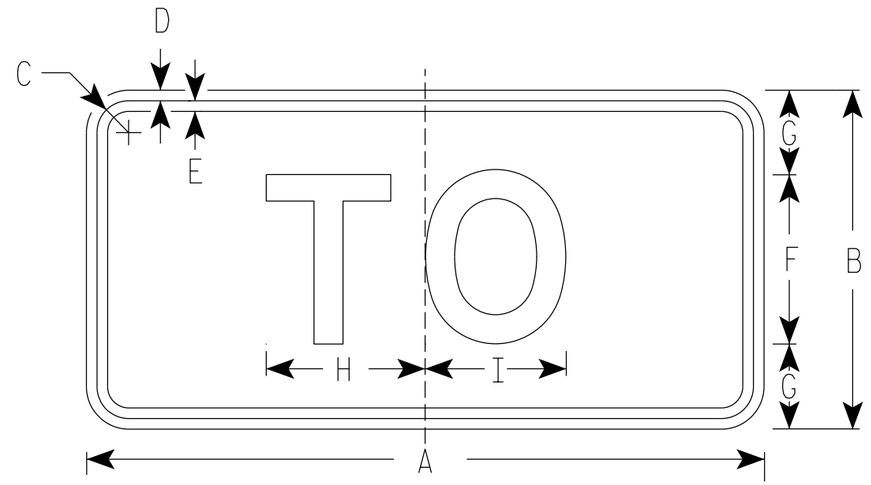
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

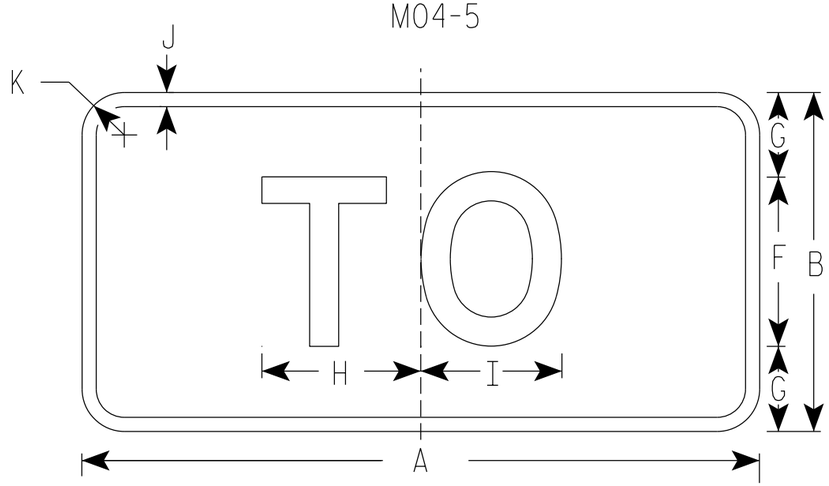
DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   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	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

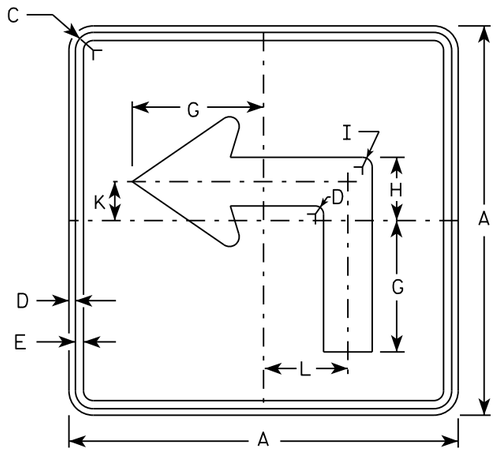
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

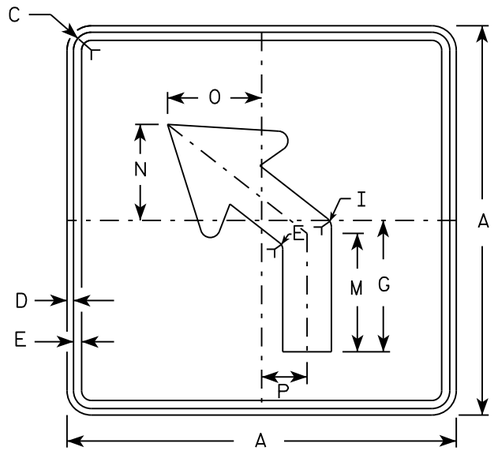
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

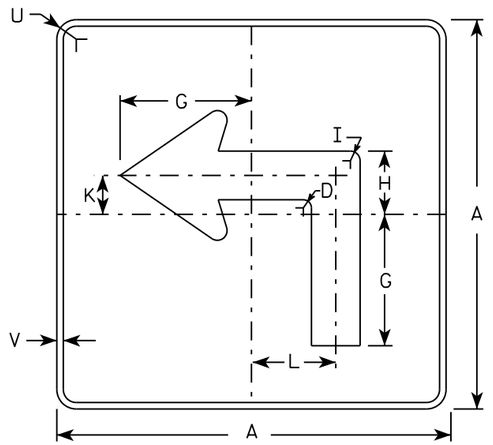
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 488 | E



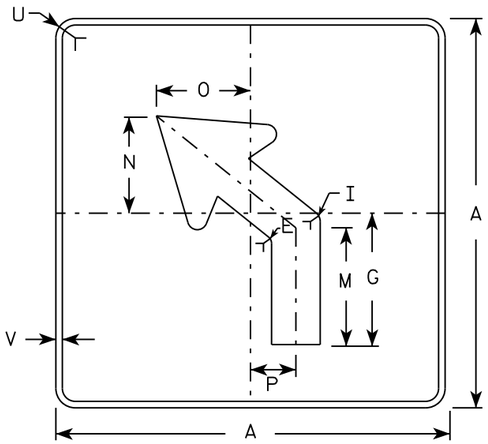
M5-1L
MM5-1L
MO5-1L
MP5-1L



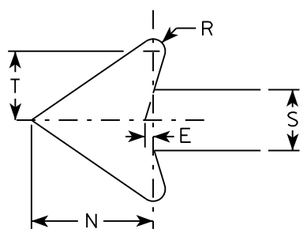
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective 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. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   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
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 7/8	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 7/8	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 7/8	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

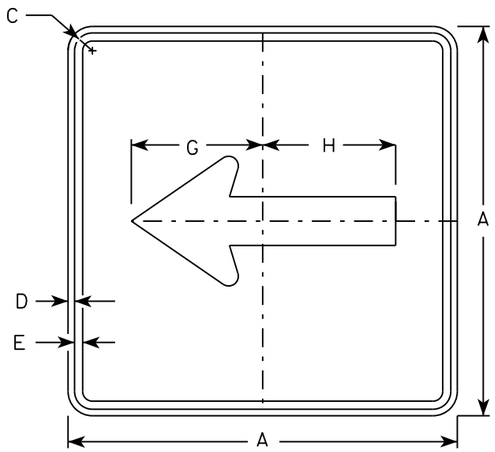
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

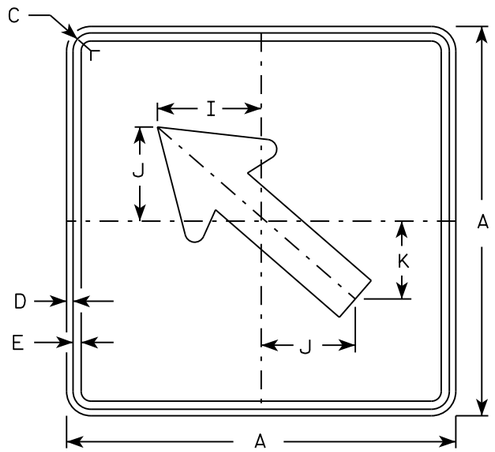
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



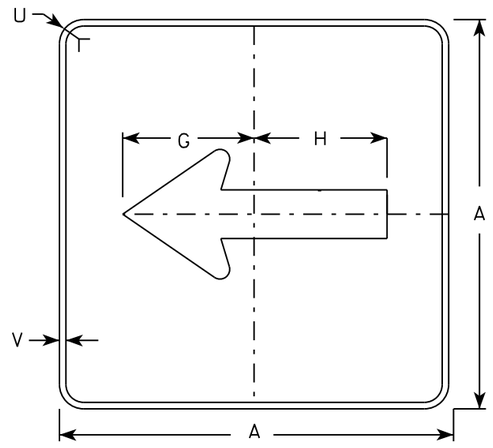
M6-1
MM6-1
MO6-1
MP6-1



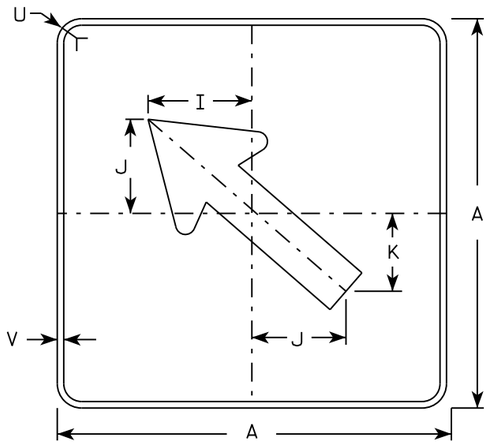
M6-2
MM6-2
MO6-2
MP6-2

NOTES

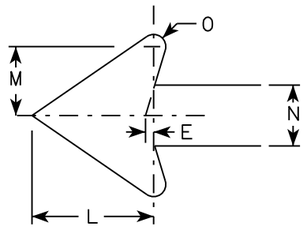
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

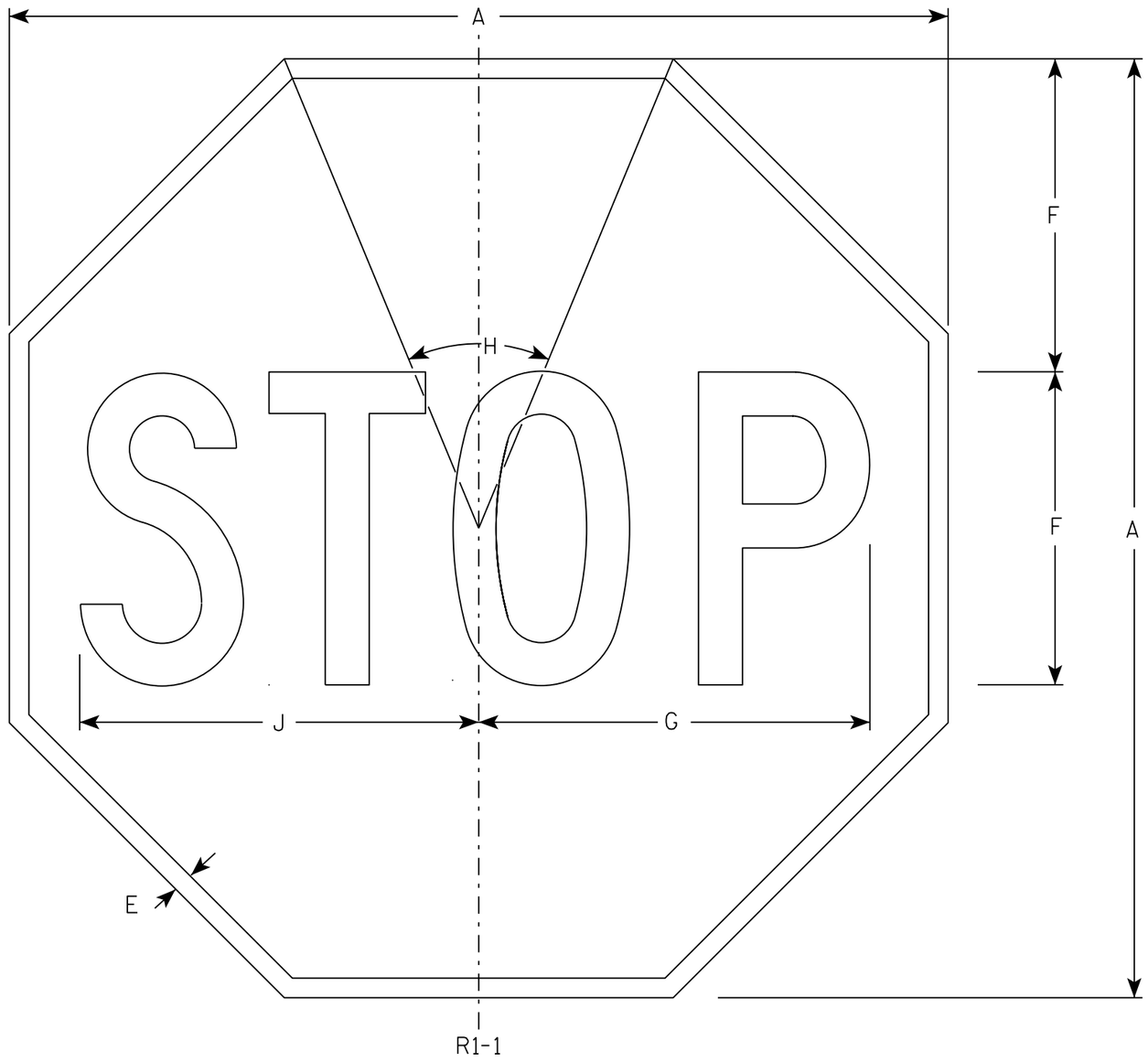
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 490 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

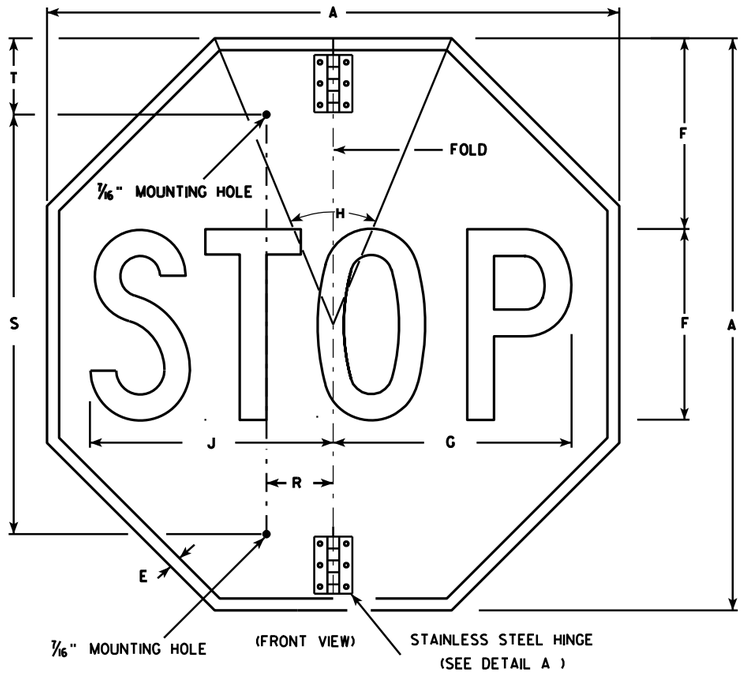
WISCONSIN DEPT OF TRANSPORTATION

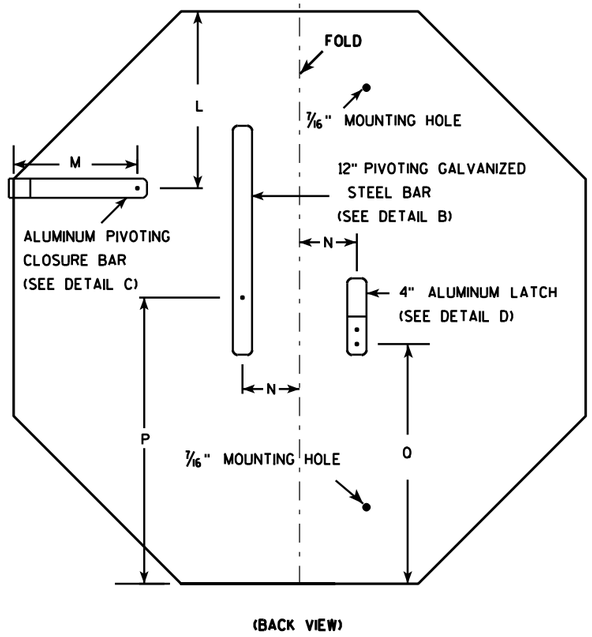
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

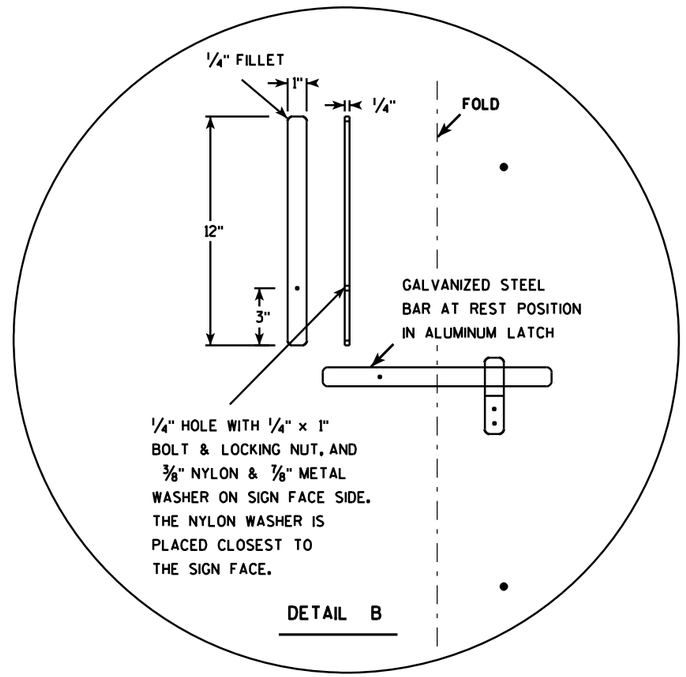
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 491	E

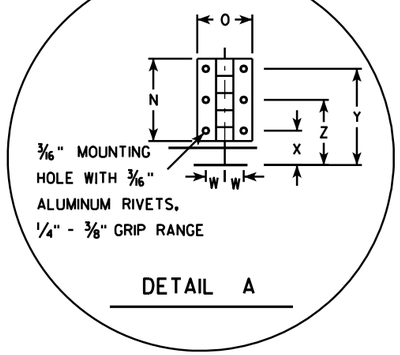


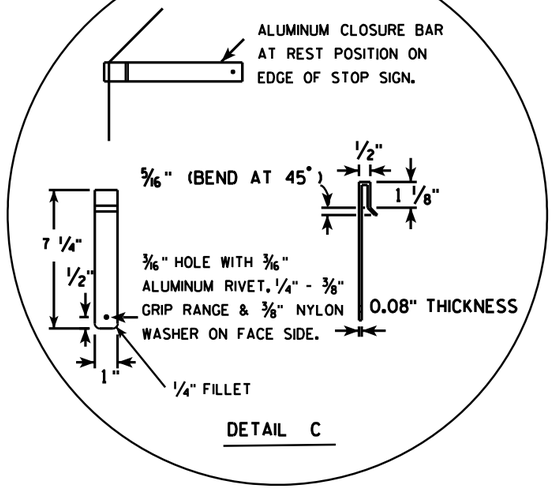


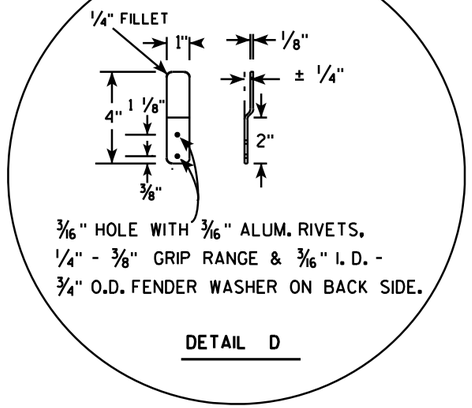
NOTES

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

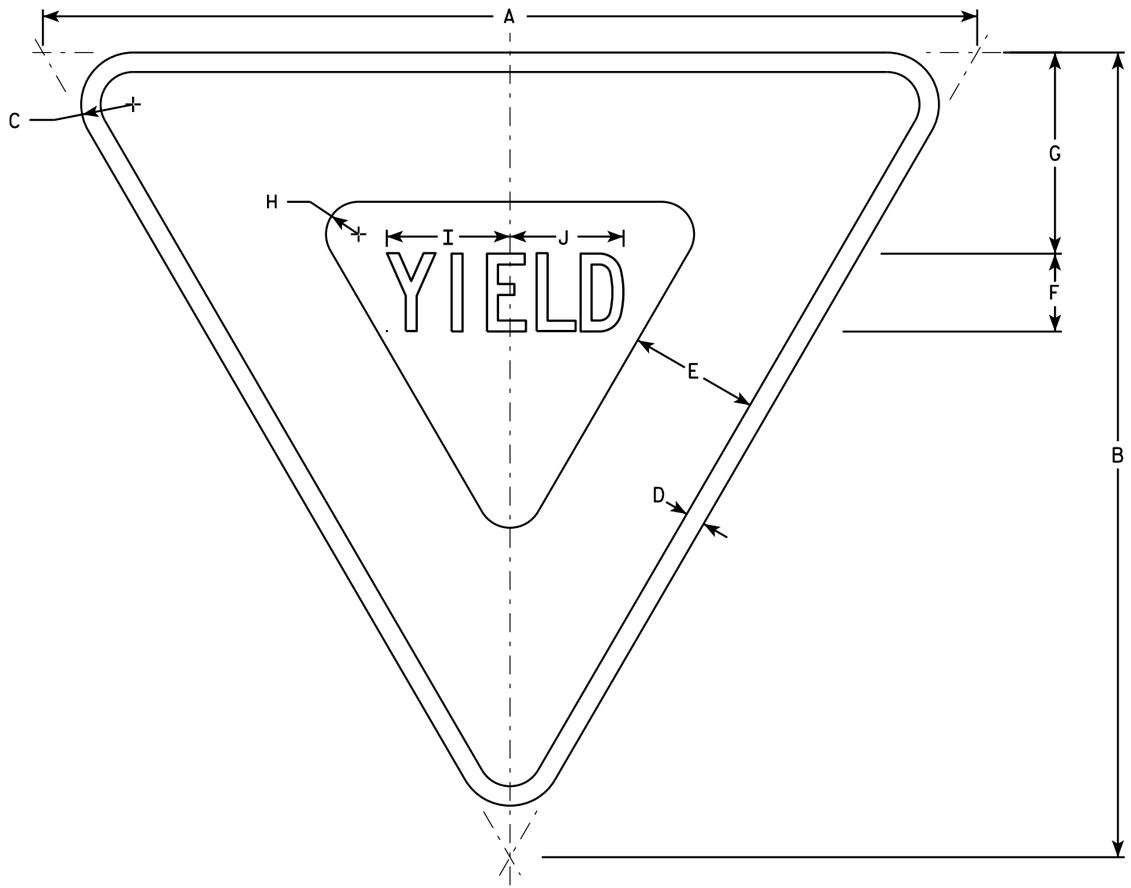
STANDARD SIGN
R1-1F

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: 492 | E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

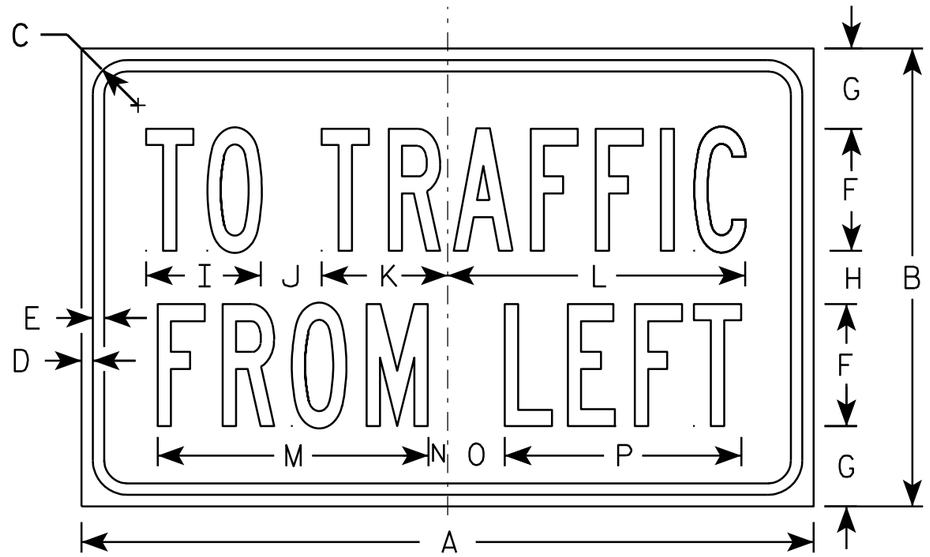
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R1-54

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - B

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	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

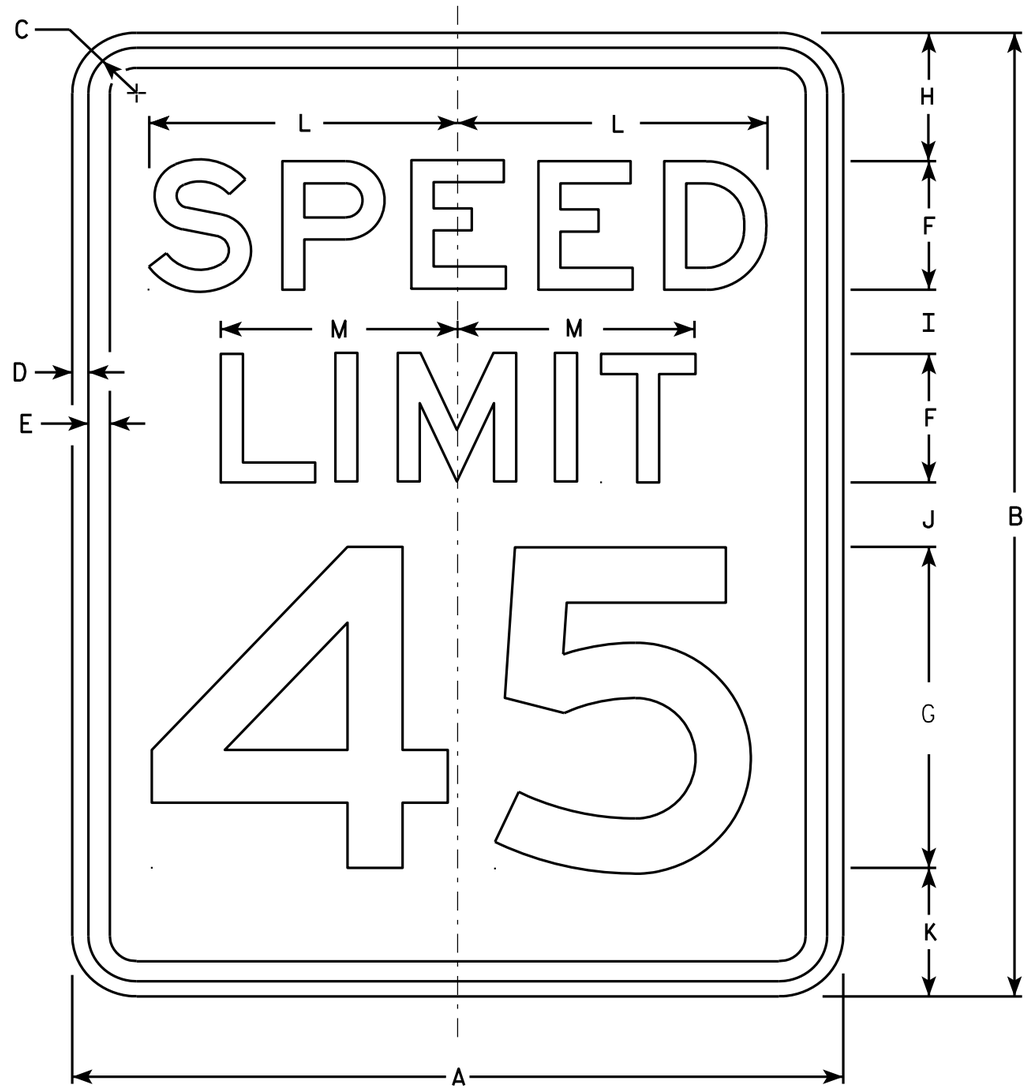
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 494	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

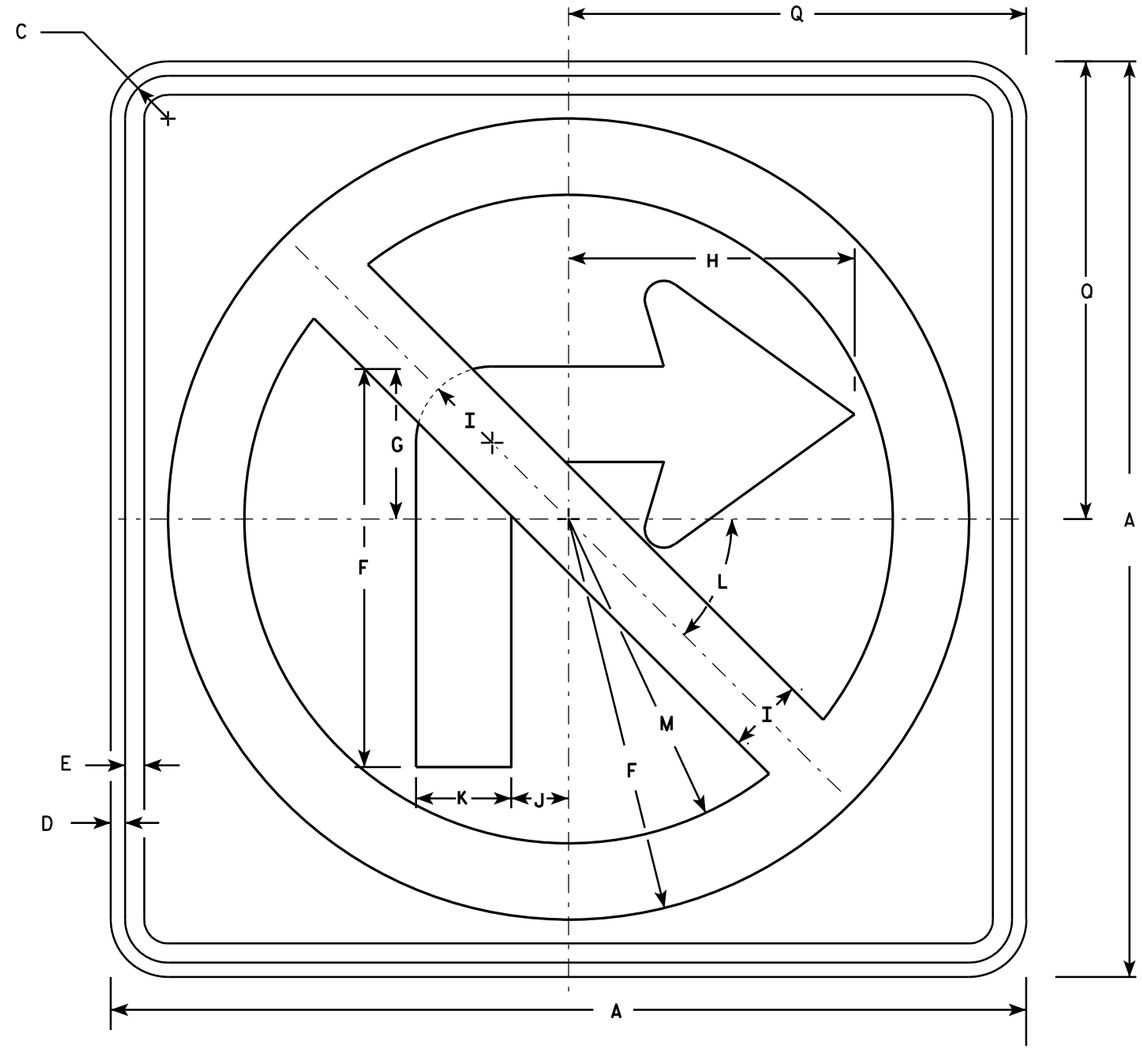
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

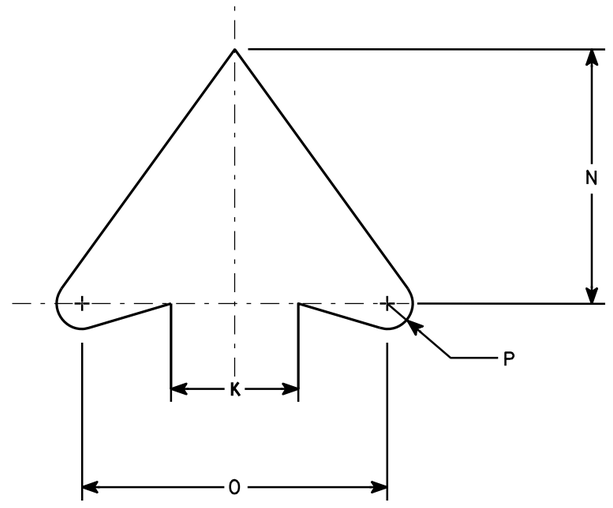
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 495	E



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

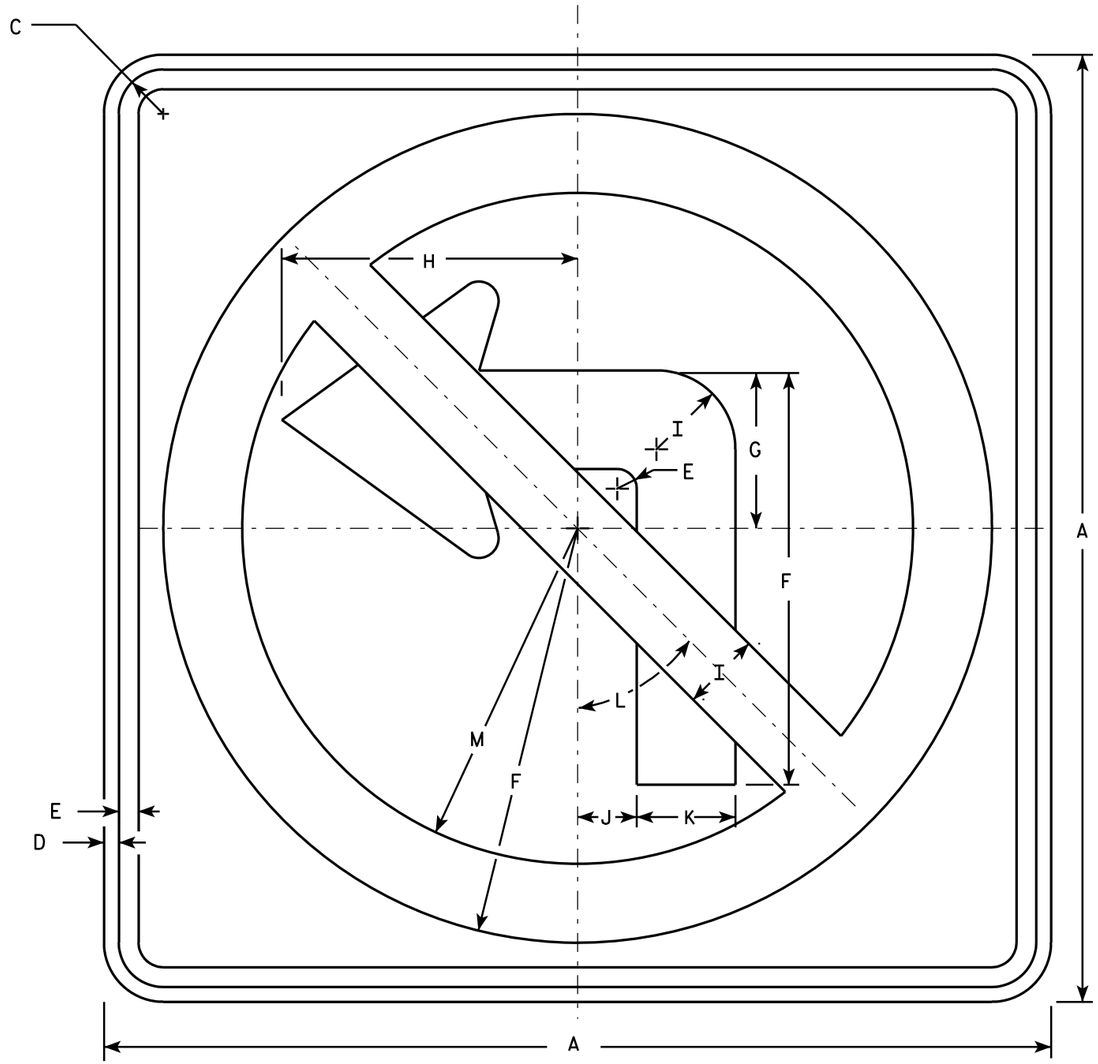
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

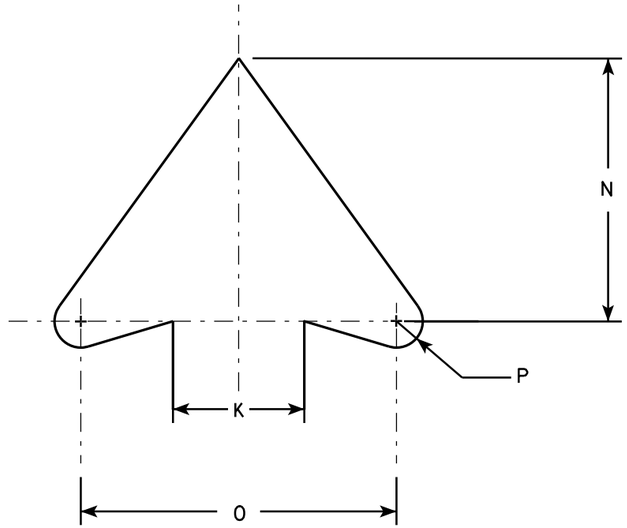
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 496	E



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

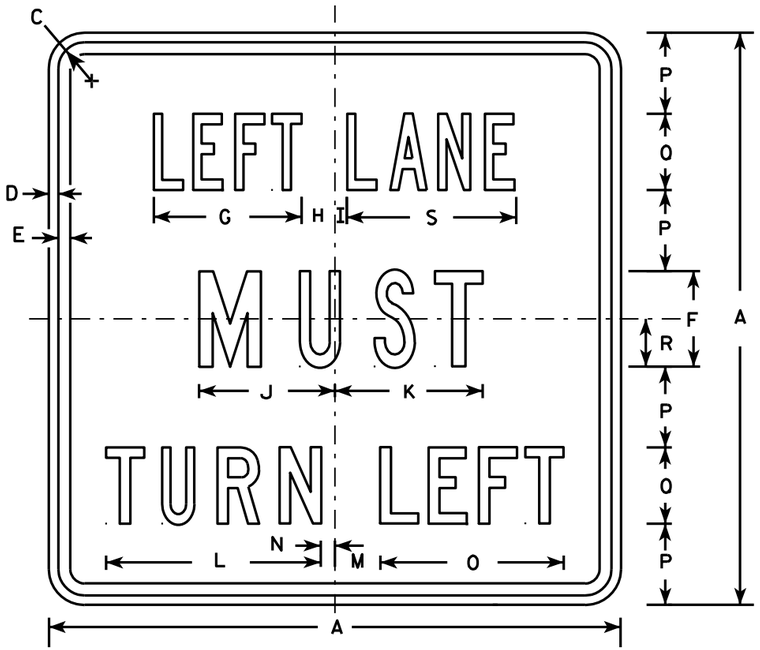
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

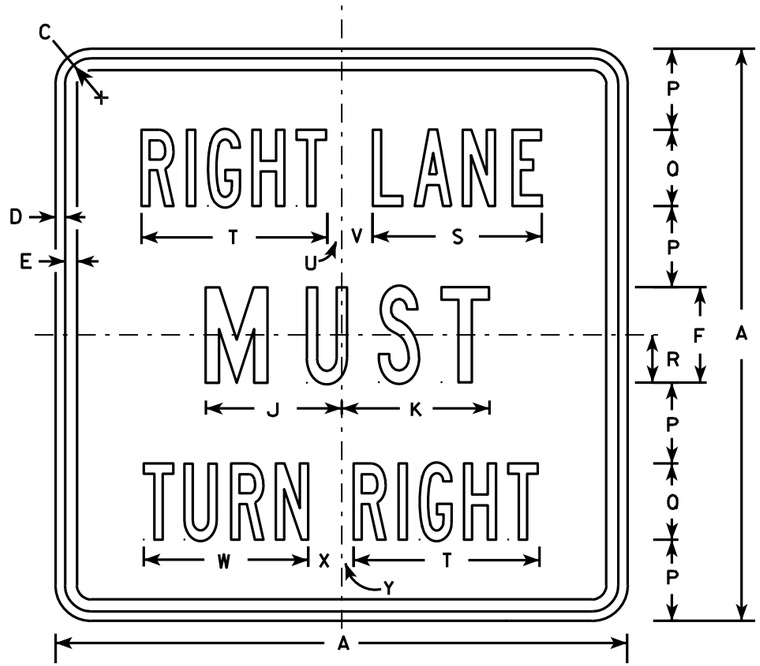
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 497	E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

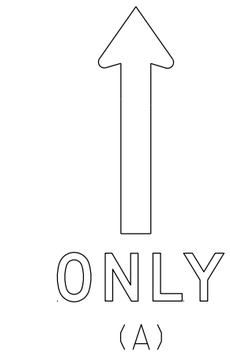
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

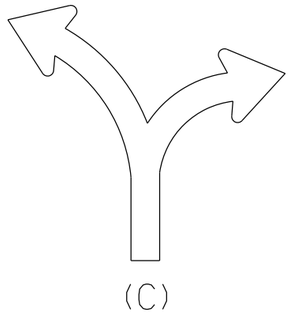
DATE 3/18/2011 PLATE NO. R3-7.3

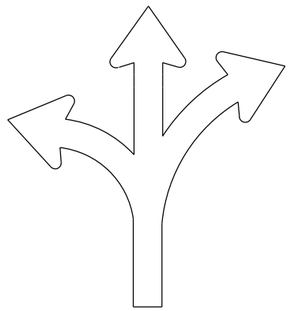
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 498 | E

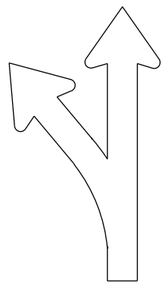


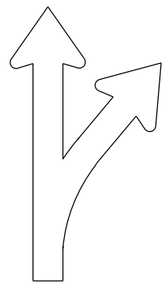
(A)

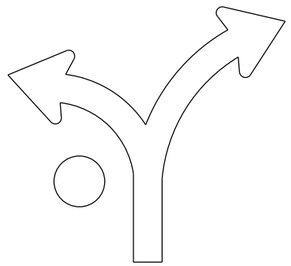
(B)

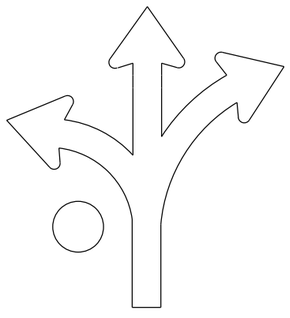

(C)

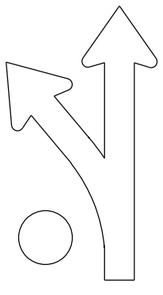

(D)


(E)

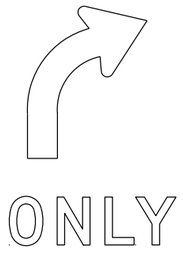

(F)


(G)

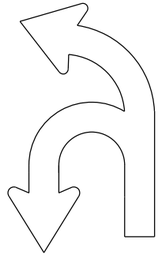

(H)


(I)

(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

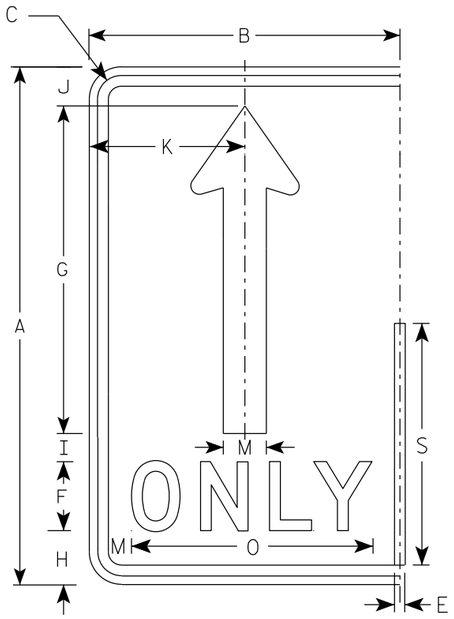
7

PROJECT NO:

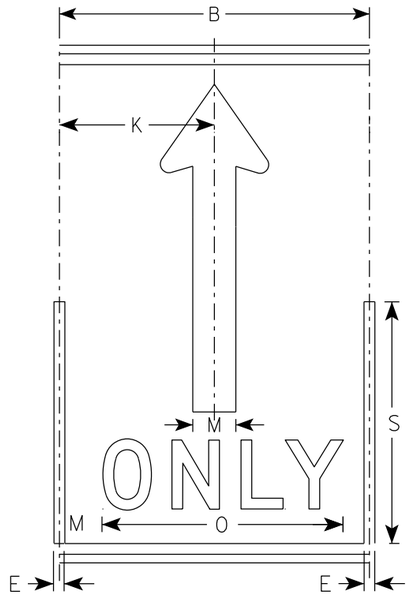
SHEET NO: 499 E

NOTES

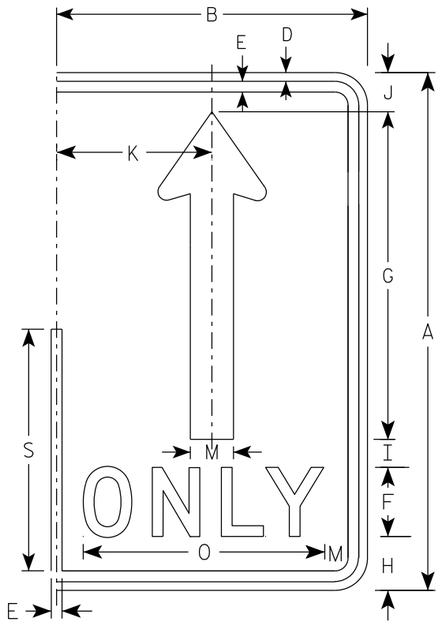
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



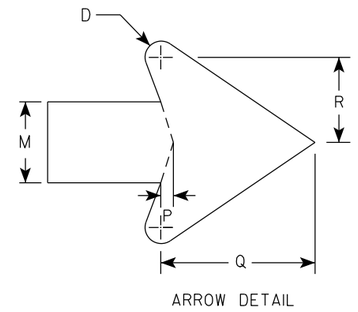
(A)



(A)



(A)



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	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

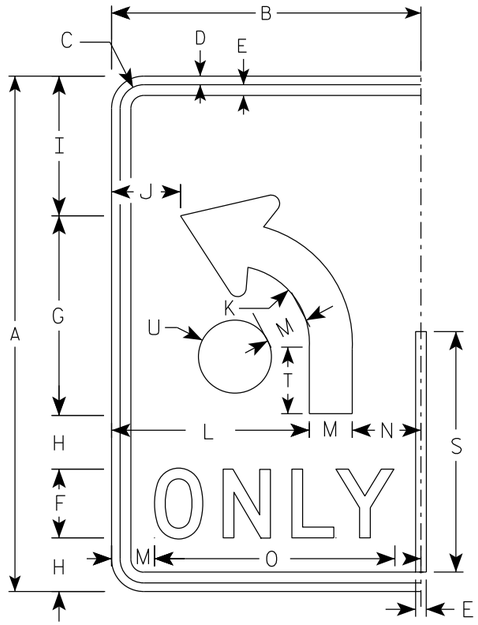
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

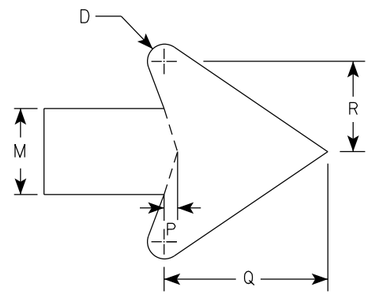
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 500 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



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	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

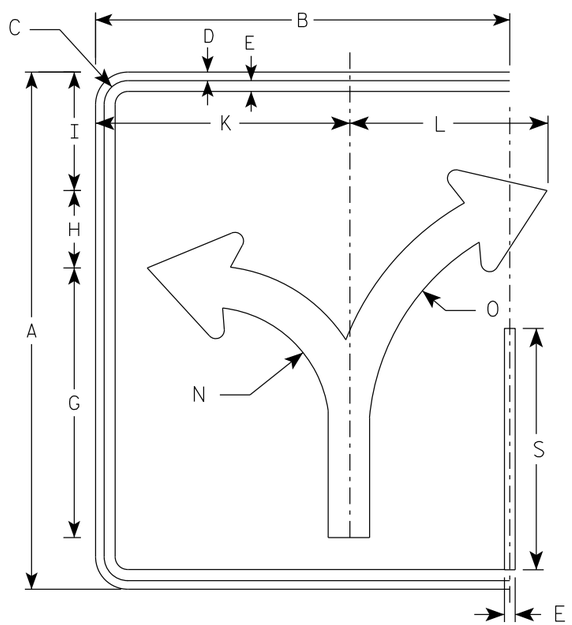
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

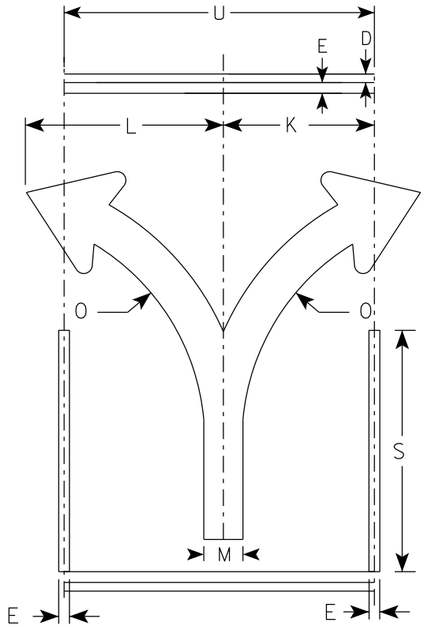
SHEET NO: 501 E

NOTES

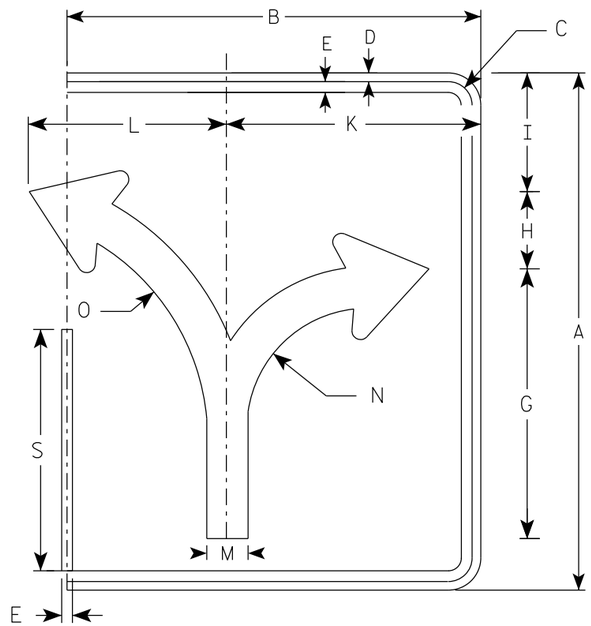
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



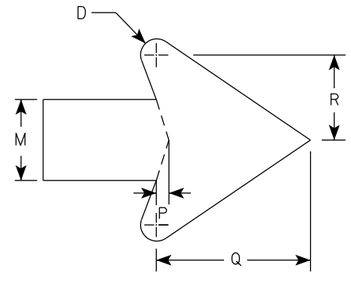
(C)



(C)



(C)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

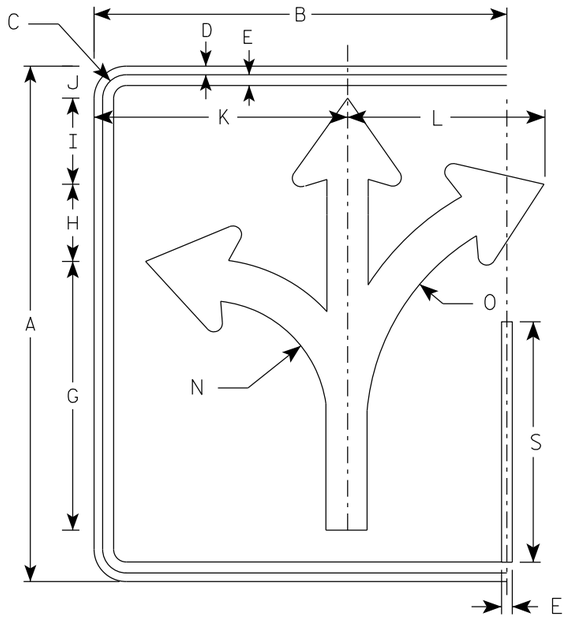
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

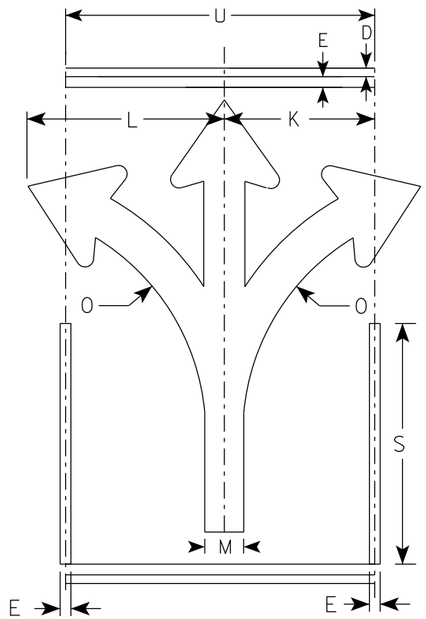
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 502 | E

NOTES

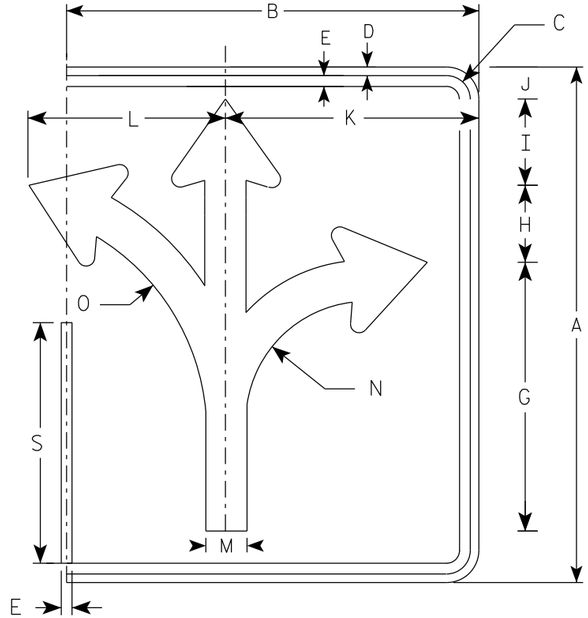
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



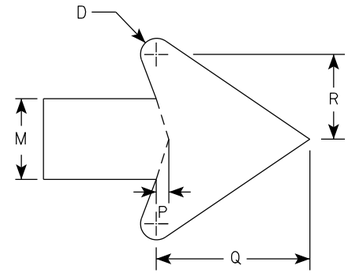
(D)



(D)



(D)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

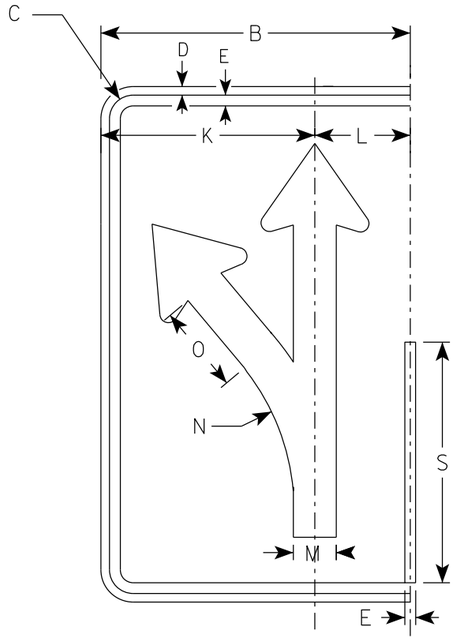
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 503 | E

7

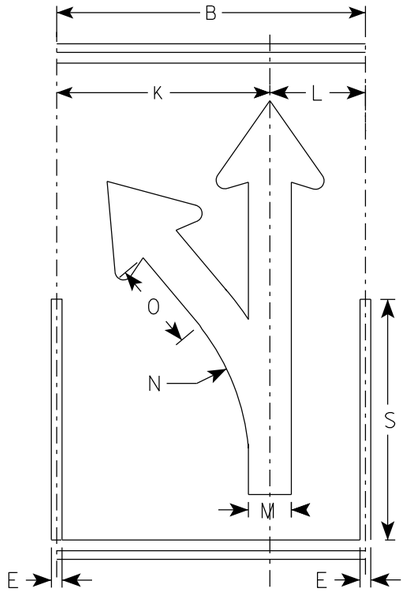
7

NOTES

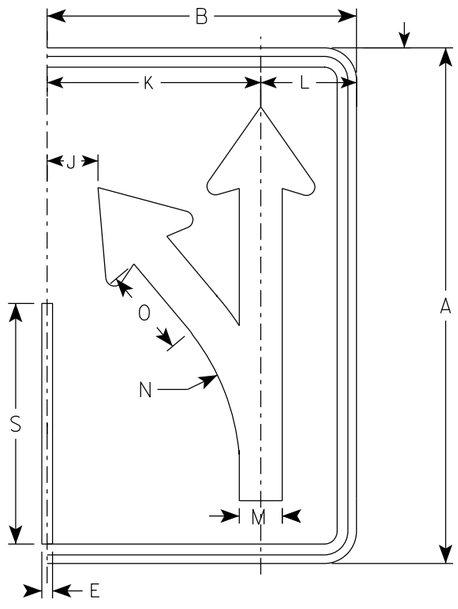
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



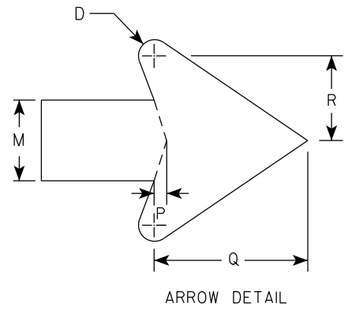
(E)



(E)



(E)



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	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

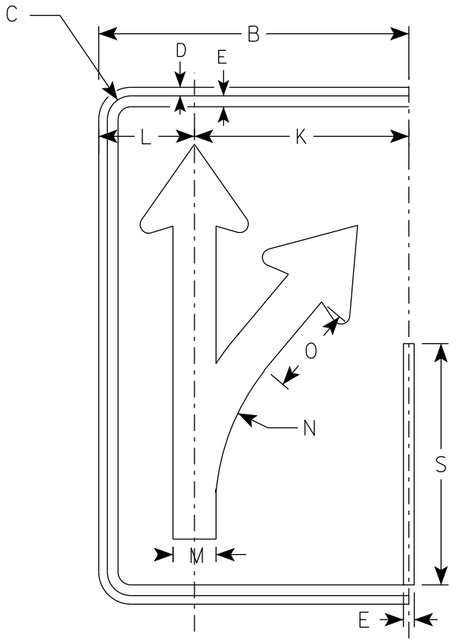
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

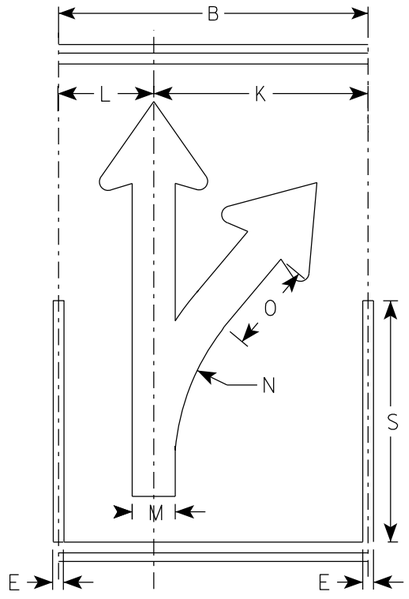
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 504 | E

NOTES

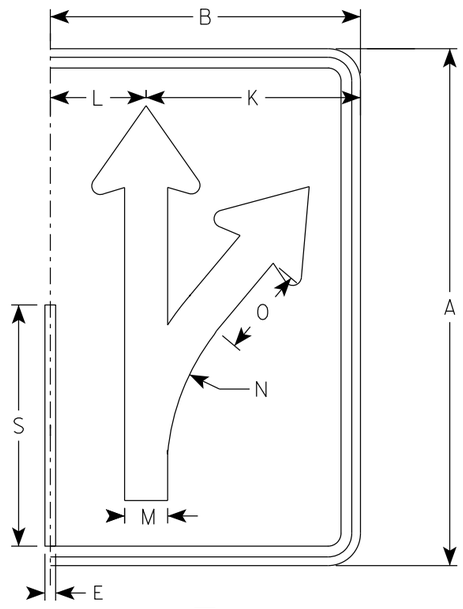
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



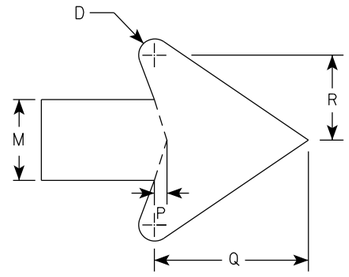
(F)



(F)



(F)



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	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

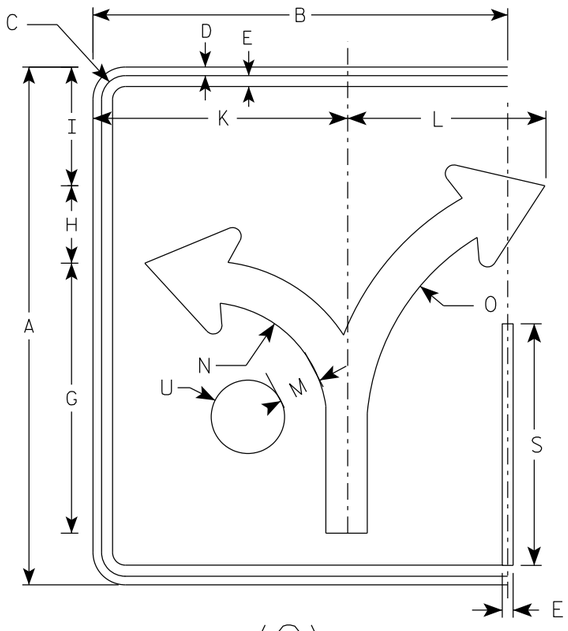
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

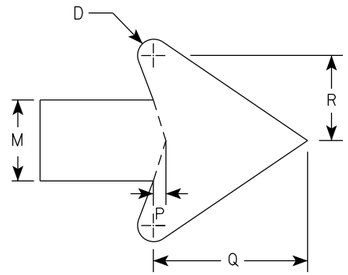
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 505 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



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	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

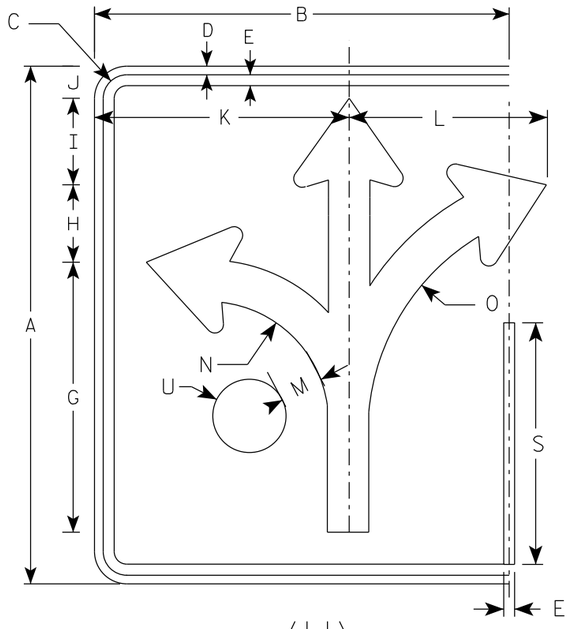
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 506	E

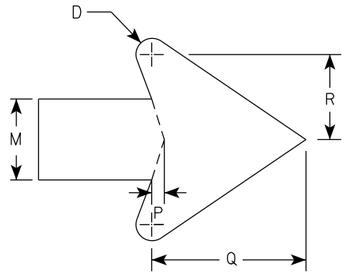
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



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	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

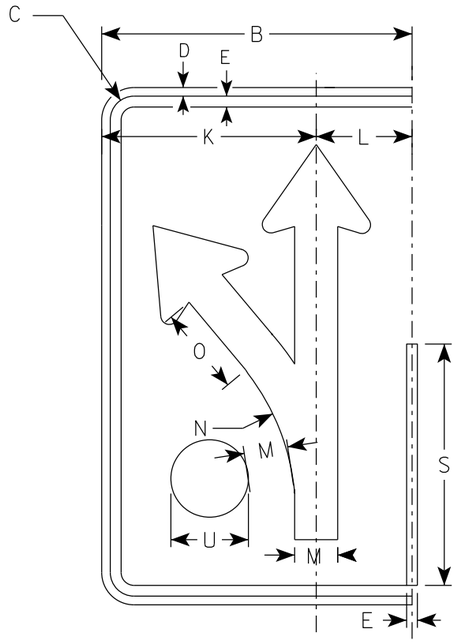
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

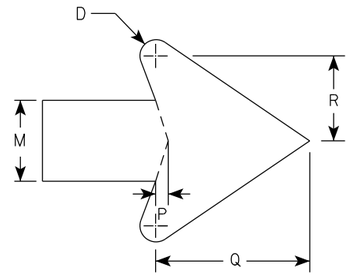
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 507	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



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	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

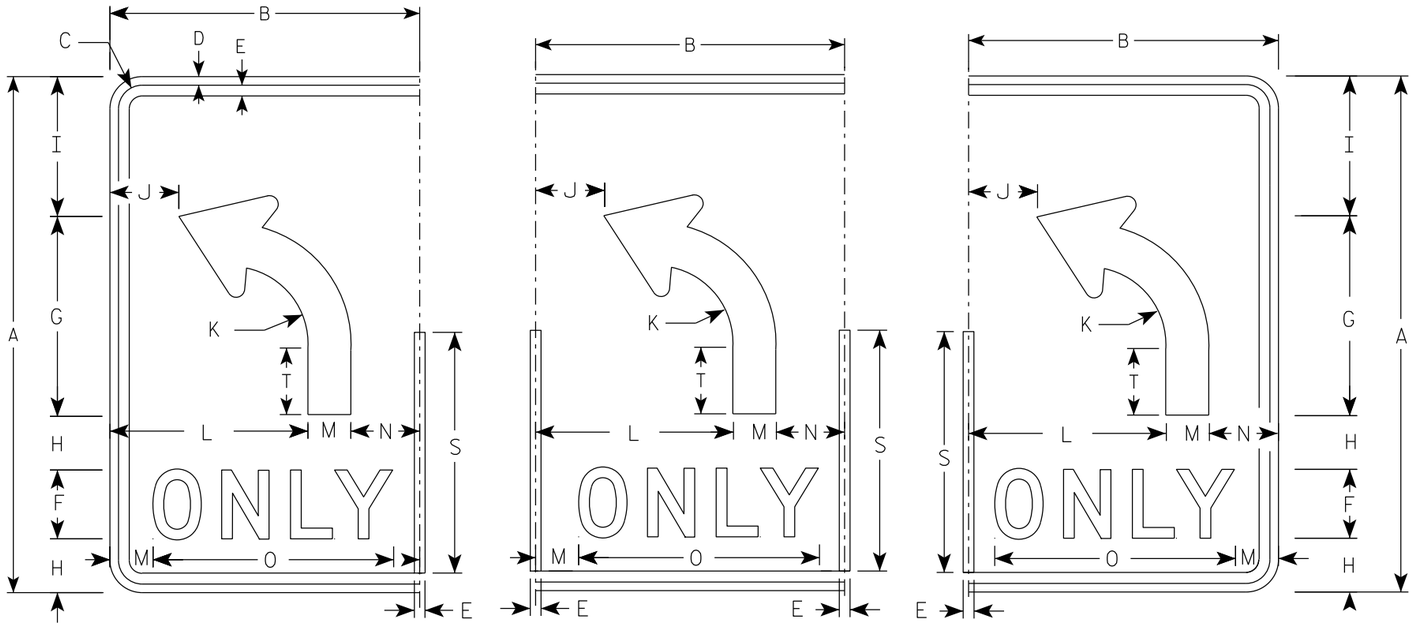
APPROVED Matthew R Rauch
For State Traffic Engineer

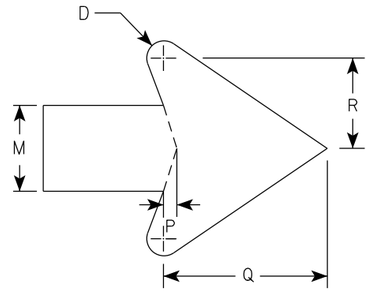
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 508 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D





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	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

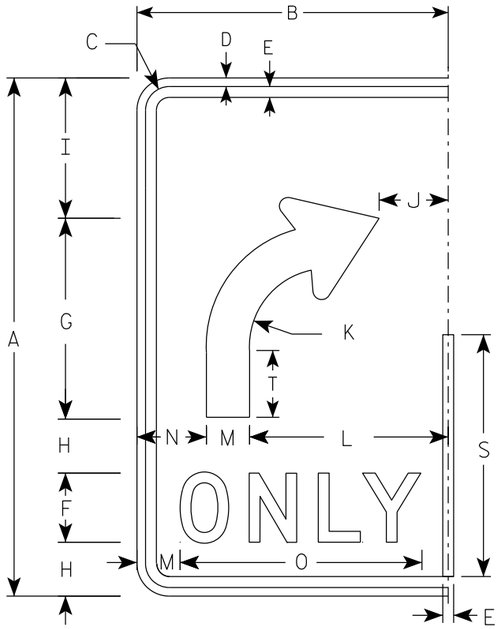
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

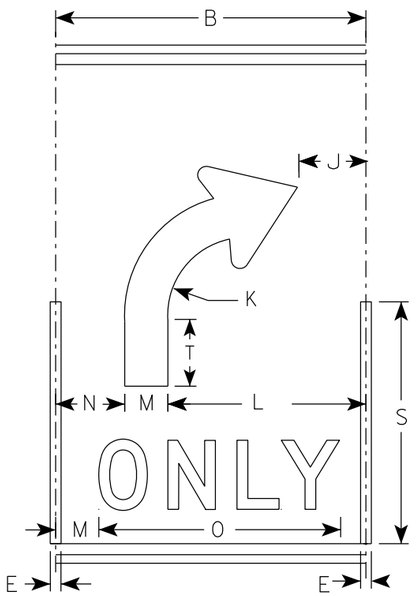
SHEET NO: 509 E

NOTES

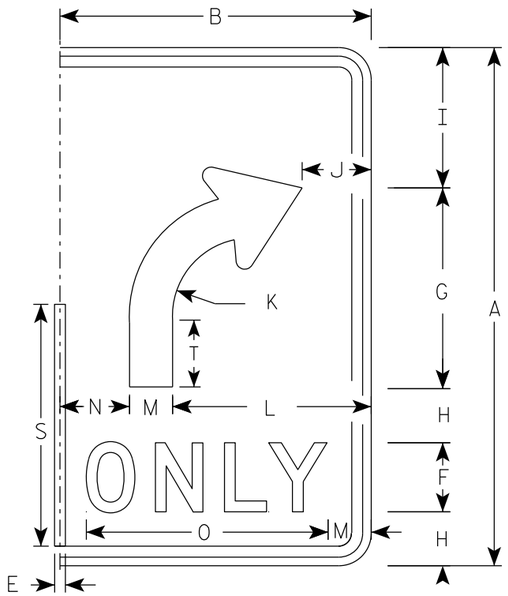
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



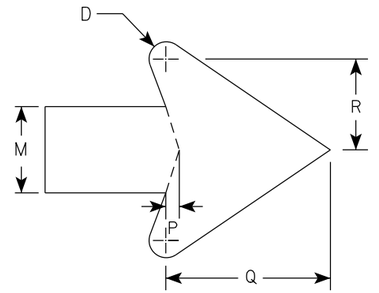
(R)



(R)



(R)



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	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

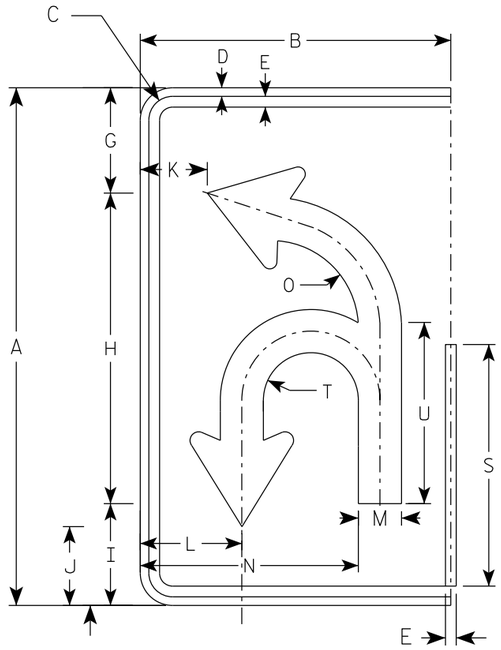
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

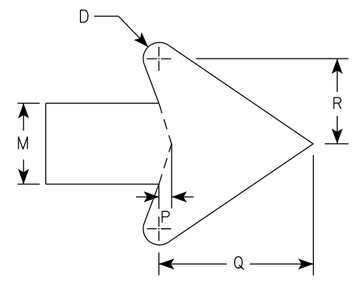
SHEET NO: 510 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



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	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

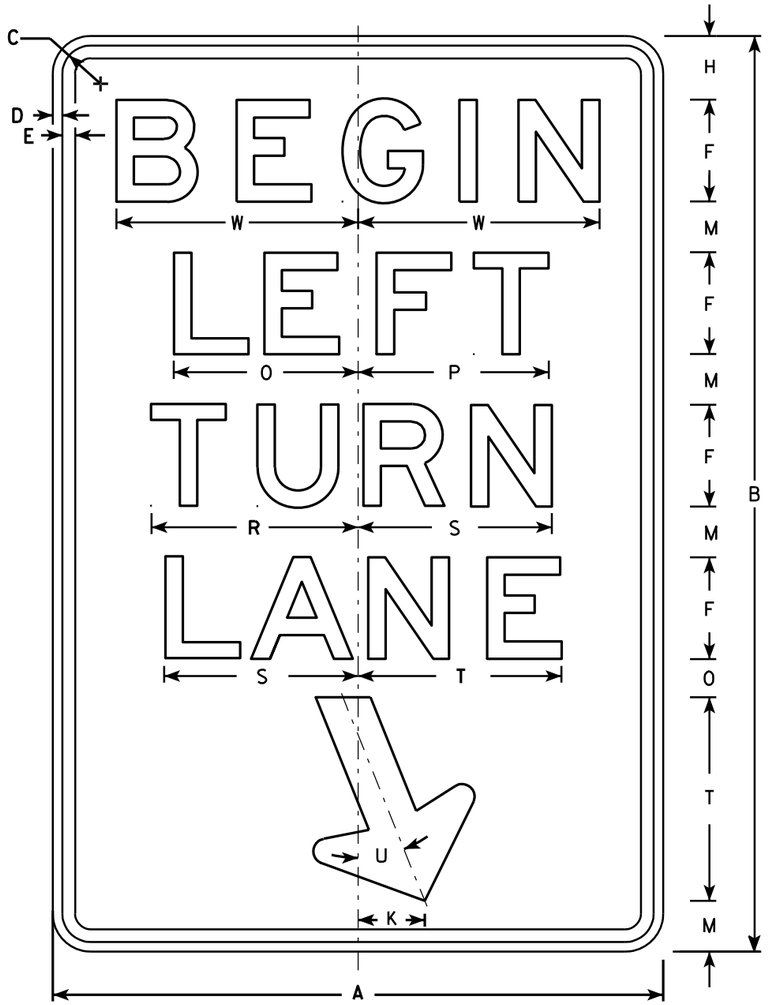
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

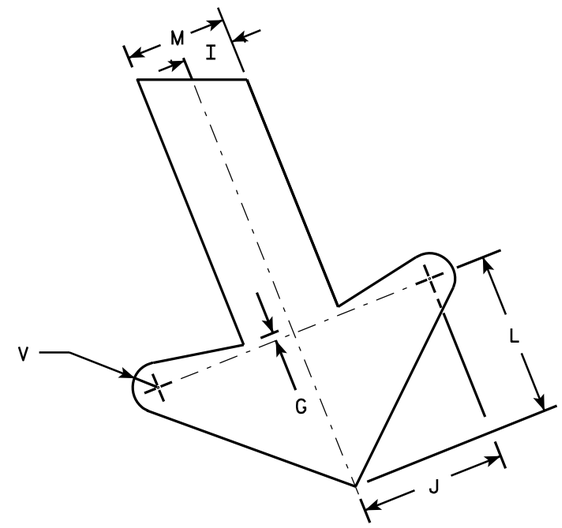
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 511 | E



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																											

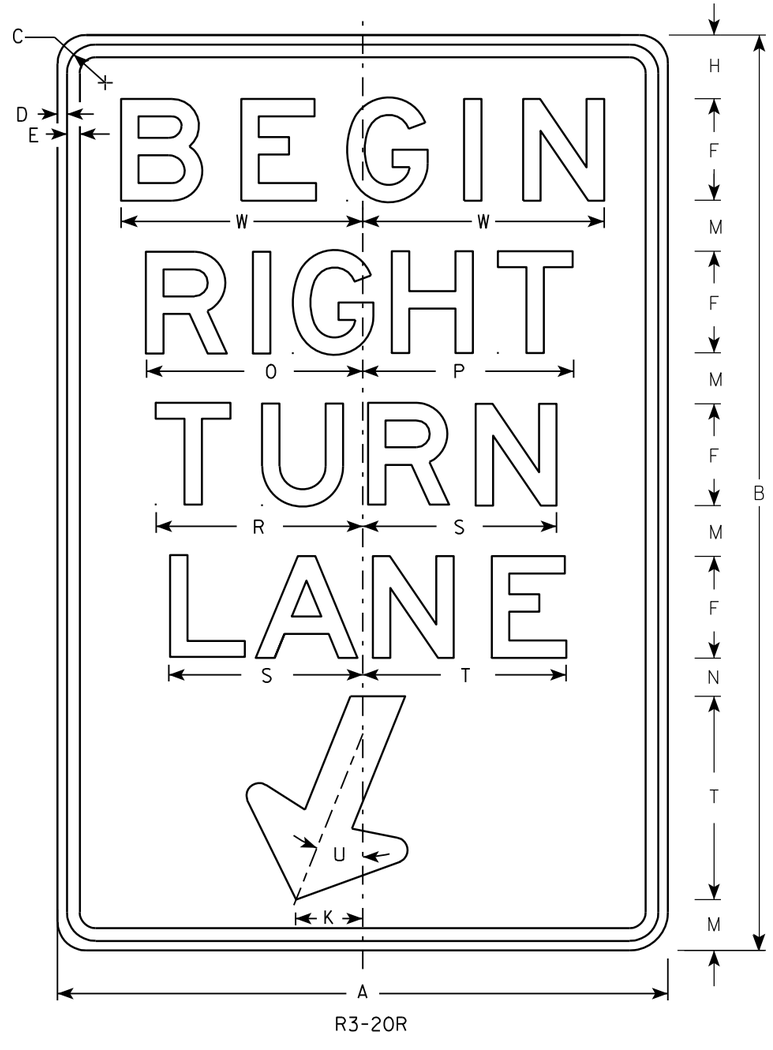
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

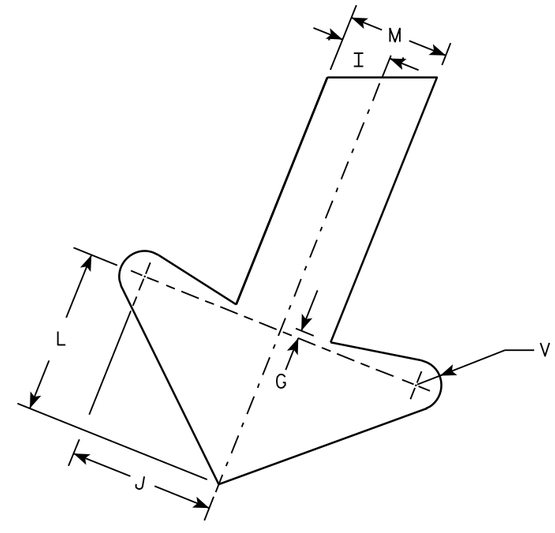
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 512 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

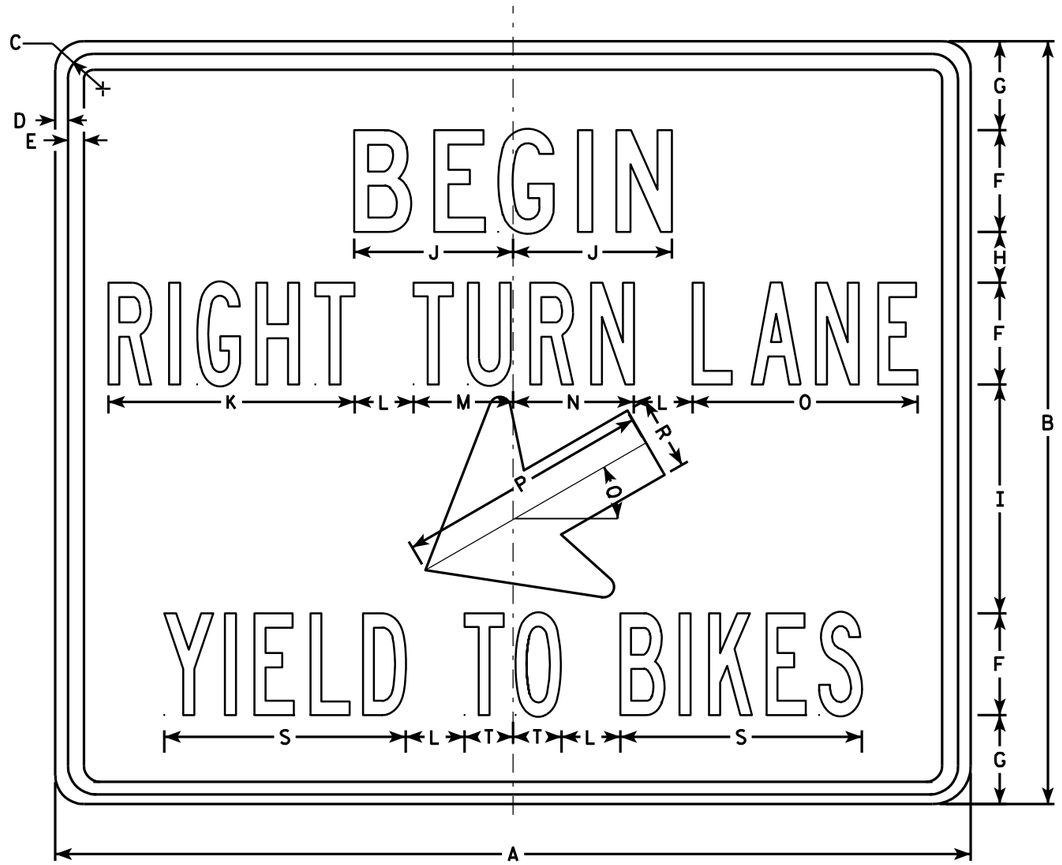
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 513 | E



R4-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C
   Lines 2 & 3 are Series B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

STANDARD SIGN
R4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

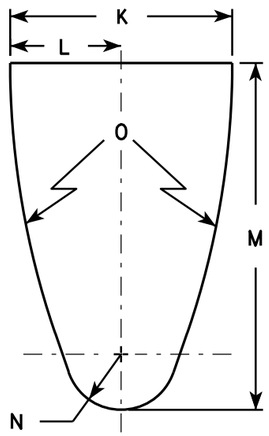
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 514 | E

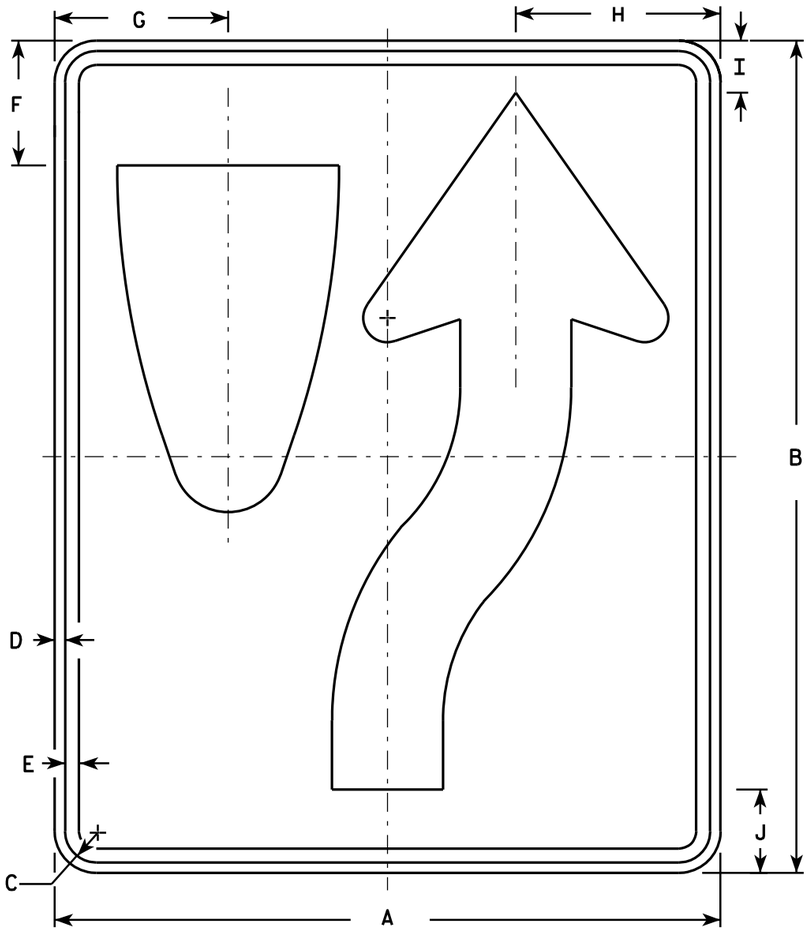
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R44.DGN PLOT DATE : 25-MAR-2011 13:45 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

7

7

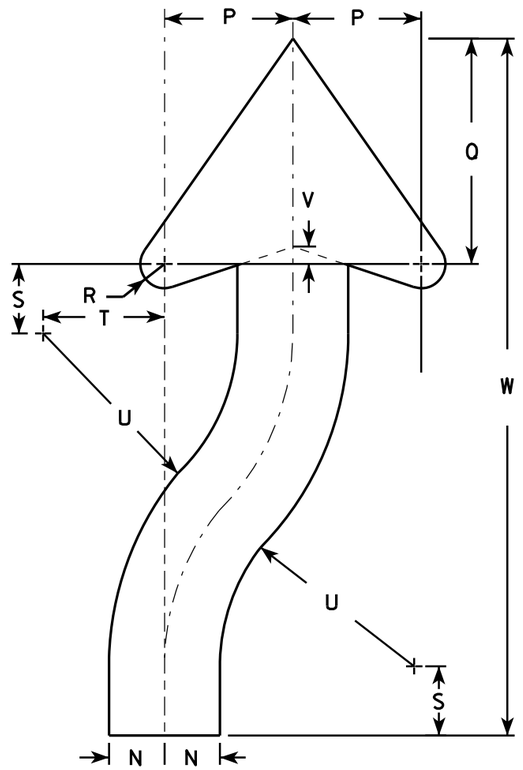




R4-7

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

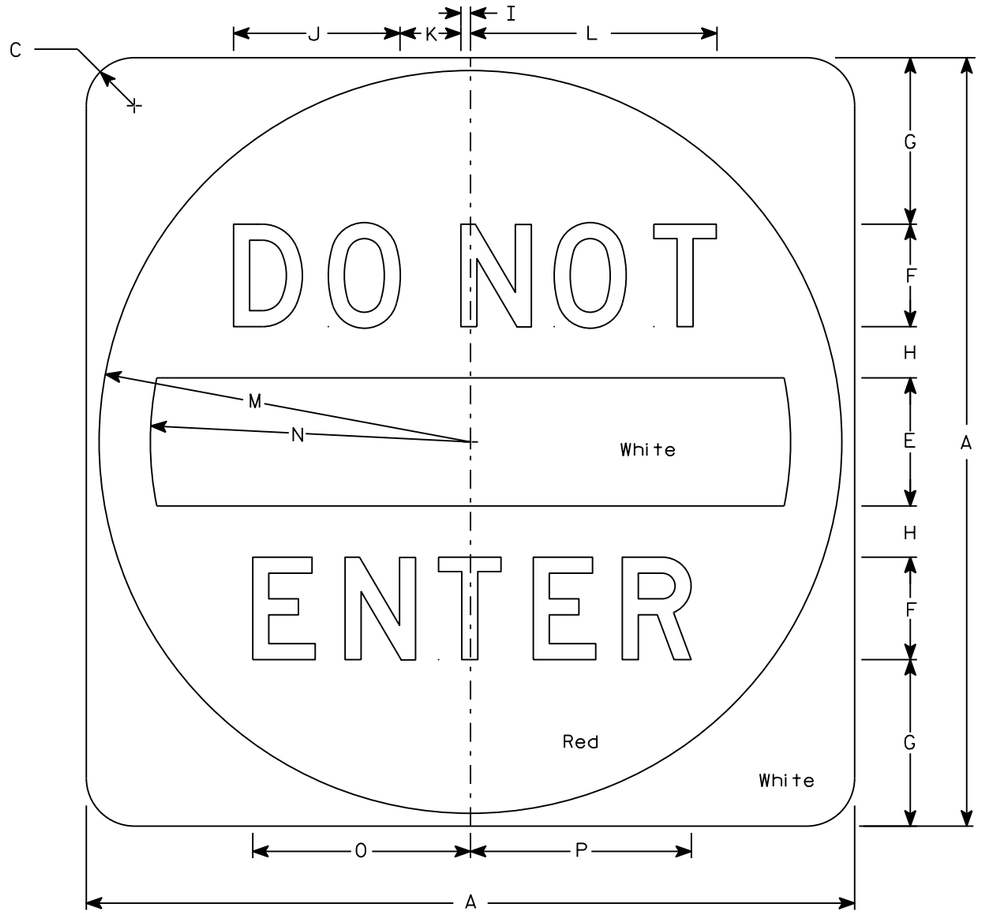
STANDARD SIGN
R4-7 & R4-8

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: 515	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

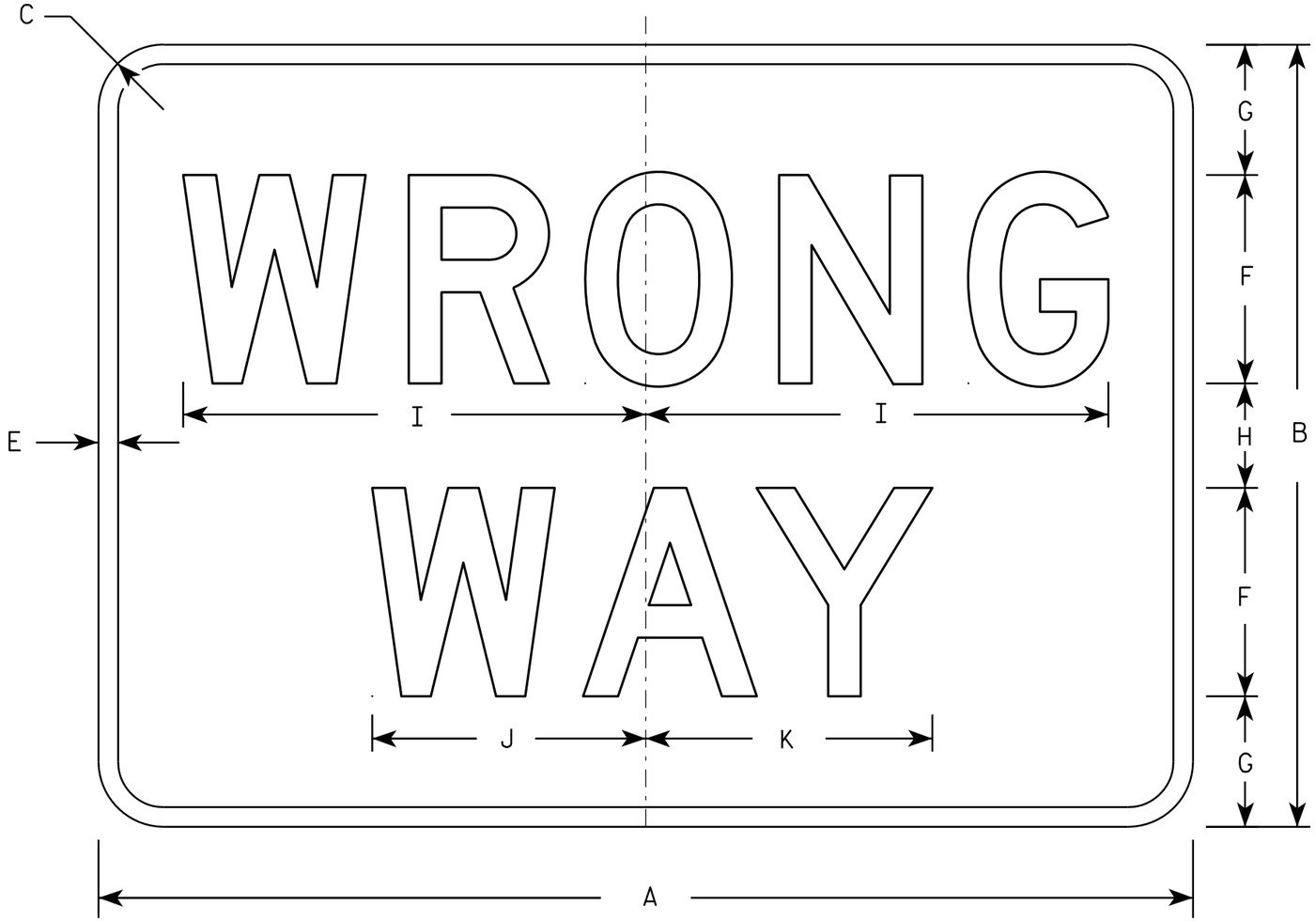
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 516 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 517	E

R5-57

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 - Lines 1, 2, and 5 are Series C.
   Lines 3 and 4 are 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																											
2S																											
2M																											
3																											
4	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0
5	36		1 5/8	5/8	3/4	4	3	2	3 1/2	14 1/4	14 7/8	11	11 1/2	4 3/4	1 3/4	9		1 3/8	10	11	2 1/2	1 3/4	15 1/2	13	13 5/8		9.0

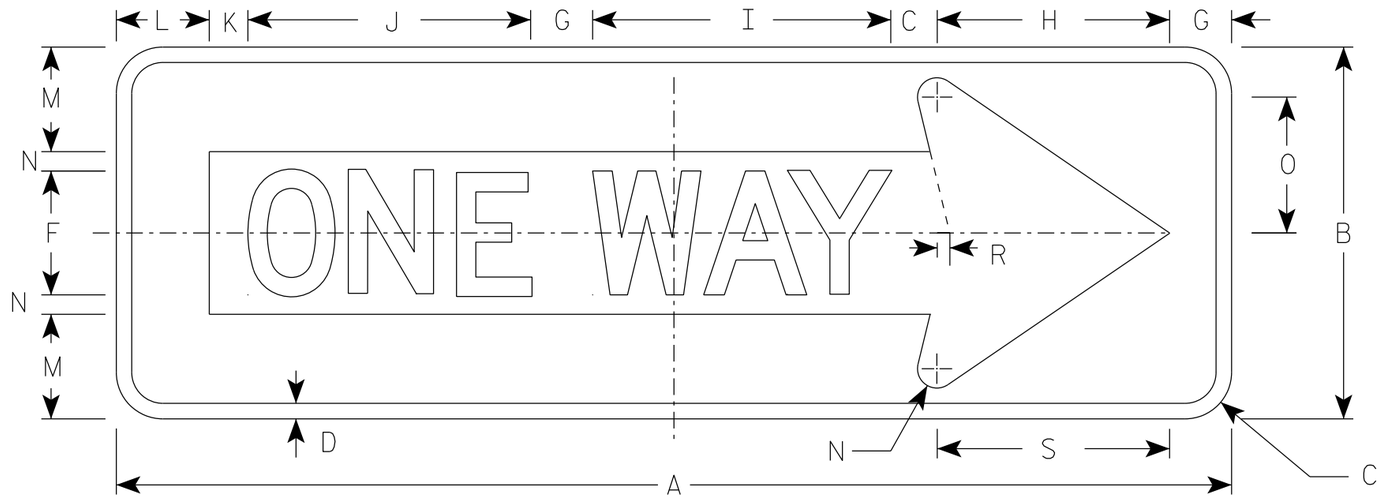
STANDARD SIGN
R5-57

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-57.10

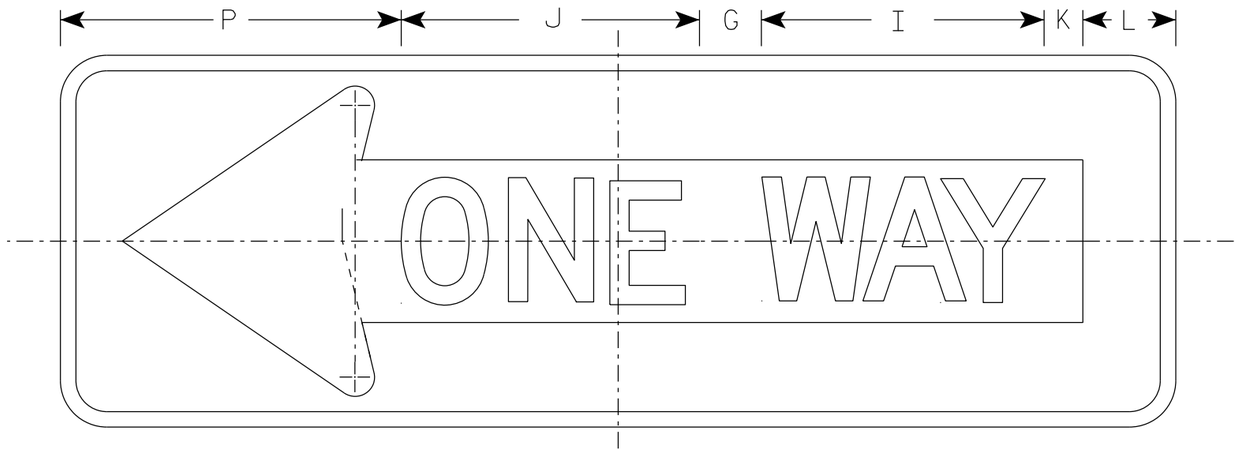
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 518 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

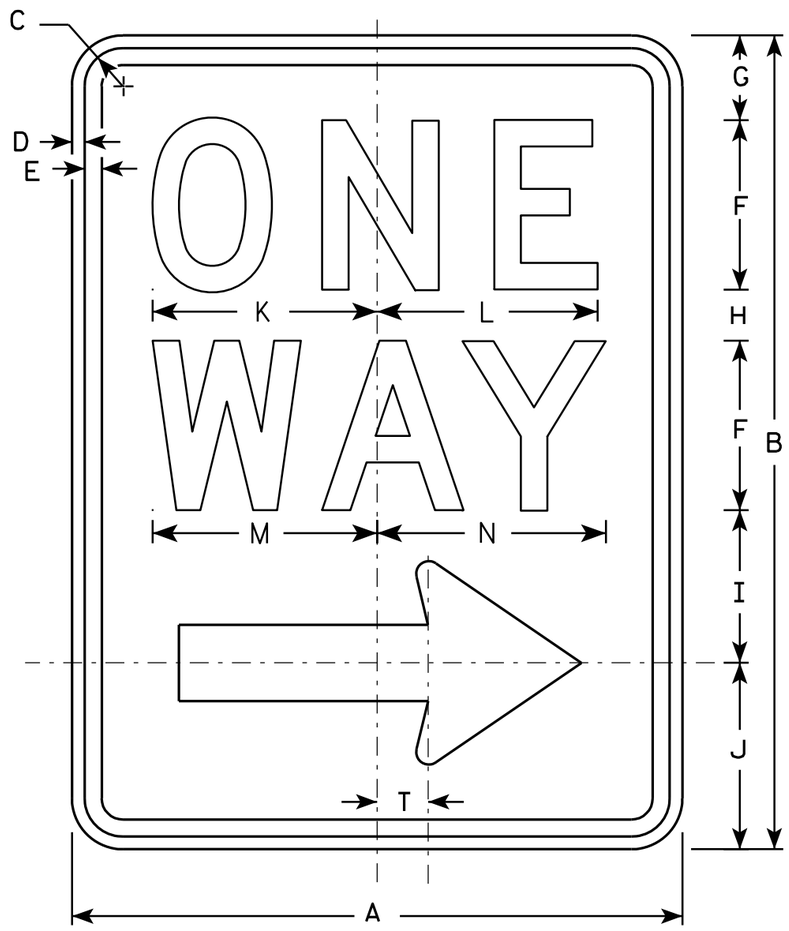
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

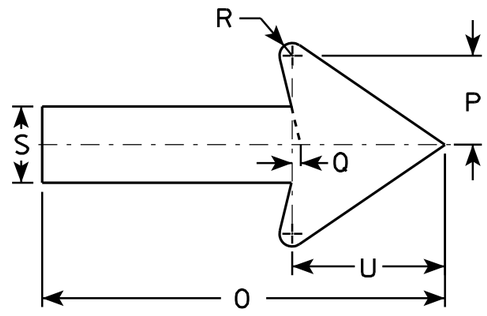
SHEET NO: 519 E



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

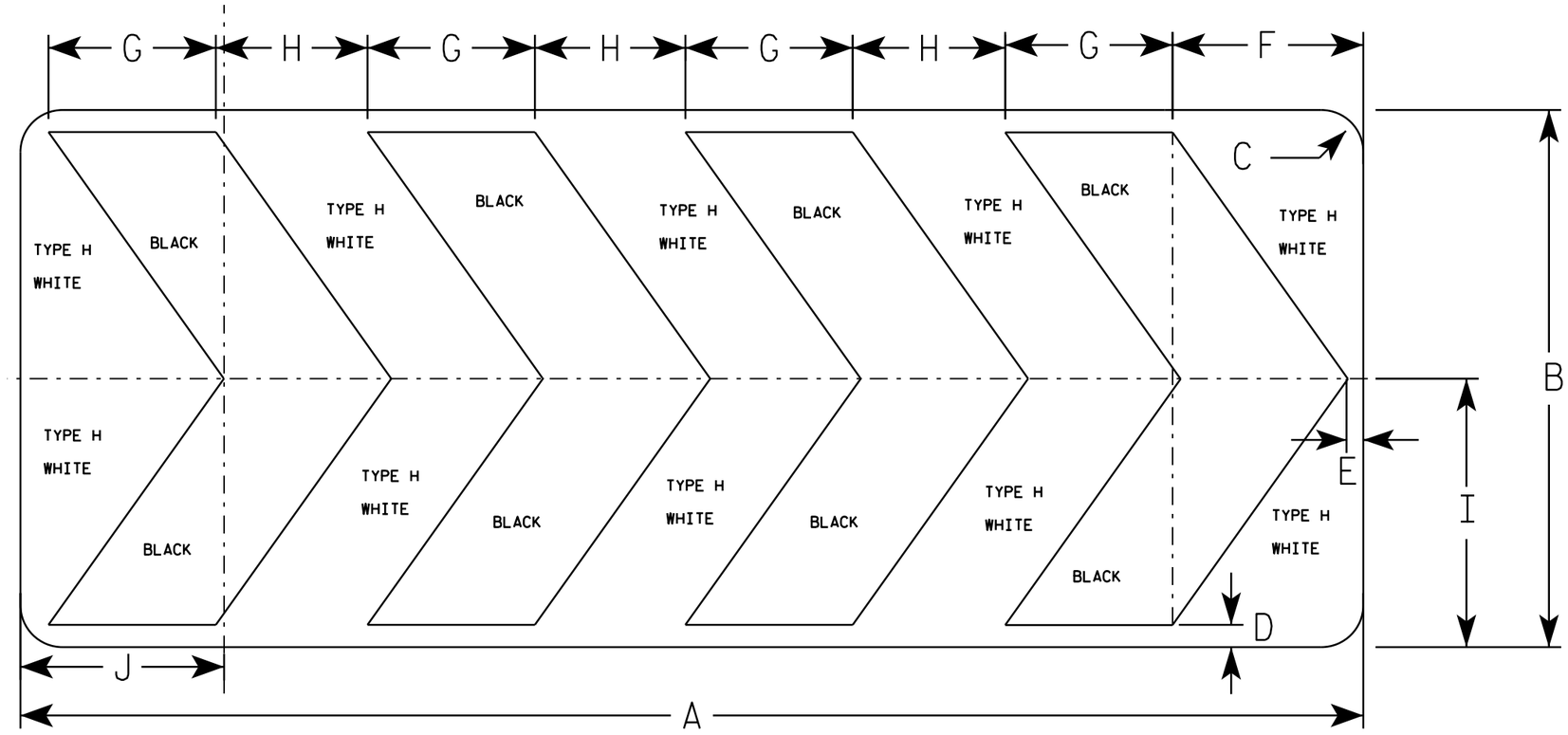
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 520	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

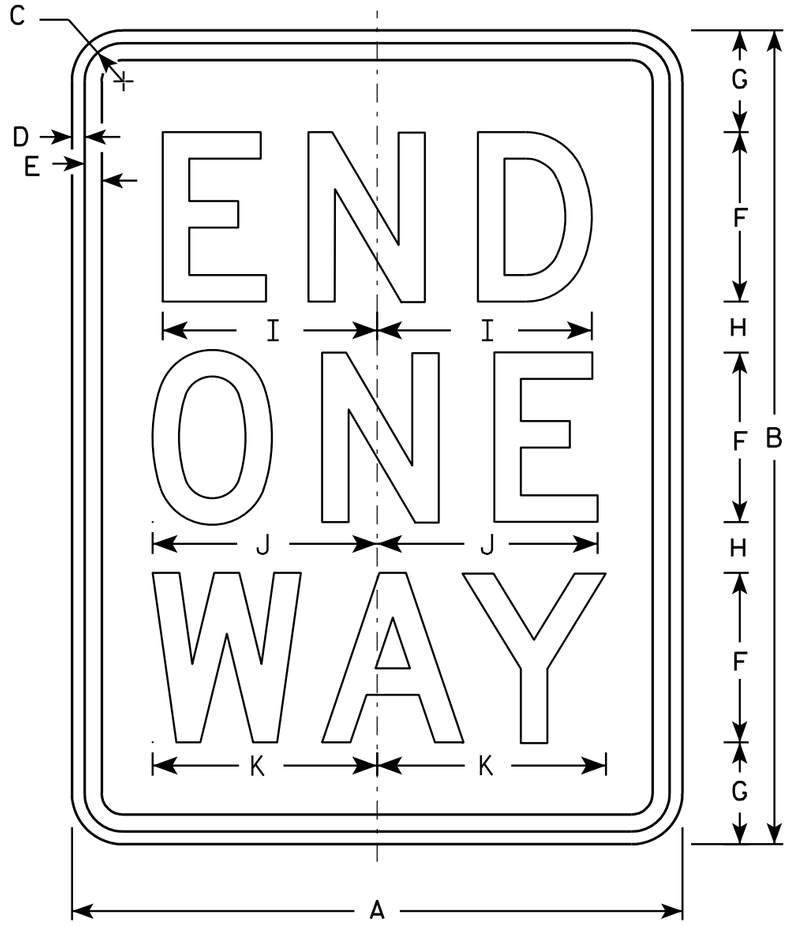
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



R6-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	8	8 1/8	8 1/2															
2M	30	36	1 3/8	1/2	5/8	8	3 1/4	2 3/4	10 1/8	10 1/2	11 1/2															
3	36	48	1 3/8	1/2	5/8	10	5 1/4	3 1/4	12 5/8	12 3/4	13 3/8															
4	36	48	1 3/8	1/2	5/8	10	5 1/4	3 1/4	12 5/8	12 3/4	13 3/8															
5																										

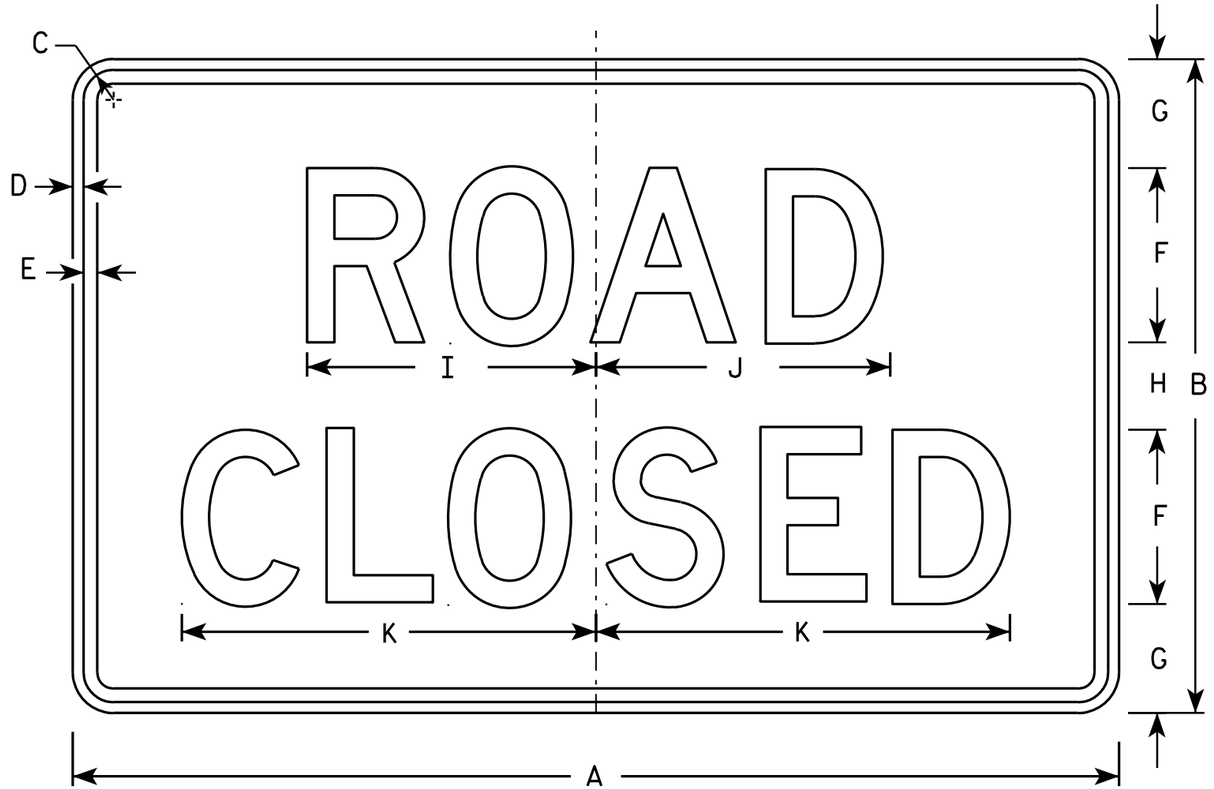
STANDARD SIGN
R6-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-7.1

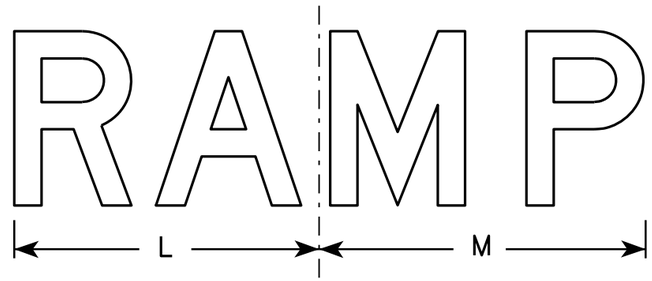
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 522	E



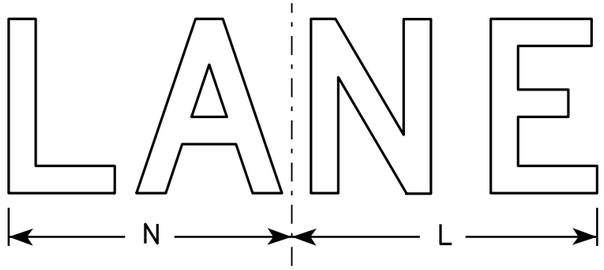
R11-2

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

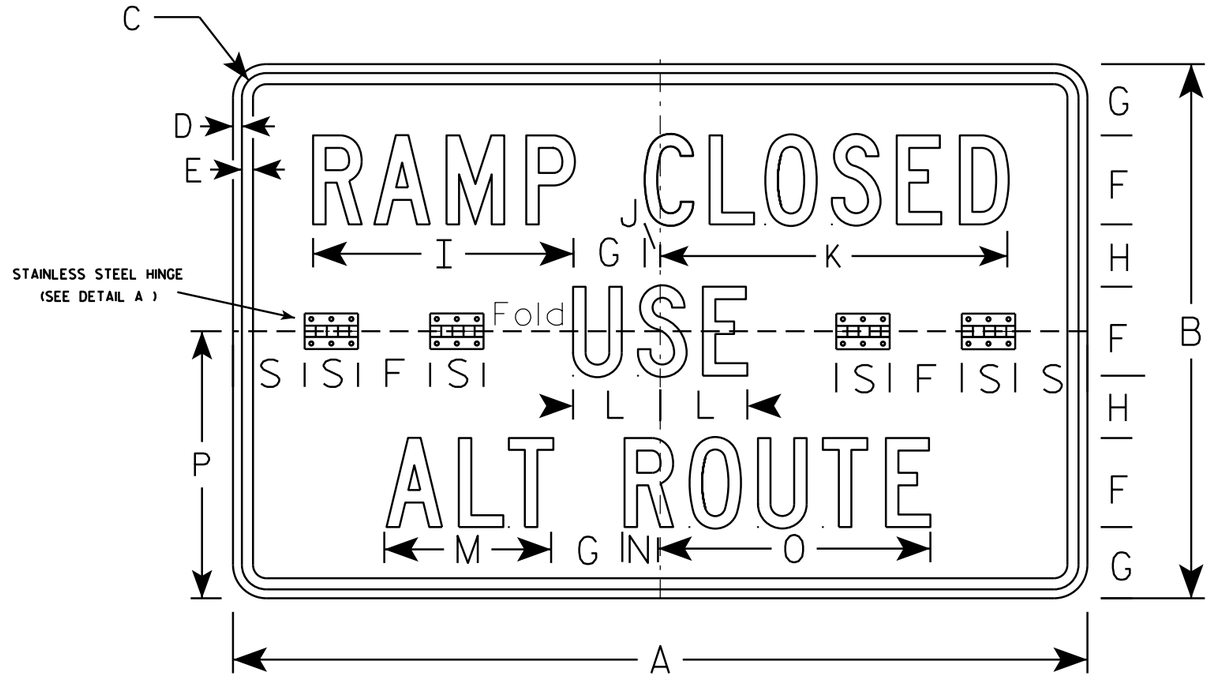
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

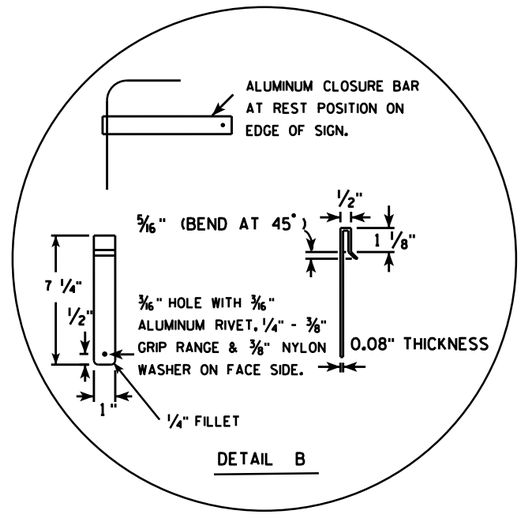
DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 523	E



R11-54F

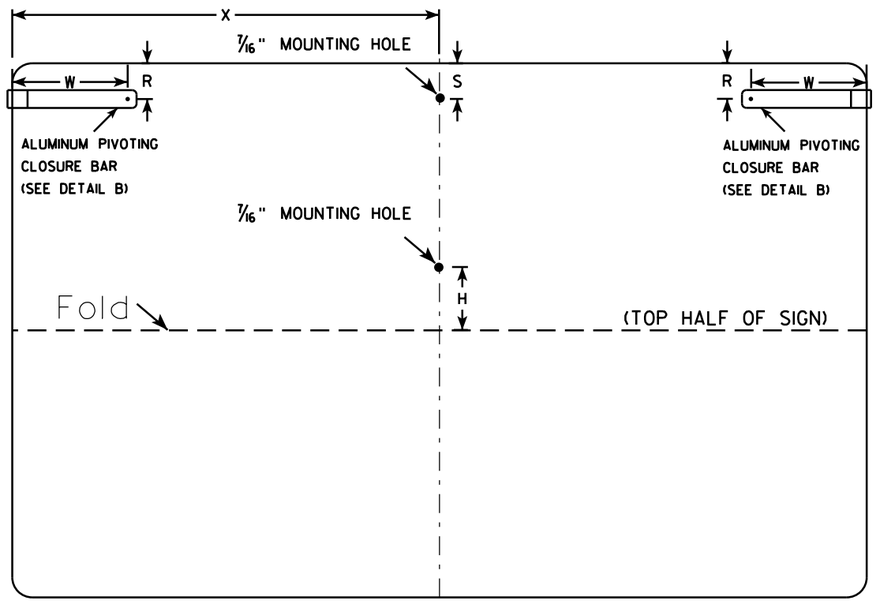
DETAIL A



DETAIL B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - C
4. Sign Base Material shall be aluminum, corners and borders shall be rounded.
5. All hardware used on the folding sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.
6. Refer to plate A5-3A for sign blank layout.



(BACK VIEW)

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	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
2M	48	30	1 3/8	1/2	5/8	5	4	3 1/2	14 5/8	7/8	19 1/2	4 7/8	9 3/8	2	15 1/4	15		2	3	2 5/8	1 1/4	11/16	6 1/2	24			10.0
3																											
4																											
5																											

STANDARD SIGN
R11-54F

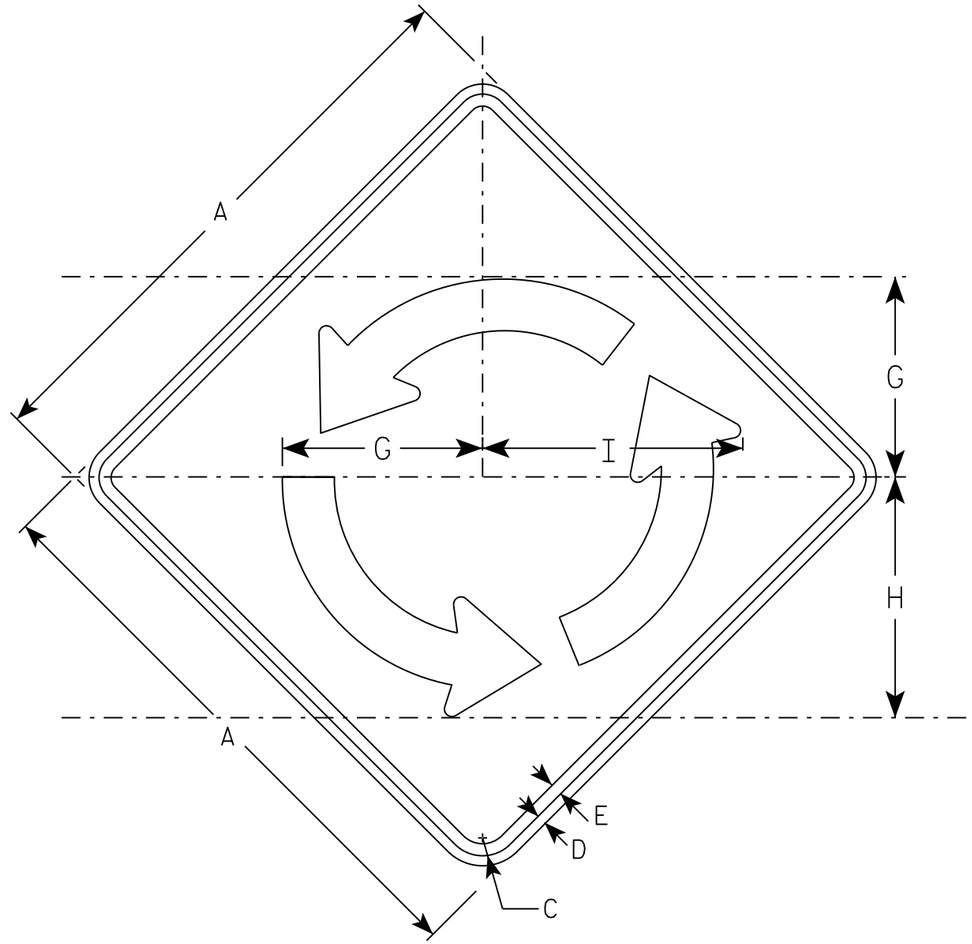
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/28/14 PLATE NO. R11-54F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R1154F.DGN PLOT DATE : 28-MAY-2014 14:15 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 8.511110:1.000000
WISDOT/CADDS SHEET 42



W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW
   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	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2																6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2																6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4																9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4																16.0
5																									

STANDARD SIGN
W2-6

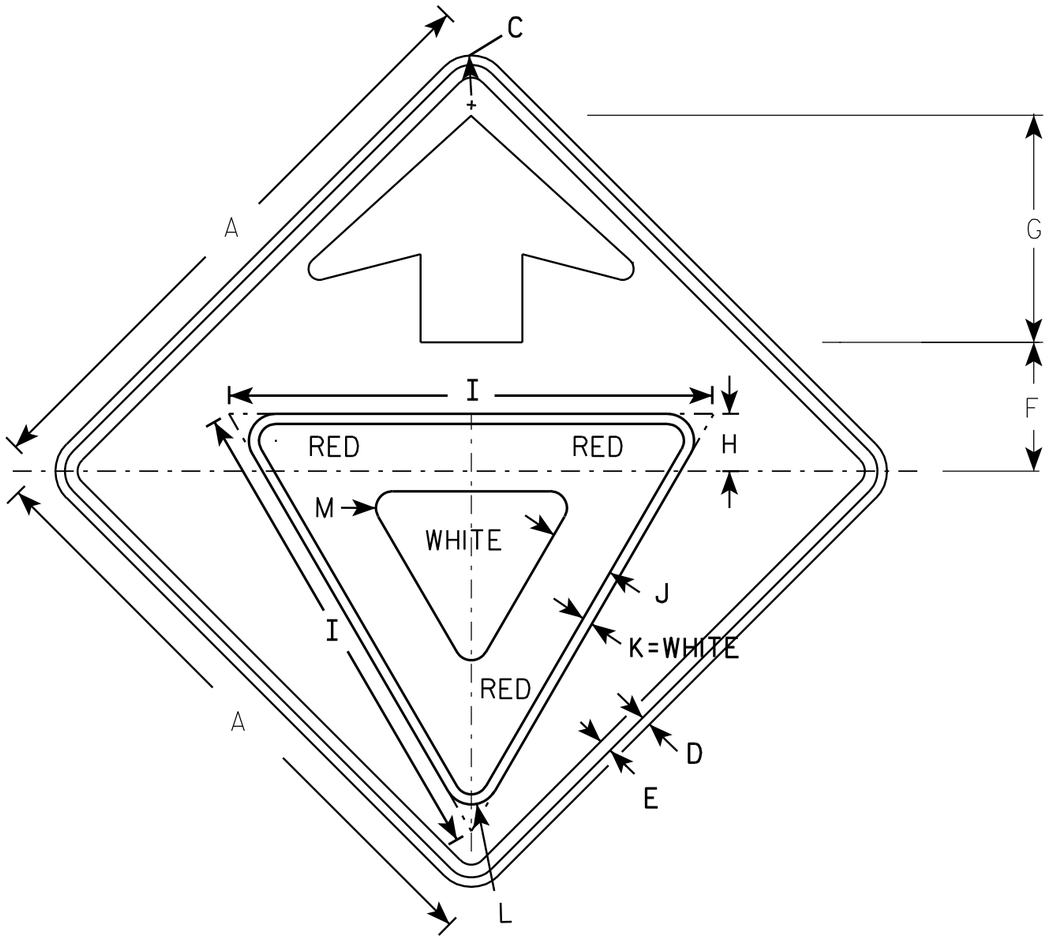
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. W2-6.6

PROJECT NO:

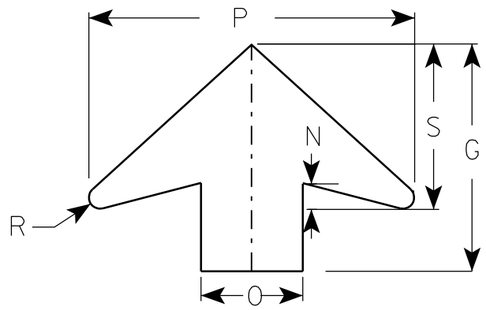
SHEET NO: 525 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

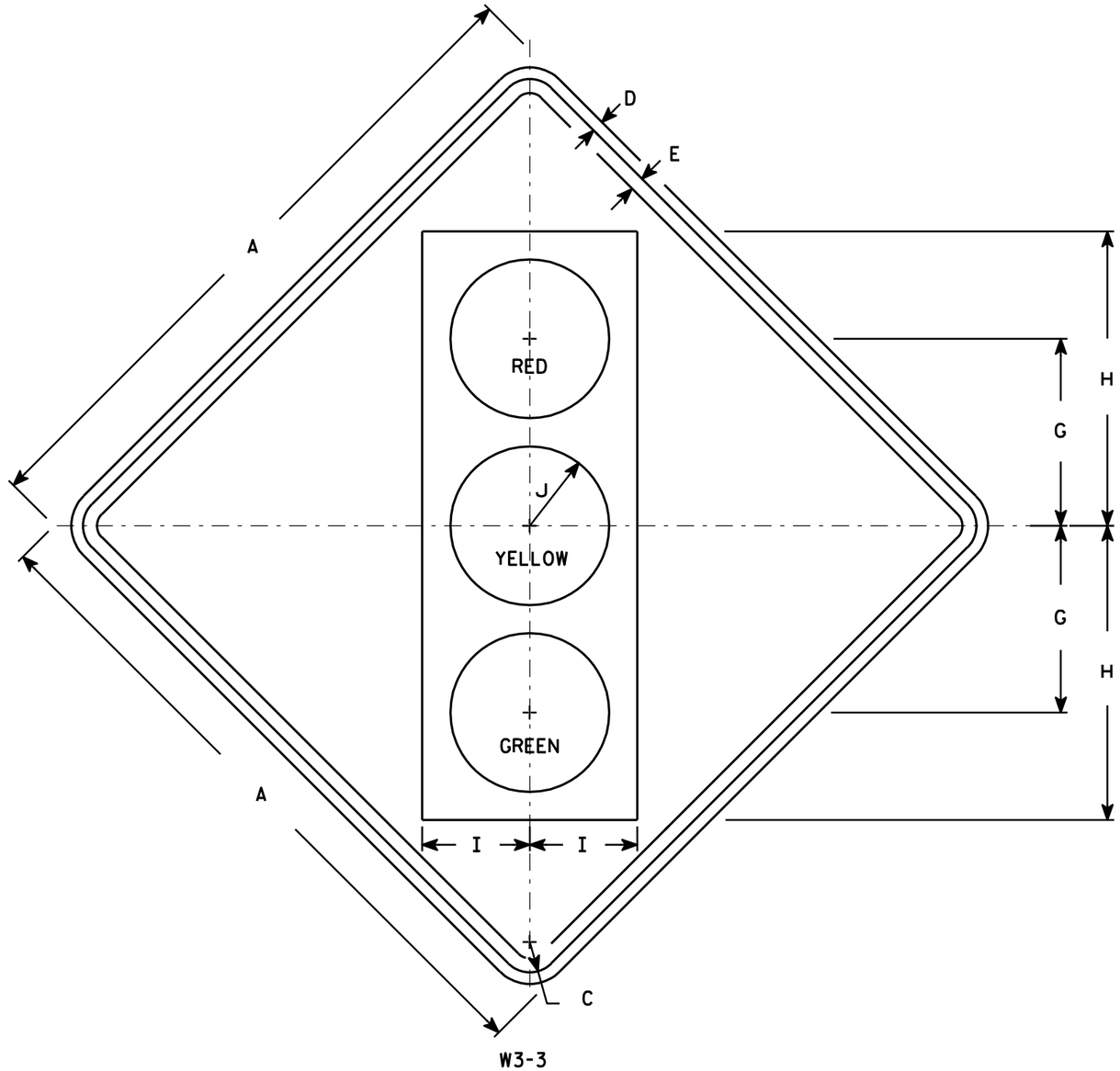
SHEET NO: 526 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W32.DGN PLOT DATE : 07-JUN-2010 13:03 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7



NOTES

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

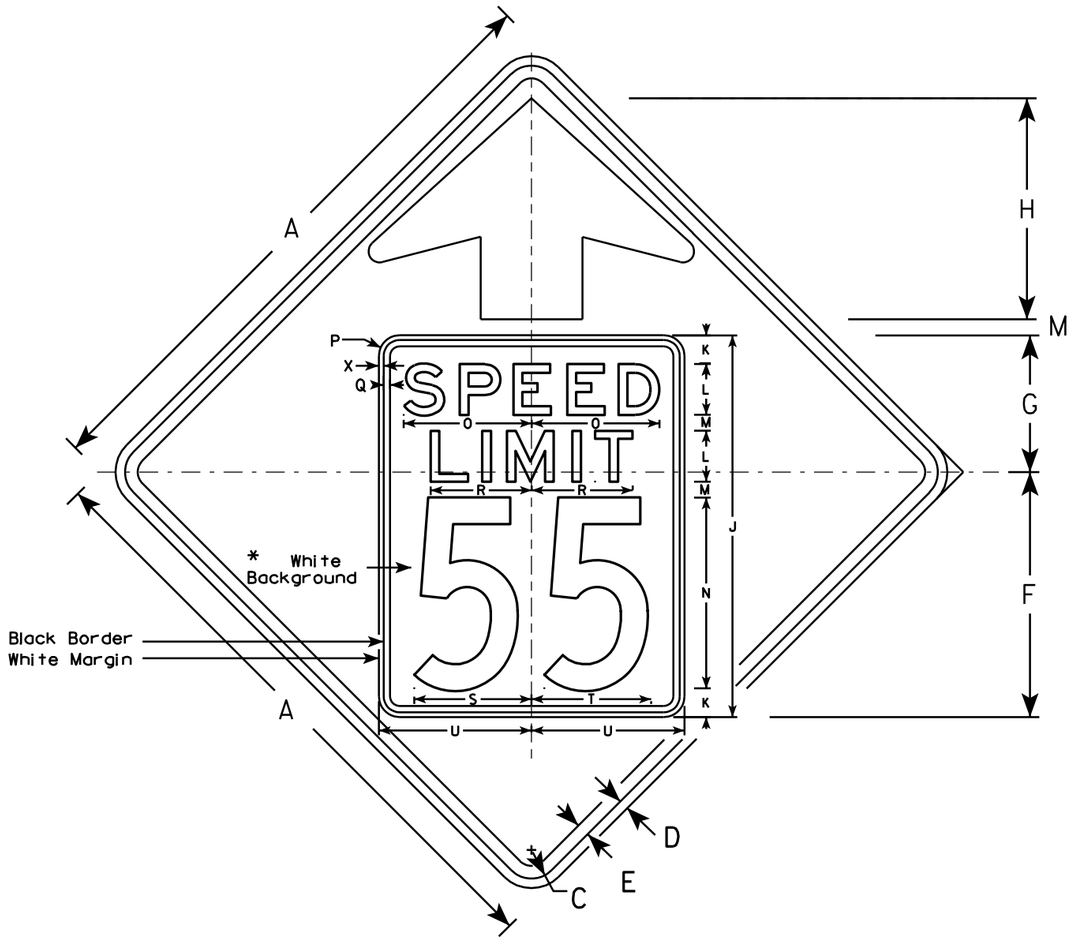
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 527 | 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

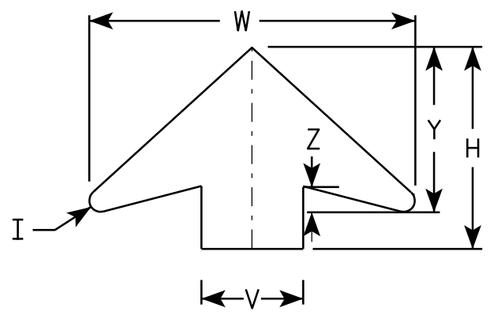


W3-5

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

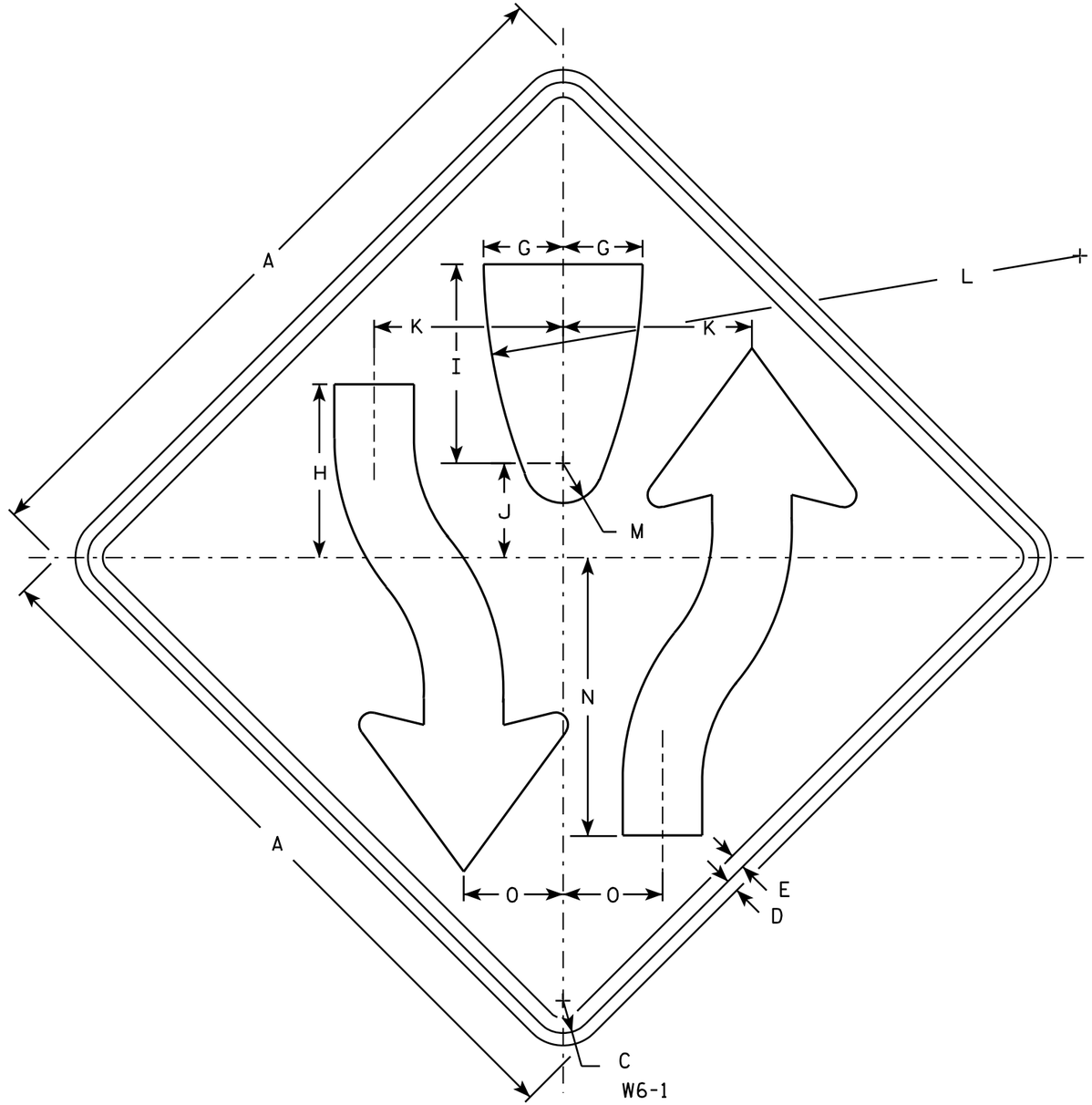
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

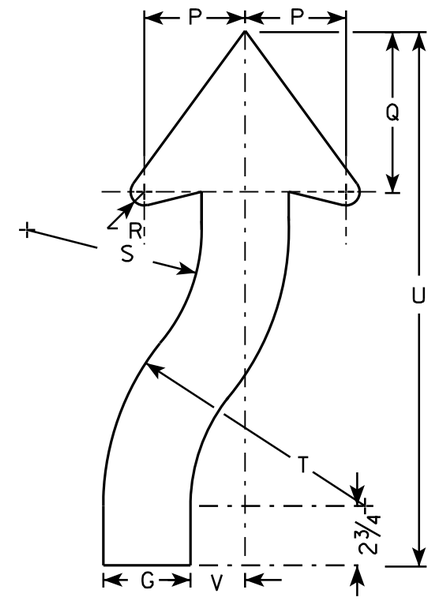
PROJECT NO:

SHEET NO: 528 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

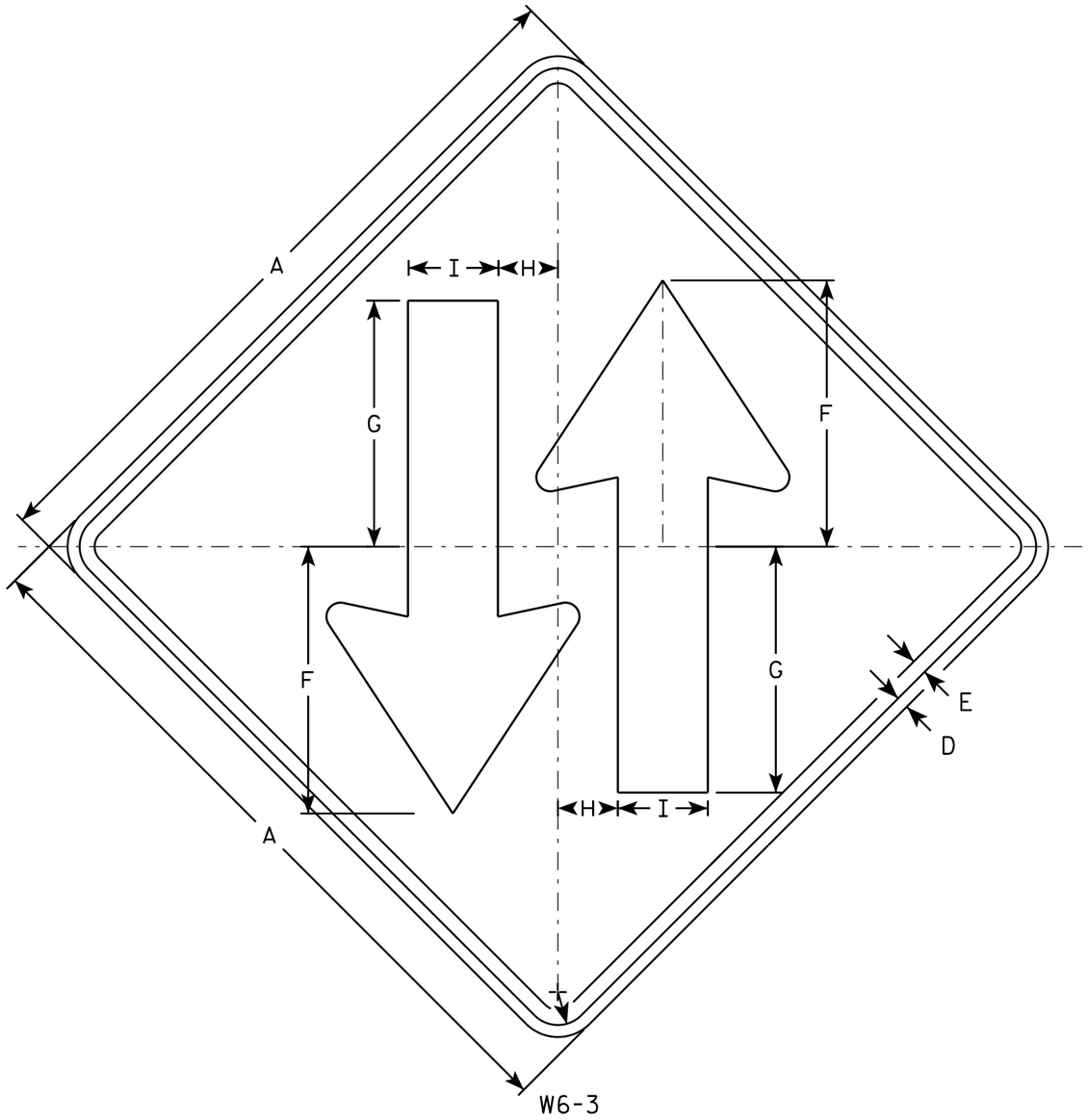
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 529	E

7

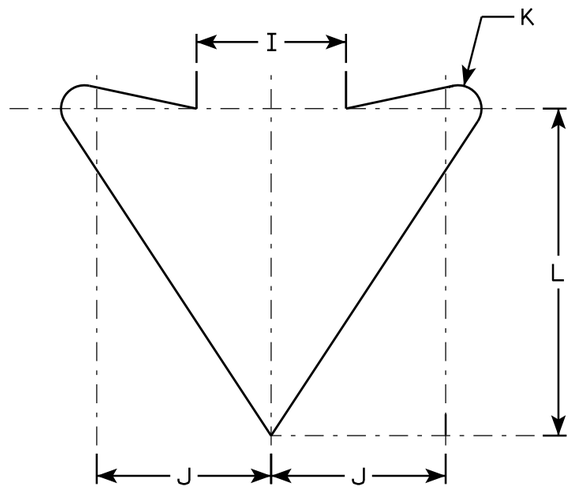
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W6-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

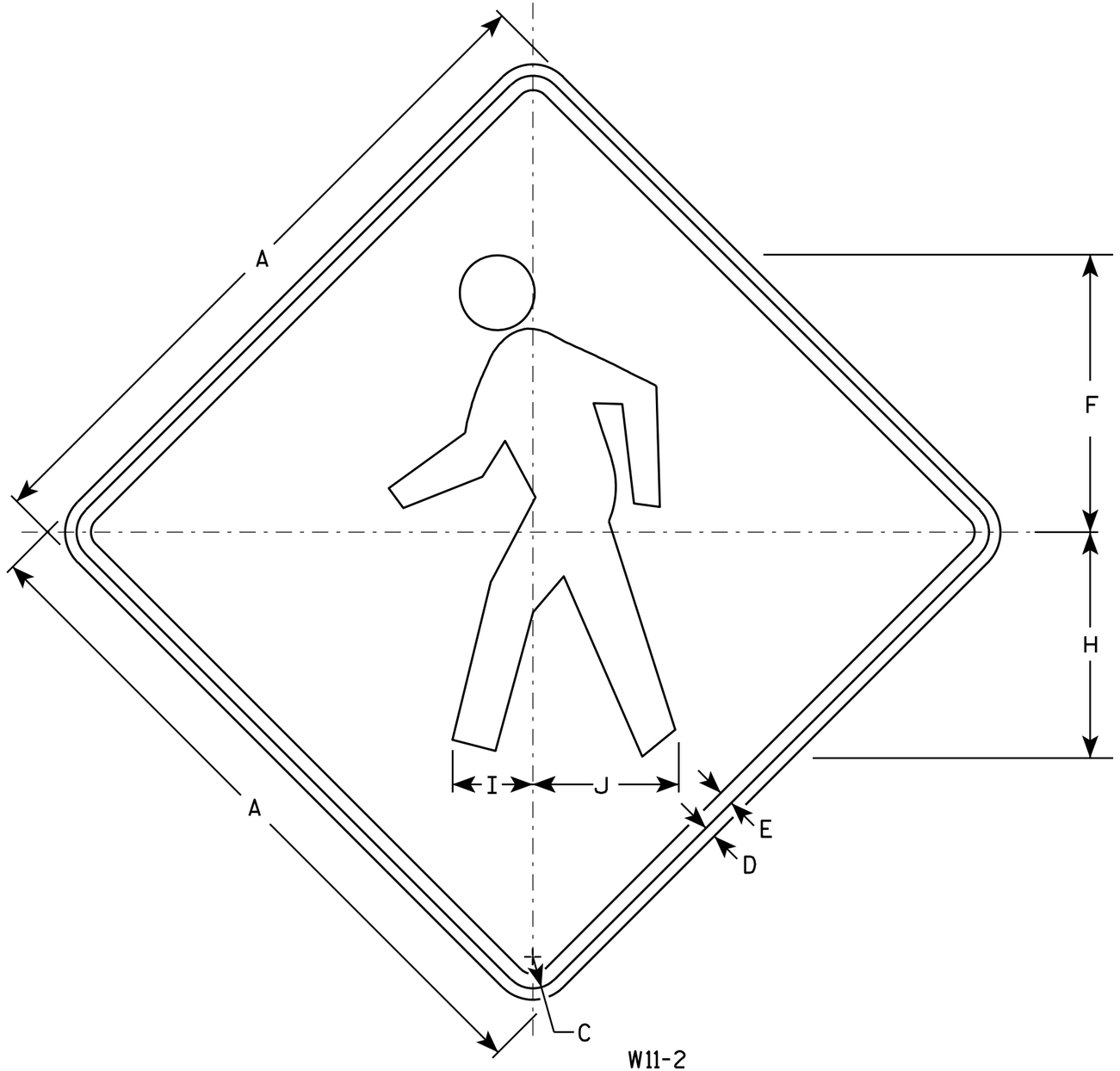
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE W6-3.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN PLOT DATE : 10-MAR-2016 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000 WISDOT/CADDS SHEET 42



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																											

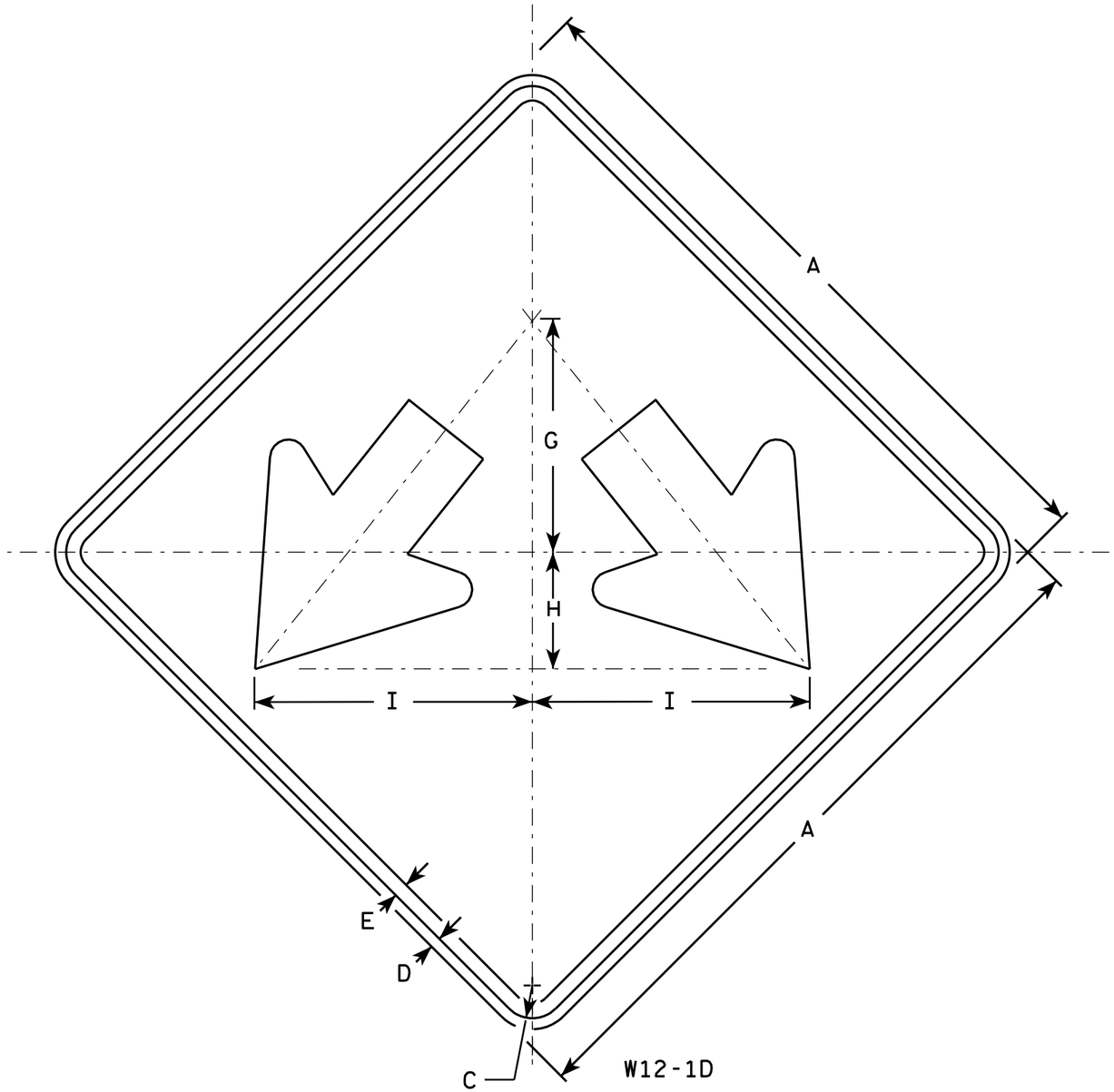
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

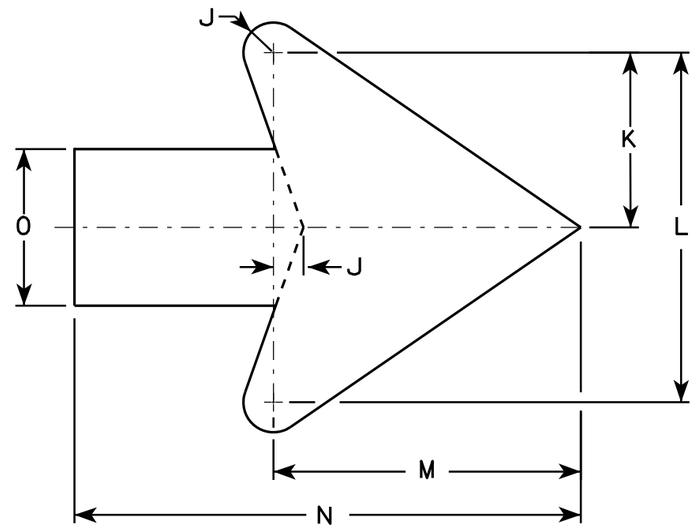
DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 531	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

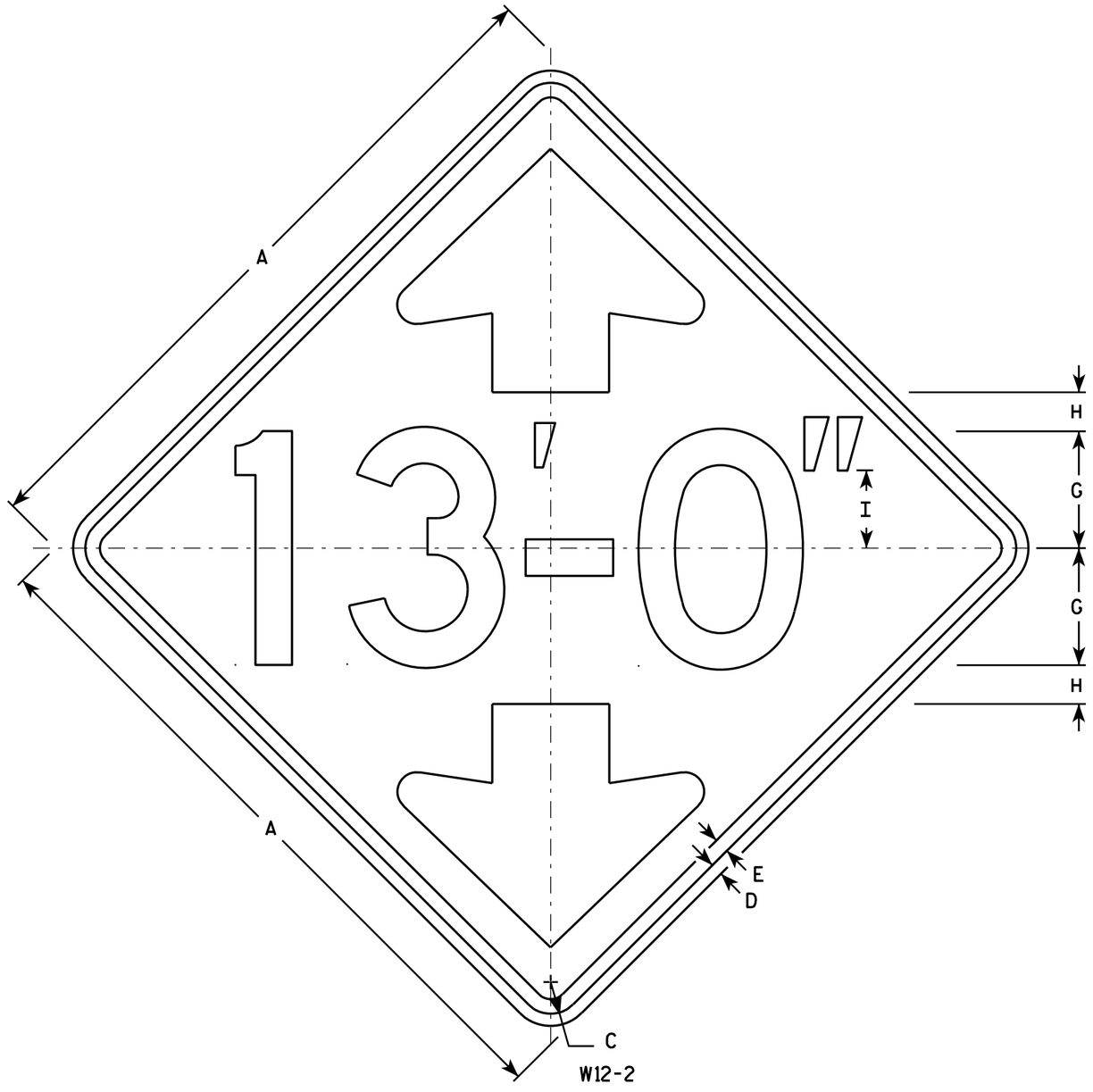
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 532 | E

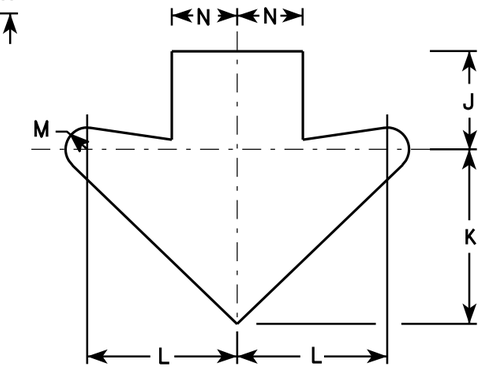
7

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

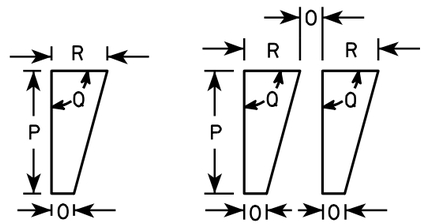


NOTES

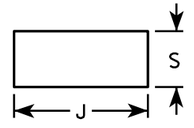
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.



Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen 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		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
2M	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
3	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
4	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
5	48		2 1/4	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.00

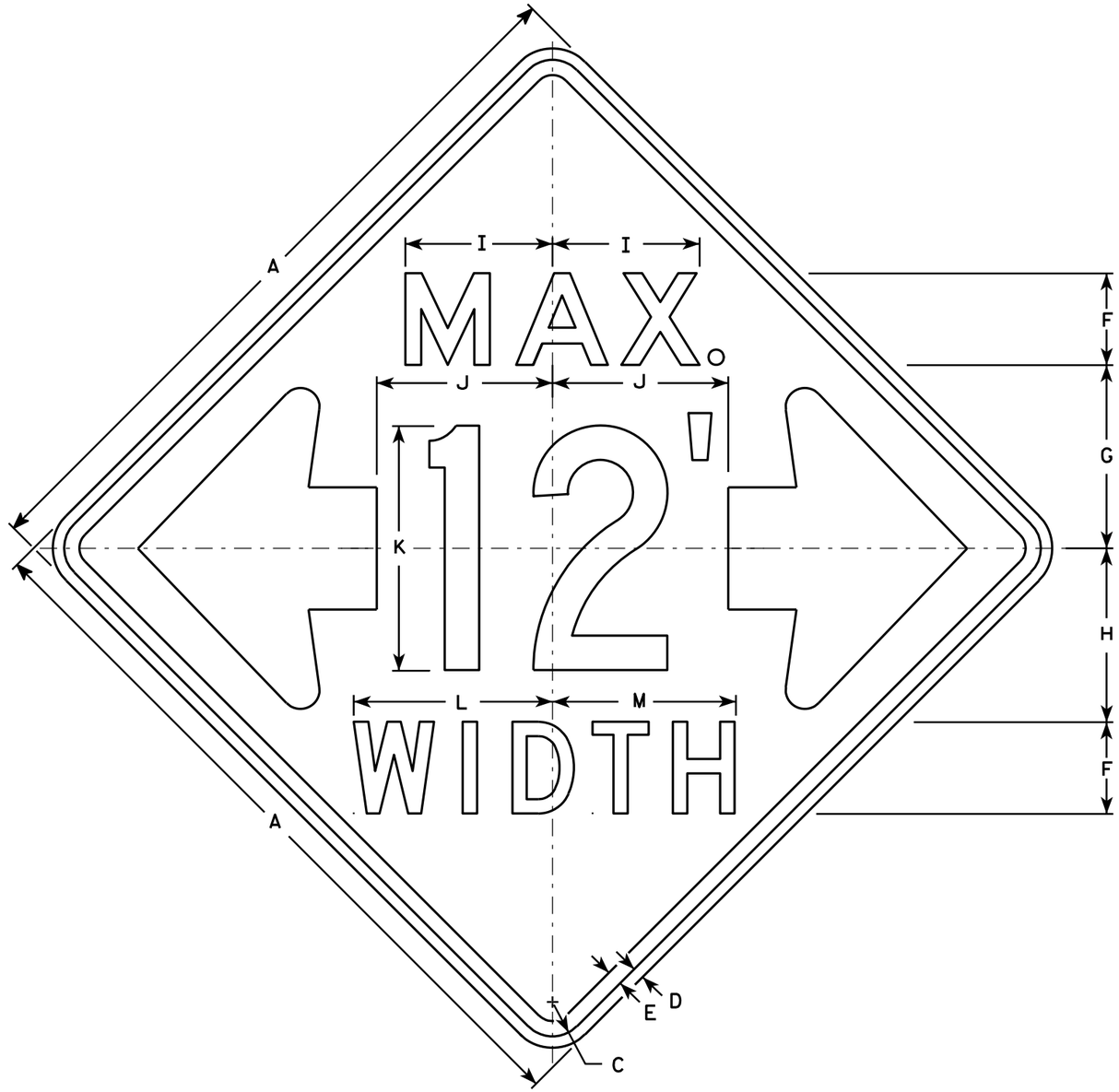
STANDARD SIGN
W12-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-2.9

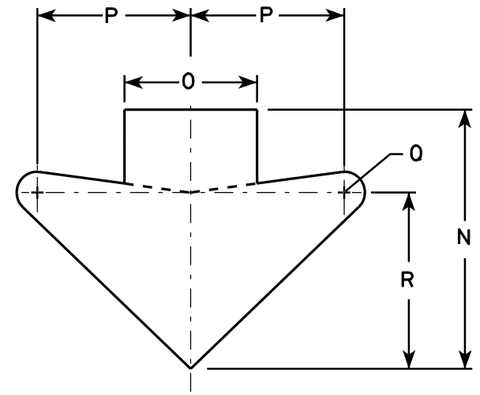
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 533	E



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

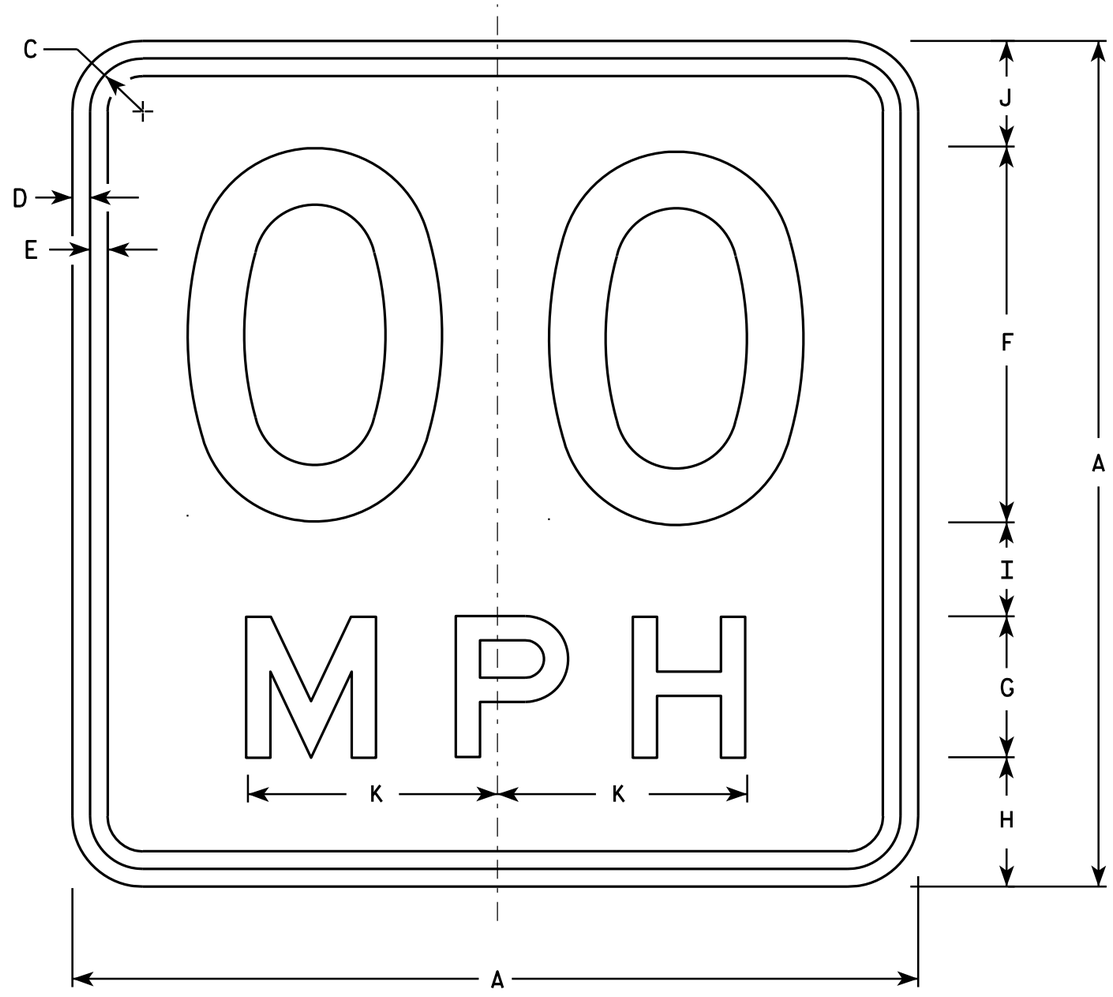
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 534 | 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



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

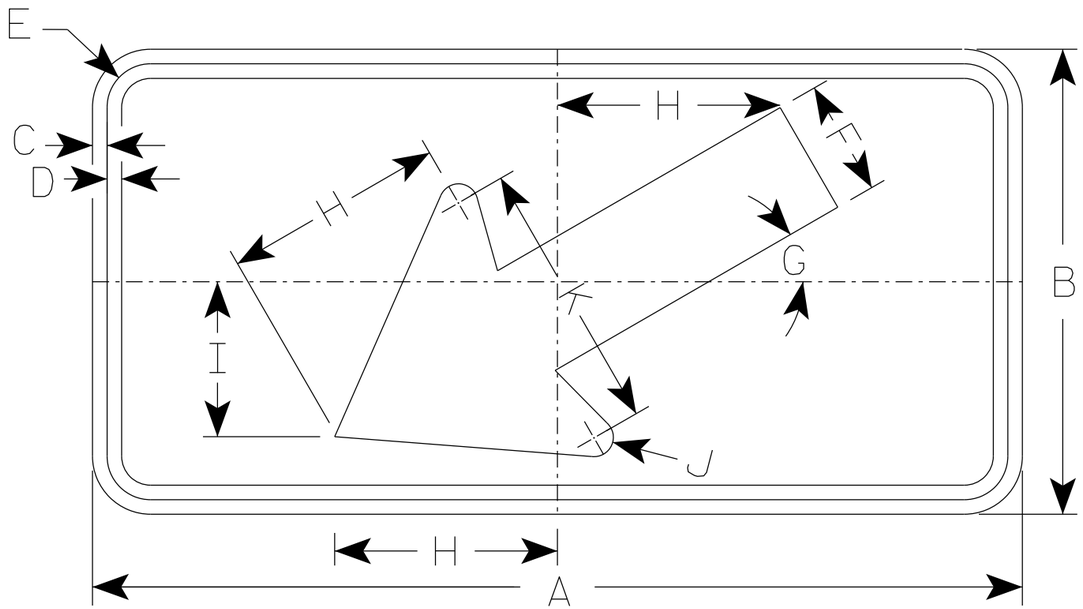
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 535 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. 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	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

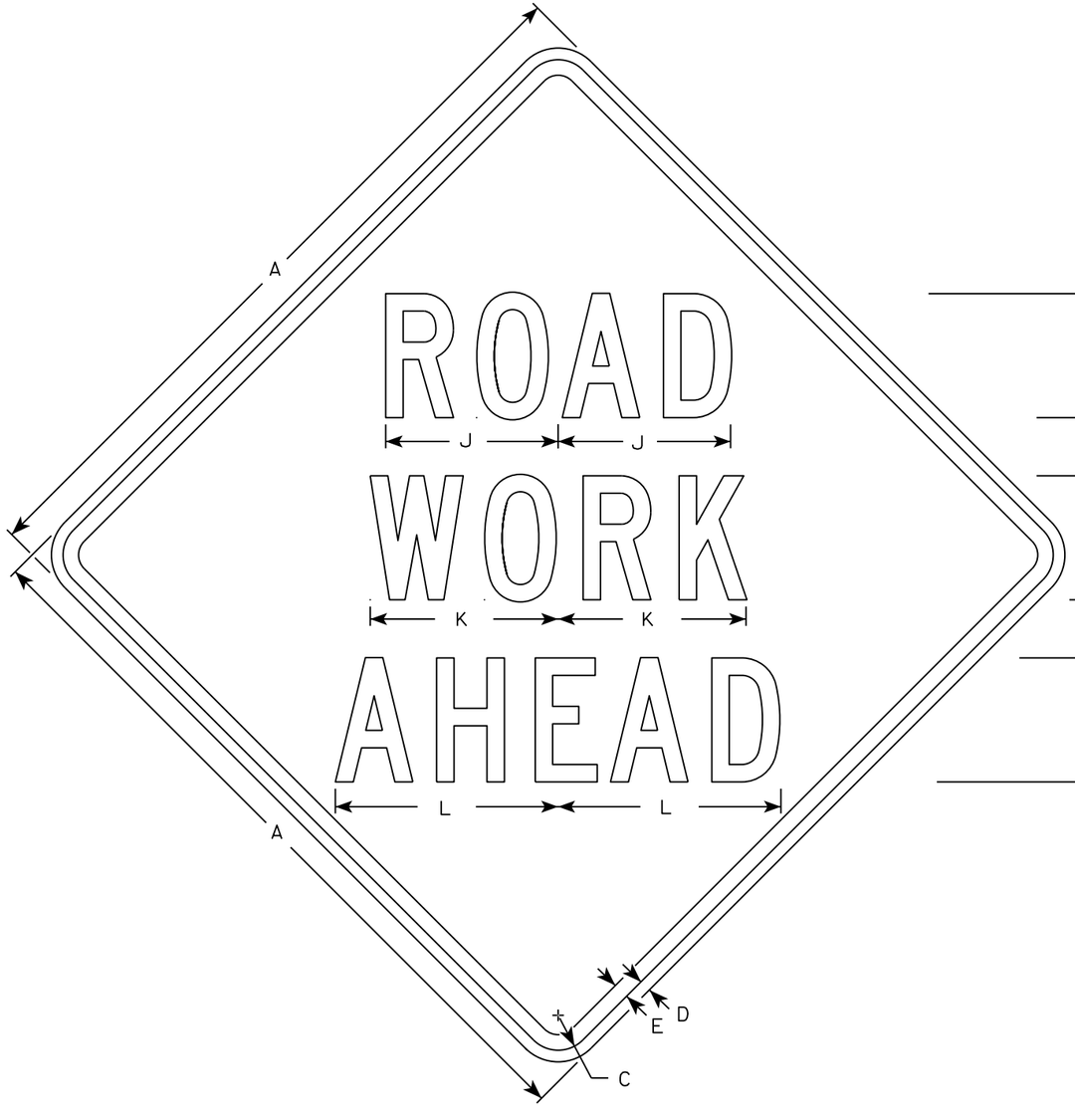
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

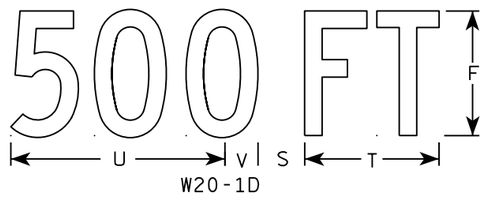
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/11/18 PLATE NO. W16-7.6

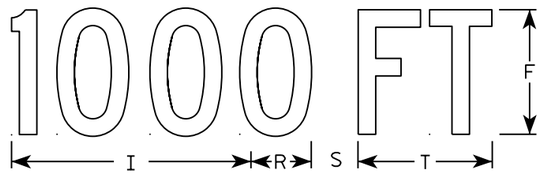
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 536 | E



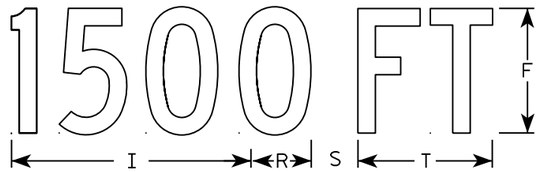
W20-1A



W20-1D

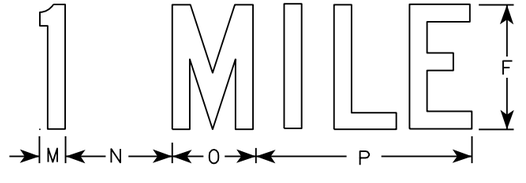


W20-1C

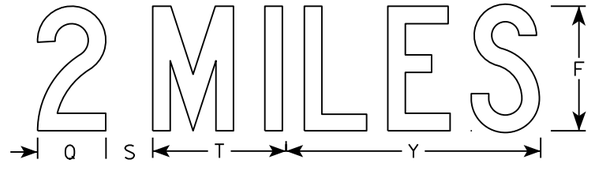


W20-1B

W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

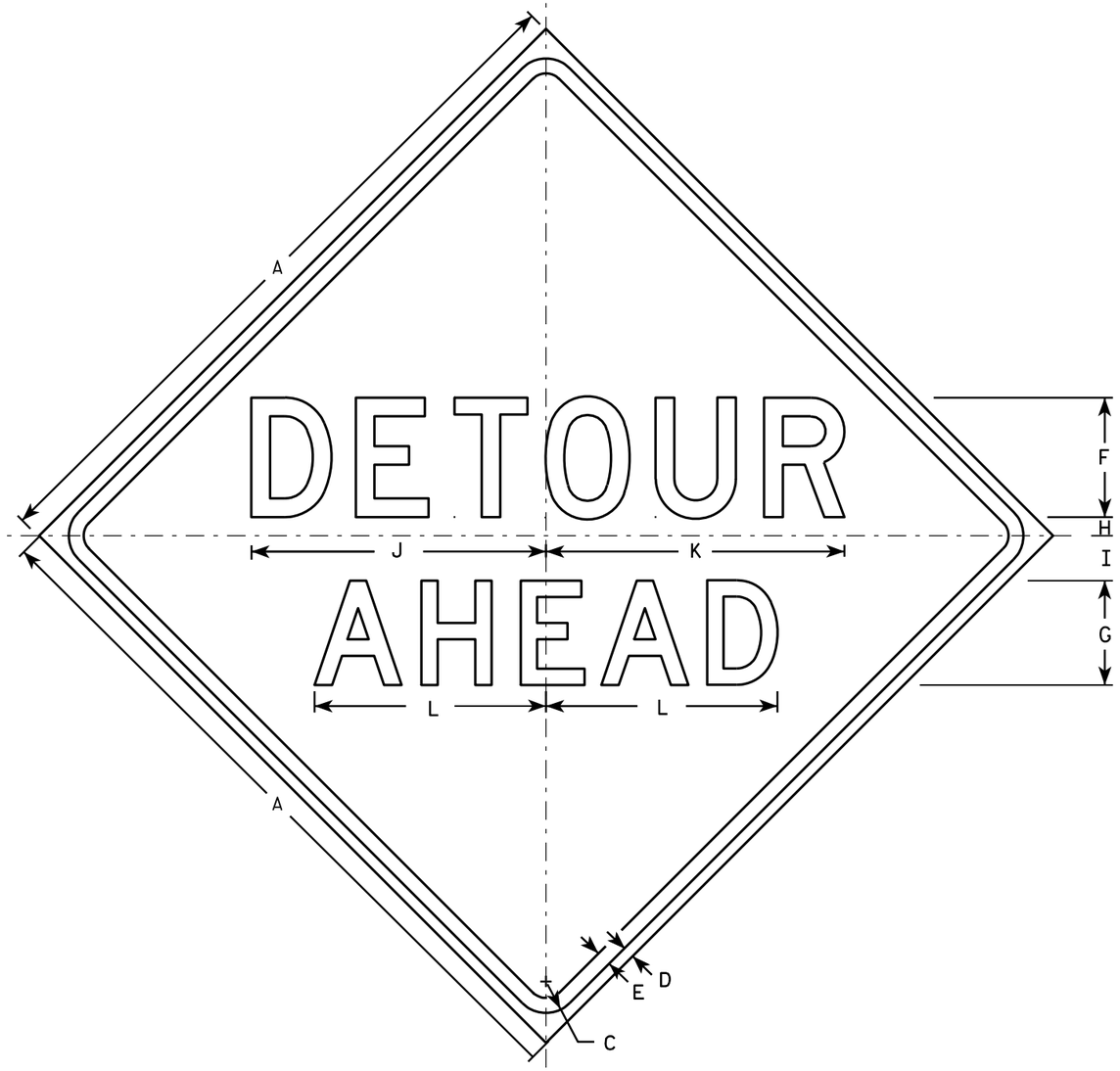
APPROVED Matthew R Rauch
for State Traffic Engineer

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

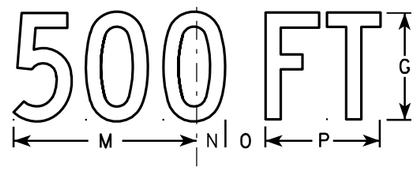
PROJECT NO:

SHEET NO: E

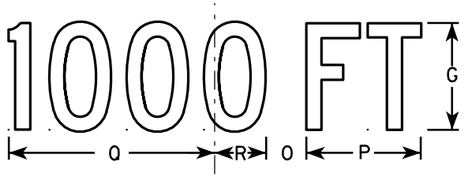
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



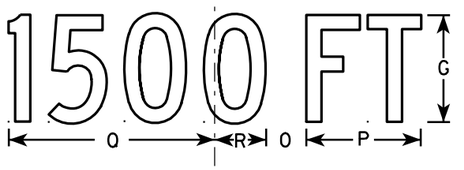
W20-2A



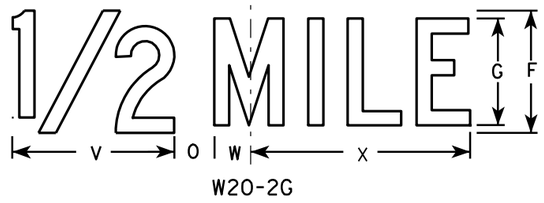
W20-2D



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

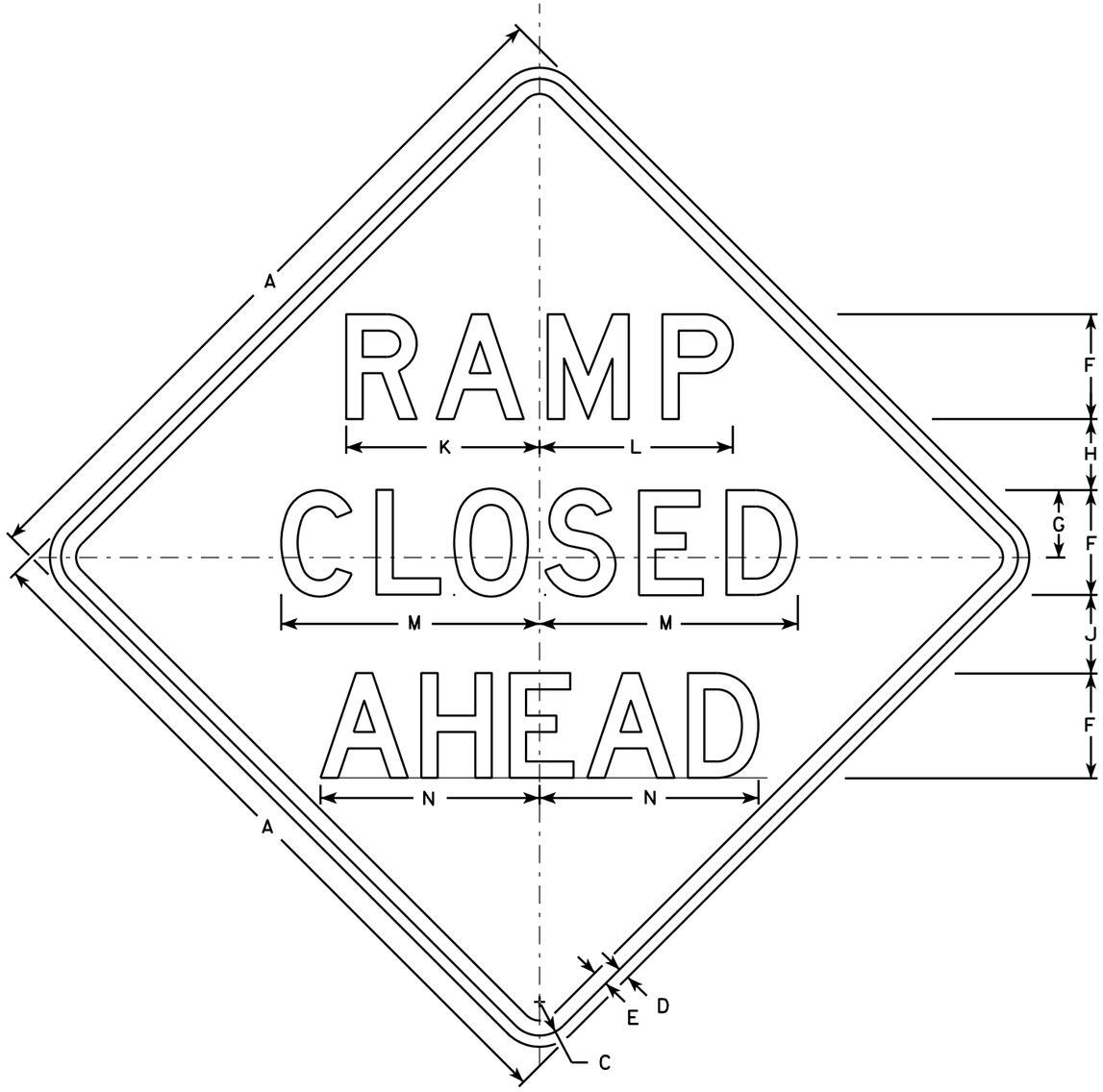
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

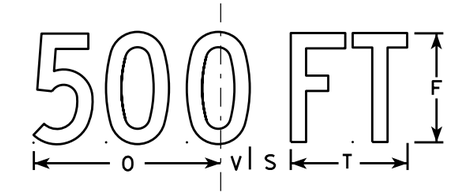
APPROVED Matthew R Rauch
for State Traffic Engineer

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

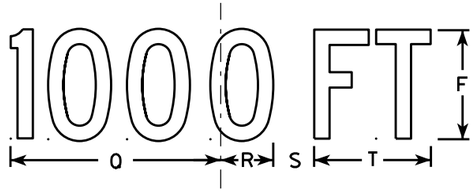
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 538	E



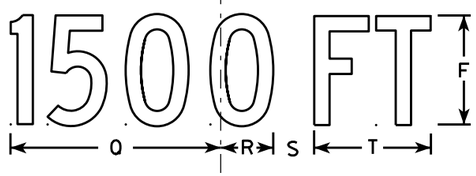
W20-53A



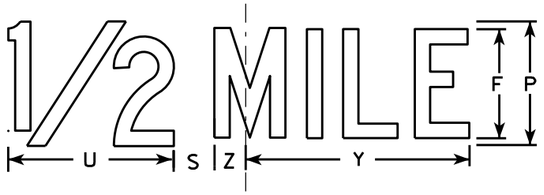
W20-53D



W20-53C



W20-53B



W20-53G

W20-53F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-53A,B,C,D,F,G

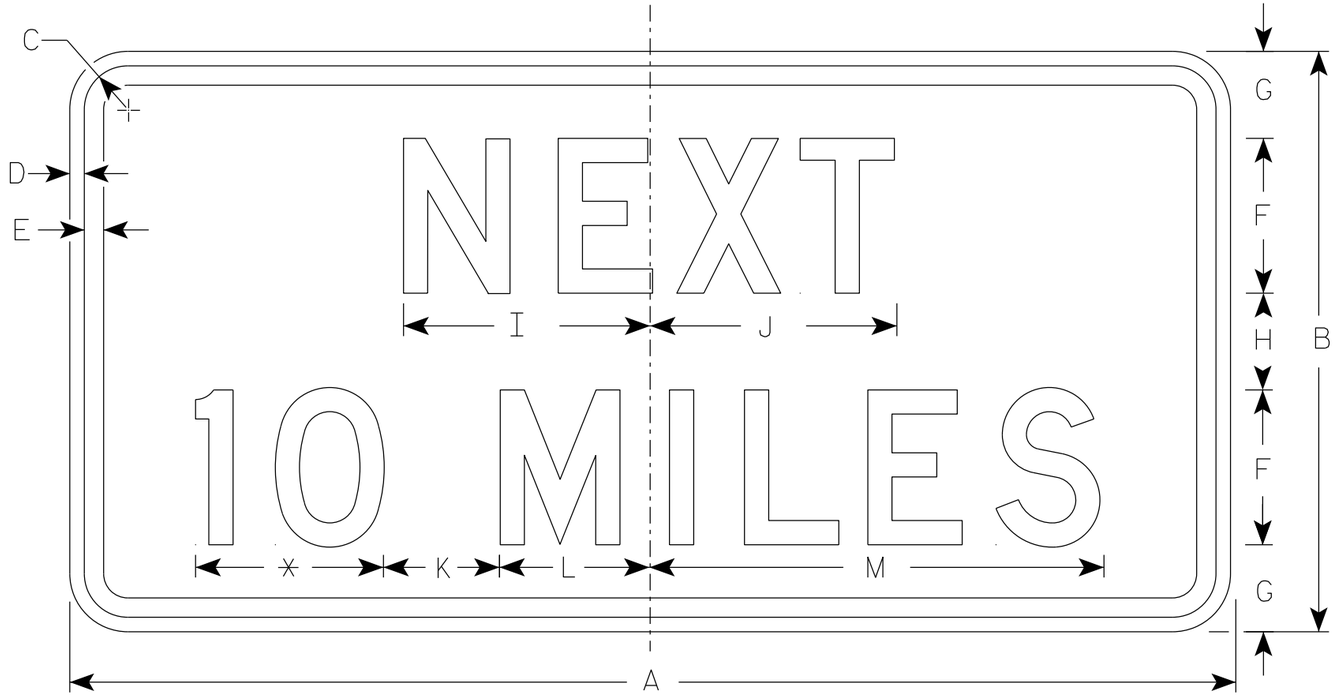
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/27/15 PLATE NO. W20-53.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2053.DGN PLOT DATE : 27-MAY-2015 19:40 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.729210:1.000000
WISDOT/CADDS SHEET 42



W57-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Round distance to nearest whole Mile and 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	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	5	5 1/8	3	2 3/4	9 5/8														2.0
2S	30	15	1 1/8	3/8	1/2	4	2 1/2	2	6 3/8	6 3/8	3	3 7/8	11 3/4														3.13
2M	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

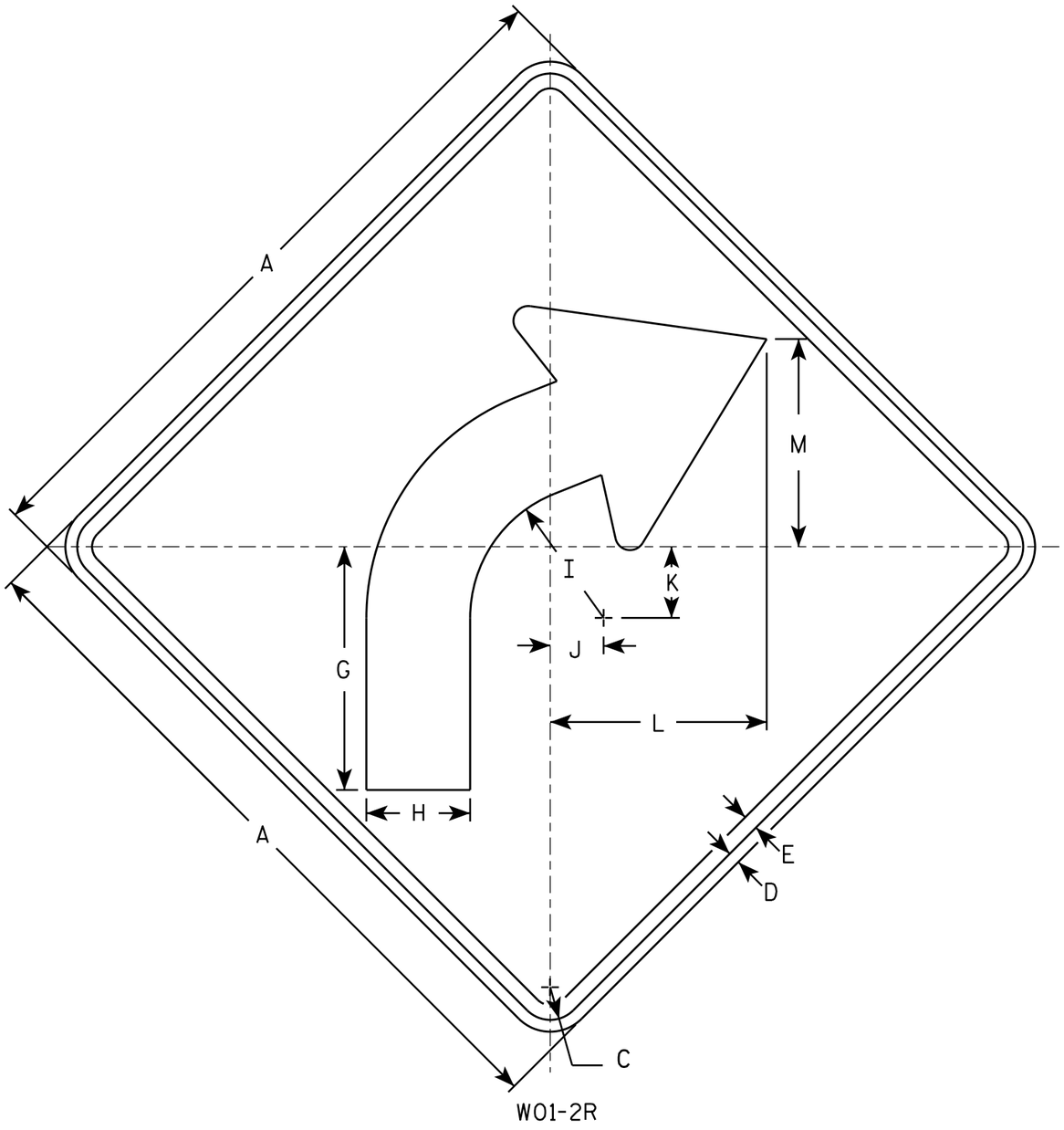
STANDARD SIGN
W57-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W57-51.11

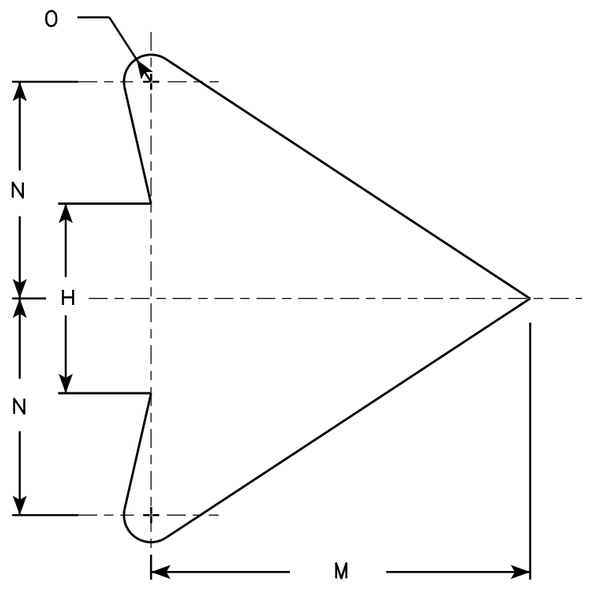
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 540 | E



W01-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W01-2

WISCONSIN DEPT OF TRANSPORTATION

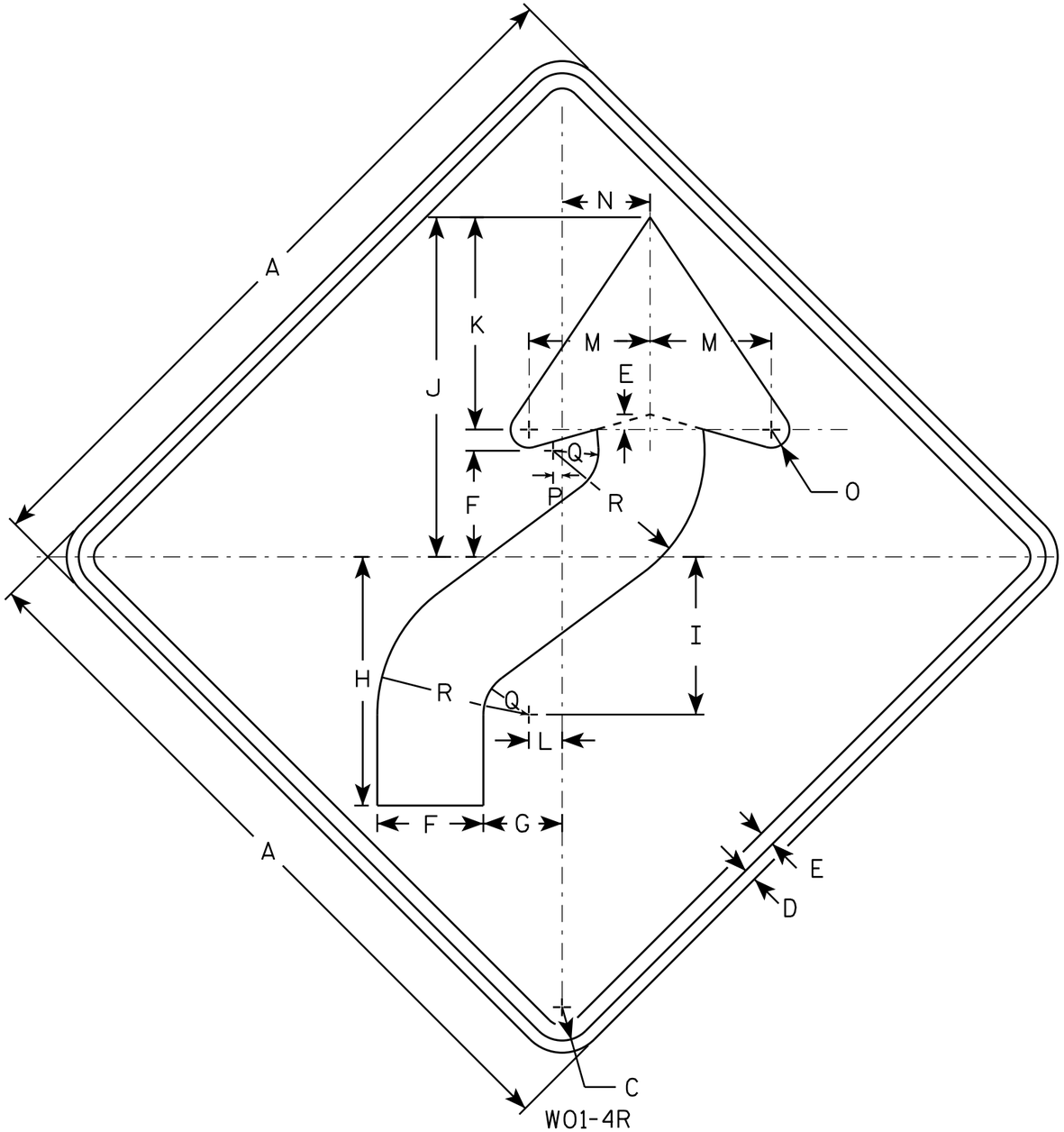
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

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

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.992871:1.000000 WISDOT/CADDS SHEET 42



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

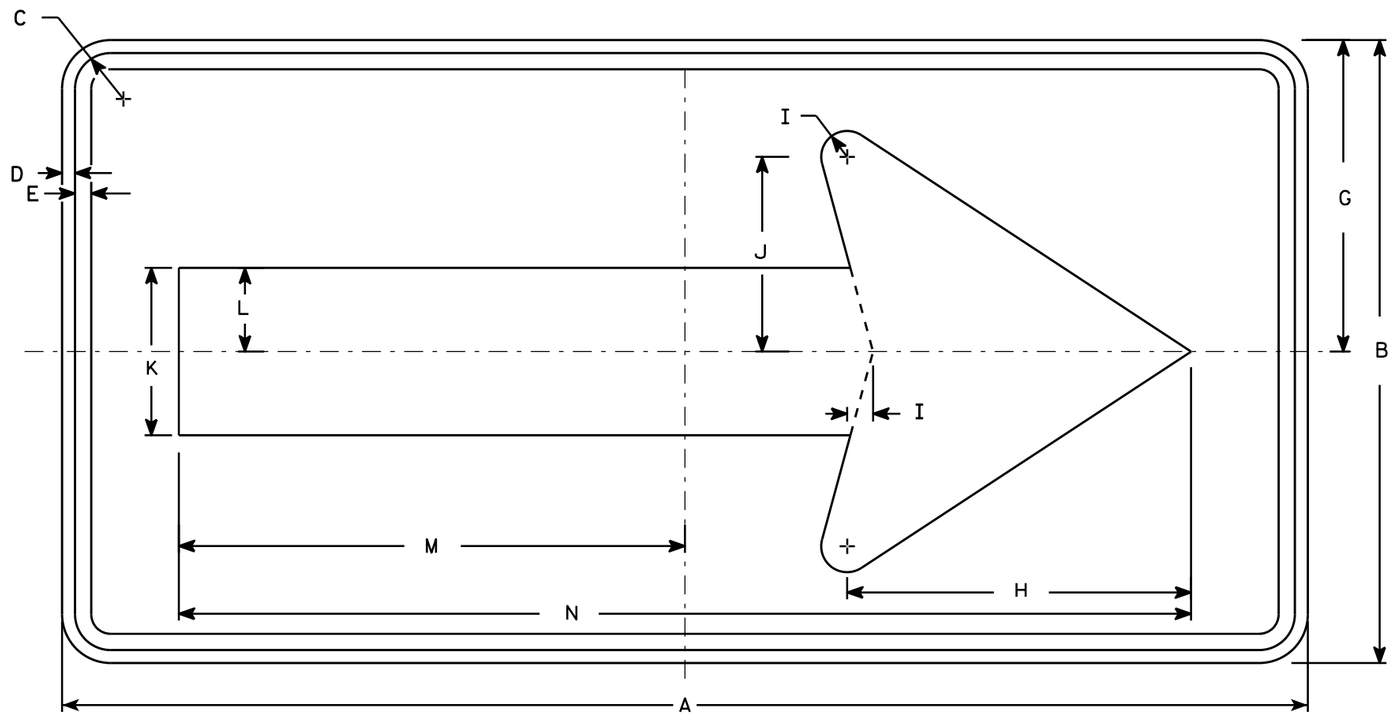
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

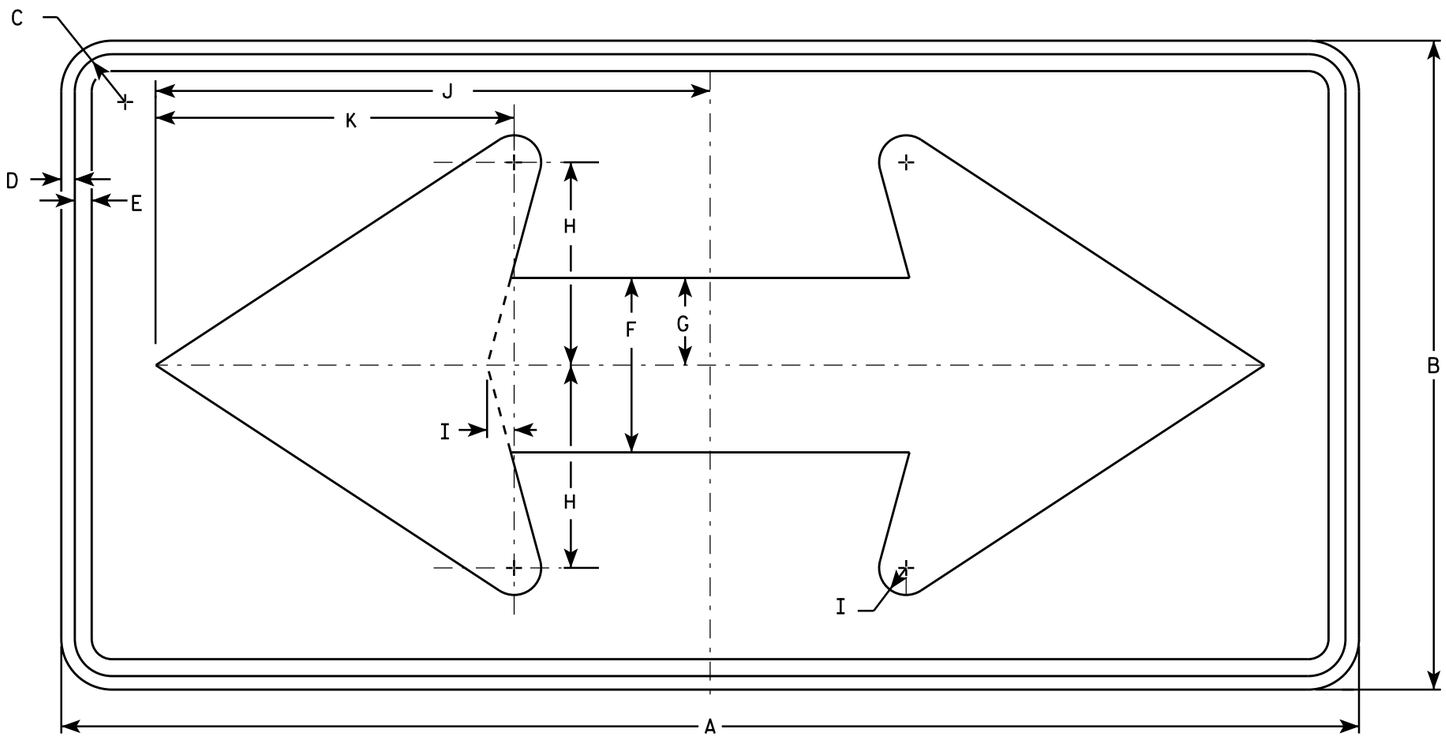
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

STANDARD SIGN
W01-7

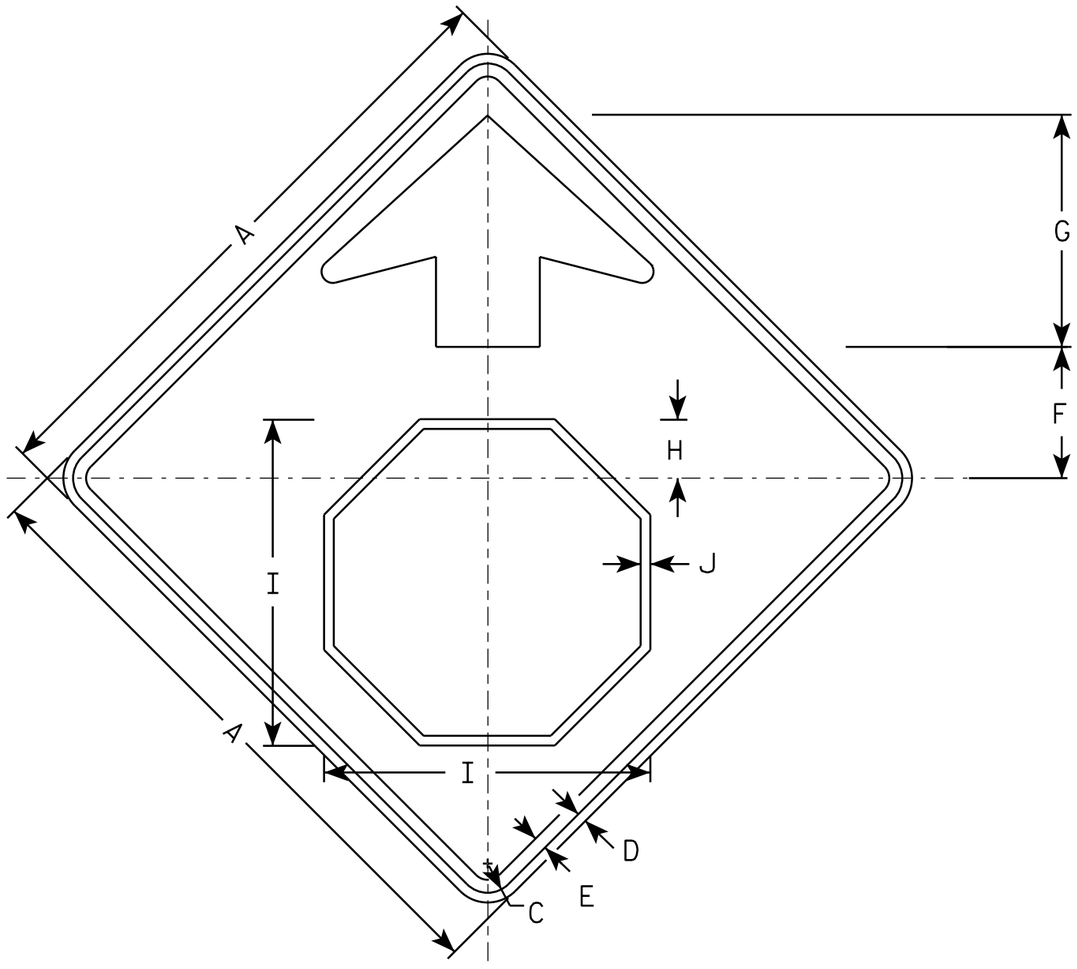
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1544 W01-7.1

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

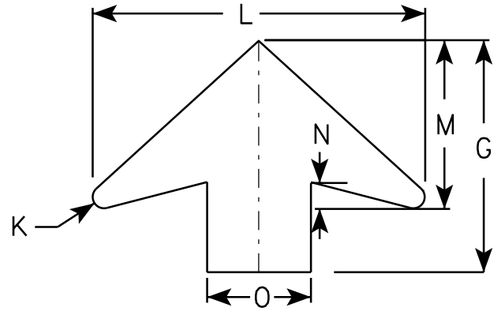
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000
WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

WISCONSIN DEPT OF TRANSPORTATION

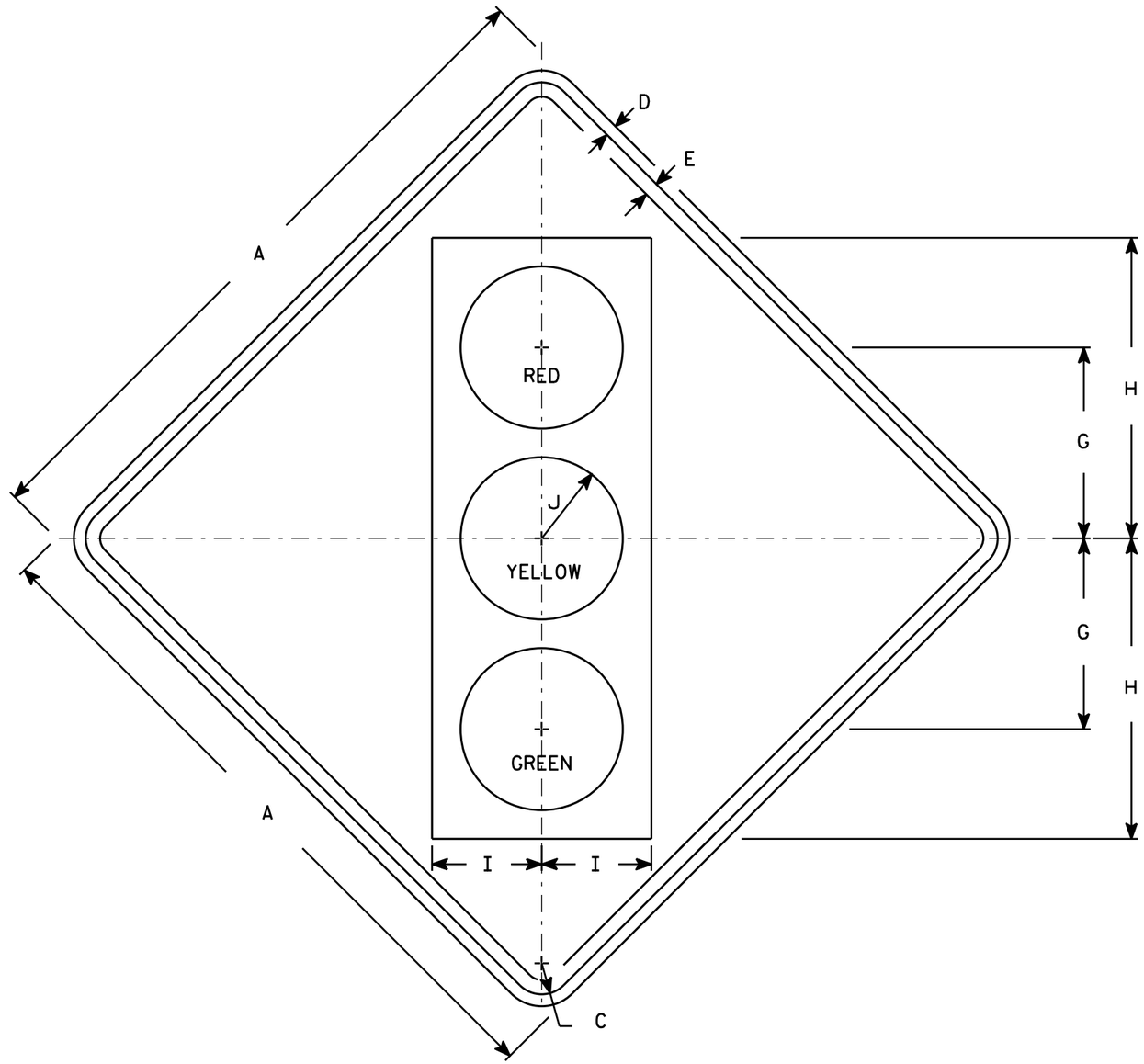
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 545 03-1.1

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W03-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - 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	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2S	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
2M	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
3	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
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

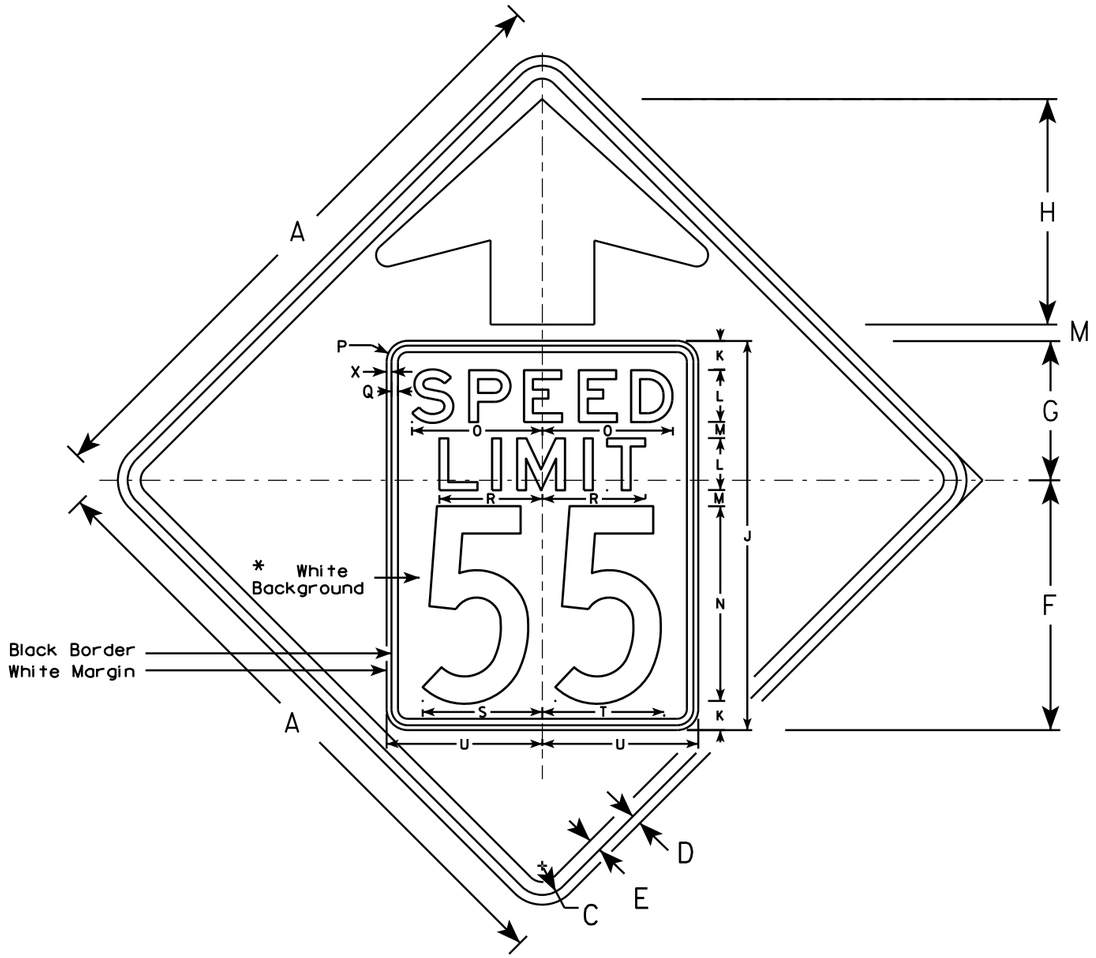
STANDARD SIGN
W03-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 546 W03-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

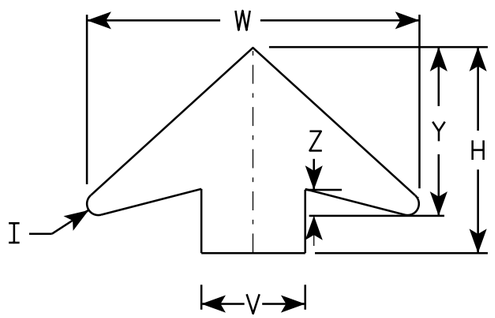


W03-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - ORANGE*
   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	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
2S	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
2M	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
3	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
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
W03-5

WISCONSIN DEPT OF TRANSPORTATION

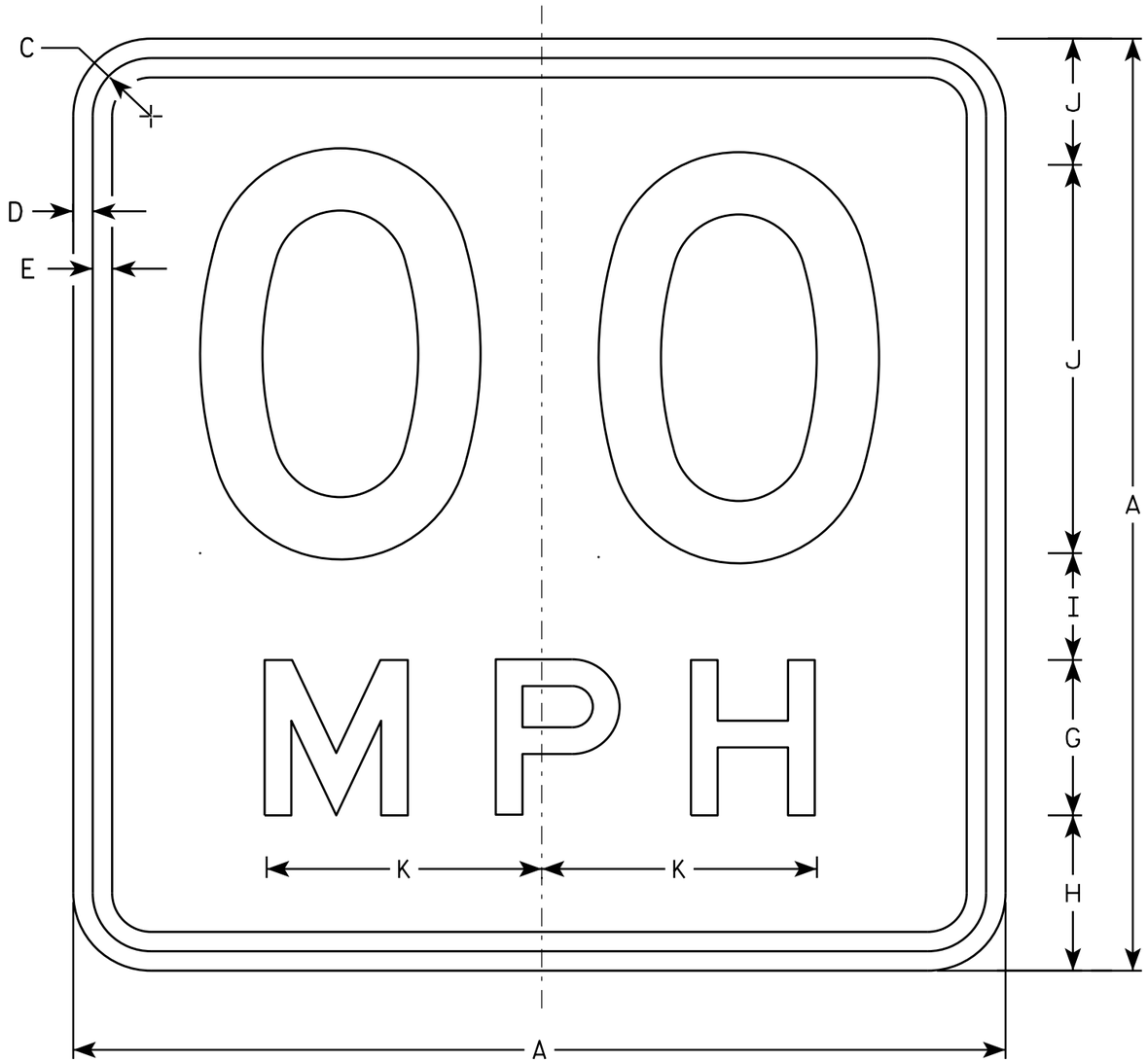
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-5.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

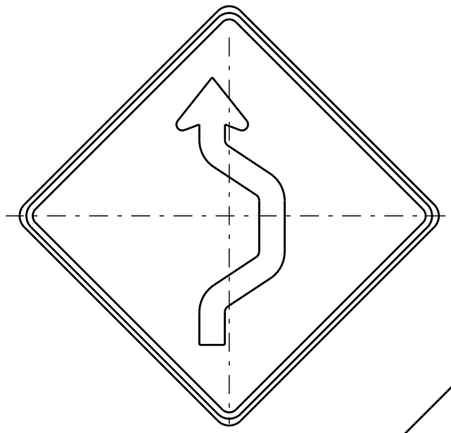
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

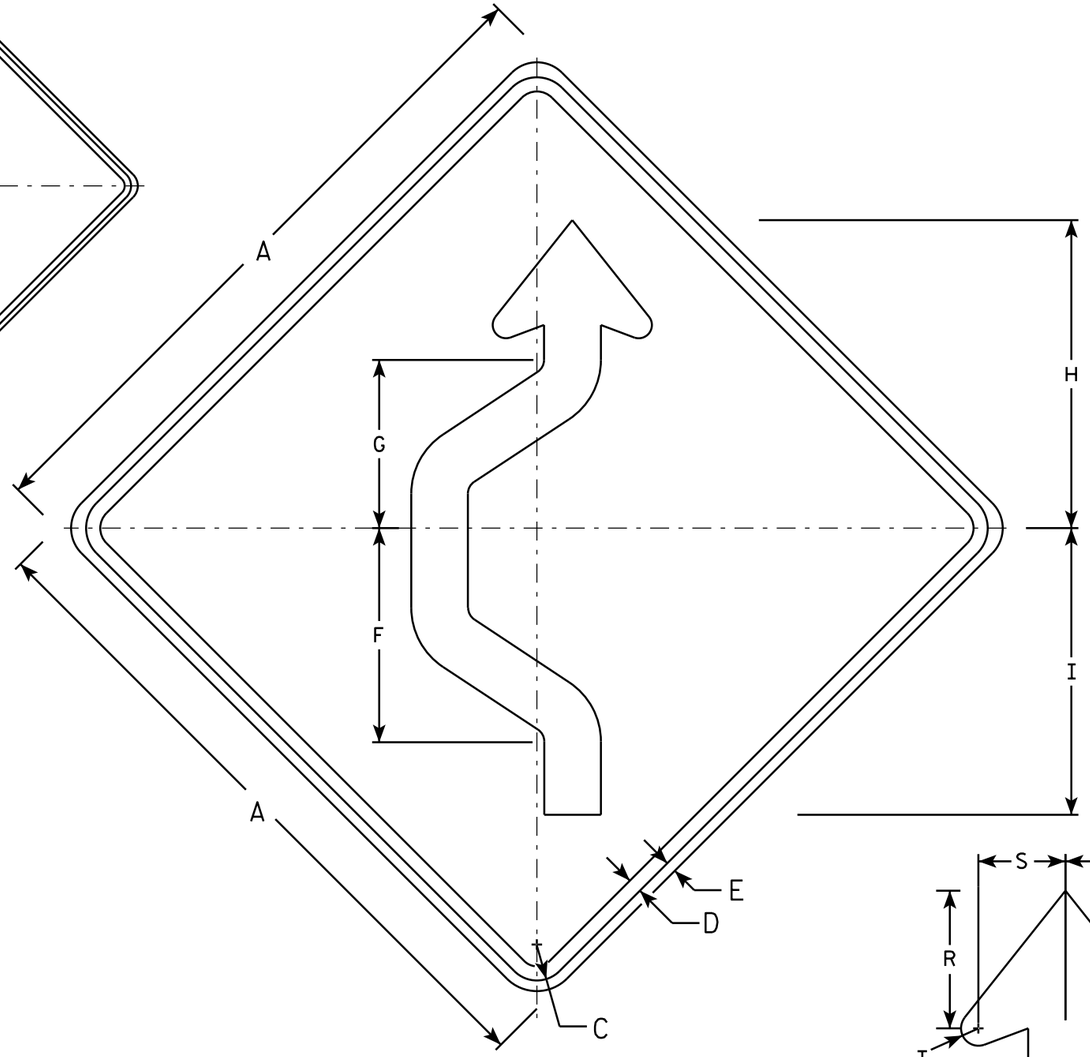
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 548 W013-1.1

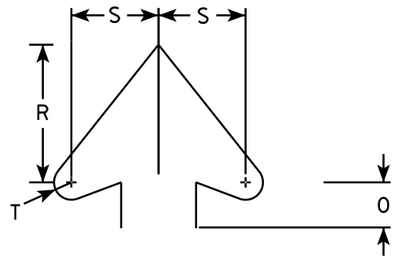
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W024-1R



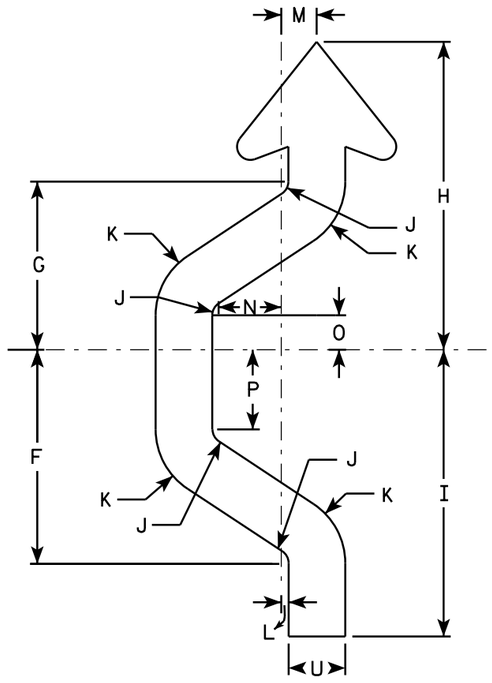
W024-1L



Arrowhead 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 - 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. W024-1R is the same as W024-1L except reversed along the vertical centerline.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 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
2S	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
2M	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
3	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
4	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
5	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

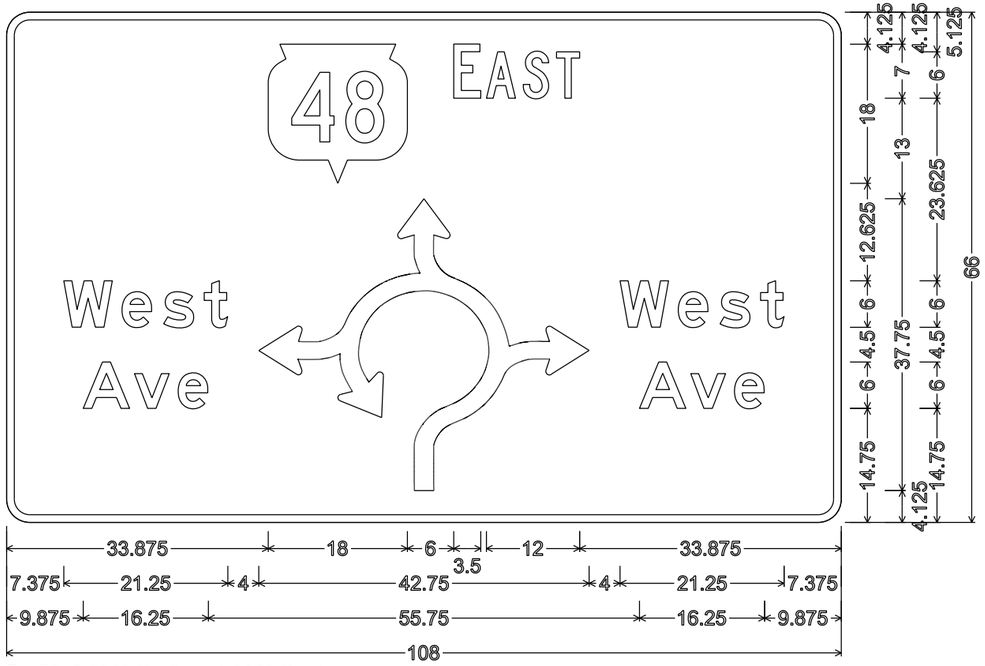
DATE 9/25/2013 PLATE NO. W024-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

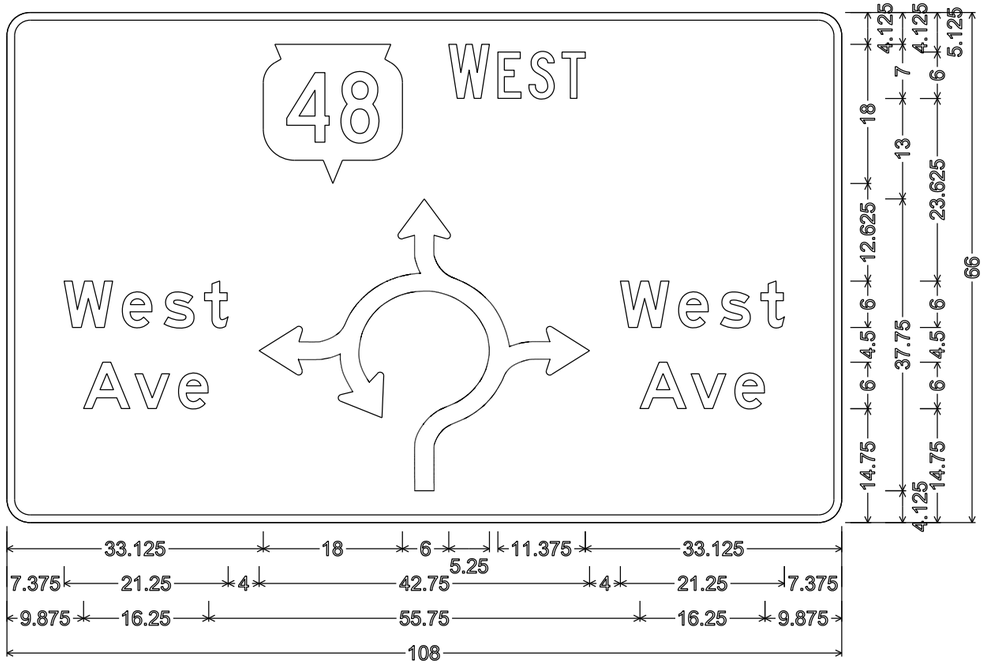
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0241.DGN PLOT DATE : 25-SEP-2013 13:08 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000
WISDOT/CADDS SHEET 42

NOTES

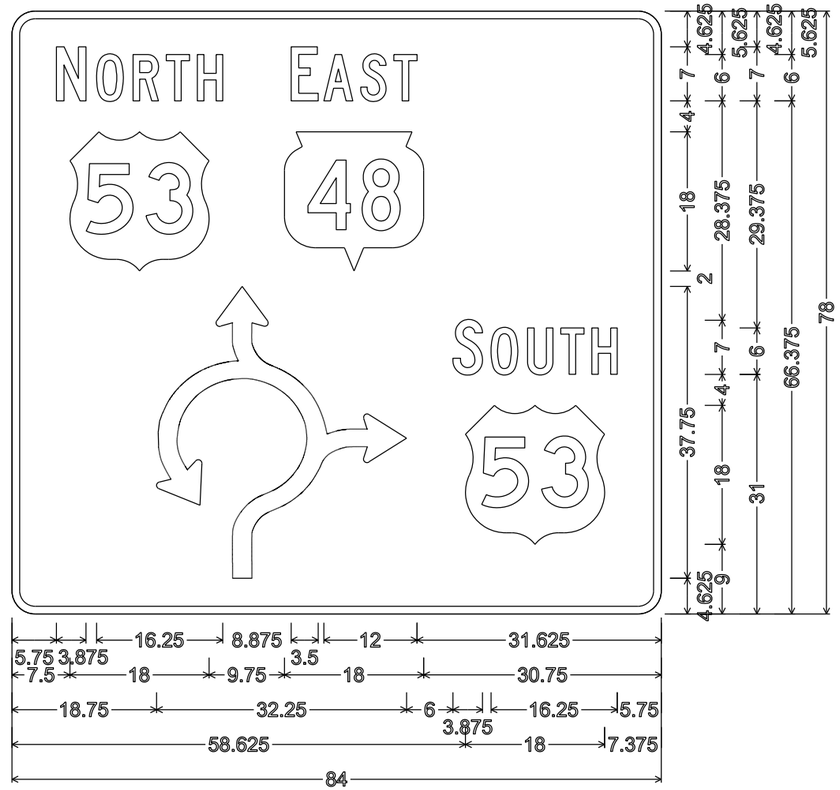
1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



D1-62; 3.000" Radius, 1.000" Border,
"EAST" C

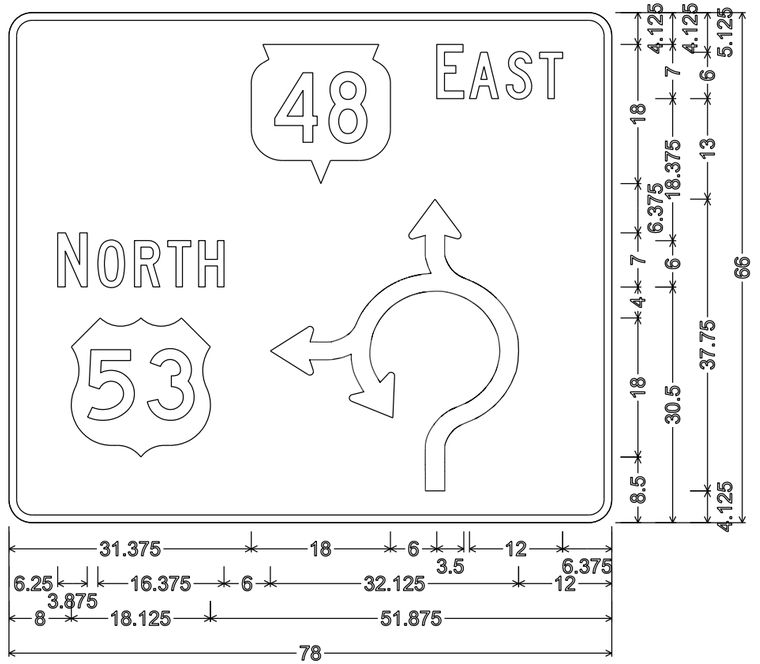


D1-62; 3.000" Radius, 1.000" Border,
"WEST" C

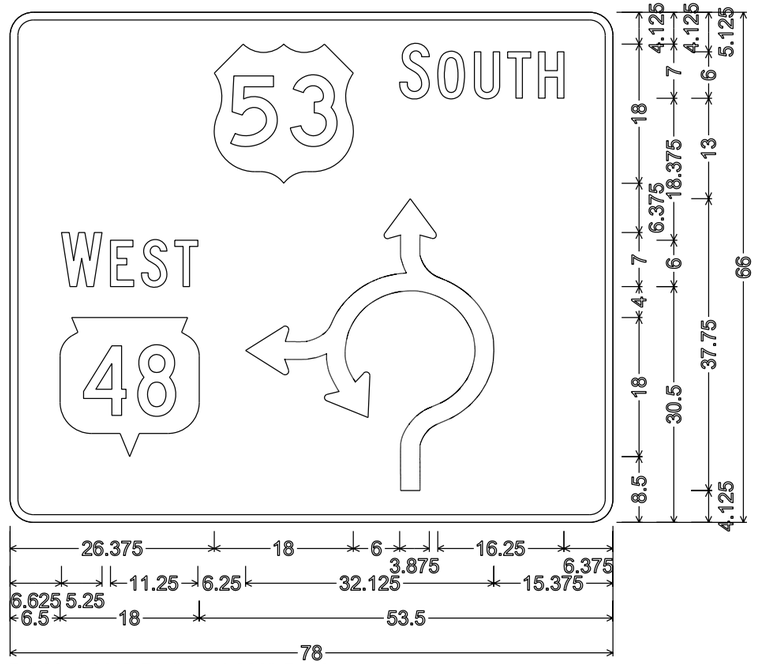


D1-62; 3.000" Radius, 1.000" Border,
"NORTH" C; "EAST" C; "SOUTH" C

D1-1; 2.250" Radius, 0.750" Border



D1-62; 3.000" Radius, 1.000" Border,
"EAST" C; "NORTH" C

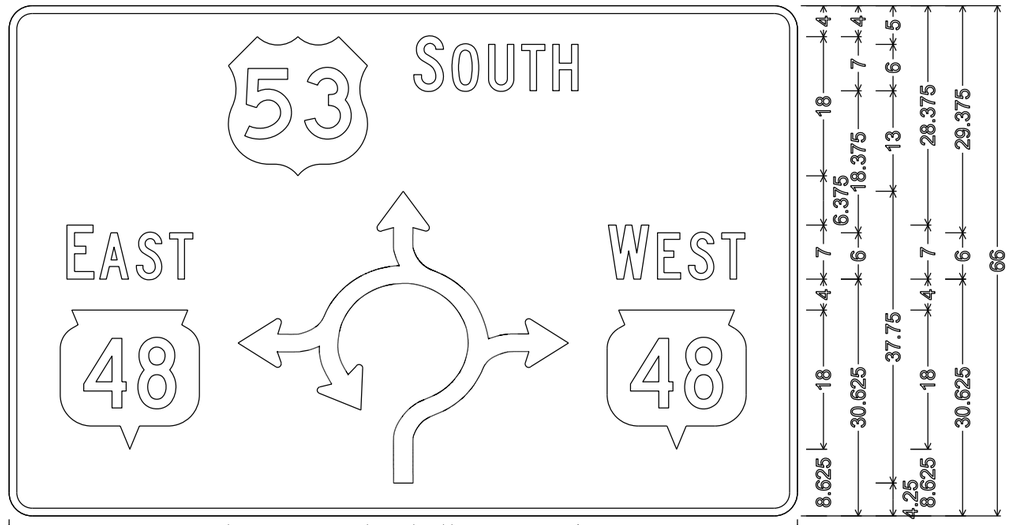


D1-62; 3.000" Radius, 1.000" Border,
"SOUTH" C; "WEST" C

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted

D1-62; 3.000" Radius, 1.000" Border,
"WEST" C; "EAST" C

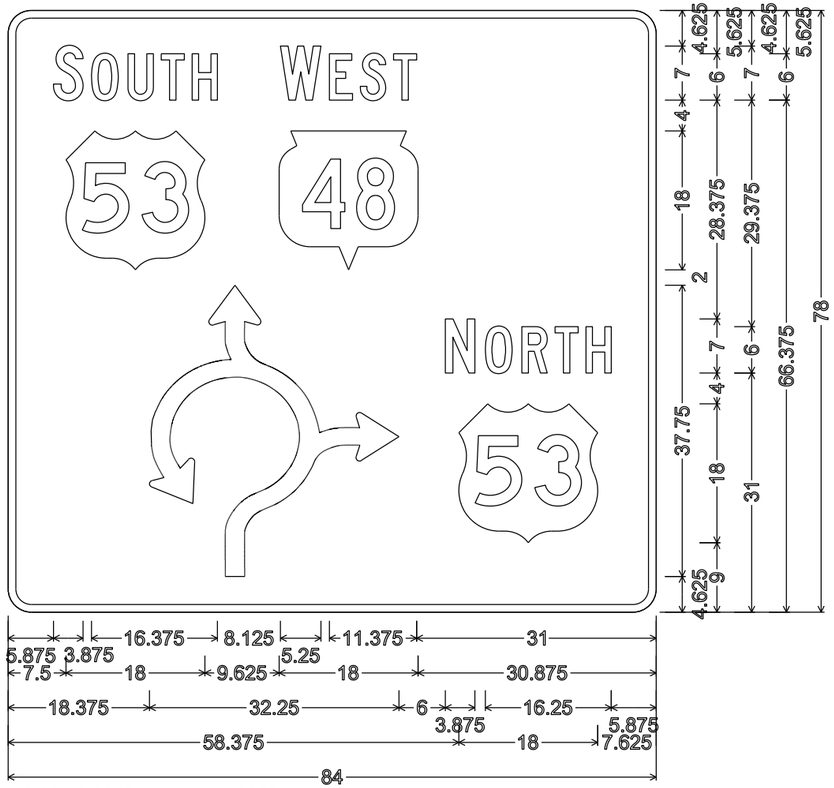


D1-62 ; 3.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C; "WEST" C

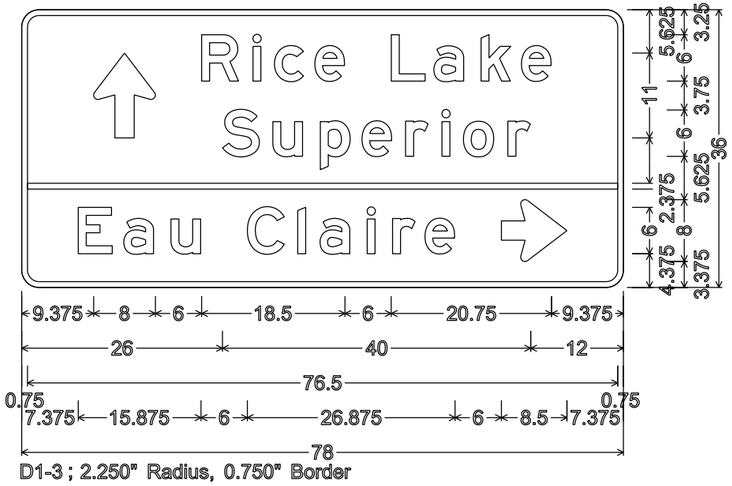
PROJECT NO: 1197-19-70	HWY: USH 53/STH 48	COUNTY: BARRON	PERMANENT SIGNING	SHEET NO: 551	E

NOTES

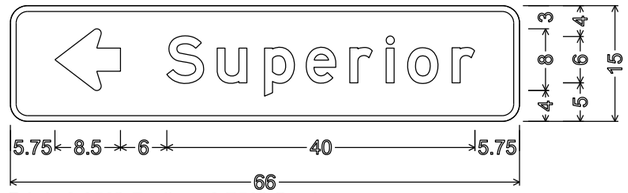
1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



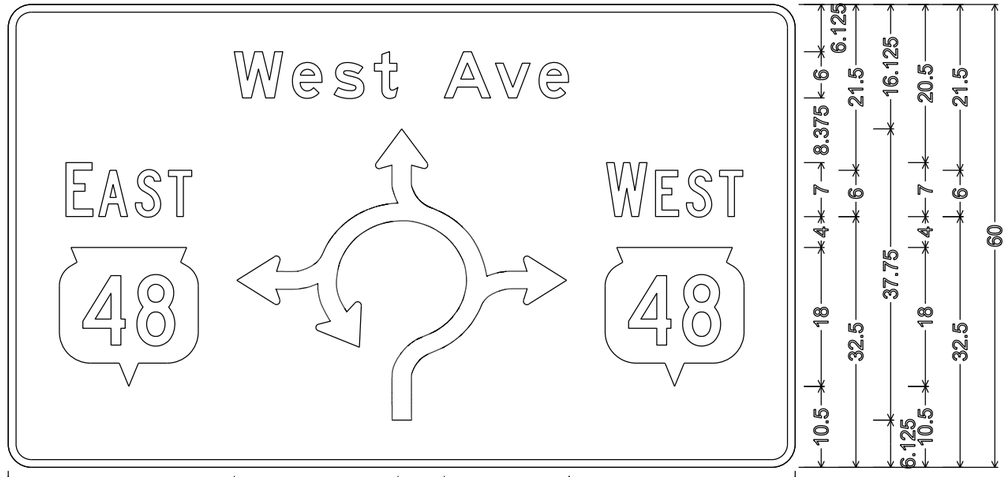
D1-62 ; 3.000" Radius, 1.000" Border,
"SOUTH" C; "WEST" C; "NORTH" C



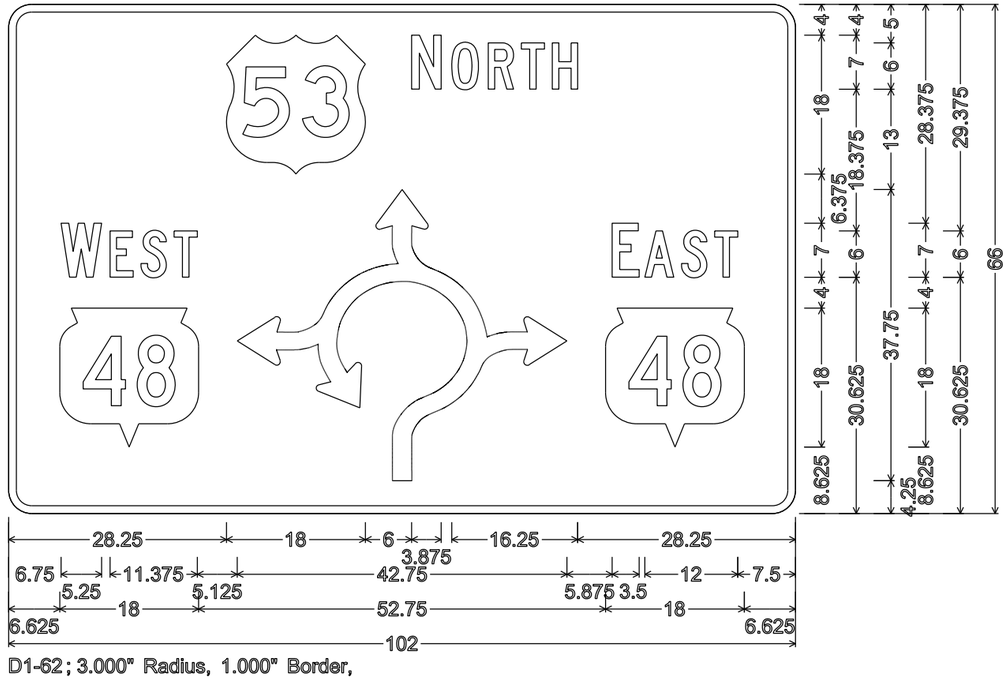
D1-3 ; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border

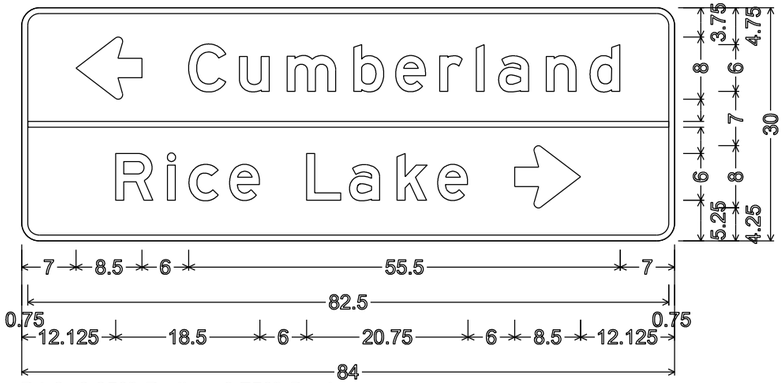


D1-62 ; 3.000" Radius, 1.000" Border,
"EAST" C; "WEST" C

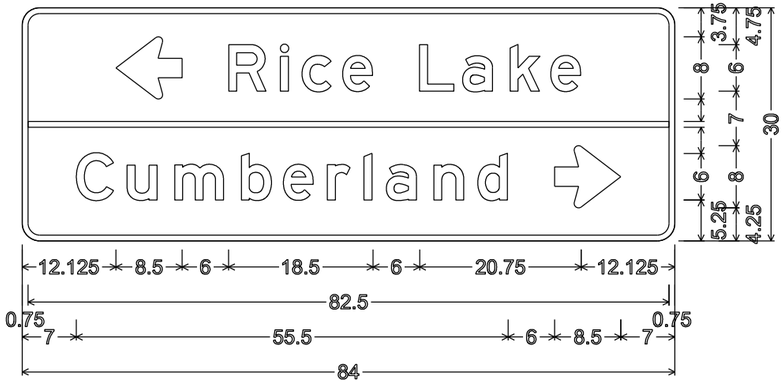


D1-62 ; 3.000" Radius, 1.000" Border,
"NORTH" C; "WEST" C; "EAST" C

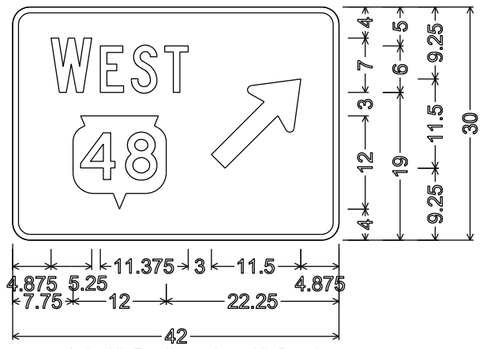
PROJECT NO: 1197-19-70	HWY: USH 53/STH 48	COUNTY: BARRON	PERMANENT SIGNING	SHEET NO: 552	E



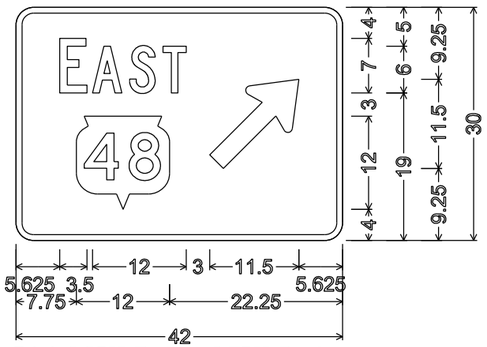
D1-2 ; 2.250" Radius, 0.750" Border



D1-2 ; 2.250" Radius, 0.750" Border



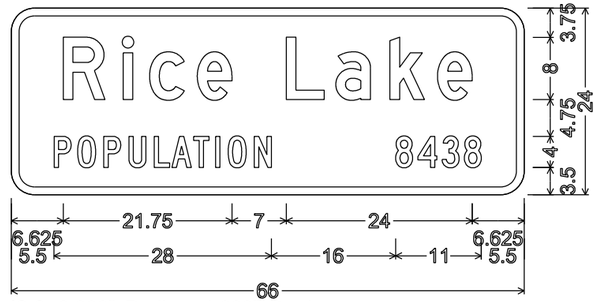
D1-1; 2.250" Radius, 0.750" Border, "WEST" C



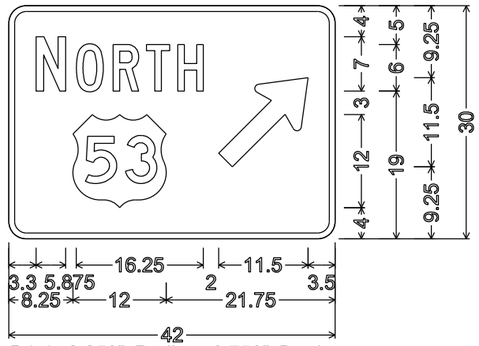
D1-1; 2.250" Radius, 0.750" Border, "EAST" C

NOTES

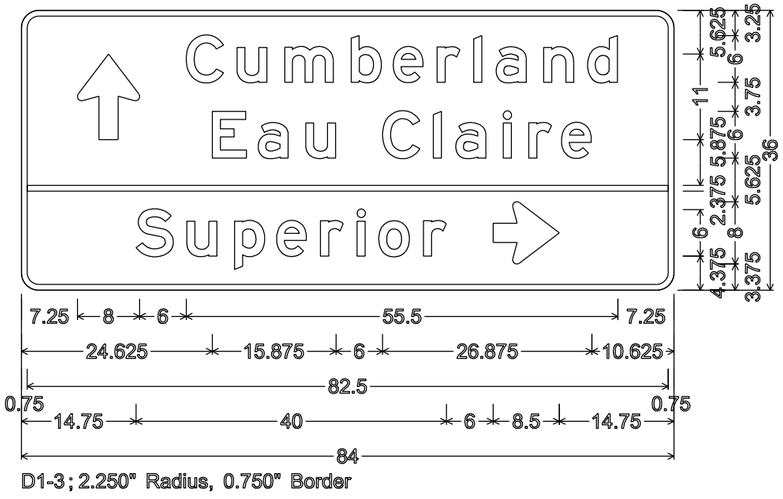
1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



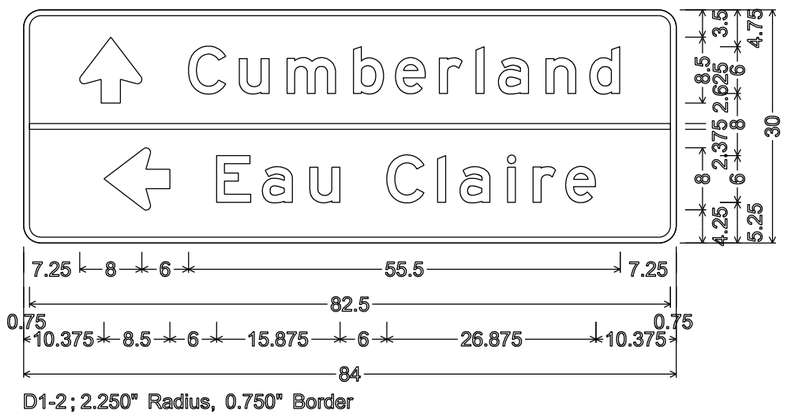
I2-3 ; 3.000" Radius, 1.000" Border, "Rice" D; "Lake" D; "POPULATION" C ; "8438" C



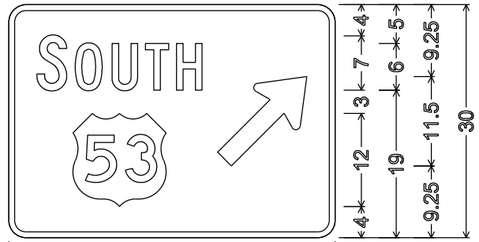
D1-1; 2.250" Radius, 0.750" Border, "NORTH" C



D1-3 ; 2.250" Radius, 0.750" Border



D1-2 ; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border, "SOUTH" C

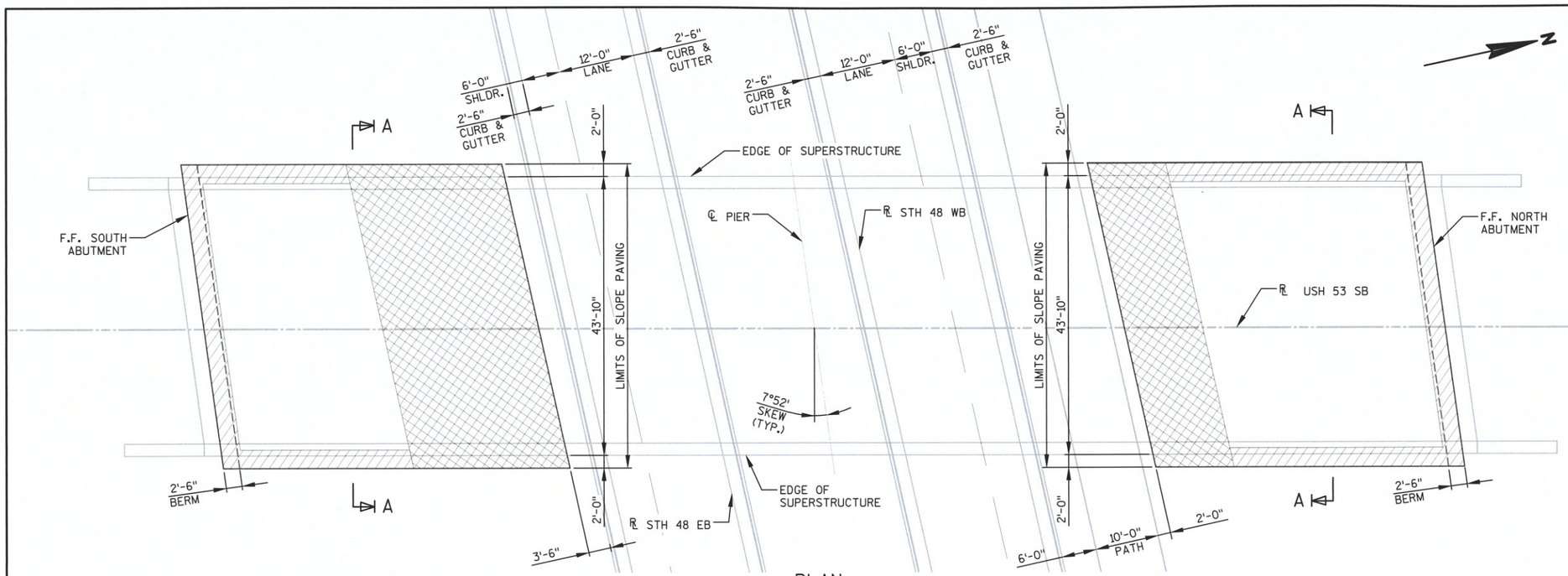
7

7

PROJECT NO: 1197-19-70	HWY: USH 53/STH 48	COUNTY: BARRON	PERMANENT SIGNING	SHEET NO: 553	E

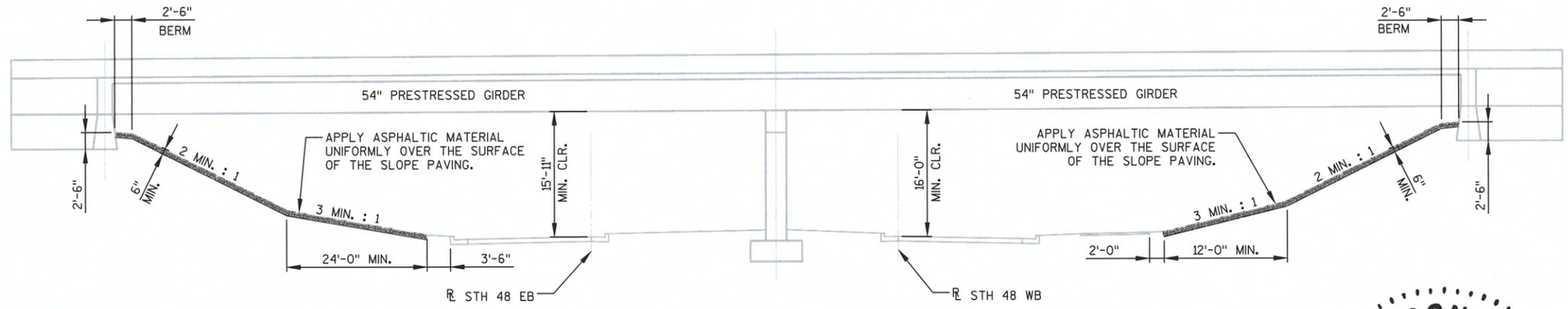
STATE PROJECT NUMBER

1197-19-70



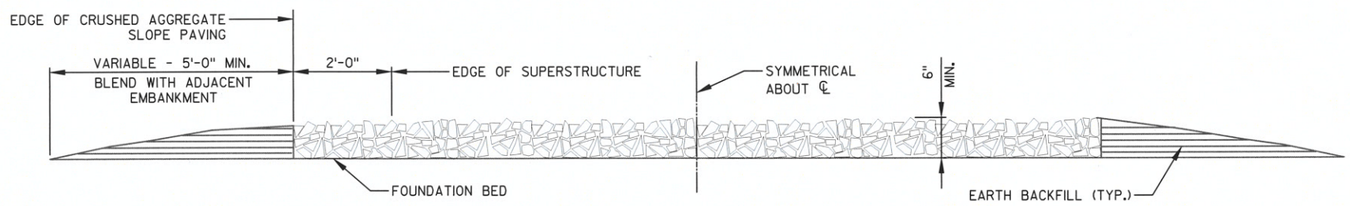
PLAN

2-SPAN 54" PRESTRESSED GIRDER BRIDGE



ELEVATION

(LOOKING WEST)



SECTION A-A

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTALS
204.9180.S	REMOVING CRUSHED AGGREGATE SLOPE PAVING	SY	205
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	205
604.9010.S	SLOPE PAVING REPAIR CRUSHED AGGREGATE	CY	13
604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	318

DESIGN DATA:

DESIGN LOADING: HS20 (TAKEN FROM HSI, 3/28/2019)
INVENTORY RATING: HS22 (TAKEN FROM HSI, 3/28/2019)
OPERATING RATING: HS49 (TAKEN FROM HSI, 3/28/2019)
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS (TAKEN FROM HSI, 3/28/2019)

TRAFFIC DATA:

STH 48
ADT (2020) = 5300
ADT (2040) = 7300
DESIGN SPEED = 40 MPH

GENERAL NOTES:

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

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

ROUND STONE WILL NOT BE ACCEPTED.

COORDINATE CRUSHED AGGREGATE SLOPE PAVING WITH STH 48 RE-CONSTRUCTION.

LEGEND:

SLOPE PAVING REPAIR. AMOUNT AND LOCATION TO BE DETERMINED BY ENGINEER.

REMOVAL OF EXISTING SLOPE PAVING AND PLACEMENT OF NEW CRUSHED AGGREGATE SLOPE PAVING. EXACT LIMITS TO BE DETERMINED BY ENGINEER.

F.F. - FRONT FACE

WISCONSIN
MICHELLE K. GEHRKE
E-39040
FT. ATKINSON
WI
PROFESSIONAL ENGINEER

Michelle K Gehrke
5/31/2019

BRIDGE OFFICE CONTACT
WILLIAM DREHER, P.E.
TELEPHONE: (608) 266-8489
CONSULTANT CONTACT
MICHELLE GEHRKE, P.E.
TELEPHONE: (414) 935-4243

NO.	DATE	REVISION	BY

Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
608.273.6380
www.meadhunt.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/05/19
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-3-48

USH 53 SB OVER STH 48

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
BARRON	RICE LAKE

DESIGN SPEC. N/A

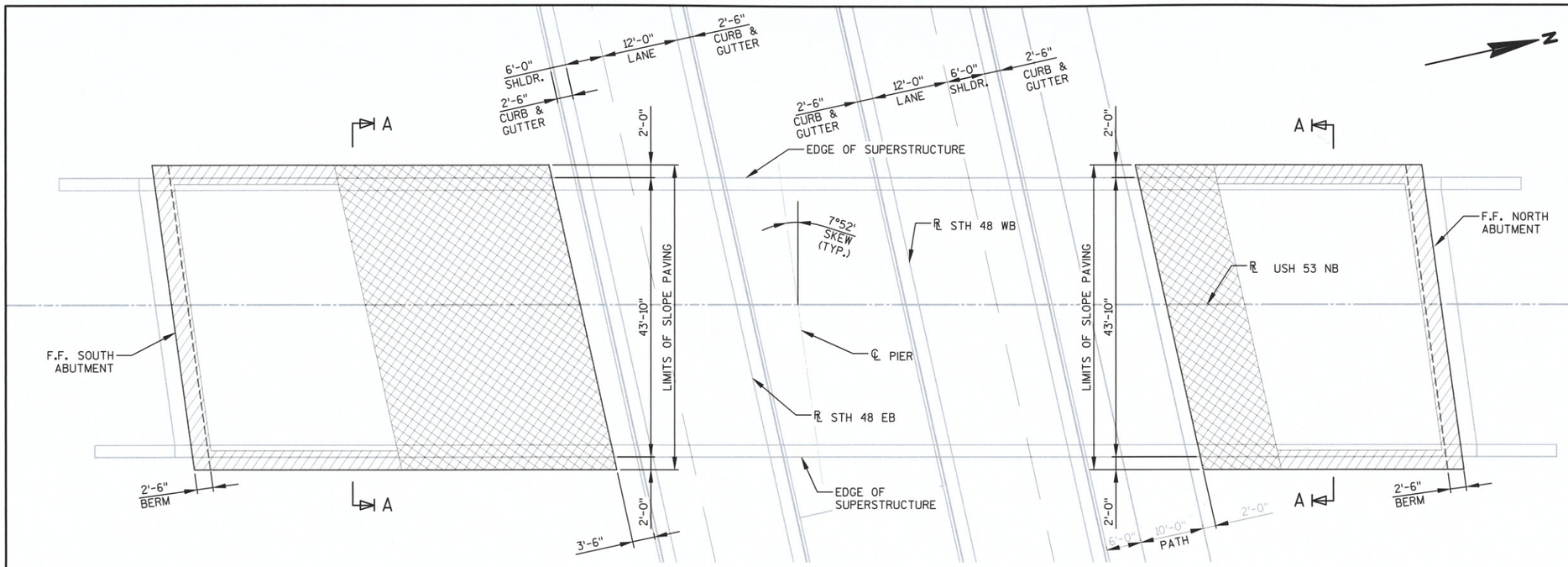
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MKG	MJB	MKG	MJB

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 554 1

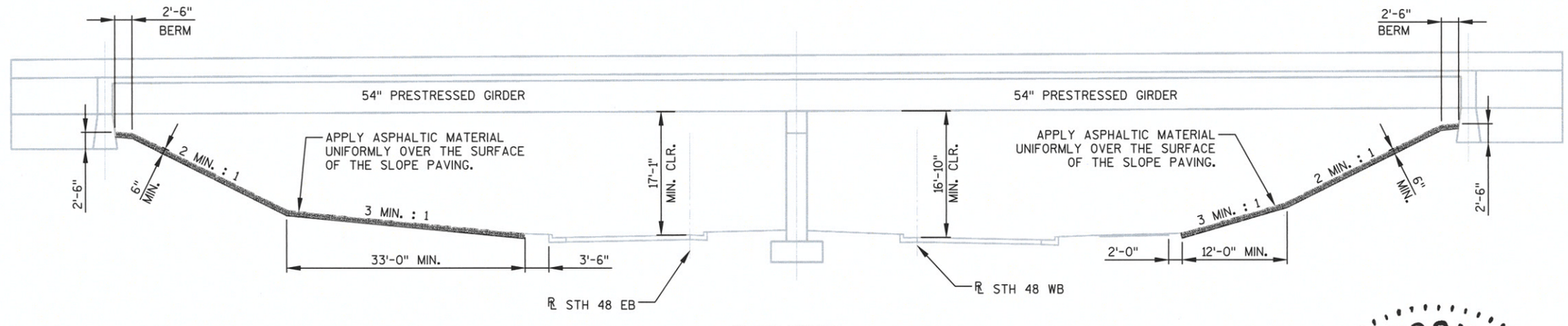
8

8



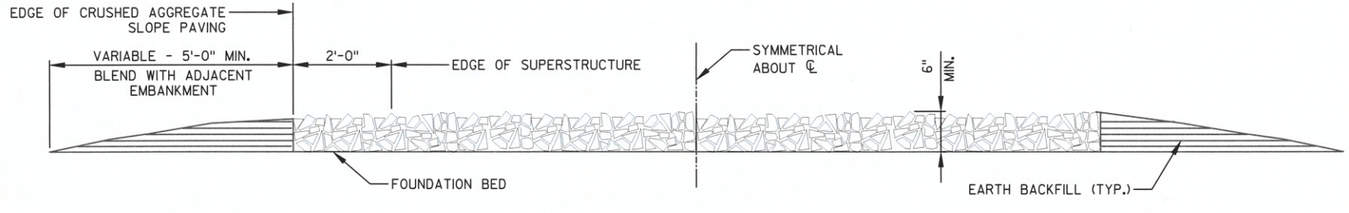
PLAN

2-SPAN 54" PRESTRESSED GIRDER BRIDGE



ELEVATION

(LOOKING WEST)



SECTION A-A

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	TOTALS
204.9180.S	REMOVING CRUSHED AGGREGATE SLOPE PAVING	SY	246
604.0500	SLOPE PAVING CRUSHED AGGREGATE	SY	246
604.9010.S	SLOPE PAVING REPAIR CRUSHED AGGREGATE	CY	14
604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	290

STATE PROJECT NUMBER

1197-19-70

DESIGN DATA:

DESIGN LOADING: HS20 (TAKEN FROM HSI, 3/28/2019)
INVENTORY RATING: HS25 (TAKEN FROM HSI, 3/28/2019)
OPERATING RATING: HS46 (TAKEN FROM HSI, 3/28/2019)
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS (TAKEN FROM HSI, 3/28/2019)

TRAFFIC DATA:

STH 48
ADT (2020) = 5300
ADT (2040) = 7300
DESIGN SPEED = 40 MPH

GENERAL NOTES:

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

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTUE PLANS.

WOOD FORMS MAY BE LEFT IN PLACE WHEN OF A QUALITY ACCEPTABLE TO THE ENGINEER.

ROUND STONE WILL NOT BE ACCEPTED.

COORDINATE CRUSHED AGGREGATE SLOPE PAVING WITH STH 48 RE-CONSTRUCTION.

LEGEND:

SLOPE PAVING REPAIR. AMOUNT AND LOCATION TO BE DETERMINED BY ENGINEER.

REMOVAL OF EXISTING SLOPE PAVING AND PLACEMENT OF NEW CRUSHED AGGREGATE SLOPE PAVING. EXACT LIMITS TO BE DETERMINED BY ENGINEER.

F.F. - FRONT FACE

WISCONSIN
MICHELLE K. GEHRKE
E-39040
FT. ATKINSON
WI
PROFESSIONAL ENGINEER

Michelle K. Gehrke
5/31/2019

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CONSULTANT CONTACT
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NO.	DATE	REVISION	BY

Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
608.273.6380
www.meadhunt.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED William C. Dreher SDR 08/05/19
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-3-49

USH 53 NB OVER STH 48

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
BARRON	RICE LAKE

DESIGN SPEC. N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
MKG	MJB	MKG	MJB

SLOPE PAVING (CRUSHED AGGREGATE)

SHEET 555 1

FILE NAME: X:\3230700\161055.01\TECH\CAD\1197190\SHEETSPLAN\080201_GP.DWG PLOT DATE: 4/23/2019 PLOT BY: MICHELLE GEHRKE PLOT SCALE: ##############

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - STH 48 STAGE 1 (10+47.49 - 34+37.92) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
10+47.49	6.5	0.0	0	0	0	0	0
11+00.00	6.8	0.0	13	0	13	0	13
11+50.00	11.0	0.0	16	0	29	0	29
12+00.00	14.9	0.0	24	0	53	0	53
12+50.00	26.9	0.0	39	0	92	0	92
13+00.00	25.3	8.0	48	10	141	10	131
13+50.00	27.6	9.9	49	22	190	31	158
14+00.00	29.4	10.1	53	24	242	55	187
14+50.00	30.9	10.0	56	24	298	79	219
15+00.00	33.3	6.0	59	19	358	99	259
15+50.00	37.7	6.4	66	15	423	113	310
16+00.00	37.9	7.8	70	17	493	130	363
16+50.00	37.4	6.2	70	17	563	147	416
17+00.00	36.6	7.6	69	17	632	164	468
17+17.01	12.1	6.1	15	6	647	169	477
17+49.30	32.7	0.0	27	5	674	174	500
17+86.58	30.9	0.0	44	0	718	174	543
18+00.00	16.9	6.8	12	2	729	176	553
18+50.00	15.9	7.5	30	17	760	194	566
19+00.00	13.5	6.6	27	17	787	211	576
19+50.00	12.3	3.6	24	12	811	223	588
20+00.00	11.6	4.3	22	9	833	233	601
20+39.00	11.6	4.3	17	8	850	241	609
24+15.00	24.4	0.0	0	0	850	241	609
24+50.00	21.2	0.0	30	0	879	241	639
25+00.00	17.6	0.0	36	0	915	241	675
25+50.00	19.0	0.0	34	0	949	241	709
26+00.00	42.8	0.0	57	0	1,006	241	766
26+50.00	25.5	4.3	63	5	1,070	246	824
27+00.00	33.5	2.1	55	8	1,124	253	871
27+04.13	31.4	2.1	5	0	1,129	254	875
27+68.58	47.0	0.0	0	0	1,129	254	875
28+00.00	18.3	0.0	38	0	1,167	254	913
28+50.00	10.2	0.0	26	0	1,194	254	940
29+00.00	6.4	0.0	15	0	1,209	254	955
29+50.00	6.6	0.0	12	0	1,221	254	967
29+74.95	6.8	0.0	6	0	1,227	254	973
31+84.73	6.5	0.0	0	0	1,227	254	973
32+00.00	6.9	0.0	4	0	1,231	254	977
32+50.00	16.6	0.0	22	0	1,253	254	999
33+00.00	28.6	0.0	42	0	1,295	254	1,041
33+50.00	22.6	0.0	47	0	1,342	254	1,088
34+00.00	9.4	0.0	30	0	1,372	254	1,118
34+37.92	25.8	0.0	25	0	1,396	254	1,143
		TOTAL	1,396	254			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - STH 48 STAGE 1 (20+39.00 - 24+15.00) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
20+39.00	11.6	4.3	0	0	0	0	0
20+50.00	12.8	2.8	5	2	5	2	3
21+00.00	14.0	2.6	25	7	30	8	21
21+50.00	21.0	5.2	32	9	62	18	44
21+88.00	21.0	5.2	30	9	92	27	65
23+08.00	31.7	0.0	0	0	92	27	65
23+25	31.7	0.0	20	0	112	27	85
23+50	22.3	0.0	25	0	137	27	110
24+00	24.4	0.0	43	0	180	27	153
24+15	21.2	0.0	13	0	193	27	165
		TOTAL	193	27			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - WEST AVE STAGE 1 (13+91.57 - 16+42.81) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
13+91.57	19.5	0.0	0	0	0	0	0
14+50.00	234.4	0.0	275	0	275	0	275
15+00.00	92.6	0.0	303	0	578	0	578
15+50.00	51.2	0.0	133	0	711	0	711
16+00.00	26.0	0.0	72	0	782	0	782
16+42.81	23.9	0.0	40	0	822	0	822
		TOTAL	822	0			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP B TEMPORARY STAGE 1 (10+65 - 15+73) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
10+65.01	25.6	0.0	0	0	0	0	0
11+00.00	25.1	0.0	33	0	33	0	33
11+50.00	25.4	0.0	47	0	80	0	80
12+00.00	31.6	0.0	53	0	132	0	132
12+50.00	24.8	0.0	52	0	185	0	185
13+00.00	0.4	0.0	23	0	208	0	208
13+50.00	0.0	0.0	0	0	208	0	208
14+00.00	0.0	0.0	0	0	208	0	208
14+50.00	0.1	0.0	0	0	208	0	208
15+00.00	4.5	0.0	4	0	213	0	213
15+50.00	22.8	0.0	25	0	238	0	238
15+73.70	62.8	0.0	38	0	275	0	275
		TOTAL	275	0			

PROJECT NO: 1197-19-70
MARSH EXCAVATION - RAMP B TEMPORARY STAGE 1 (13+00 - 15+00) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
13+00.00	30.4	0.0	0	0	0	0	0
13+50.00	85.4	0.0	107	0	107	0	107
14+00.00	87.9	0.0	160	0	268	0	268
14+50.00	35.9	0.0	115	0	382	0	382
		TOTAL	382	0			

PROJECT NO: 1197-19-70

EARTHWORK TABULATION - RAMP D TEMPORARY STAGE 1 (11+30.64 - 15+81.55) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)
11+30.64	65.4	0.0	0	0	0	0	0
11+50.00	41.4	0.0	38	0	38	0	38
12+00.00	36.6	10.0	72	12	110	12	98
12+50.00	27.9	18.2	60	34	170	46	124
13+00.00	24.8	11.8	49	36	219	82	137
13+50.00	26.4	6.7	47	22	266	104	162
14+00.00	34.7	1.0	57	9	323	113	209
14+50.00	32.8	4.0	63	6	385	120	266
15+00.00	26.9	1.1	55	6	441	126	315
15+50.00	19.8	0.0	43	1	484	127	357
15+81.55	16.9	0.0	21	0	505	127	378
		TOTAL	505	127			

PROJECT NO: 1197-19-70

EARTHWORK TABULATION - STH 48 STAGE 2 (105+18.03 - 135+50.00) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)
105+18.30	5.6	0.0	0	0	0	0	0
105+50.00	6.4	0.0	7	0	7	0	7
106+00.00	10.0	0.0	15	0	22	0	22
106+50.00	13.8	0.0	22	0	44	0	44
107+00.00	20.1	4.4	31	5	75	5	70
107+50.00	24.6	6.0	41	13	117	18	99
108+00.00	29.4	4.5	50	13	167	31	136
108+50.00	28.0	8.3	53	15	220	46	174
109+00.00	52.8	5.6	75	17	295	63	232
109+50.00	48.6	11.3	94	20	389	83	306
110+00.00	51.4	7.0	93	22	481	105	376
110+50.00	54.5	7.7	98	18	579	123	457
111+00.00	63.8	0.0	110	9	689	132	557
111+50.00	62.1	5.3	117	6	805	138	667
112+00.00	69.3	3.0	122	10	927	148	779
112+50.00	100.1	0.0	157	4	1,084	152	932
113+00.00	56.7	6.1	145	7	1,229	159	1,070
113+50.00	52.2	7.2	101	16	1,330	175	1,155
114+00.00	59.5	6.9	103	17	1,434	192	1,241
114+50.00	70.0	5.7	120	15	1,553	207	1,346
115+00.00	90.3	6.2	148	14	1,702	221	1,480
119+00.00	43.5	17.3	0	0	1,702	221	1,480
119+50.00	64.3	5.5	100	28	1,802	249	1,553
120+00.00	44.9	0.0	101	7	1,903	256	1,647
120+50.00	49.9	0.0	88	0	1,991	256	1,735
121+00.00	51.8	0.0	94	0	2,085	256	1,829
121+50.00	54.3	0.0	98	0	2,183	256	1,927
SB RAB			1470	199	3,653	455	3,198
124+00.00	115.9	14.6	0	0	3,653	455	3,198
124+50.00	80.2	0.0	182	18	3,835	472	3,363
125+00.00	96.3	0.0	163	0	3,998	472	3,526
125+50.00	102.8	0.0	184	0	4,182	472	3,710
126+00.00	105.1	0.0	192	0	4,375	472	3,903
126+50.00	120.3	0.0	209	0	4,584	472	4,111
127+00.00	155.9	0.0	256	0	4,839	472	4,367
127+50.00	182.6	0.0	313	0	5,153	472	4,681
128+00.00	196.3	29.0	351	35	5,504	507	4,996
NB RAB			952	705	6,456	1,212	5,243
130+25.00	33.0	29.1	0	0	6,456	1,212	5,243
130+50.00	32.4	74.7	30	62	6,486	1,275	5,211
131+00.00	48.0	24.5	74	119	6,560	1,394	5,166
131+50.00	59.7	0.0	100	30	6,660	1,423	5,236
132+00.00	88.7	0.0	137	0	6,797	1,423	5,374
132+50.00	59.1	0.0	137	0	6,934	1,423	5,511
133+00.00	71.3	0.0	121	0	7,055	1,423	5,631
133+50.00	0.0	7.8	66	9	7,121	1,433	5,688
134+00.00	0.0	10.4	0	22	7,121	1,455	5,666
134+50.00	0.0	10.8	0	26	7,121	1,480	5,641
135+00.00	0.0	10.2	0	25	7,121	1,506	5,615
135+50.00	0.0	9.8	0	24	7,121	1,530	5,591
		TOTAL	7,121	1,433			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - STH 48 STAGE 2 (115+00.00 - 119+00.00) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
115+00.00	90.27	6.18	0	0	0	0	0
115+50.00	120.78	5.23	195	14	195	14	182
116+00.00	168.27	0	268	6	463	20	443
116+35.28	199.07	0	240	0	703	20	683
WEST AVE RAB			1065	203	1,768	223	1,545
118+33.91	75.51	13.16	0	0	1,768	223	1,545
118+50.00	78.32	14.91	46	11	1,814	234	1,580
119+00.00	43.5	17.34	113	39	1,927	273	1,654
		TOTAL	1,927	273			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - WEST AVE (NB) STAGE 2 (701+25 - 703+50) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
701+25.00	50.1	2.93	0	0	0	0	0
701+50.00	50.24	5.74	46	5	46	5	41
702+00.00	43.42	12.28	87	22	133	27	106
702+25.00	37.36	22.78	37	21	171	48	123
702+50.00	39.42	20.82	36	26	206	74	132
703+00.00	41.2	14.59	75	43	281	117	164
703+50.00	50.26	10	85	30	365	146	219
		TOTAL	365	146			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - WEST AVE (SB) STAGE 2 (801+25 - 803+50) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
801+25.00	46.68	0.54	0	0	0	0	0
801+50.00	42.09	7.54	41	5	41	5	36
802+00.00	66.3	0	100	9	141	14	128
802+50.00	38.09	9.13	97	11	238	25	213
803+00.00	31.03	4.24	64	16	302	41	261
803+50.00	39.93	0	66	5	368	46	322
		TOTAL	368	46			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP B STAGE 2 (405+50 - 409+16) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
405+50.00	70.3	0.0	0	0	0	0	0
406+00.00	65.0	0.0	125	0	125	0	125
406+50.00	57.7	0.0	114	0	239	0	239
407+00.00	41.4	0.7	92	1	331	1	330
407+50.00	29.7	6.9	66	9	396	10	386
408+00.00	21.6	41.4	47	58	444	68	376
408+50.00	6.3	139.2	26	217	470	286	184
409+00.00	0.5	235.4	6	451	476	736	-260
409+16.00	0.3	223.2	0	177	476	913	-437
		TOTAL	476	913			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP C STAGE 2 (508+00 - 508+50) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
508+00.00	74.2	0.0	0	0	0	0	0
508+50.00	61.0	0.0	125	0	125	0	125
		TOTAL	125	0			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - TURN LANE EBC STAGE 2 (40+00 - 43+49) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
40+00.00	25.2	4.9	0	0	0	0	0
40+50.00	40.7	0.3	61	6	61	6	55
41+00.00	50.1	0.0	84	0	145	7	139
41+50.00	86.1	0.0	126	0	271	7	265
42+00.00	133.6	0.0	203	0	475	7	468
42+50.00	100.1	12.2	216	15	691	21	670
43+00.00	44.7	4.8	134	20	825	42	784
43+48.87	33.8	0.0	71	6	896	47	849
		TOTAL	896	47			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - STH 48 STAGE 3 (205+06 - 238+55) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
205+06.65	21.7	3.6	0	0	0	0	0
205+50.00	21.7	2.8	35	7	35	7	28
206+00.00	21.8	2.0	40	6	75	12	63
206+50.00	22.4	2.2	41	5	116	17	99
207+00.00	40.9	0.0	59	3	175	20	155
207+50.00	28.6	0.5	64	1	239	21	219
208+00.00	33.0	0.1	57	1	296	21	275
208+50.00	37.4	0.0	65	0	361	21	340
209+00.00	70.1	0.0	100	0	461	21	440
209+50.00	66.2	0.0	126	0	587	21	566
210+00.00	67.1	0.0	123	0	710	21	689
210+50.00	71.9	0.0	129	0	839	21	818
211+00.00	74.7	0.0	136	0	975	21	954
211+50.00	72.9	0.0	137	0	1,112	21	1,090
212+00.00	67.7	0.0	130	0	1,242	21	1,220
212+50.00	67.5	0.1	125	0	1,367	22	1,345
213+00.00	67.9	1.6	125	2	1,492	24	1,469
213+50.00	60.5	6.2	119	9	1,611	33	1,578
214+00.00	57.8	6.3	110	15	1,721	48	1,673
214+50.00	63.2	2.4	112	10	1,833	59	1,774
215+00.00	66.1	0.9	120	4	1,953	63	1,890
219+00.00	79.5	1.5	0	0	1,953	63	1,890
219+50.00	78.9	1.6	147	4	2,099	66	2,033
220+00.00	82.2	3.3	149	6	2,249	72	2,176
220+50.00	91.2	3.5	161	8	2,409	81	2,328
221+00.00	89.3	1.3	167	6	2,576	86	2,490
221+50.00	93.1	11.9	169	16	2,745	102	2,643
222+00.00	113.6	17.4	191	35	2,936	137	2,799
SB RAB			1127	337	4,063	474	3,589
224+00.00	177.7	3.5	0	0	4,063	474	3,589
224+50.00	233.5	0.3	381	5	4,444	479	3,965
225+00.00	131.6	0.4	338	1	4,782	480	4,302
225+50.00	106.1	0.7	220	1	5,002	481	4,521
226+00.00	93.3	2.5	185	4	5,187	485	4,702
226+50.00	72.5	3.2	154	7	5,340	492	4,849
227+00.00	67.5	4.6	130	9	5,470	501	4,969
227+50.00	59.1	8.6	117	16	5,587	517	5,070
228+00.00	48.4	22.1	100	37	5,687	554	5,133
NB RAB			244	829	5,931	1,383	4,548
230+21.63	12.9	49.7	0	0	5,931	1,383	4,548
230+50.00	24.2	47.9	19	67	5,950	1,450	4,500
231+00.00	34.4	22.9	54	85	6,004	1,535	4,469
231+50.00	45.7	0.0	74	28	6,079	1,563	4,516
232+00.00	39.8	0.0	79	0	6,158	1,563	4,595
232+50.00	86.0	5.1	116	6	6,274	1,569	4,705
233+00.00	81.2	12.0	155	21	6,429	1,589	4,840
233+48.39	80.6	18.4	145	35	6,574	1,625	4,949
233+50.00	17.9	26.1	3	2	6,577	1,627	4,950
234+00.00	17.4	18.2	33	53	6,610	1,680	4,930
234+50.00	17.6	17.9	32	44	6,642	1,724	4,919
235+00.00	18.2	16.2	33	41	6,675	1,765	4,911
235+50.00	18.3	9.1	34	30	6,709	1,795	4,914
236+00.00	16.0	0.0	32	11	6,741	1,806	4,935
236+50.00	16.0	0.0	30	0	6,770	1,806	4,964
237+00.00	19.3	0.0	33	0	6,803	1,806	4,997
237+50.00	19.3	0.0	36	0	6,839	1,806	5,033
238+00.00	19.3	0.0	36	0	6,875	1,806	5,069
238+50.00	19.3	0.0	36	0	6,910	1,806	5,104
238+55.00	19.3	0.0	4	0	6,914	1,806	5,108
		TOTAL	6,914	1,806			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - STH 48 STAGE 3 (215+00.00 - 219+00.00) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
215+00.00	66.1	0.9	0	0	0	0	0
215+50.00	75.2	23.6	131	30	131	30	101
216+00.00	70.0	18.9	134	51	265	81	185
216+50.00	75.8	21.6	135	49	400	130	271
WEST AVE RAB			859	270	1,259	400	860
218+63.95	76.1	3.2	0	0	1,259	400	860
219+00.00	79.5	1.5	104	4	1,363	404	960
		TOTAL	1,363	404			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - WEST AVE (NB) STAGE 3 (706+00 - 708+00) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
706+00.00	54.3	5.2	0	0	0	0	0
706+50.00	66.4	1.1	112	7	112	7	104
707+00.00	69.7	0.0	126	1	238	9	229
707+50.00	70.2	0.0	130	0	367	9	359
708+00.00	52.8	0.0	114	0	481	9	472
		TOTAL	481	9			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - WEST AVE (SB) STAGE 3 (806+00 - 807+92) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
806+00.00	64.4	44.2	0	0	0	0	0
806+50.00	64.1	30.3	119	90	119	90	29
807+00.00	58.0	35.1	113	79	232	168	64
807+50.00	55.5	14.4	105	60	337	228	109
807+92.65	53.7	10.4	86	25	423	253	170
		TOTAL	423	253			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP A STAGE 3 (302+00 - 304+00) EXPANSION FACTOR = 1.3

STATION	END AREA CUT (SF)	END AREA FILL (SF)	INCREMENTAL VOLUME CUT (CY)	INCREMENTAL VOLUME EXP FILL (CY)	CUMMULATIVE VOLUME CUT (CY)	CUMMULATIVE VOLUME EXP FILL (CY)	MASS ORDINATE (CY)
302+00.00	7.3	51.0	0	0	0	0	0
302+50.00	28.0	12.7	33	77	33	77	-44
303+00.00	47.9	0.3	70	16	103	92	11
303+50.00	62.0	0.0	102	0	205	93	112
304+00.00	66.7	0.0	119	0	324	93	231
		TOTAL	324	93			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP D STAGE 3A (601+07 - 603+25) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)
601+07.35	35.8	88.5	0	0	0	0	0
601+50.00	92.6	54.0	101	146	101	146	-45
602+00.00	69.2	20.1	150	89	251	235	16
602+50.00	64.4	0.1	124	24	375	260	115
603+00.00	58.0	0.0	113	0	488	260	228
603+25.00	53.5	0.0	52	0	540	260	280
		TOTAL	540	260			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - TURN LANE AWB STAGE 3 (50+00 - 53+05) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)
50+00.00	5.2	5.8	0	0	0	0	0
50+50.00	2.4	19.4	7	30	7	30	-23
51+00.00	0.0	166.8	2	224	9	255	-245
51+50.00	0.0	158.6	0	392	9	646	-637
52+00.00	12.8	87.2	12	296	21	942	-921
52+50.00	27.3	32.6	37	144	58	1,086	-1,028
53+00.00	42.9	6.8	65	47	123	1,134	-1,010
53+04.90	45.2	6.3	8	2	131	1,135	-1,004
		TOTAL	131	1,135			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP D STAGE 3B (601+07 - 604+86) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)
601+07.35	14.0	0.0	0	0	0	0	0
601+50.00	67.7	0.0	64	0	64	0	64
602+00.00	30.4	0.0	91	0	155	0	155
602+50.00	91.4	0.0	113	0	268	0	268
603+00.00	97.9	0.0	175	0	443	0	443
603+50.00	47.9	0.7	135	1	578	1	577
604+00.00	35.2	0.0	77	1	655	2	653
604+50.00	27.2	0.0	58	0	713	2	711
604+86.00	23.1	0.0	34	0	747	2	745
		TOTAL	747	2			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - STH 48 STAGE 4 (105+17 - 133+25) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
	CUT	FILL	CUT	EXP FILL	CUT	EXP FILL	
STATION	(SF)	(SF)	(CY)	(CY)	(CY)	(CY)	(CY)
105+17.25	17.9	1.7	0	0	0	0	0
105+50.00	18.5	0.9	22	2	22	2	20
106+00.00	19.0	0.5	35	2	57	4	53
106+50.00	17.7	0.5	34	1	91	5	86
107+00.00	23.5	0.0	38	1	129	6	123
107+50.00	27.1	0.0	47	0	176	6	170
108+00.00	29.3	0.0	52	0	228	6	222
108+50.00	33.1	0.0	58	0	286	6	280
109+00.00	31.2	0.0	60	0	345	6	340
109+50.00	36.7	0.0	63	0	408	6	402
110+00.00	34.3	0.0	66	0	474	6	468
110+50.00	26.4	0.0	56	0	530	6	524
111+00.00	19.8	0.0	43	0	573	6	567
111+50.00	21.5	0.0	38	0	611	6	605
112+00.00	18.1	0.0	37	0	648	6	642
112+50.00	16.4	0.0	32	0	680	6	674
113+00.00	0.3	4.1	16	5	695	11	684
113+50.00	1.3	3.9	2	10	697	20	676
114+00.00	3.7	4.0	5	10	701	30	671
114+50.00	8.2	4.2	11	10	712	40	673
115+00.00	19.9	4.3	26	10	738	50	688
119+00.00	8.7	6.4	0	0	738	50	688
119+50.00	6.5	6.0	14	15	752	65	688
SB RAB			101	96	853	161	693
124+00.00	2.0	14.0	0	0	853	161	693
124+50.00	1.3	20.3	3	41	856	202	654
125+00.00	1.3	12.1	2	39	859	241	618
125+50.00	1.3	12.5	2	30	861	270	590
126+00.00	1.3	19.3	2	38	863	309	555
126+50.00	1.3	24.5	2	53	866	361	504
127+00.00	1.3	50.1	2	90	868	451	417
127+50.00	7.5	21.4	8	86	876	537	339
128+00.00	18.9	23.1	24	54	900	591	309
NB RAB			108	177	1,008	768	240
130+50.00	3.4	8.4	0	0	1,008	768	240
131+00.00	4.6	6.8	7	18	1,016	786	229
131+50.00	1.3	7.5	5	17	1,021	803	218
132+00.00	1.3	14.2	2	26	1,023	830	194
132+50.00	1.3	13.0	2	33	1,026	862	164
133+00.00	1.3	8.2	2	26	1,028	888	140
133+25.11	1.3	1.5	1	6	1,029	894	136
		TOTAL	1,029	894			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - STH 48 STAGE 4 (115+00.00 - 119+00.00) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
STATION	CUT (SF)	FILL (SF)	CUT (CY)	EXP FILL (CY)	CUT (CY)	EXP FILL (CY)	(CY)
115+00.00	21.2	3.0	0	0	0	0	0
115+50.00	23.2	6.5	41	11	41	11	30
116+00.00	33.1	7.7	52	17	93	28	65
116+35.28	22.0	9.6	36	15	129	43	86
WEST AVE RAB			40	173	169	216	-47
118+50.00	11.9	13.7	0	0	169	216	-47
119+00.00	10.0	6.4	20	24	189	240	-51
		TOTAL	189	240			

PROJECT NO: 8120-00-72
EARTHWORK TABULATION - WEST AVE (NB) STAGE 4 (706+00 - 708+00) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
STATION	CUT (SF)	FILL (SF)	CUT (CY)	EXP FILL (CY)	CUT (CY)	EXP FILL (CY)	(CY)
706+00.00	1.3	19.2	0	0	0	0	0
706+50.00	1.3	5.2	2	29	2	29	-27
707+00.00	1.3	6.2	2	14	5	43	-38
707+50.00	1.3	6.1	2	15	7	58	-51
708+00.00	1.3	4.6	2	13	9	71	-61
		TOTAL	9	71			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP B TEMPORARY STAGE 4 (10+65 - 15+73) EXPANSION FACTOR = 1.3

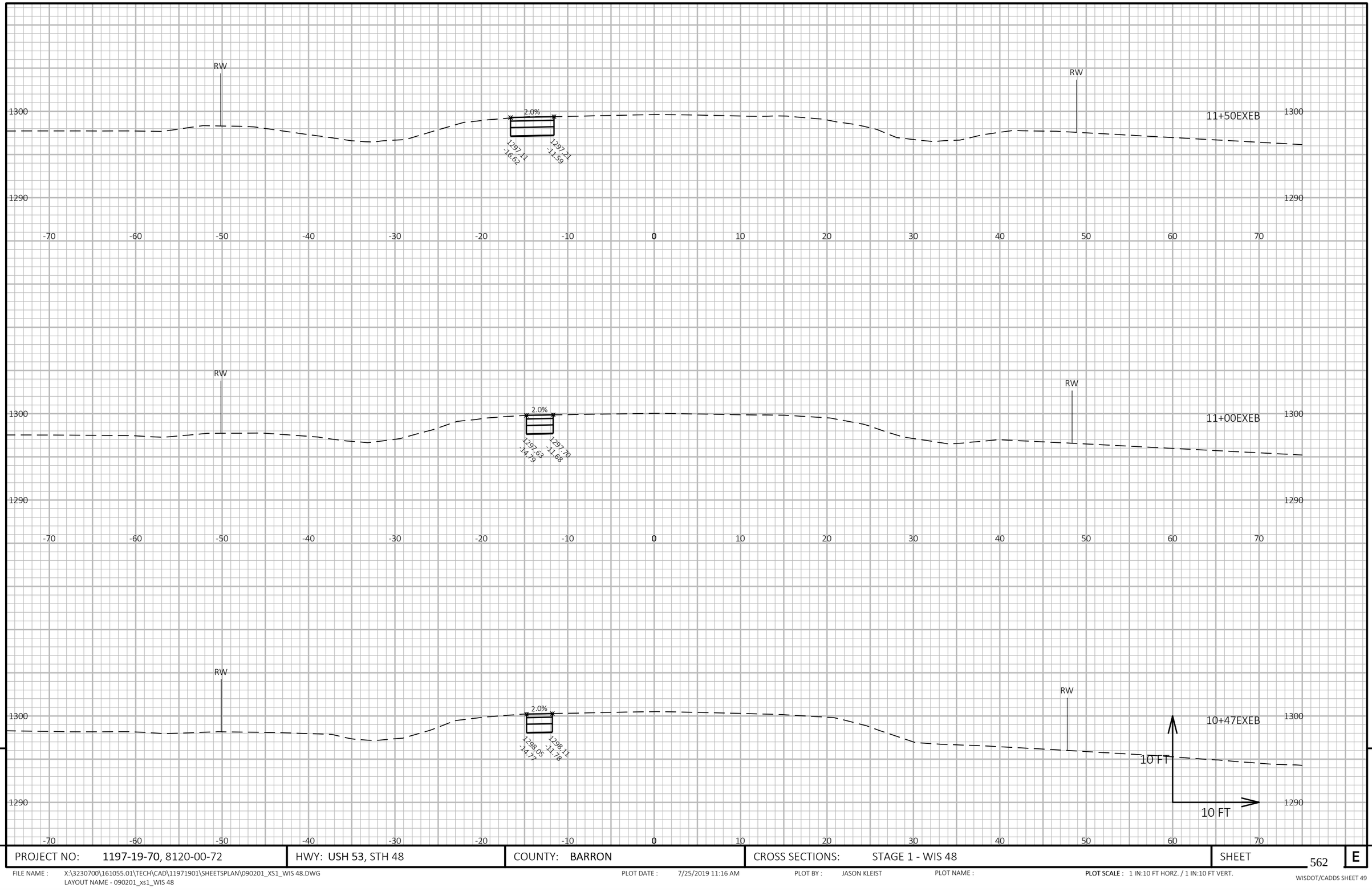
	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
STATION	CUT (SF)	FILL (SF)	CUT (CY)	EXP FILL (CY)	CUT (CY)	EXP FILL (CY)	(CY)
10+65.01	1.1	6.4	0	0	0	0	0
11+00.00	1.1	6.6	1	11	1	11	-9
11+50.00	0.8	7.5	2	17	3	28	-25
12+00.00	3.4	0.7	4	10	7	38	-31
12+50.00	27.9	0.5	29	1	36	39	-3
13+00.00	101.7	1.3	120	2	156	41	115
13+50.00	213.1	2.6	291	5	447	46	401
14+00.00	245.5	0.6	425	4	872	50	822
14+50.00	123.4	7.1	342	9	1,214	59	1,155
15+00.00	51.0	16.1	161	28	1,375	87	1,288
15+50.00	40.8	0.0	85	19	1,460	106	1,354
15+73.70	0.6	0.1	18	0	1,478	106	1,372
		TOTAL	1,478	106			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - RAMP C STAGE 4 (509+00 - 509+36) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
STATION	CUT (SF)	FILL (SF)	CUT (CY)	EXP FILL (CY)	CUT (CY)	EXP FILL (CY)	(CY)
509+00.00	34.2	0.0	0	0	0	0	0
509+35.95	13.5	0.0	32	0	32	0	32
		TOTAL	32	0			

PROJECT NO: 1197-19-70
EARTHWORK TABULATION - TURN LANE AWB STAGE 3 (50+00 - 53+05) EXPANSION FACTOR = 1.3

	END AREA		INCREMENTAL VOLUME		CUMMULATIVE VOLUME		MASS ORDINATE
STATION	CUT (SF)	FILL (SF)	CUT (CY)	EXP FILL (CY)	CUT (CY)	EXP FILL (CY)	(CY)
40+00.00	7.3	6.0	0	0	0	0	0
40+50.00	4.4	5.9	11	14	11	14	-4
41+00.00	1.3	5.4	5	14	16	28	-12
41+50.00	2.6	11.4	4	20	20	48	-29
42+00.00	2.6	33.6	5	54	25	102	-78
42+50.00	2.6	12.9	5	56	29	158	-129
43+00.00	3.9	5.3	6	22	36	180	-145
43+49.00	1.3	9.3	5	17	40	197	-157
		TOTAL	40	197			



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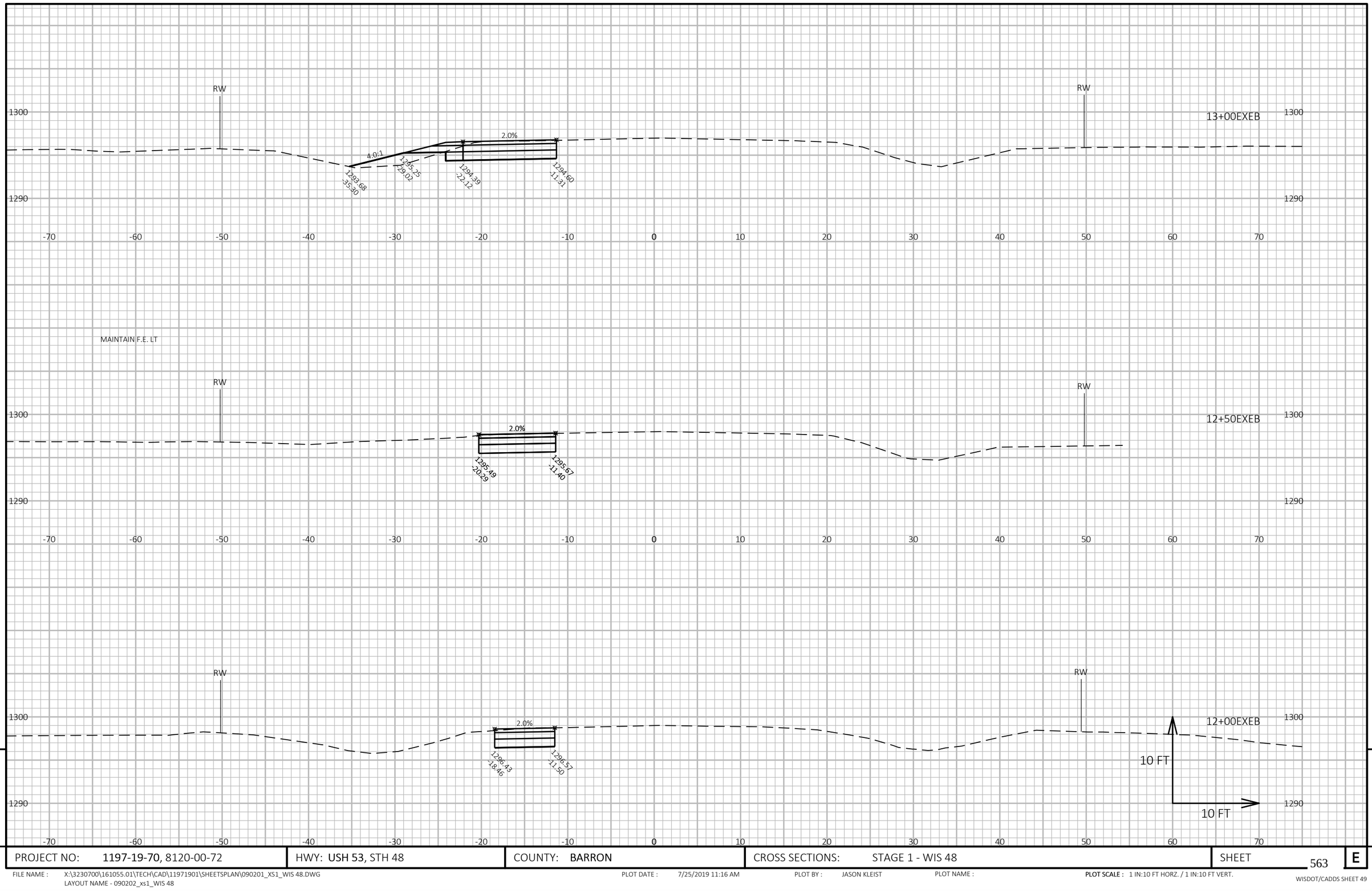
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 562	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090201_xs1_WIS 48

PLOT DATE : 7/25/2019 11:16 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

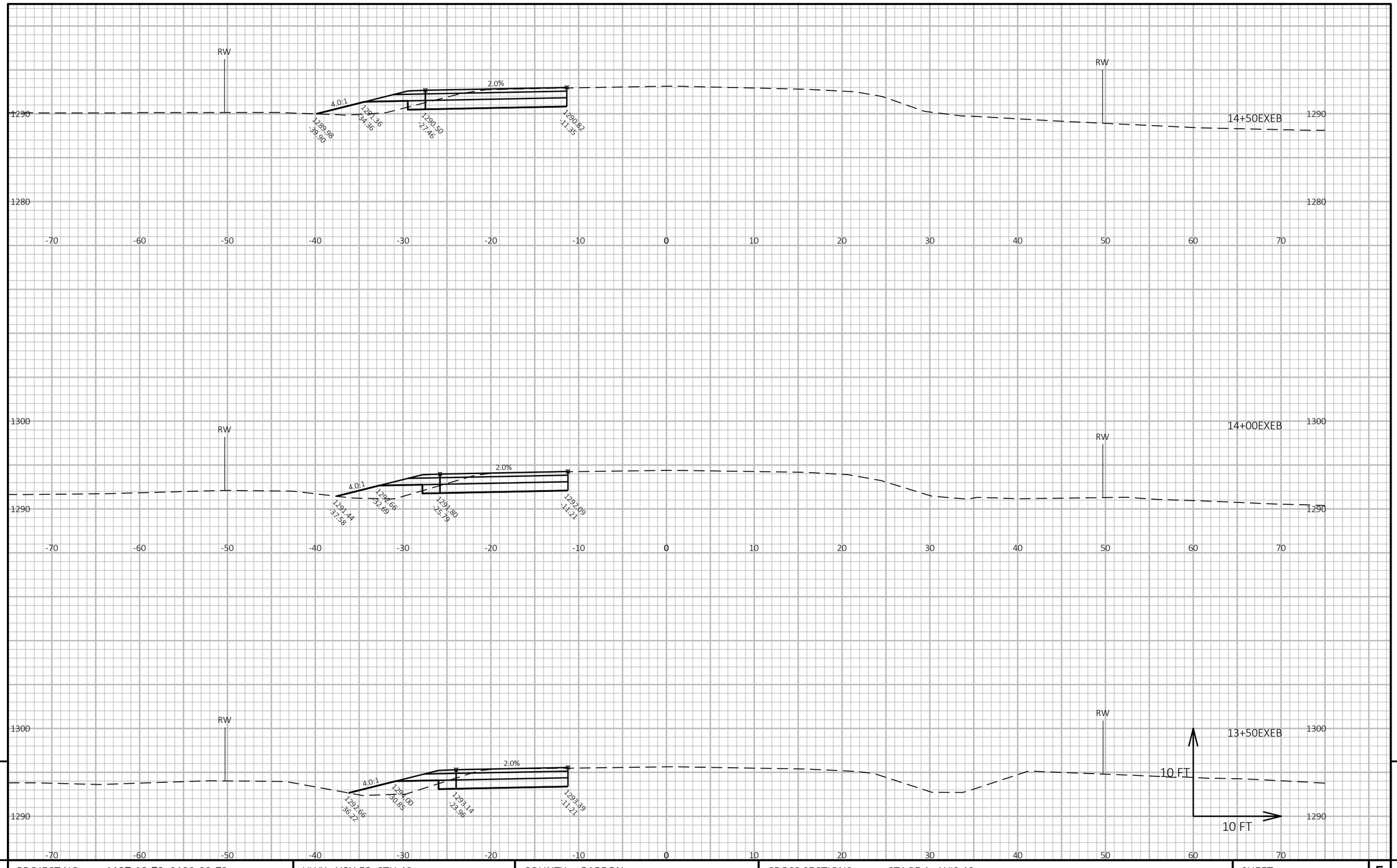


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 563	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090202_xs1_WIS 48

PLOT DATE : 7/25/2019 11:16 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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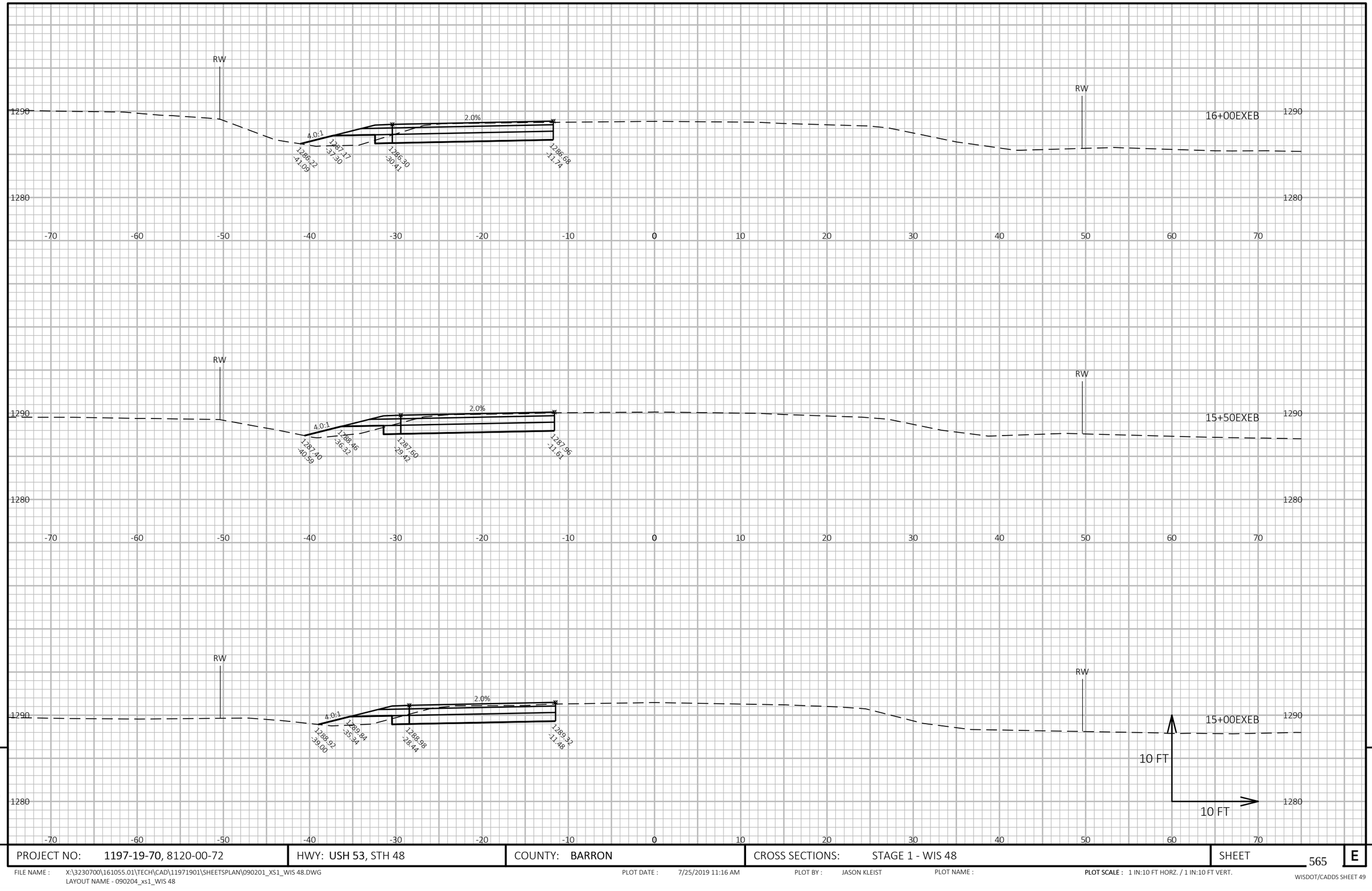
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 564	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090203_xs1_WIS 48

PLOT DATE : 7/25/2019 11:16 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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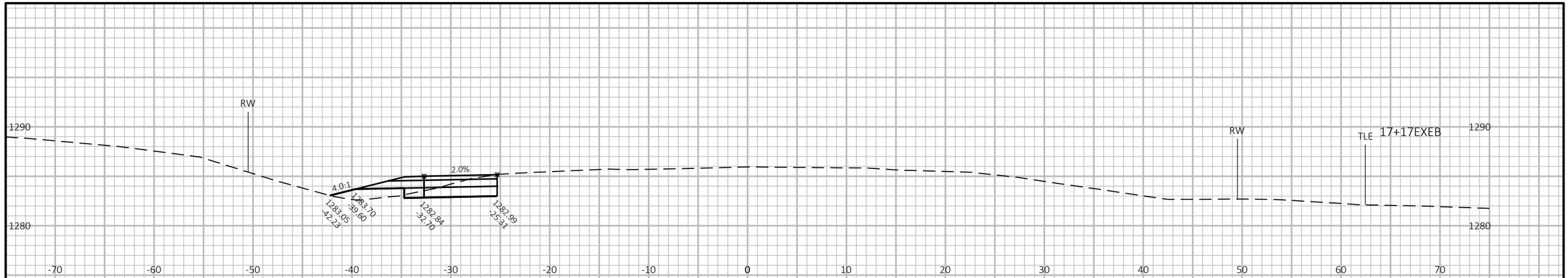
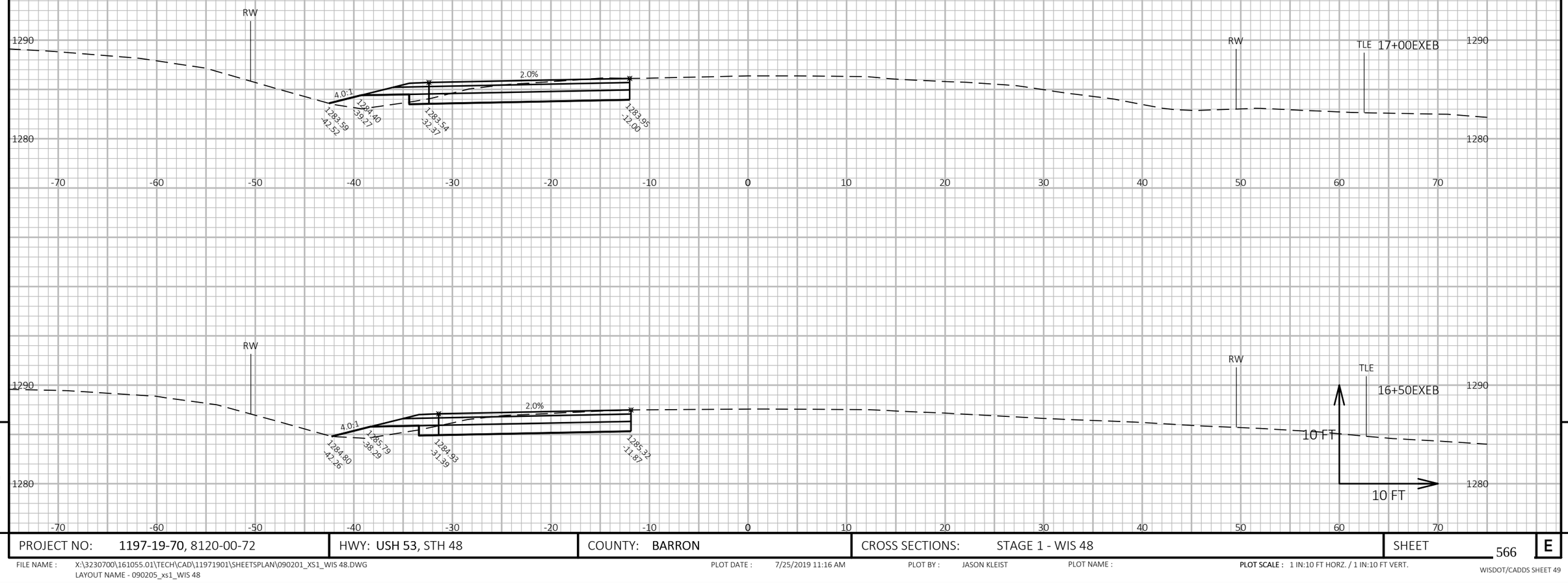
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 565	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090204_xs1_WIS 48

PLOT DATE : 7/25/2019 11:16 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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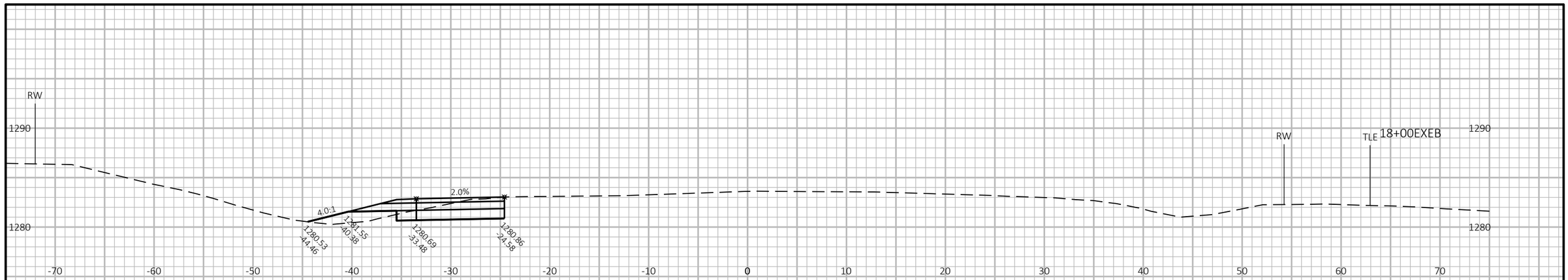
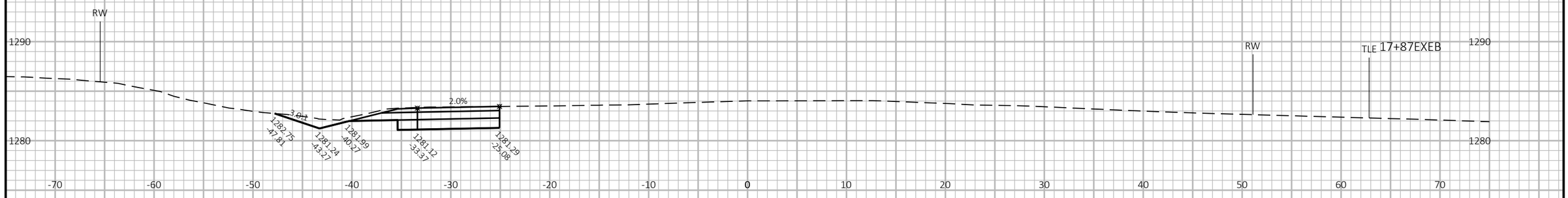
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 566	E

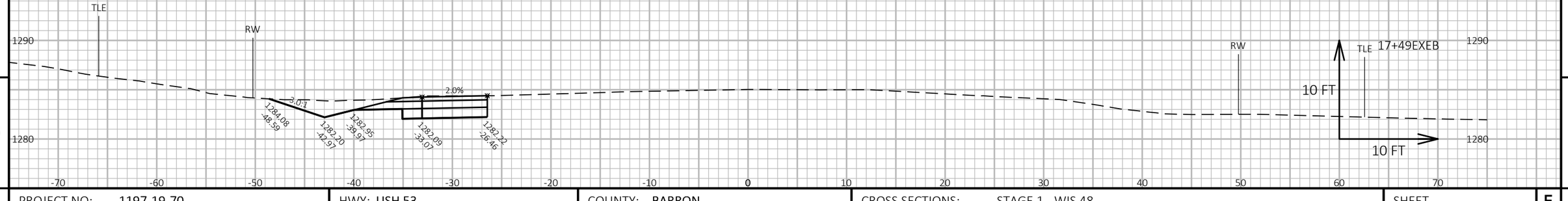
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090205_xs1_WIS 48

PLOT DATE : 7/25/2019 11:16 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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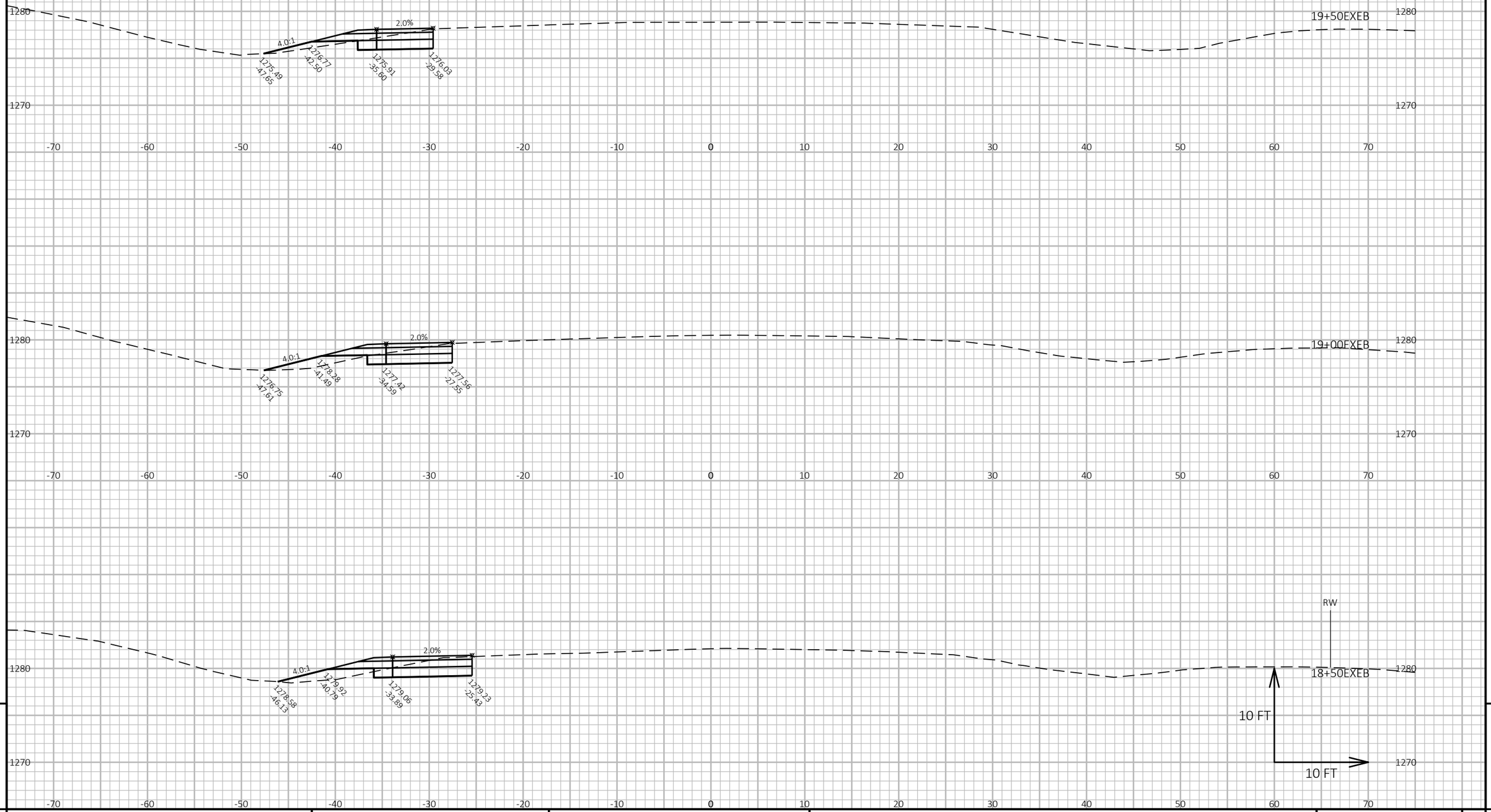
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 567	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090206_xs1_WIS 48

PLOT DATE : 7/25/2019 11:17 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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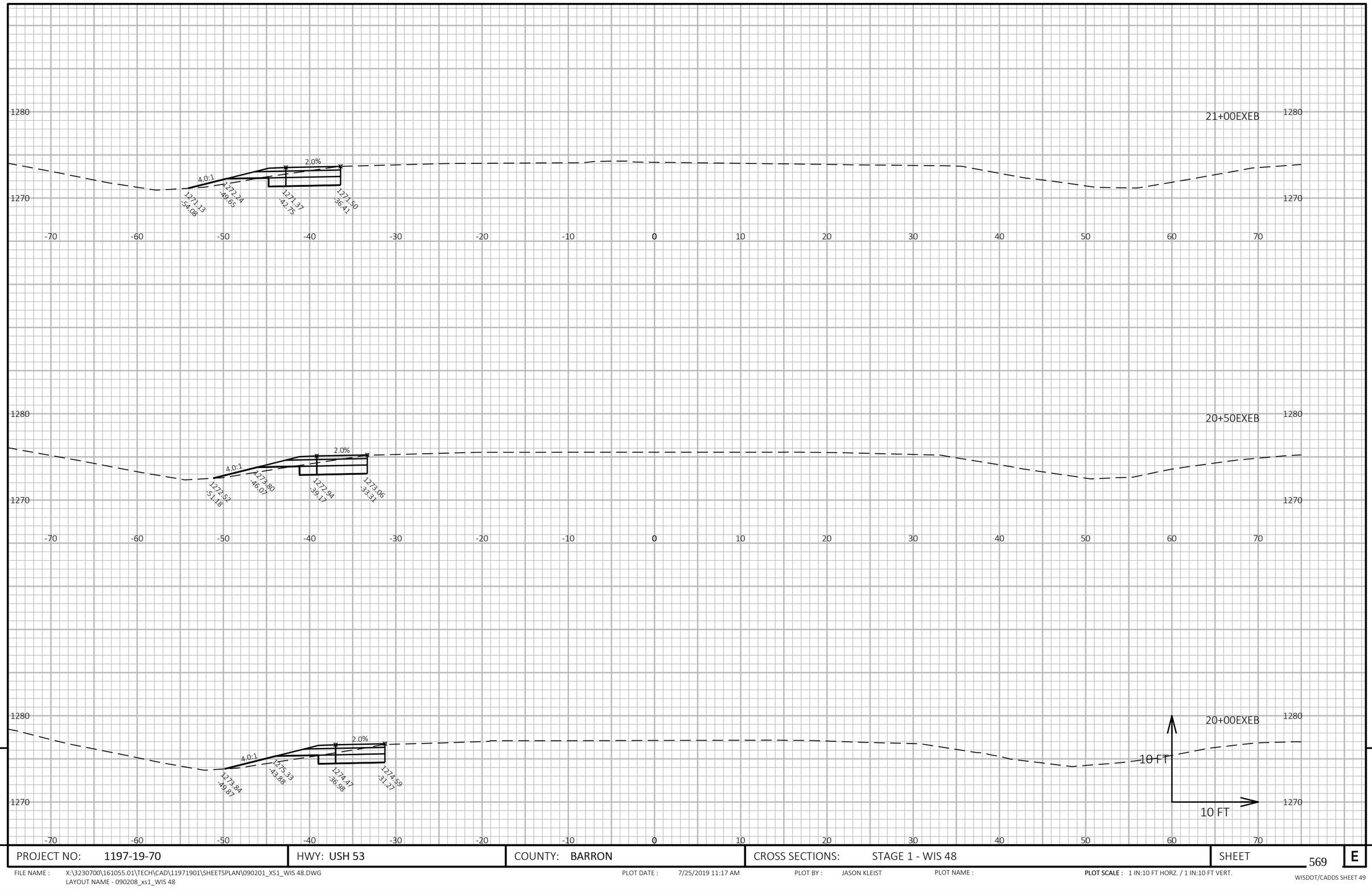
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 568	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090207_xs1_WIS 48

PLOT DATE : 7/25/2019 11:17 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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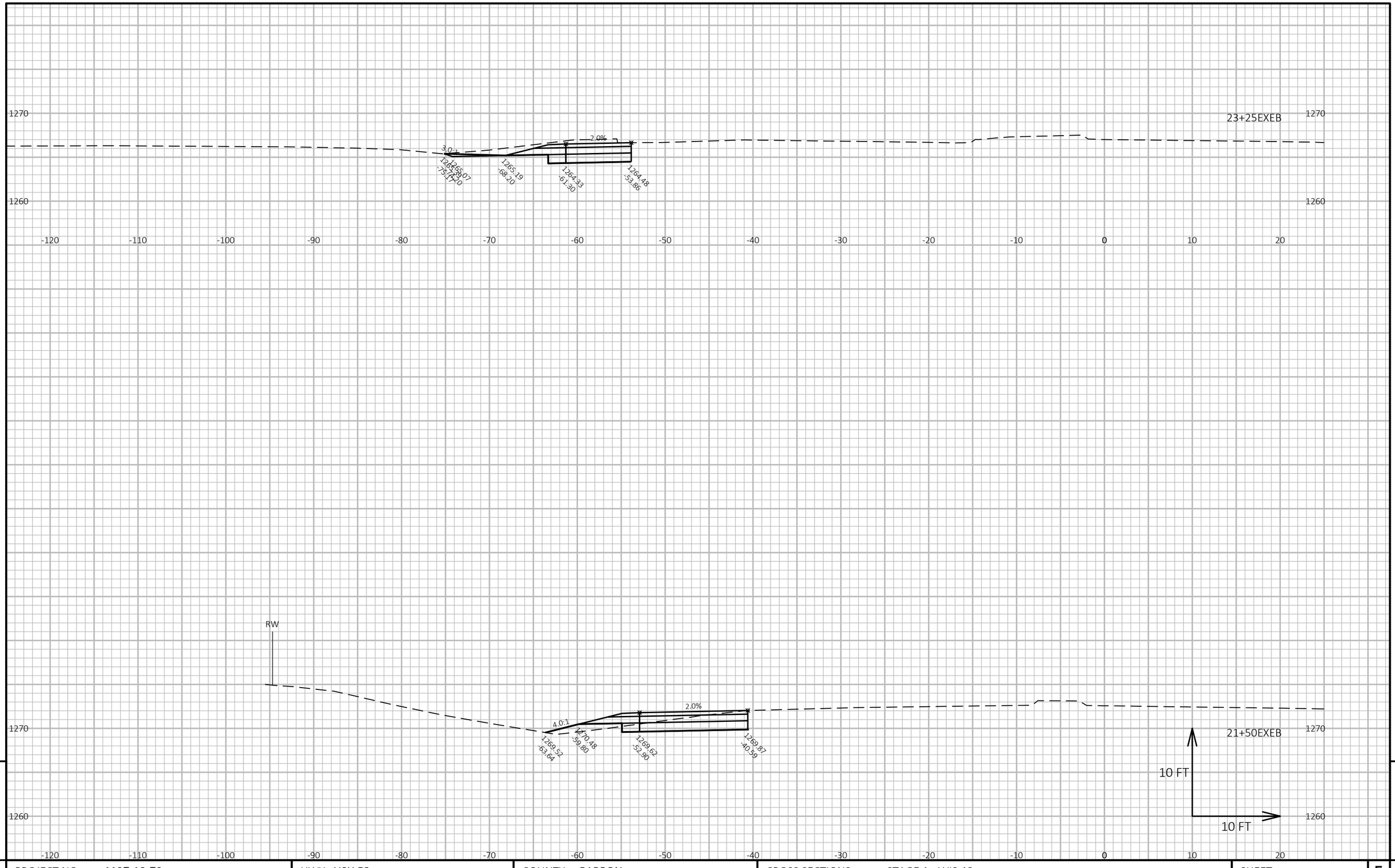
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 569	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090208_xs1_WIS 48

PLOT DATE : 7/25/2019 11:17 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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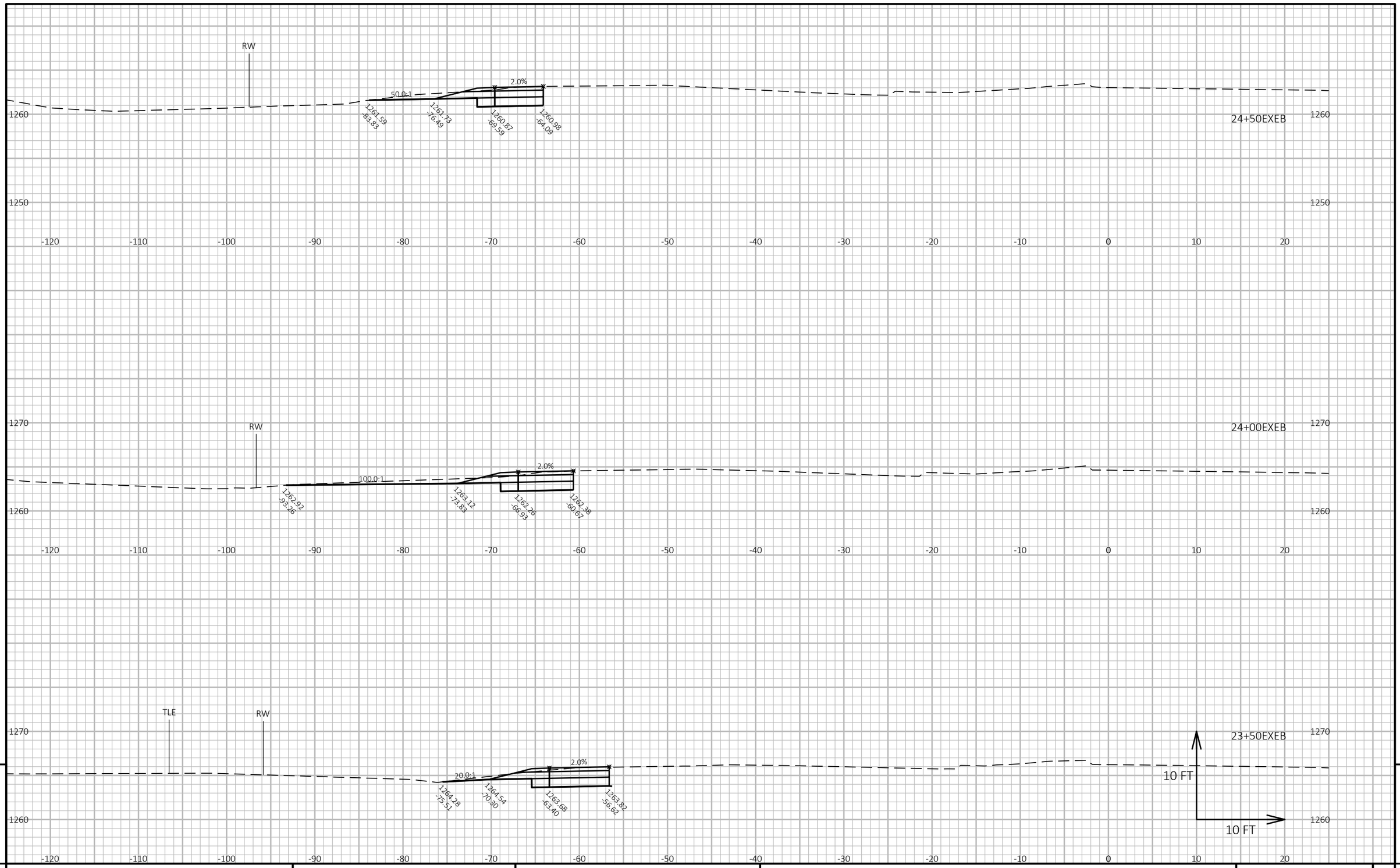
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 570	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090209_xs1_WIS 48

PLOT DATE : 7/25/2019 11:17 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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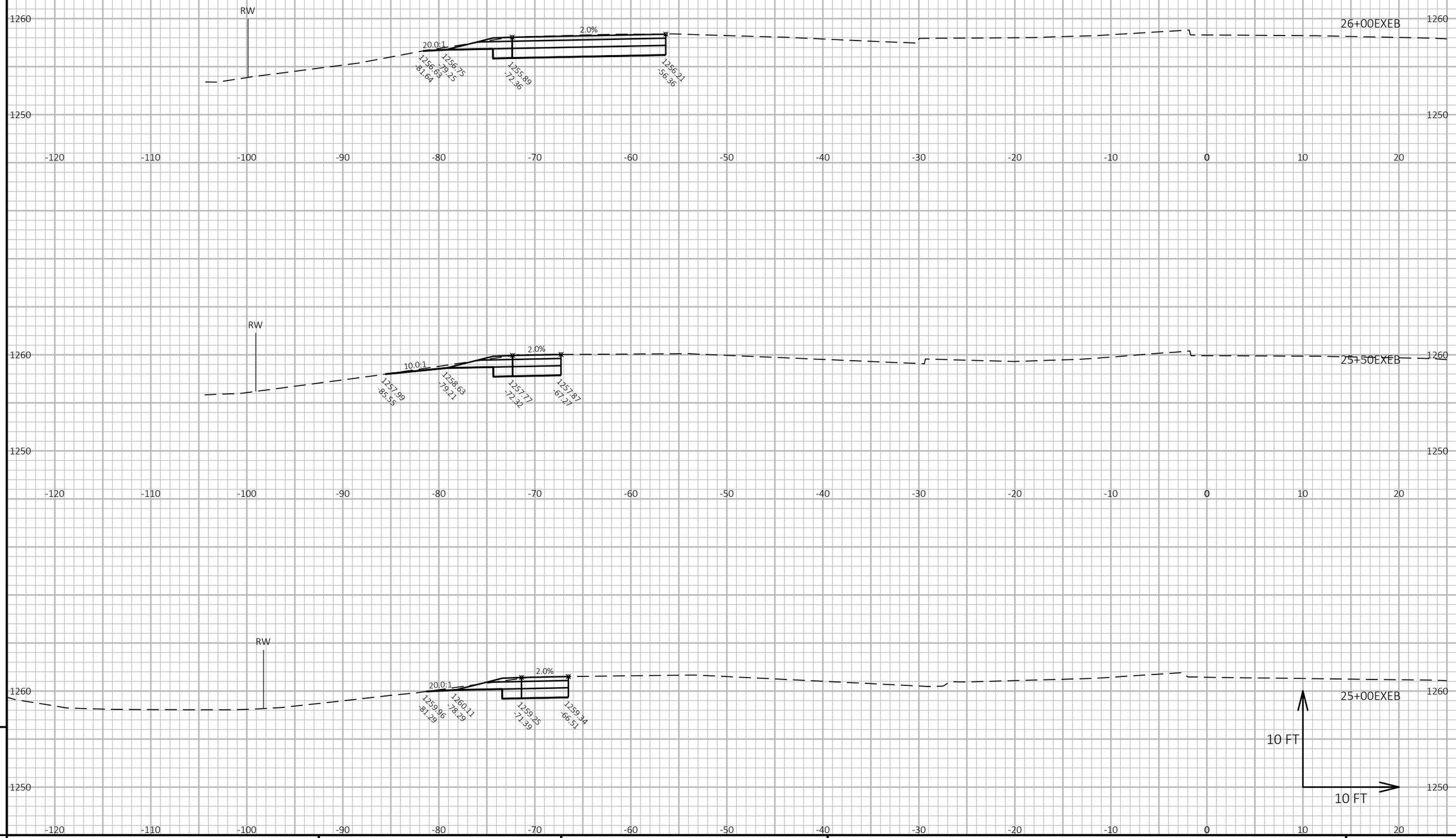
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 571	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090210_xs1_WIS 48

PLOT DATE : 7/25/2019 11:17 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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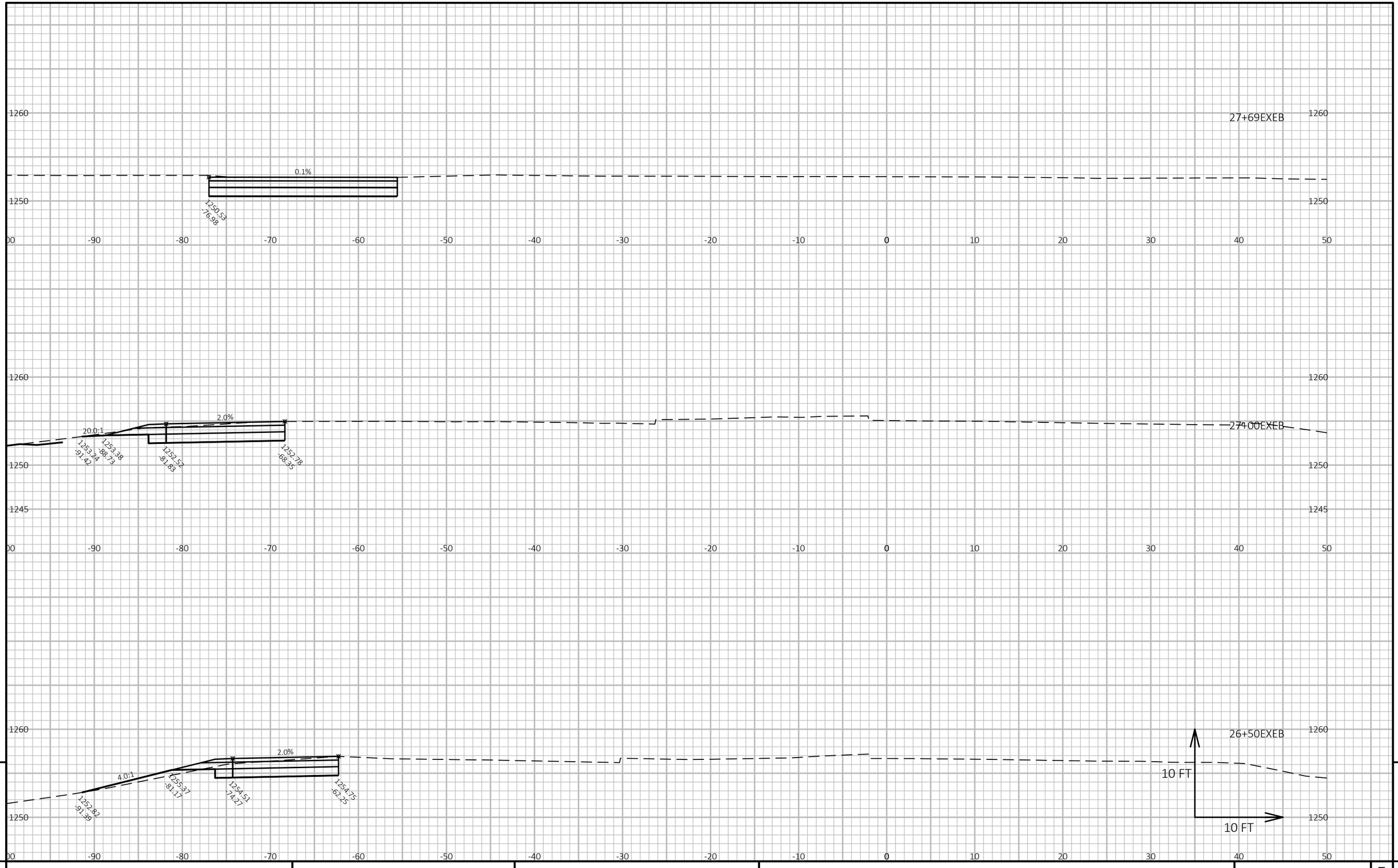
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 572	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090211_xs1_WIS 48

PLOT DATE : 7/25/2019 11:17 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

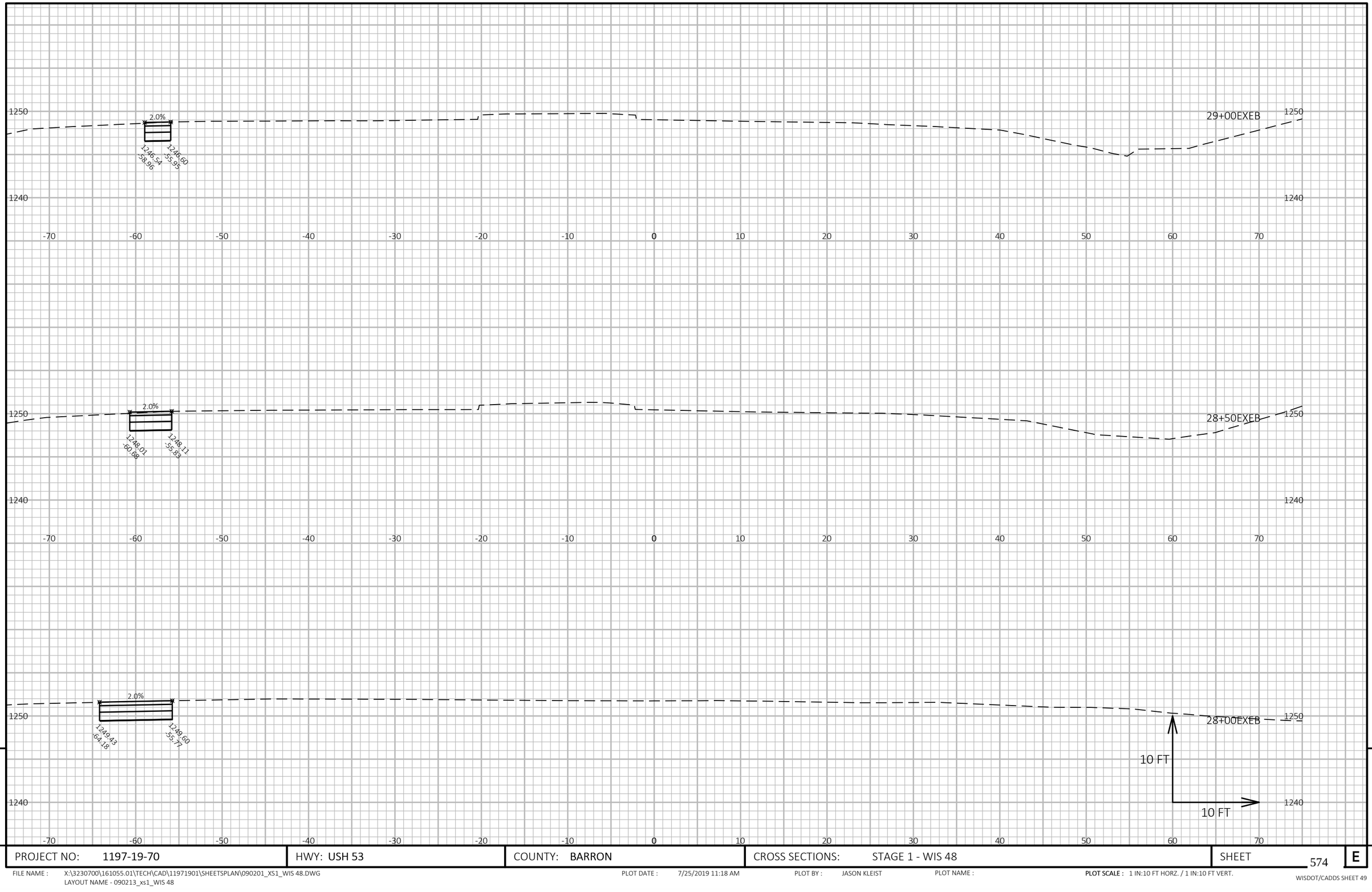


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 573	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090212_xs1_WIS 48

PLOT DATE : 7/25/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 574	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090213_xs1_WIS 48

PLOT DATE : 7/25/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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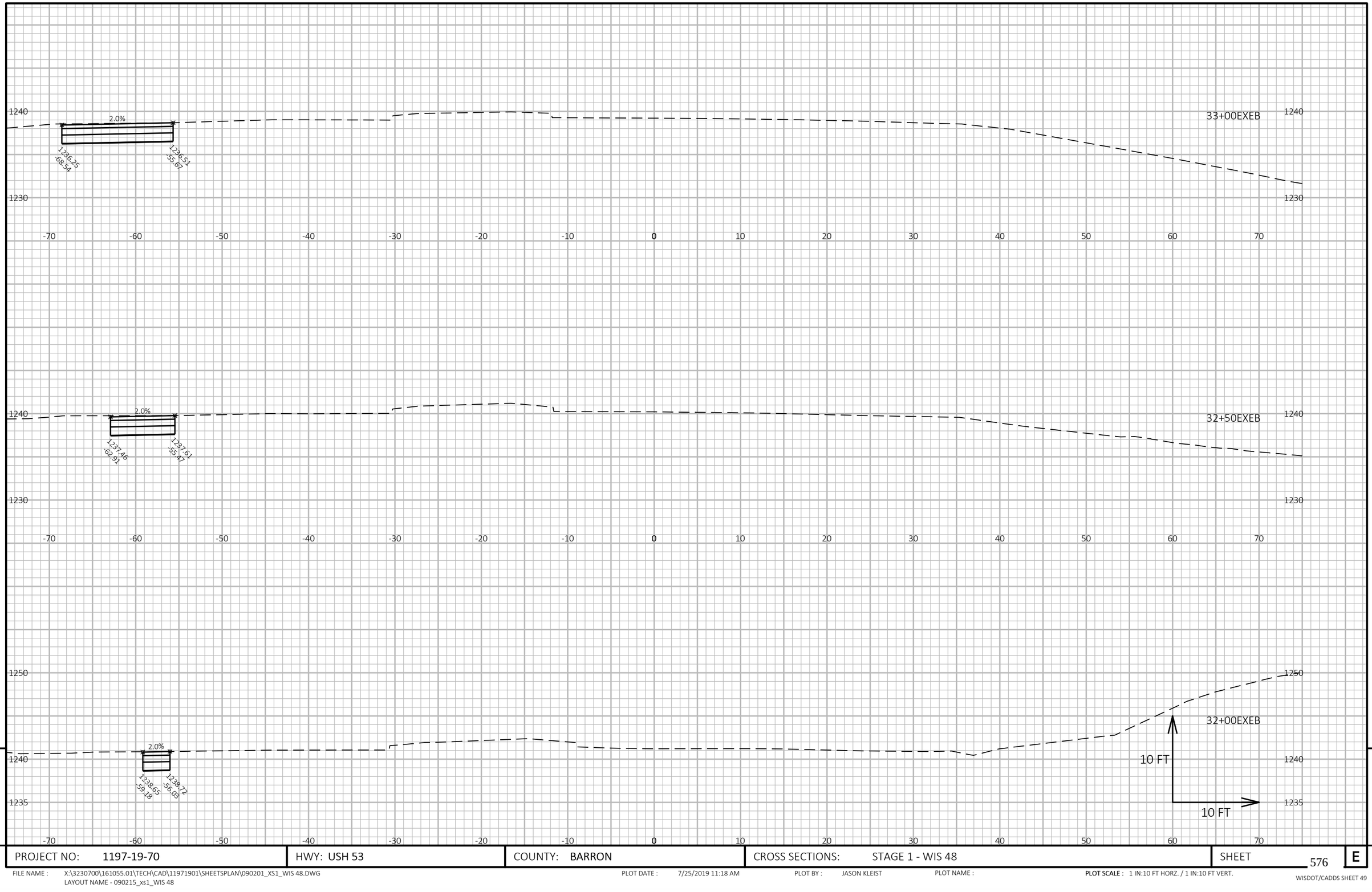
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 575	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090214_xs1_WIS 48

PLOT DATE : 7/25/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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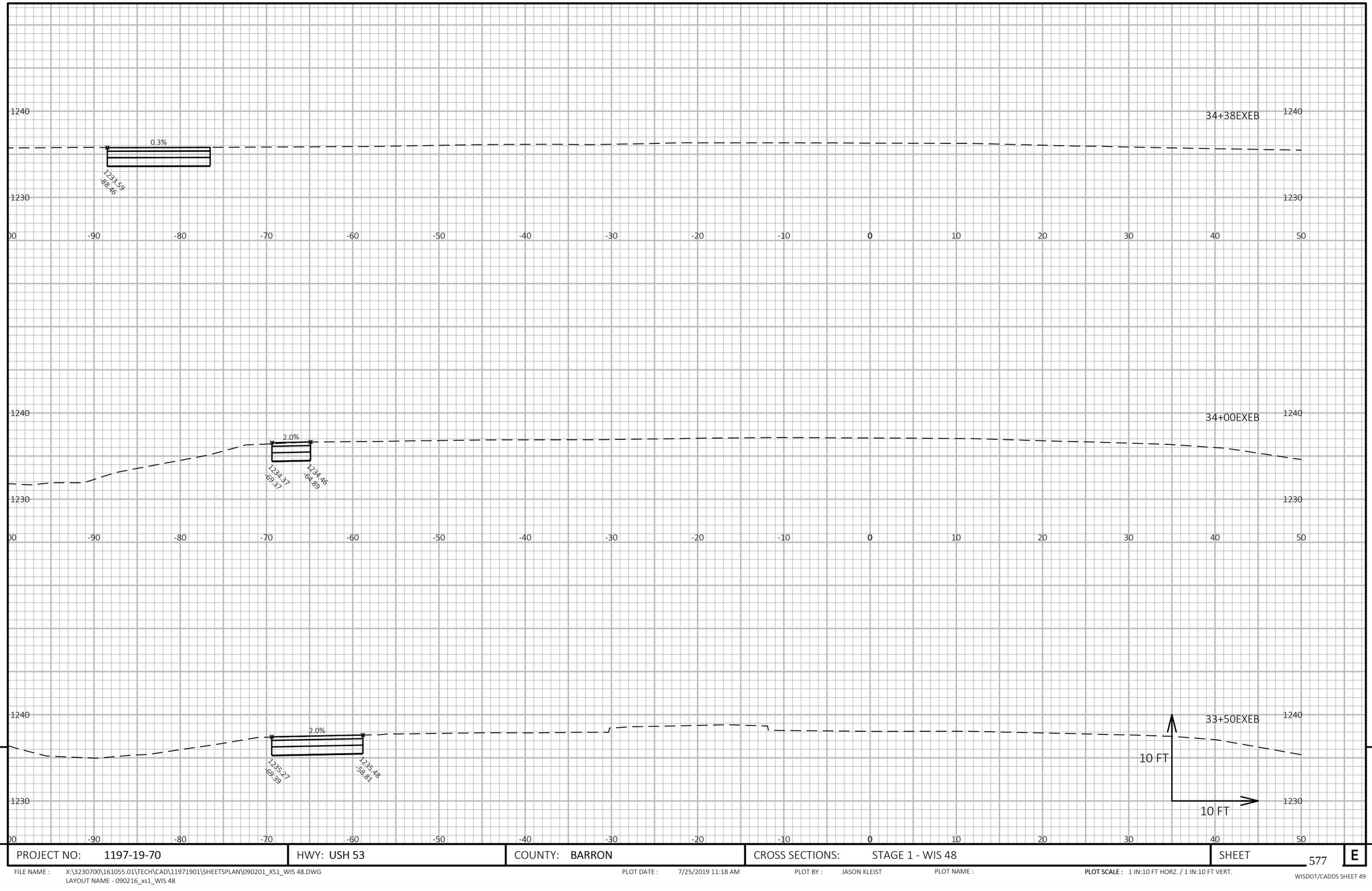
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 576	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090215_xs1_WIS 48

PLOT DATE : 7/25/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WIS 48	SHEET 577	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090201_XS1_WIS 48.DWG
LAYOUT NAME - 090216_xs1_WIS 48

PLOT DATE : 7/25/2019 11:18 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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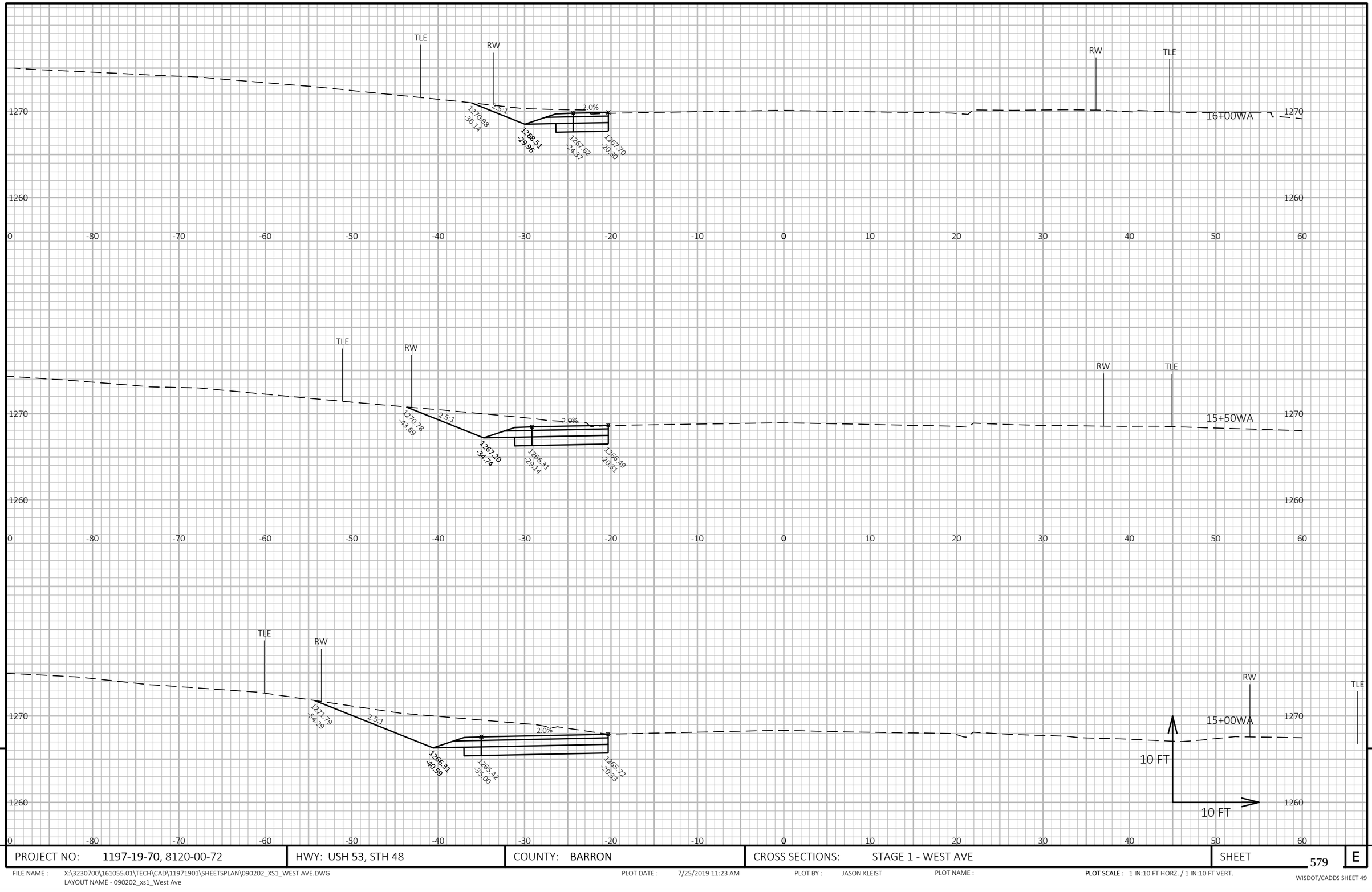
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WEST AVE	SHEET 578	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090202_XS1_WEST AVE.DWG
LAYOUT NAME - 090201_xs1_West Ave

PLOT DATE : 7/25/2019 11:23 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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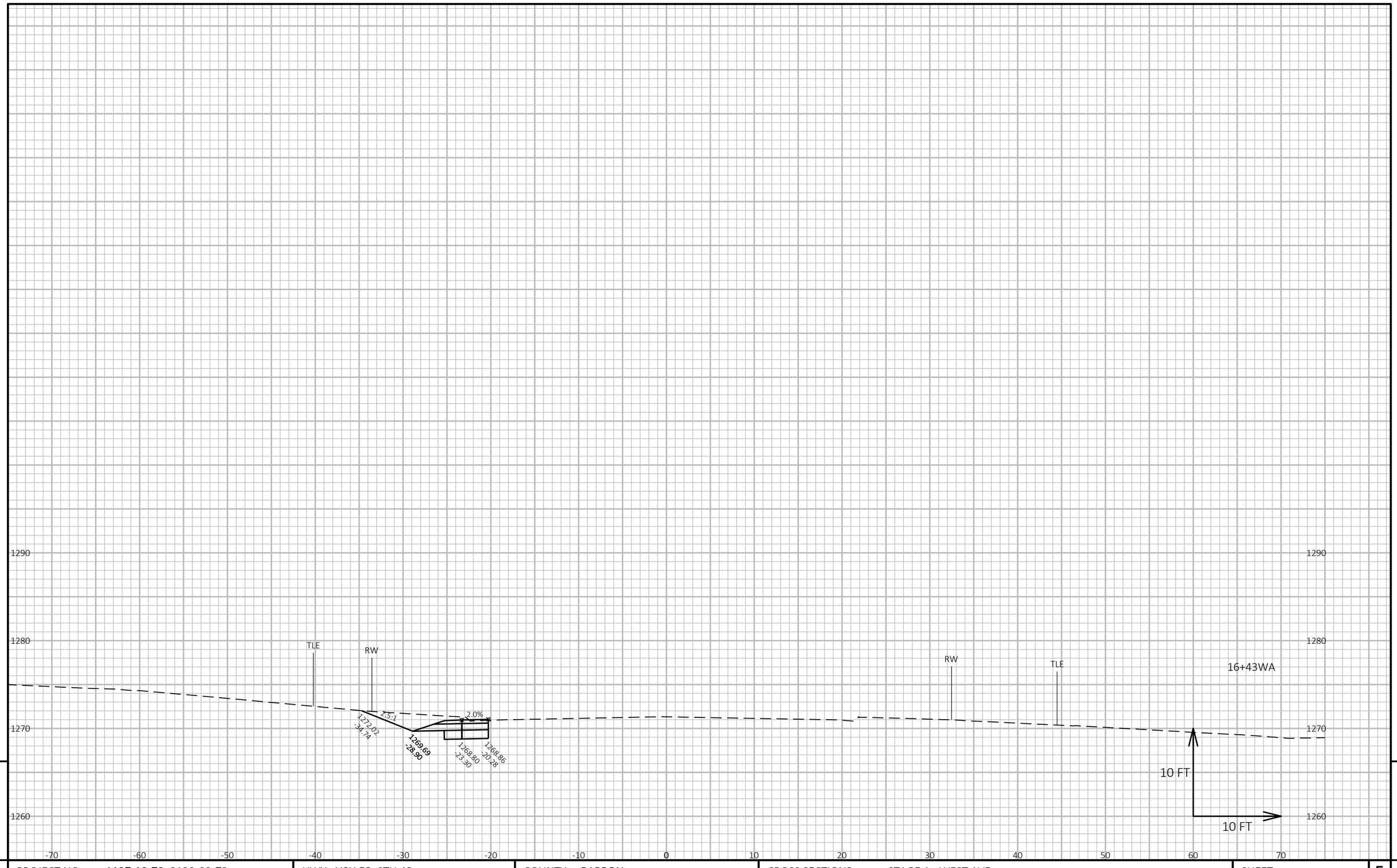
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WEST AVE	SHEET 579	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090202_XS1_WEST AVE.DWG
LAYOUT NAME - 090202_xs1_West Ave

PLOT DATE : 7/25/2019 11:23 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



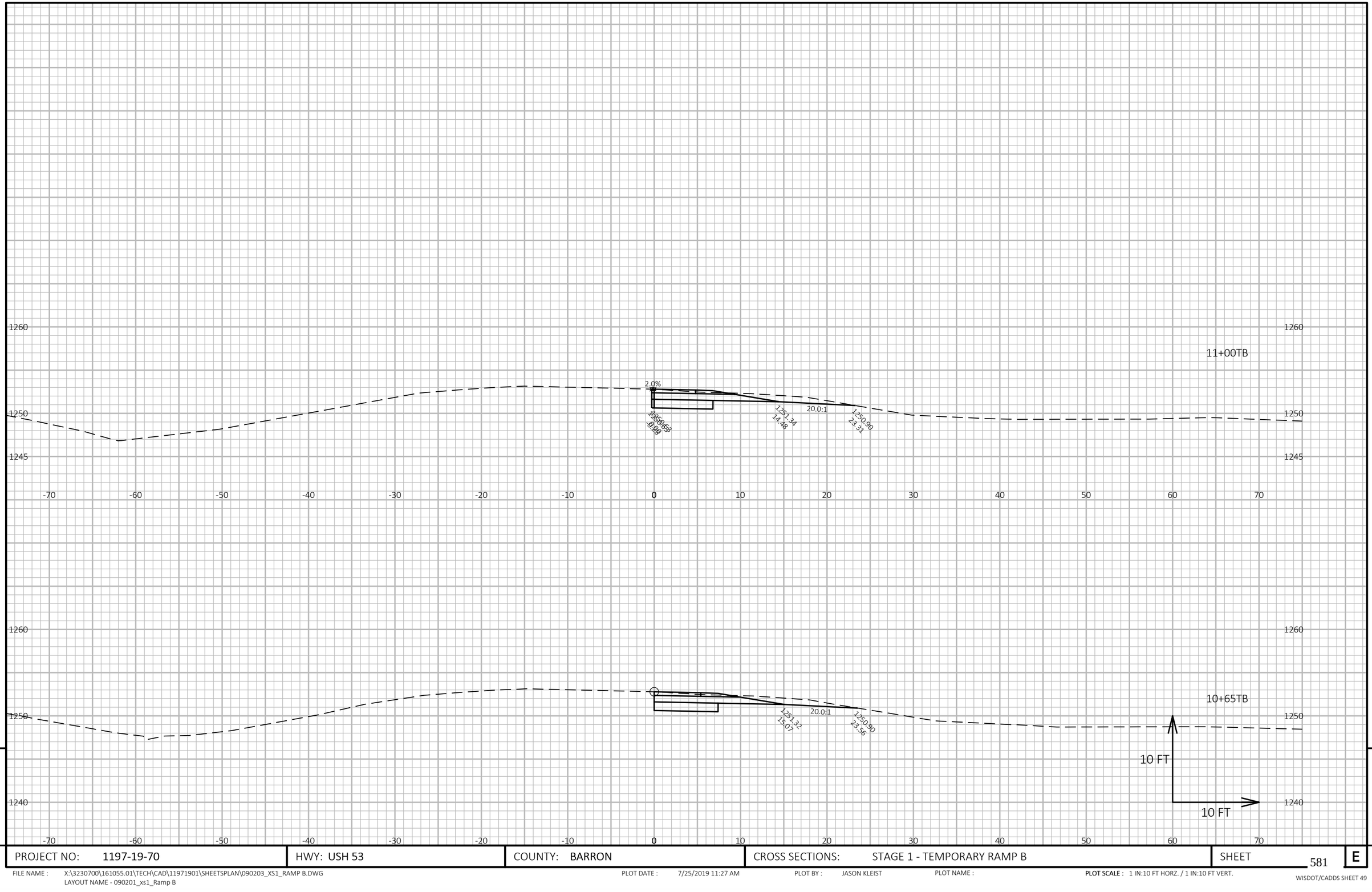
9 9

PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - WEST AVE	SHEET 580	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090202_XS1_WEST AVE.DWG
LAYOUT NAME - 090203_xs1_West Ave

PLOT DATE : 7/25/2019 11:23 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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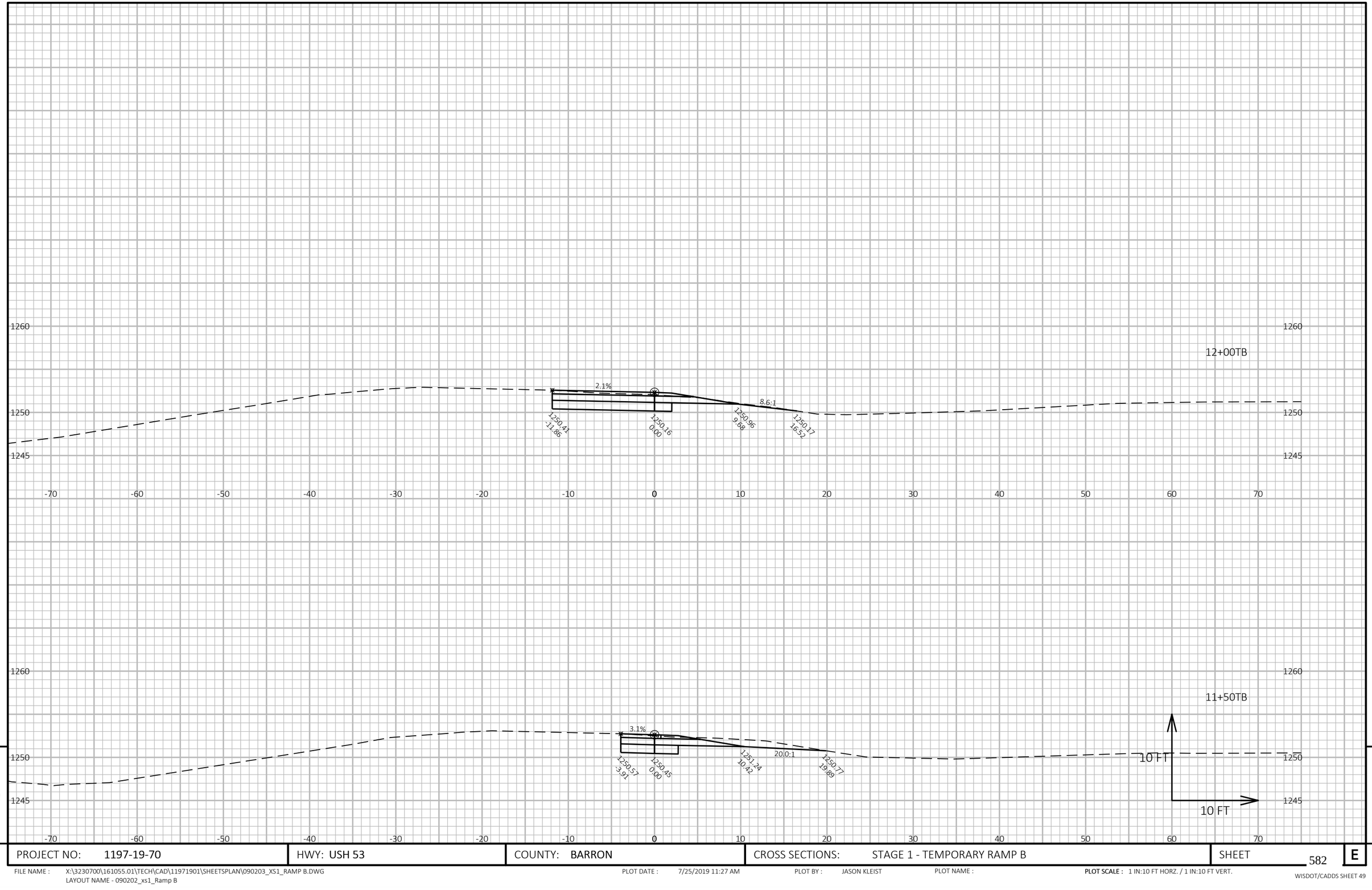
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP B	SHEET 581	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090203_XS1_RAMP B.DWG
LAYOUT NAME - 090201_xs1_Ramp B

PLOT DATE : 7/25/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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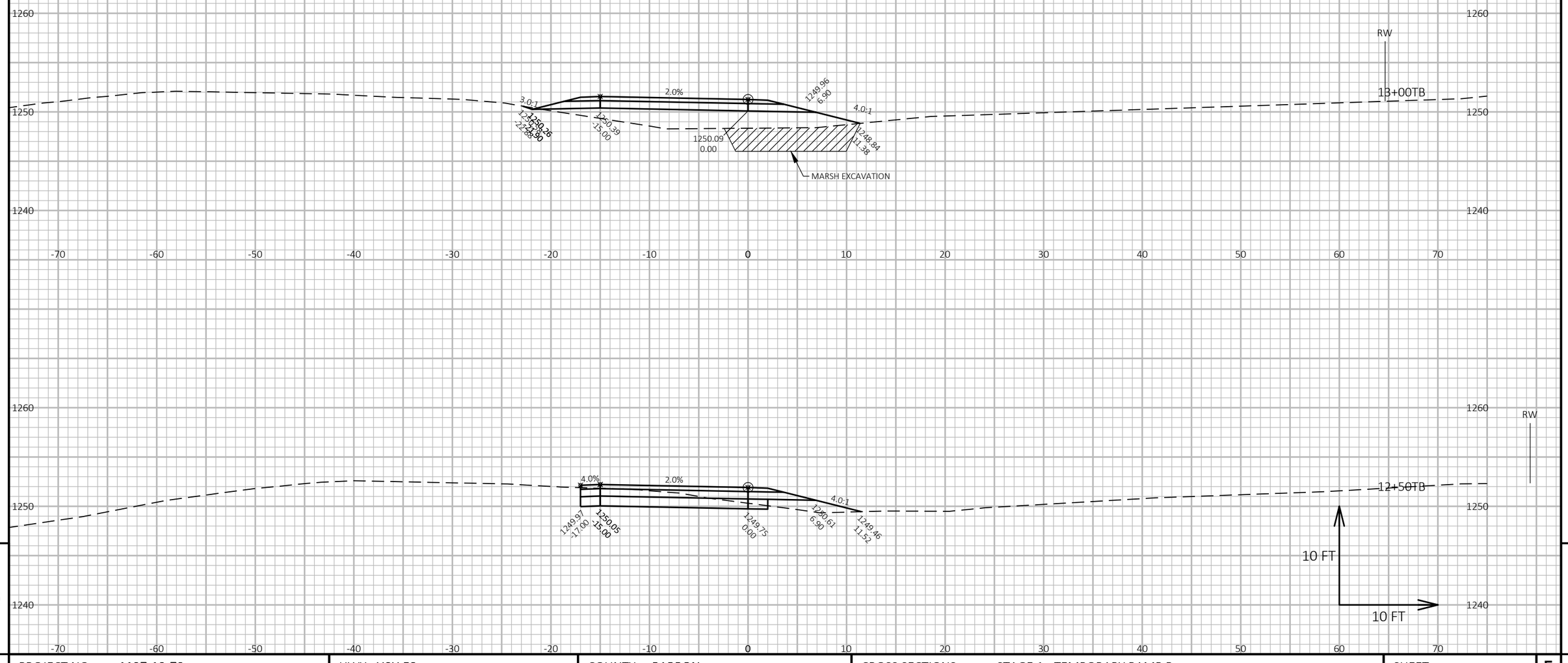
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP B	SHEET 582	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090203_XS1_RAMP B.DWG
LAYOUT NAME - 090202_xs1_Ramp B

PLOT DATE : 7/25/2019 11:27 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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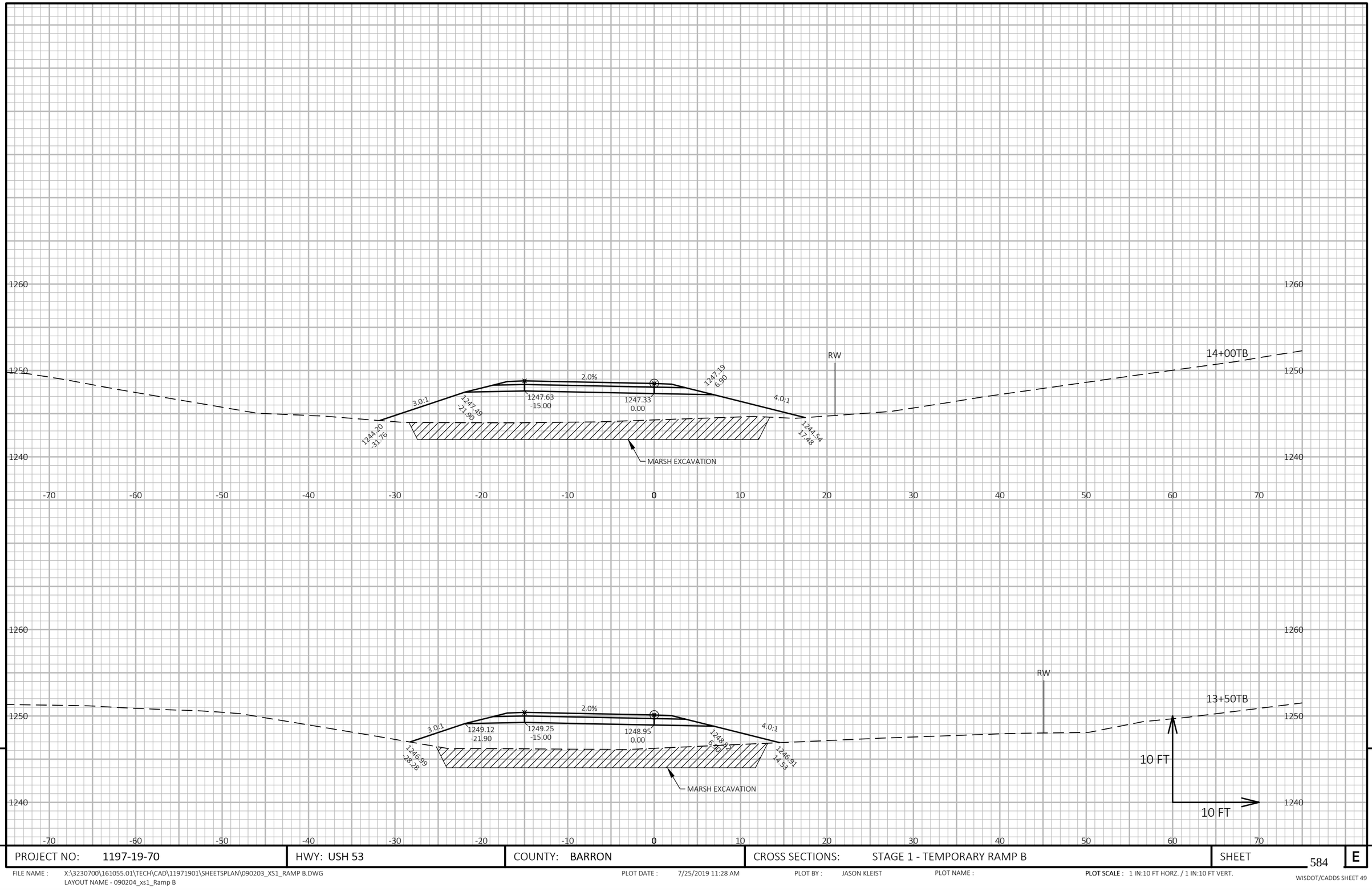
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP B	SHEET 583	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090203_XS1_RAMP B.DWG
LAYOUT NAME - 090203_xs1_Ramp B

PLOT DATE : 7/25/2019 11:28 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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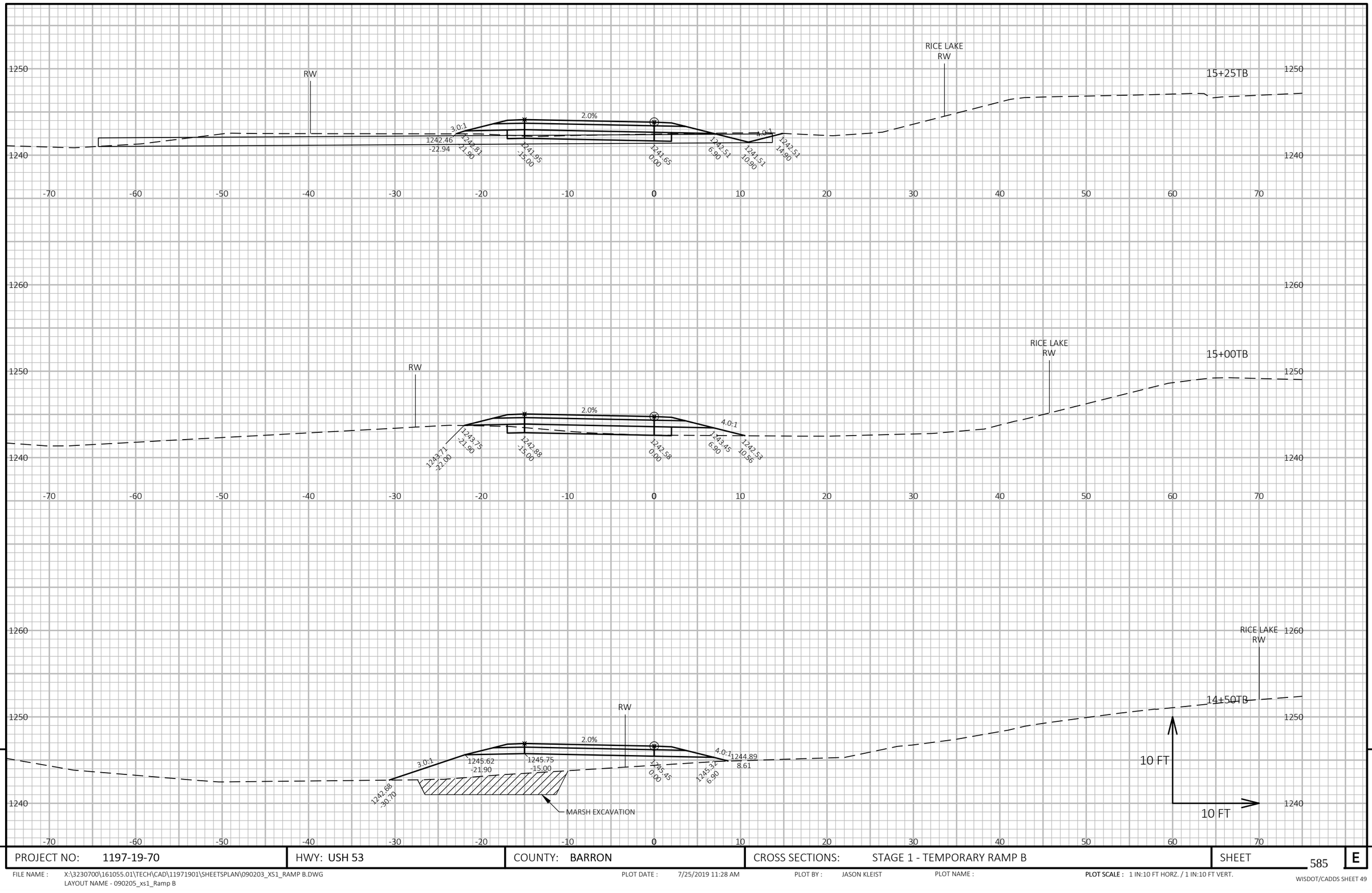
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP B	SHEET 584	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090203_XS1_RAMP B.DWG
LAYOUT NAME - 090204_xs1_Ramp B

PLOT DATE : 7/25/2019 11:28 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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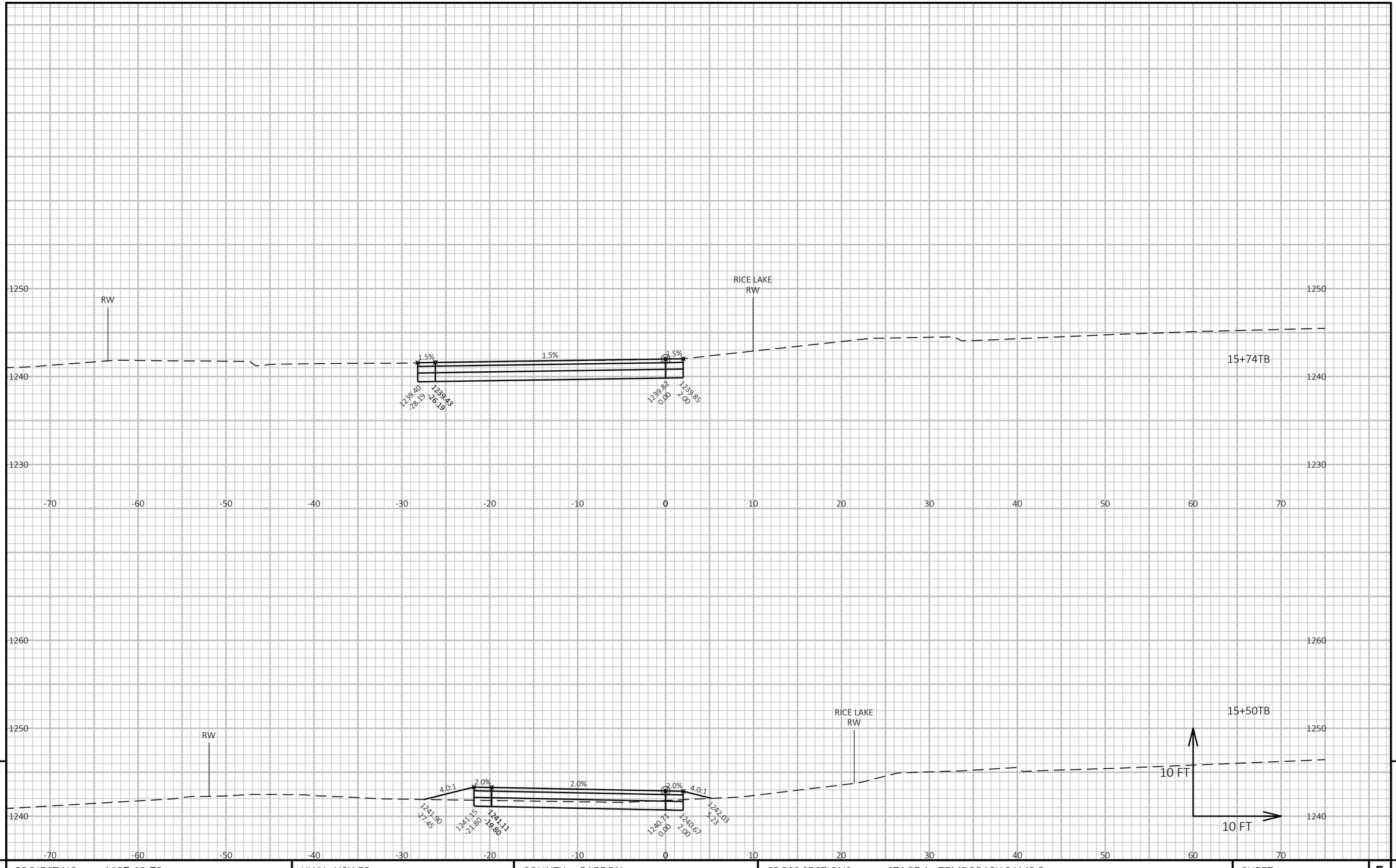
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP B	SHEET 585	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090203_XS1_RAMP B.DWG
LAYOUT NAME - 090205_xs1_Ramp B

PLOT DATE : 7/25/2019 11:28 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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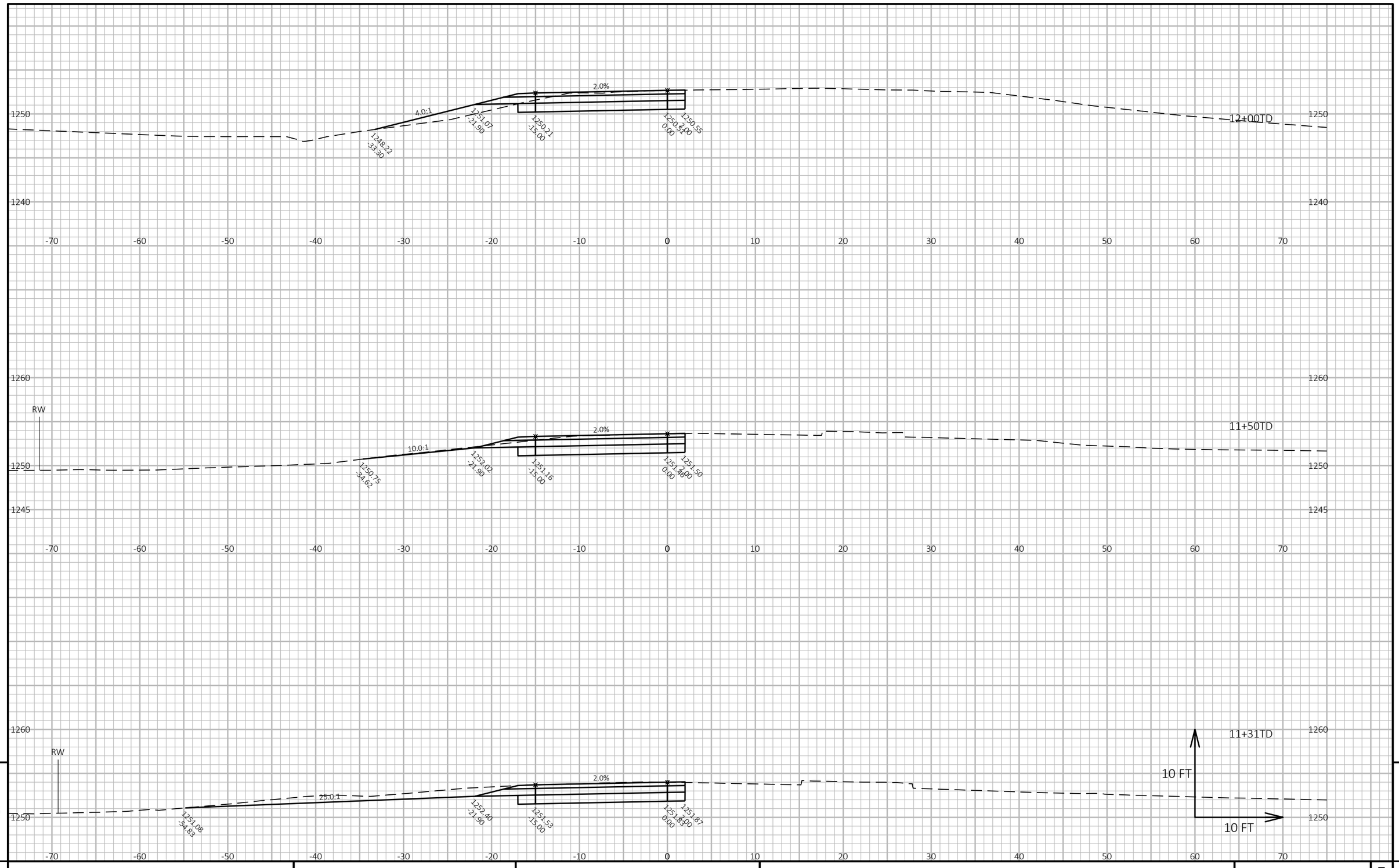
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP B	SHEET 586	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090203_XS1_RAMP B.DWG
LAYOUT NAME - 090206_xs1_Ramp B

PLOT DATE : 7/25/2019 11:28 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

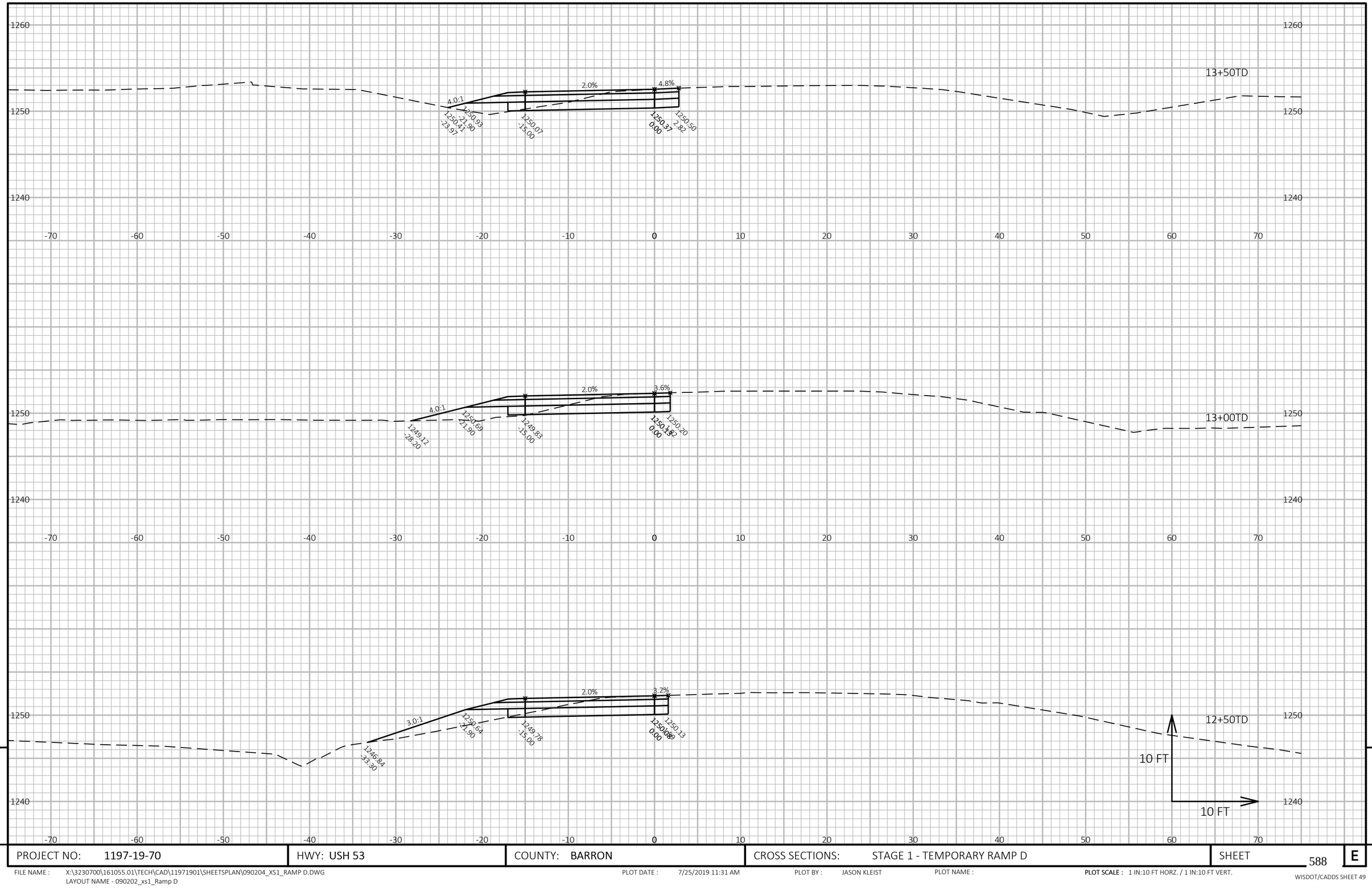


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP D	SHEET 587	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090204_XS1_RAMP D.DWG
LAYOUT NAME - 090201_xs1_Ramp D

PLOT DATE : 7/25/2019 11:31 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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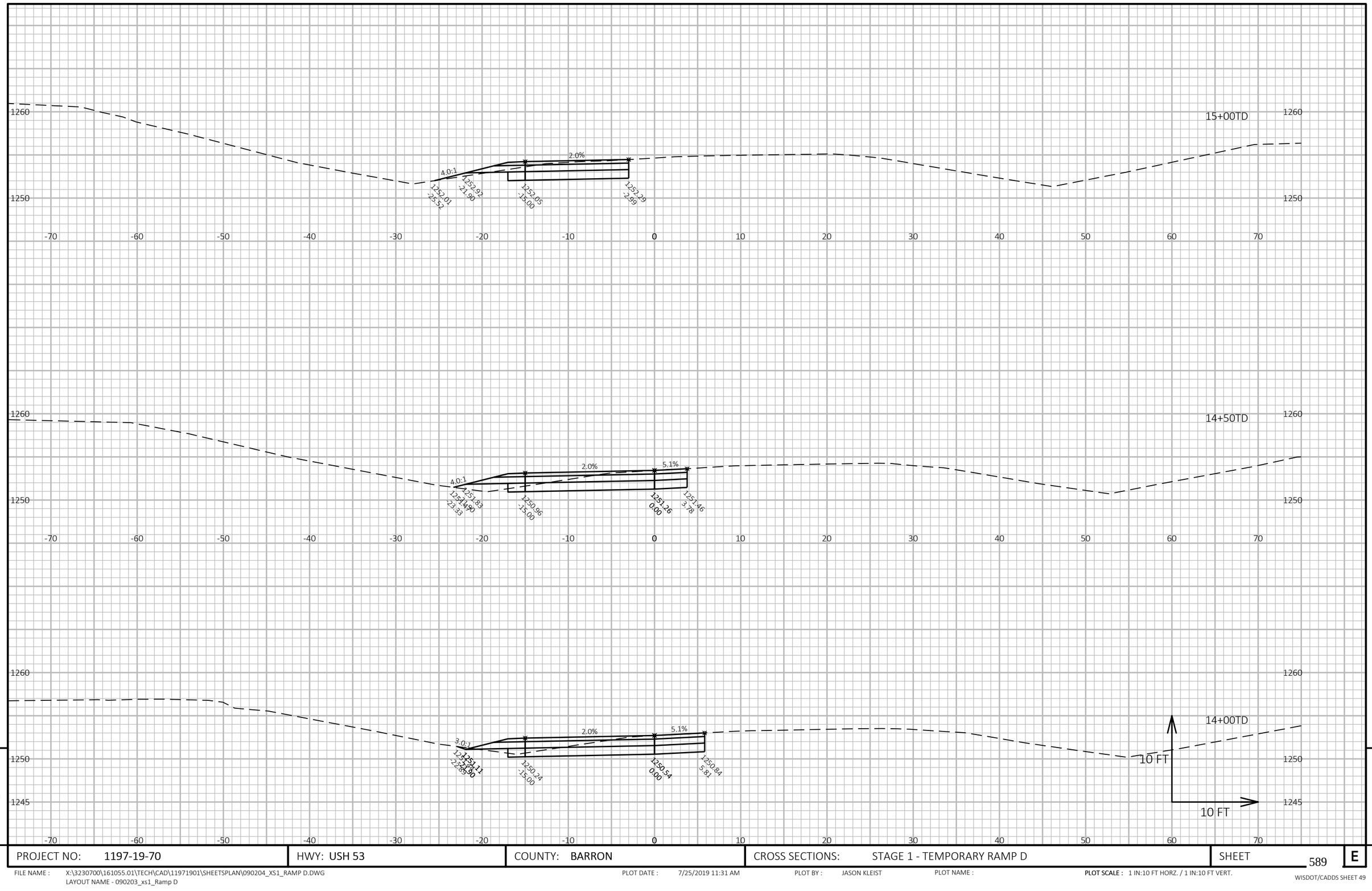
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP D	SHEET 588	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090204_XS1_RAMP D.DWG
LAYOUT NAME - 090202_xs1_Ramp D

PLOT DATE : 7/25/2019 11:31 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

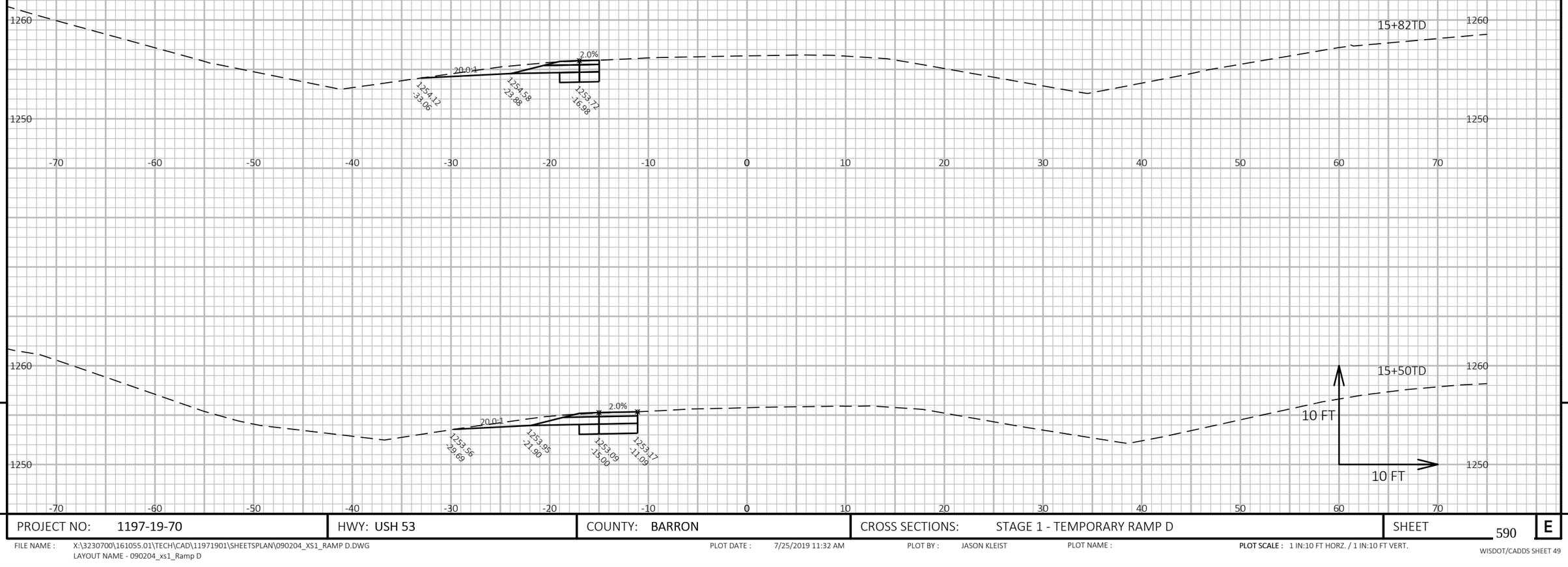


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP D	SHEET 589	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090204_XS1_RAMP D.DWG
LAYOUT NAME - 090203_xs1_Ramp D

PLOT DATE : 7/25/2019 11:31 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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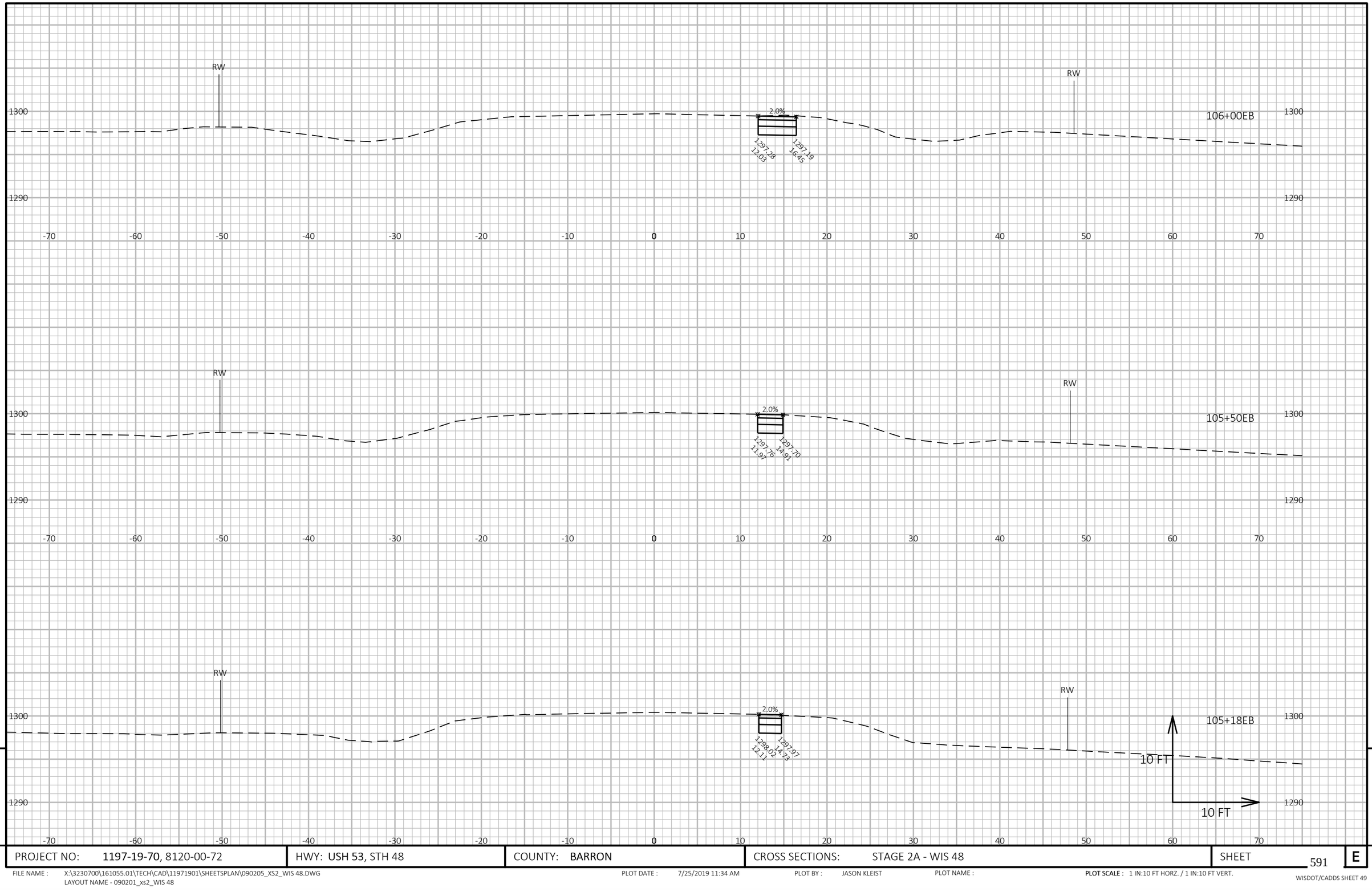
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 1 - TEMPORARY RAMP D	SHEET 590	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090204_XS1_RAMP D.DWG
LAYOUT NAME - 090204_xs1_Ramp D

PLOT DATE : 7/25/2019 11:32 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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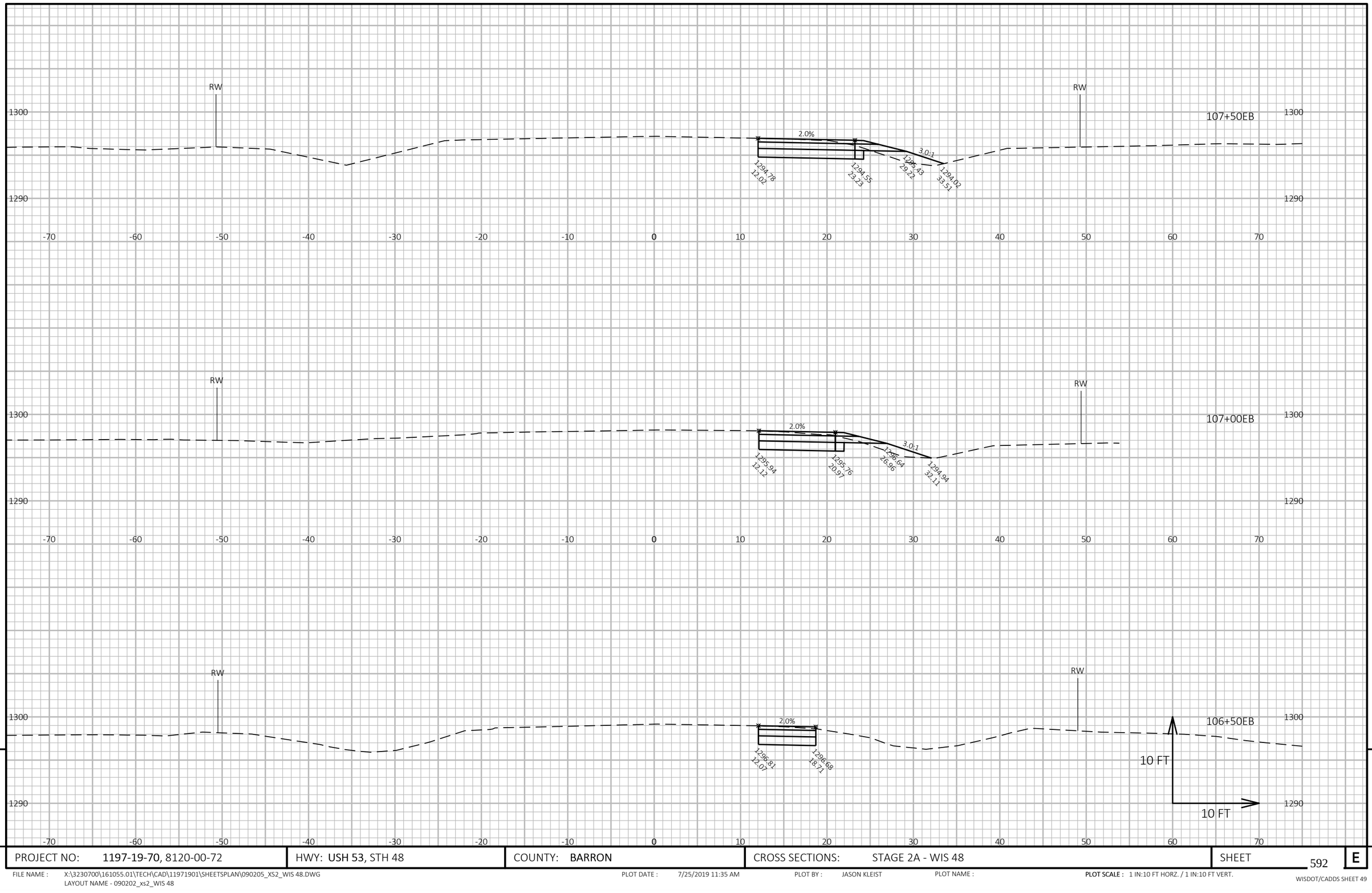
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 591	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090201_xs2_WIS 48

PLOT DATE : 7/25/2019 11:34 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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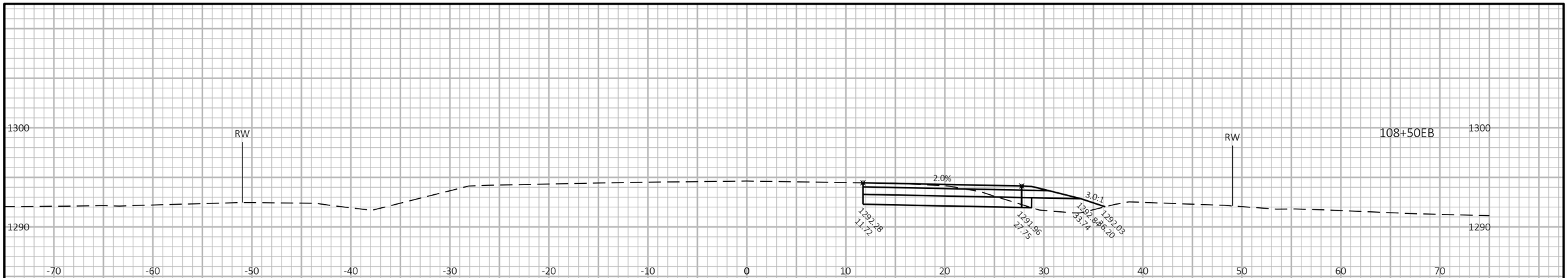
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 592	E

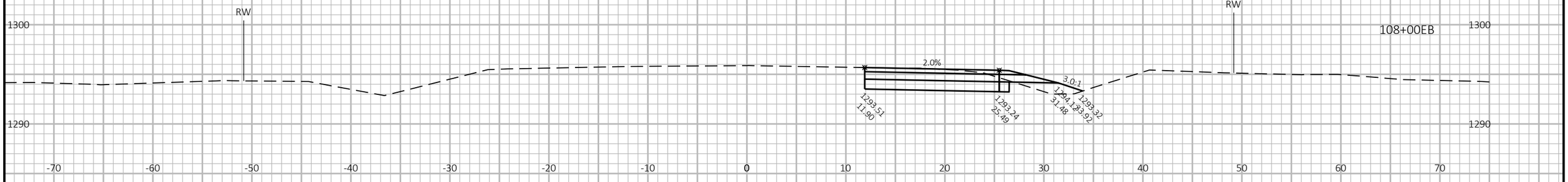
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090202_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME :

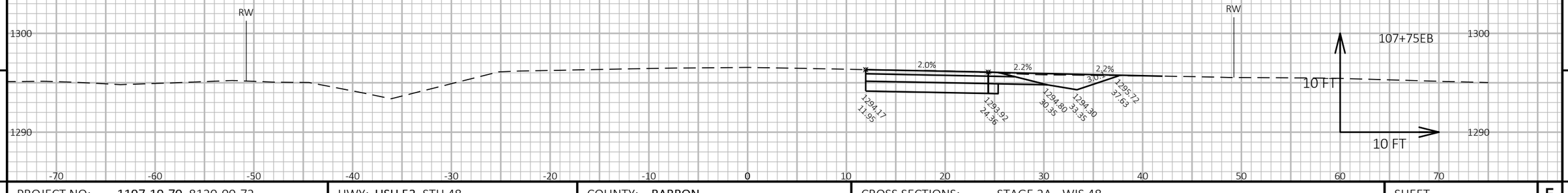
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





MAINTAIN P.E. RT



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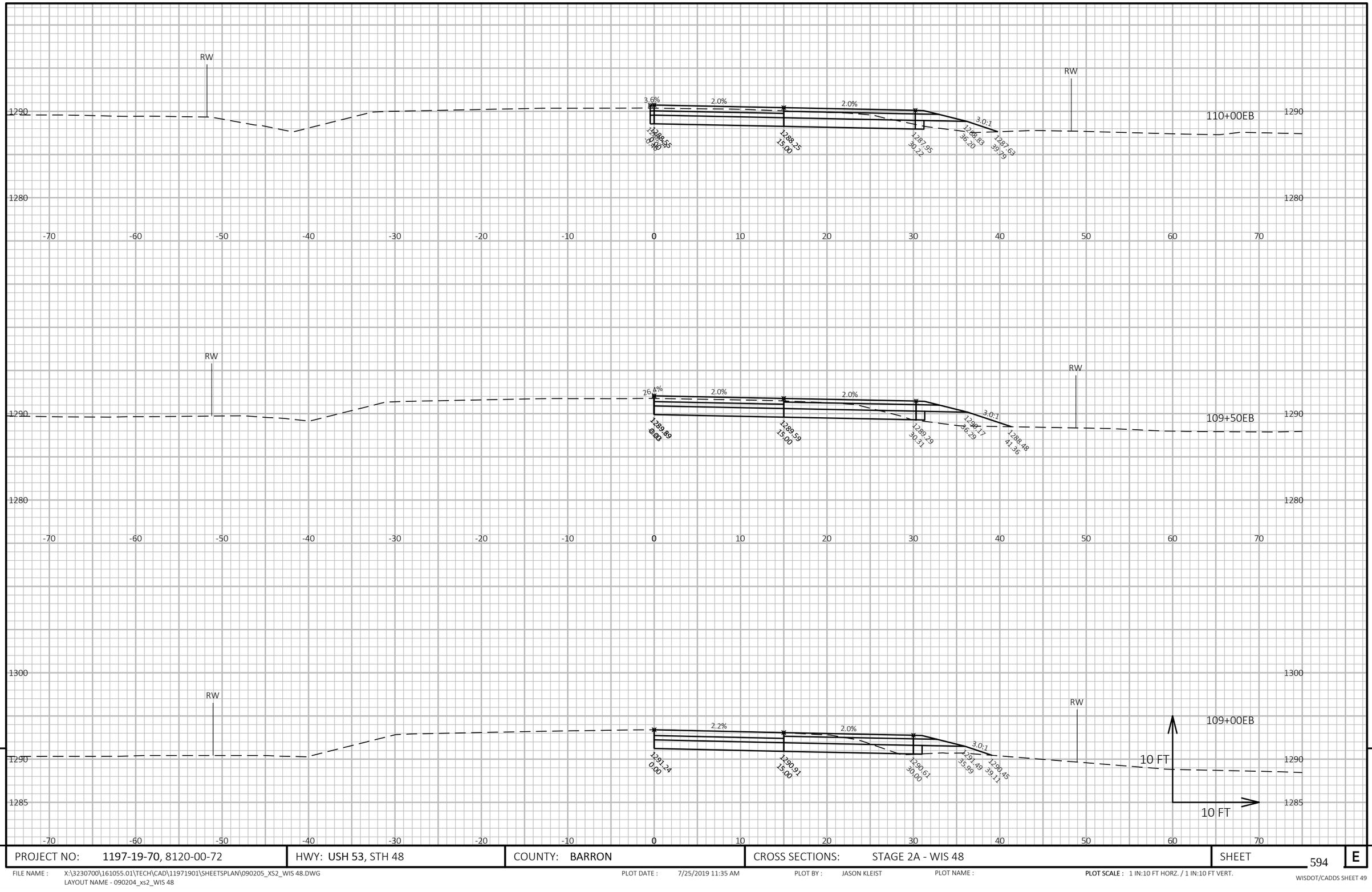
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 593	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090203_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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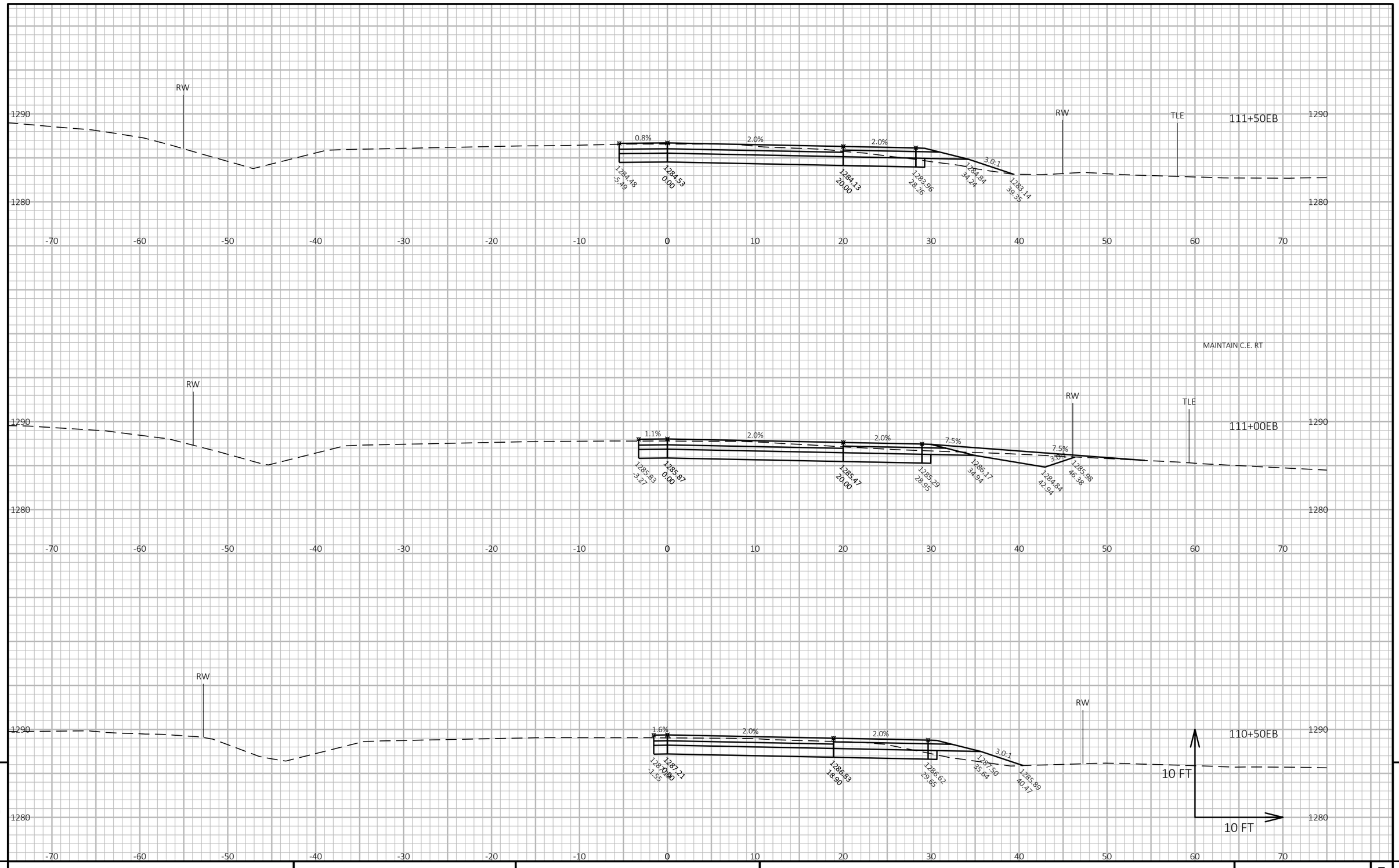
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 594	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090204_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 595	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090205_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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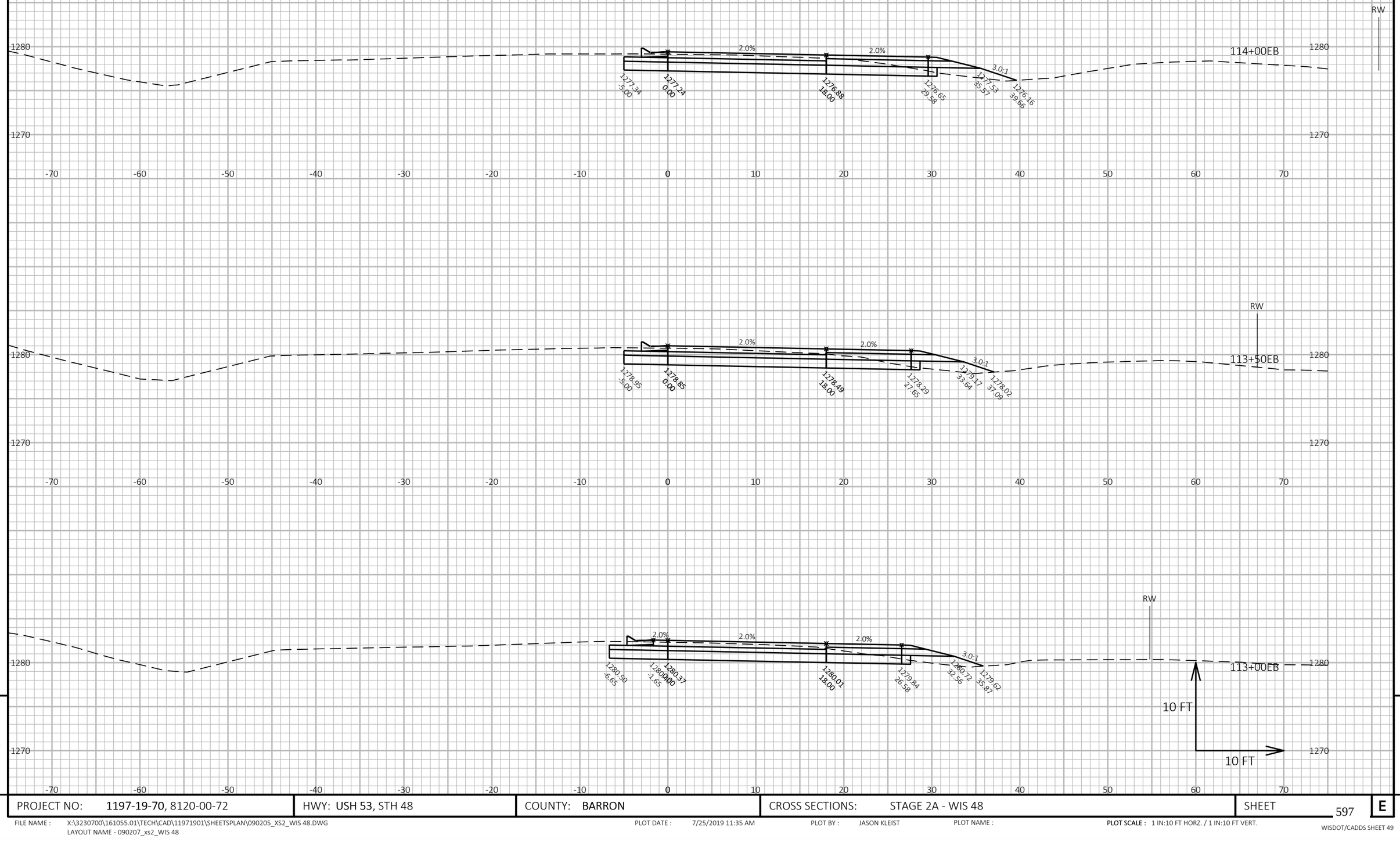
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 596	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090206_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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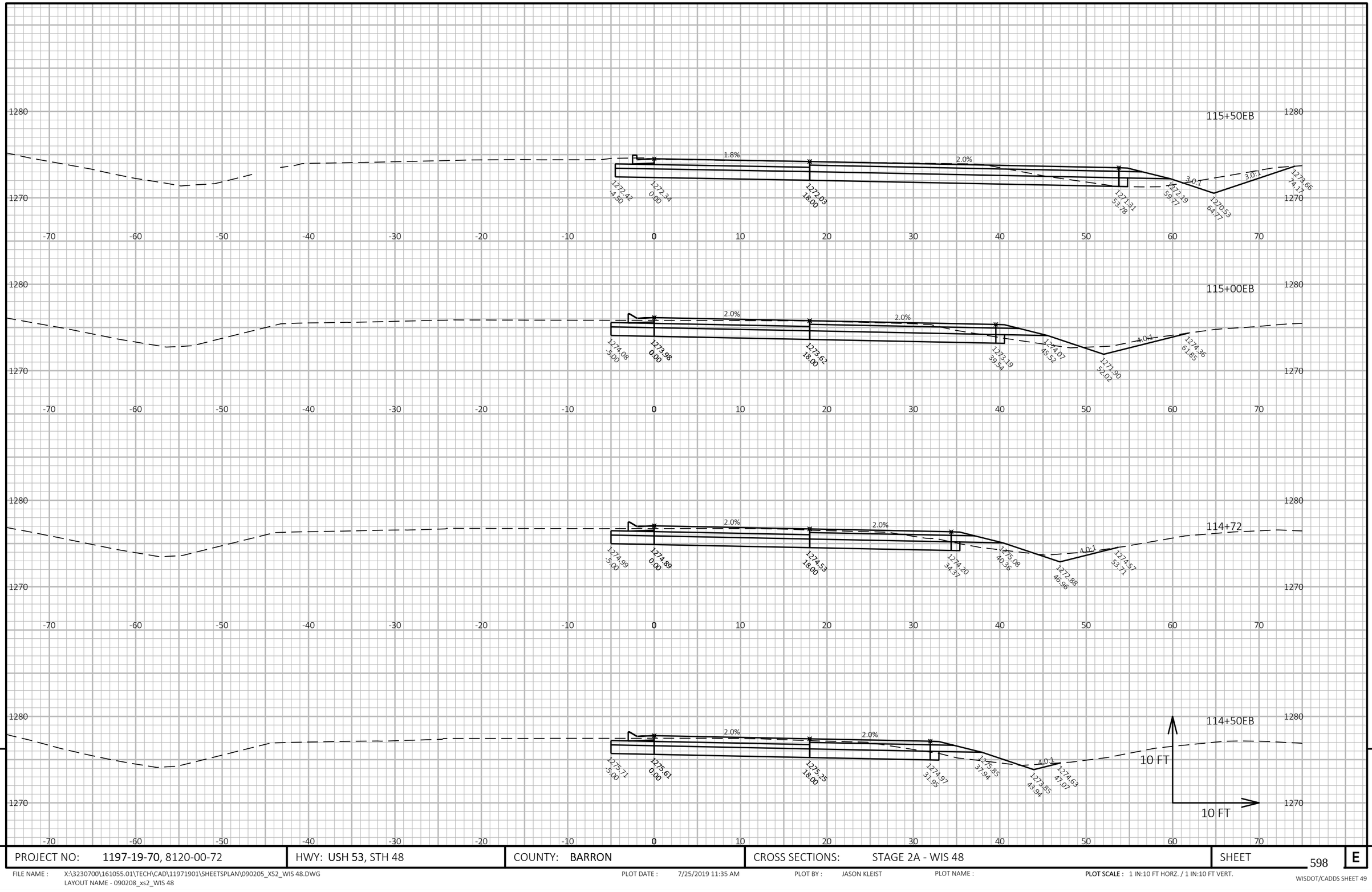
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 597	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090207_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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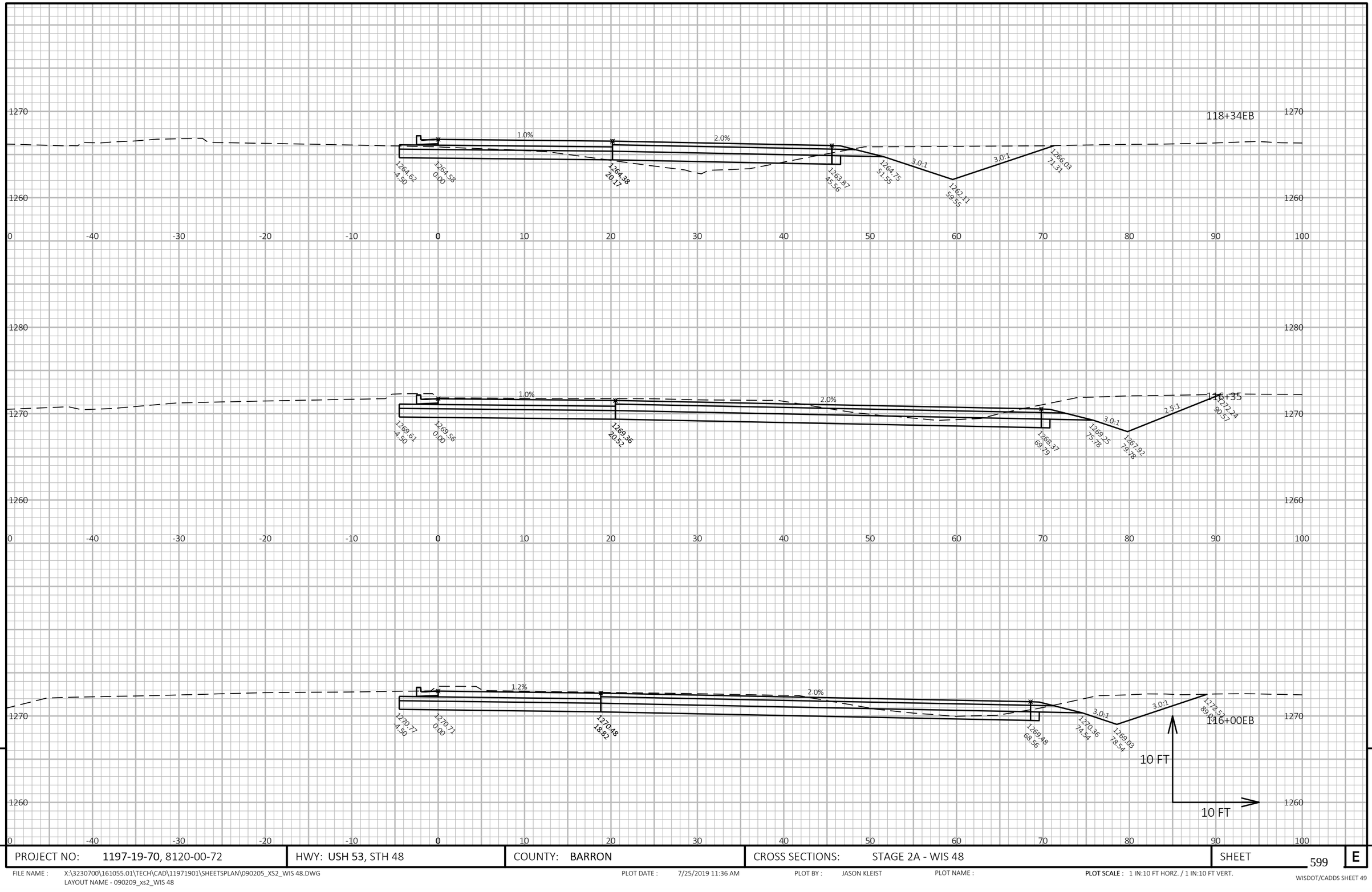
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 598	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090208_xs2_WIS 48

PLOT DATE : 7/25/2019 11:35 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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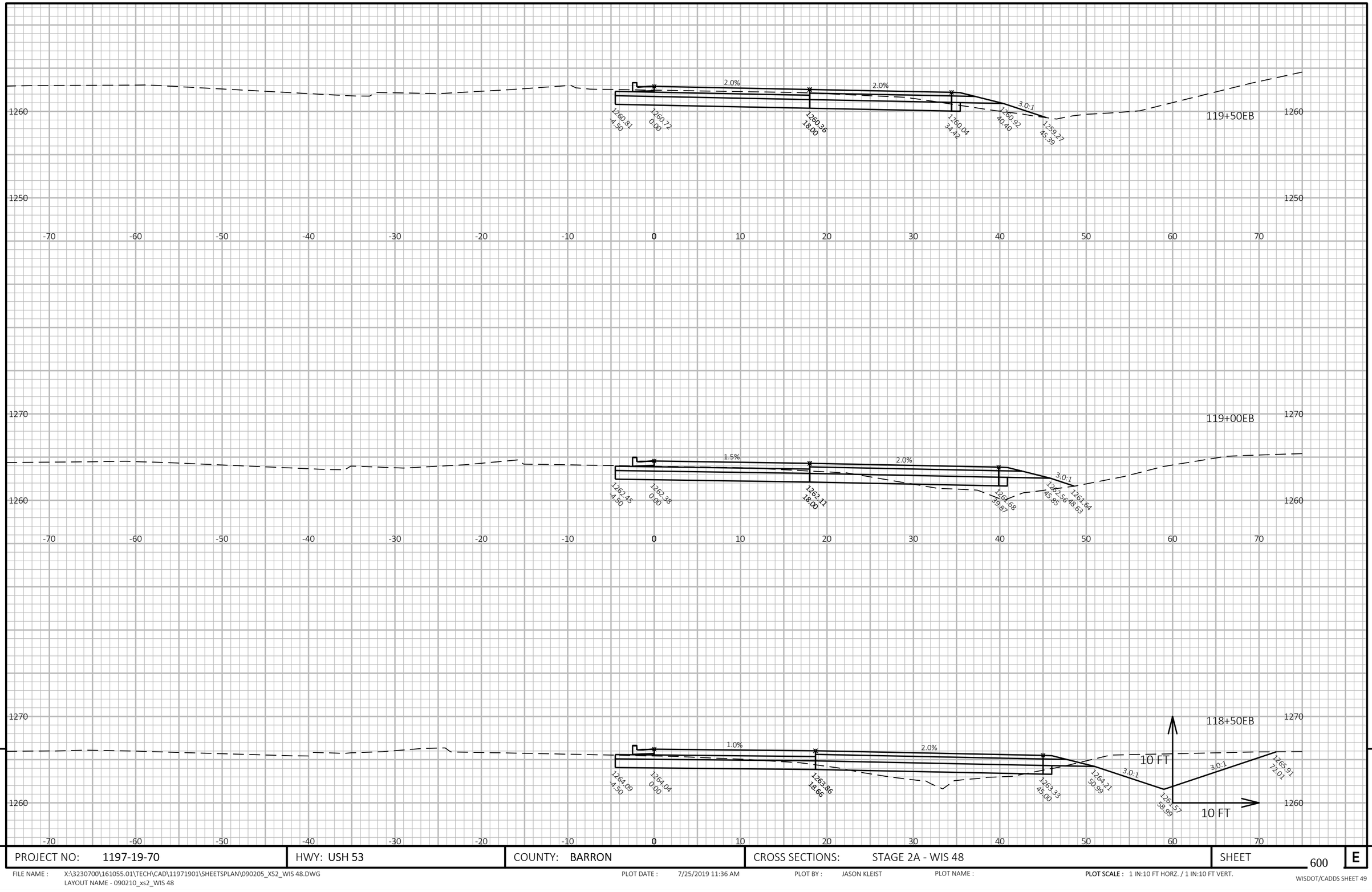
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 599	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090209_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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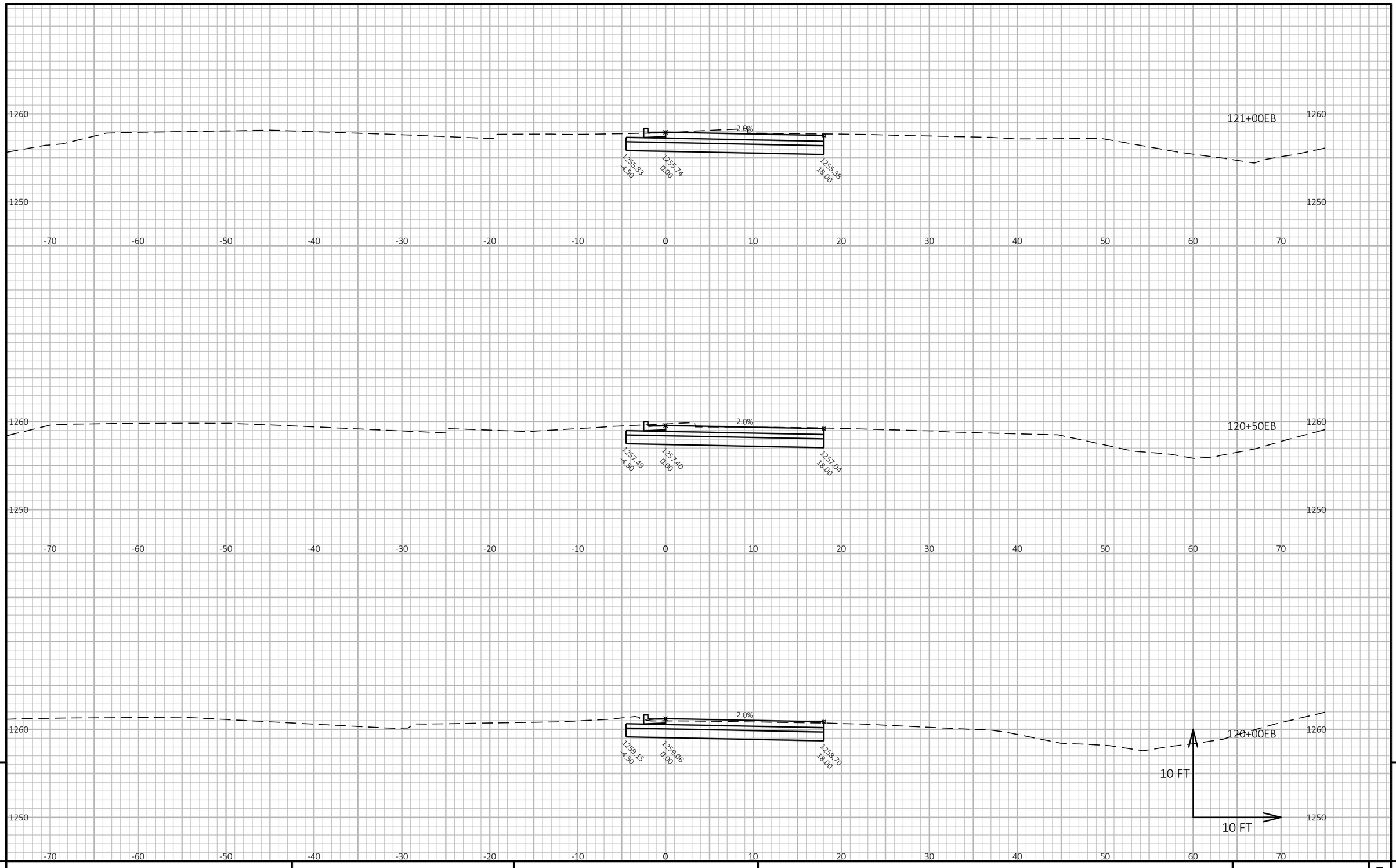
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 600	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090210_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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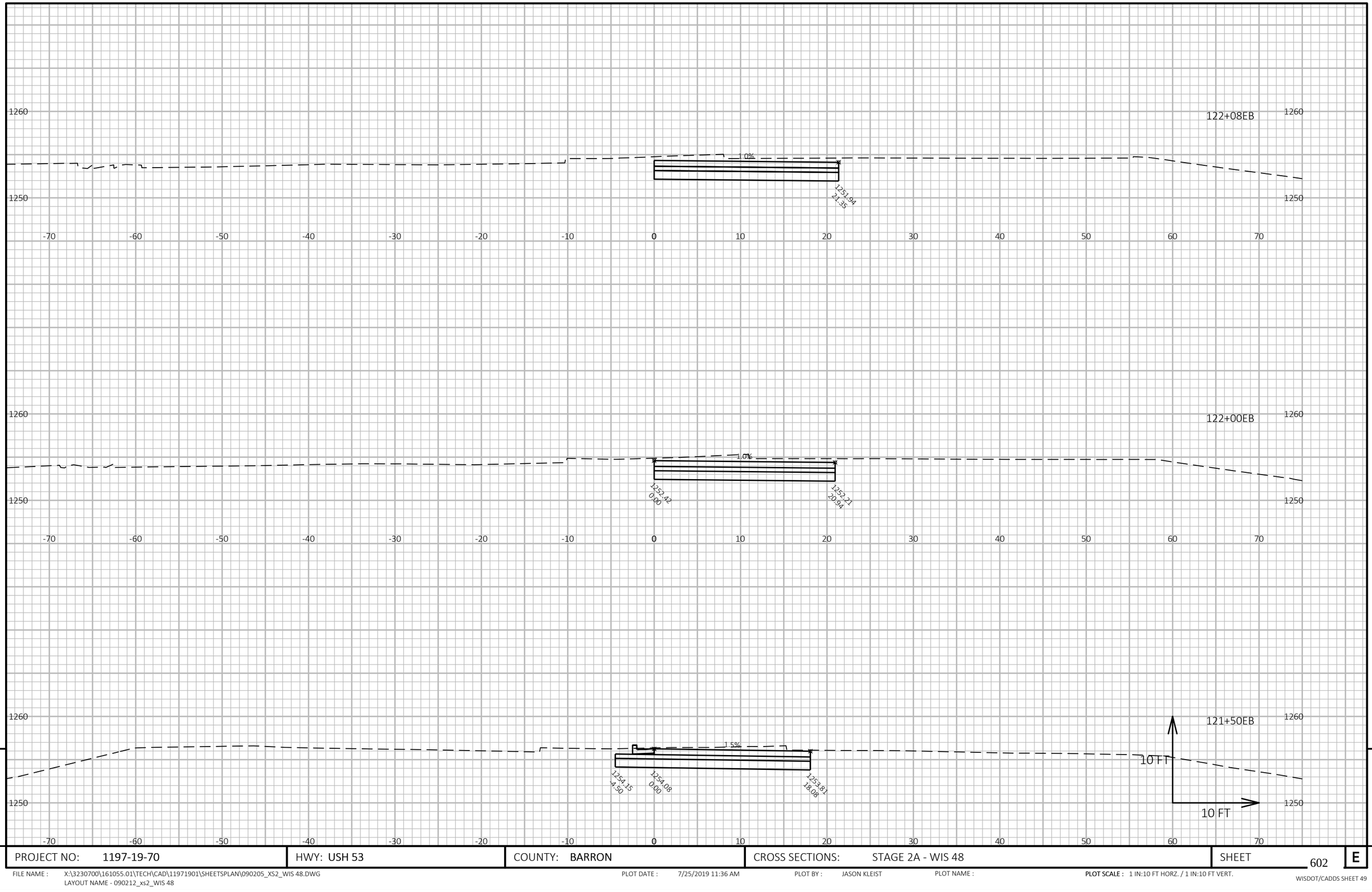
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 601	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090211_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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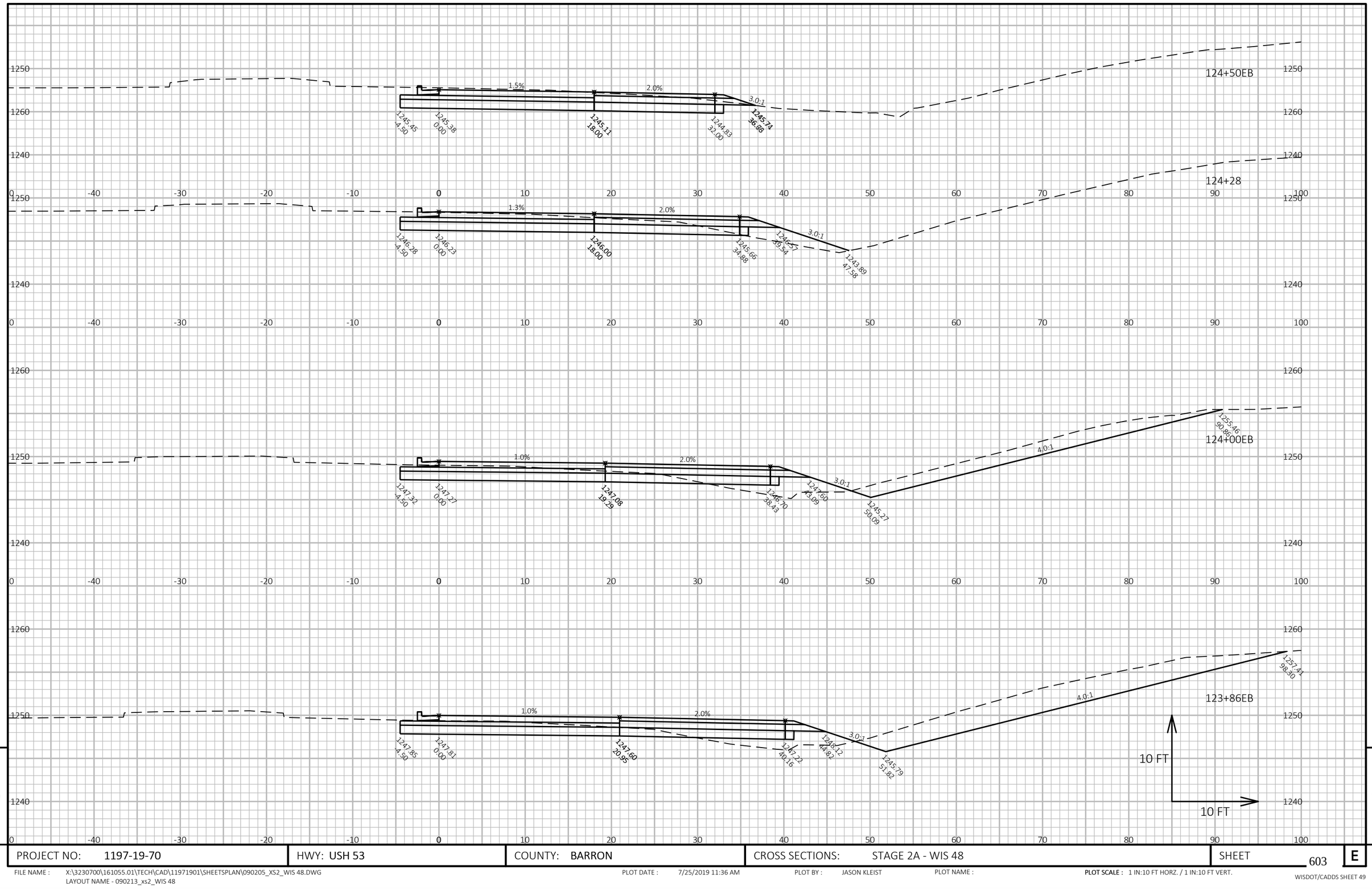
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 602	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090212_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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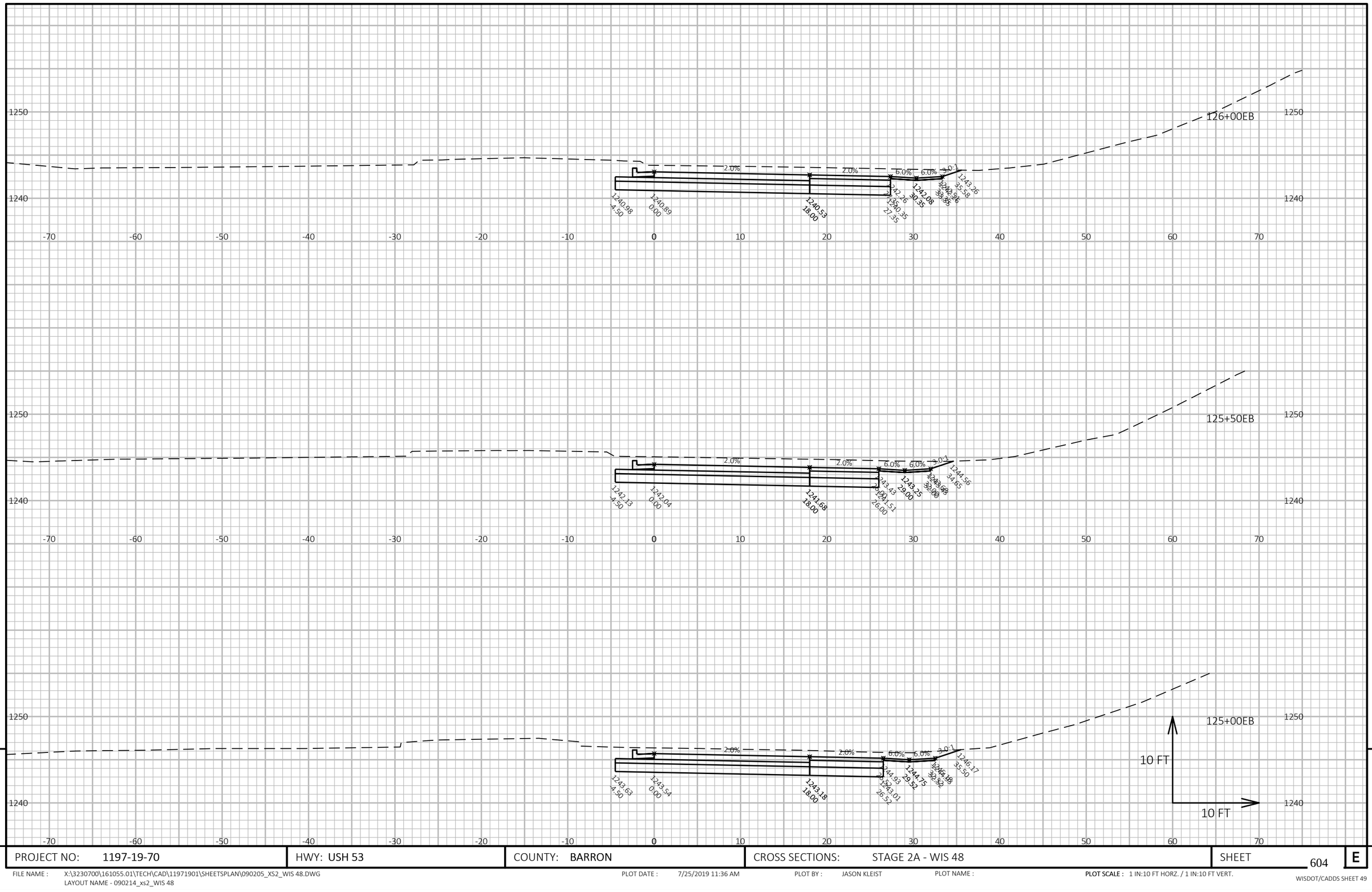
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 603	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090213_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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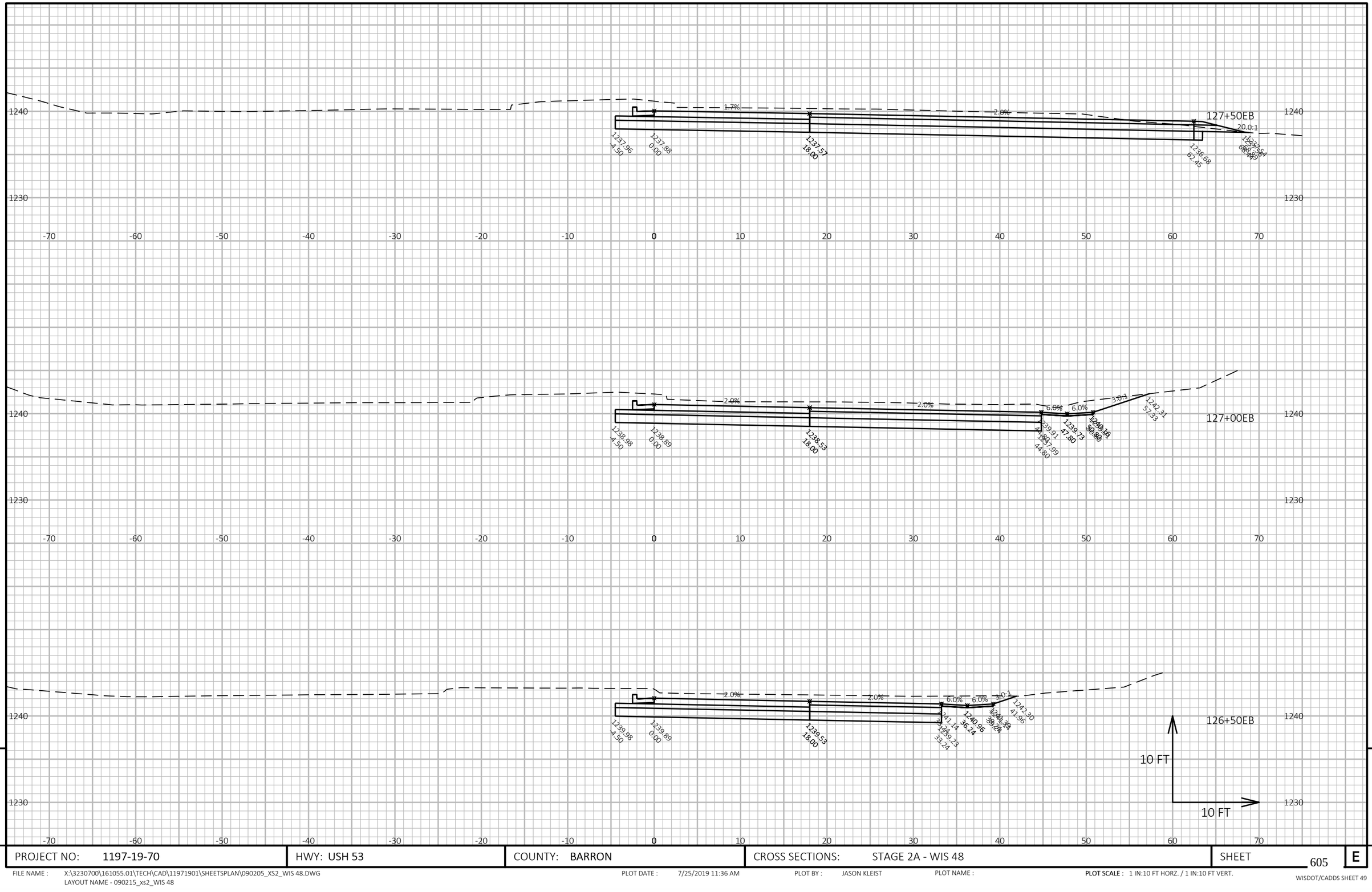
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 604	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090214_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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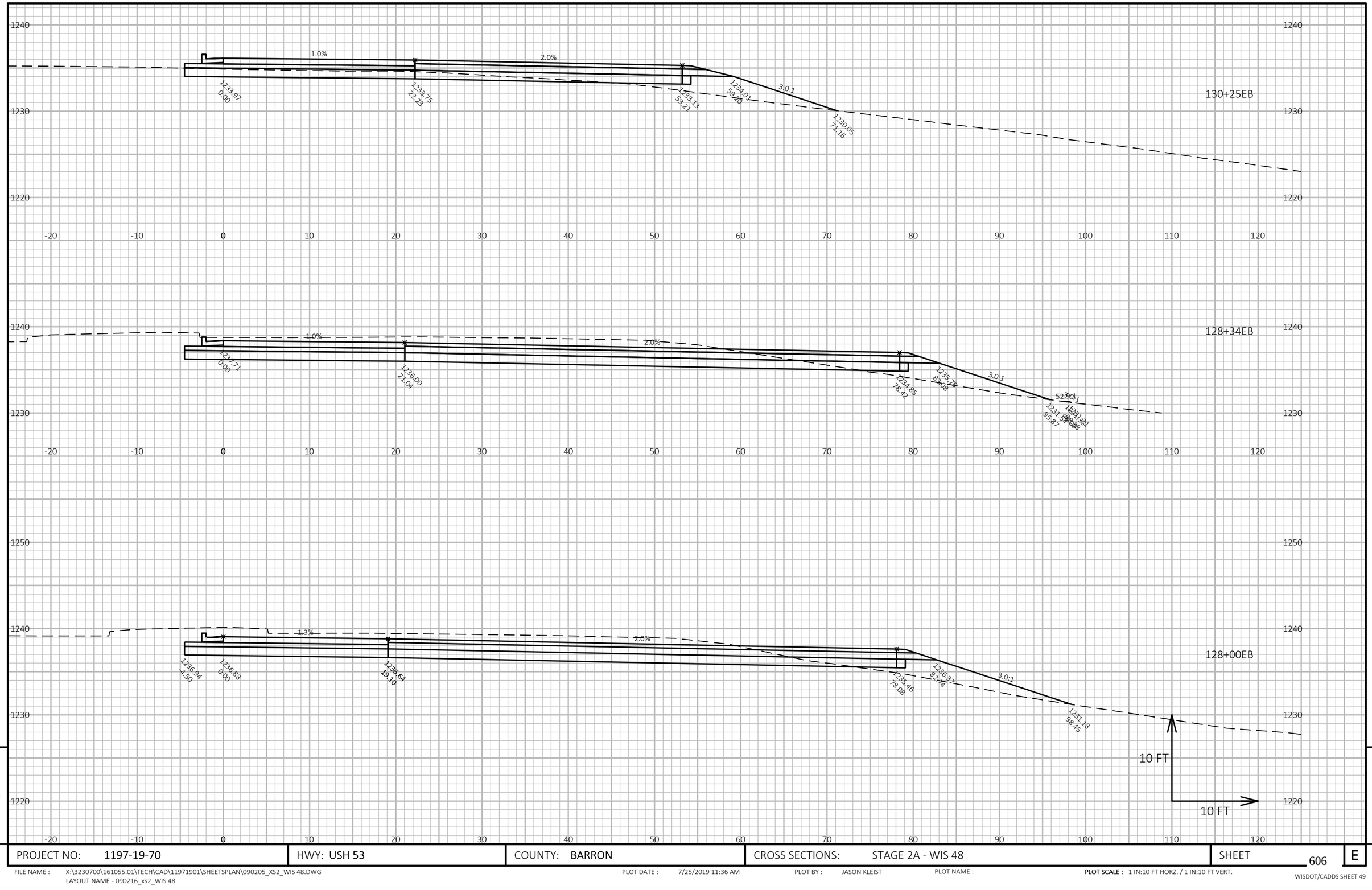
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 605	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090215_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

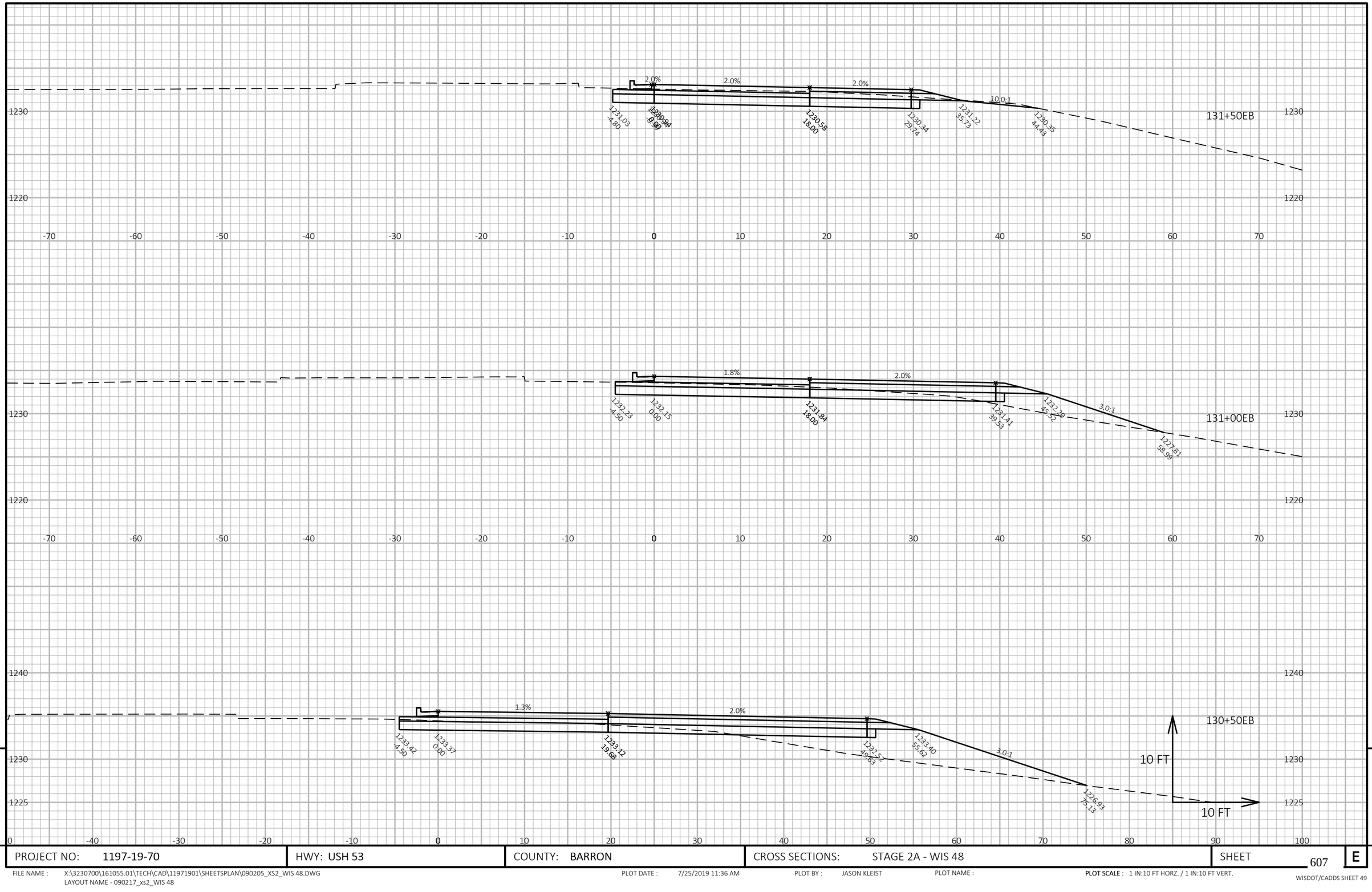


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 606	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090216_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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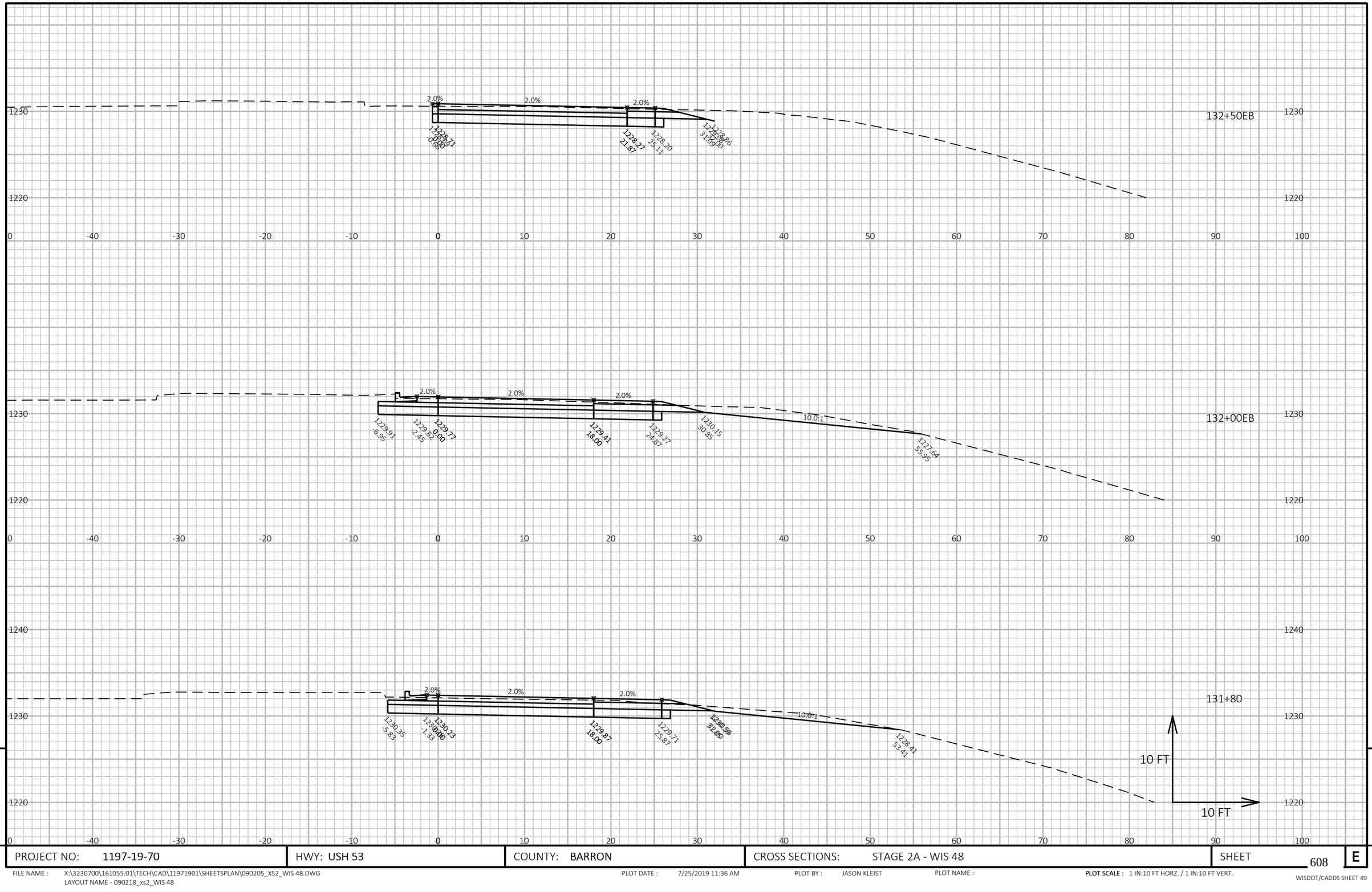
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 607	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090217_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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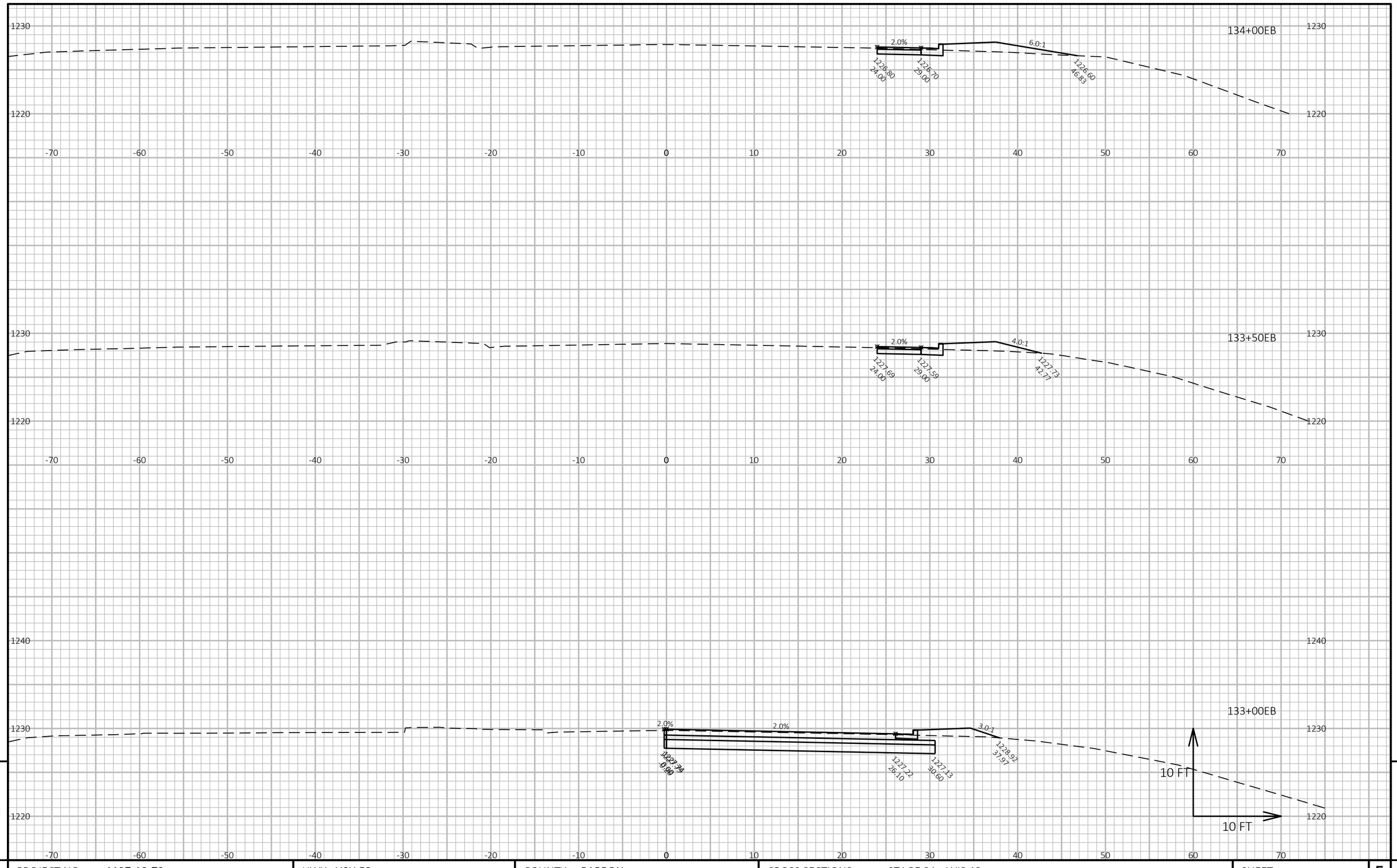
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 608	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090218_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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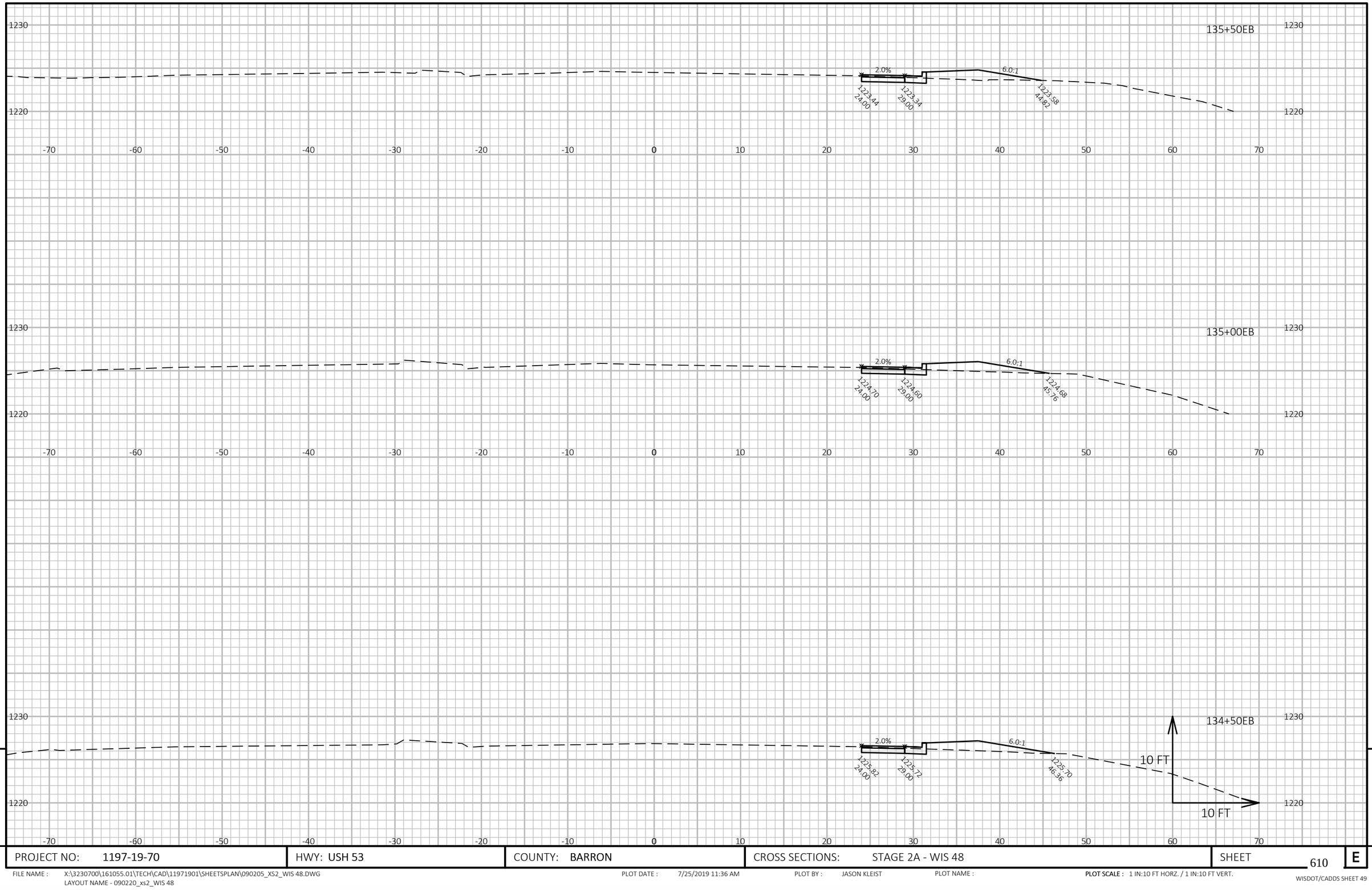
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 609	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090219_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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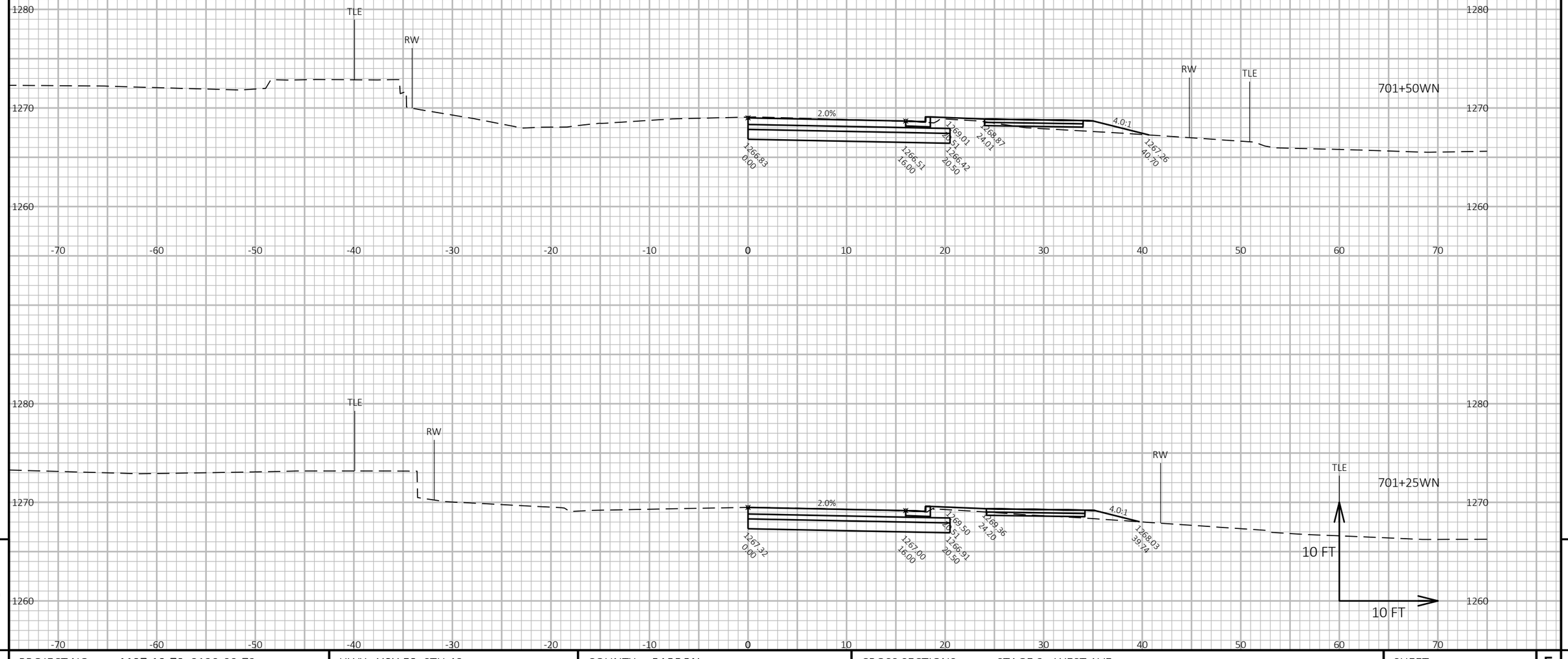
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2A - WIS 48	SHEET 610	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090205_XS2_WIS 48.DWG
LAYOUT NAME - 090220_xs2_WIS 48

PLOT DATE : 7/25/2019 11:36 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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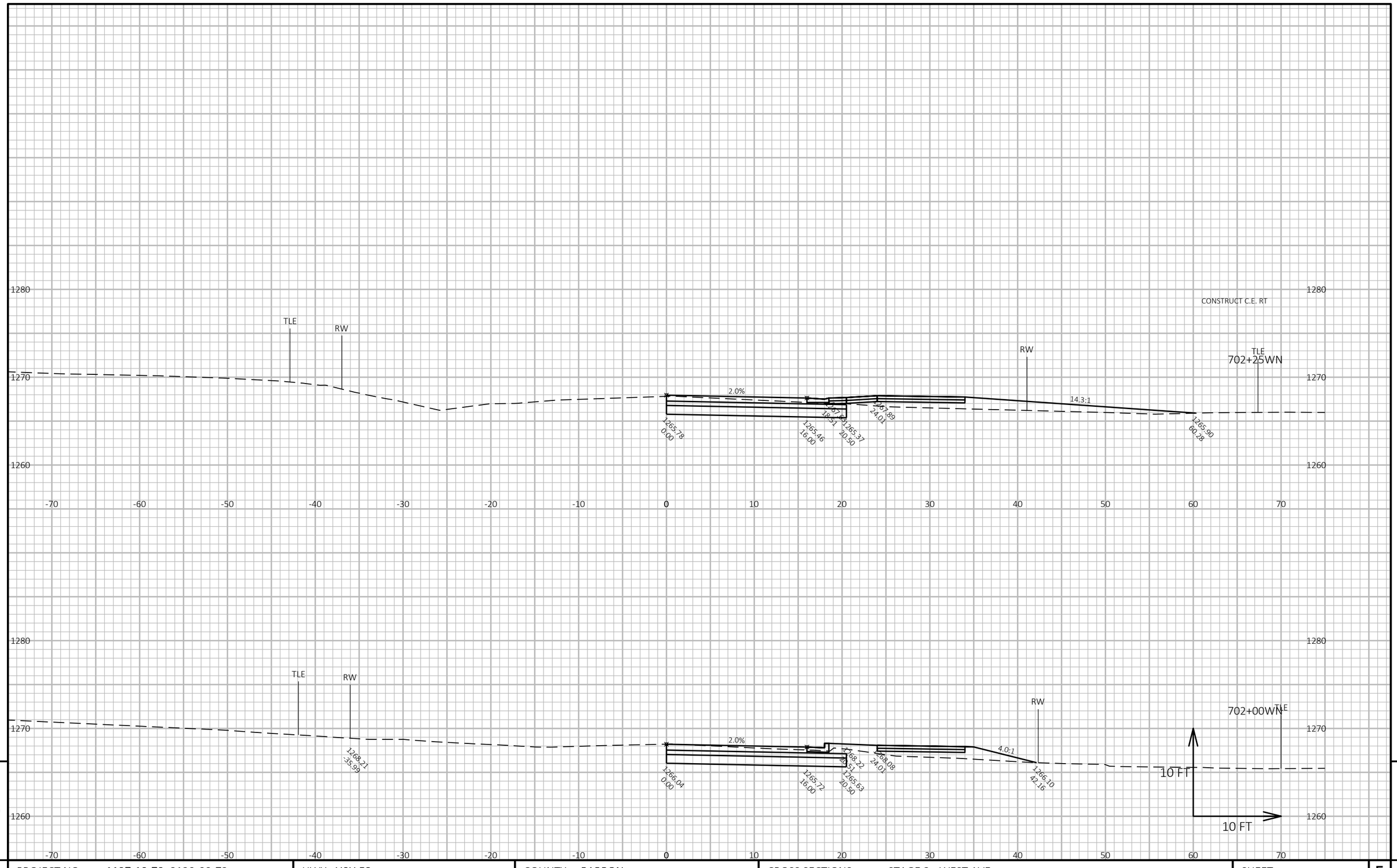
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 611	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090201_xs2_West Ave

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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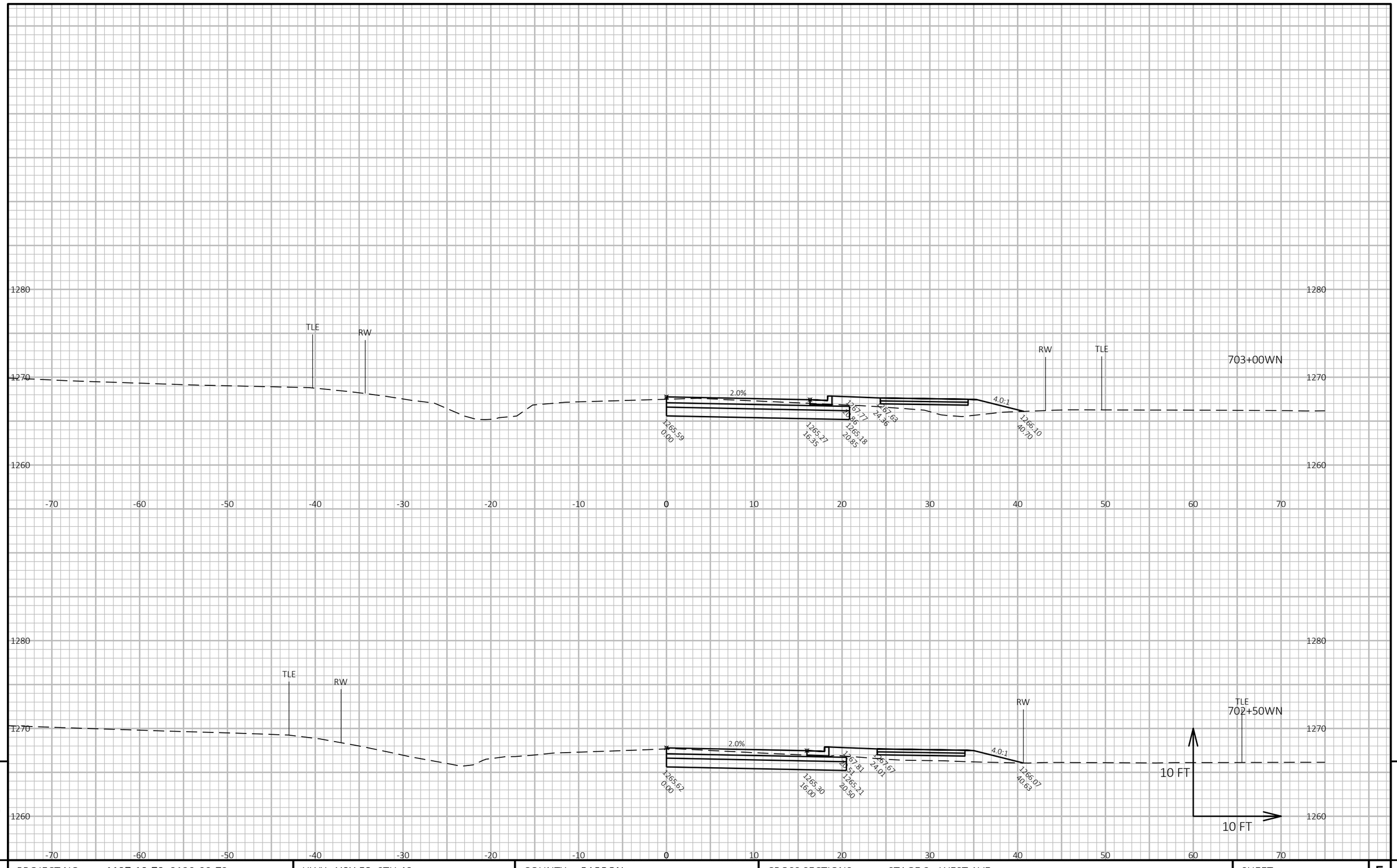
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 612	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090202_xs2_West Ave

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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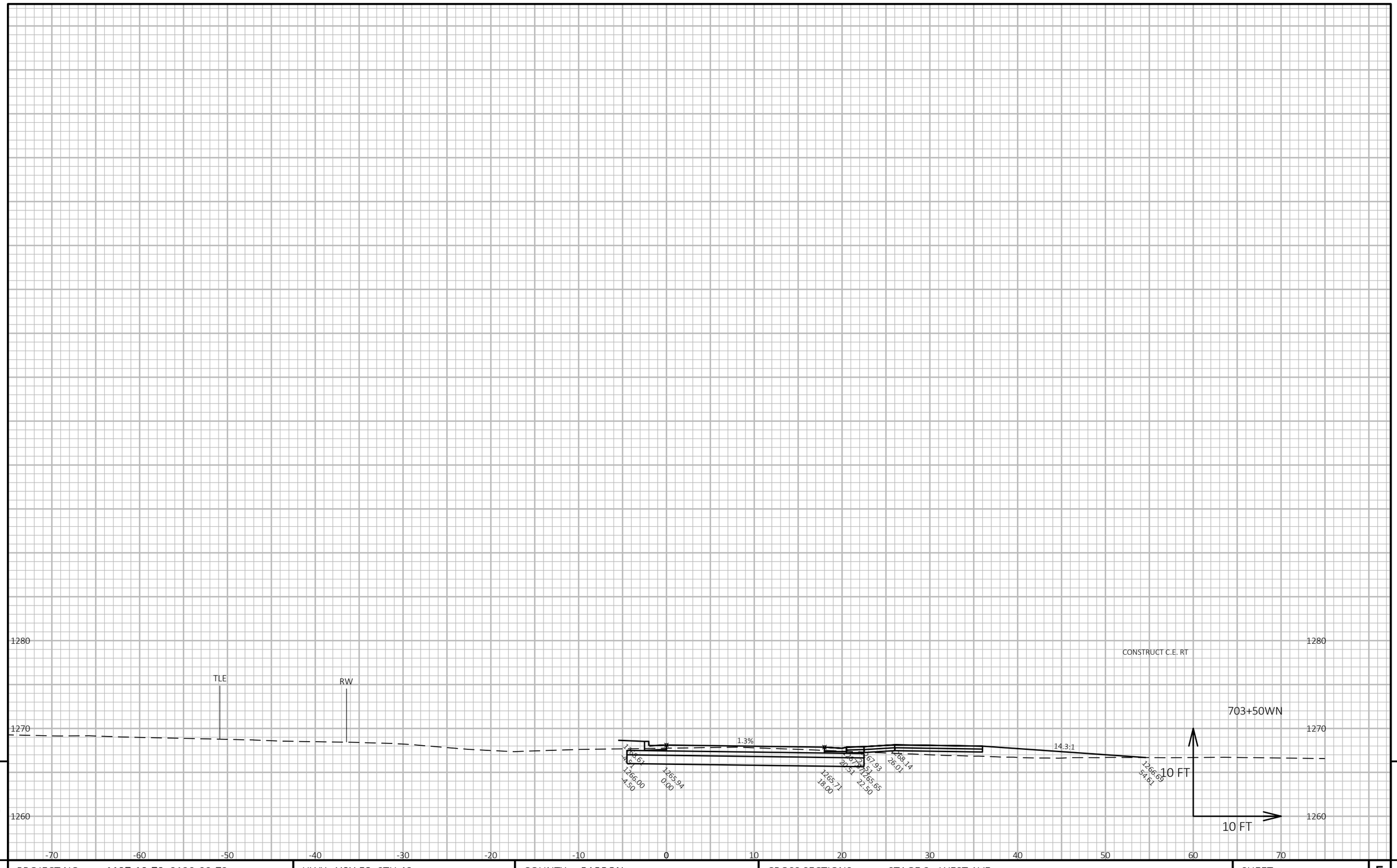
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 613	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090203_xs2_West Ave

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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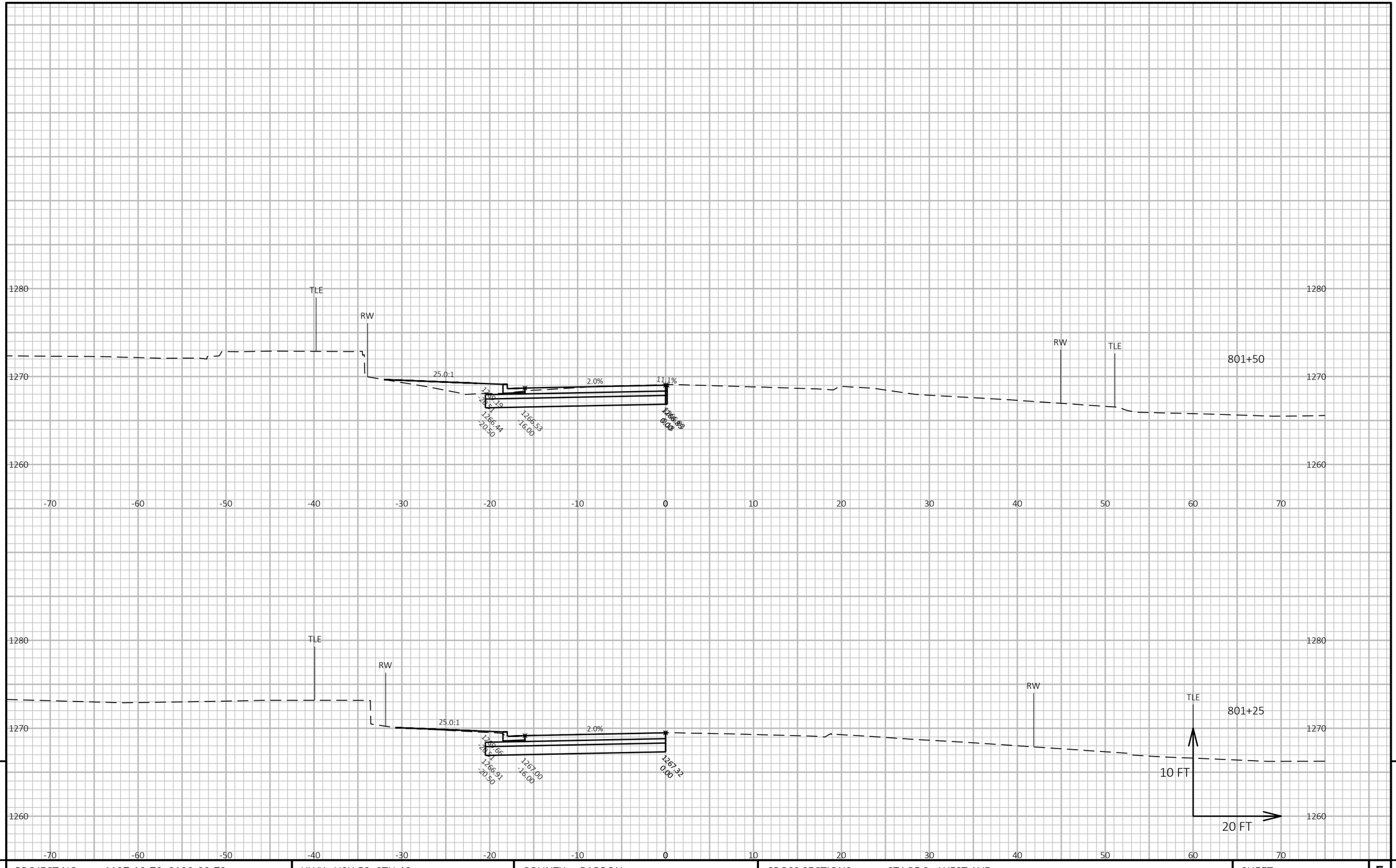
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 614	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090204_xs2_West Ave

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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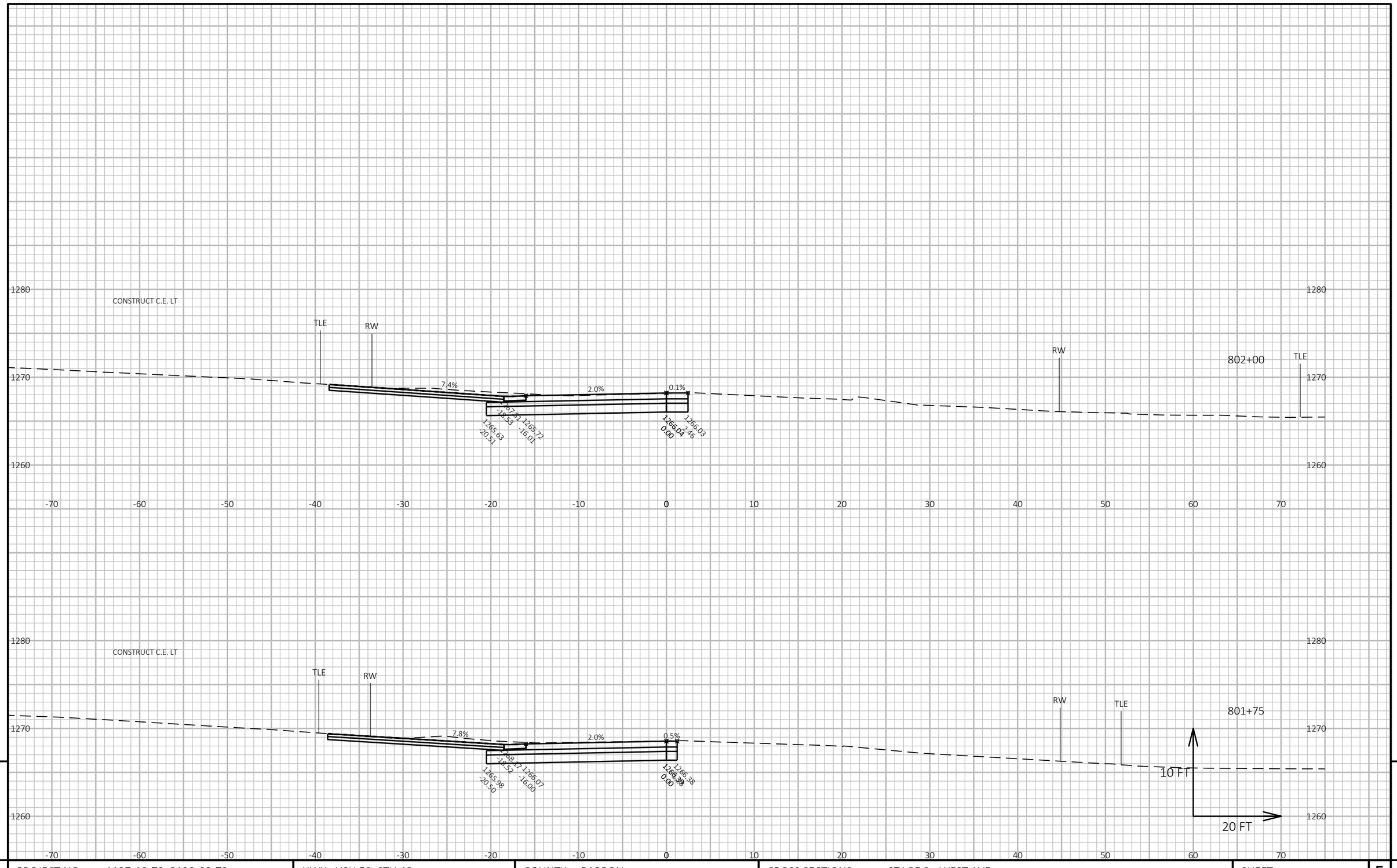
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 615	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090201_xs2_West Ave SB

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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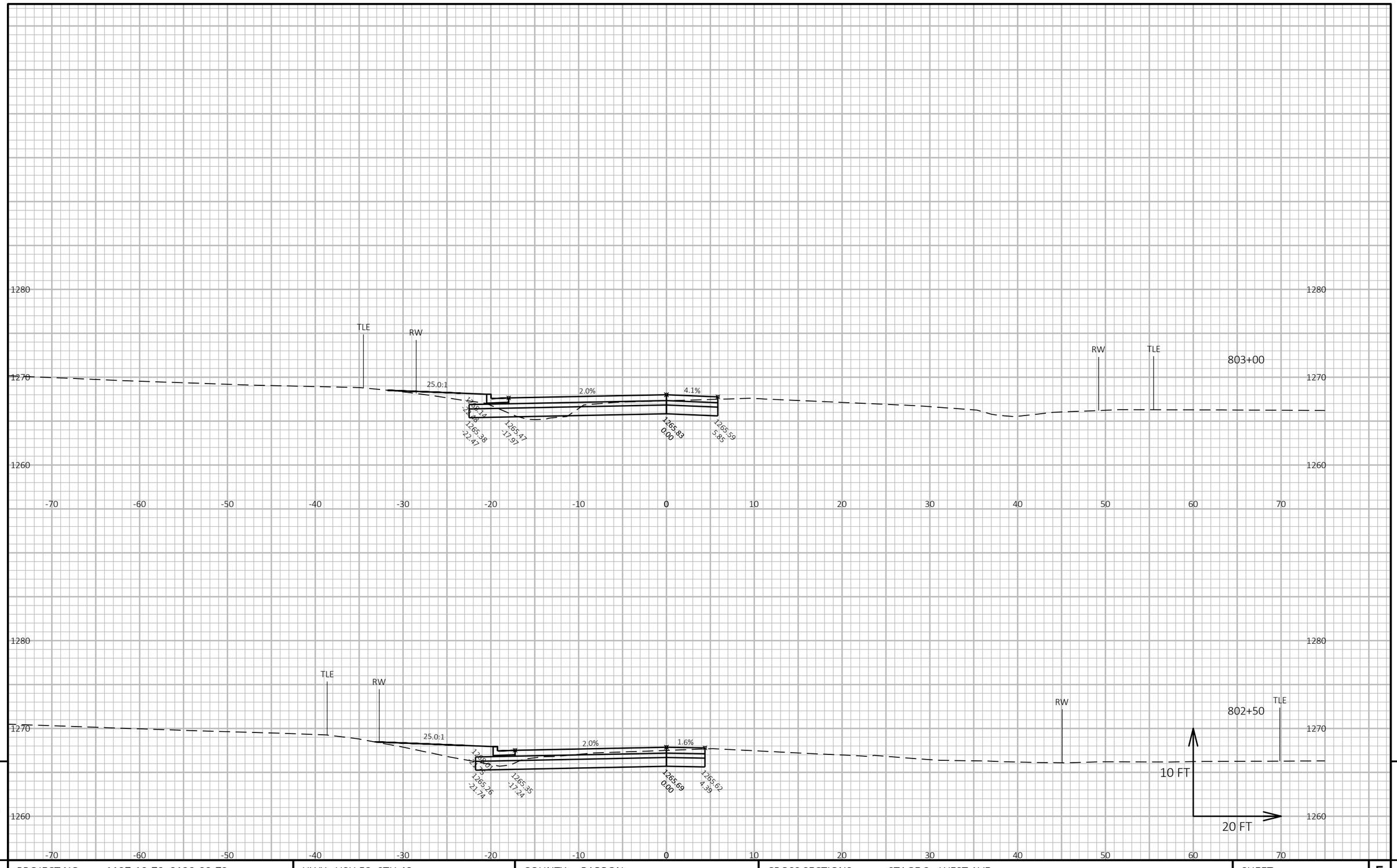
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 616	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090202_xs2_West Ave SB

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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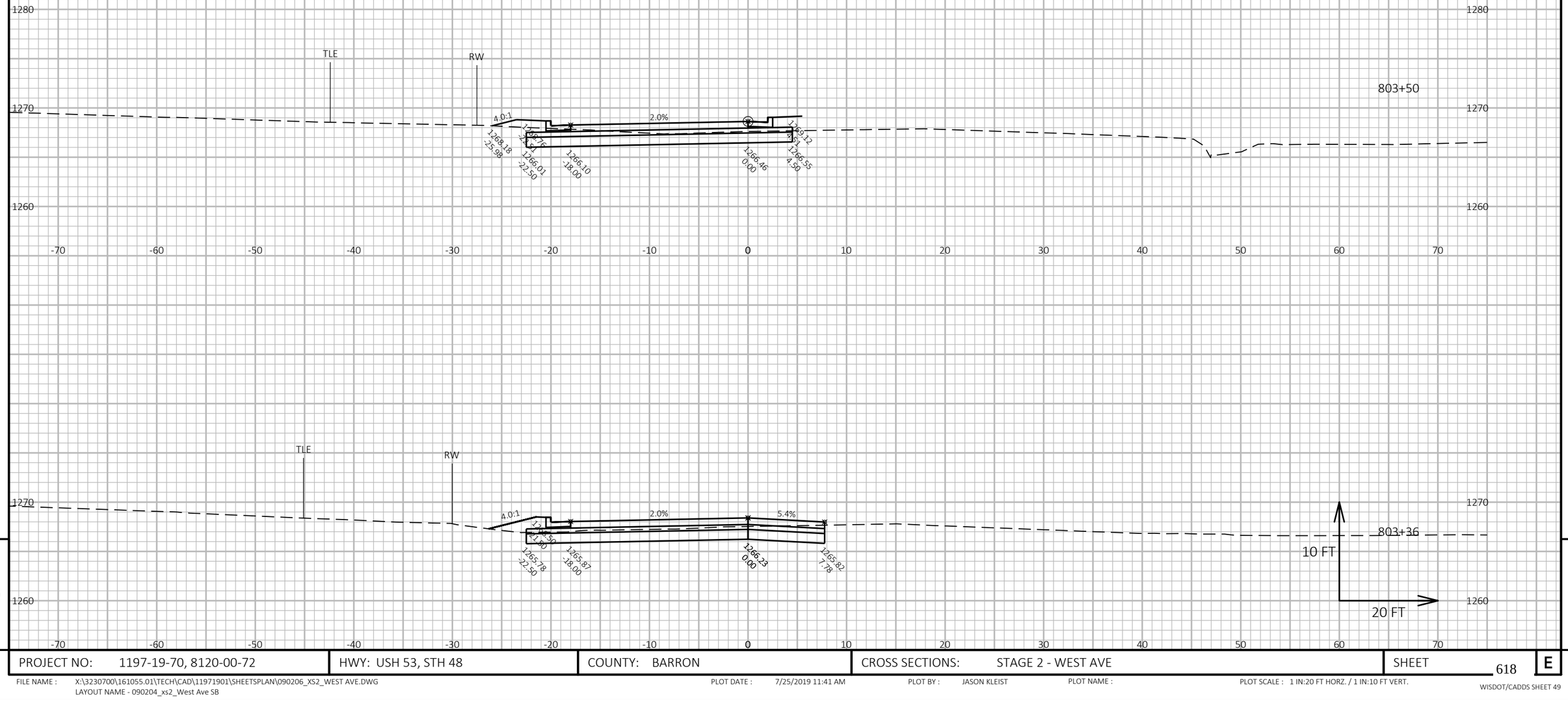
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 617	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090203_xs2_West Ave SB

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

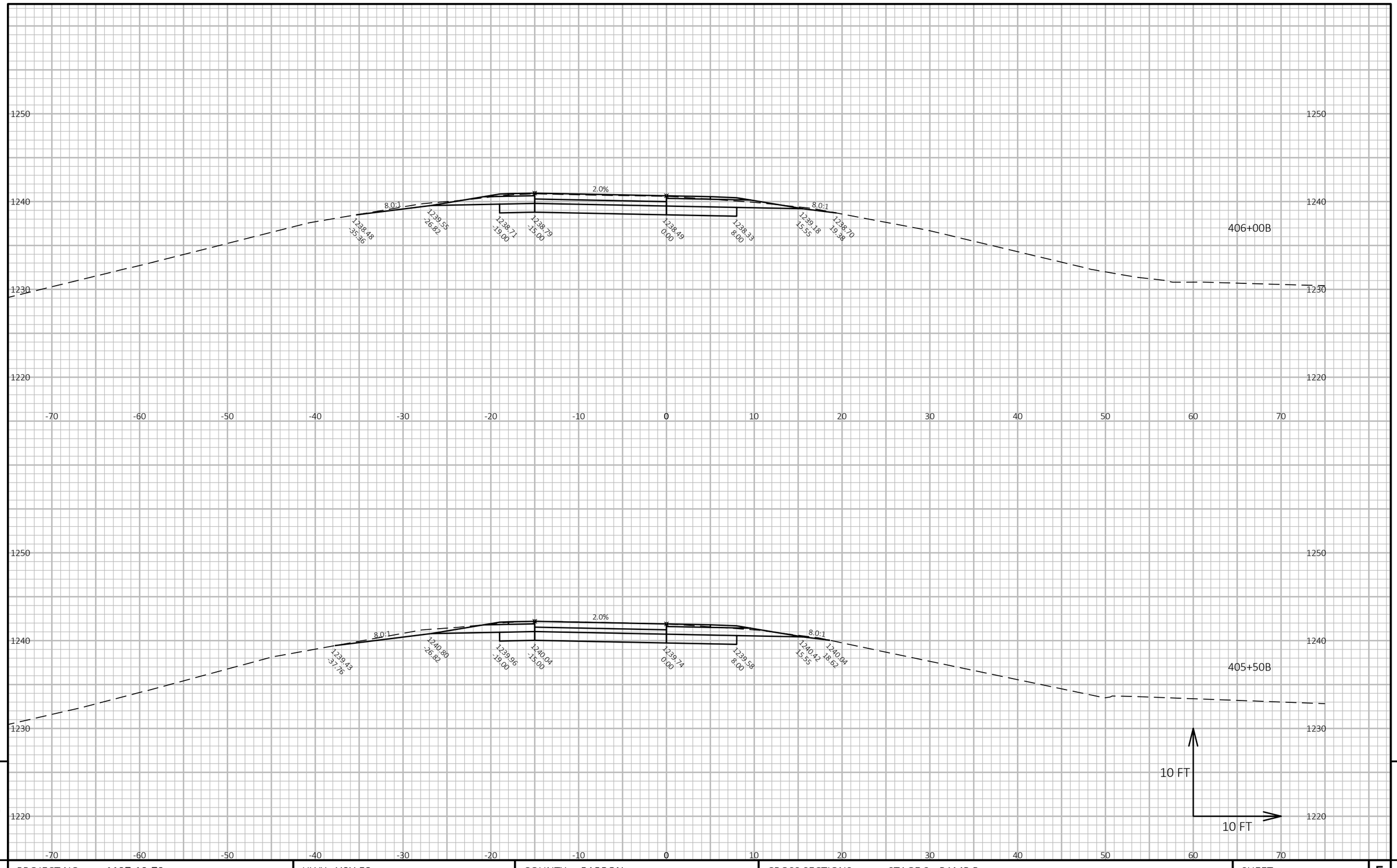


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WEST AVE	SHEET 618	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090206_XS2_WEST AVE.DWG
LAYOUT NAME - 090204_xs2_West Ave SB

PLOT DATE : 7/25/2019 11:41 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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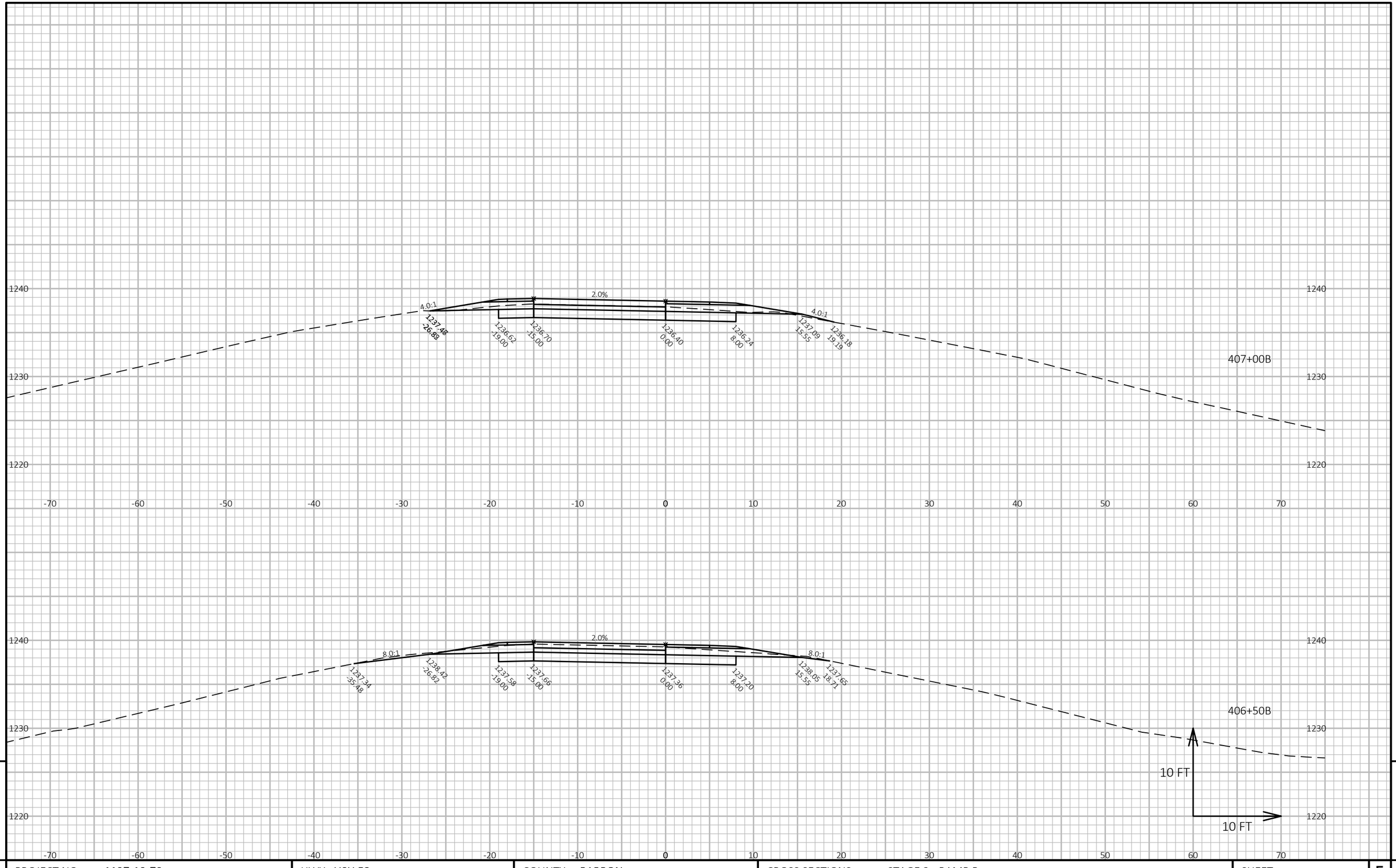
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - RAMP B	SHEET 619	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090207_XS2_RAMP B.DWG
LAYOUT NAME - 090201_xs2_Ramp B

PLOT DATE : 7/25/2019 11:49 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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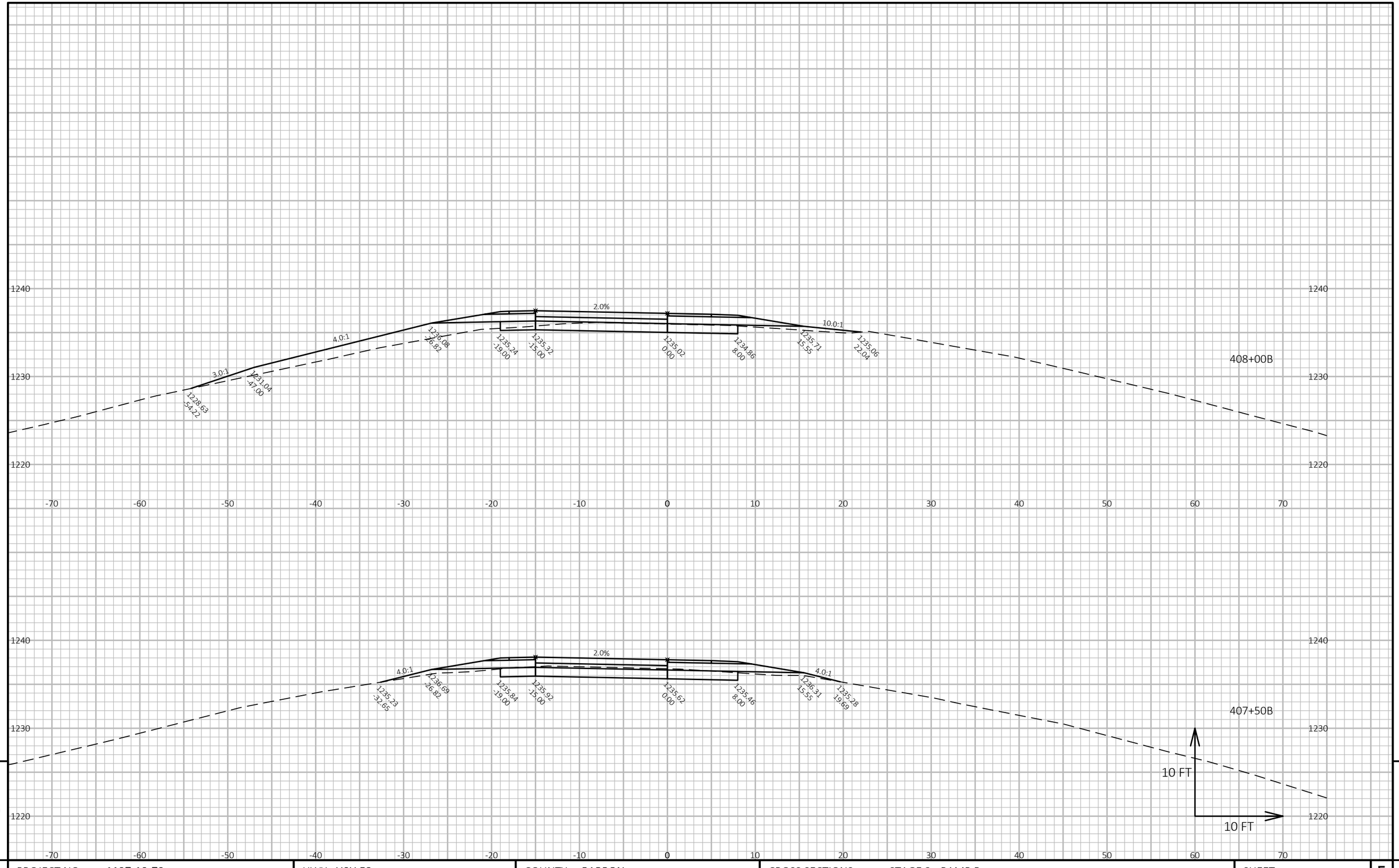
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - RAMP B	SHEET 620	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090207_XS2_RAMP B.DWG
LAYOUT NAME - 090202_xs2_Ramp B

PLOT DATE : 7/25/2019 11:49 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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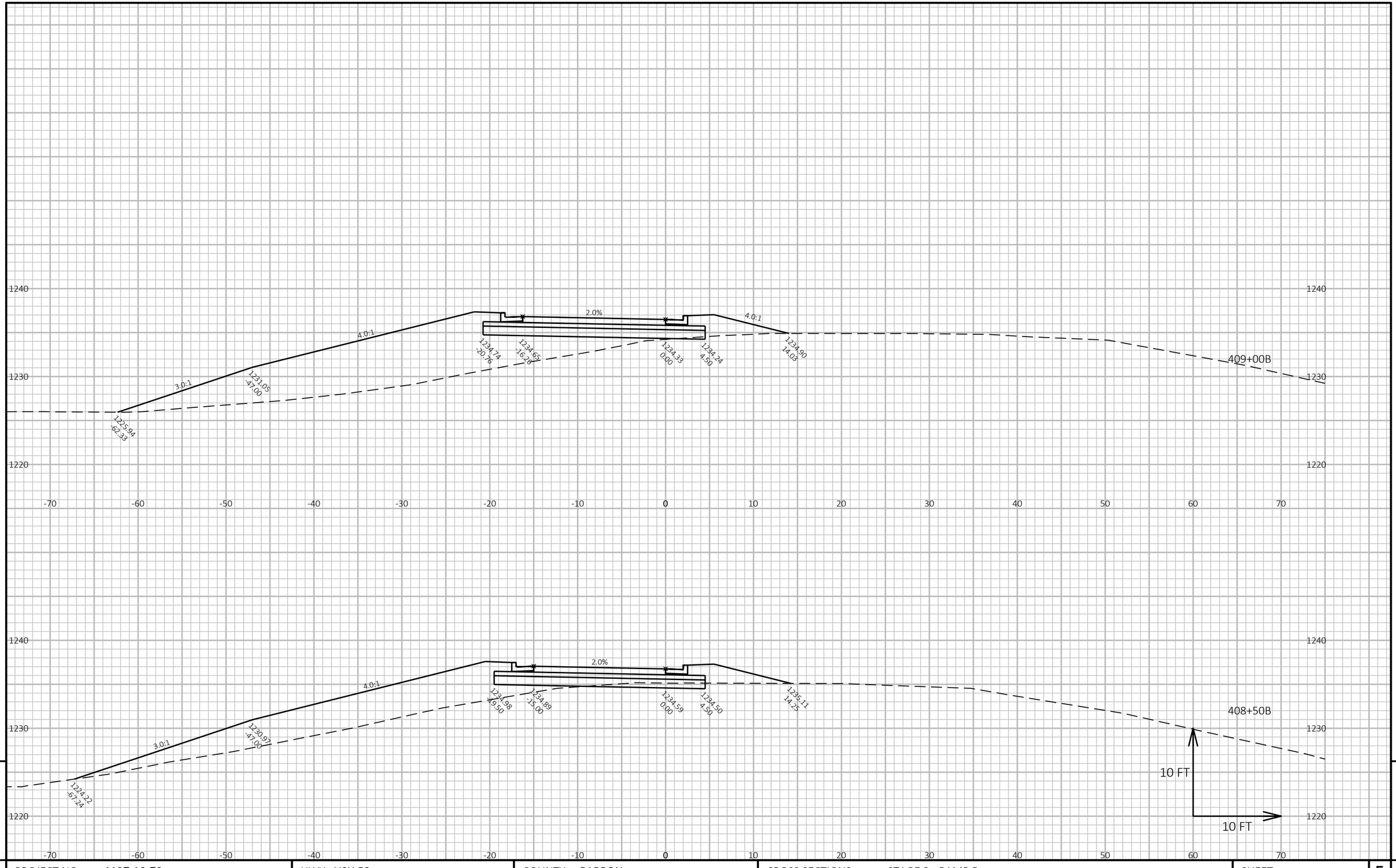
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - RAMP B	SHEET 621	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090207_XS2_RAMP B.DWG
LAYOUT NAME - 090203_xs2_Ramp B

PLOT DATE : 7/25/2019 11:49 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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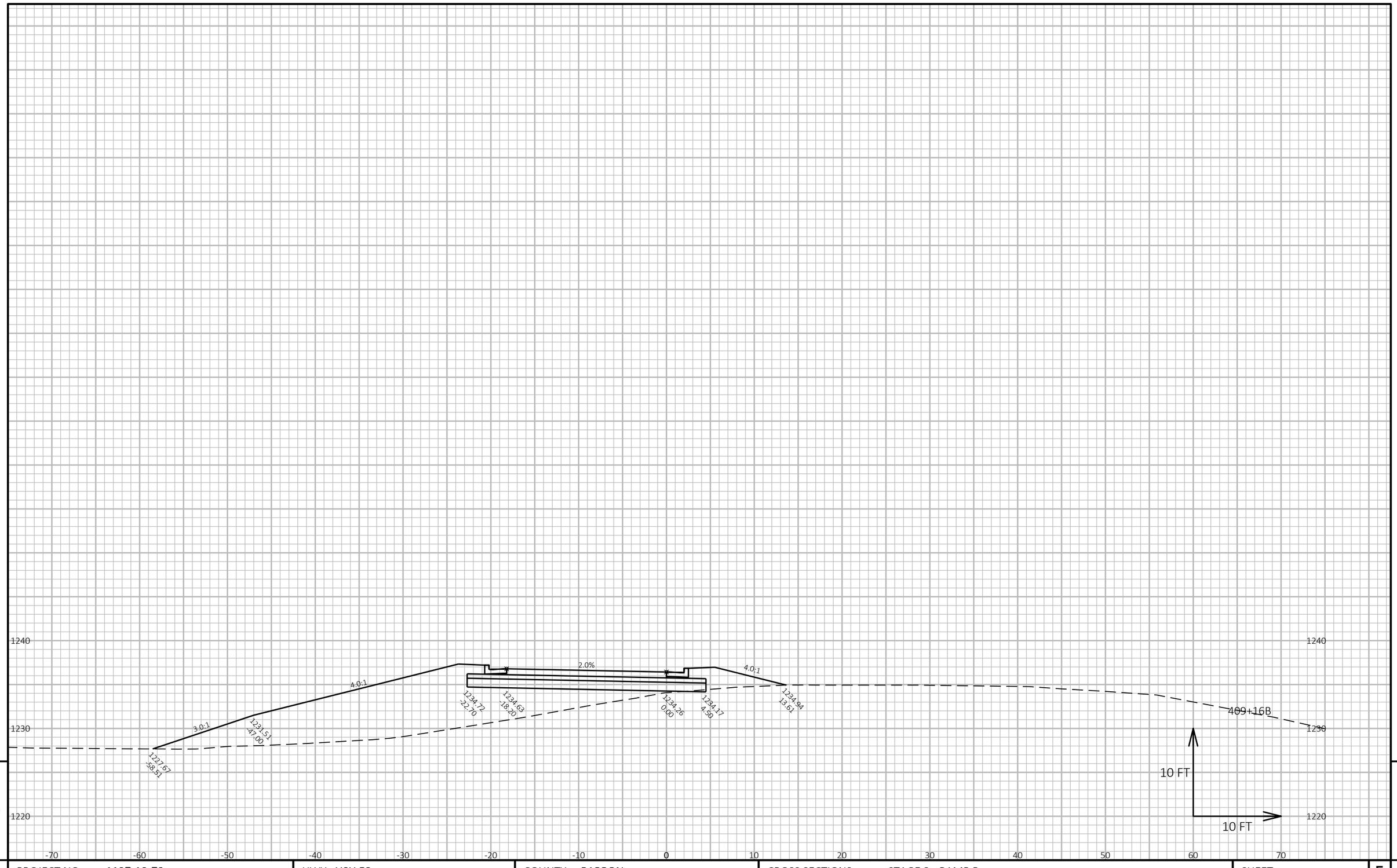
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - RAMP B	SHEET 622	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090207_XS2_RAMP B.DWG
LAYOUT NAME - 090204_xs2_Ramp B

PLOT DATE : 7/25/2019 11:50 AM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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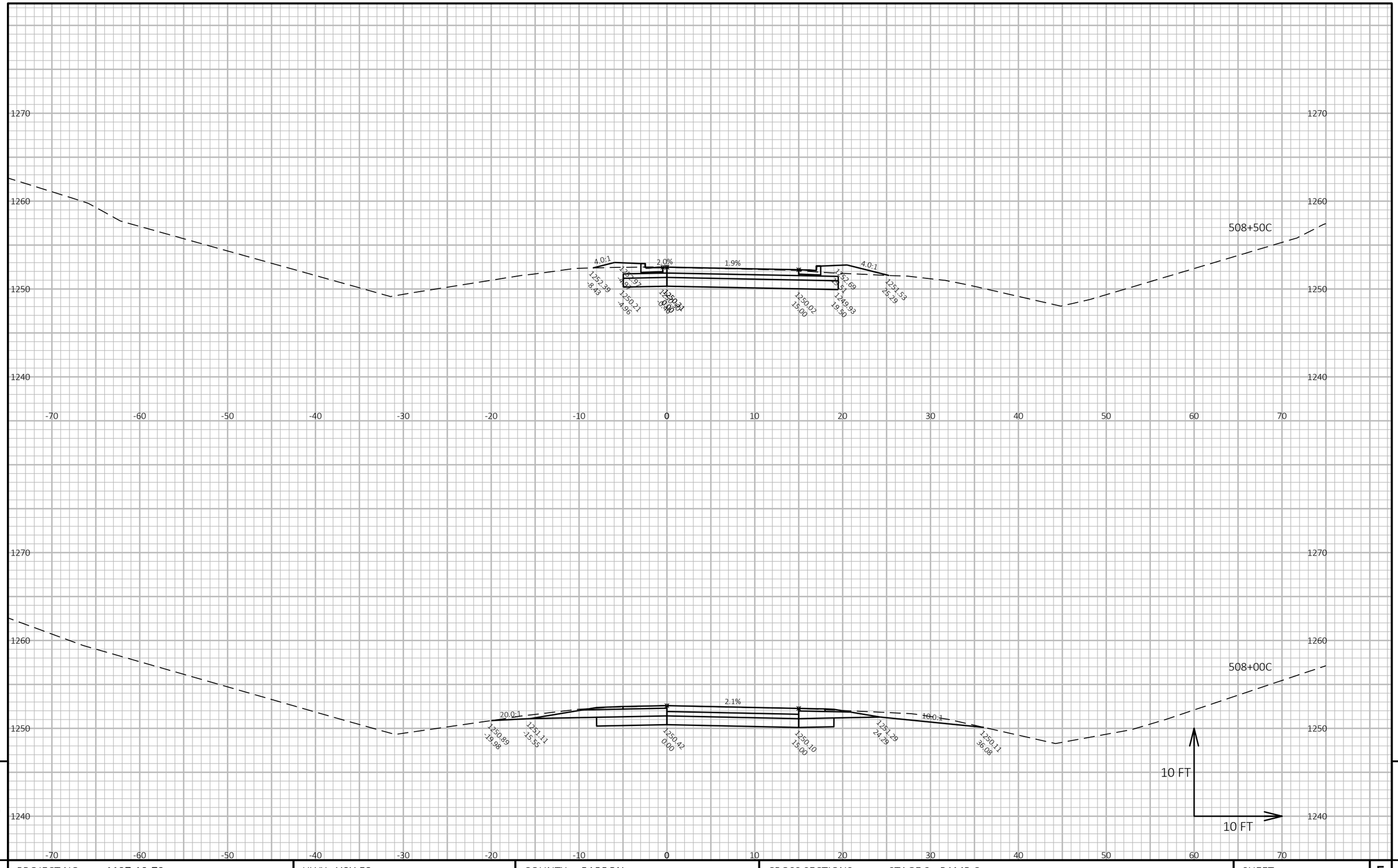
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - RAMP B	SHEET 623	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090207_XS2_RAMP B.DWG
LAYOUT NAME - 090205_xs2_Ramp B

PLOT DATE : 7/25/2019 11:50 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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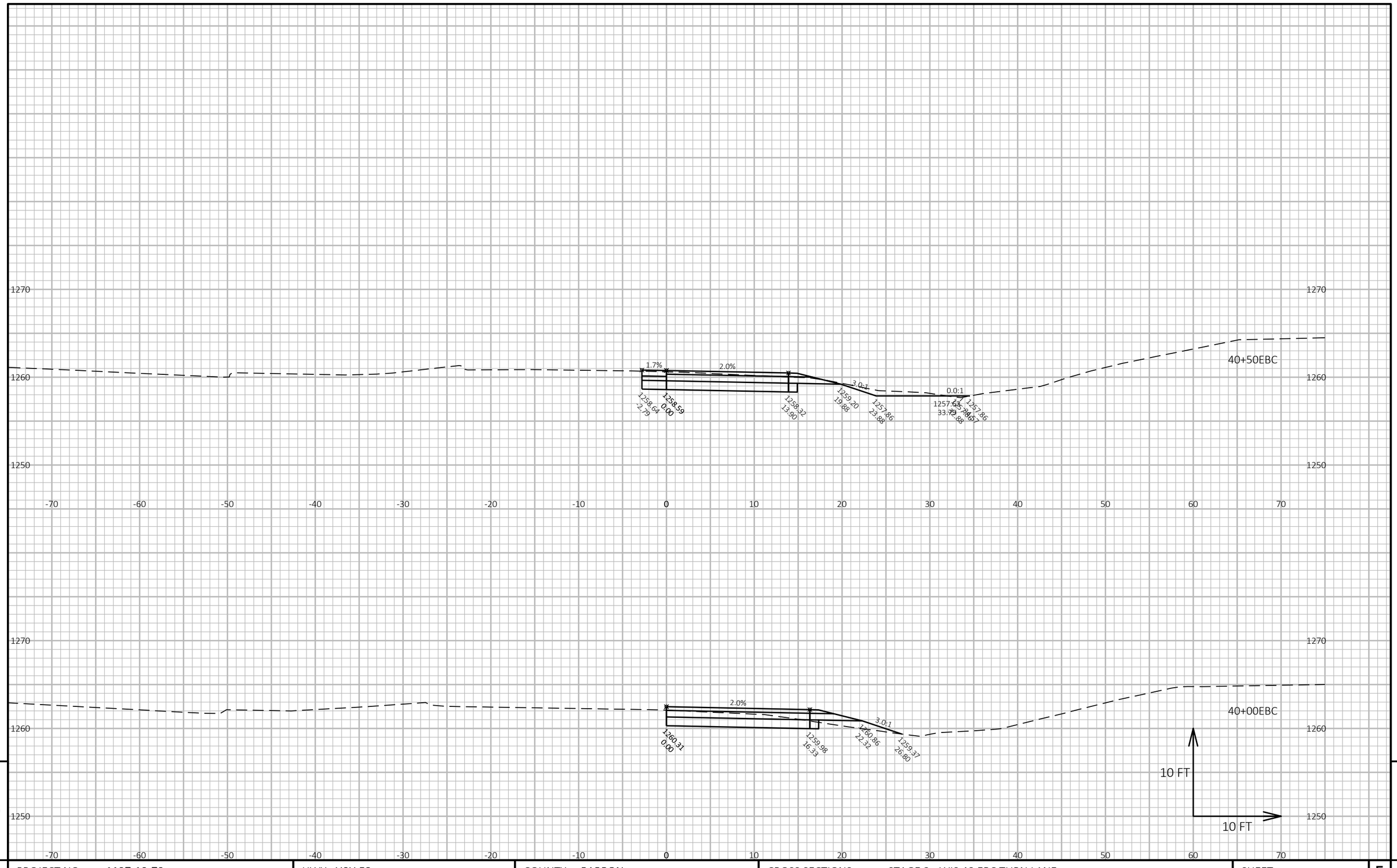
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - RAMP C	SHEET 624	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090208_XS2_RAMP C.DWG
LAYOUT NAME - 090201_xs2_Ramp C

PLOT DATE : 7/25/2019 11:53 AM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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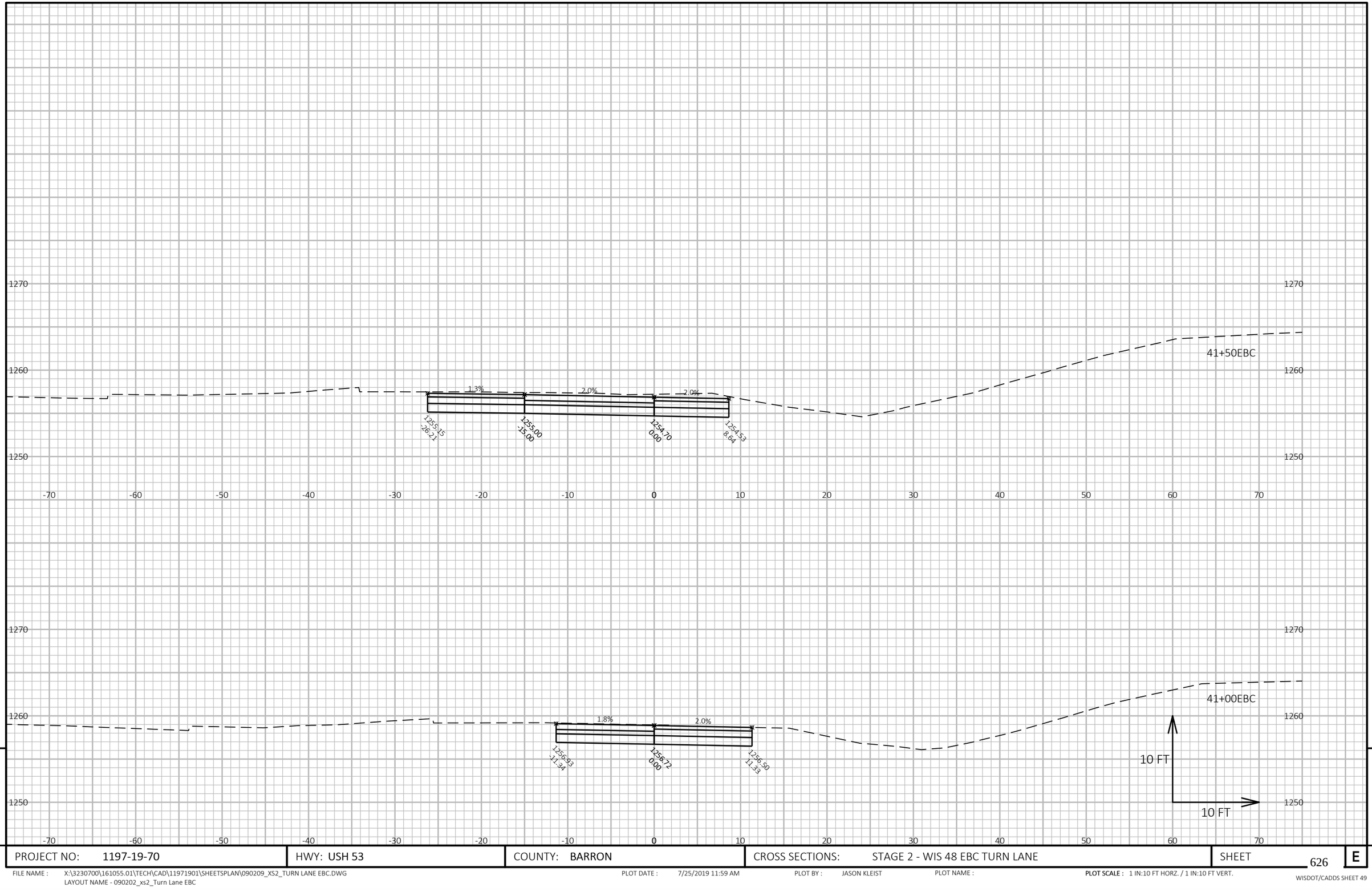
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WIS 48 EBC TURN LANE	SHEET 625	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090209_XS2_TURN LANE EBC.DWG
LAYOUT NAME - 090201_xs2_Turn Lane EBC

PLOT DATE : 7/25/2019 11:59 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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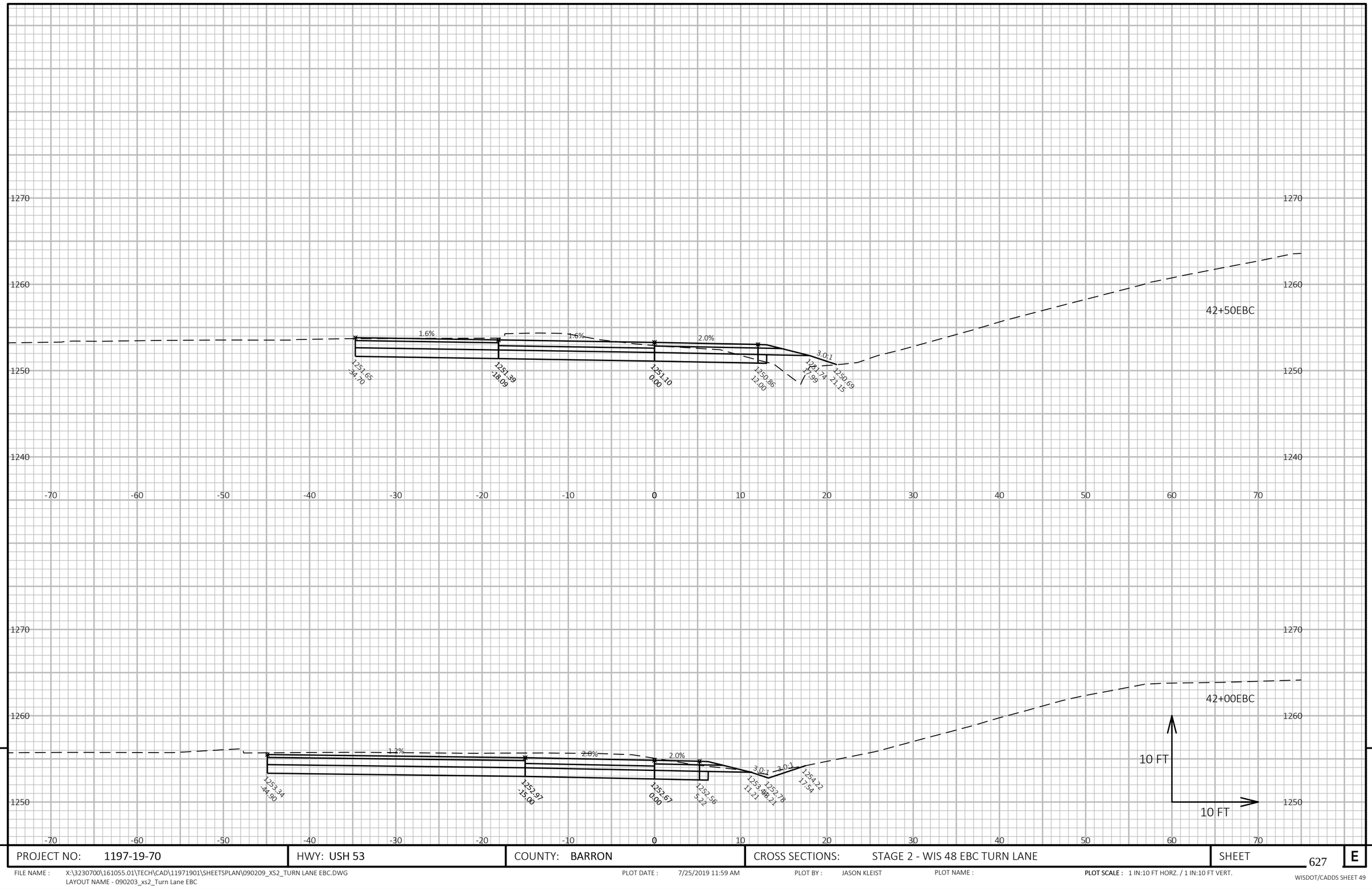
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WIS 48 EBC TURN LANE	SHEET 626	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090209_XS2_TURN LANE EBC.DWG
LAYOUT NAME - 090202_xs2_Turn Lane EBC

PLOT DATE : 7/25/2019 11:59 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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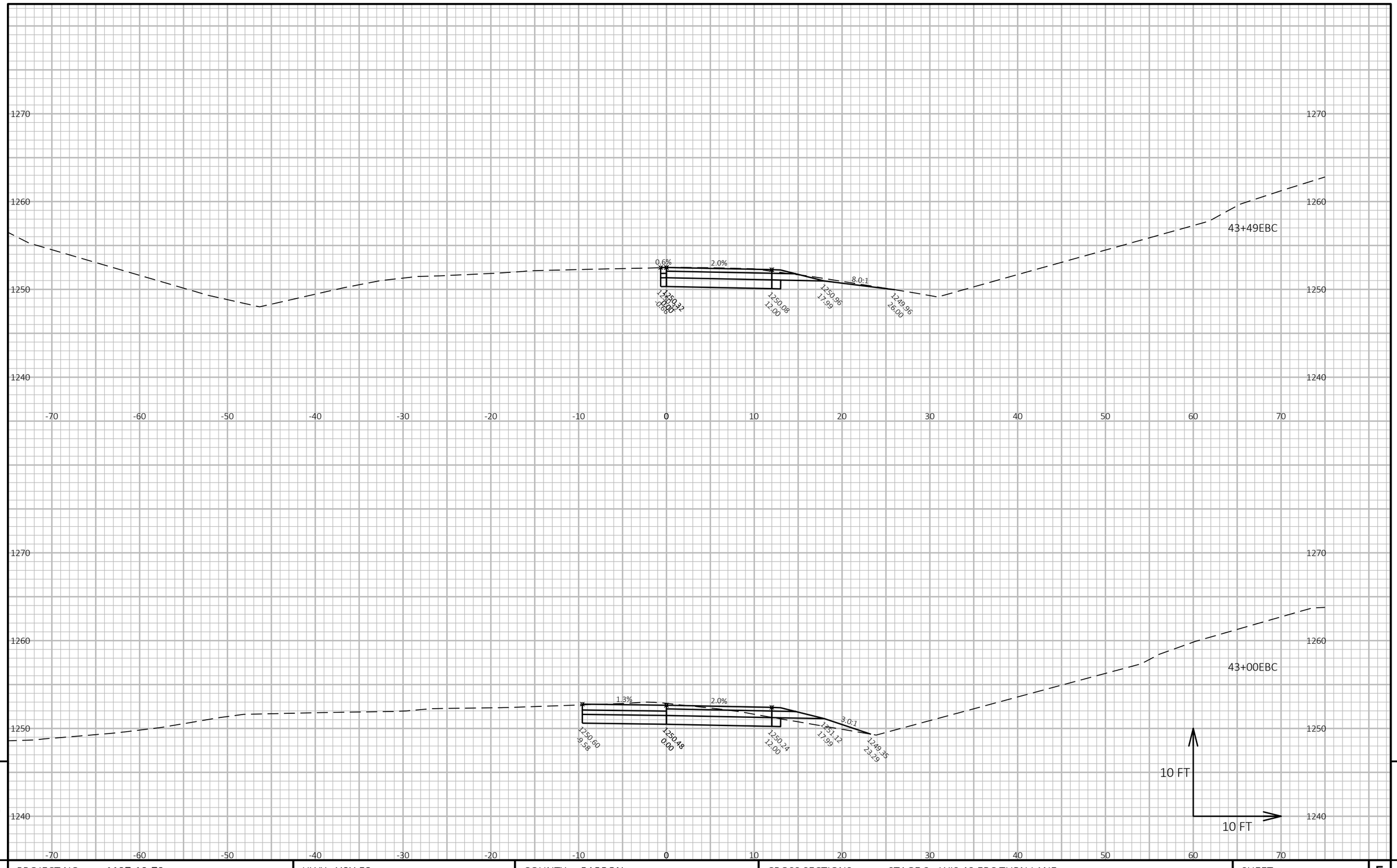
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WIS 48 EBC TURN LANE	SHEET 627	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090209_XS2_TURN LANE EBC.DWG
LAYOUT NAME - 090203_xs2_Turn Lane EBC

PLOT DATE : 7/25/2019 11:59 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

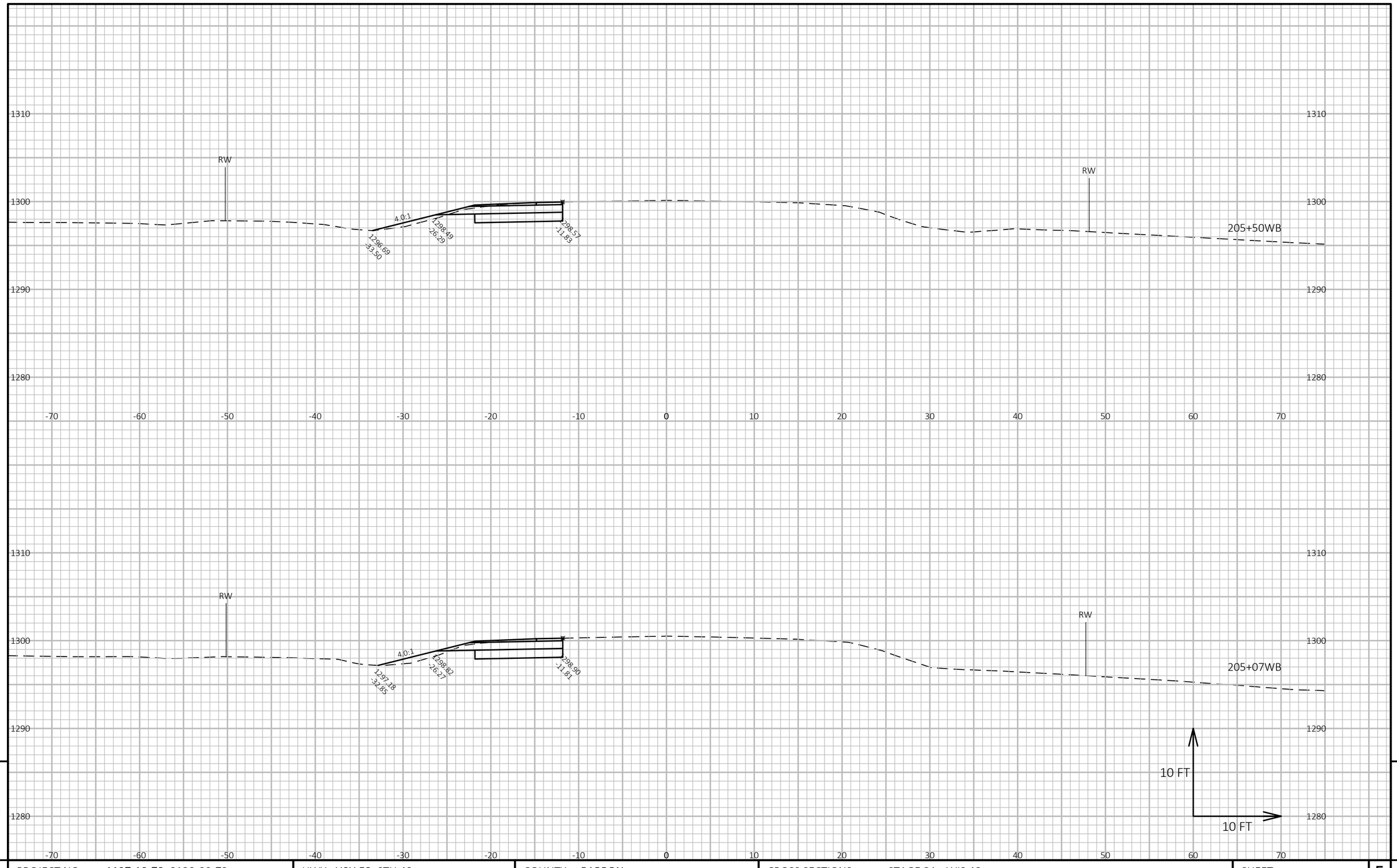


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 2 - WIS 48 EBC TURN LANE	SHEET 628	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090209_XS2_TURN LANE EBC.DWG
LAYOUT NAME - 090204_xs2_Turn Lane EBC

PLOT DATE : 7/25/2019 11:59 AM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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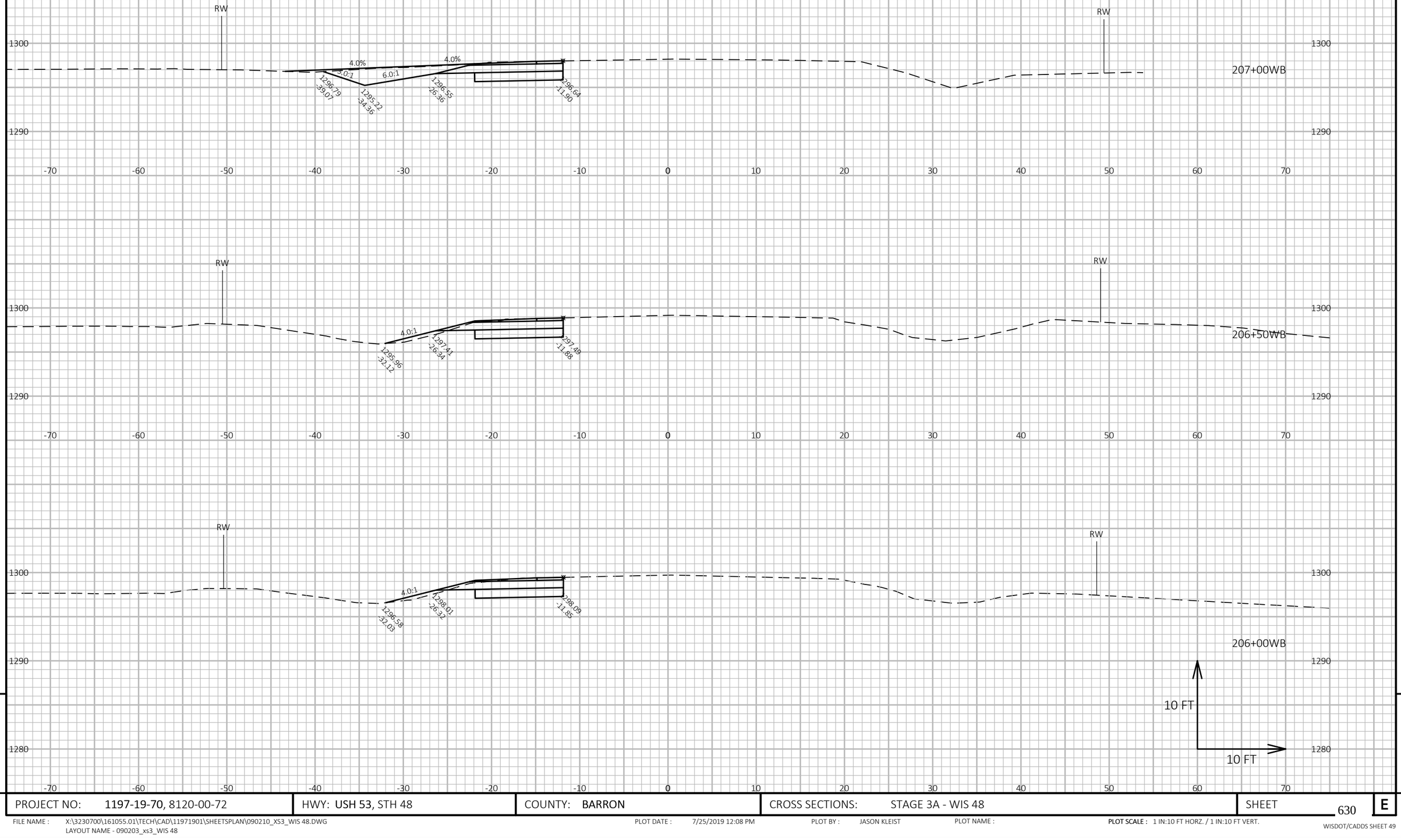
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 629	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090202_xs3_WIS 48

PLOT DATE : 7/25/2019 12:08 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CONSTRUCT F.E LT



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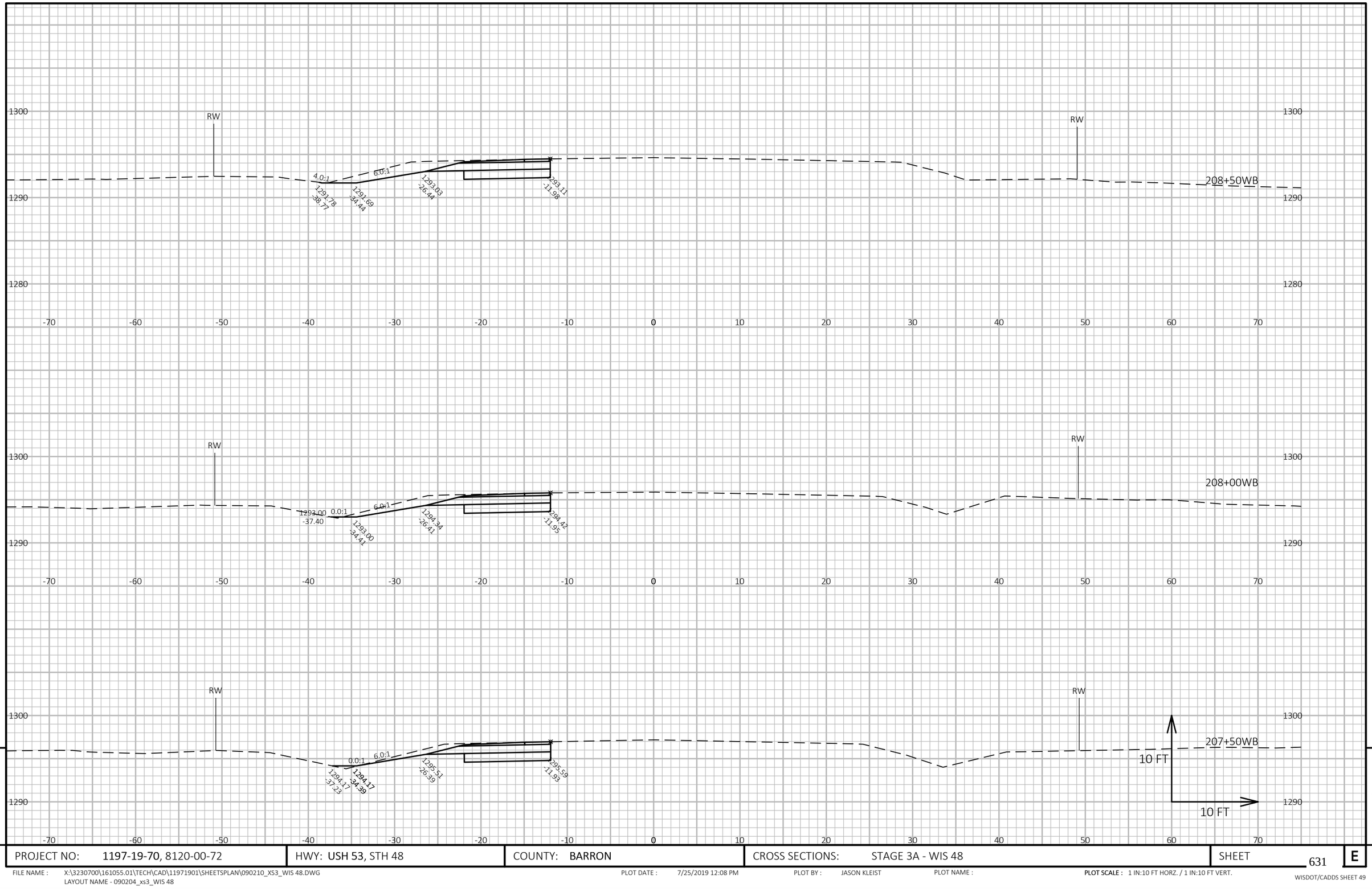
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 630	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090203_xs3_WIS 48

PLOT DATE : 7/25/2019 12:08 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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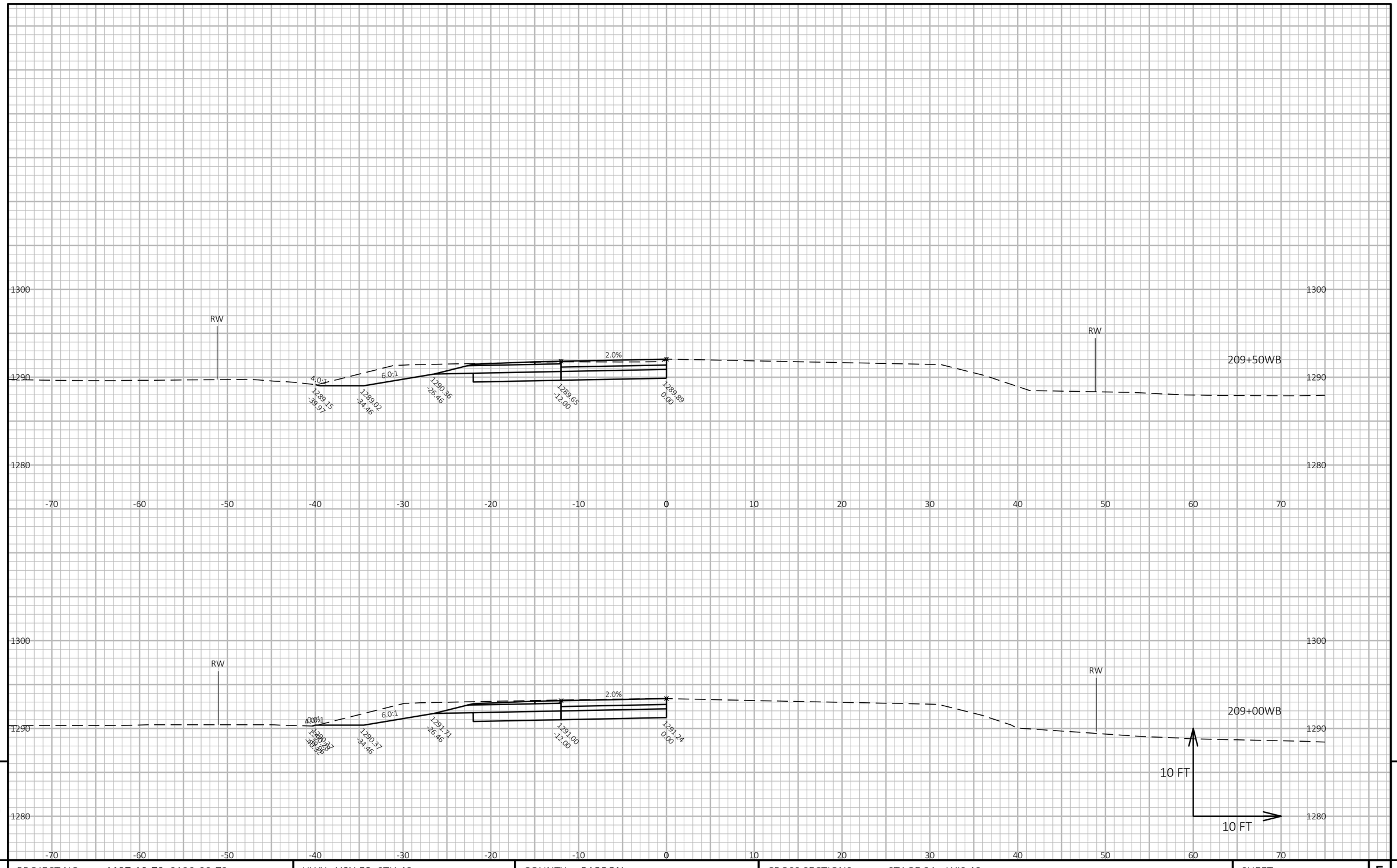
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 631	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090204_xs3_WIS 48

PLOT DATE : 7/25/2019 12:08 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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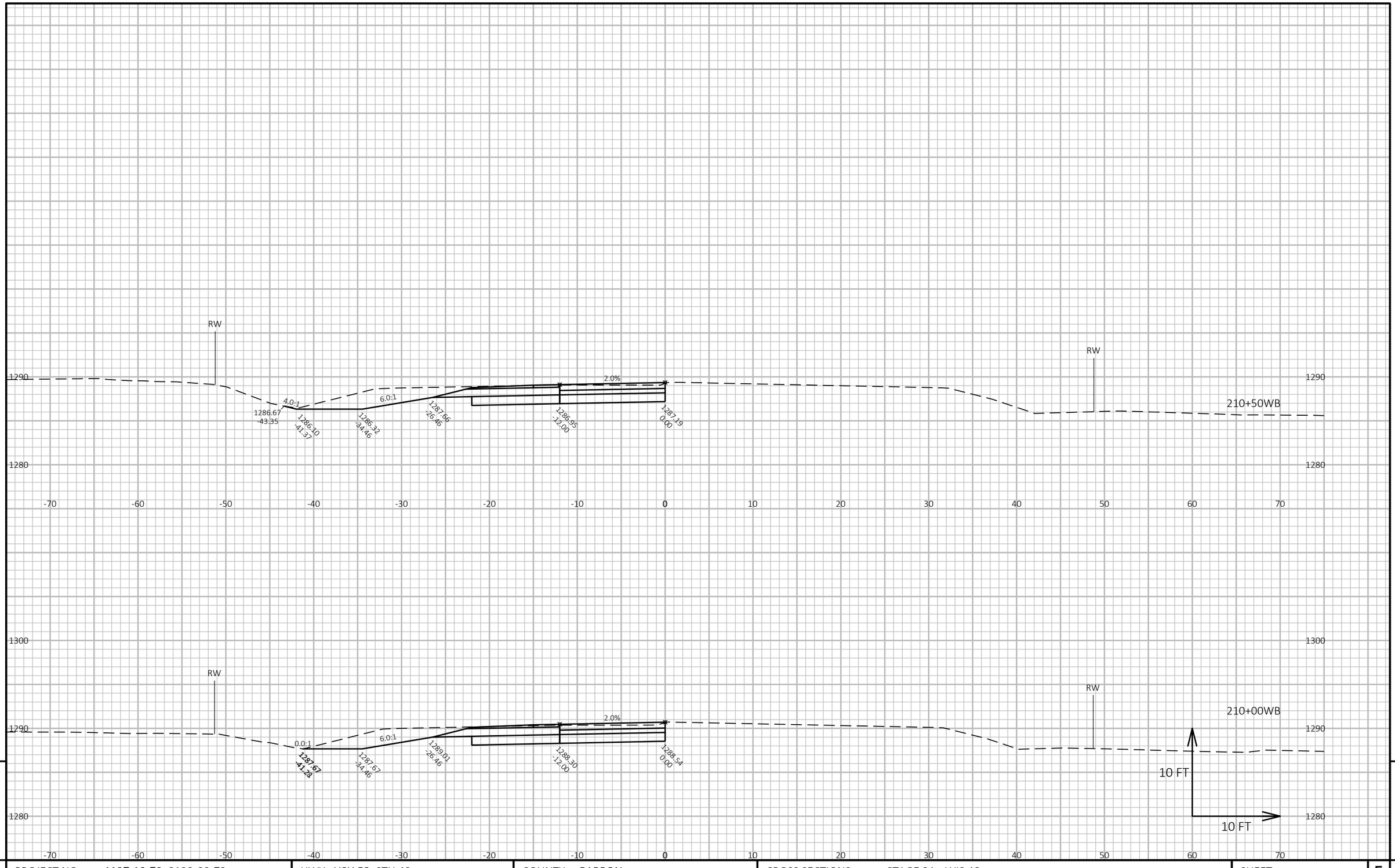
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 632	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090205_xs3_WIS 48

PLOT DATE : 7/25/2019 12:08 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

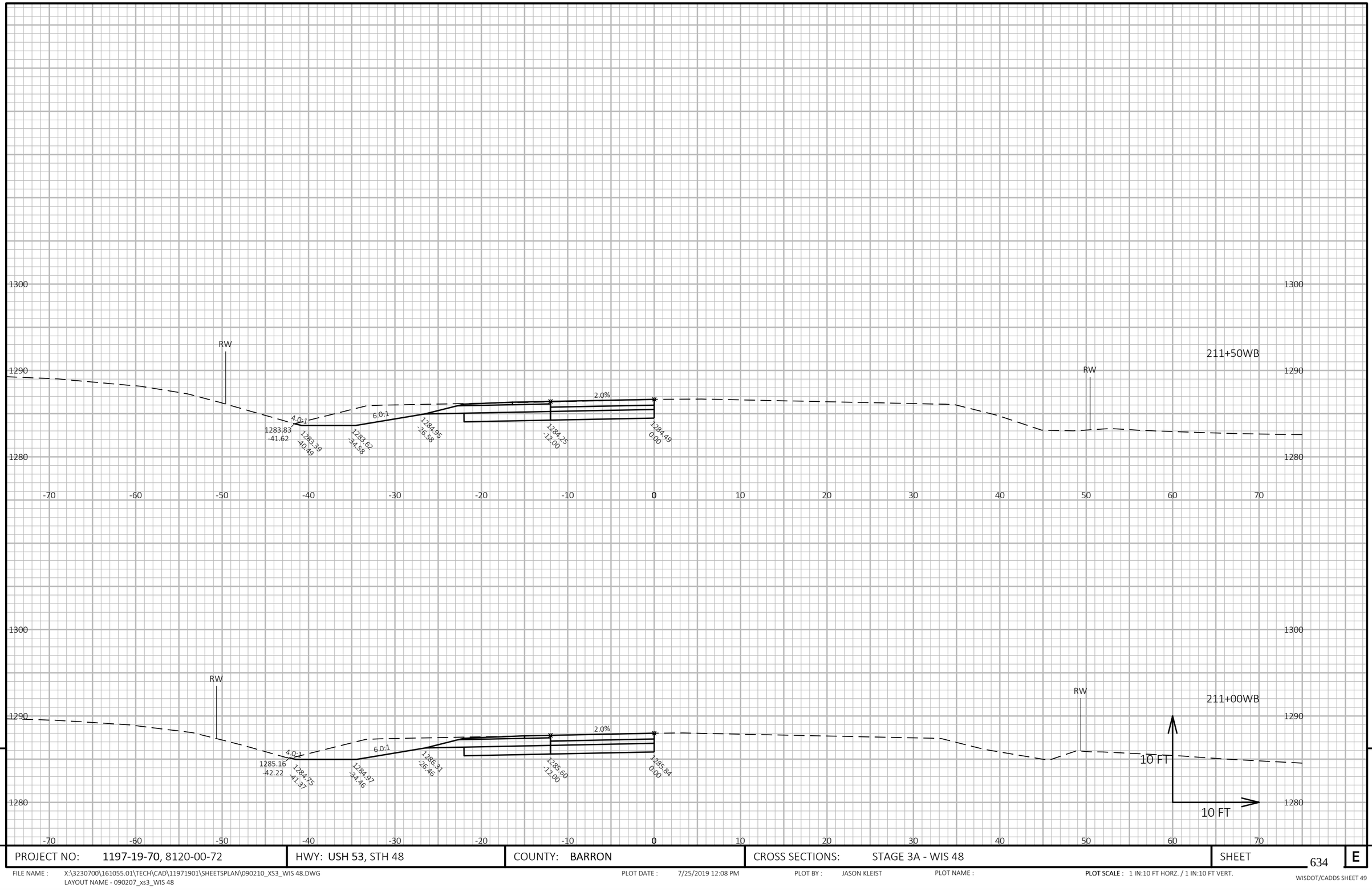


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 633 E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090206_xs3_WIS 48

PLOT DATE : 7/25/2019 12:08 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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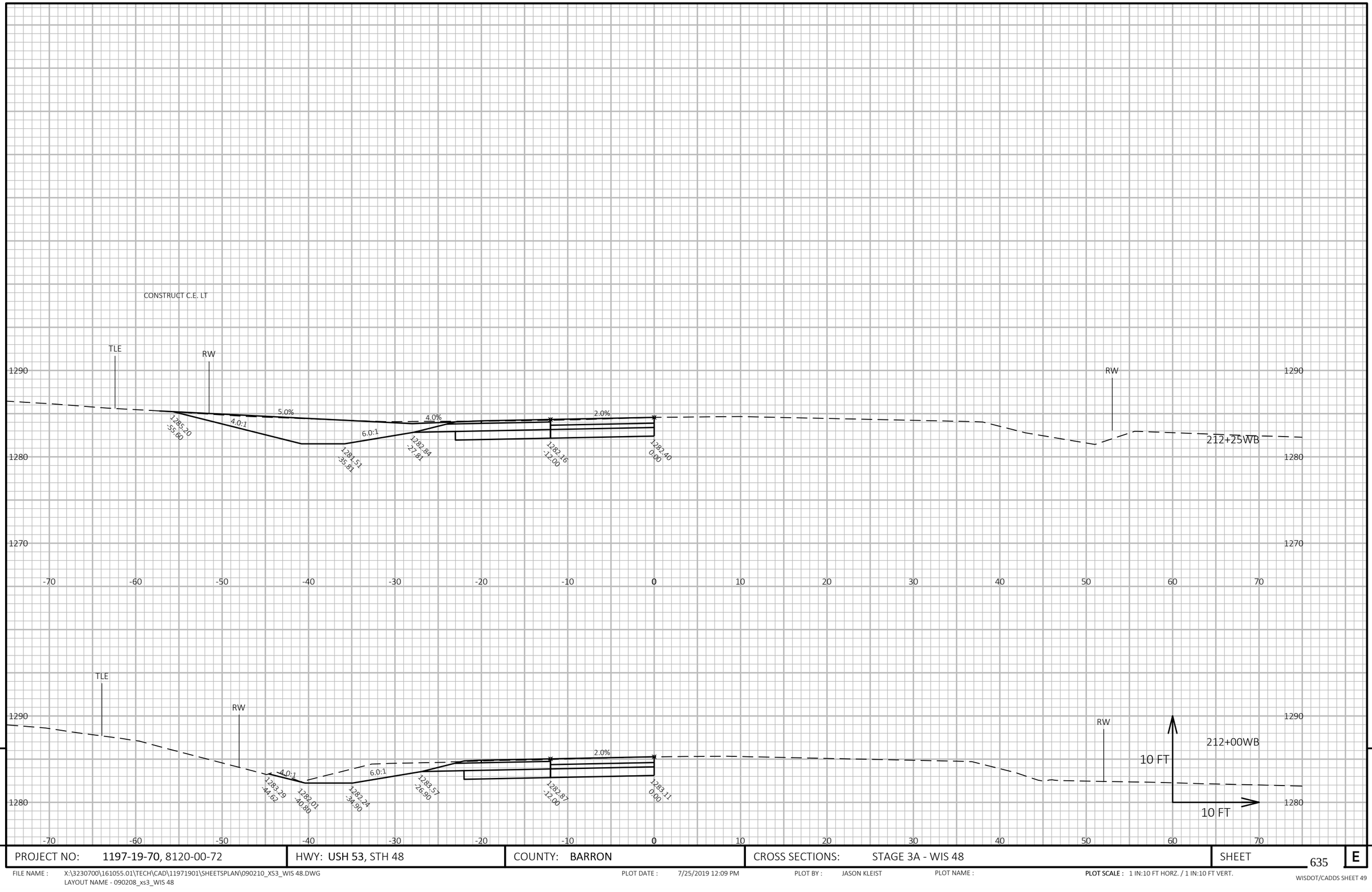
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 634	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090207_xs3_WIS 48

PLOT DATE : 7/25/2019 12:08 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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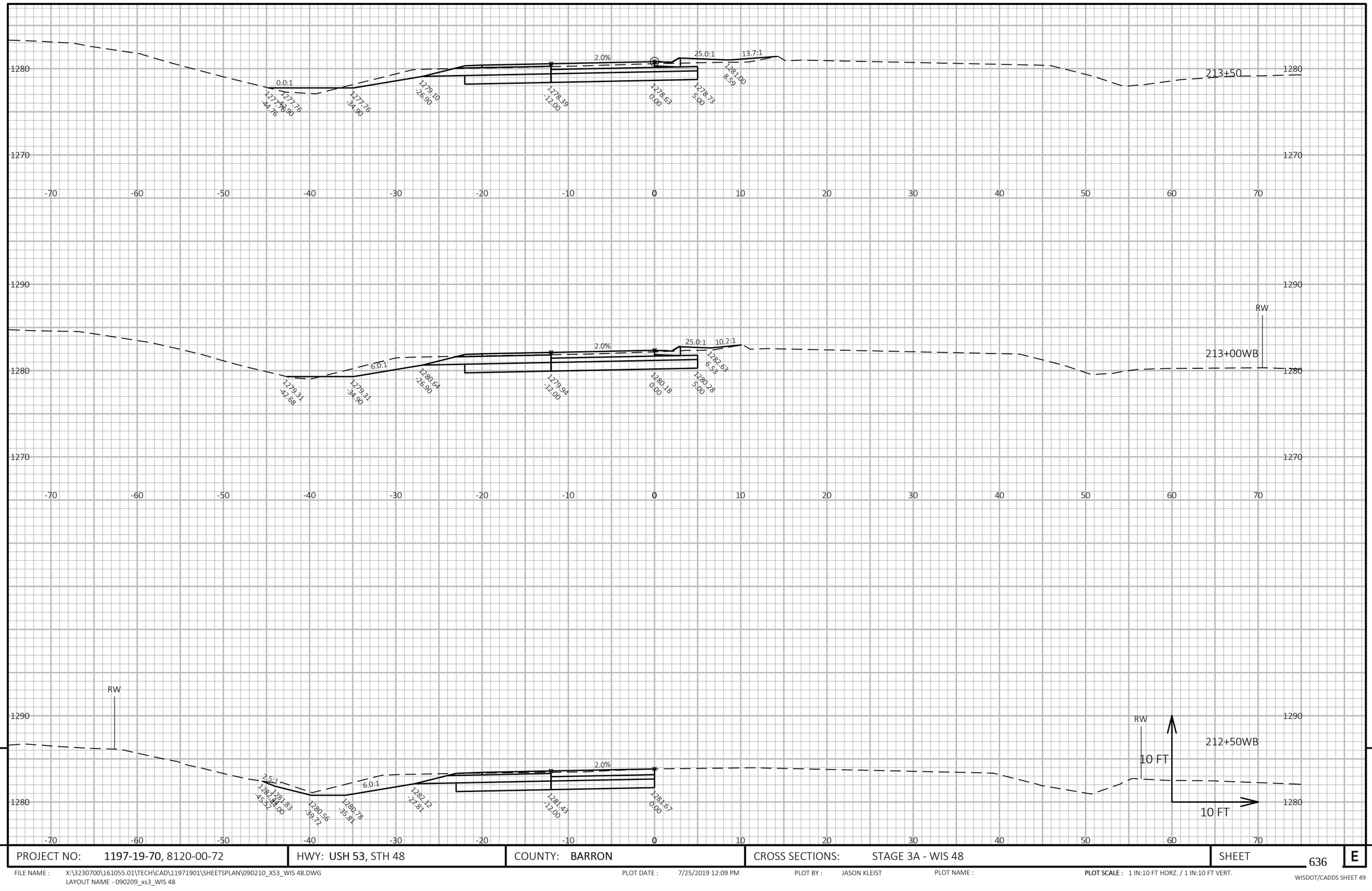
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 635	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090208_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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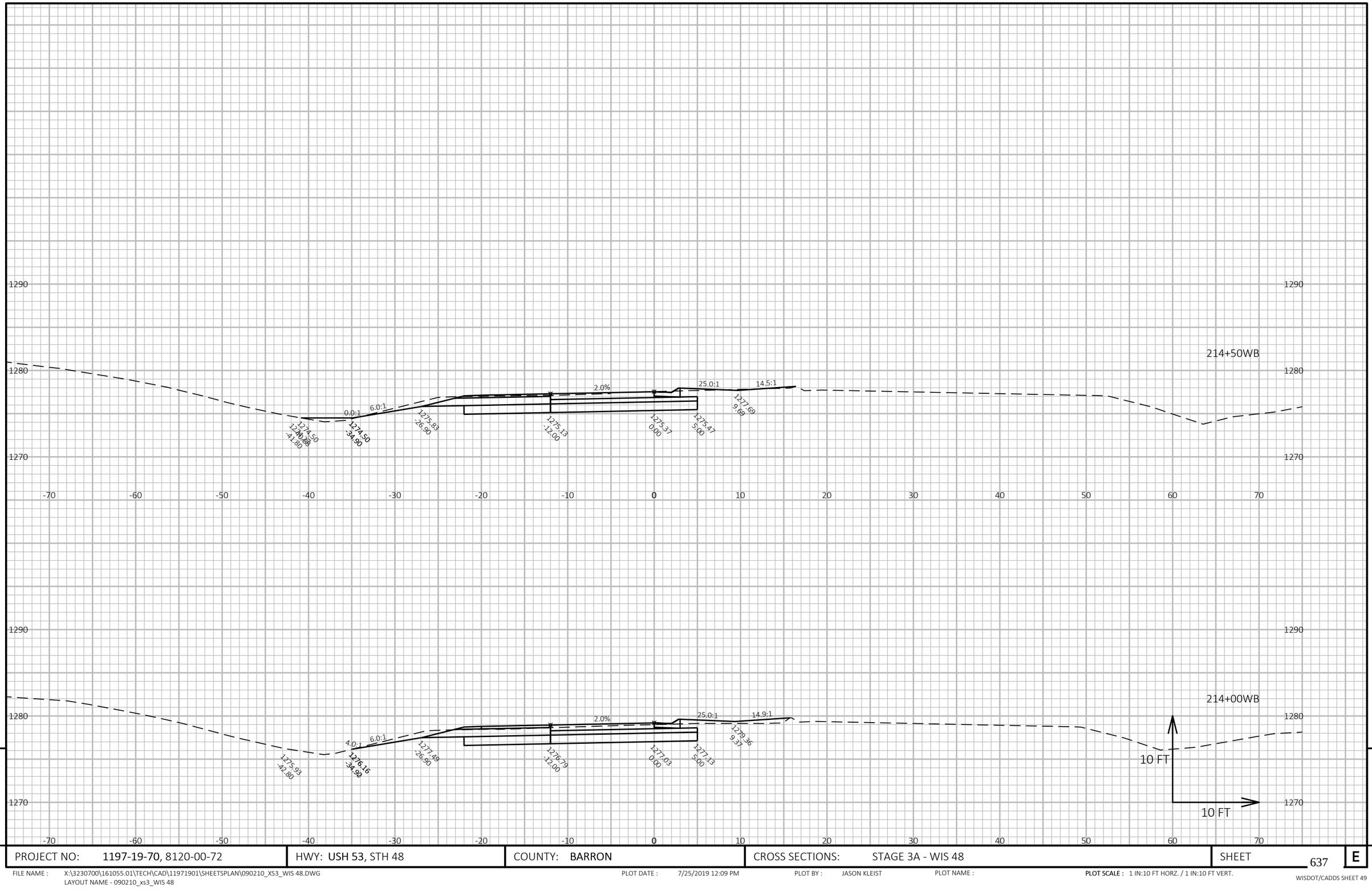
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 636	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090209_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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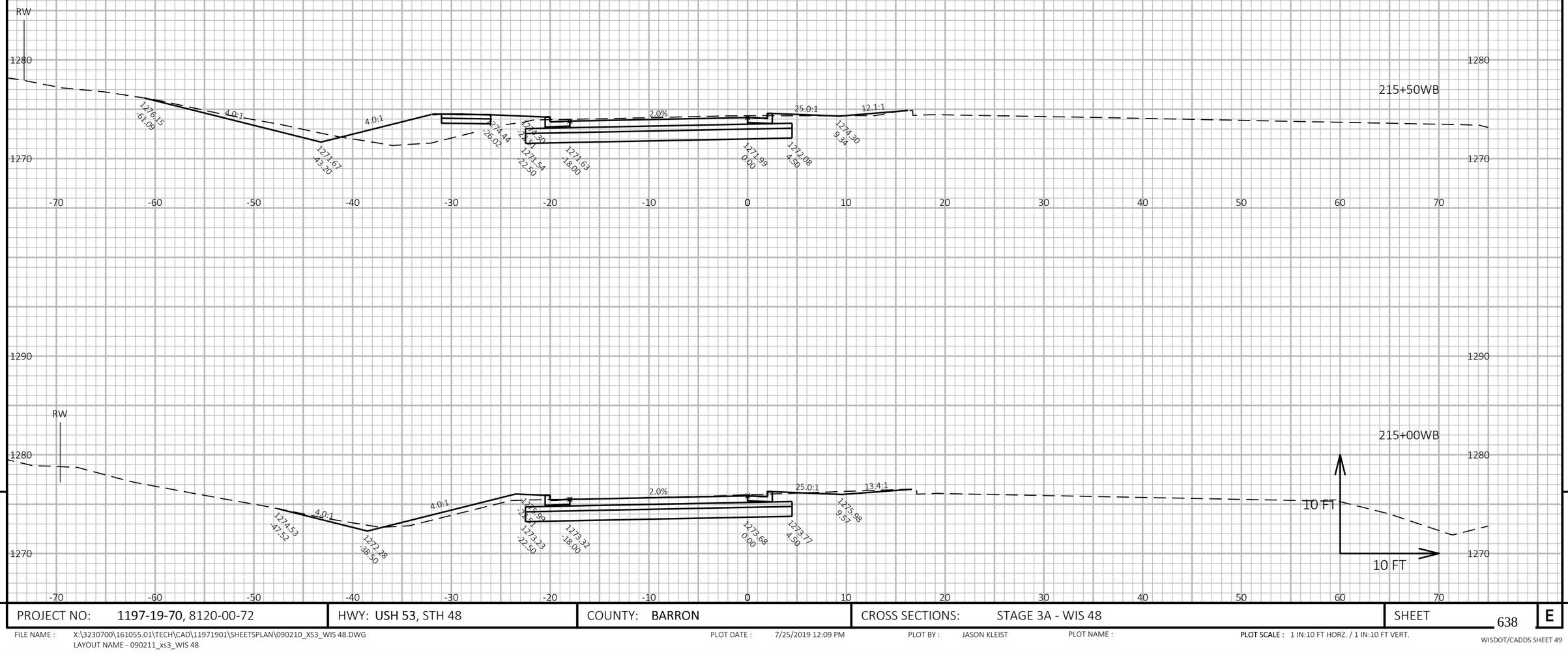
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 637	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090210_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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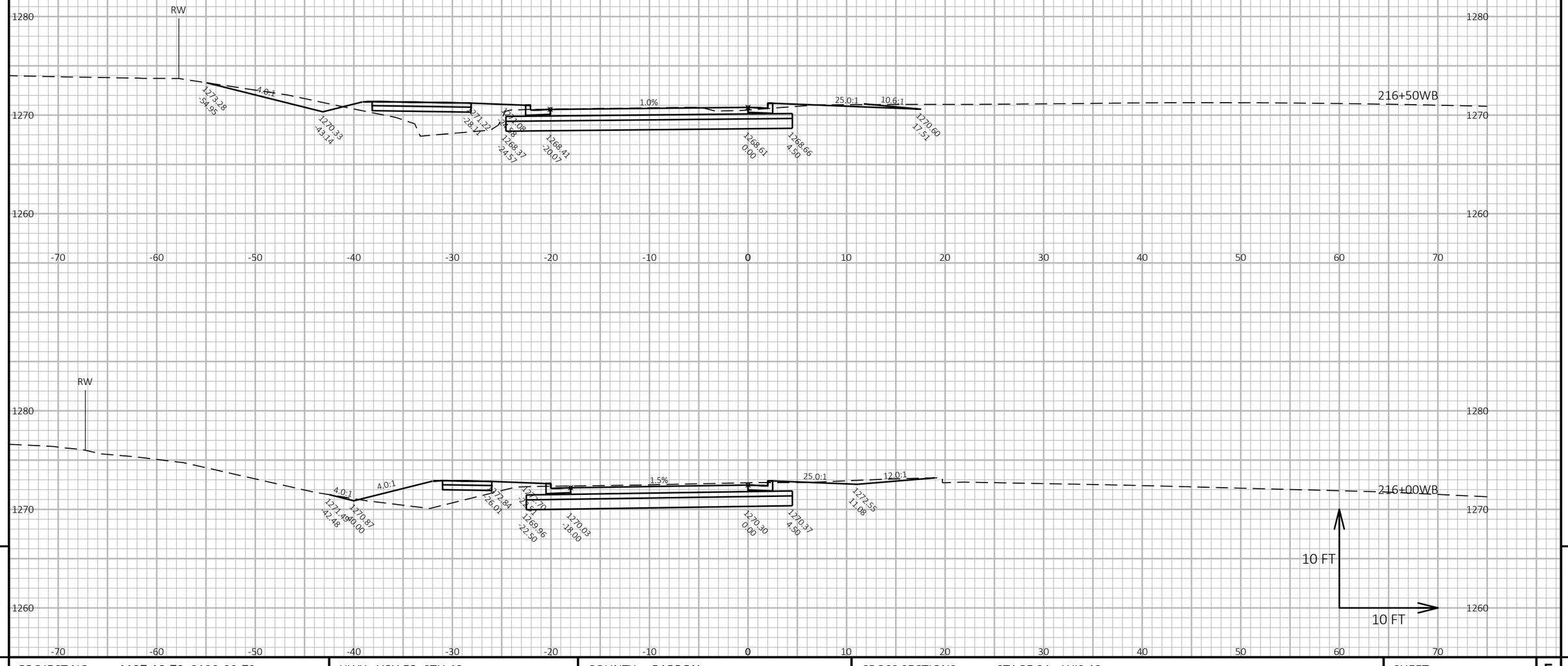
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 638	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090211_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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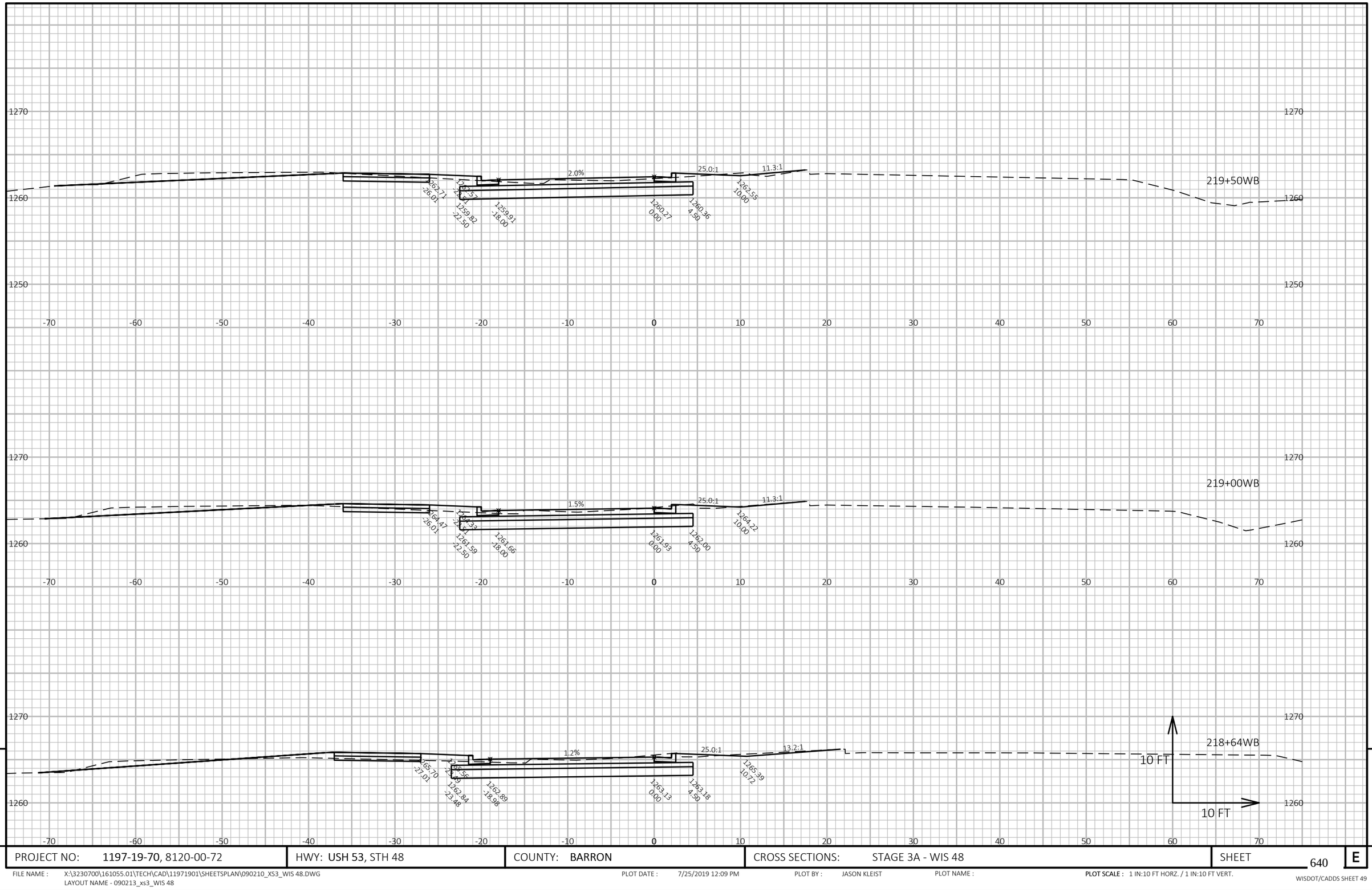
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 639	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090212_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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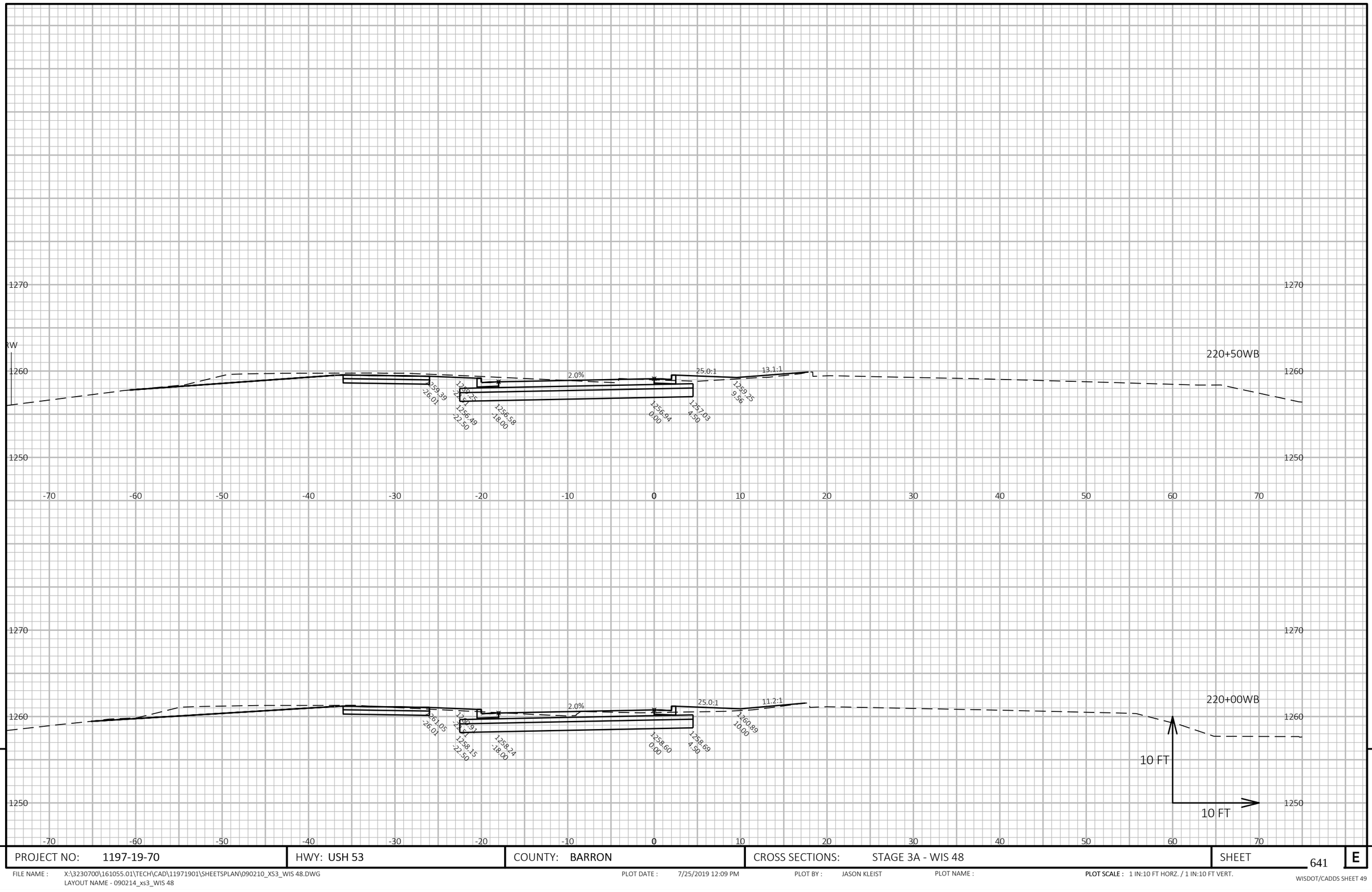
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 640	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090213_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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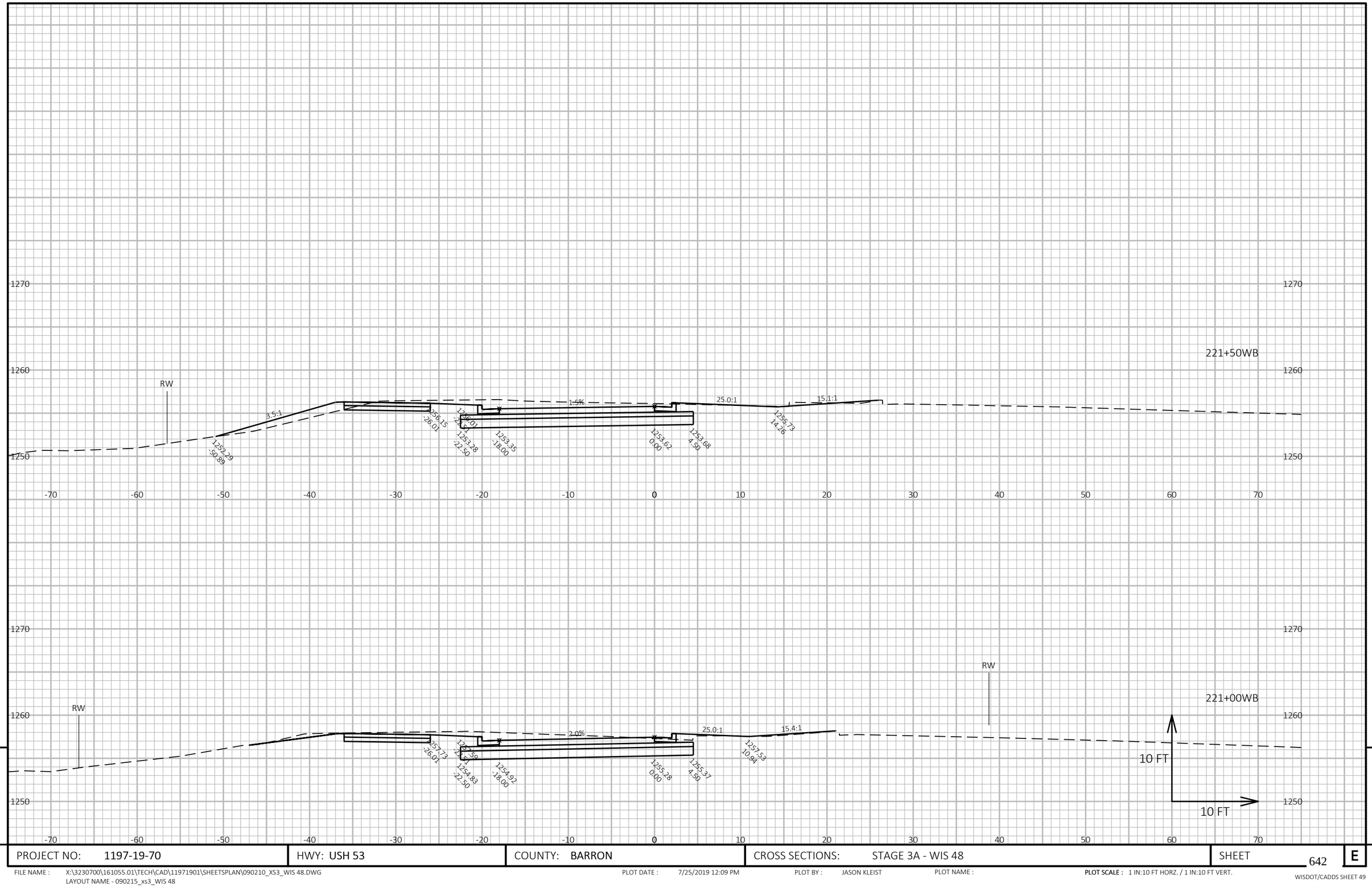
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 641	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090214_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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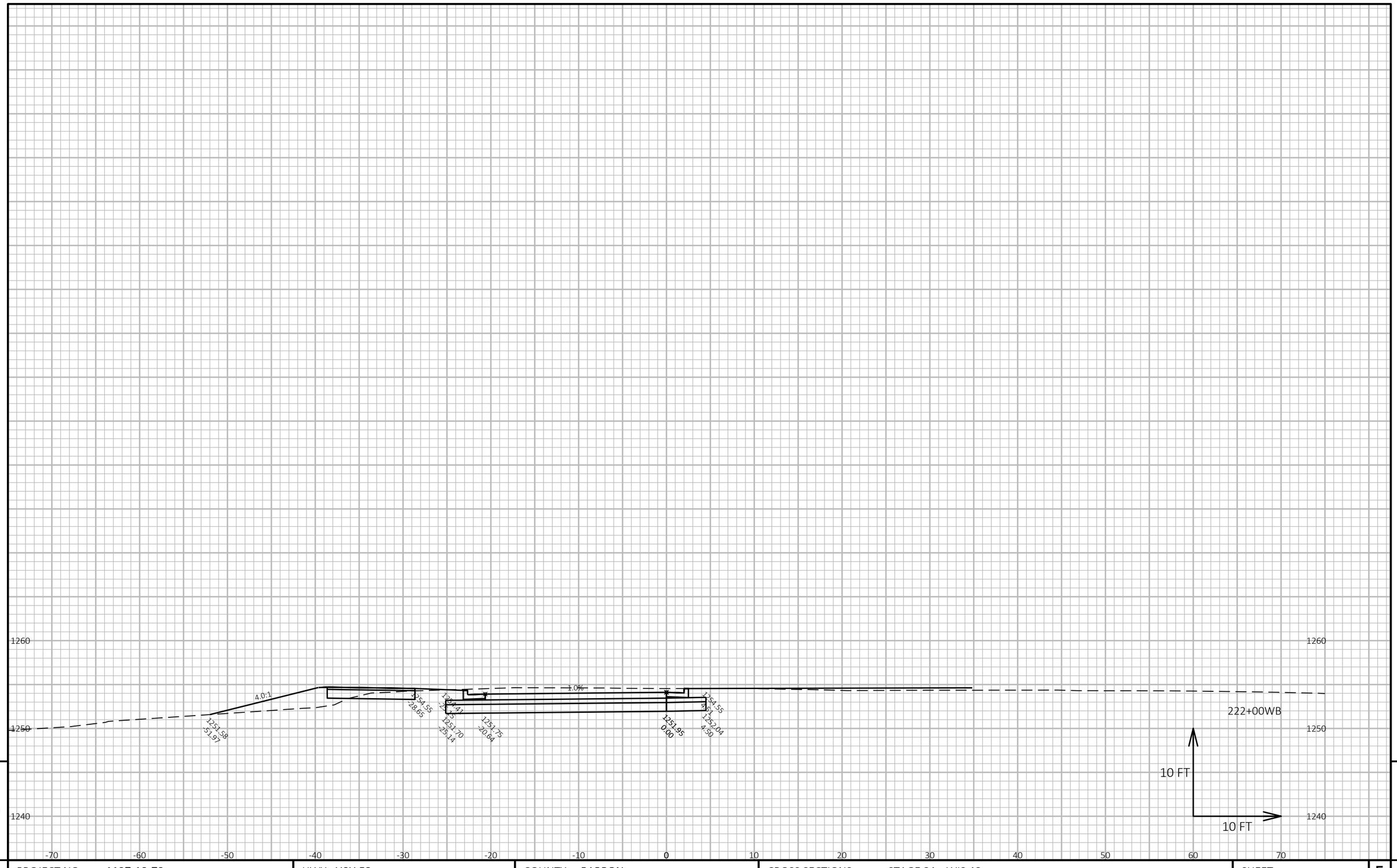
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 642	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090215_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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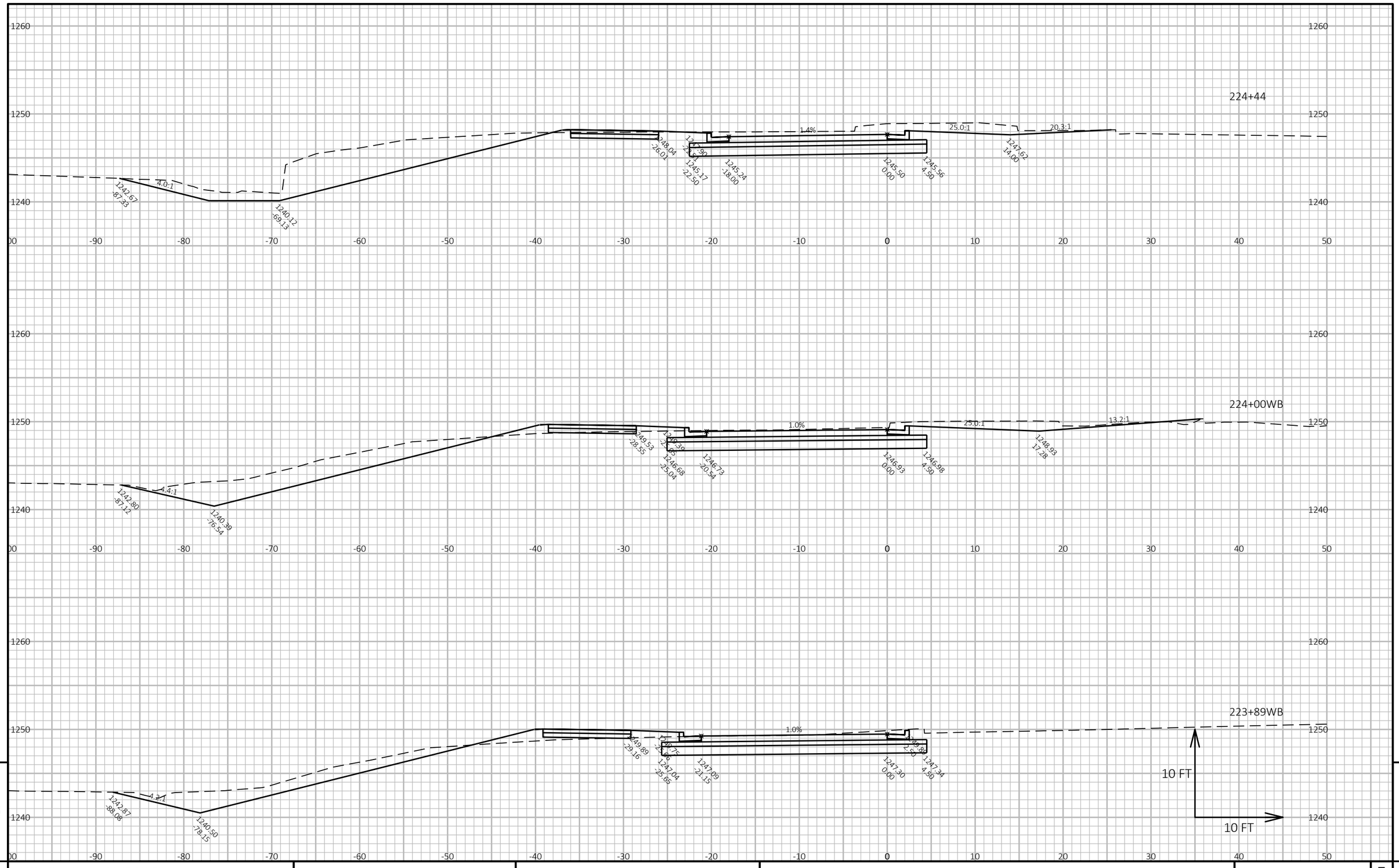
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 643	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090216_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

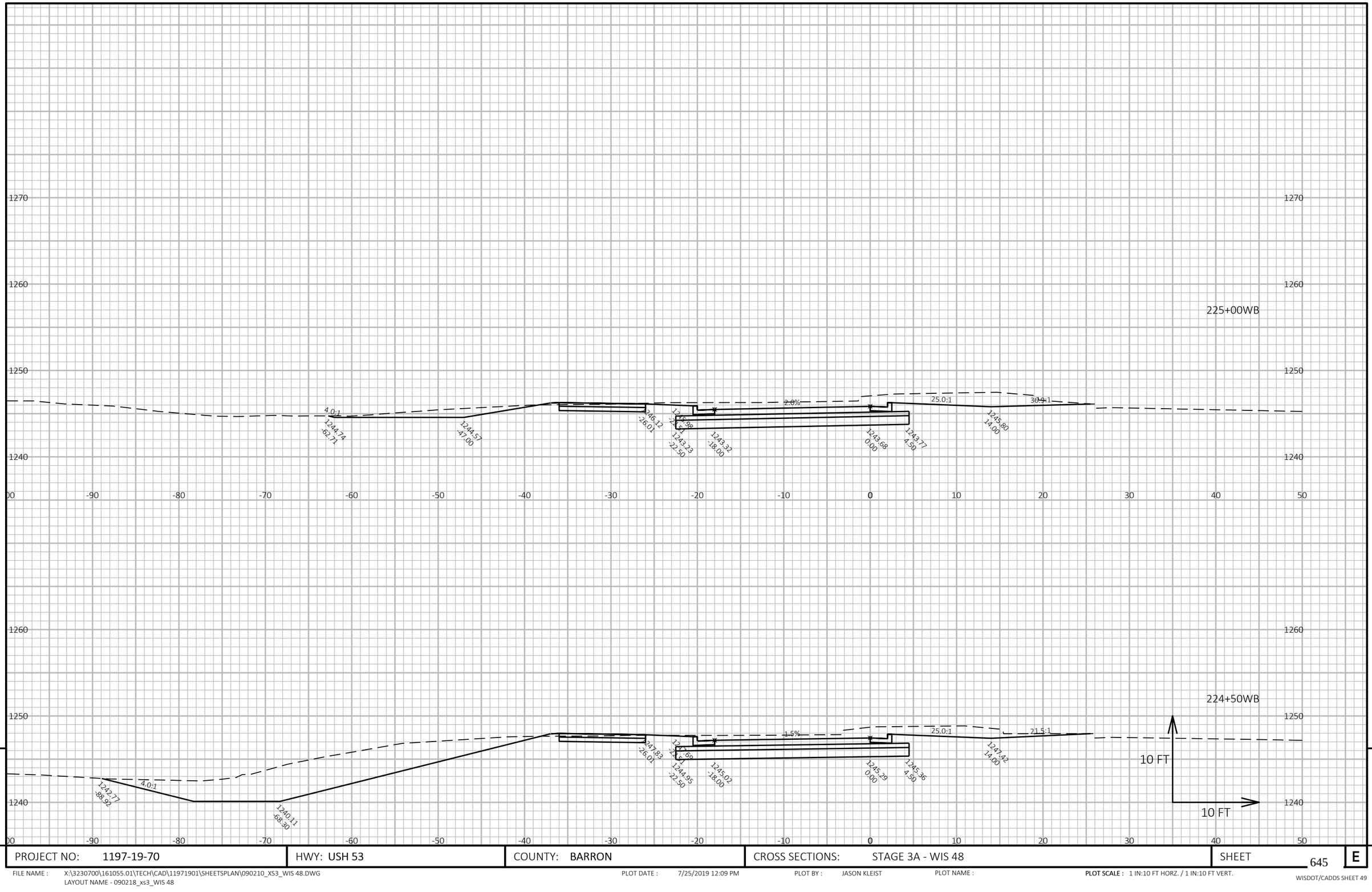


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 644 E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090217_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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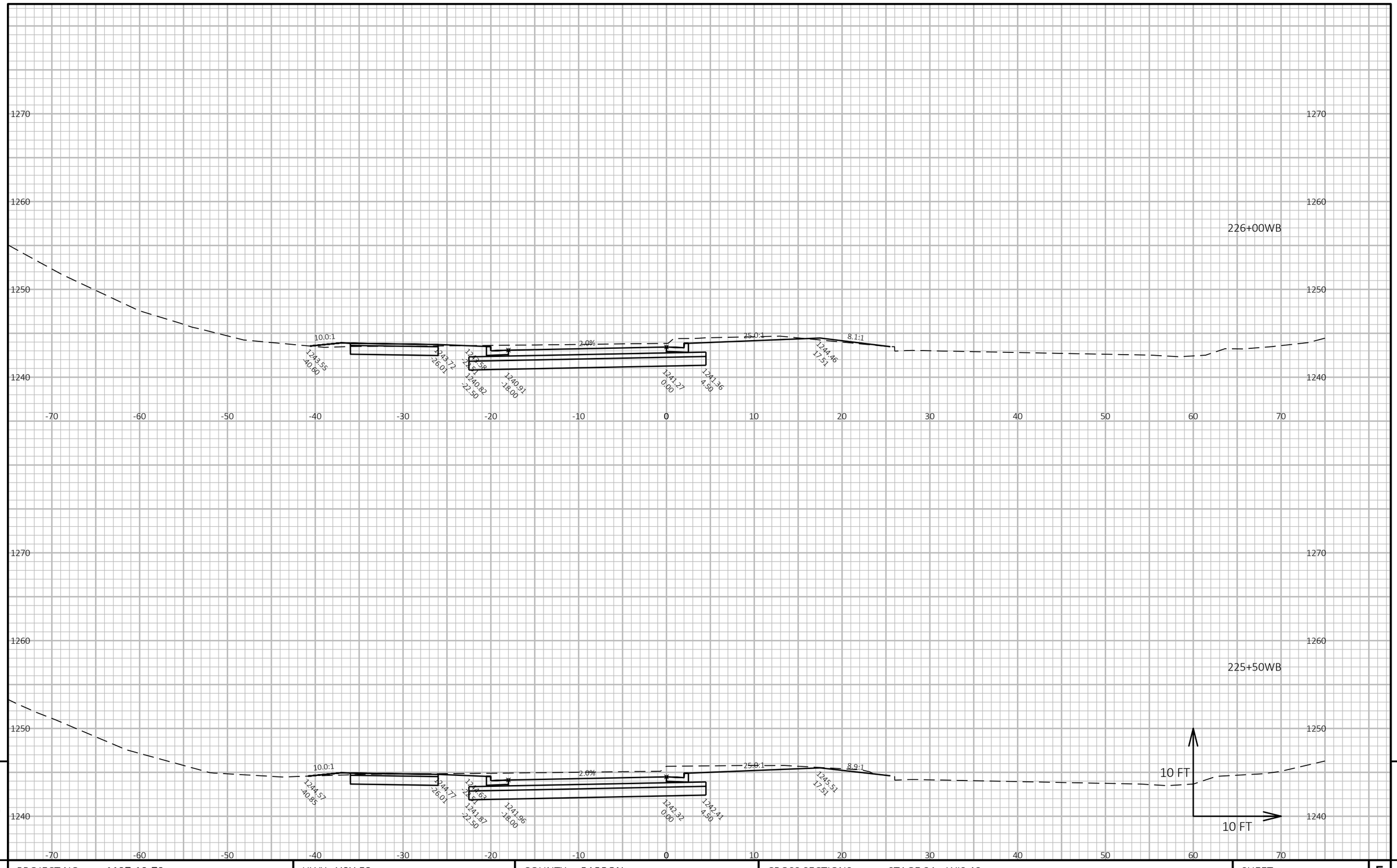
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 645	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090218_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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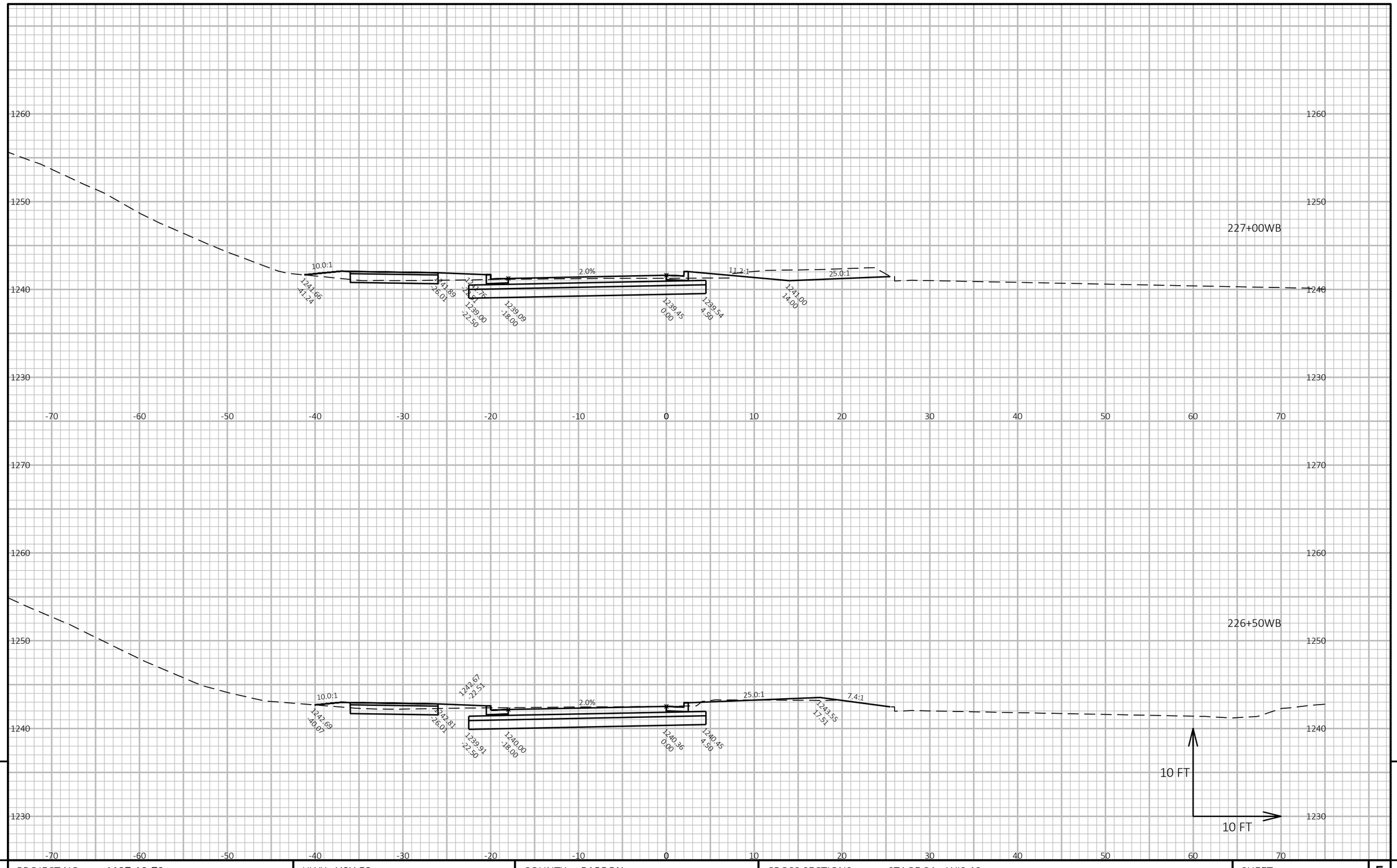
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 646	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090219_xs3_WIS 48

PLOT DATE : 7/25/2019 12:09 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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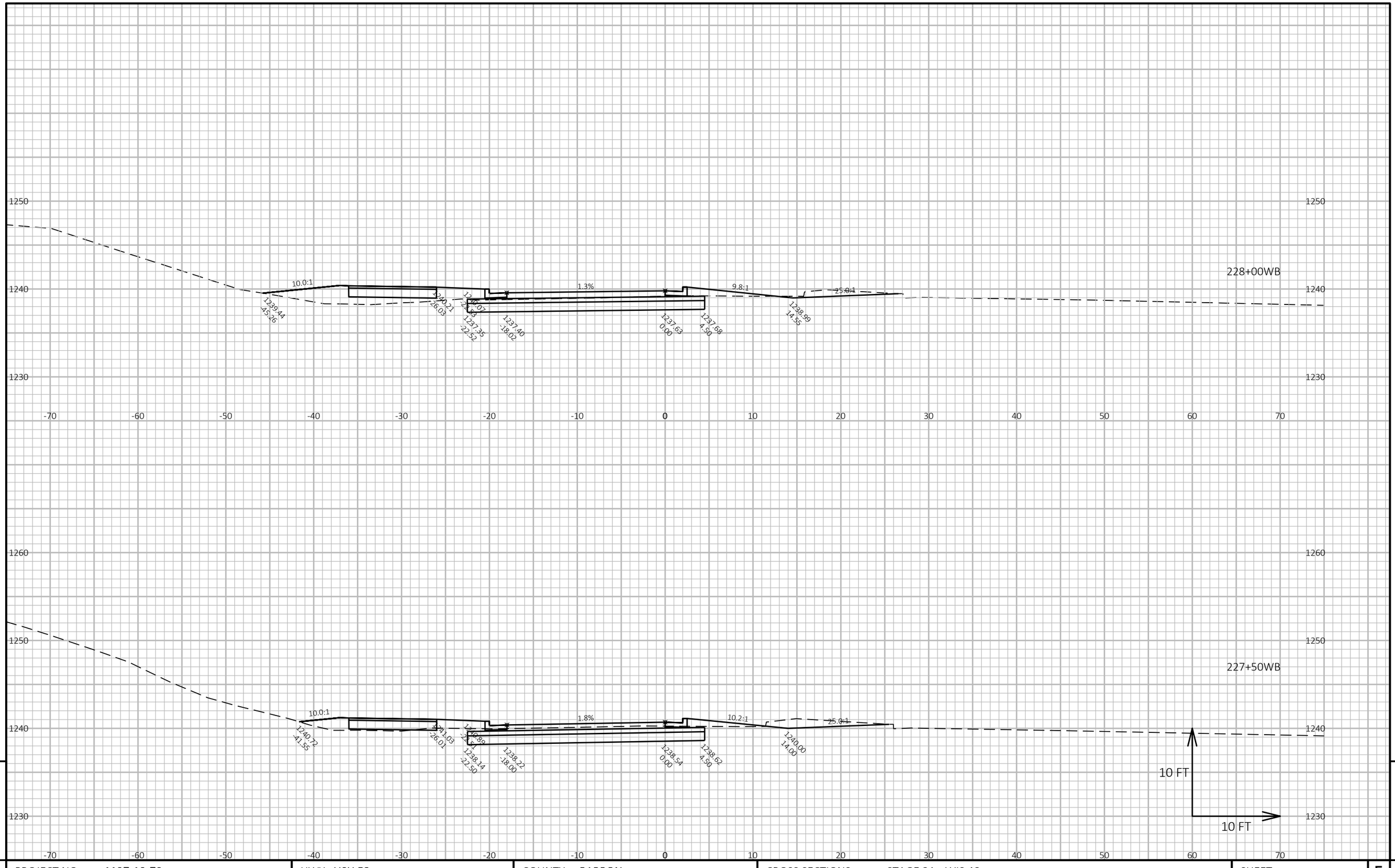
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 647	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090220_xs3_WIS 48

PLOT DATE : 7/25/2019 12:41 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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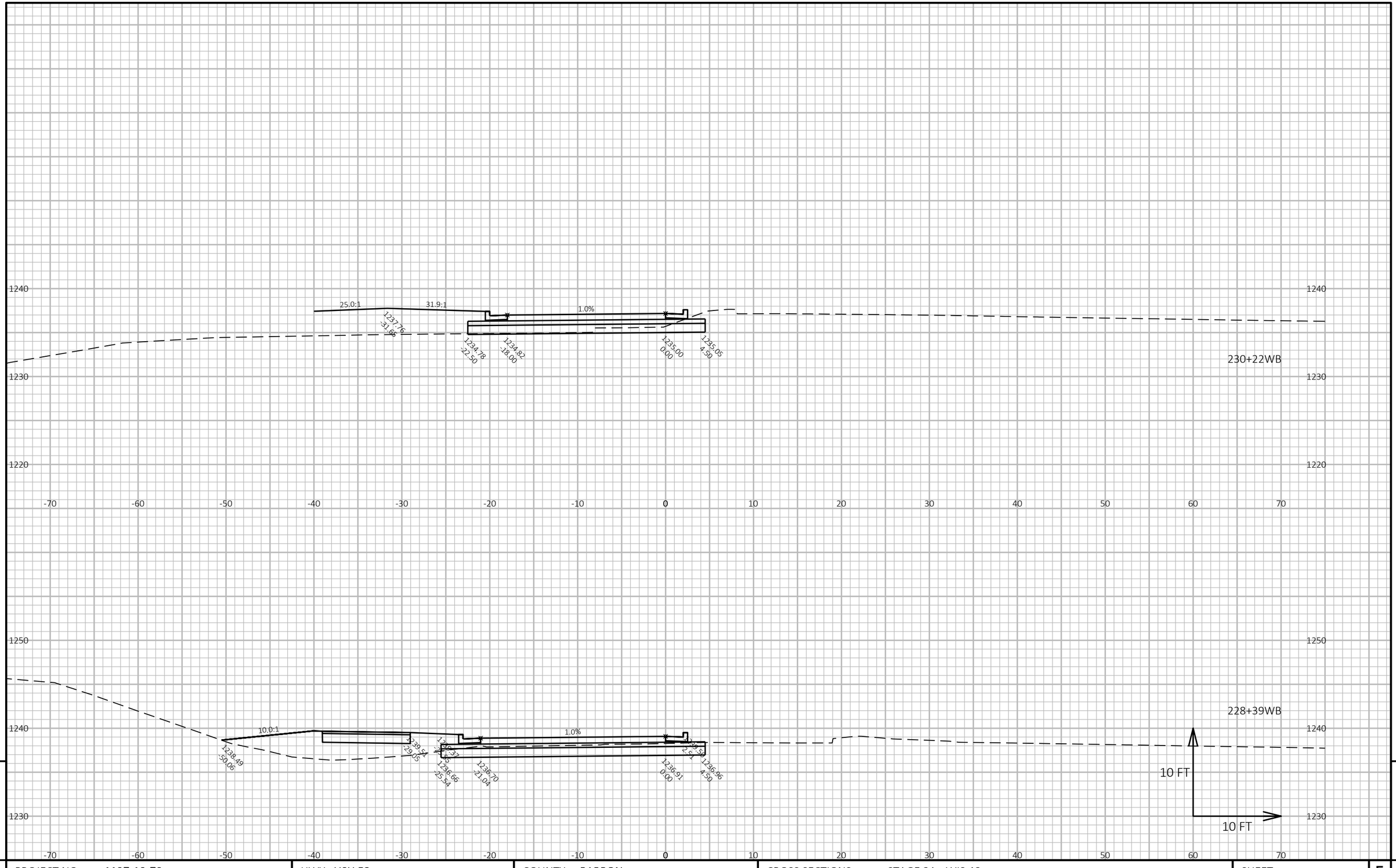
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 648	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090221_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

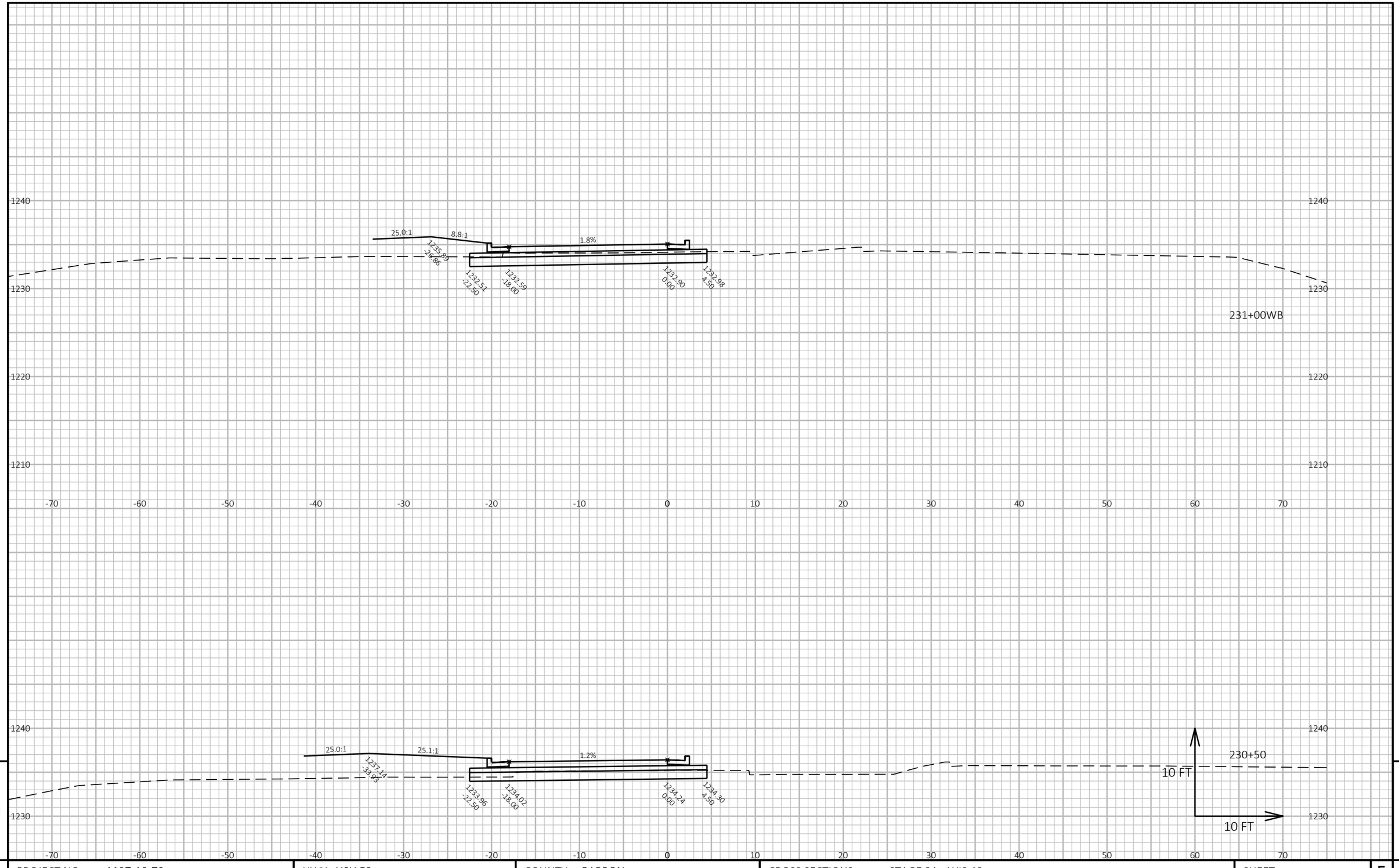


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 649	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090222_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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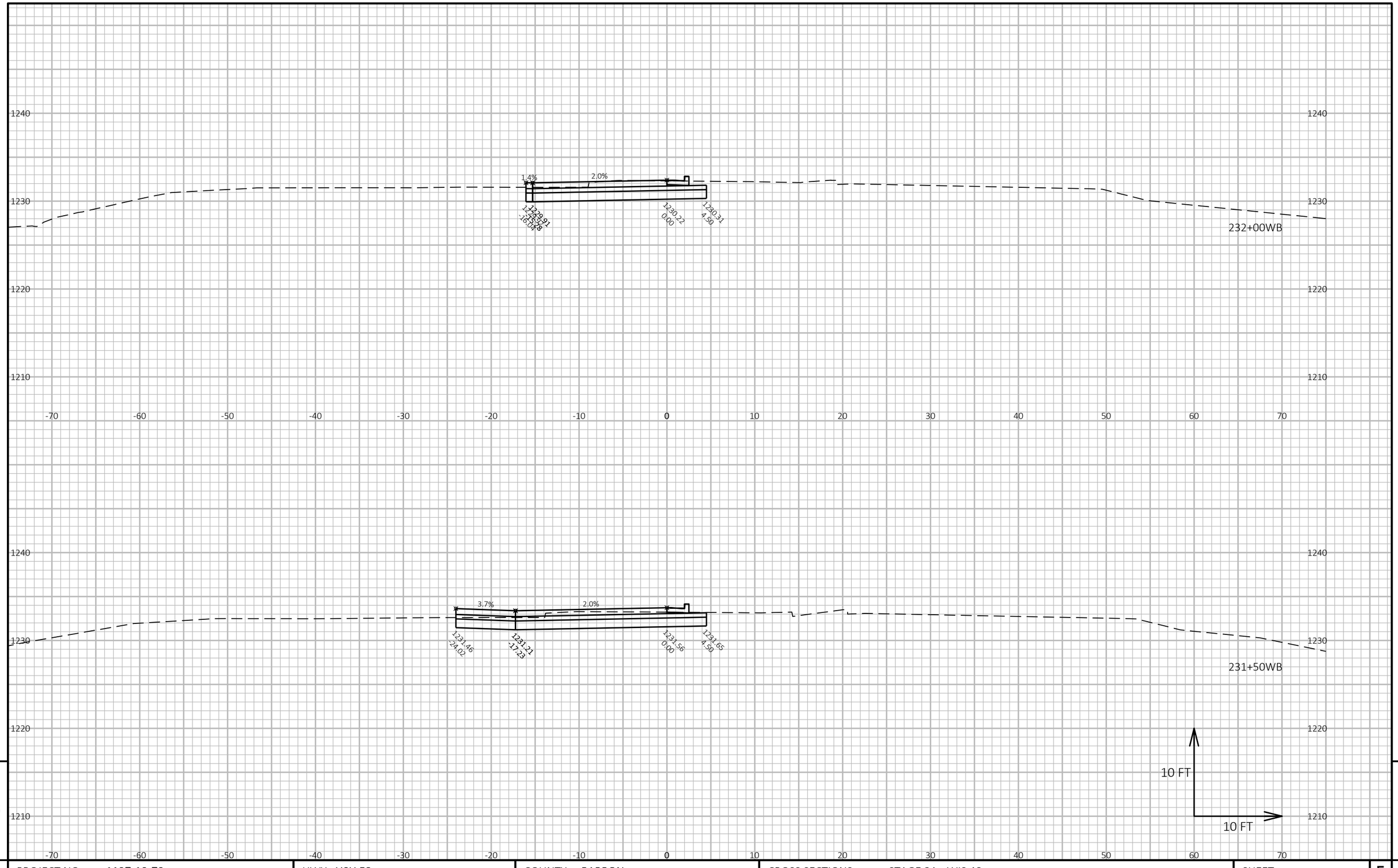
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 650	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090223_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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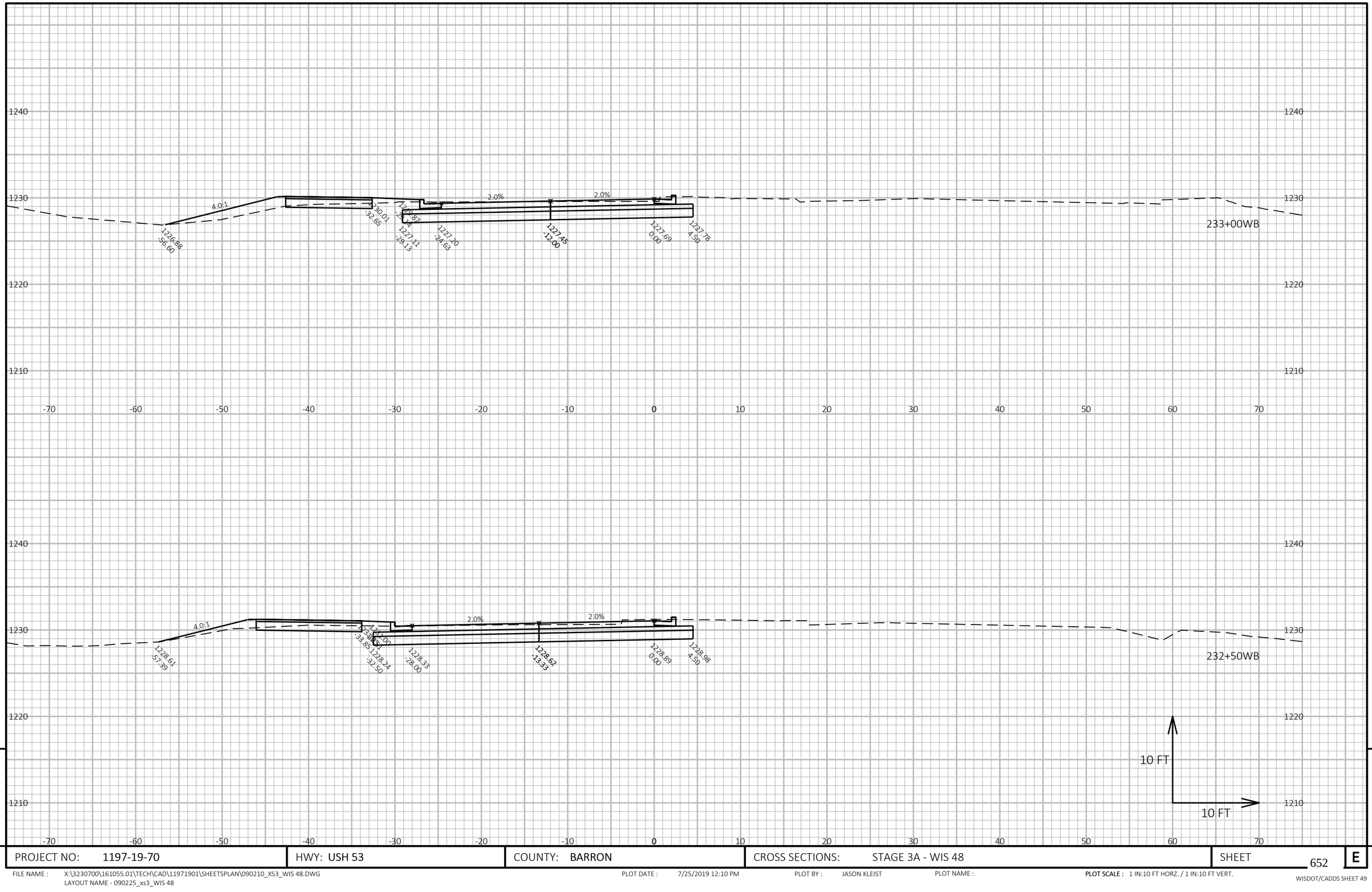
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 651	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090224_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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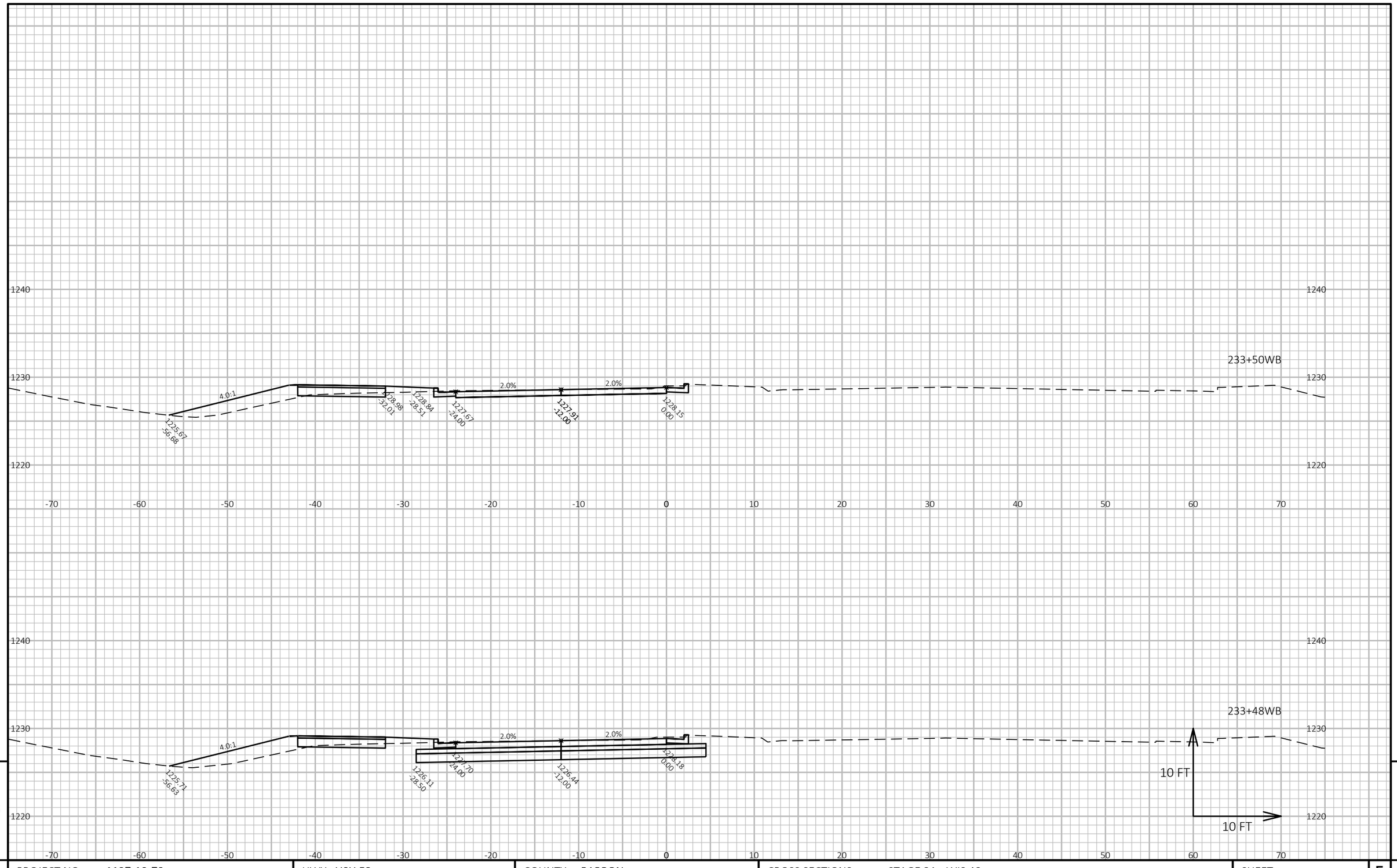
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 652	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090225_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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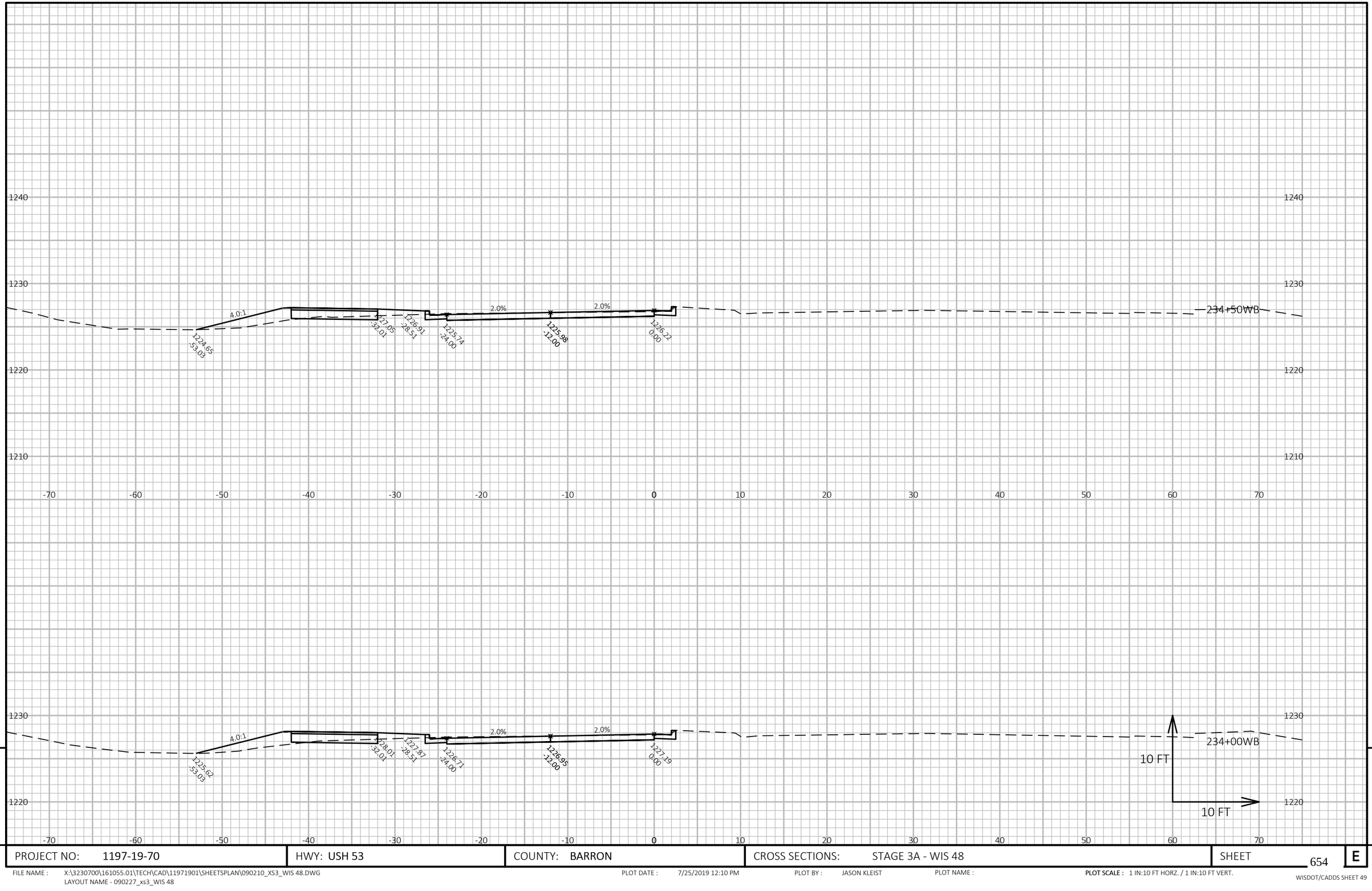
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 653	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090226_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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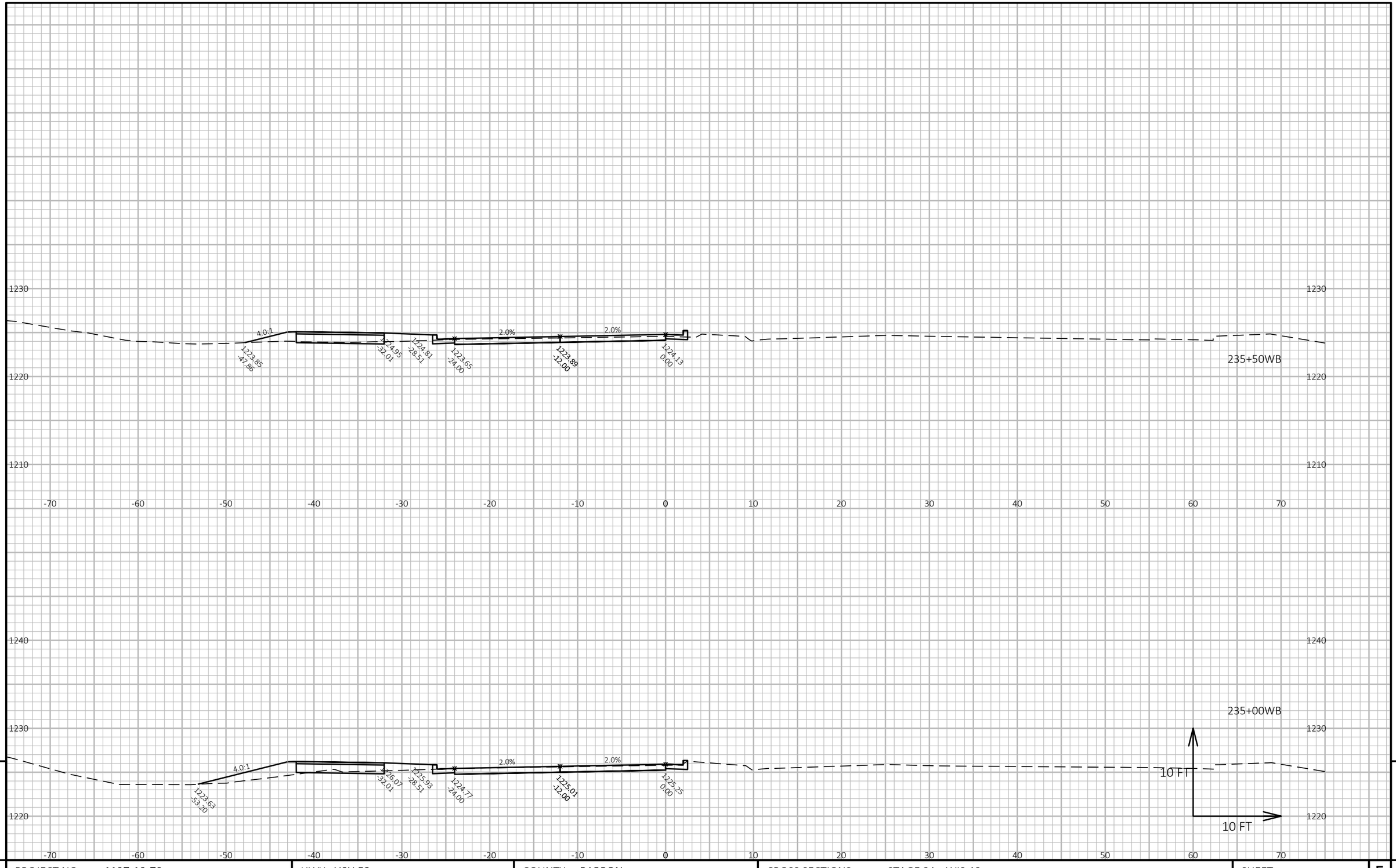
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 654	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090227_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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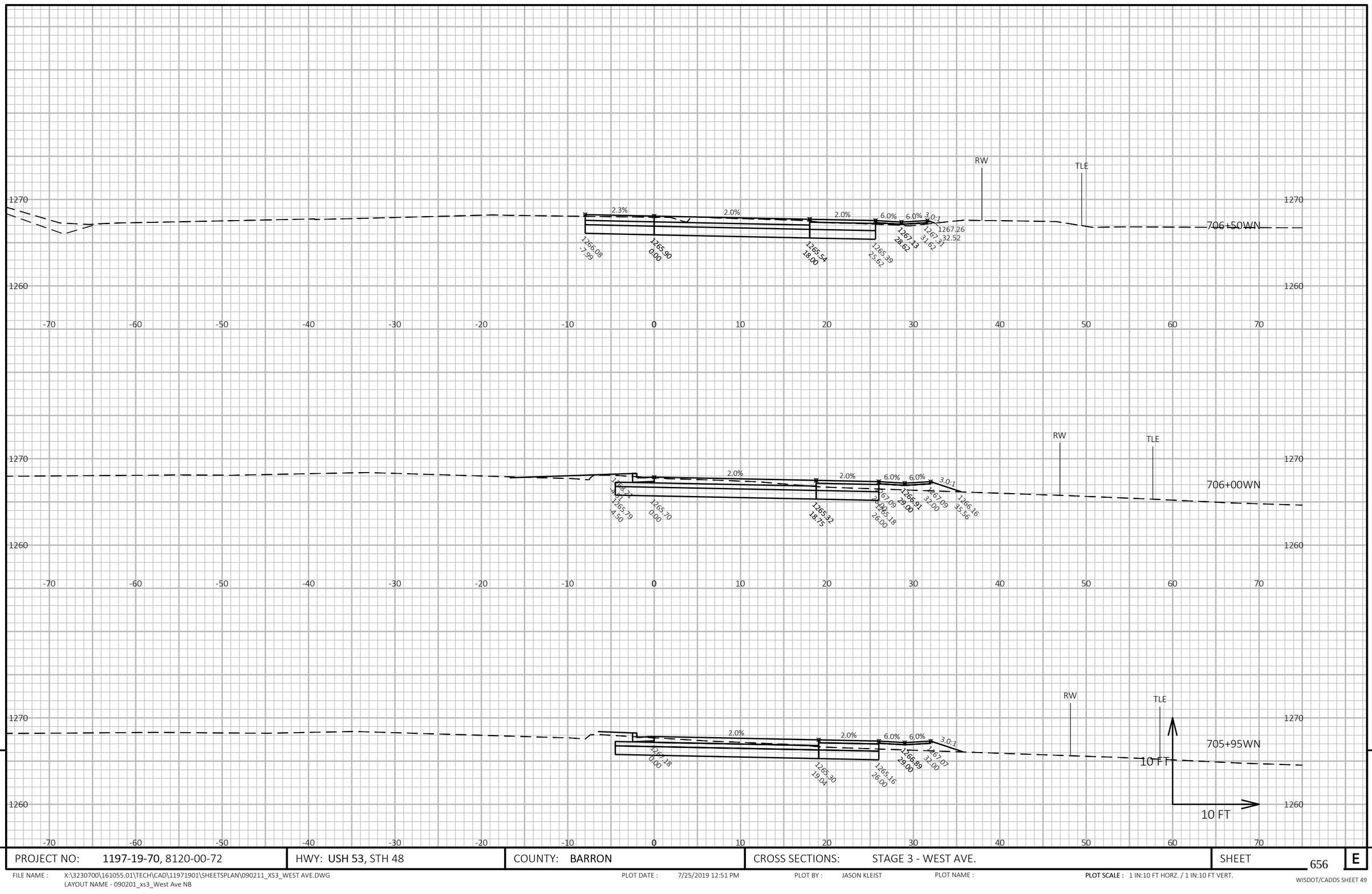
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3A - WIS 48	SHEET 655	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090210_XS3_WIS 48.DWG
LAYOUT NAME - 090228_xs3_WIS 48

PLOT DATE : 7/25/2019 12:10 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

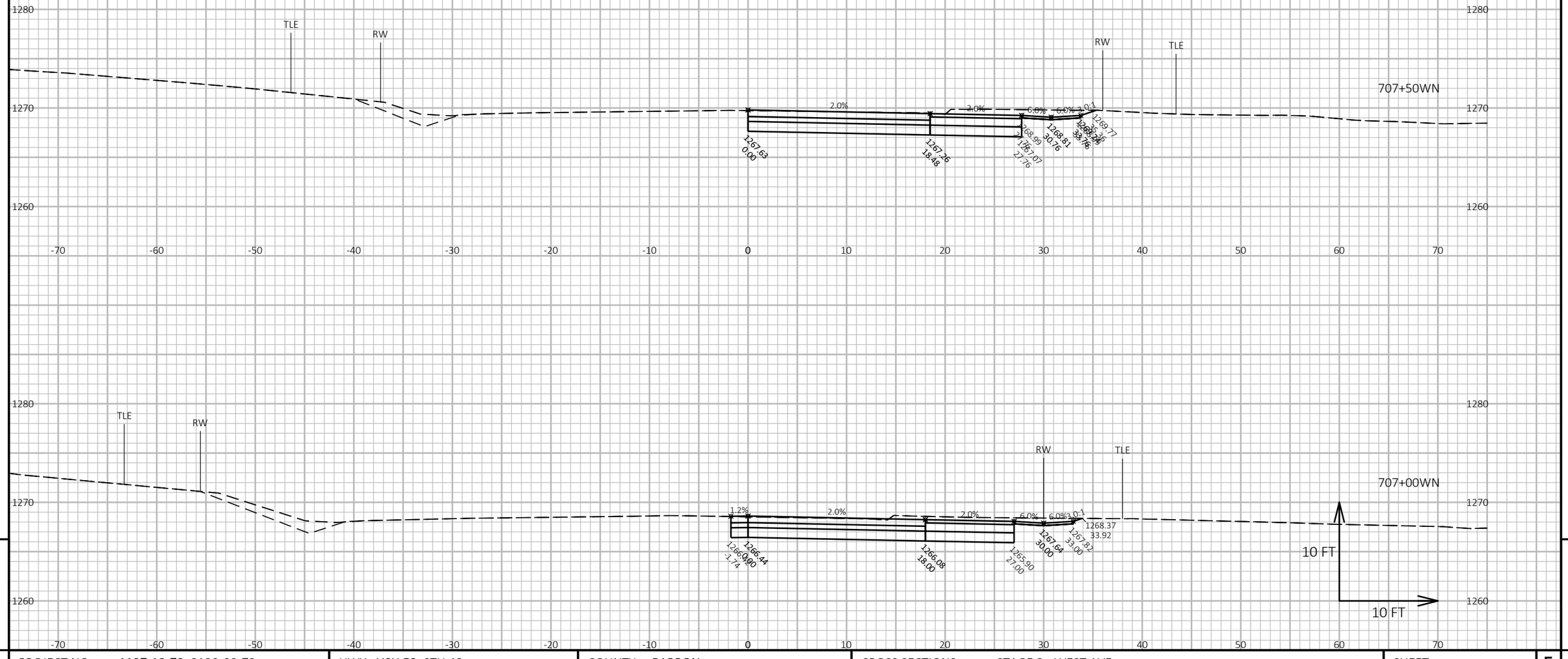


PROJECT NO:	HWY:	COUNTY:	CROSS SECTIONS:	SHEET	
1197-19-70, 8120-00-72	USH 53, STH 48	BARRON	STAGE 3 - WEST AVE.	656	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090211_XS3_WEST AVE.DWG
LAYOUT NAME - 090201_xs3_West Ave NB

PLOT DATE : 7/25/2019 12:51 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

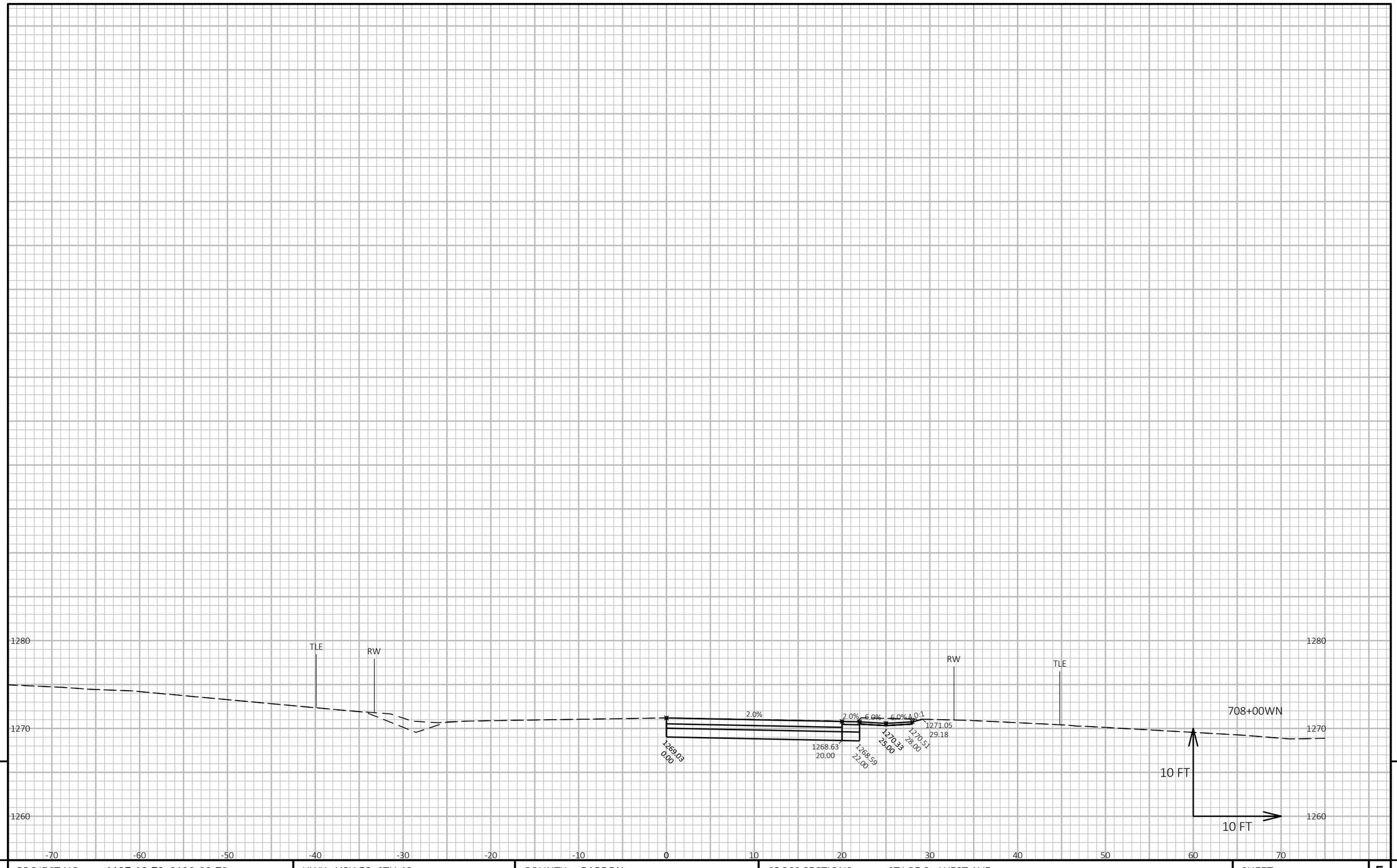


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WEST AVE.	SHEET 657	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090211_XS3_WEST AVE.DWG
LAYOUT NAME - 090202_xs3_West Ave NB

PLOT DATE : 7/25/2019 12:51 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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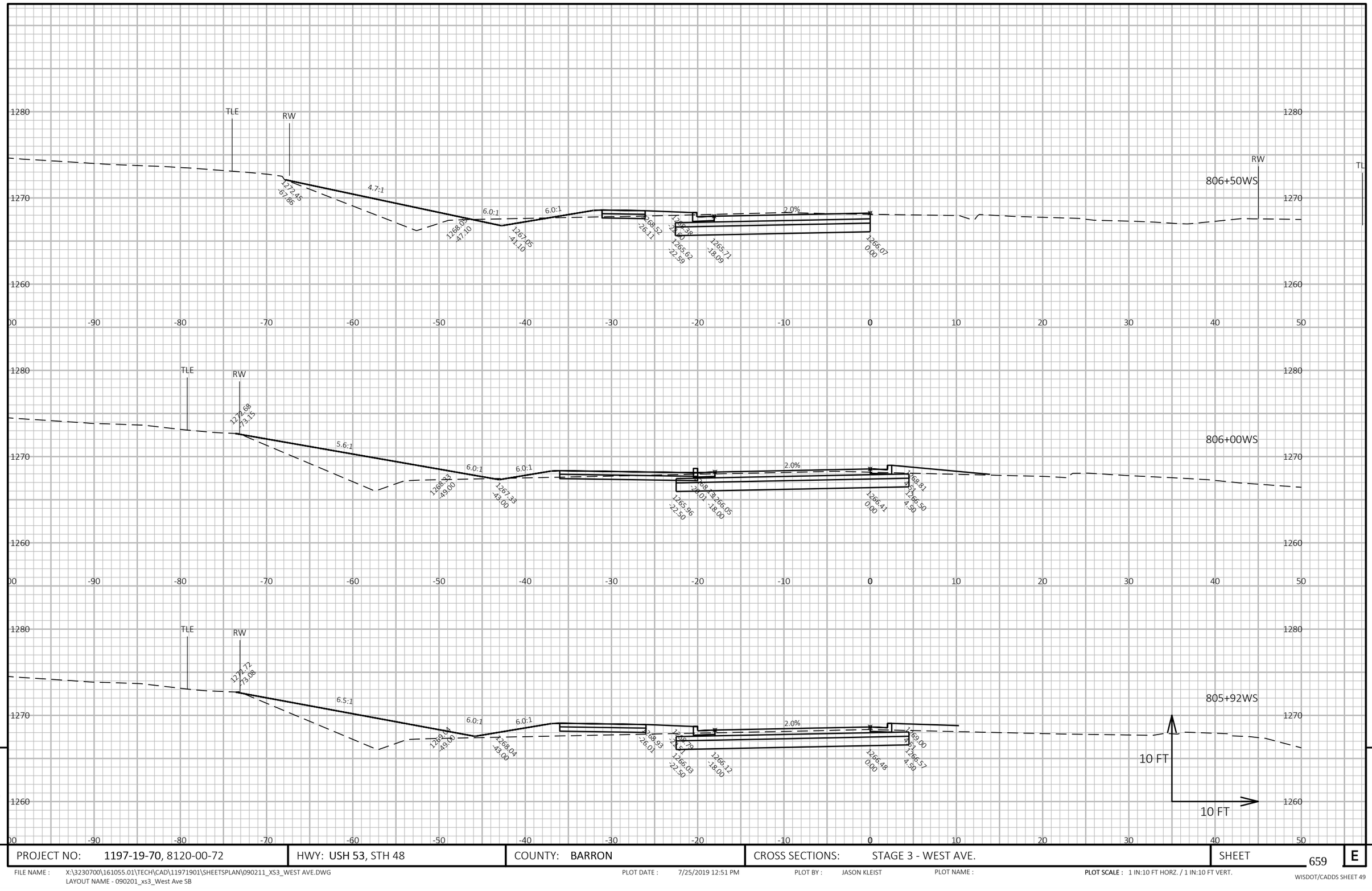
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WEST AVE.	SHEET 658	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090211_XS3_WEST AVE.DWG
LAYOUT NAME - 090203_xs3_West Ave NB

PLOT DATE : 7/25/2019 12:51 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

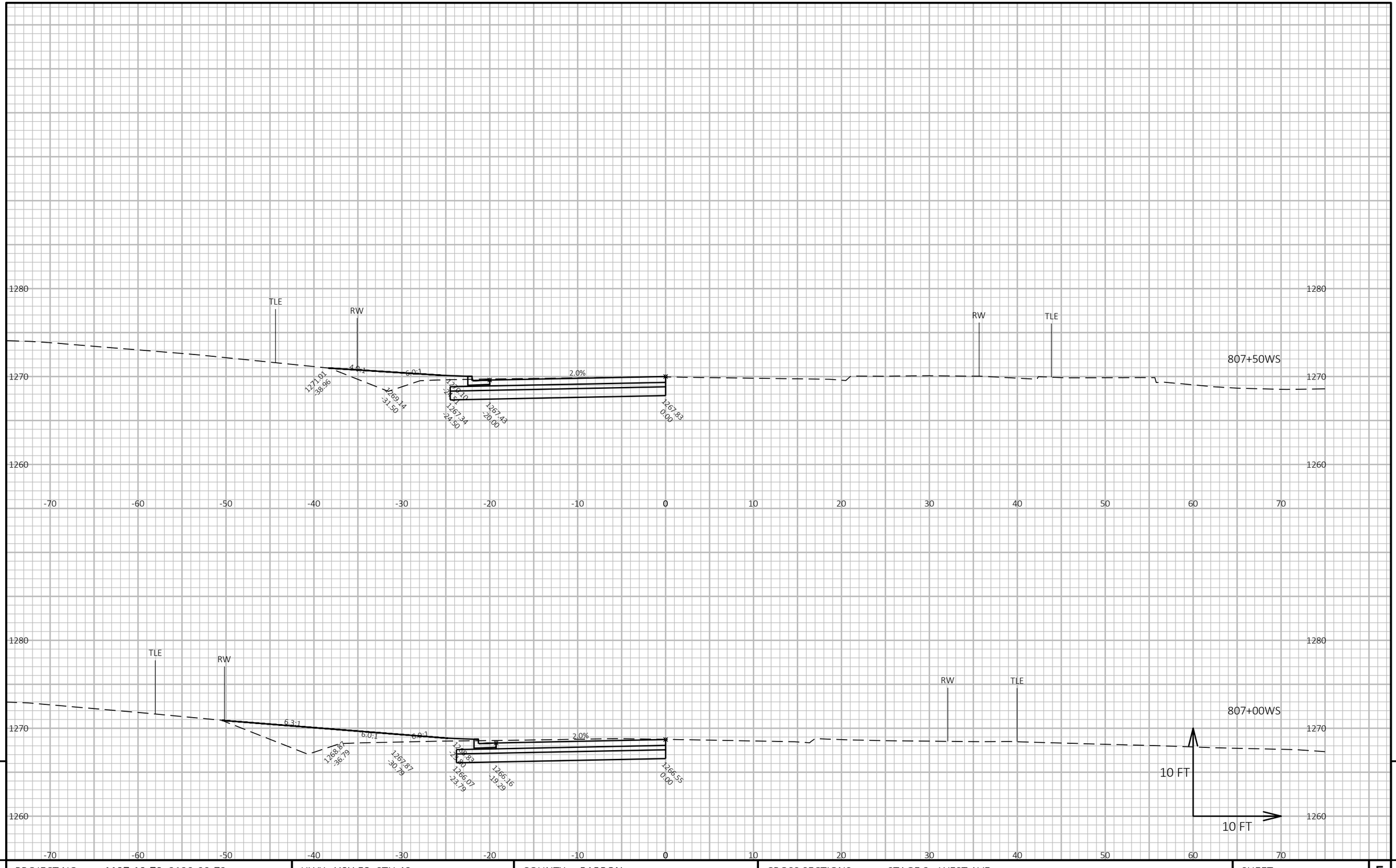


PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WEST AVE.	SHEET 659	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090211_XS3_WEST AVE.DWG
LAYOUT NAME - 090201_xs3_West Ave SB

PLOT DATE : 7/25/2019 12:51 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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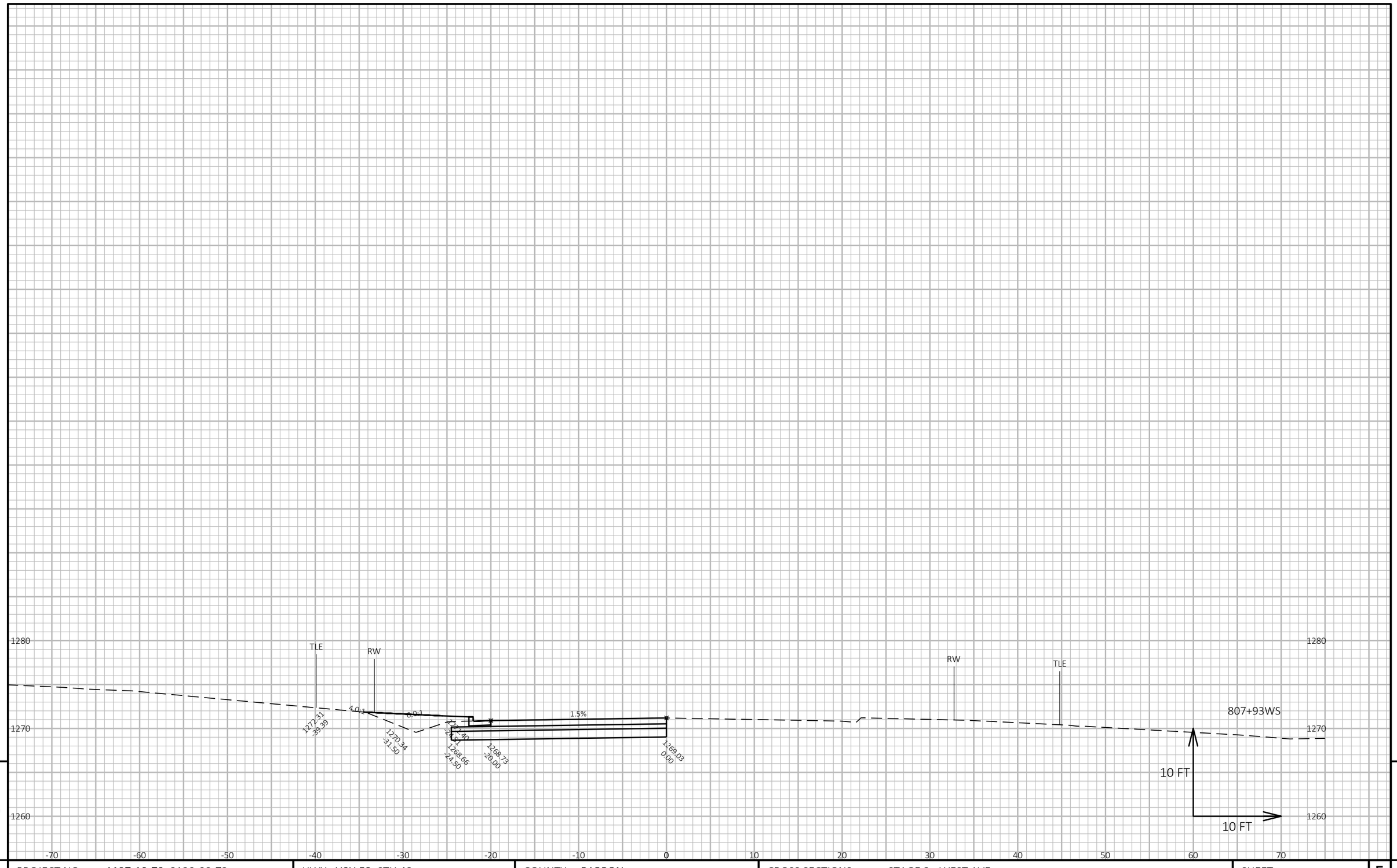
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WEST AVE.	SHEET 660 E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090211_XS3_WEST AVE.DWG
LAYOUT NAME - 090202_xs3_West Ave SB

PLOT DATE : 7/25/2019 12:51 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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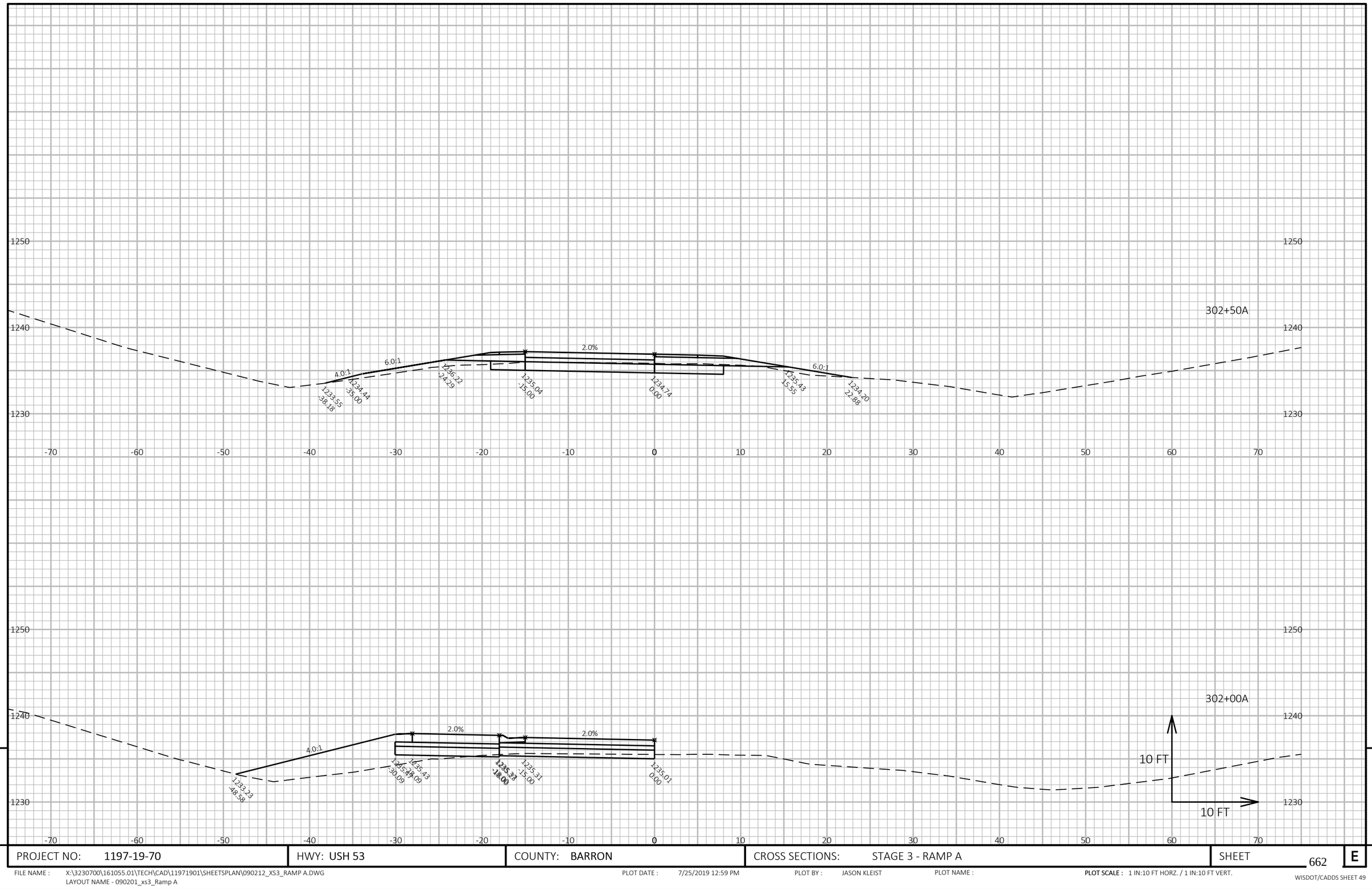
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WEST AVE.	SHEET 661	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090211_XS3_WEST AVE.DWG
LAYOUT NAME - 090203_xs3_West Ave SB

PLOT DATE : 7/25/2019 12:51 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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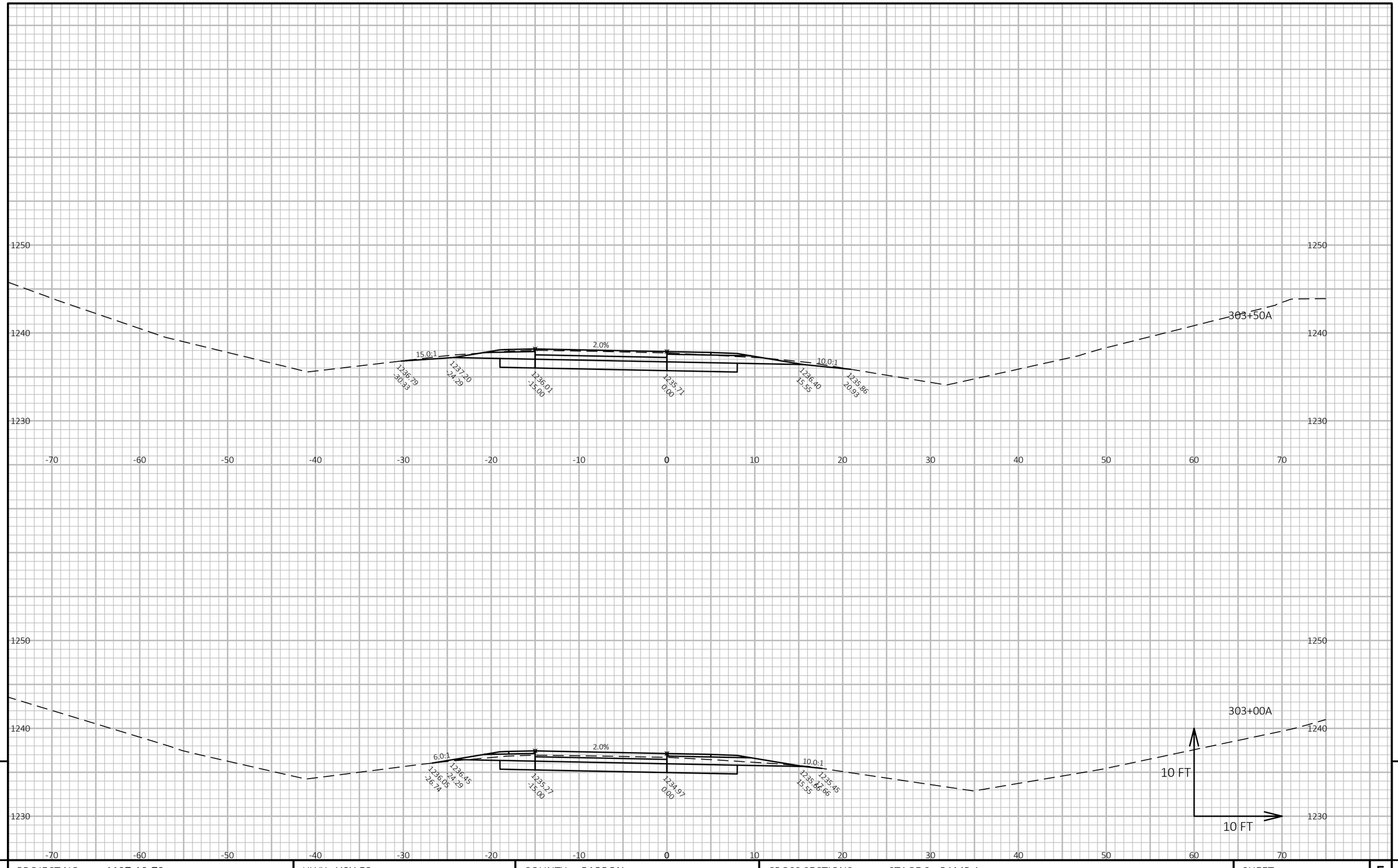
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - RAMP A	SHEET 662	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090212_XS3_RAMP A.DWG
LAYOUT NAME - 090201_xs3_Ramp A

PLOT DATE : 7/25/2019 12:59 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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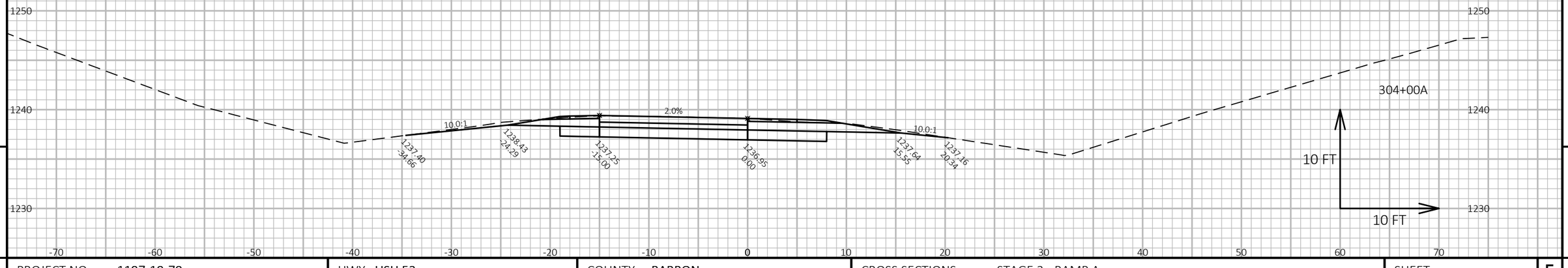
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - RAMP A	SHEET 663	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090212_XS3_RAMP A.DWG
LAYOUT NAME - 090202_xs3_Ramp A

PLOT DATE : 7/25/2019 12:59 PM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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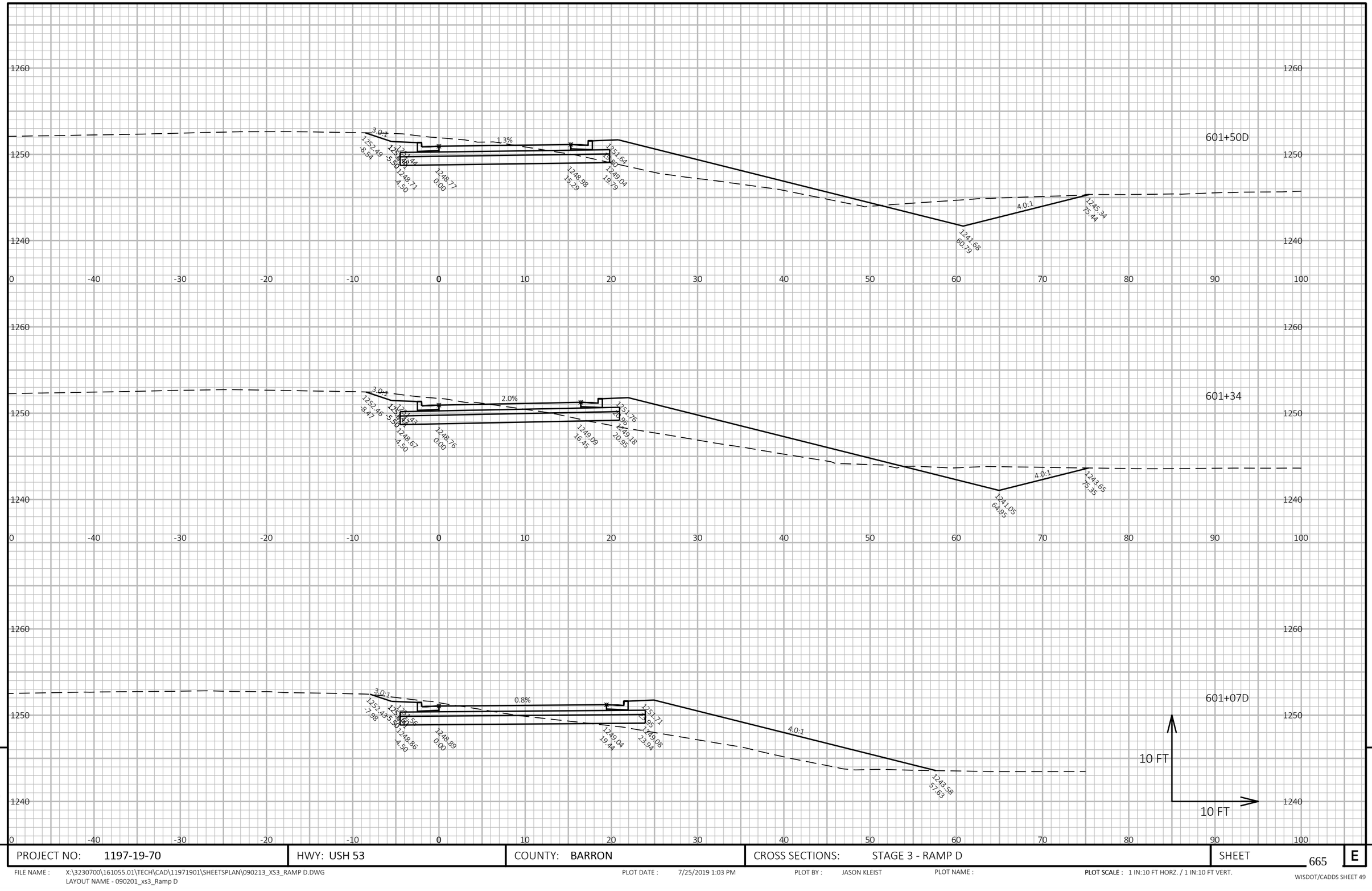
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - RAMP A	SHEET 664	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090212_XS3_RAMP A.DWG
LAYOUT NAME - 090203_xs3_Ramp A

PLOT DATE : 7/25/2019 12:59 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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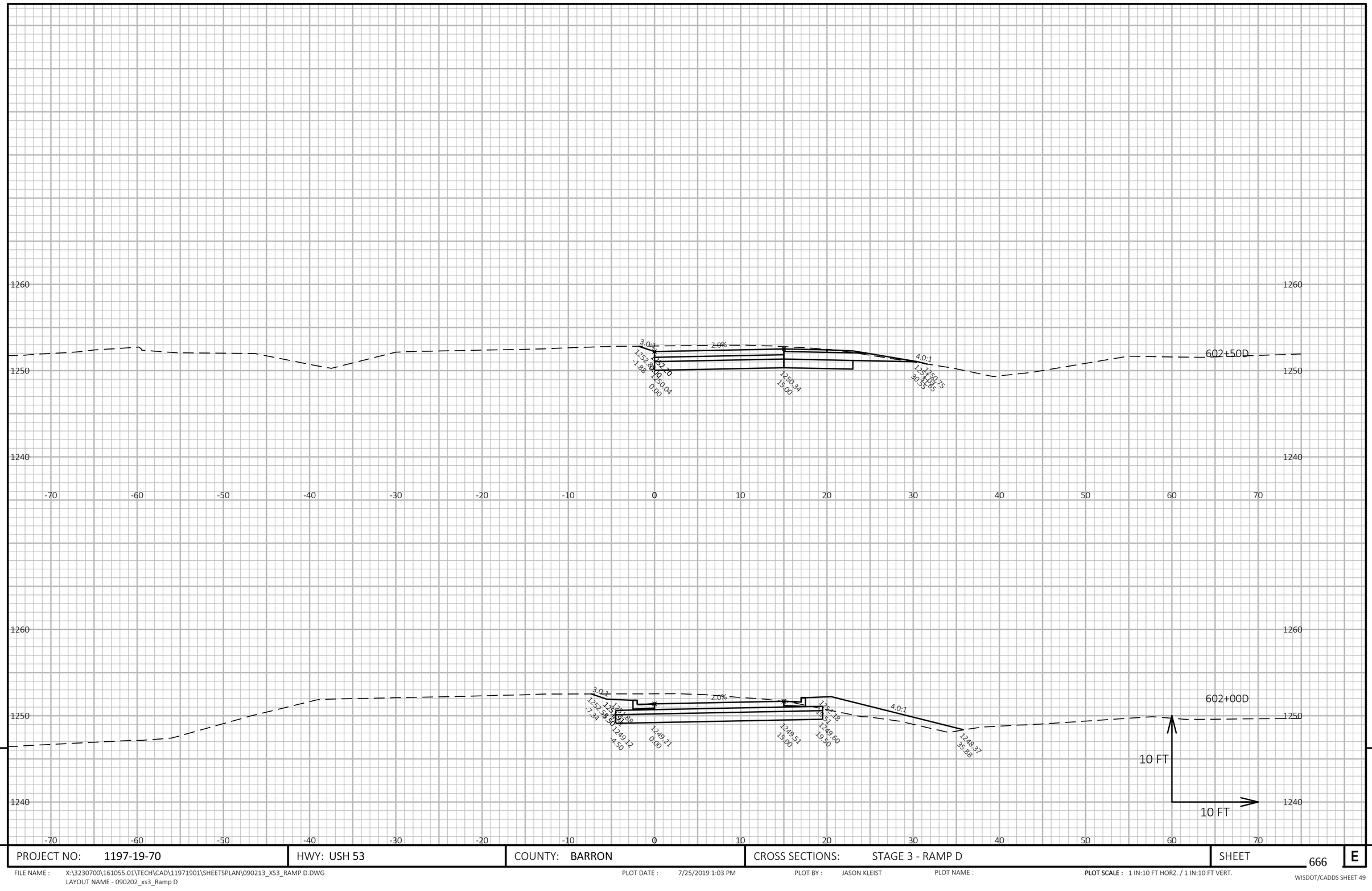
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - RAMP D	SHEET 665	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090213_XS3_RAMP D.DWG
LAYOUT NAME - 090201_xs3_Ramp D

PLOT DATE : 7/25/2019 1:03 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - RAMP D	SHEET 666	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090213_XS3_RAMP D.DWG
LAYOUT NAME - 090202_xs3_Ramp D

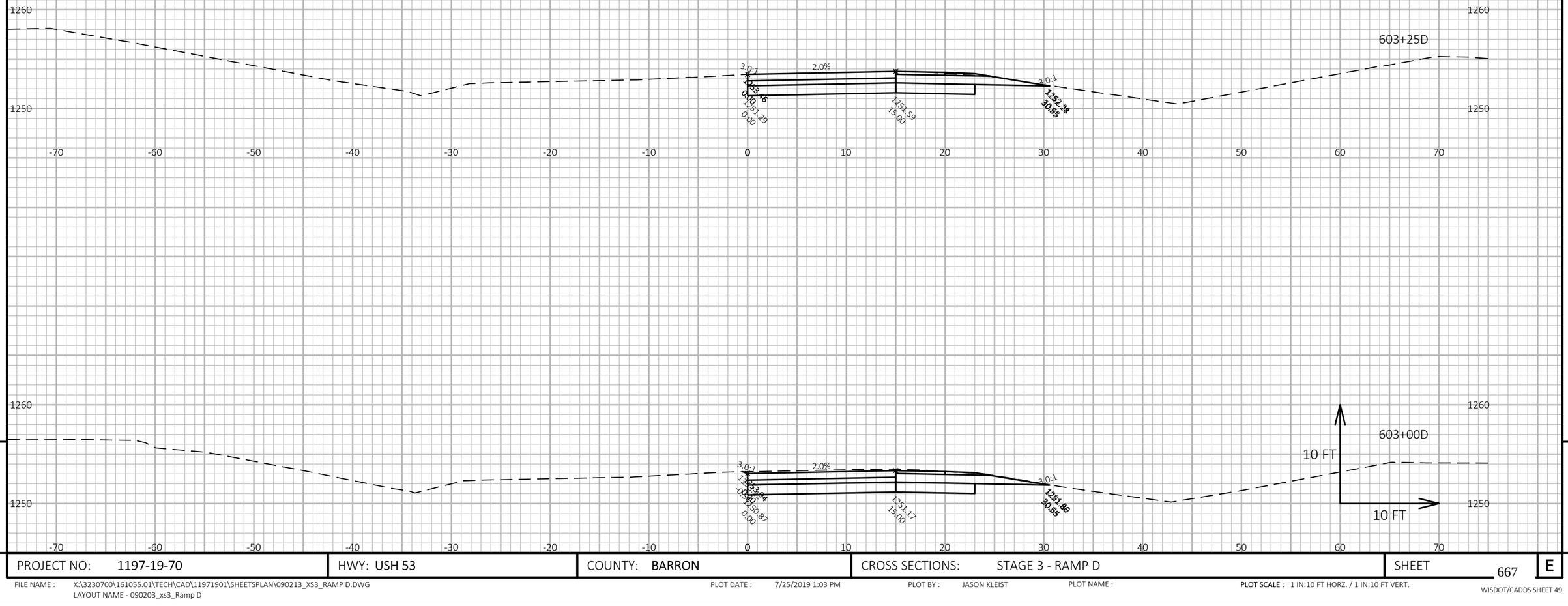
PLOT DATE : 7/25/2019 1:03 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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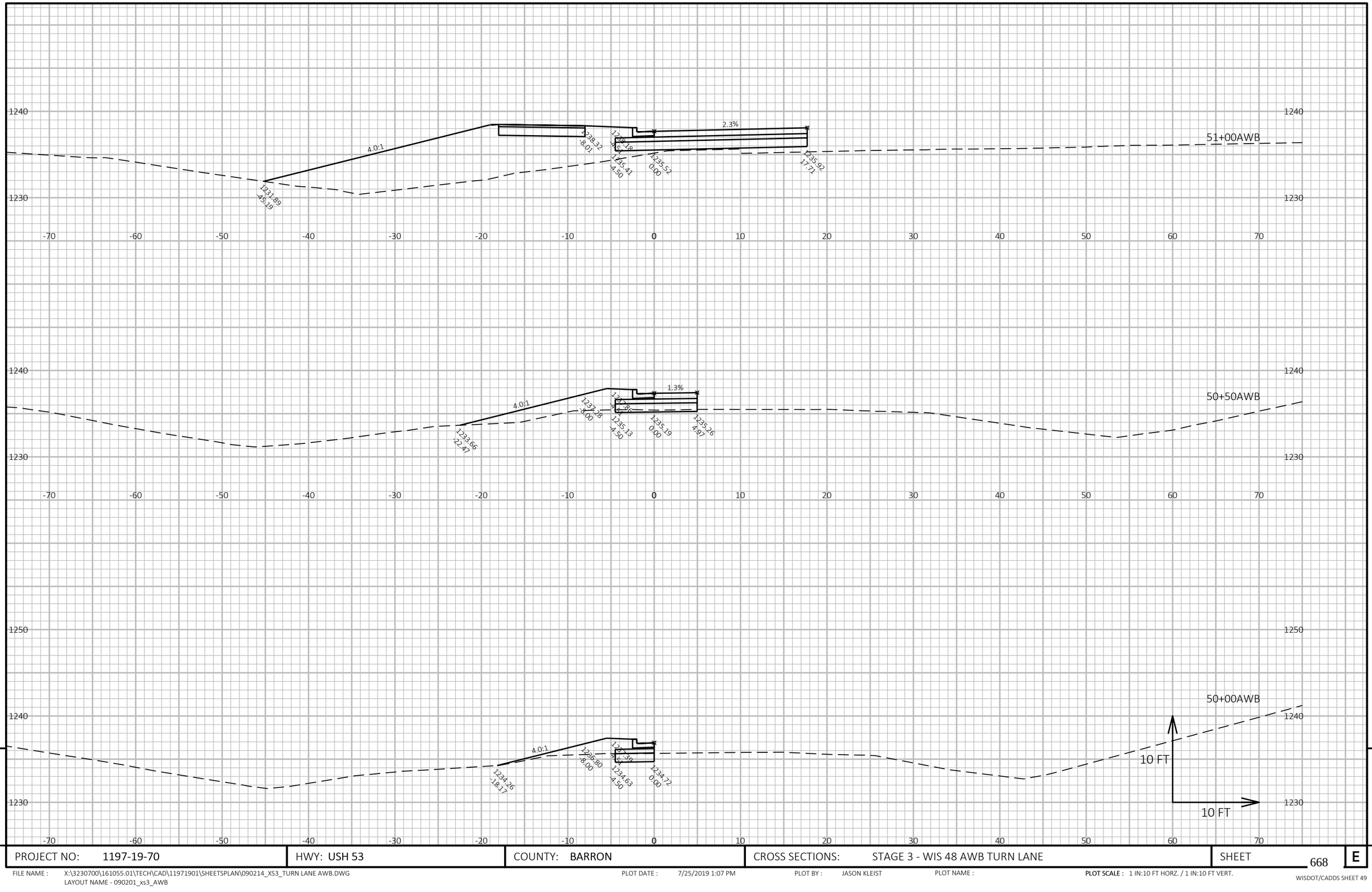
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - RAMP D	SHEET 667	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090213_XS3_RAMP D.DWG
LAYOUT NAME - 090203_xs3_Ramp D

PLOT DATE : 7/25/2019 1:03 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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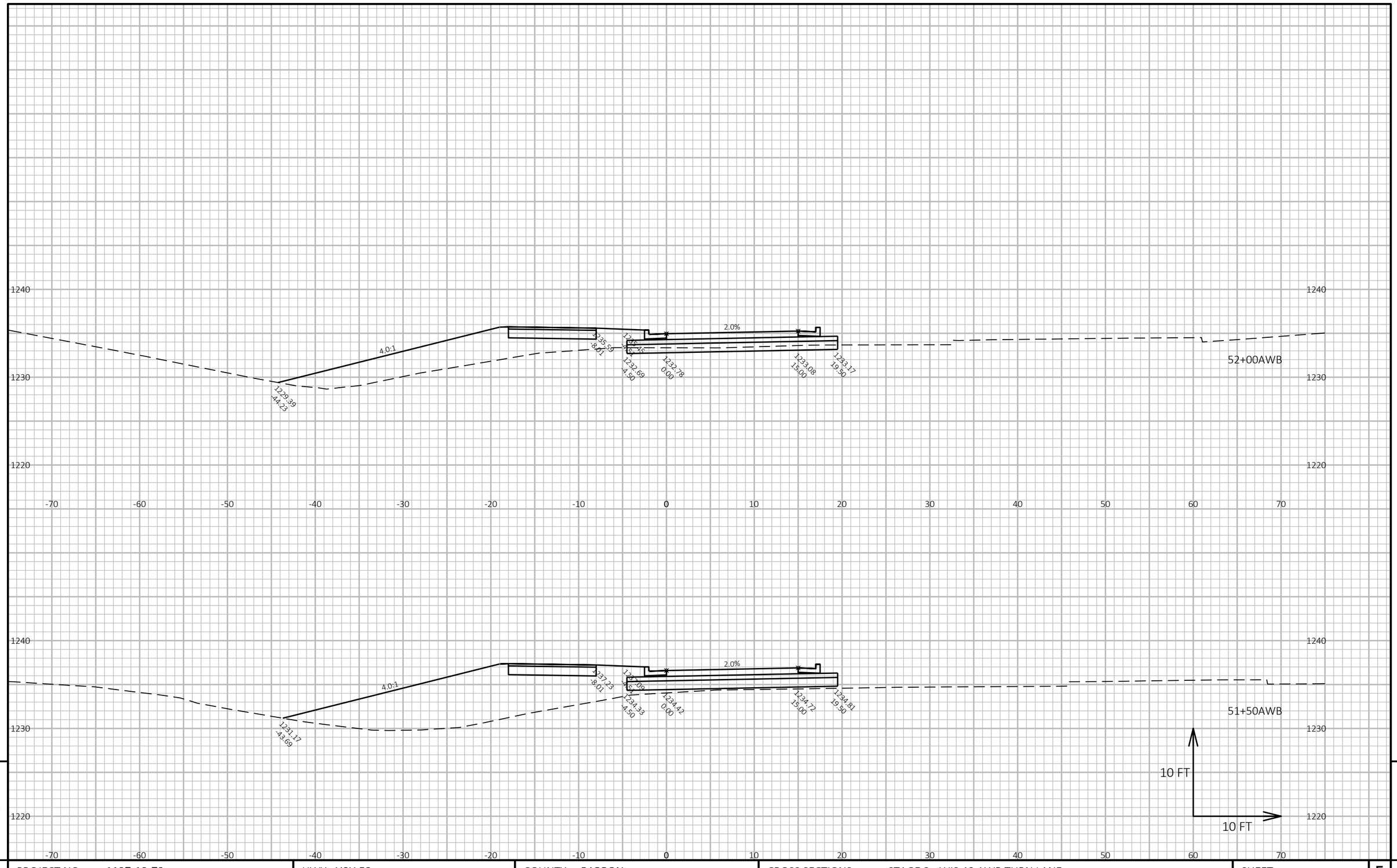
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WIS 48 AWB TURN LANE	SHEET 668	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090214_XS3_TURN LANE AWB.DWG
LAYOUT NAME - 090201_xs3_AWB

PLOT DATE : 7/25/2019 1:07 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WIS 48 AWB TURN LANE	SHEET 669	E

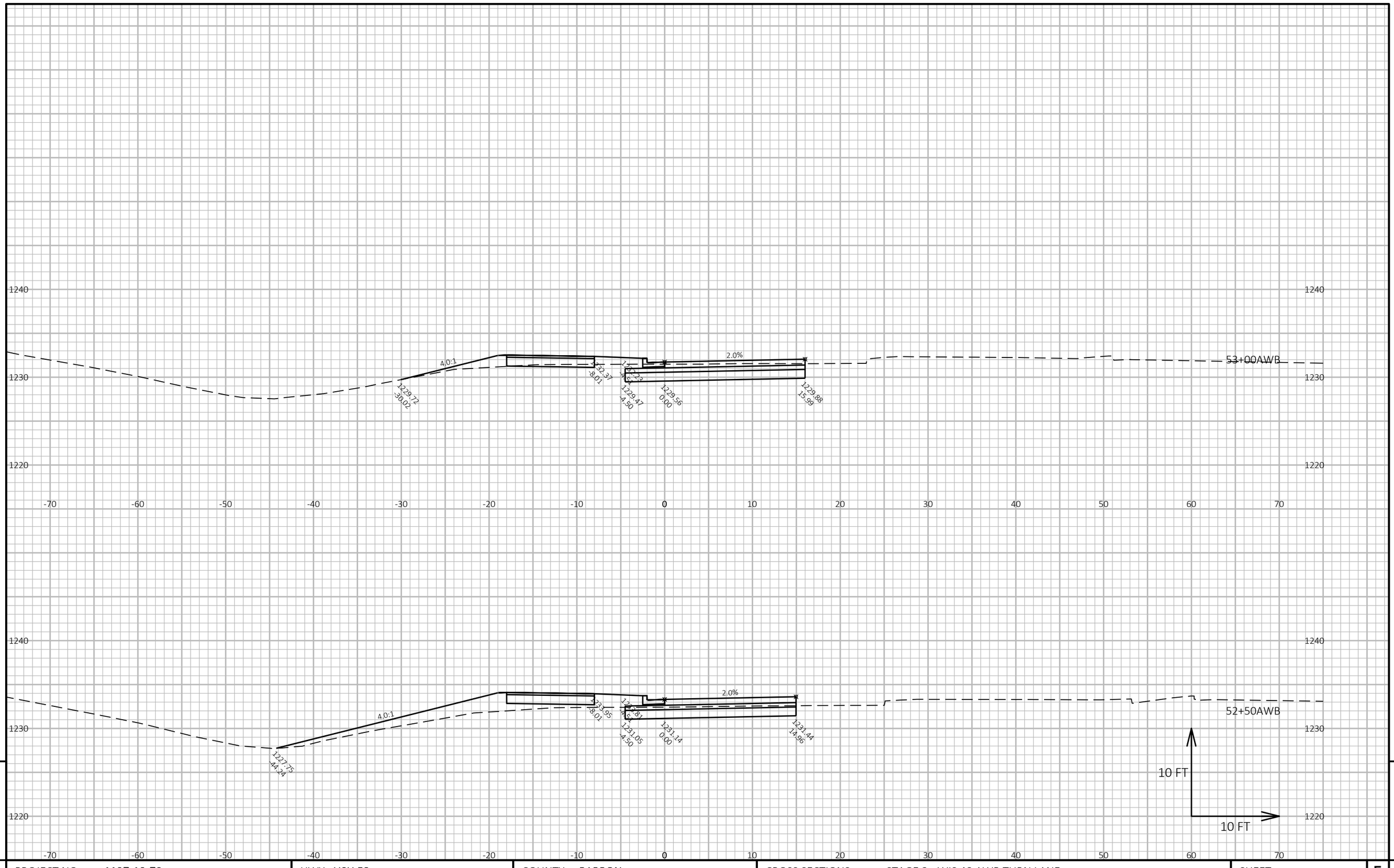
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090214_XS3_TURN LANE AWB.DWG
LAYOUT NAME - 090202_xs3_AWB

PLOT DATE : 7/25/2019 1:07 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WIS 48 AWB TURN LANE	SHEET 670	E

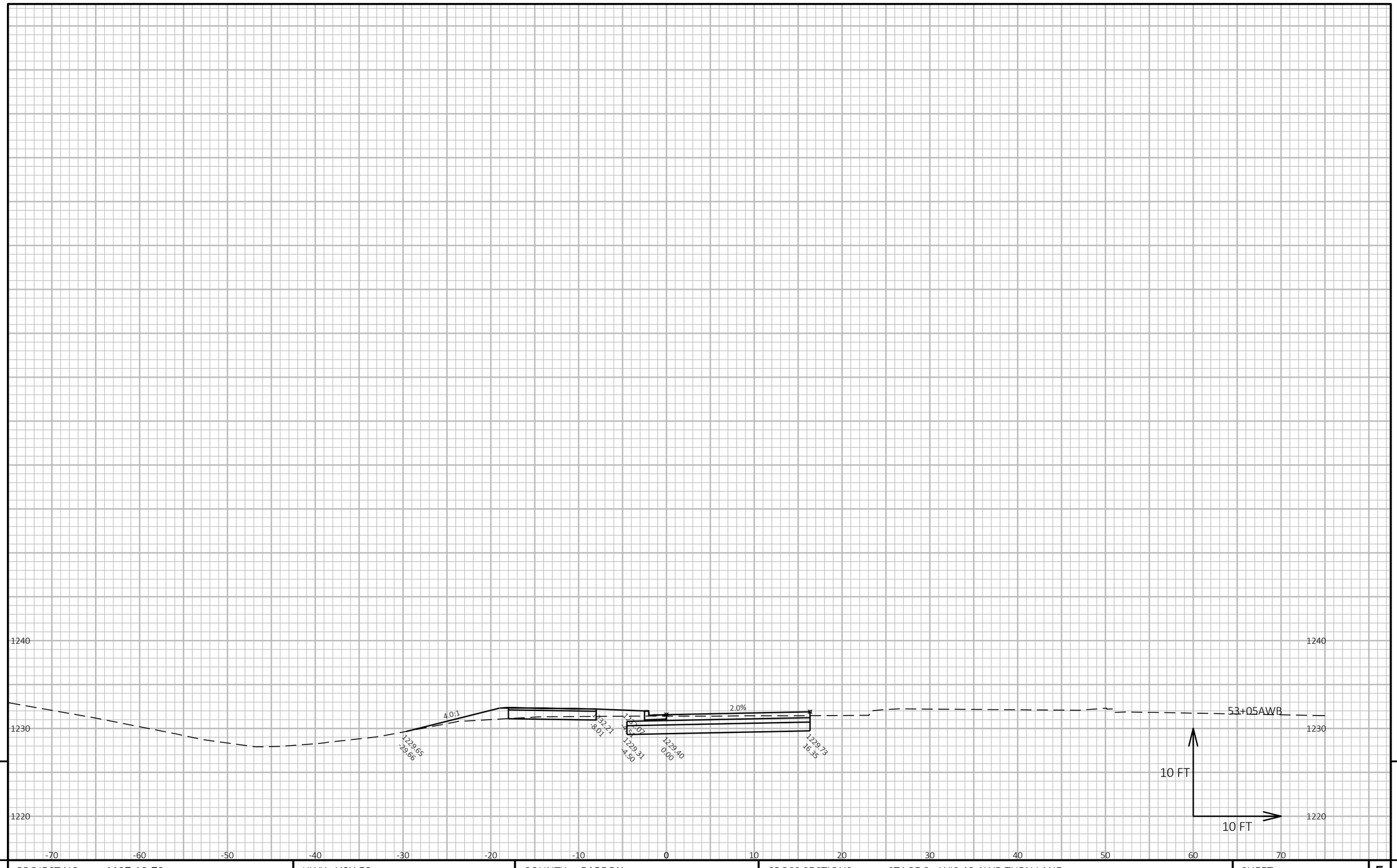
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090214_XS3_TURN LANE AWB.DWG
LAYOUT NAME - 090203_xs3_AWB

PLOT DATE : 7/25/2019 1:07 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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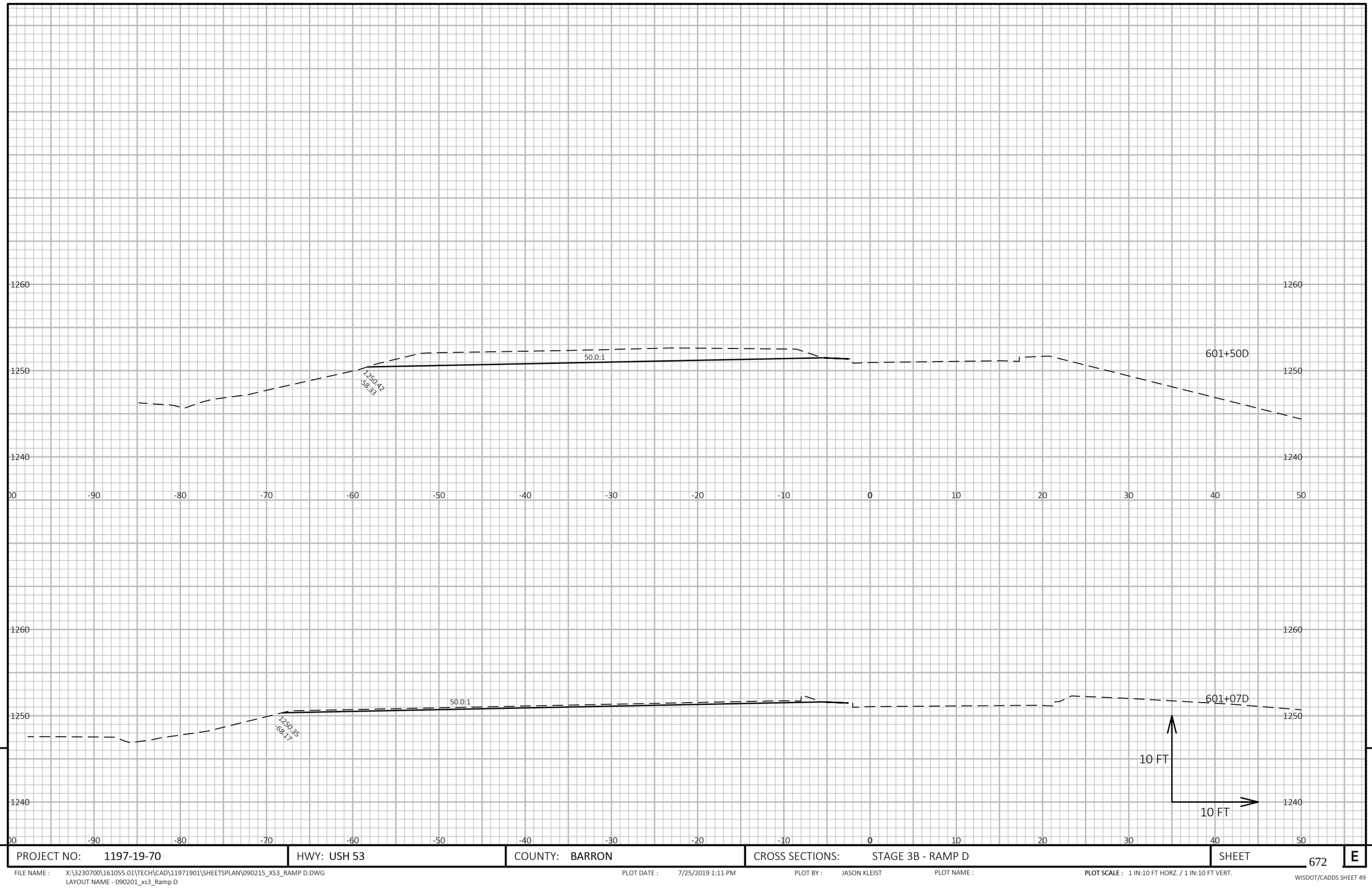
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3 - WIS 48 AWB TURN LANE	SHEET 671	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090214_XS3_TURN LANE AWB.DWG
LAYOUT NAME - 090204_xs3_AWB

PLOT DATE : 7/25/2019 1:07 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3B - RAMP D	SHEET 672	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090215_XS3_RAMP D.DWG
LAYOUT NAME - 090201_xs3_Ramp D

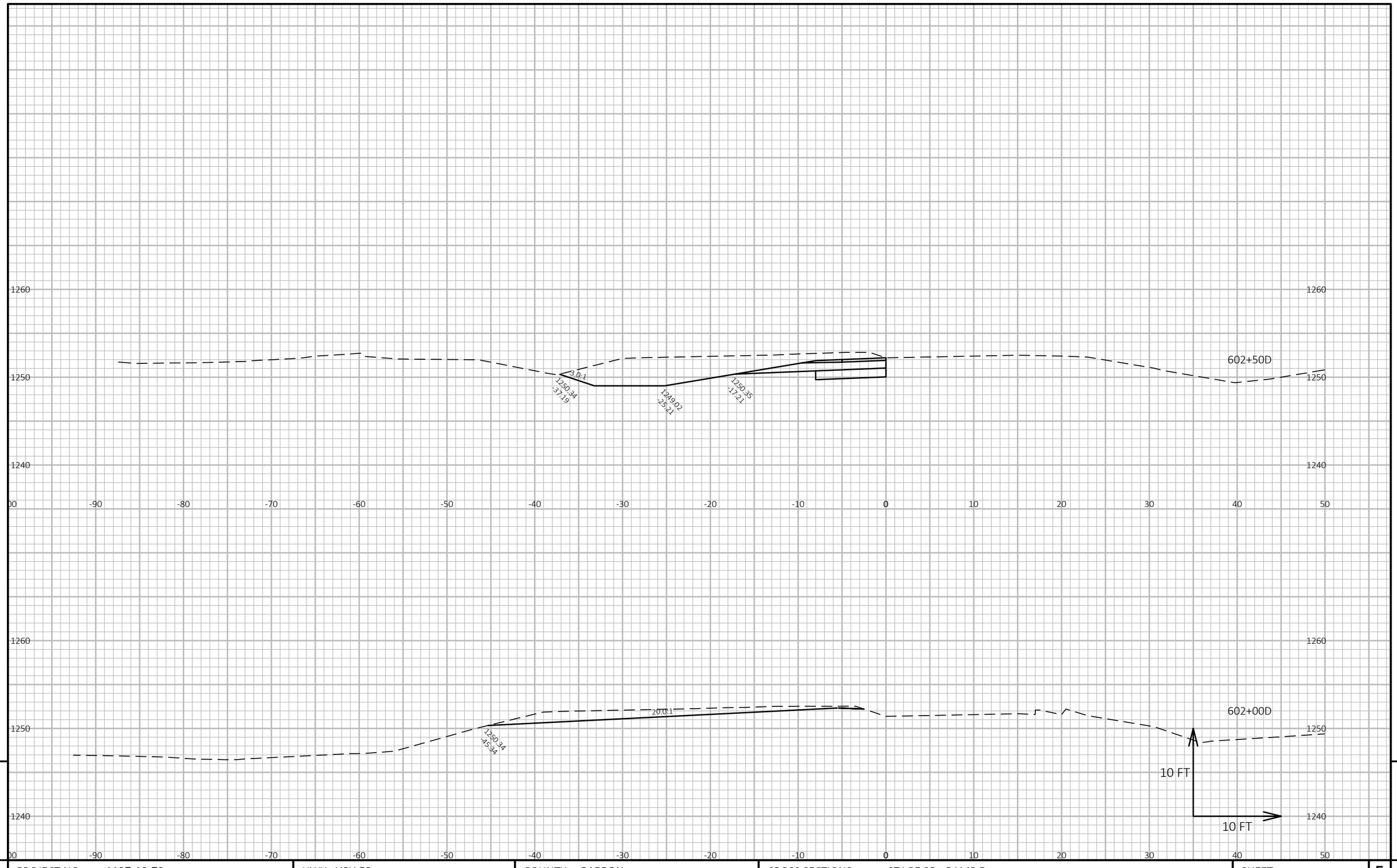
PLOT DATE : 7/25/2019 1:11 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3B - RAMP D	SHEET 673	E

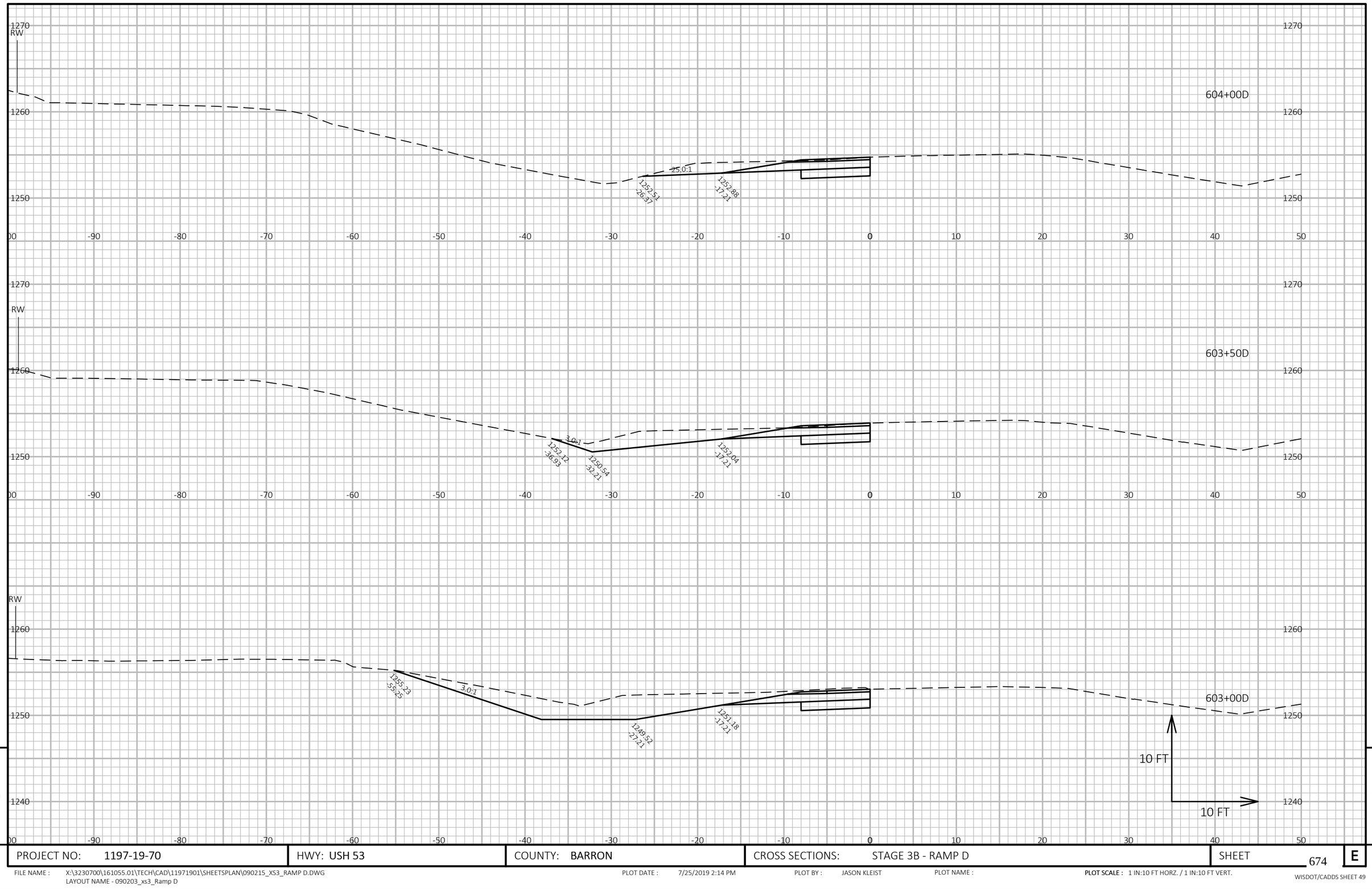
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090215_XS3_RAMP D.DWG
LAYOUT NAME - 090202_xs3_Ramp D

PLOT DATE : 7/25/2019 1:11 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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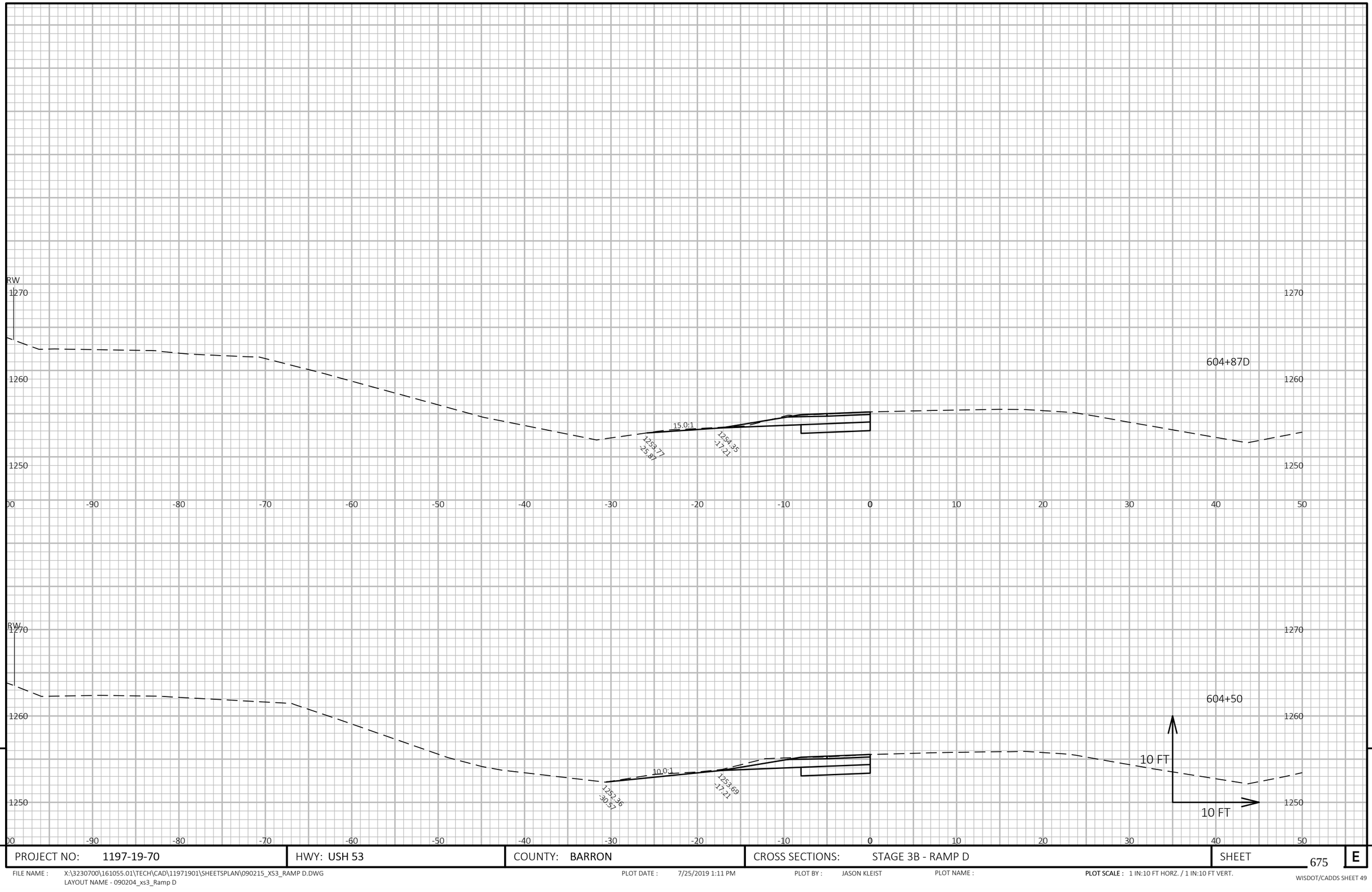
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3B - RAMP D	SHEET 674	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090215_XS3_RAMP D.DWG
LAYOUT NAME - 090203_xs3_Ramp D

PLOT DATE : 7/25/2019 2:14 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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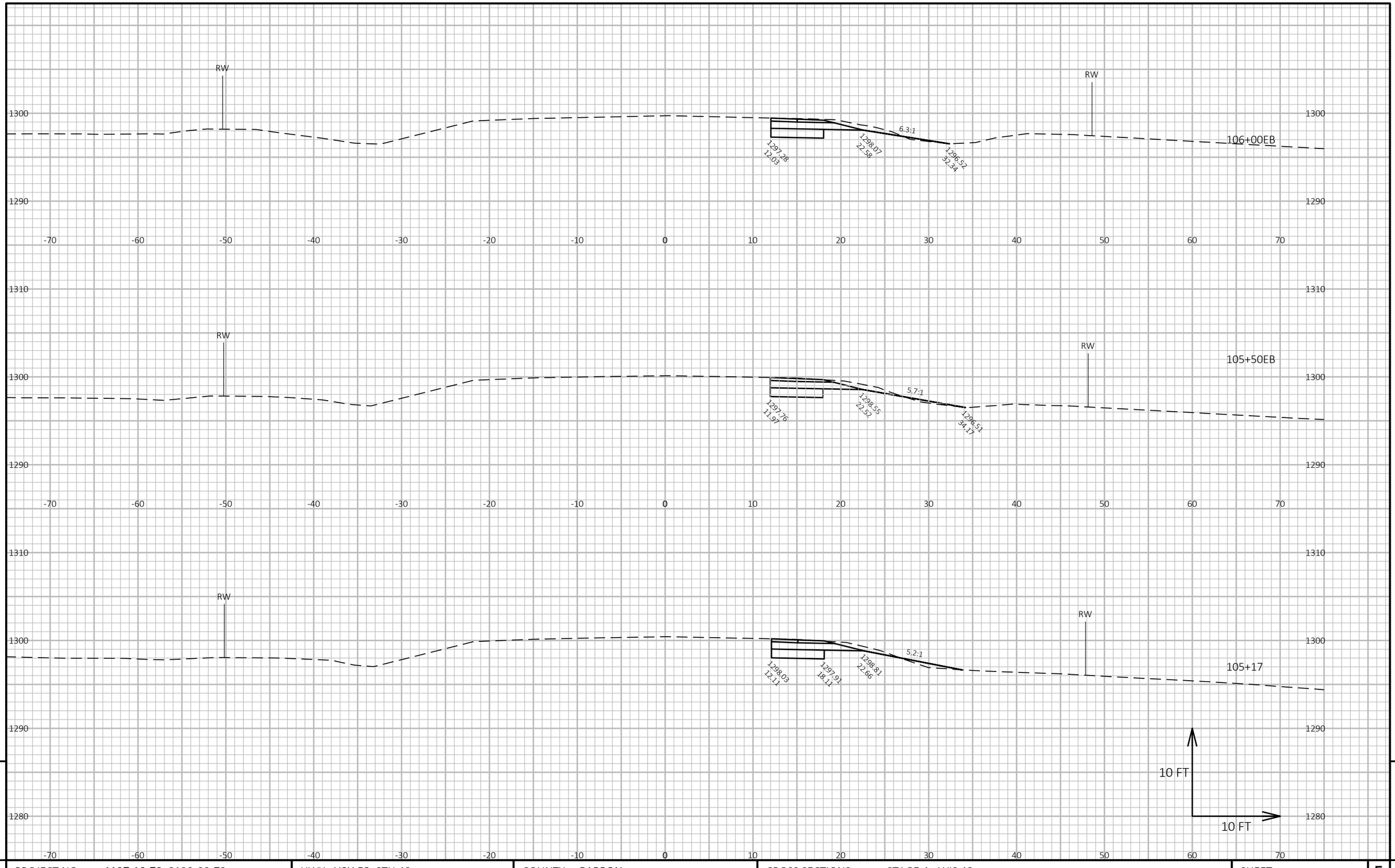
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 3B - RAMP D	SHEET 675	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090215_XS3_RAMP D.DWG
LAYOUT NAME - 090204_xs3_Ramp D

PLOT DATE : 7/25/2019 1:11 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 676	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090201_xs4_WIS 48

PLOT DATE : 7/25/2019 1:23 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

9

9

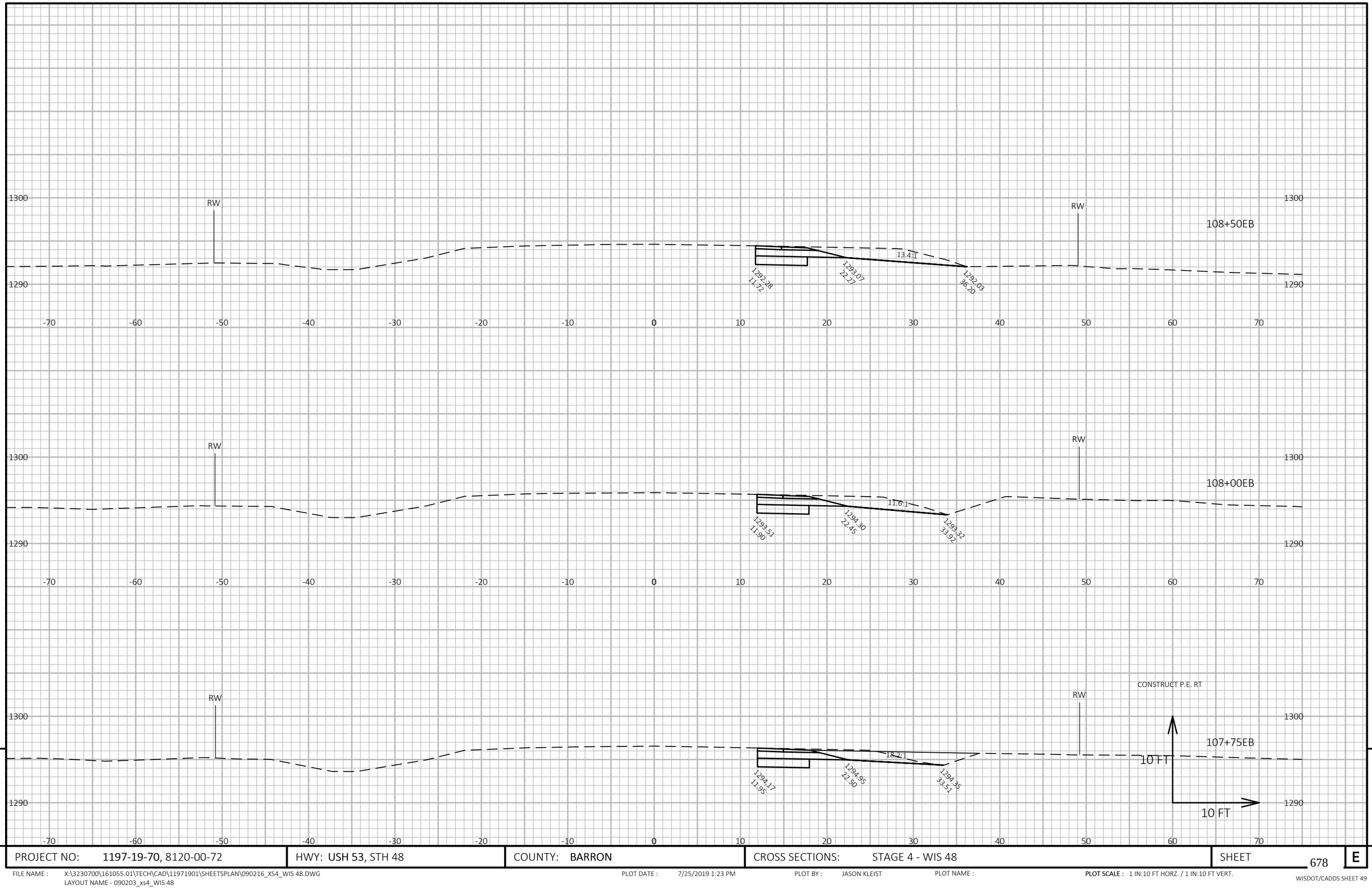
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 677	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090202_xs4_WIS 48

PLOT DATE : 7/25/2019 1:23 PM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 678	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090203_xs4_WIS 48

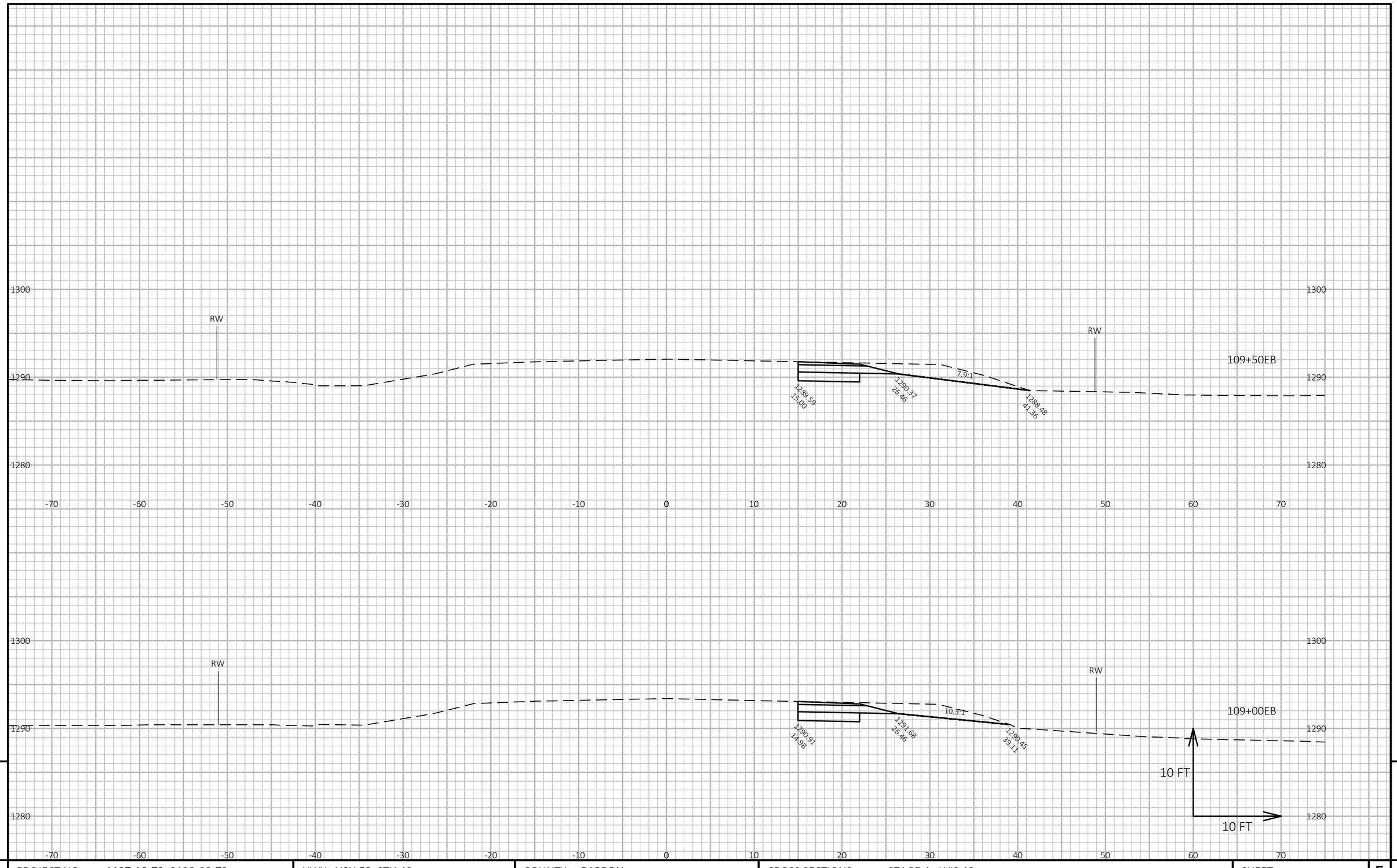
PLOT DATE : 7/25/2019 1:23 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 679	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090204_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM

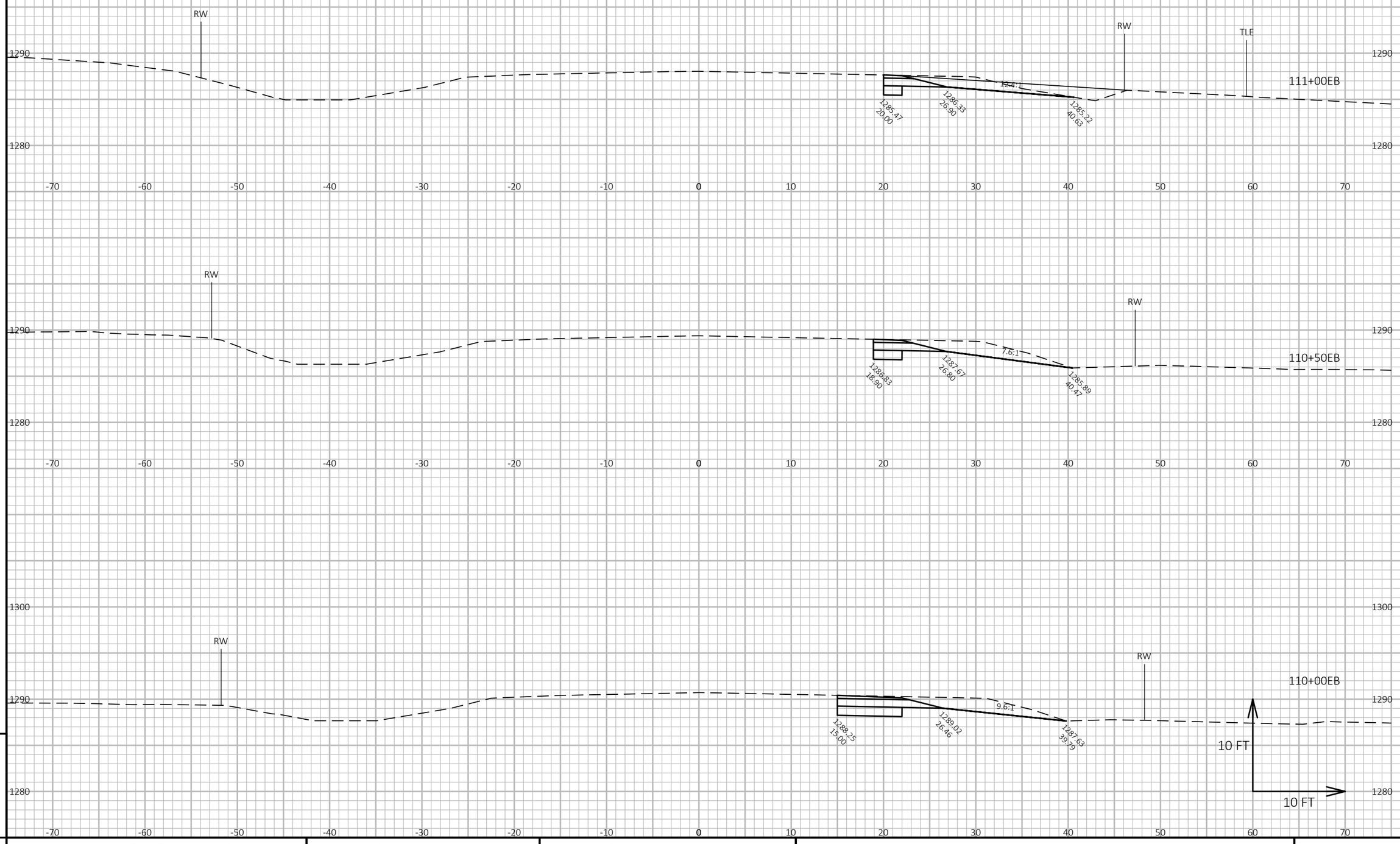
PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONSTRUCT C.E. RT



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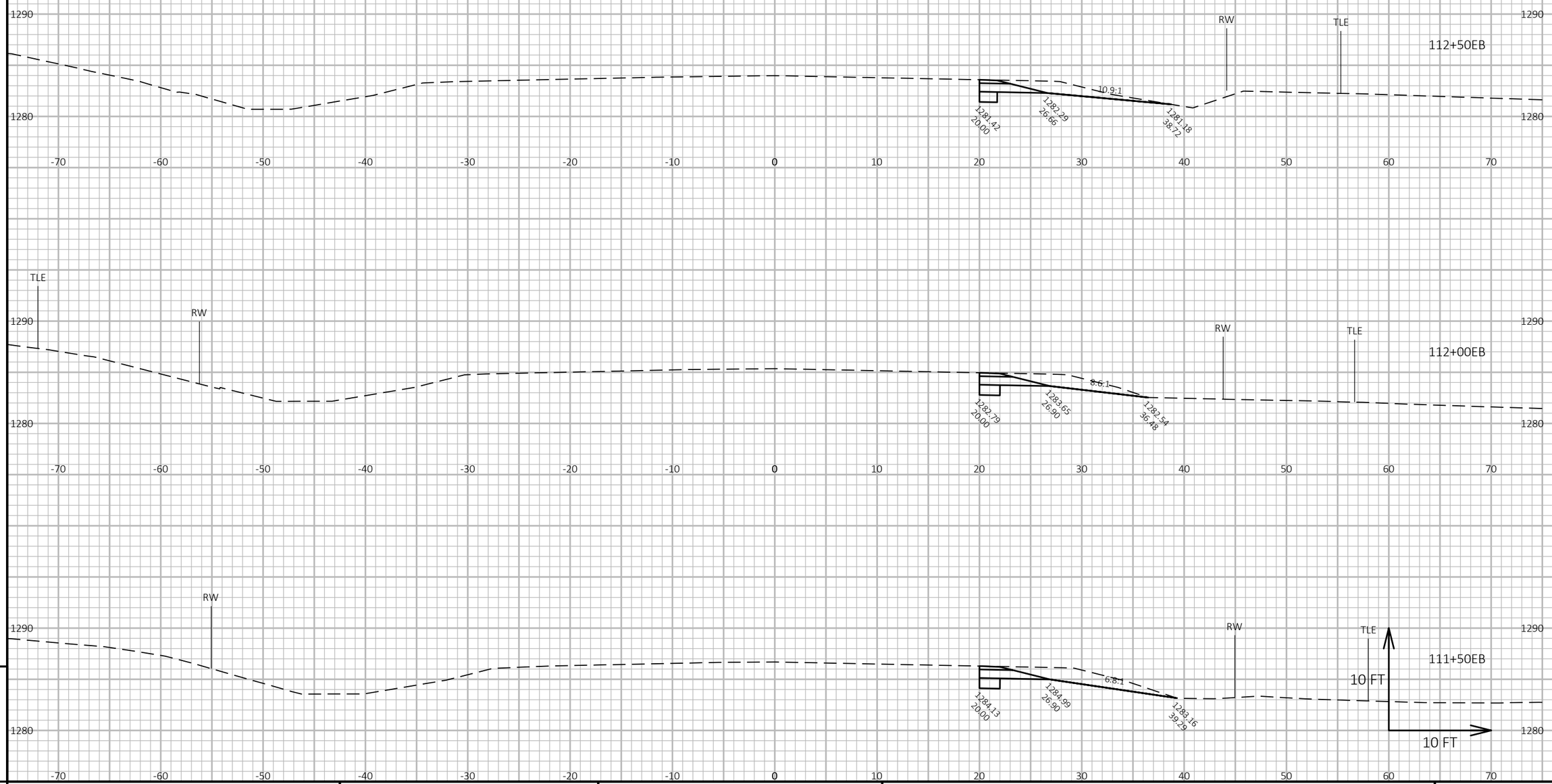
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 680	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090205_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 681	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090206_xs4_WIS 48

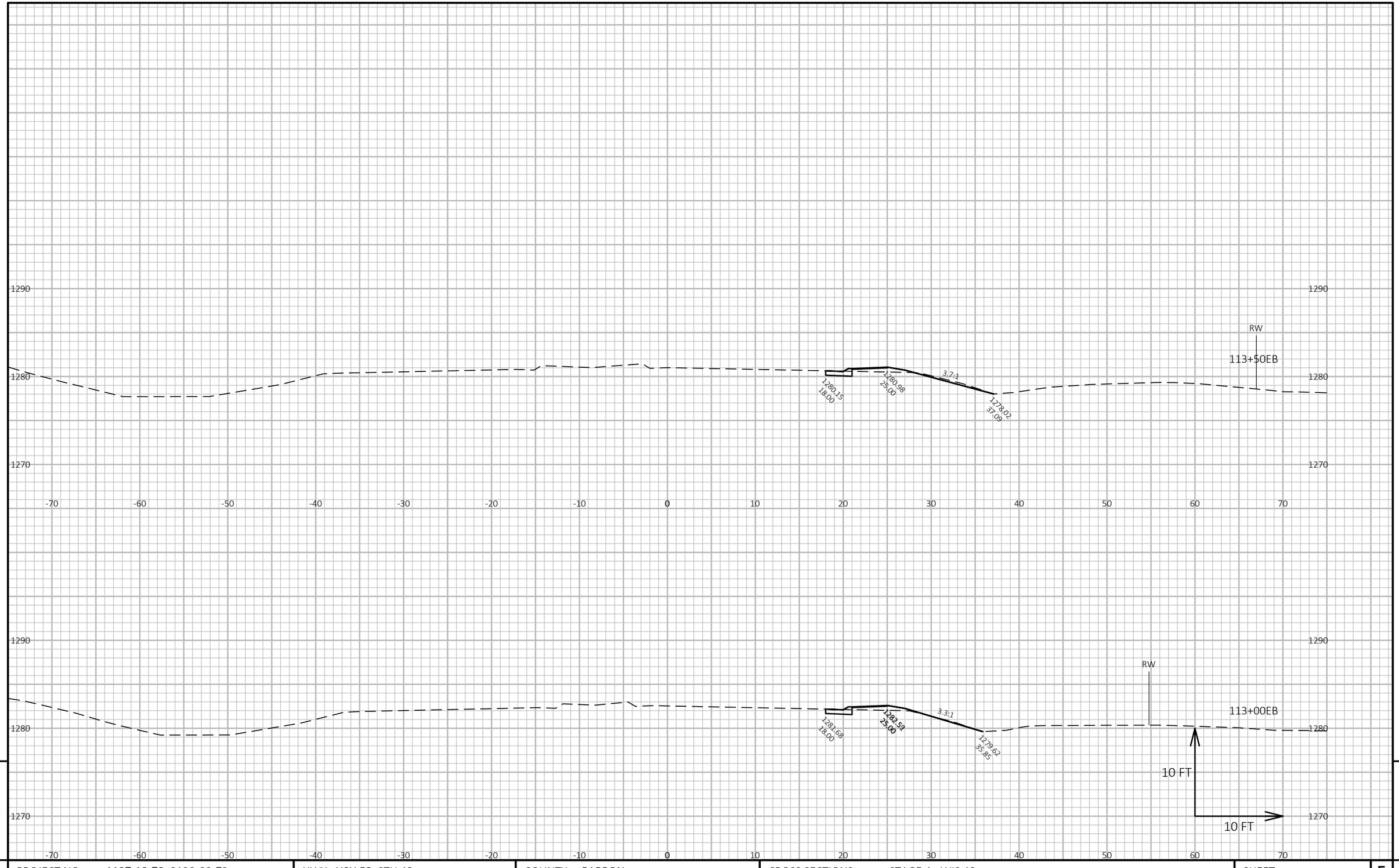
PLOT DATE : 7/25/2019 1:24 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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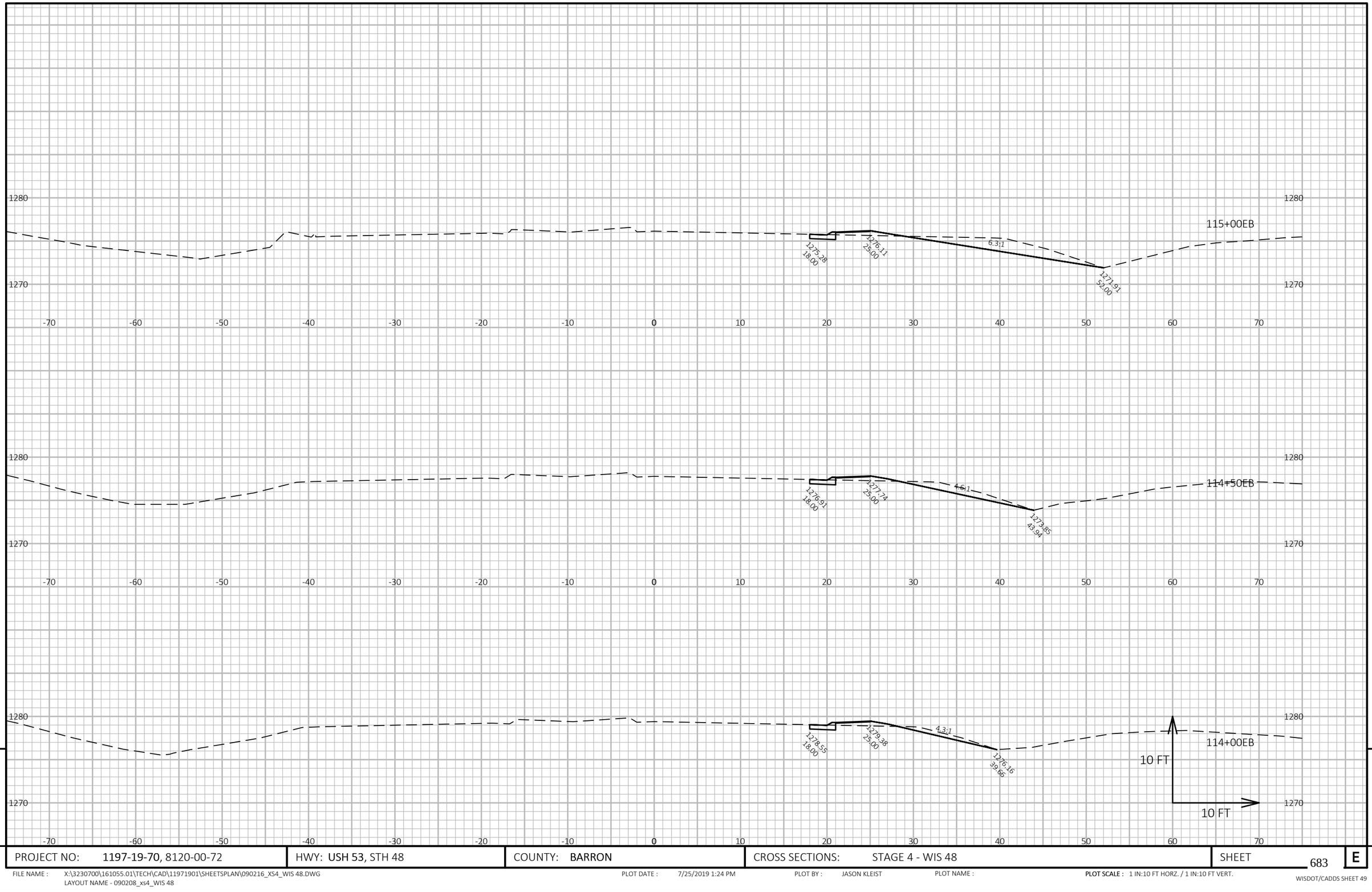
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 682	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090207_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 683	E

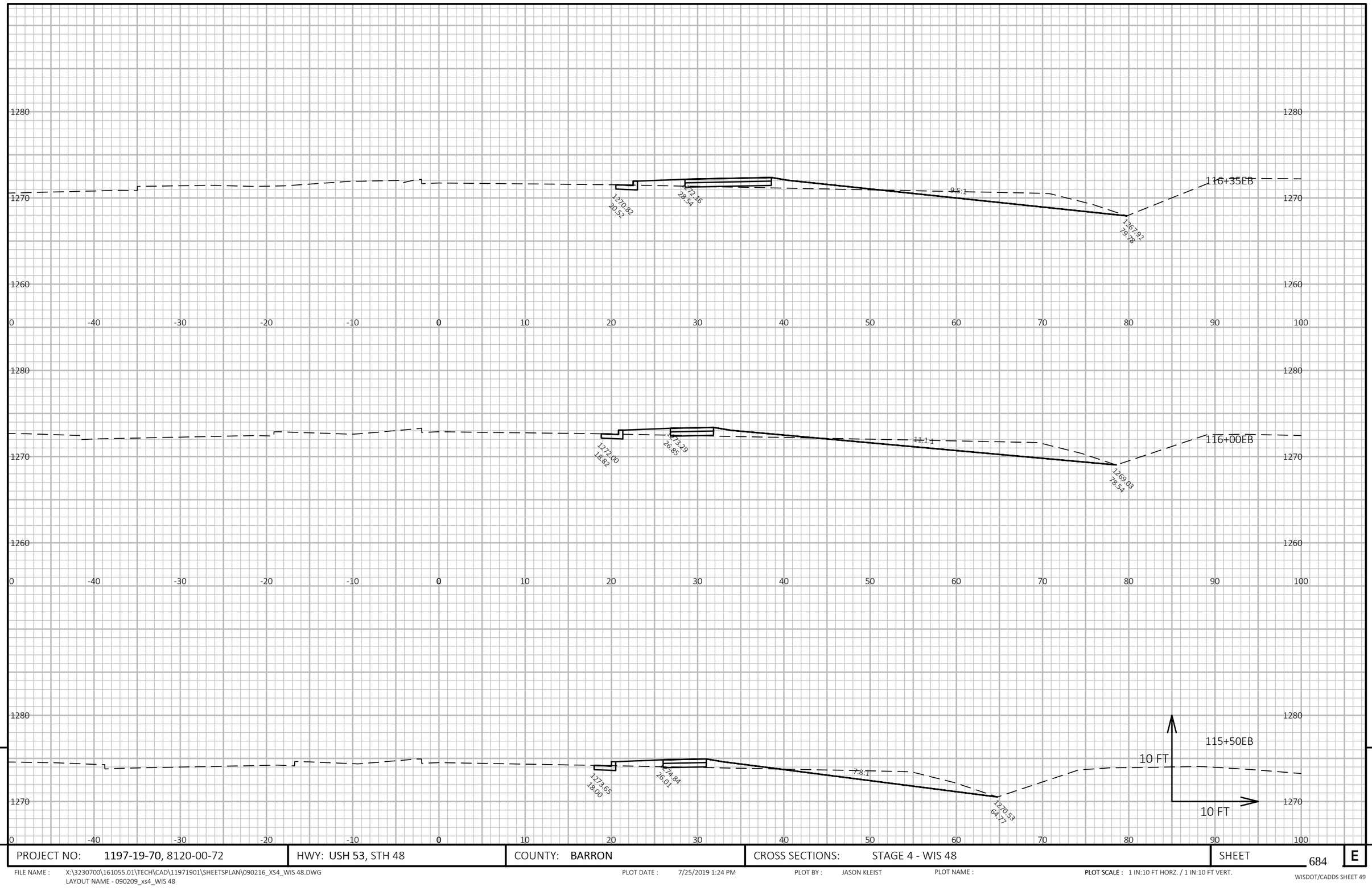
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090208_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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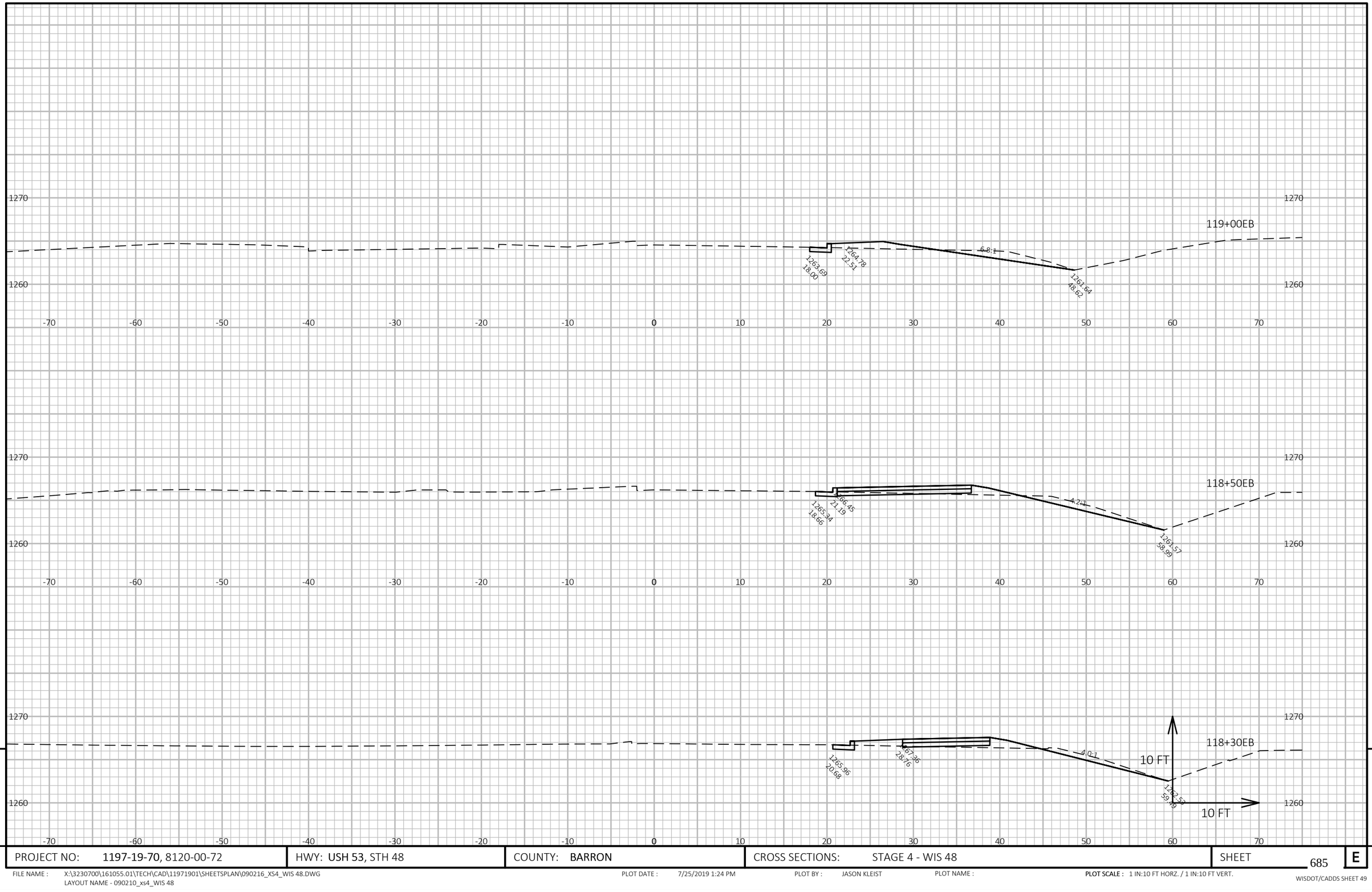
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 684	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090209_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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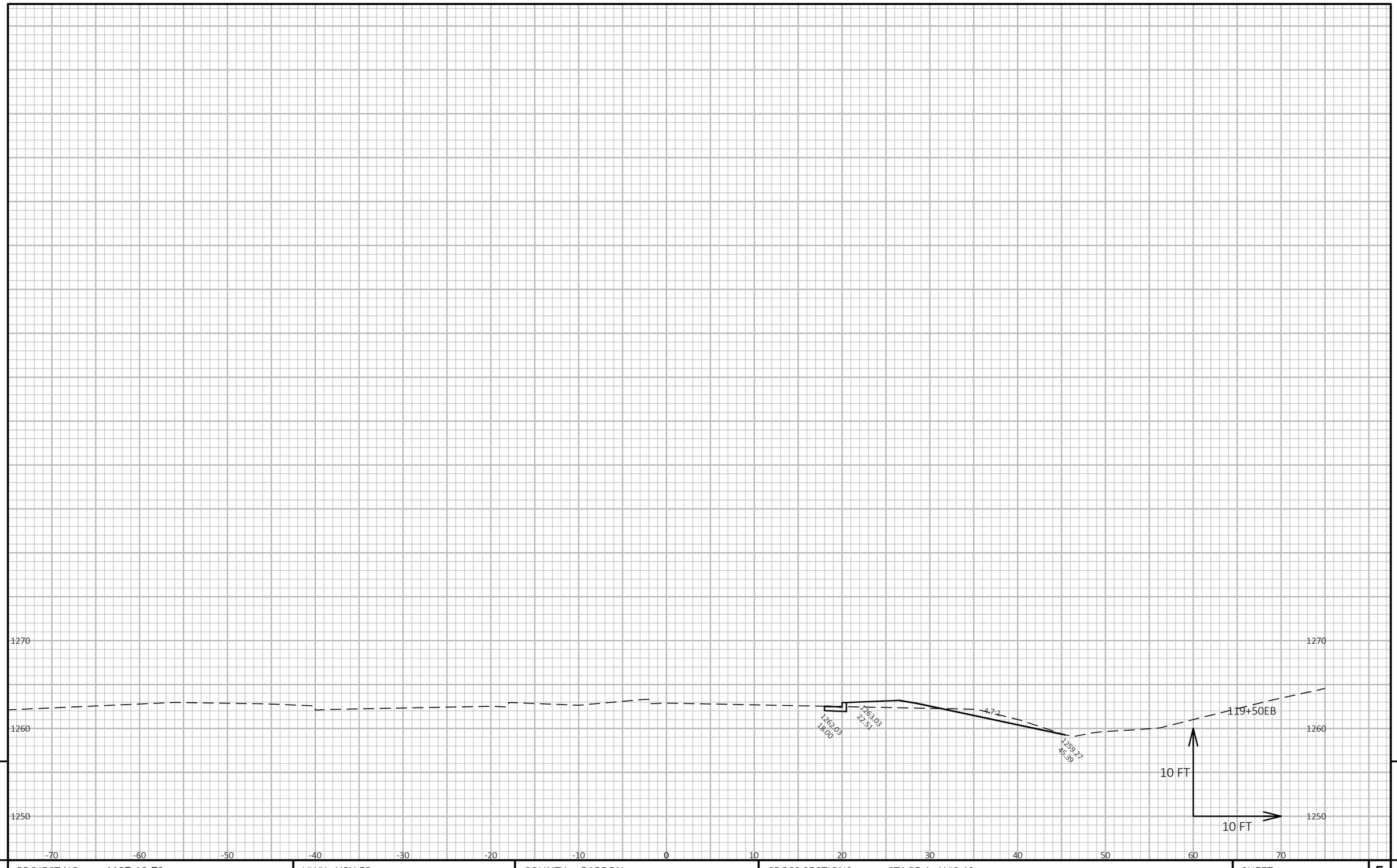
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 685	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090210_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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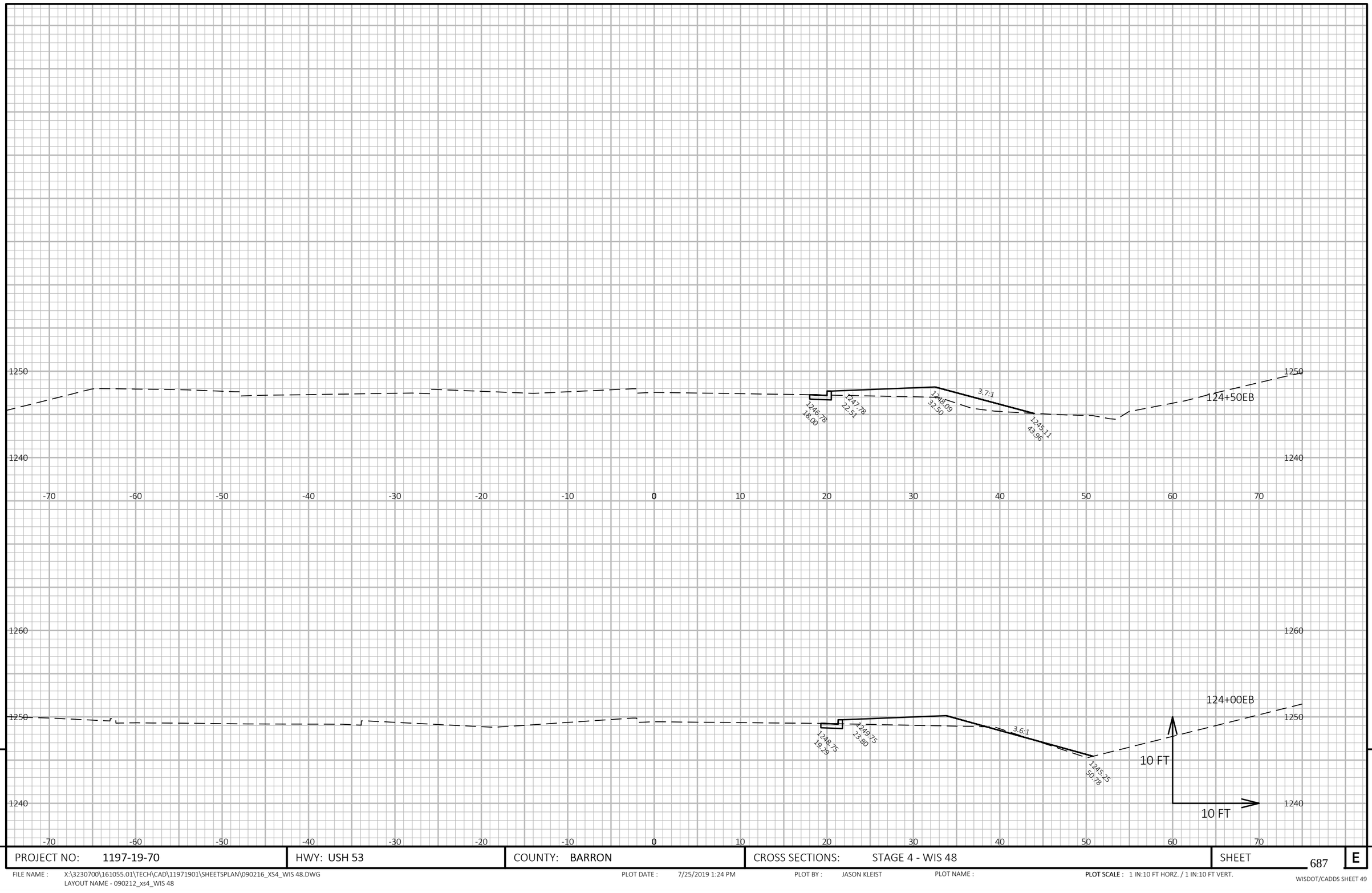
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 686	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090211_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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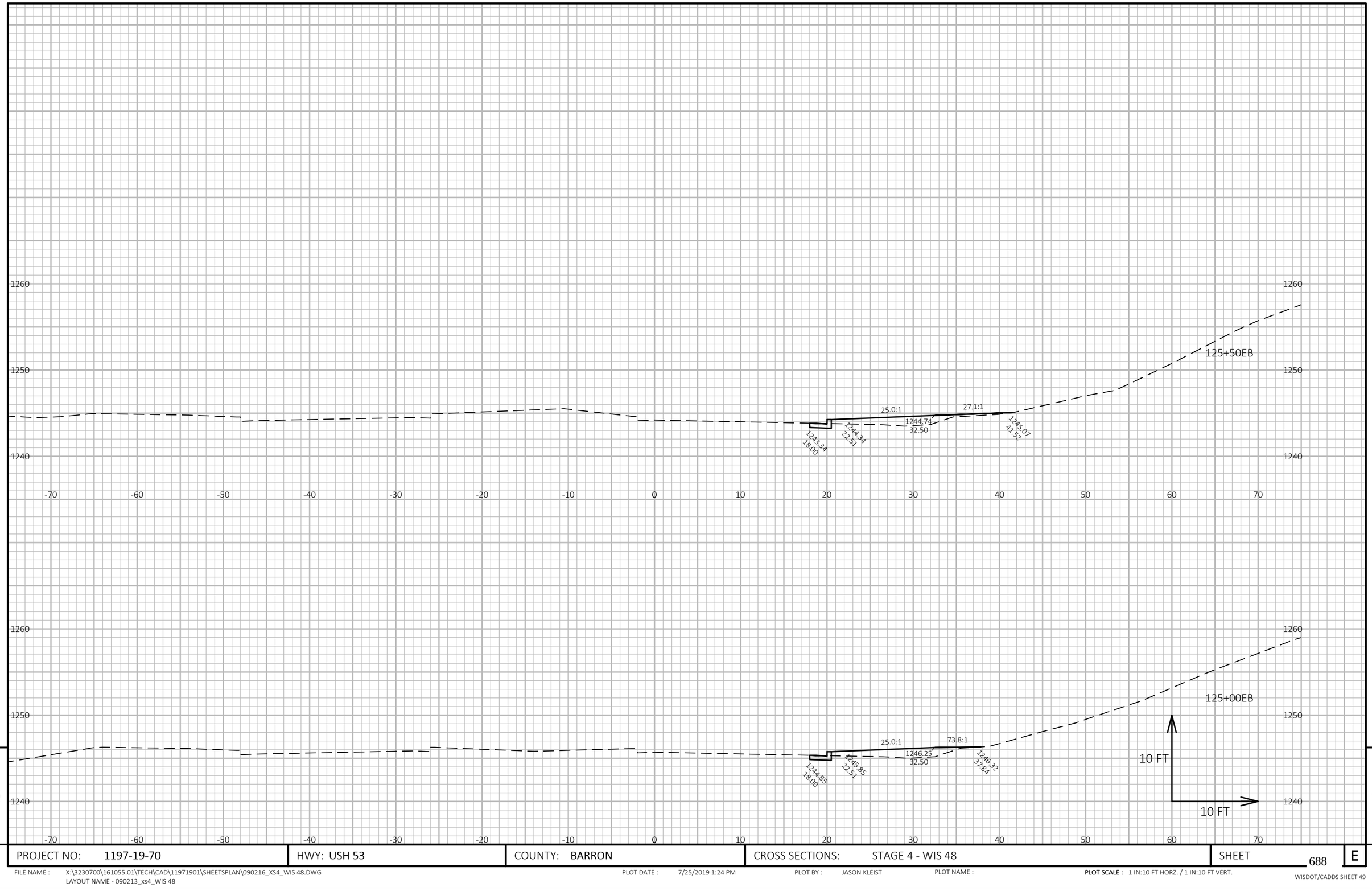
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 687	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090212_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 688	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090213_xs4_WIS 48

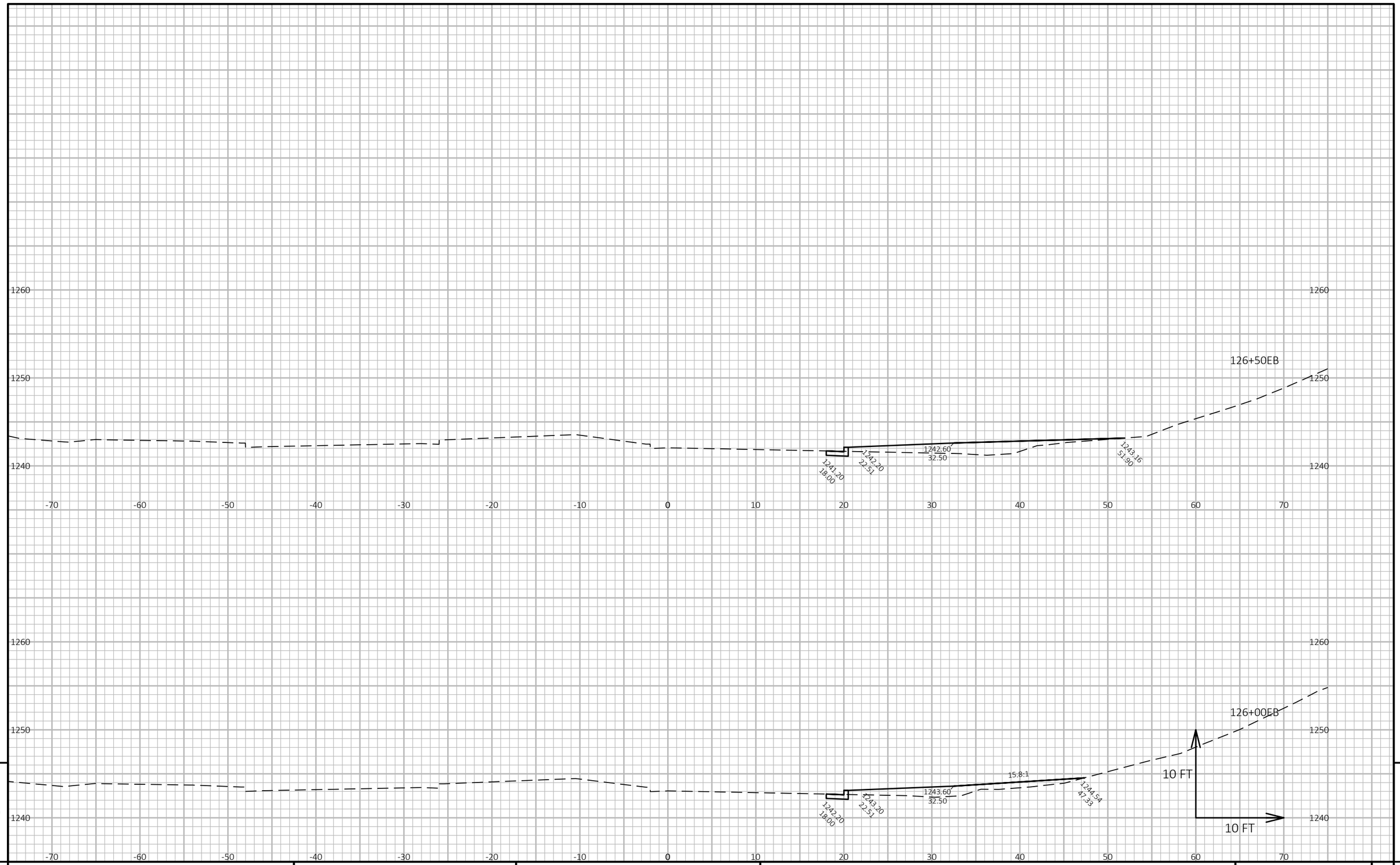
PLOT DATE : 7/25/2019 1:24 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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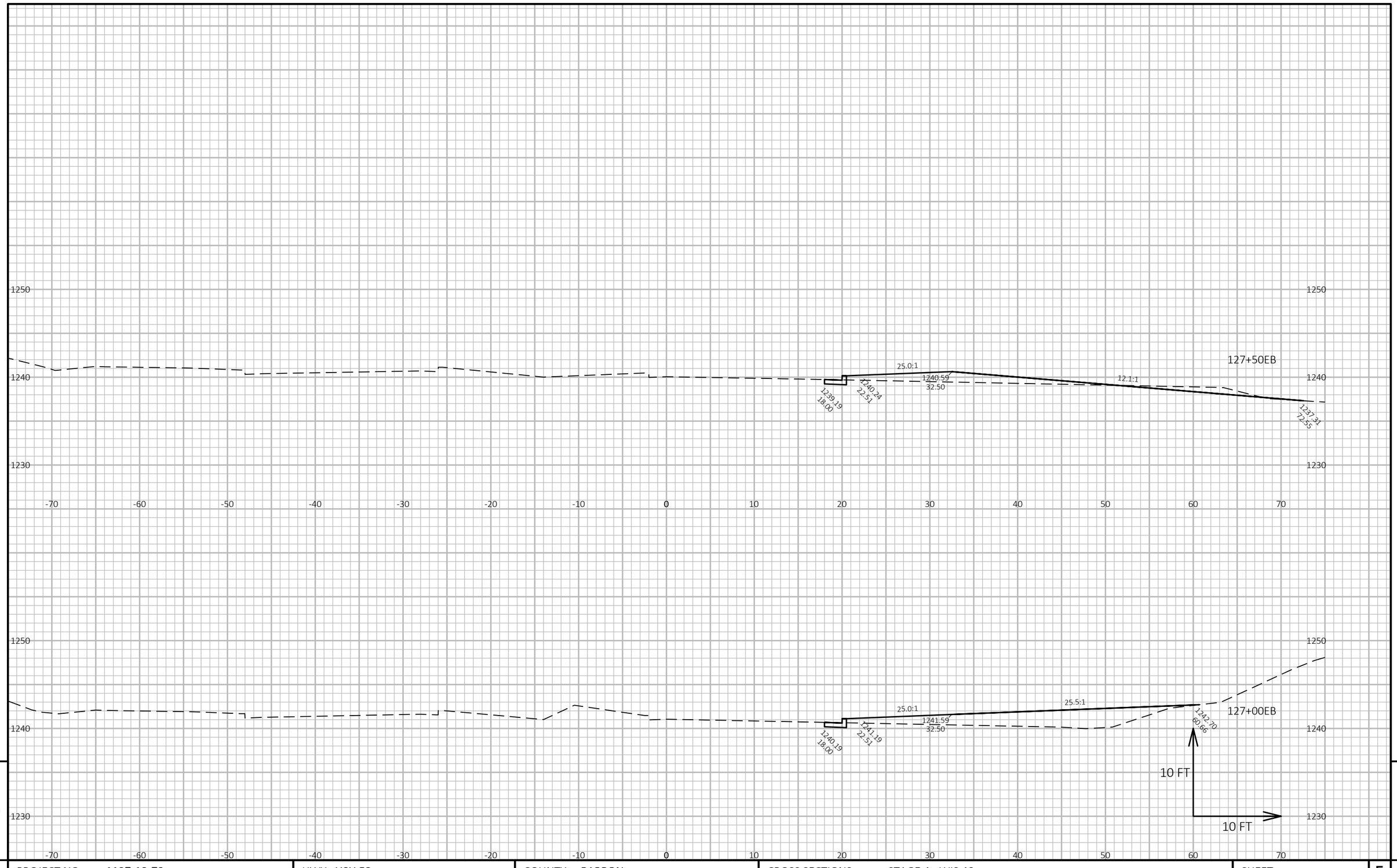
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 689	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090214_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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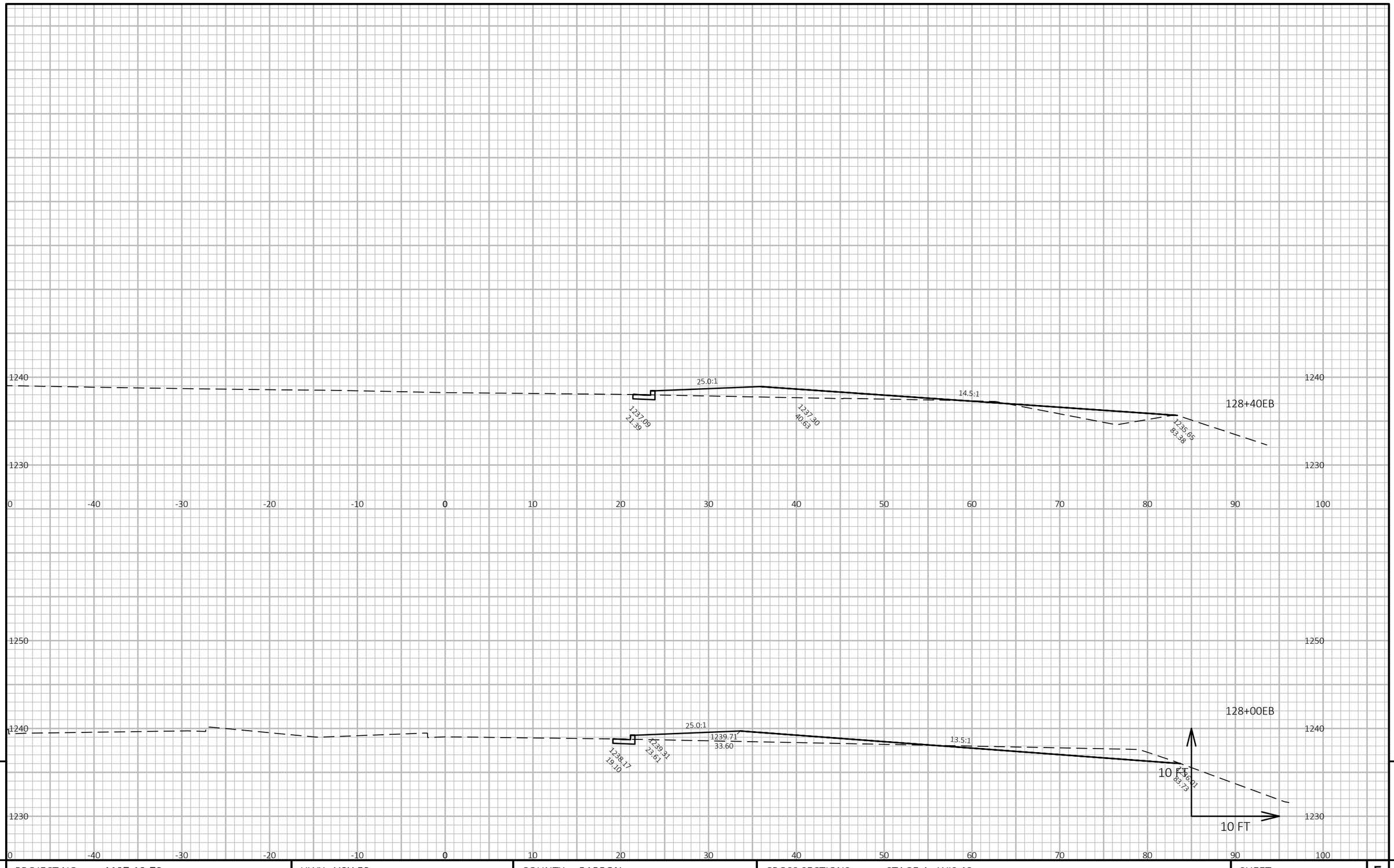
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 690	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090215_xs4_WIS 48

PLOT DATE : 7/25/2019 1:24 PM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 691	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090216_xs4_WIS 48

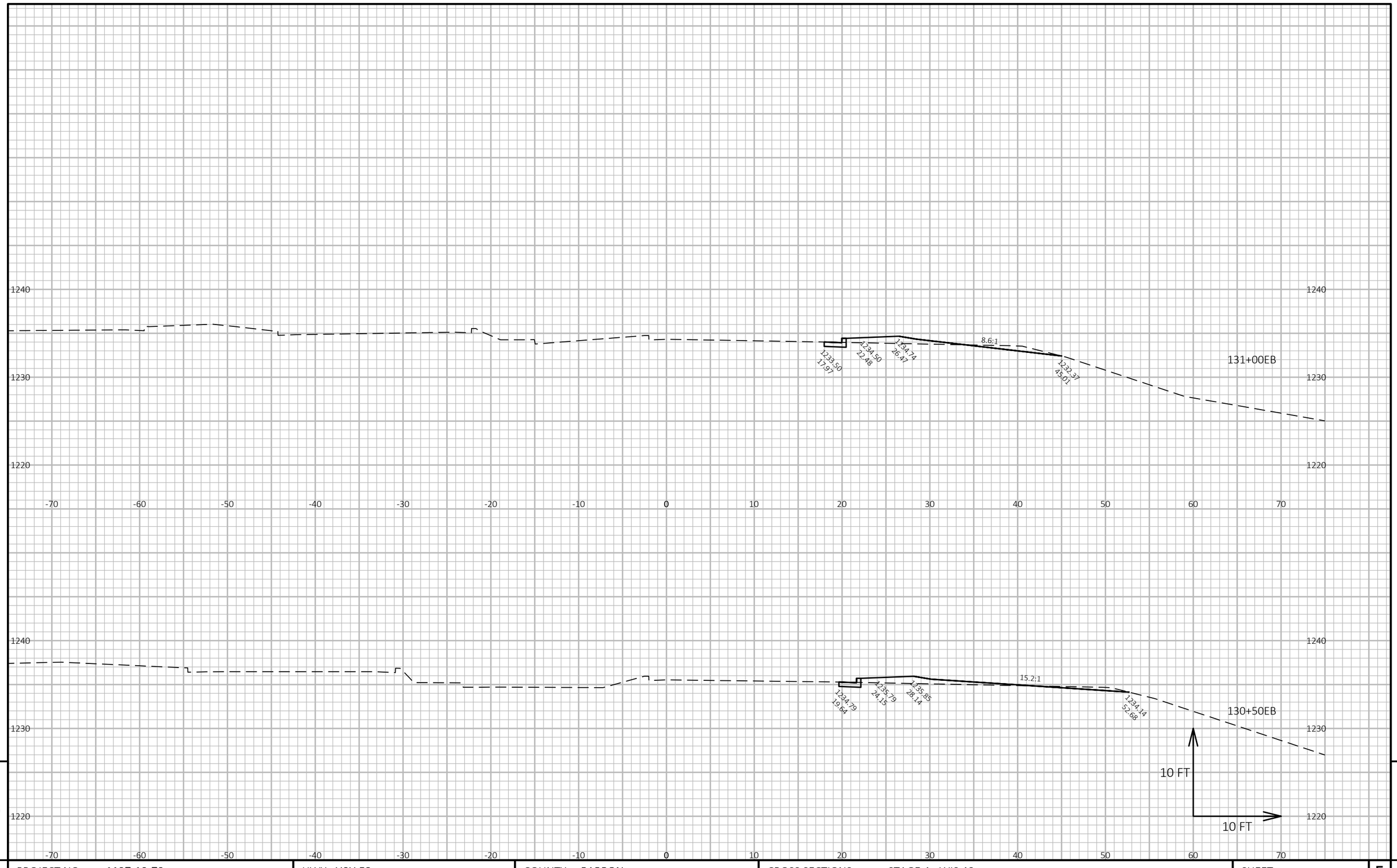
PLOT DATE : 7/25/2019 1:25 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 692	E

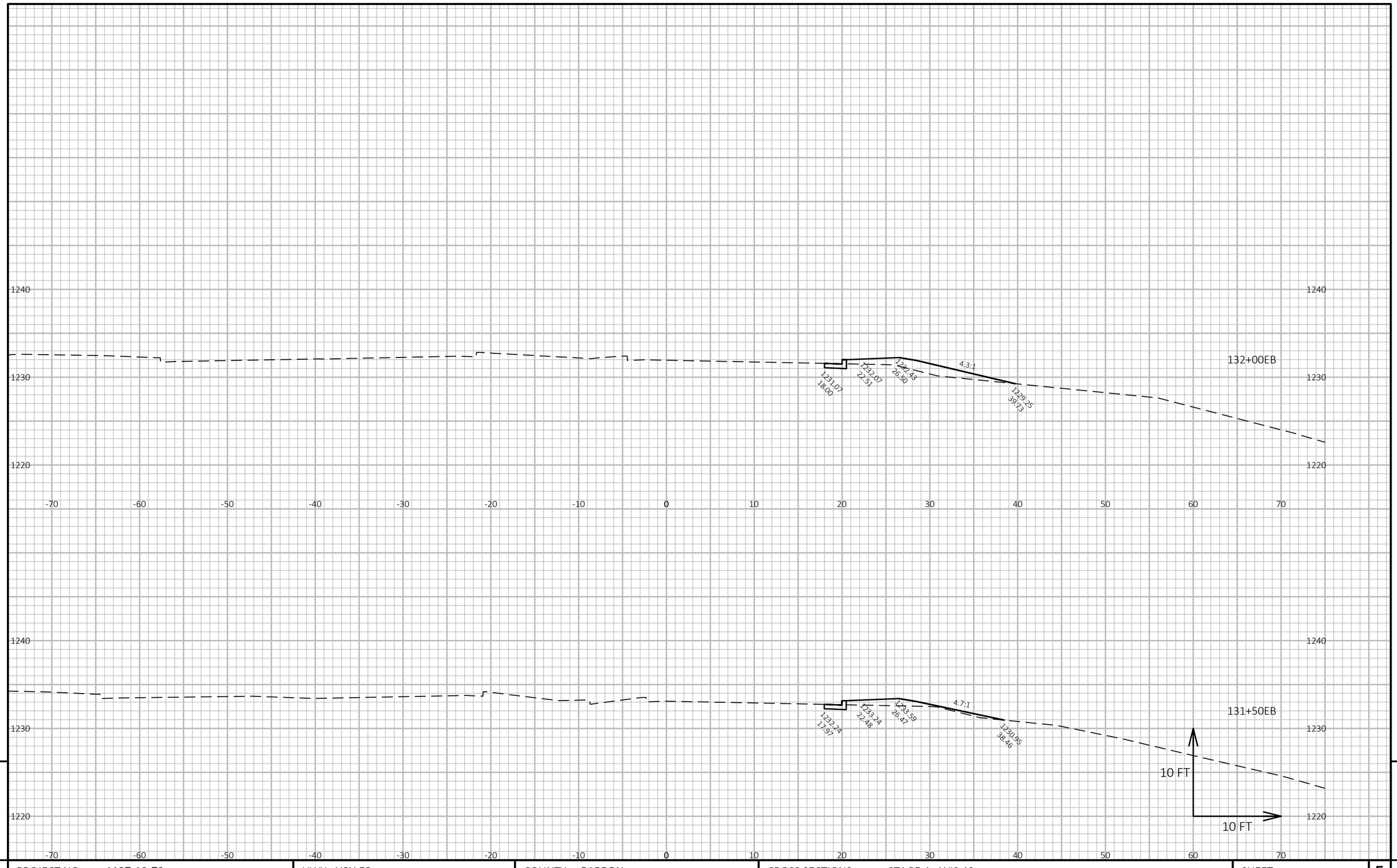
FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090217_xs4_WIS 48

PLOT DATE : 7/25/2019 1:25 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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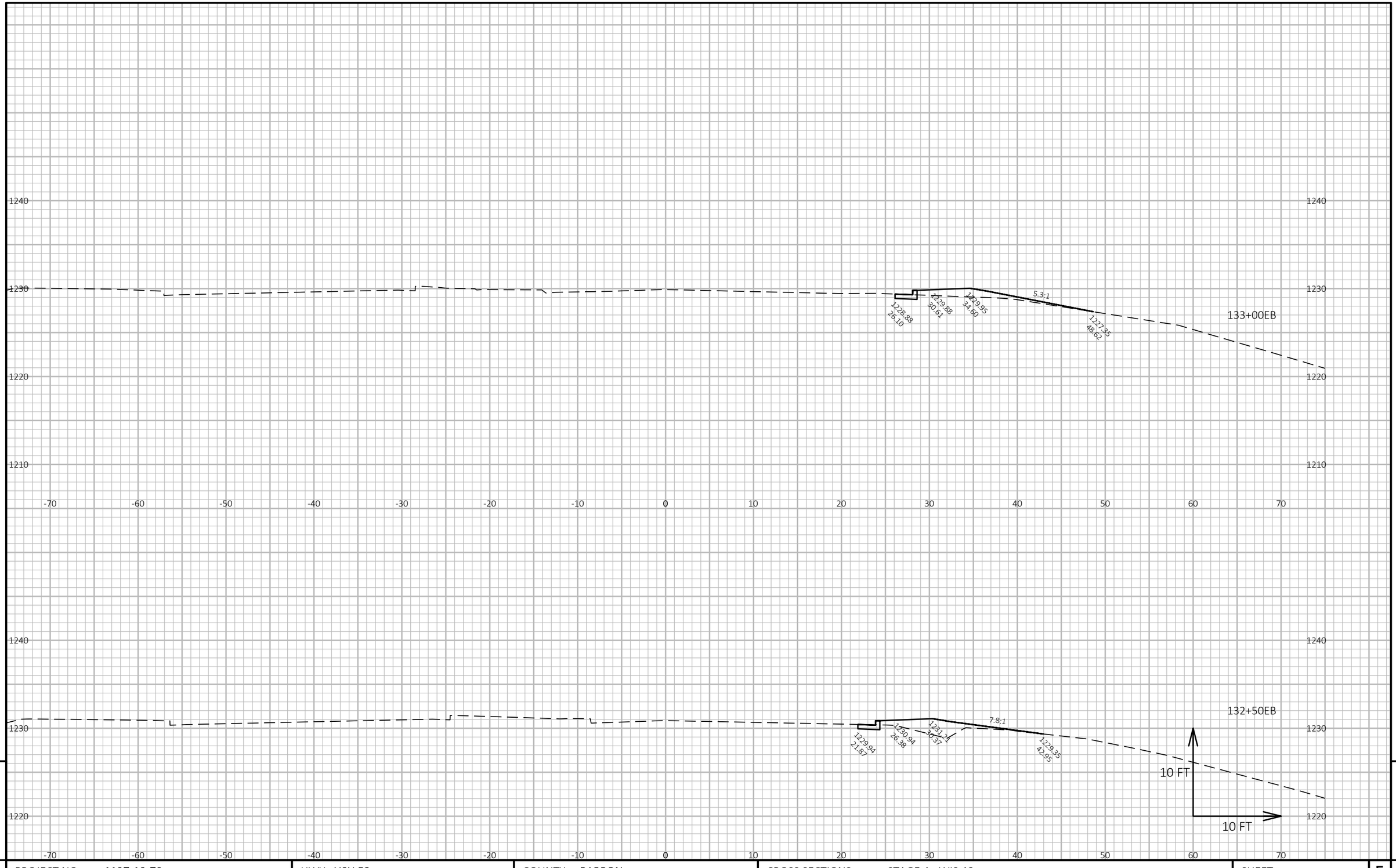
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 693	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090218_xs4_WIS 48

PLOT DATE : 7/25/2019 1:25 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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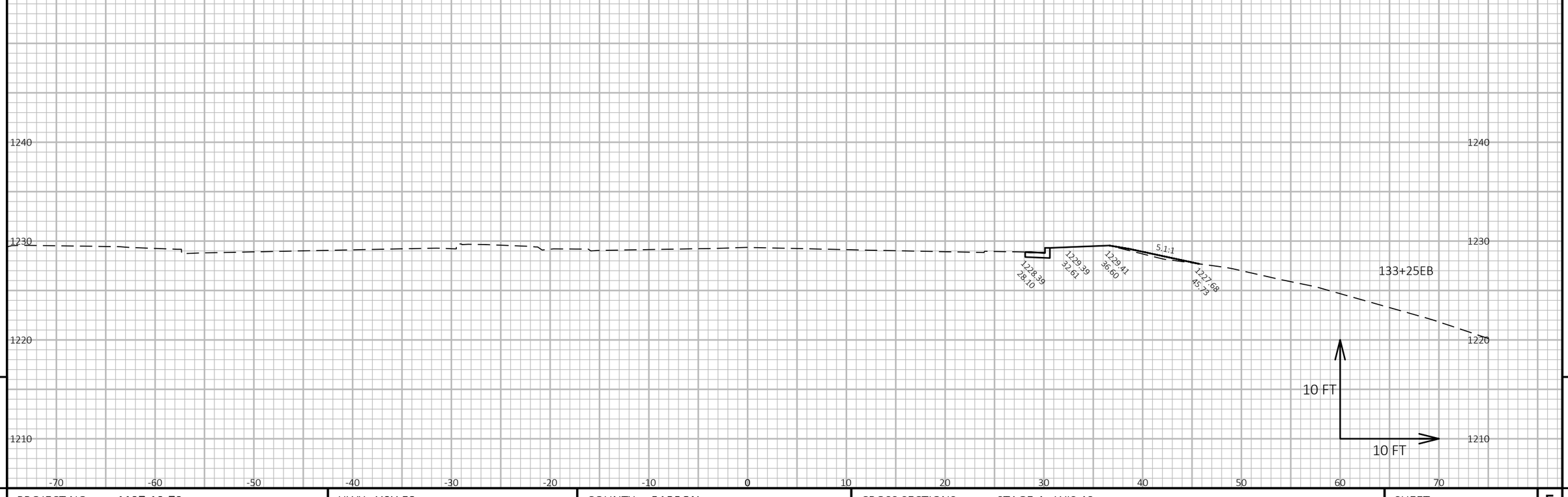
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 694	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090219_xs4_WIS 48

PLOT DATE : 7/25/2019 1:25 PM PLOT BY : JASON KLEIST PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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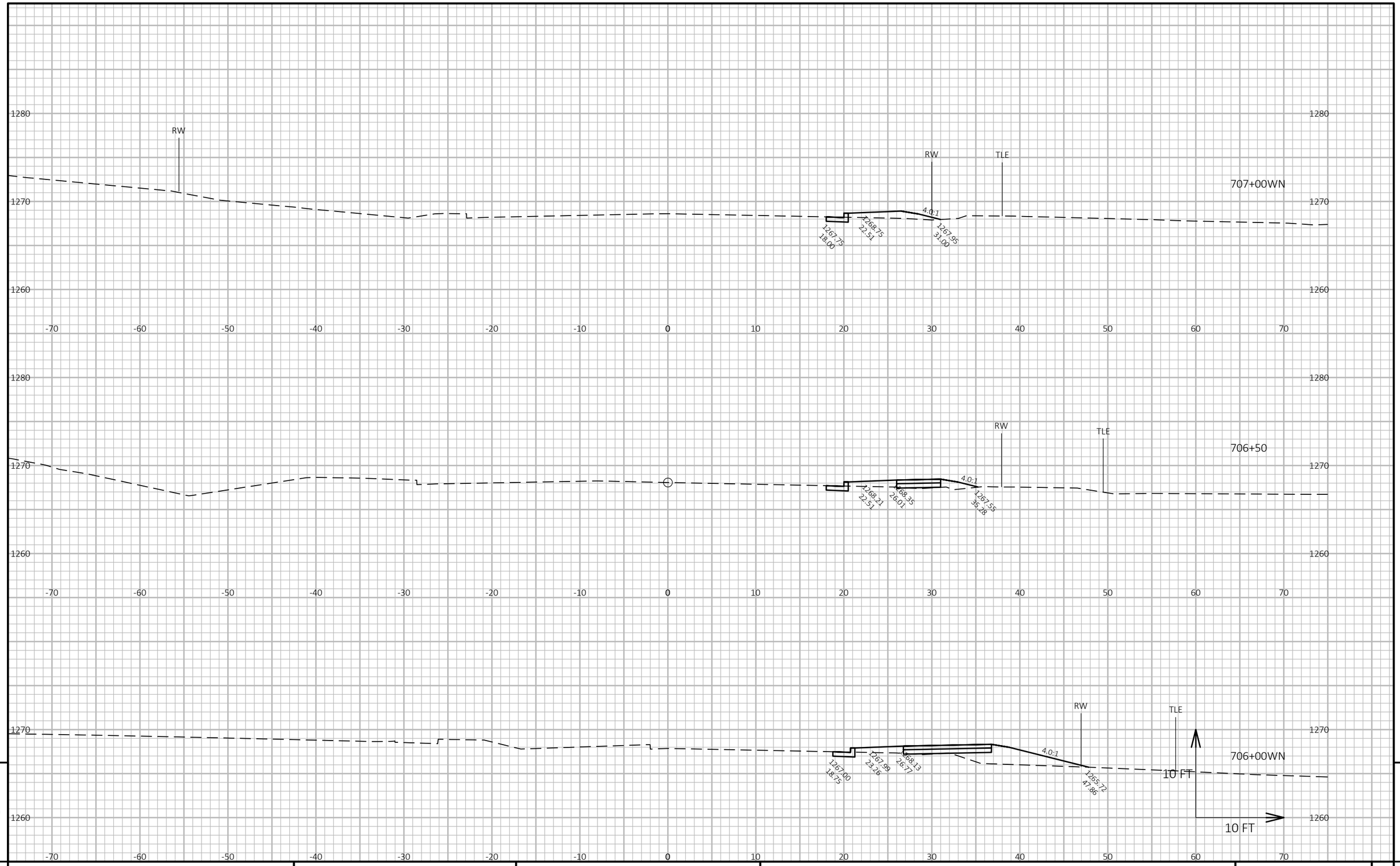
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48	SHEET 695	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090216_XS4_WIS 48.DWG
LAYOUT NAME - 090220_xs4_WIS 48

PLOT DATE : 7/25/2019 1:25 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WEST AVE	SHEET 696	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090217_XS4_WEST AVE.DWG
LAYOUT NAME - 090201_xs4_West Ave

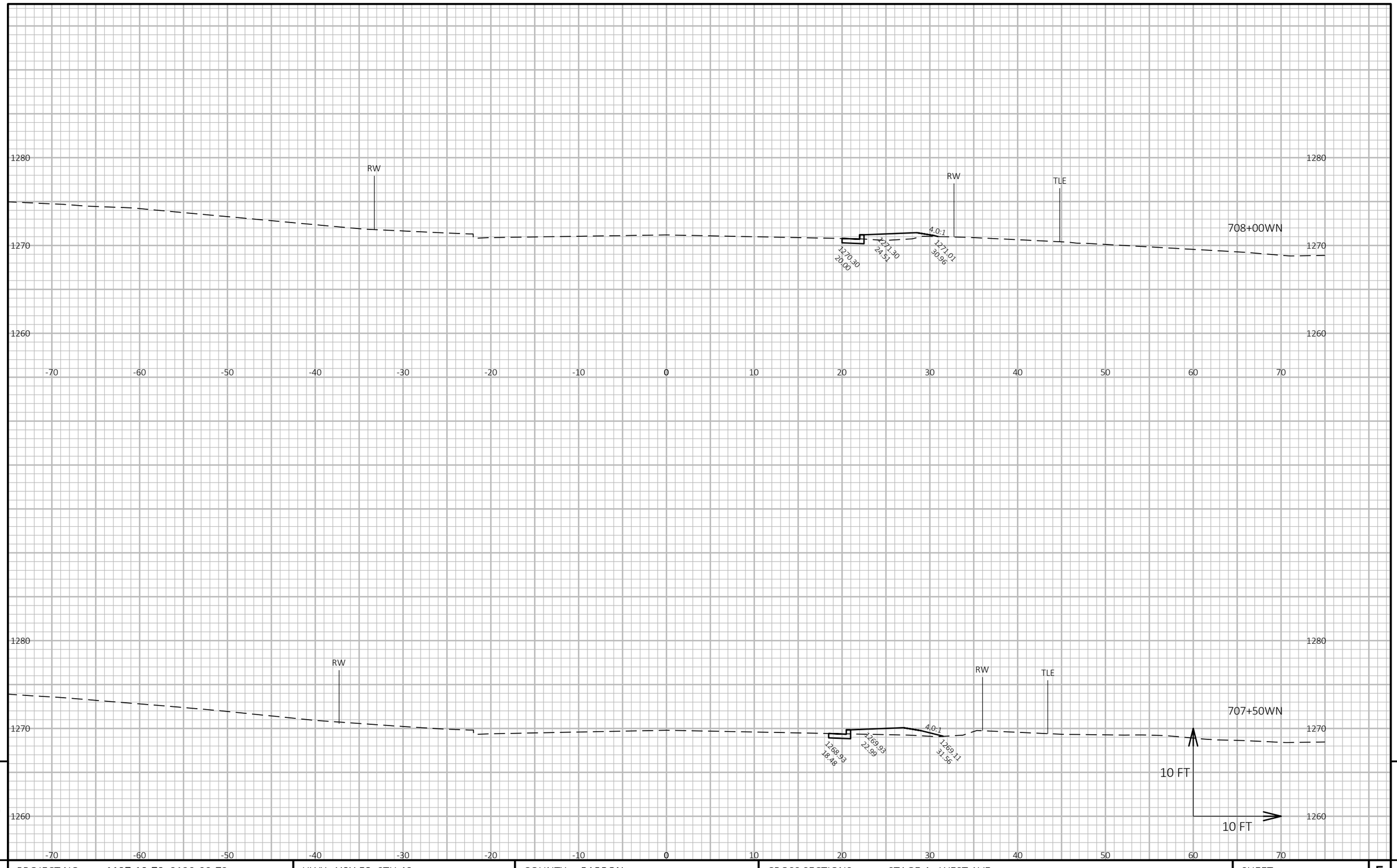
PLOT DATE : 7/25/2019 1:29 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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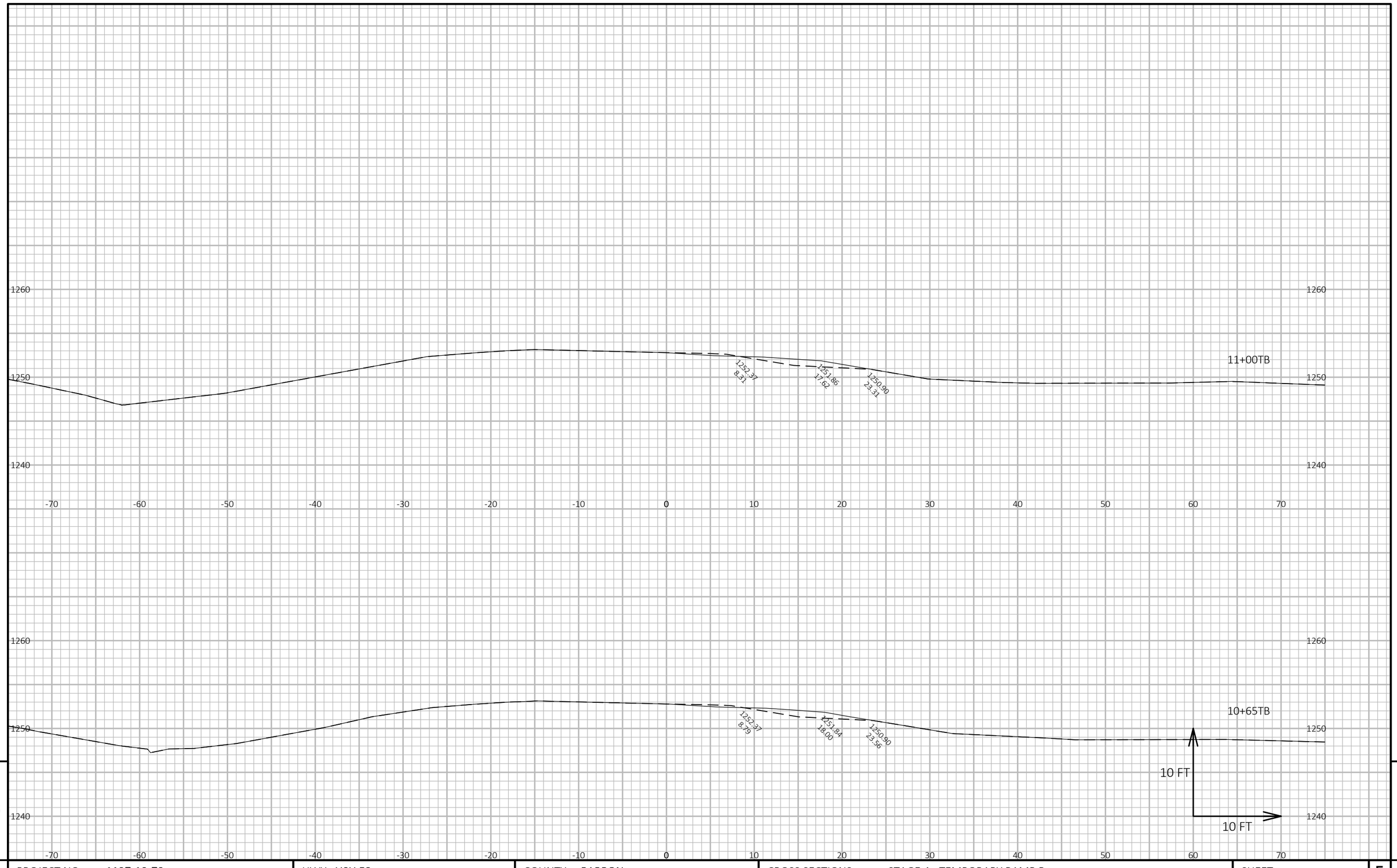
PROJECT NO: 1197-19-70, 8120-00-72	HWY: USH 53, STH 48	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WEST AVE	SHEET 697	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090217_XS4_WEST AVE.DWG
LAYOUT NAME - 090202_xs4_West Ave

PLOT DATE : 7/25/2019 1:29 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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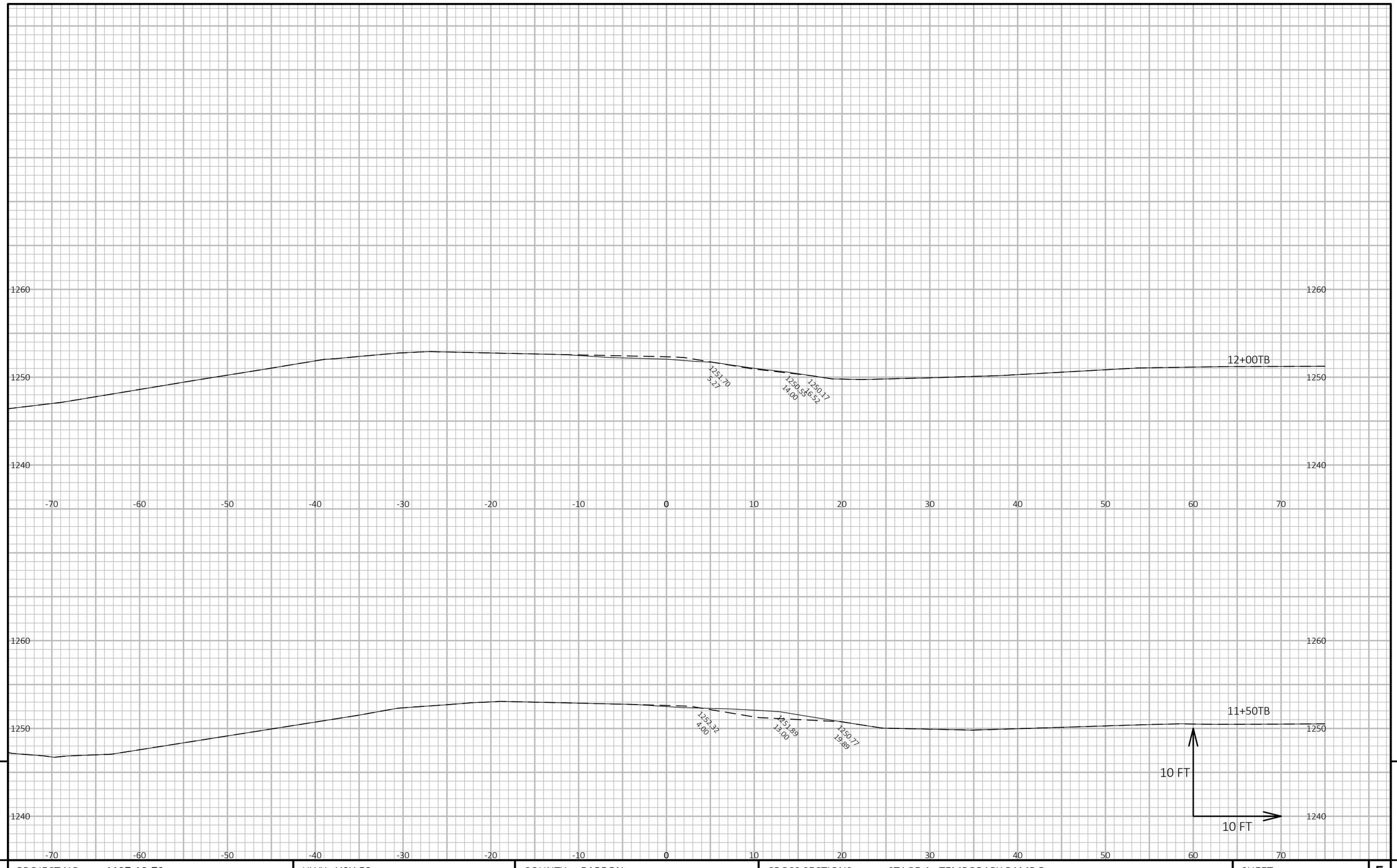
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - TEMPORARY RAMP B	SHEET 698	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090218_XS4_RAMP B.DWG
LAYOUT NAME - 090201_xs4_Ramp B

PLOT DATE : 7/25/2019 1:32 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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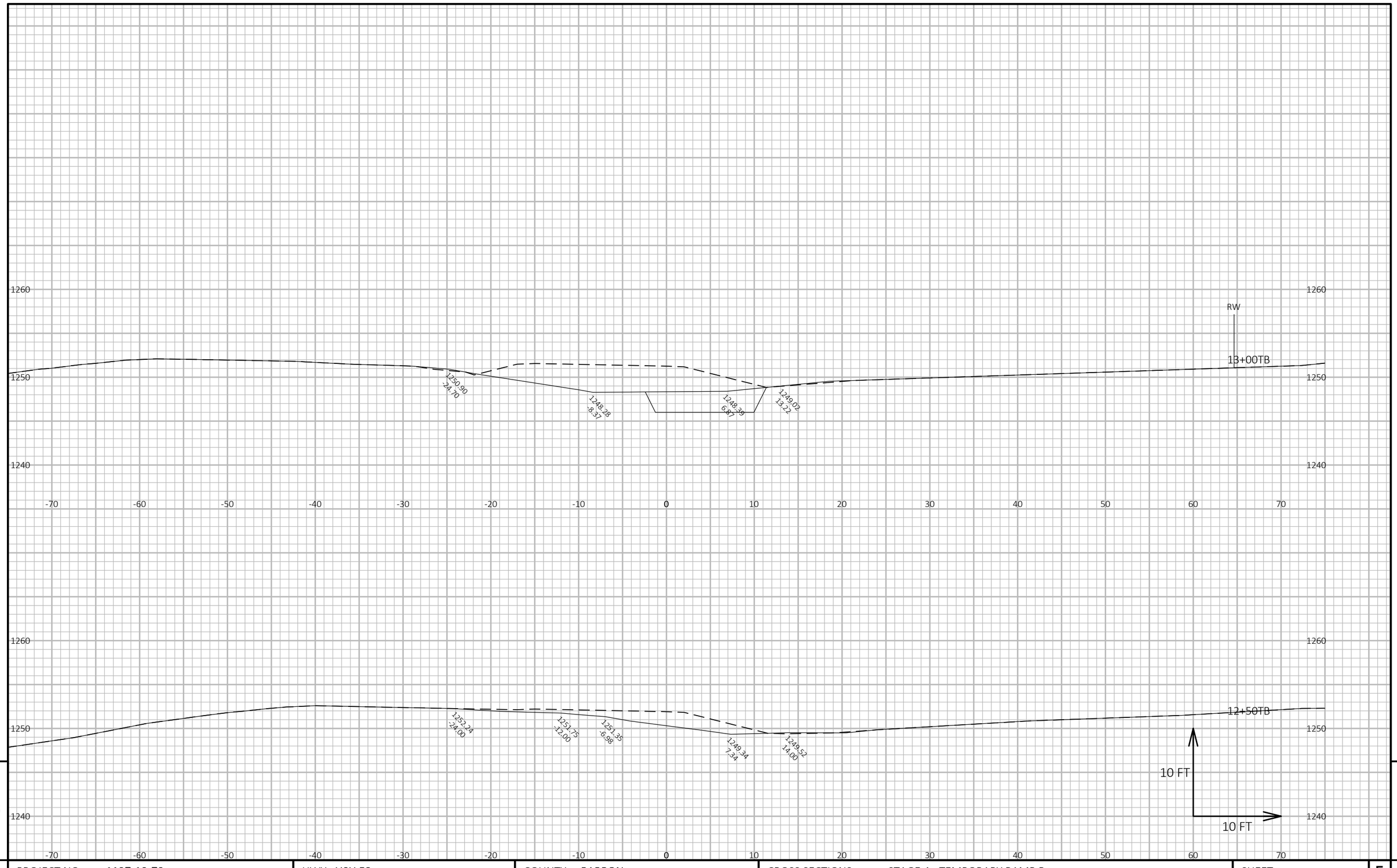
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - TEMPORARY RAMP B	SHEET 699	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090218_XS4_RAMP B.DWG
LAYOUT NAME - 090202_xs4_Ramp B

PLOT DATE : 7/25/2019 1:33 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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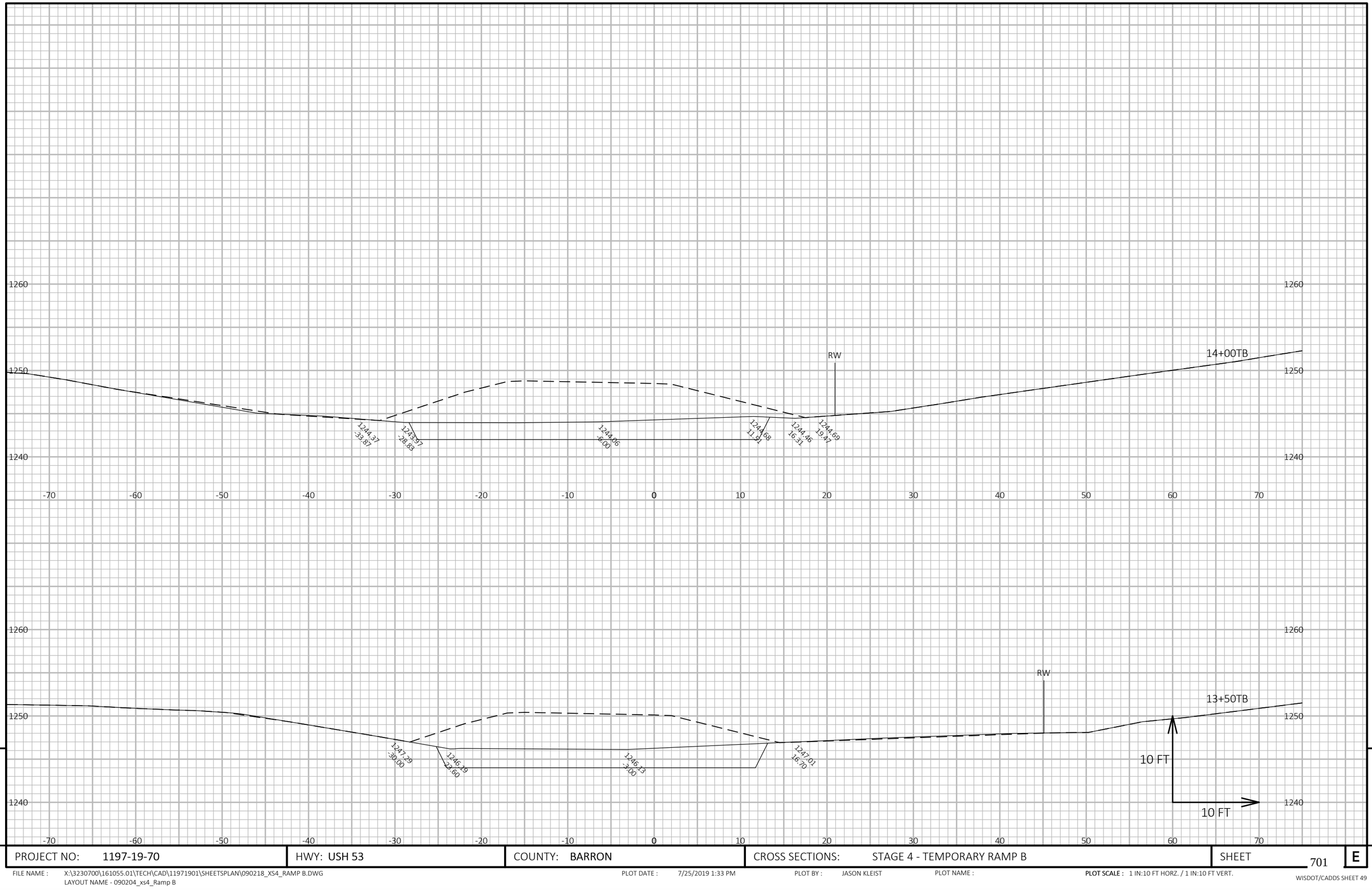
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - TEMPORARY RAMP B	SHEET 700	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090218_XS4_RAMP B.DWG
LAYOUT NAME - 090203_xs4_Ramp B

PLOT DATE : 7/25/2019 1:33 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - TEMPORARY RAMP B	SHEET 701	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090218_XS4_RAMP B.DWG
LAYOUT NAME - 090204_xs4_Ramp B

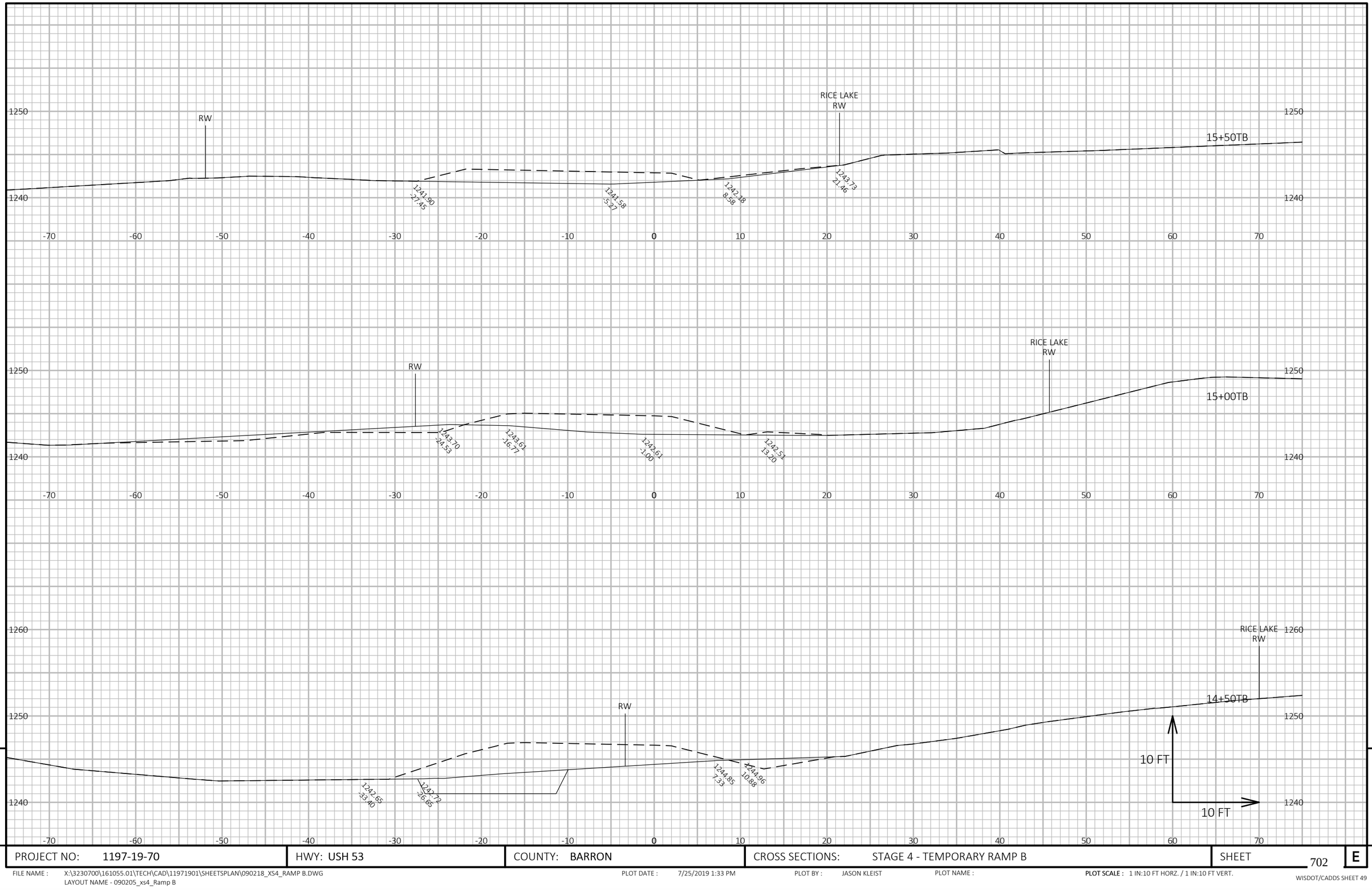
PLOT DATE : 7/25/2019 1:33 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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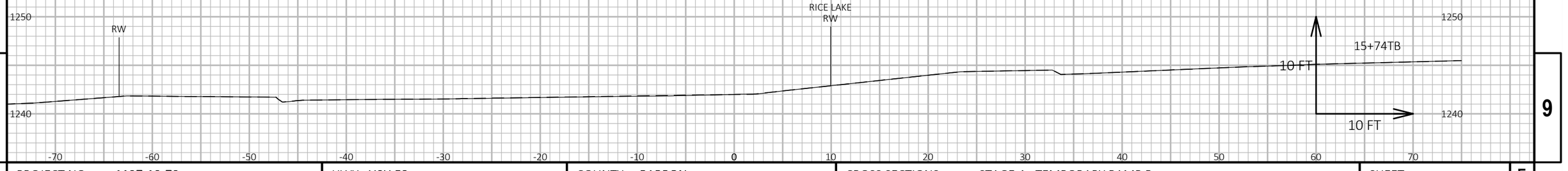
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - TEMPORARY RAMP B	SHEET 702	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090218_XS4_RAMP B.DWG
LAYOUT NAME - 090205_xs4_Ramp B

PLOT DATE : 7/25/2019 1:33 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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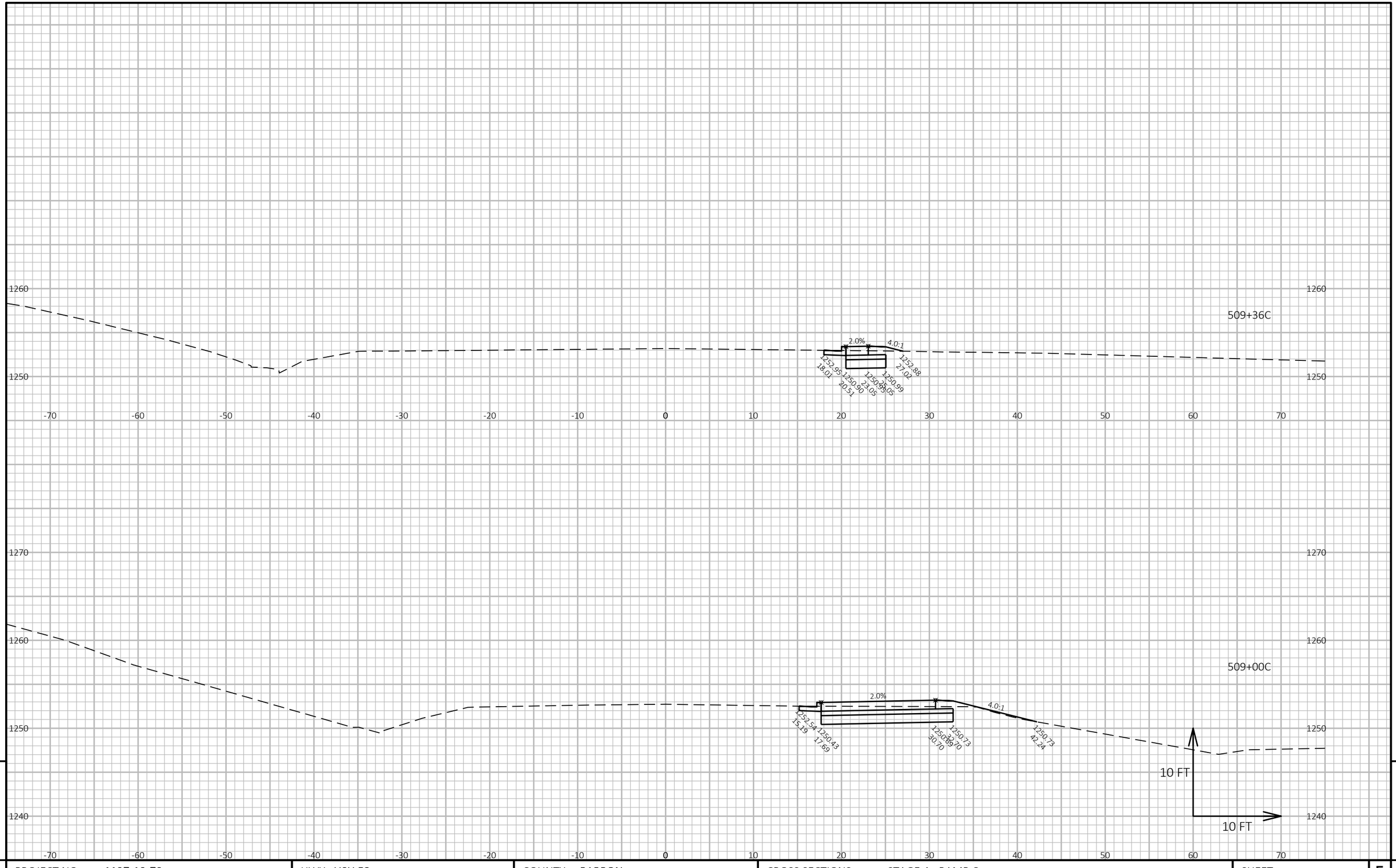
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - TEMPORARY RAMP B	SHEET 703	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090218_XS4_RAMP B.DWG
LAYOUT NAME - 090206_xs4_Ramp B

PLOT DATE : 7/25/2019 1:33 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - RAMP C	SHEET 704	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090219_XS4_RAMP C.DWG
LAYOUT NAME - 090201_xs4_Ramp C

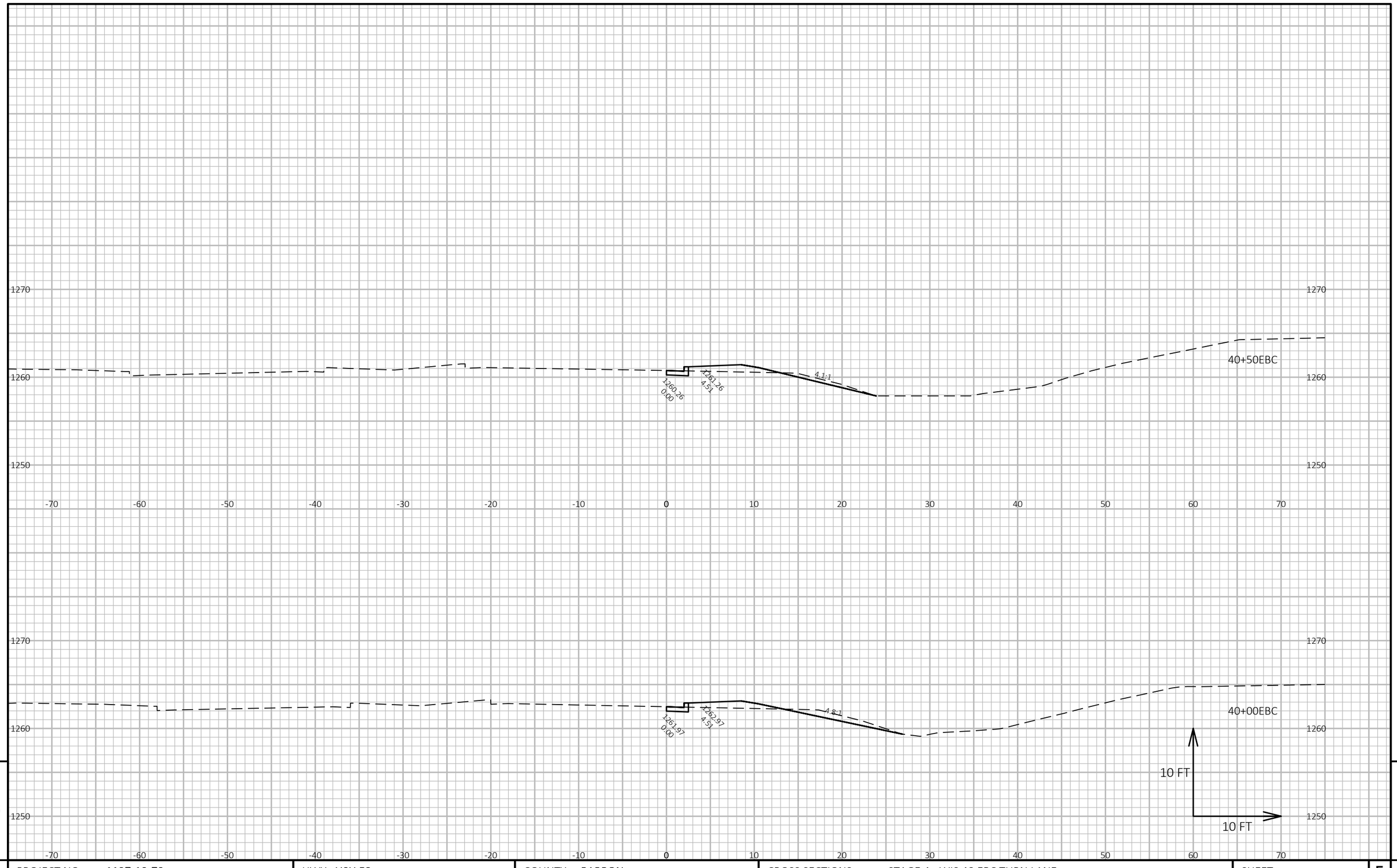
PLOT DATE : 7/25/2019 1:37 PM

PLOT BY : JASON KLEIST

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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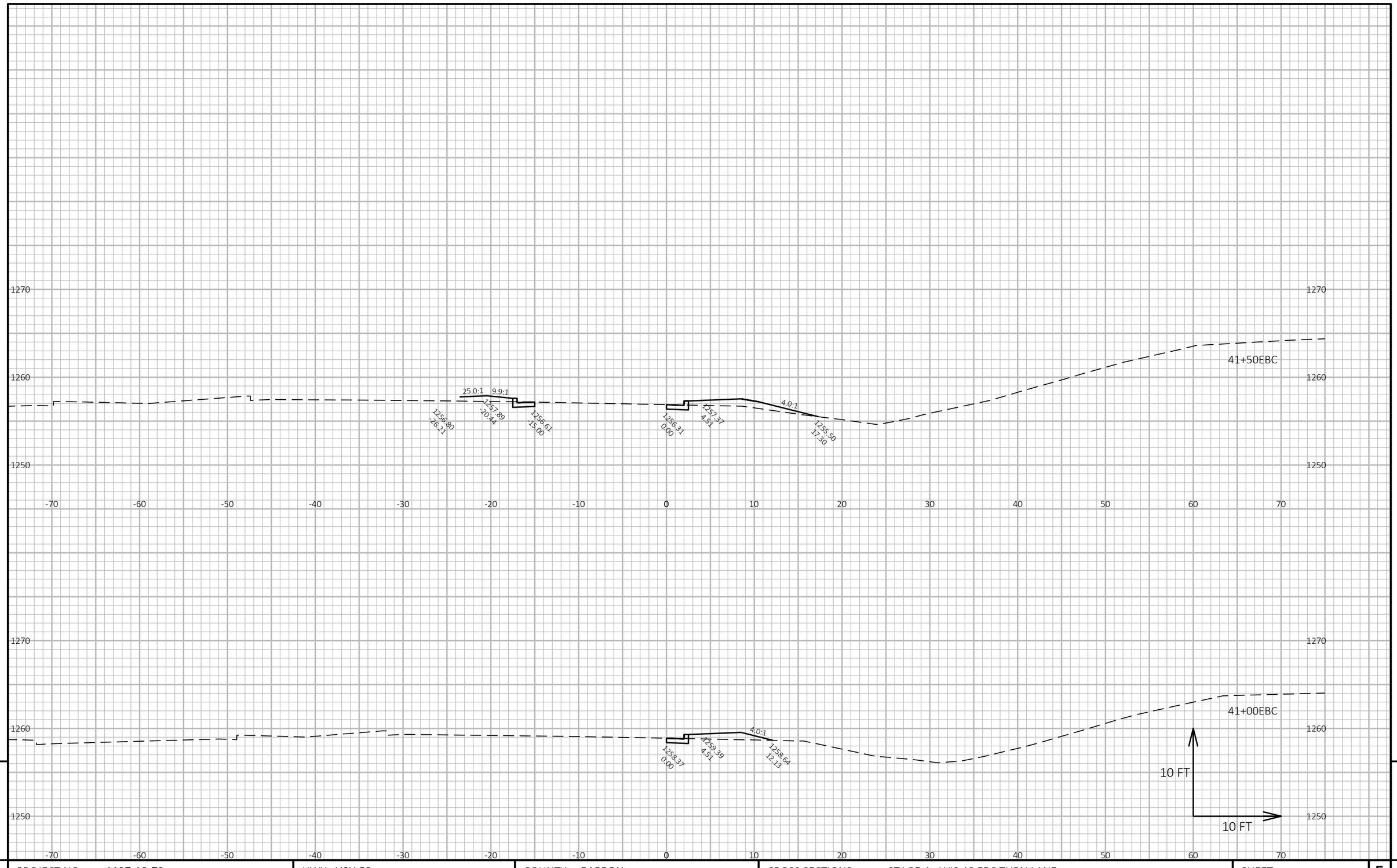
9

PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48 EBC TURN LANE	SHEET 705	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090220_XS4_TURN LANE EBC.DWG
LAYOUT NAME - 090201_xs4_Turn Lane EBC

PLOT DATE : 7/25/2019 1:40 PM PLOT BY : JASON KLEIST PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

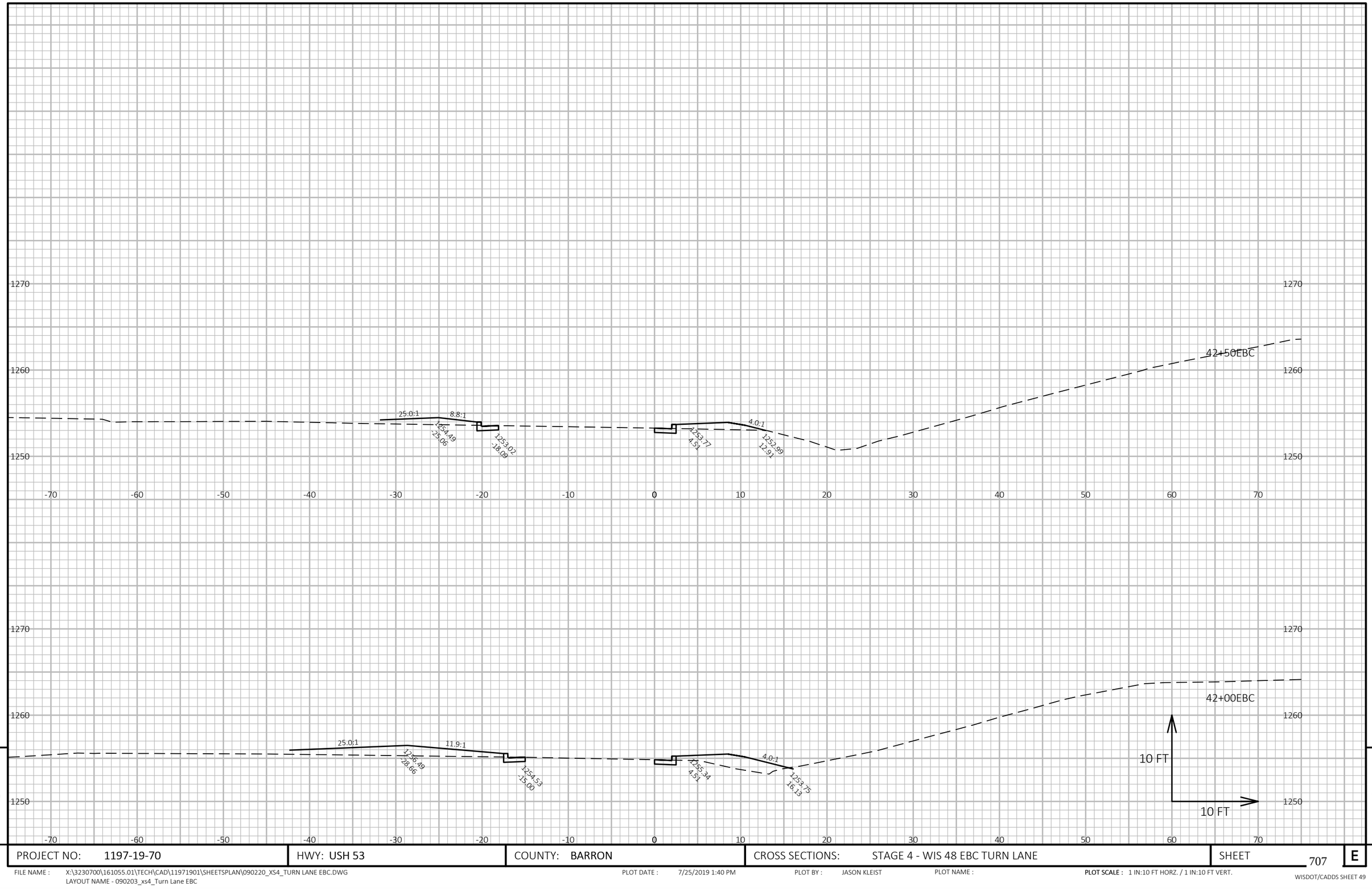


PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48 EBC TURN LANE	SHEET 706	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090220_XS4_TURN LANE EBC.DWG
LAYOUT NAME - 090202_xs4_Turn Lane EBC

PLOT DATE : 7/25/2019 1:40 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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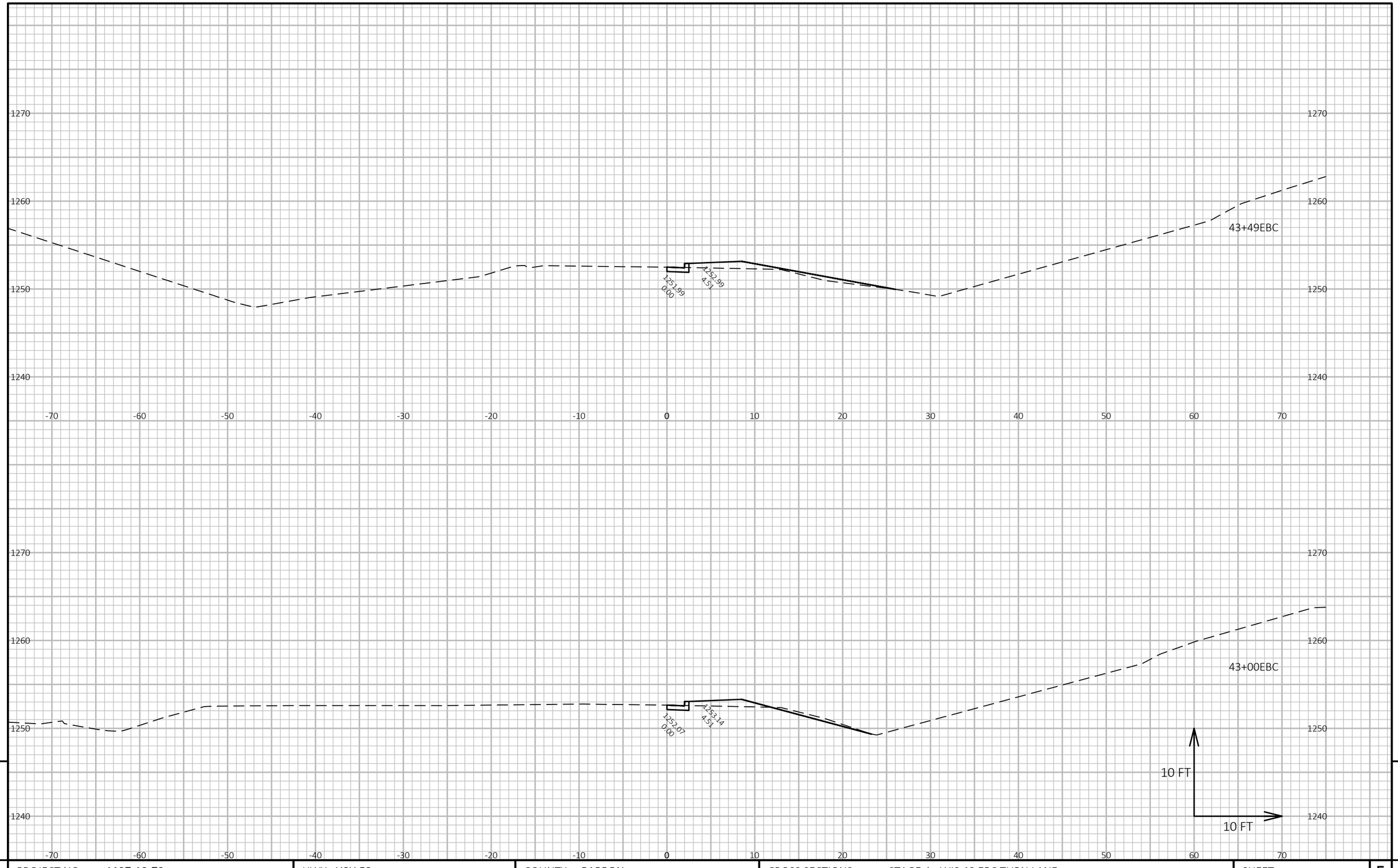
PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48 EBC TURN LANE	SHEET 707	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090220_XS4_TURN LANE EBC.DWG
LAYOUT NAME - 090203_xs4_Turn Lane EBC

PLOT DATE : 7/25/2019 1:40 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1197-19-70	HWY: USH 53	COUNTY: BARRON	CROSS SECTIONS: STAGE 4 - WIS 48 EBC TURN LANE	SHEET 708	E

FILE NAME : X:\3230700\161055.01\TECH\CAD\11971901\SHEETSPLAN\090220_XS4_TURN LANE EBC.DWG
LAYOUT NAME - 090204_xs4_Turn Lane EBC

PLOT DATE : 7/25/2019 1:40 PM PLOT BY : JASON KLEIST PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Notes

Wisconsin Department of Transportation

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