PROJECT ID: 1227-12-71
WITH: 1227-12-72
COUNTY: MANITOWOC

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 =

N

DESIGN DESIGNATION

A.A.D.T.	2023	=	21,140
A.A.D.T.	2043	=	23,500
D.H.V.		=	3,000
D.D.		=	58/42
T. (A.A.D.T)		=	15.2%
DESIGN SPEED		=	70 MPH
ESALS		=	12,000,000

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 (300'EB')
- 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

Preliminary

07/08/2021 1:22:58 PM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MANITOWOC - GREEN BAY

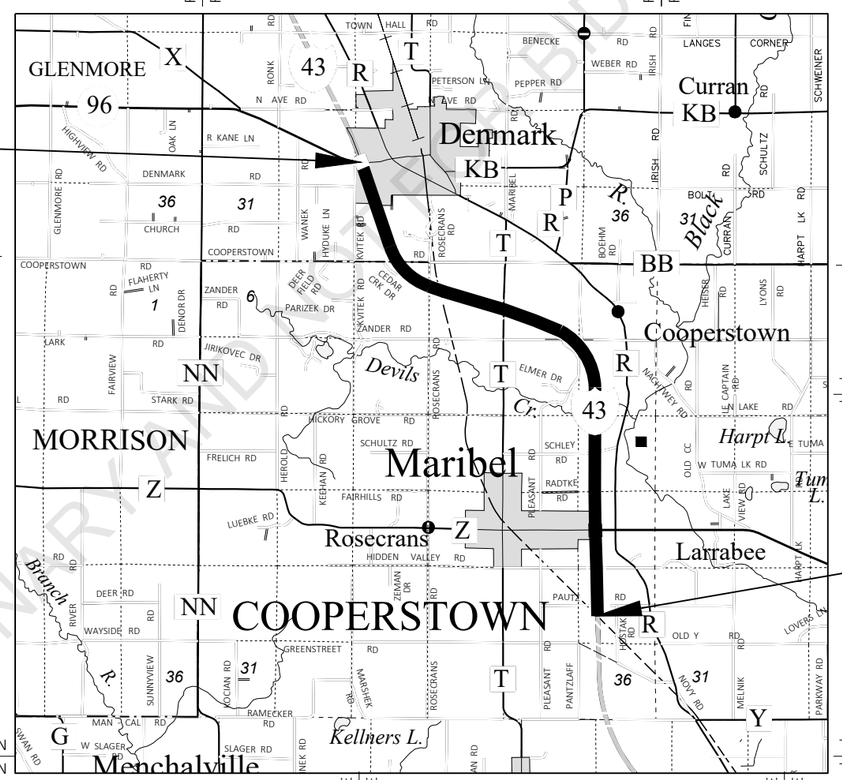
DEVIL'S RIVER STATE TRAIL - STH 96

IH 43
MANITOWOC COUNTY

STATE PROJECT NUMBER
1227-12-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1227-12-72		
1227-12-71		

R-21-E | R-22-E: BROWN CO / MANITOWOC CO
R-22-E | R-23-E: BROWN CO / KEWAUNEECO



LAYOUT

SCALE 0 2.0 MI

TOTAL NET LENGTH OF CENTERLINE = 7.227 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MANITOWOC COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	J. MATERNOSKI
Project Manager	B. HAEN
Regional Examiner	
Regional Supervisor	D. SEGERSTROM

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

E

PRELIMINARY AND NOT FOR BIDDING PURPOSES

GENERAL NOTES

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

THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

Preliminary

07/08/2021 1:22:58 PM

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
DETOUR

DNR LIAISON

MATT SCHAEVE
DNR NORTHEAST REGIONAL HEADQUARTERS
2984 SHAWANO AVE.
GREEN BAY, WI 54313
(920) 366-1544
matthew.schaeve@wisconsin.gov

BROWN COUNTY HIGHWAY COMMISSIONER

PAUL FONTECCHIO
BROWN COUNTY HIGHWAY DEPT
2198 GLENDALE AVE.
GREEN BAY, WI 54303
(920) 492-4925
bc_highway@co.brown.wi.us

MANITOWOC COUNTY HIGHWAY COMMISSIONER

MARC HOLSEN
MANITOWOC CO. HIGHWAY DEPT.
3500 STH 310
MANITOWOC, WI 54220
(920) 683-4353
marc.holsen@co.manitowoc.wi.us

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, RLS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920)492-5638
cormac.mcinnis@dot.wi.gov

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE	O-2	2-6	6 & OVER	O-2	2-6	6 & OVER	O-2	2-6	6 & OVER	O-2	2-6	6 & OVER
ROW CROPS	0.08 0.22	0.16 0.30	0.22 0.38	0.12 0.26	0.20 0.34	0.27 0.44	0.15 0.30	0.24 0.37	0.33 0.50	0.19 0.34	0.28 0.41	0.38 0.56
MEDIAN STRIP TURF	0.19 0.24	0.20 0.26	0.24 0.30	0.19 0.25	0.22 0.28	0.26 0.33	0.20 0.26	0.23 0.30	0.30 0.37	0.20 0.27	0.25 0.32	0.30 0.40
SIDE STRIP TURF			0.25 0.32			0.27 0.34			0.28 0.36			0.30 0.38
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 = 71.80 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.20 ACRES

PRELIMINARY AND NOT FOR BIDDING PURPOSES

UTILITIES CONTACTS

VILLAGE OF DENMARK - SEWER AND WATER
ERIKA THRONSON
118 E MAIN ST
DENMARK, WI 54208
(920) 362-7982, (920) 863-8401
ERIKA@VILLAGEOFDENMARK.COM

CENTURYLINK - COMMUNICATION LINE
JASON BUSSE
3235 INTERTECH DR SUITE 600
BROOKFIELD, WI 53045
(715) 415-3214, (414) 224-6713
JASON.BUSSE@LUMEN.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE
VINCENT ALBIN
3520 DESTINATION DR
APPLETON, WI 54915
(920) 378-7982, (920) 831-9249
VINCE.ALBIN@CHARTER.COM

WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM
JOEL SAWICKI
800 COLUMBUS ST
P.O. BOX 236
TWO RIVERS, WI 54241-0236
(920) 657-1862
JOEL.SAWICKI@WISCONSINPUBLICSERVICE.COM

ATC MANAGEMENT, INC. - ELECTRICITY TRANSMISSION
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
(262) 506-6884
CDAILEY@ATCLLC.COM

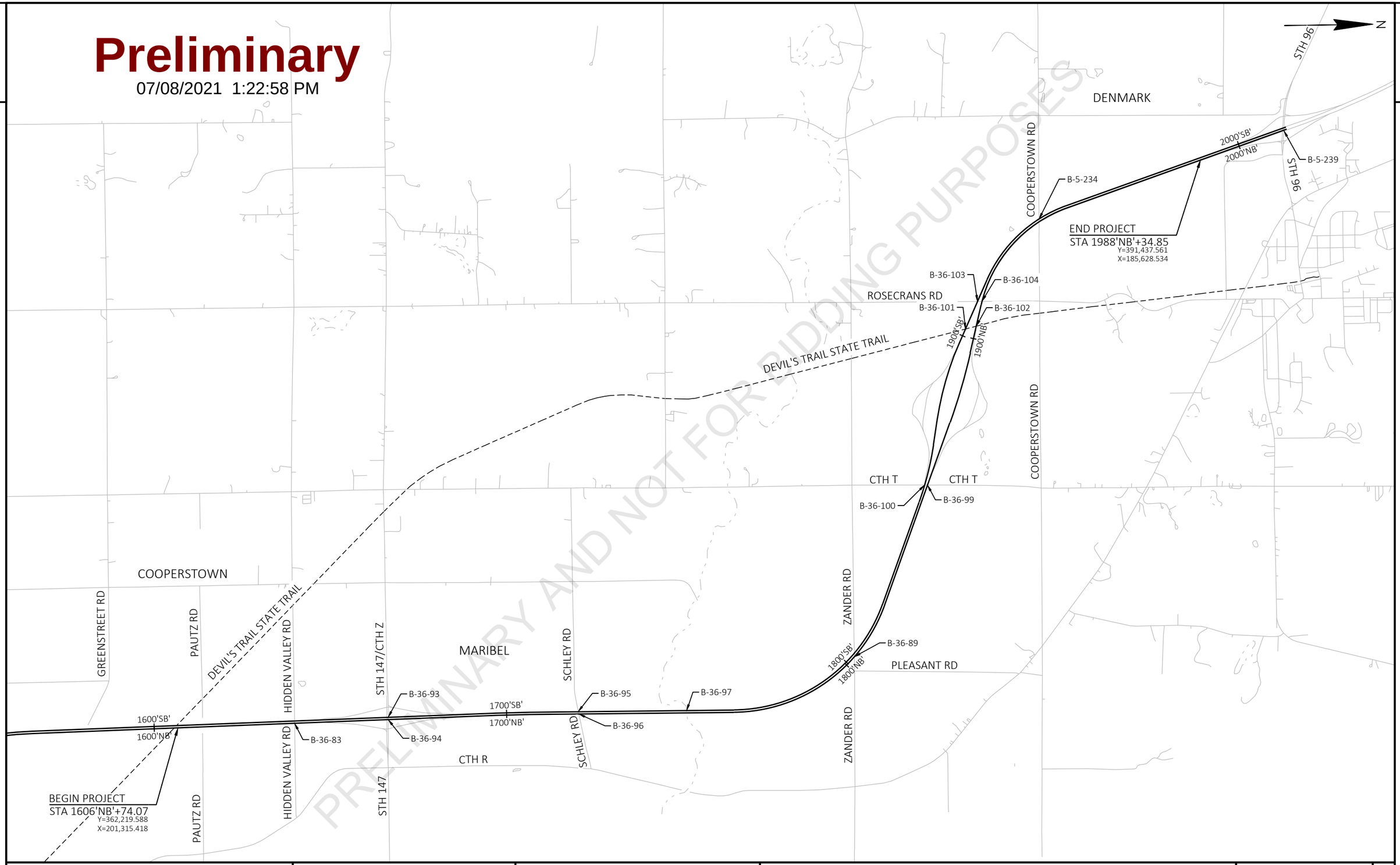
WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
CHARLES WINDUS
2850 S ASHLAND AVE
GREEN BAY, WI 54307
(920) 606-1141, (920) 617-5281
CHARLES.WINDUS@WISCONSINPUBLICSERVICE.COM

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

Preliminary

07/08/2021 1:22:58 PM

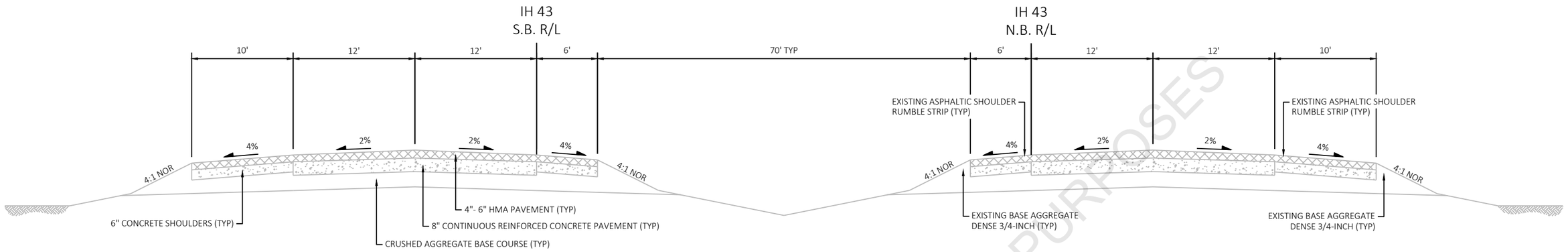
PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PROJECT OVERVIEW	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\020201-PO.DWG
LAYOUT NAME - 020201-po

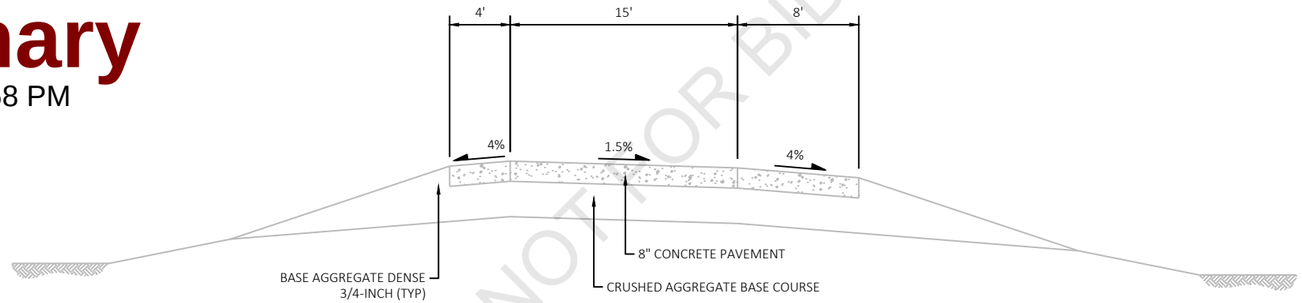
PLOT DATE : 5/5/2021 3:16 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:2500 FT



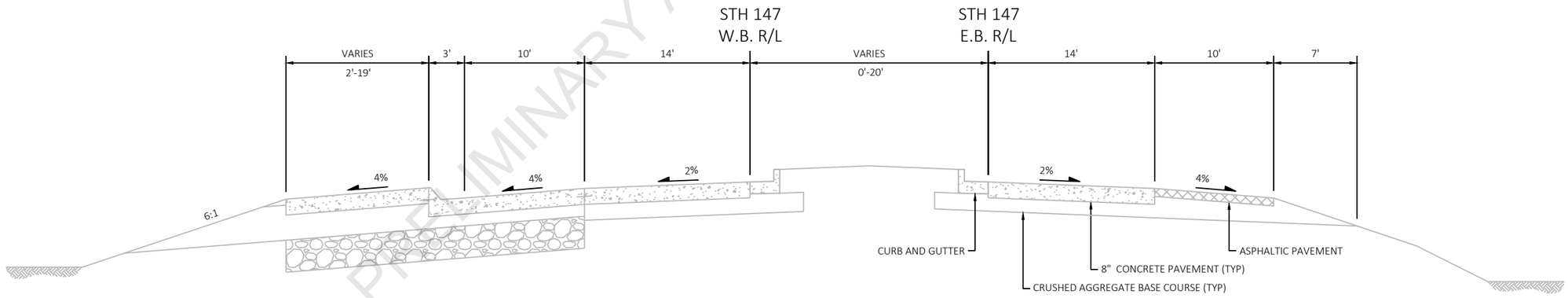
ASPHALT OVERLAYS 4" TOTAL THICKNESS AT EDGE OF TRAVEL LANES
CONCRETE TRAVEL LANES SLOPED AT 1.5 %
SUBGRADE SLOPED AT 1.5 %
CONCRETE SHOULDERS SLOPED AT 4.0 %

EXISTING TYPICAL SECTION IH 43
STH 1606'NB'+74 TO STA 1988'NB'+35

Preliminary
07/08/2021 1:22:58 PM



EXISTING TYPICAL SECTION FOR IH 43 RAMPS
STH 147



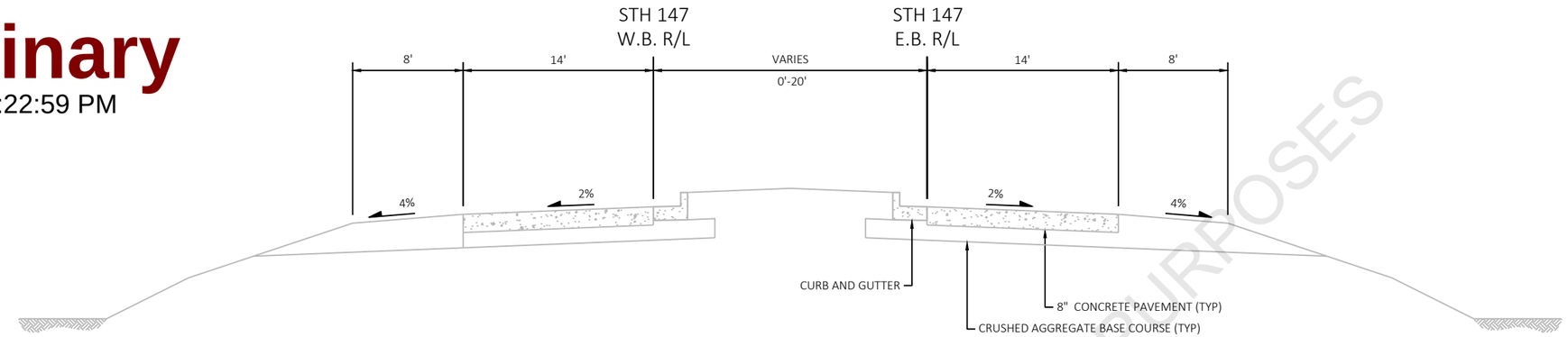
EXISTING TYPICAL SECTION
STH 147

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	TYPICAL SECTIONS	SHEET	E

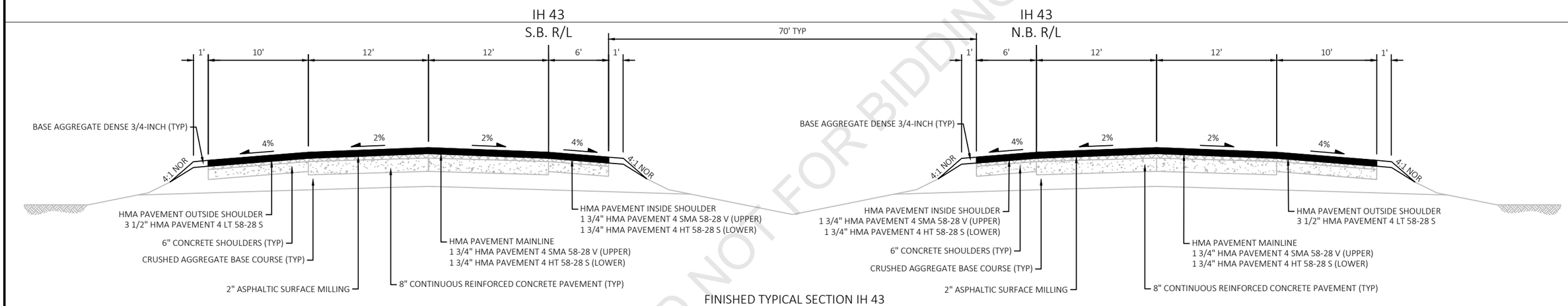
Preliminary

07/08/2021 1:22:59 PM



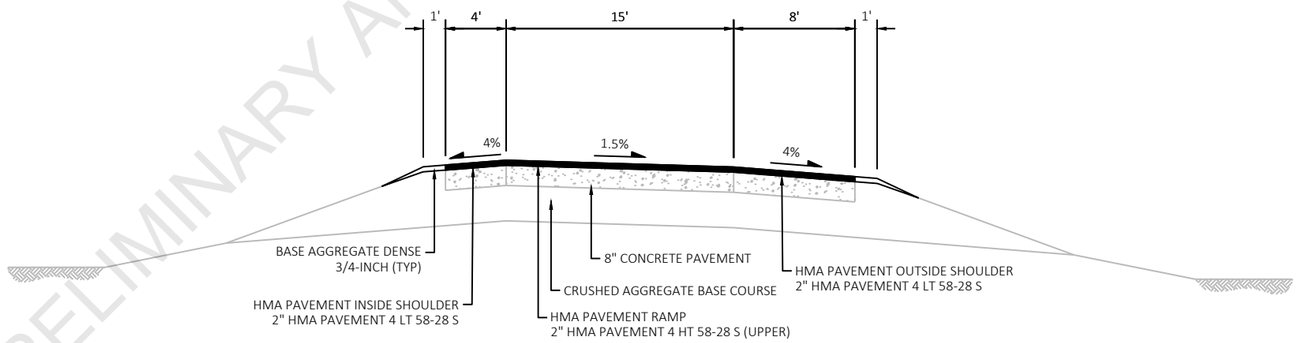
EXISTING TYPICAL SECTION

STH 147



FINISHED TYPICAL SECTION IH 43

STA 1606'NB'+74 TO STA 1988'NB'+35



FINISHED TYPICAL SECTION FOR IH 43 RAMPS

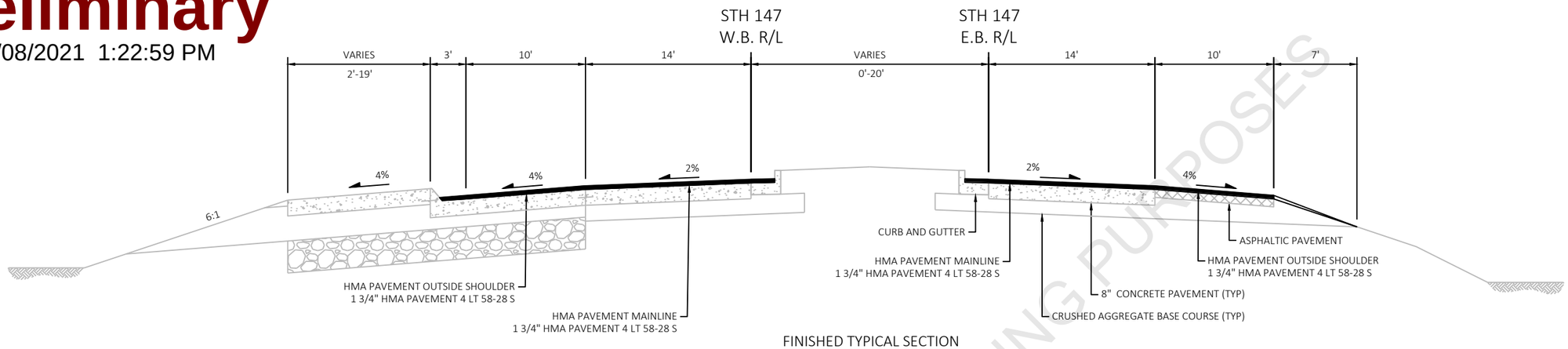
STH 147

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	TYPICAL SECTIONS	SHEET	E

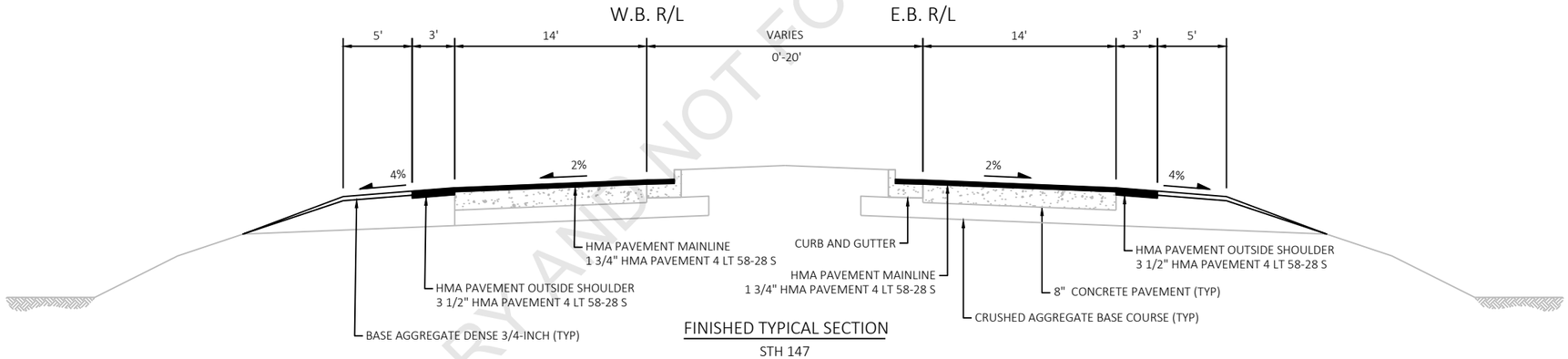
Preliminary

07/08/2021 1:22:59 PM



FINISHED TYPICAL SECTION

STH 147



FINISHED TYPICAL SECTION

STH 147

PRELIMINARY AND NOT FOR BIDDING PURPOSES

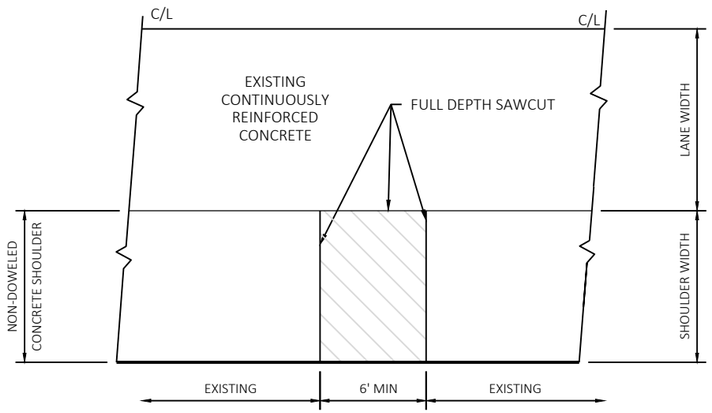
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	TYPICAL SECTIONS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\020301-TS.DWG
LAYOUT NAME - 020303-ts

PLOT DATE : 6/16/2021 8:24 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1IN:10 FT

Preliminary

07/08/2021 1:22:59 PM



PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL

SHOULDER ONLY

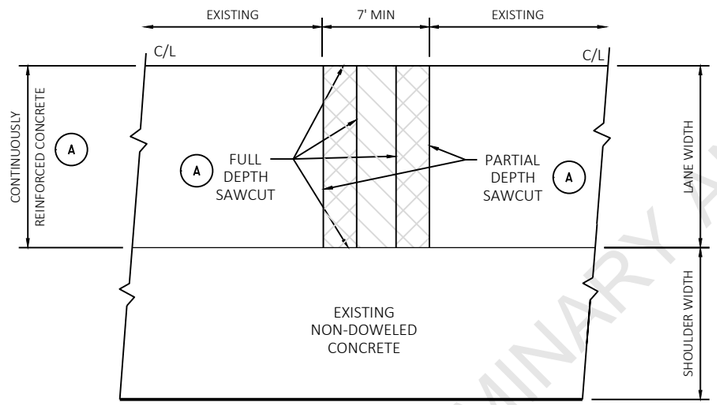
GENERAL NOTES

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. THE DEPARTMENT WILL NOT MEASURE CUTS TO REDUCE REMOVAL SLABS TO A WIDTH LESS THAN 7 FEET.

PROVIDE 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS ADJACENT TRANSVERSE JOINT OR CRACK.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS OVERLAID AFTER REPAIRING.

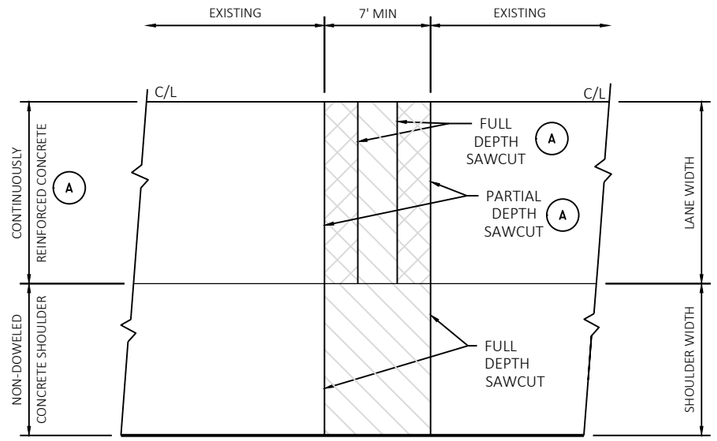
(A) REFER TO SDD CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR AND REPLACEMENT.



PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL

MAINLINE ONLY



PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL

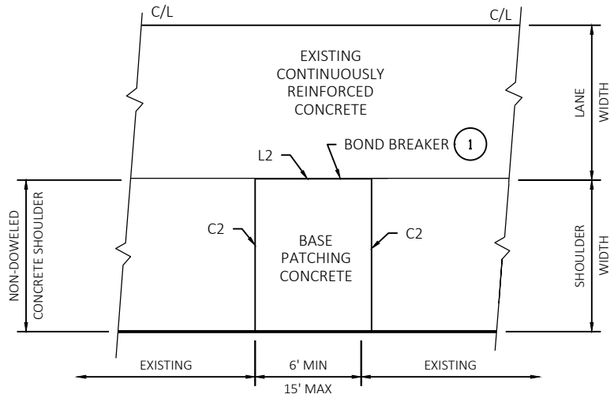
MAINLINE AND SHOULDER REPAIR

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

Preliminary

07/08/2021 1:22:59 PM



PLAN VIEW

SHOULDER BASE PATCH

15' MAXIMUM LENGTH

GENERAL NOTES

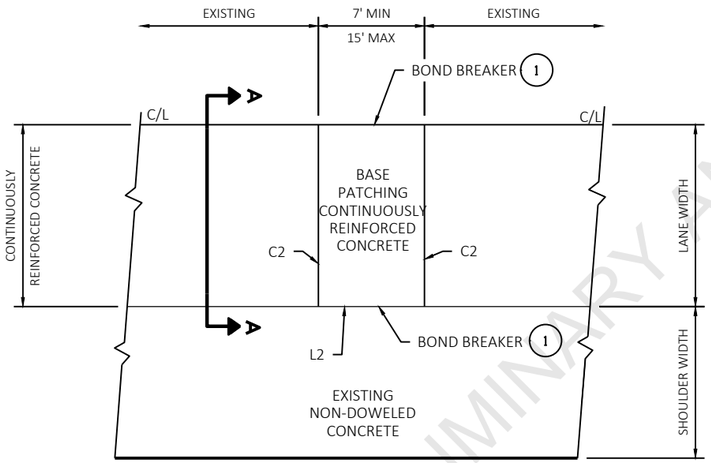
DO NOT INSTALL DOWELS IN EXISTING NON-DOWELED CONCRETE PAVEMENTS.

DO NOT SEAL OR FILL JOINTS.

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SHOULDER BASE PATCHES UP TO 15 FEET IN LENGTH.

(A) REFER TO SDD CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR AND REPLACEMENT.

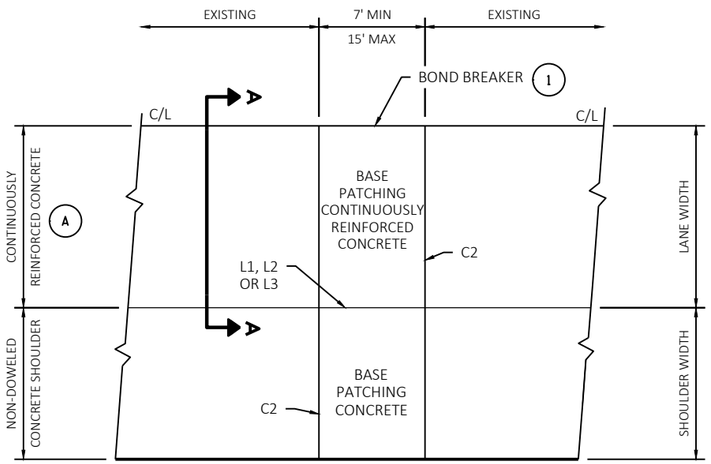
PRELIMINARY AND NOT FOR BIDDING PURPOSES



PLAN VIEW

MAINLINE BASE PATCH

15' MAXIMUM LENGTH



PLAN VIEW

MAINLINE AND SHOULDER BASE PATCH

15' MAXIMUM LENGTH

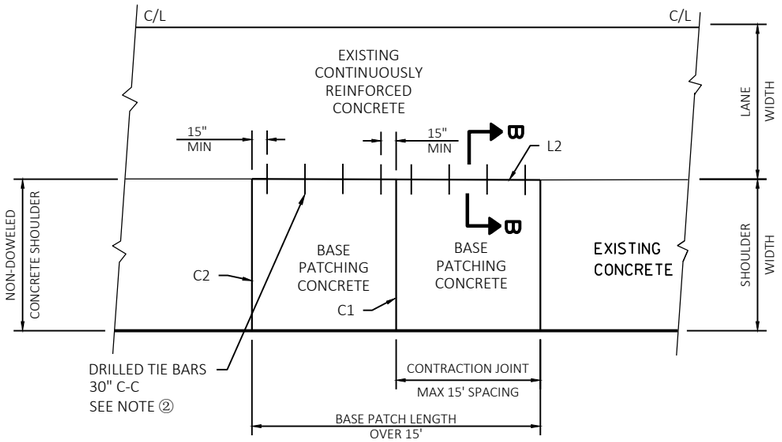
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\021001-CD.DWG
LAYOUT NAME - 021002-cd
PLOT DATE : 6/16/2021 8:25 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

2

Preliminary

07/08/2021 1:22:59 PM



PLAN VIEW

SHOULDER BASE PATCH

GREATER THAN 15' IN LENGTH

NOTES

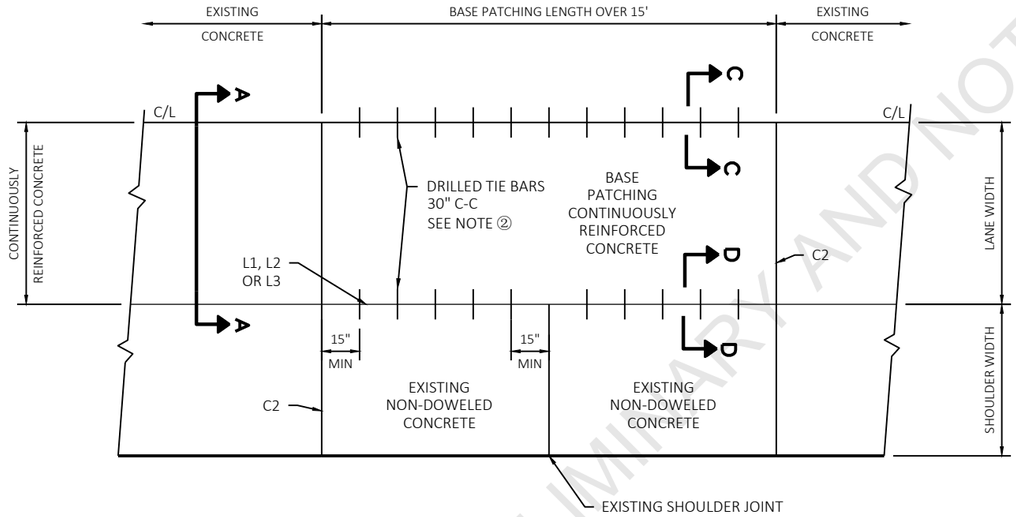
DO NOT INSTALL DOWELS IN EXISTING NON-DOWELED CONCRETE PAVEMENT.

DRILLED TIE BARS ARE 12" NO. 6 BAR SPACED AT 30" C-C INTO EXISTING CONCRETE. TIE BARS PLACED IN NEW CONCRETE ARE 30" N0. 4 BARS SPACED AT 36". DRILLED TIE BARS WILL BE PAID UNDER THE DRILLED TIE BAR ITEM. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

DO NOT SEAL OR FILL JOINTS.

WITH THE APPROVAL OF THE ENGINEER, FOR SHOULDER 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 AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

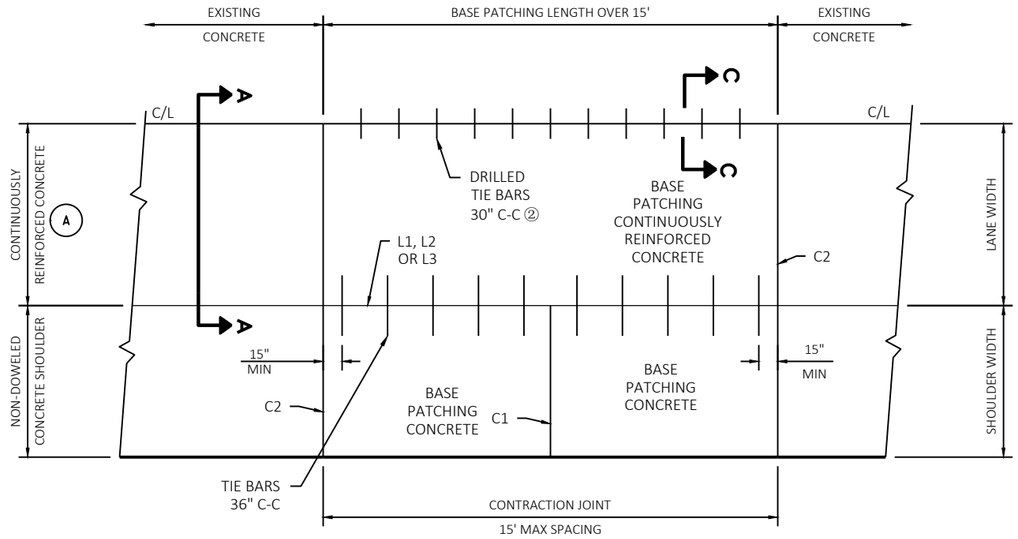
(A) REFER TO SDD CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR AND REPLACEMENT.



PLAN VIEW

MAINLINE BASE PATCH

GREATER THAN 15' IN LENGTH



PLAN VIEW

MAINLINE AND SHOULDER BASE PATCH

GREATER THAN 15' IN LENGTH

PRELIMINARY AND NOT FOR BIDDING PURPOSES

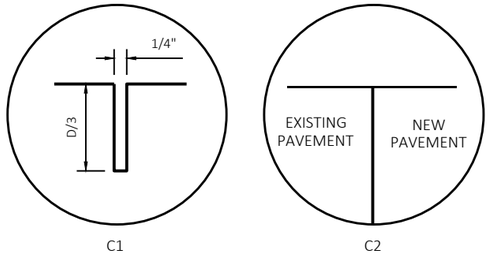
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\021001-CD.DWG
LAYOUT NAME - 021003-cd
PLOT DATE : 6/16/2021 8:25 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

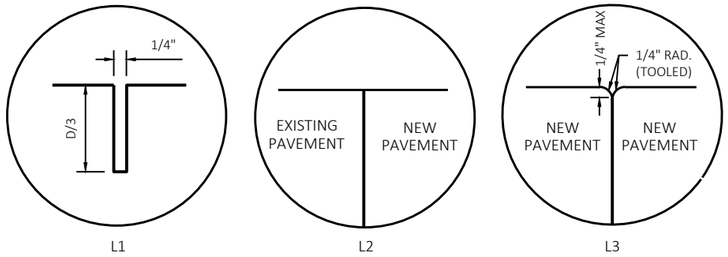
2

Preliminary

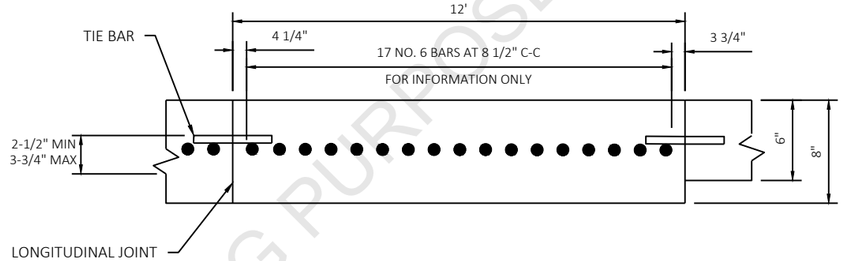
07/08/2021 1:23:00 PM



TRANSVERSE JOINTS



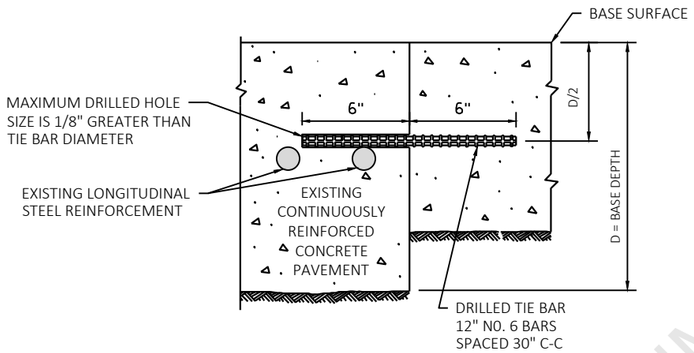
LONGITUDINAL JOINTS



SECTION A-A

EXISTING LONGITUDINAL STEEL PLACEMENT IN CRCP REPAIRS

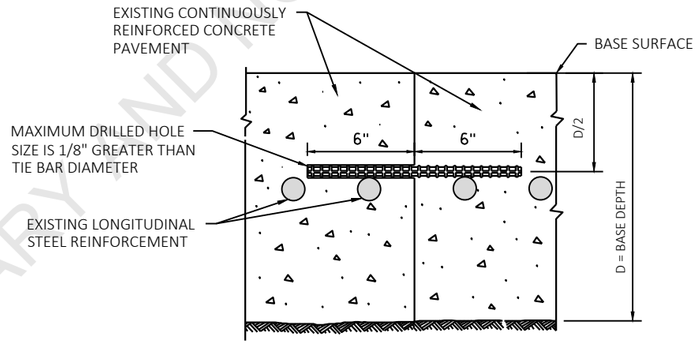
FOR INFORMATION ONLY



SECTION B-B

DRILLED TIE BAR

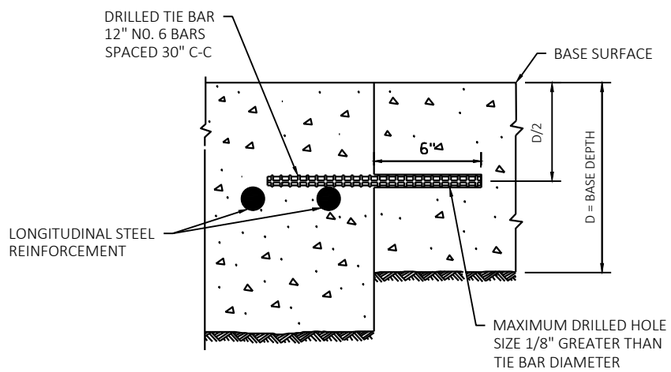
MAINLINE-SHOULDER



SECTION C-C

DRILLED TIE BAR

MAINLINE-MAINLINE



SECTION D-D

DRILLED TIE BAR

MAINLINE-SHOULDER

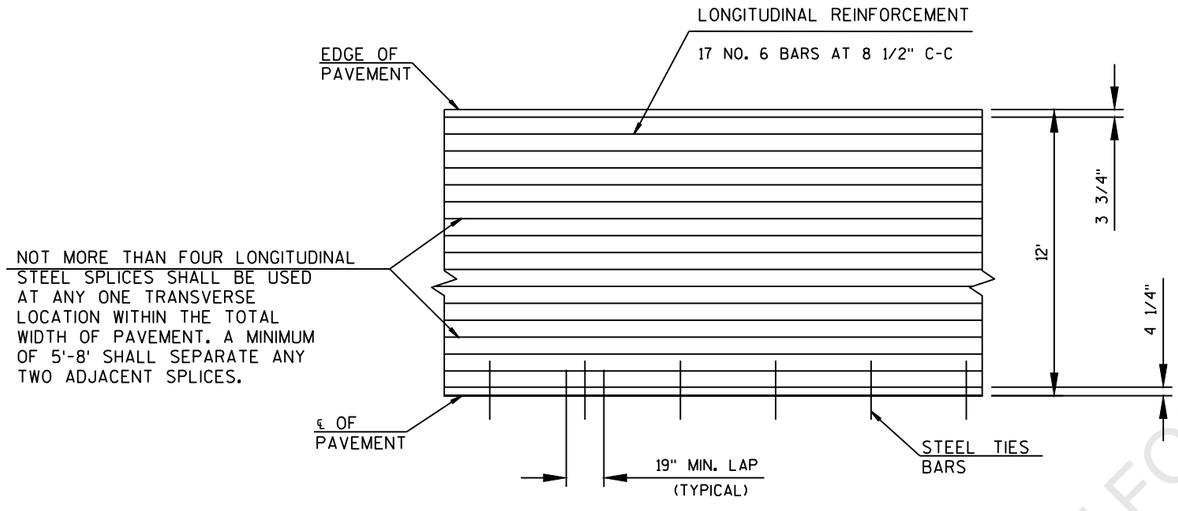
PRELIMINARY - NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

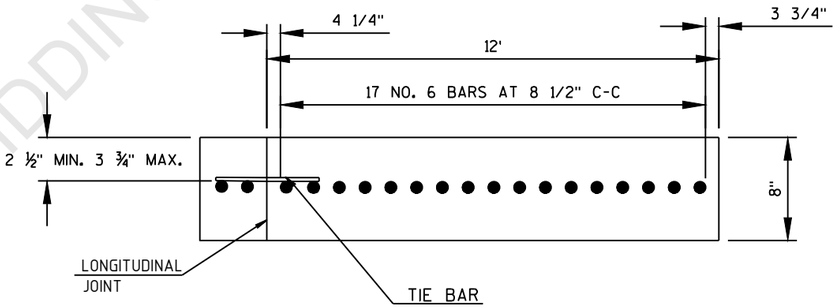
FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\021001-CD.DWG
LAYOUT NAME - 021004-cd
PLOT DATE : 6/16/2021 8:25 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:00 PM



REINFORCEMENT STEEL PLACEMENT



LONGITUDINAL CENTERLINE JOINT DETAIL

CONTINUOUSLY REINFORCED CONCRETE LONGITUDINAL BAR SPACING

NOTE: SEE STANDARD DETAIL FOR MORE INFORMATION

PRELIMINARY AND NOT FOR BIDDING PURPOSES

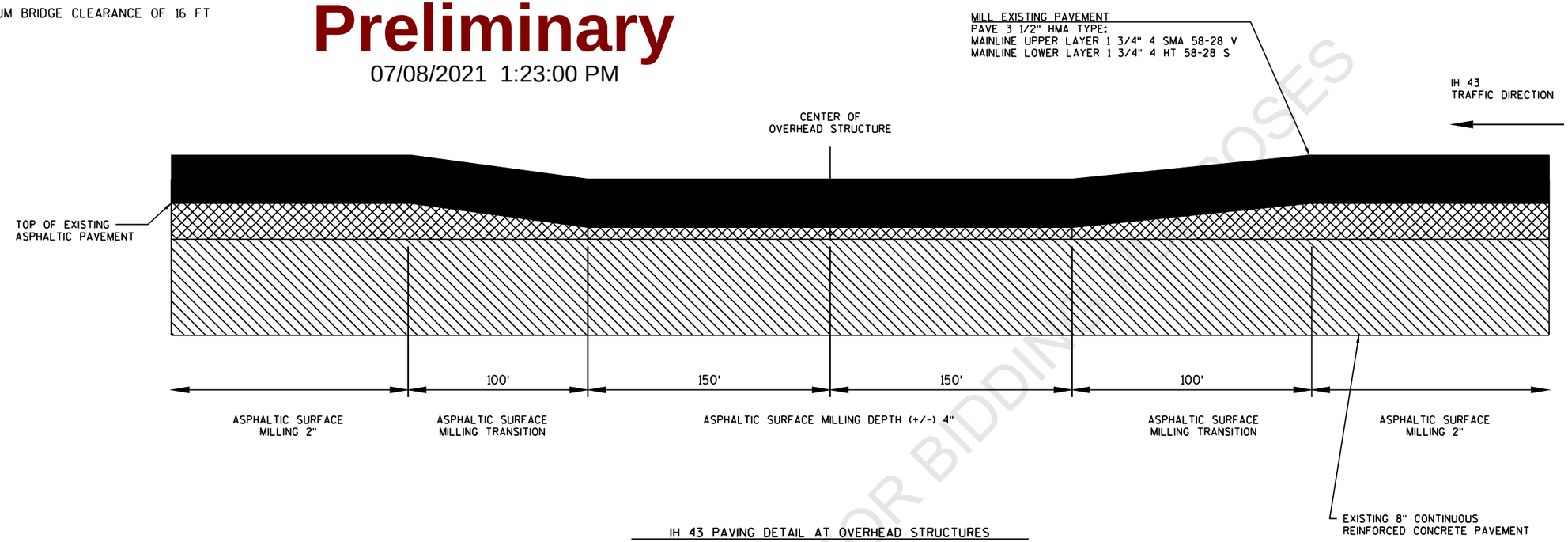
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\021001-CD.DWG
LAYOUT NAME - 021005-cd
PLOT DATE : 6/16/2021 8:25 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

NOTES

MAINTAIN MINIMUM BRIDGE CLEARANCE OF 16 FT

Preliminary
07/08/2021 1:23:00 PM



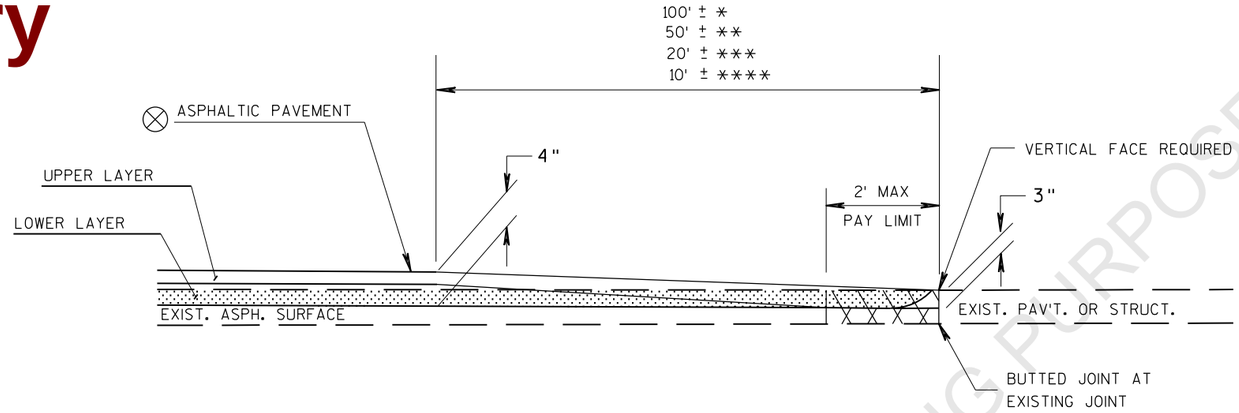
IH 43 PAVING DETAIL AT OVERHEAD STRUCTURES

EXISTING VERTICAL BRIDGE CLEARANCE DATA					
Roadway	Bridge	Overpass	Clearance	Approximate Asphalt Depths	
				NORTHBOUND	SOUTHBOUND
IH 43 NB	B-05-0234	COOPERSTOWN RD	23.78'	4"-6"	-
IH 43 SB	B-05-0234	COOPERSTOWN RD	16.48'	-	4"-6"
IH 43 NB	B-36-0083	HIDDEN VALLEY RD	17.43'	4"-6"	-
IH 43 SB	B-36-0083	HIDDEN VALLEY RD	16.59'	-	4"-6"
IH 43 NB	B-36-0089	ZANDER RD	16.26'	4"-6"	-
IH 43 SB	B-36-0089	ZANDER RD	17.21'	-	4"-6"

PRELIMINARY AND NOT FOR BIDDING PURPOSES

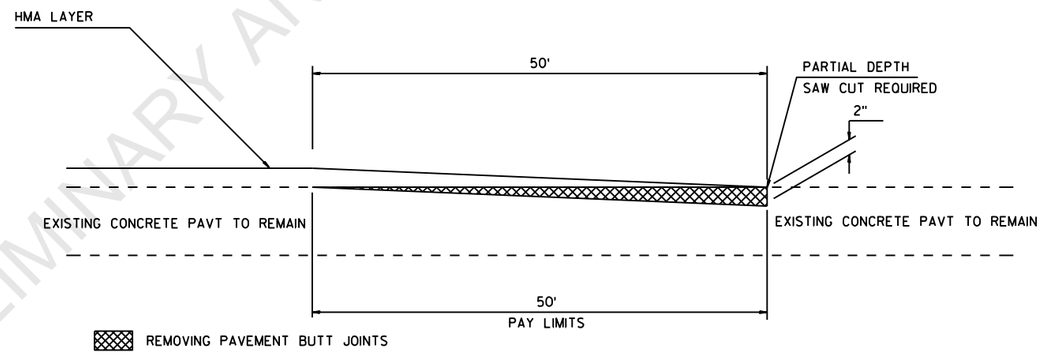
Preliminary
07/08/2021 1:23:00 PM

2



BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

* IH 43 MAINLINE
** IH 43 RAMPS & STATE & COUNTY HIGHWAYS
*** SIDEROADS
**** PRIVATE ENTRANCES



REMOVING PAVEMENT BUTT JOINT DETAIL

STH 147

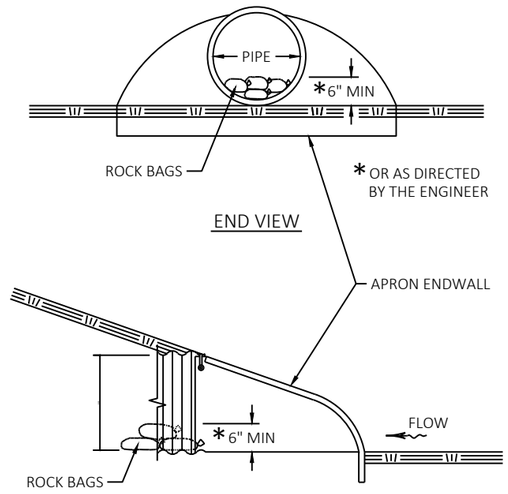
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

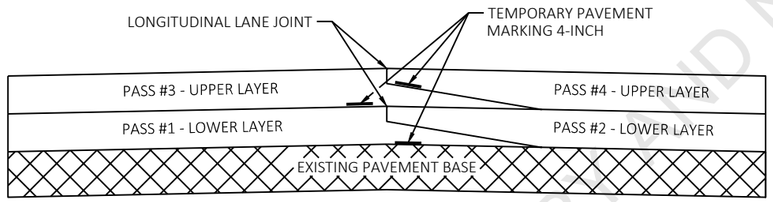
Preliminary

07/08/2021 1:23:00 PM

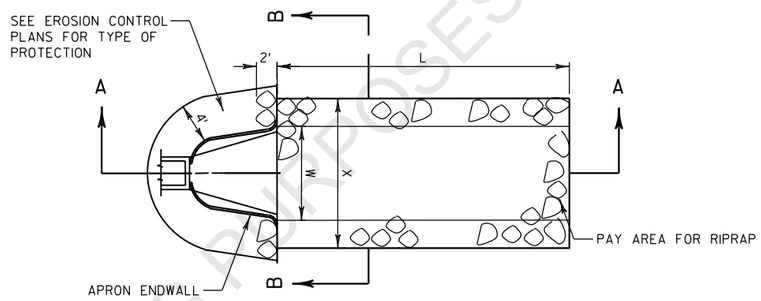
2



CULVERT PIPE CHECKS



PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS



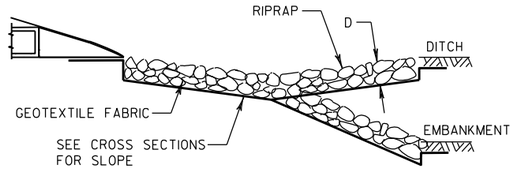
PLAN VIEW

L = 3 x W (NOR.) OR 10' MIN. OR AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

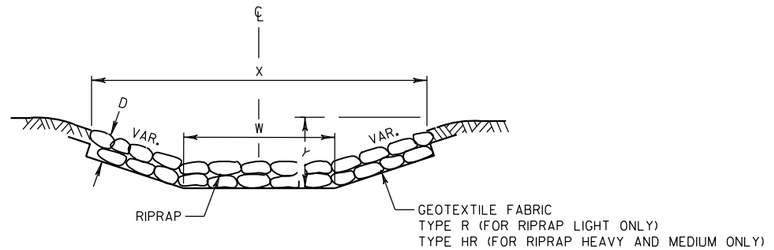
D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+(2 X (PIPE DIAMETER))

Y = 0' FOR TYPICAL CULVERT DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE



SECTION A-A



SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

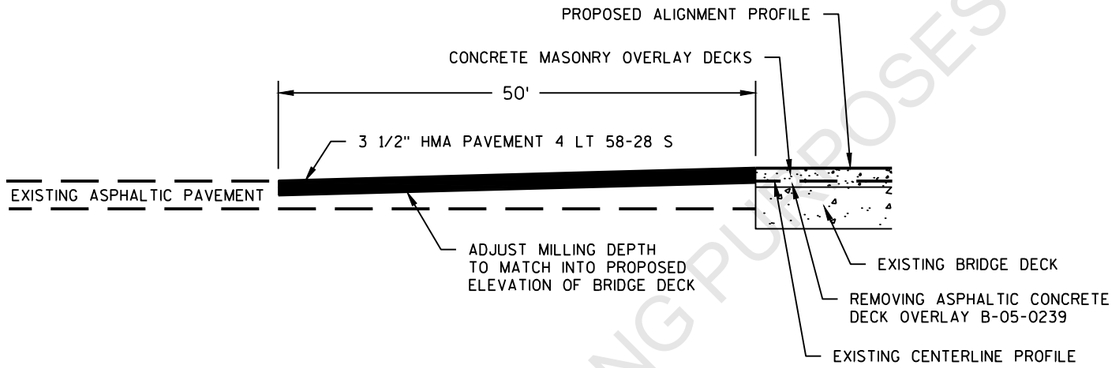
SEE EROSION CONTROL PLAN FOR LOCATIONS

PRELIMINARY - NOT FOR BIDDING PURPOSES

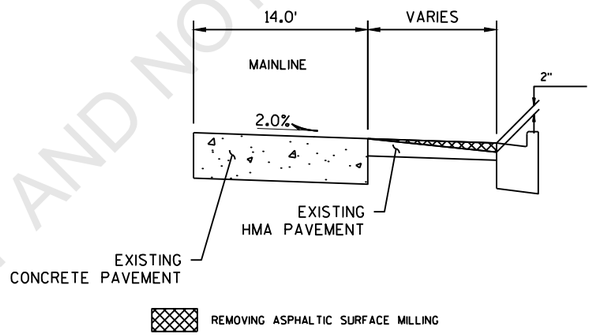
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

Preliminary

07/08/2021 1:23:01 PM



DETAIL FOR TRANSITION FROM STRUCTURE B-05-0239 TO ROADWAY



ASPHALTIC SURFACE MILLING AT DRIVEWAY ENTRANCE WITH CURB & GUTTER

STH 147

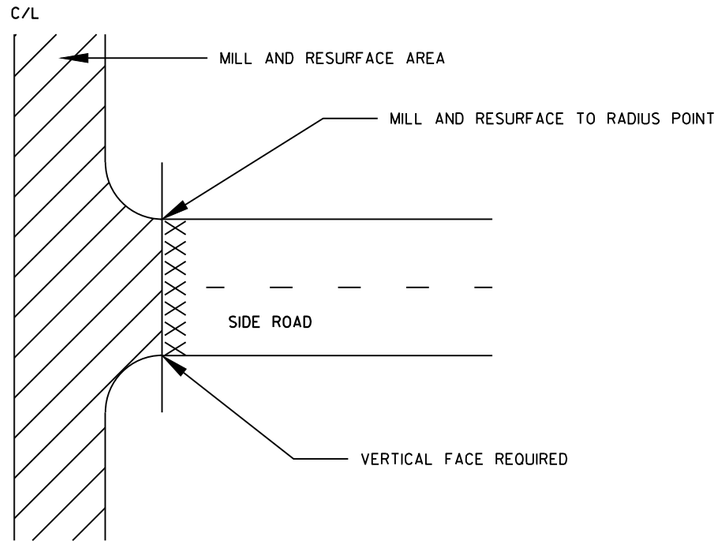
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

Preliminary

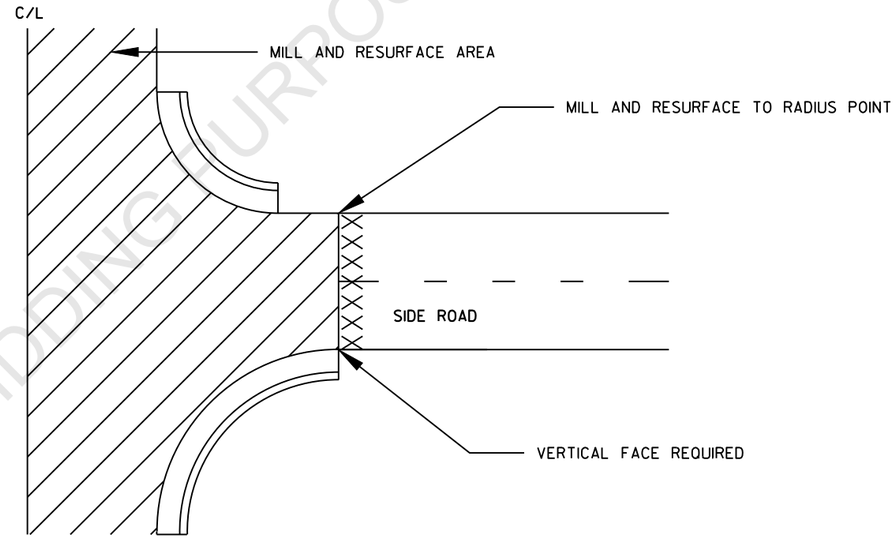
07/08/2021 1:23:01 PM

SIDE ROAD DETAIL - NO CURB & GUTTER
NOT TO SCALE

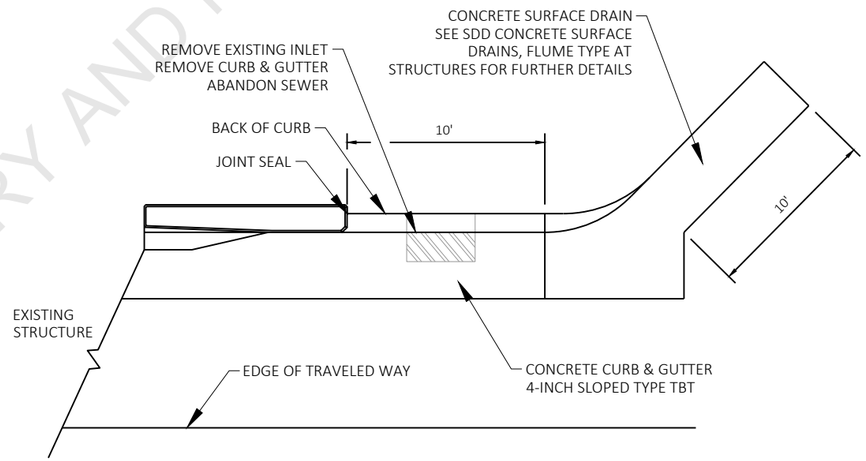


PLAN VIEW

SIDE ROAD DETAIL - CURB & GUTTER
NOT TO SCALE



PLAN VIEW



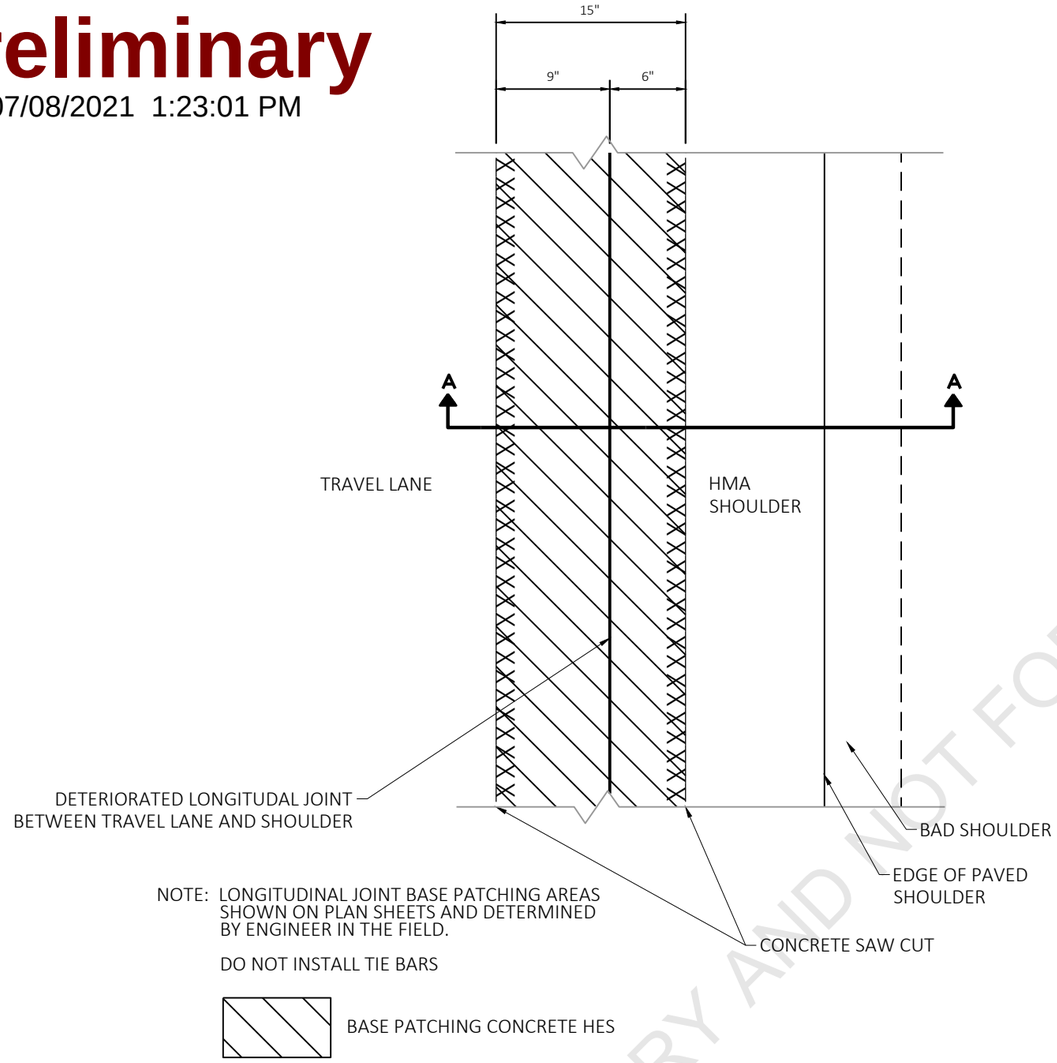
CONCRETE SURFACE DRAIN AT STRUCTURES WITHOUT BEAMGUARD

PRELIMINARY AND NOT FOR BIDDING PURPOSES

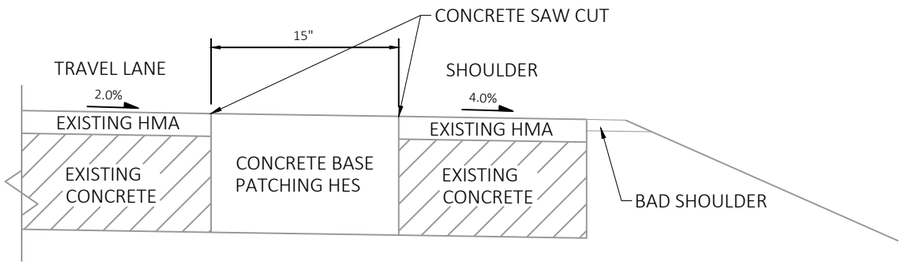
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

Preliminary

07/08/2021 1:23:01 PM



PLAN VIEW



SECTION VIEW A-A

BASE PATCHING SHOULDER LONGITUDINAL JOINT

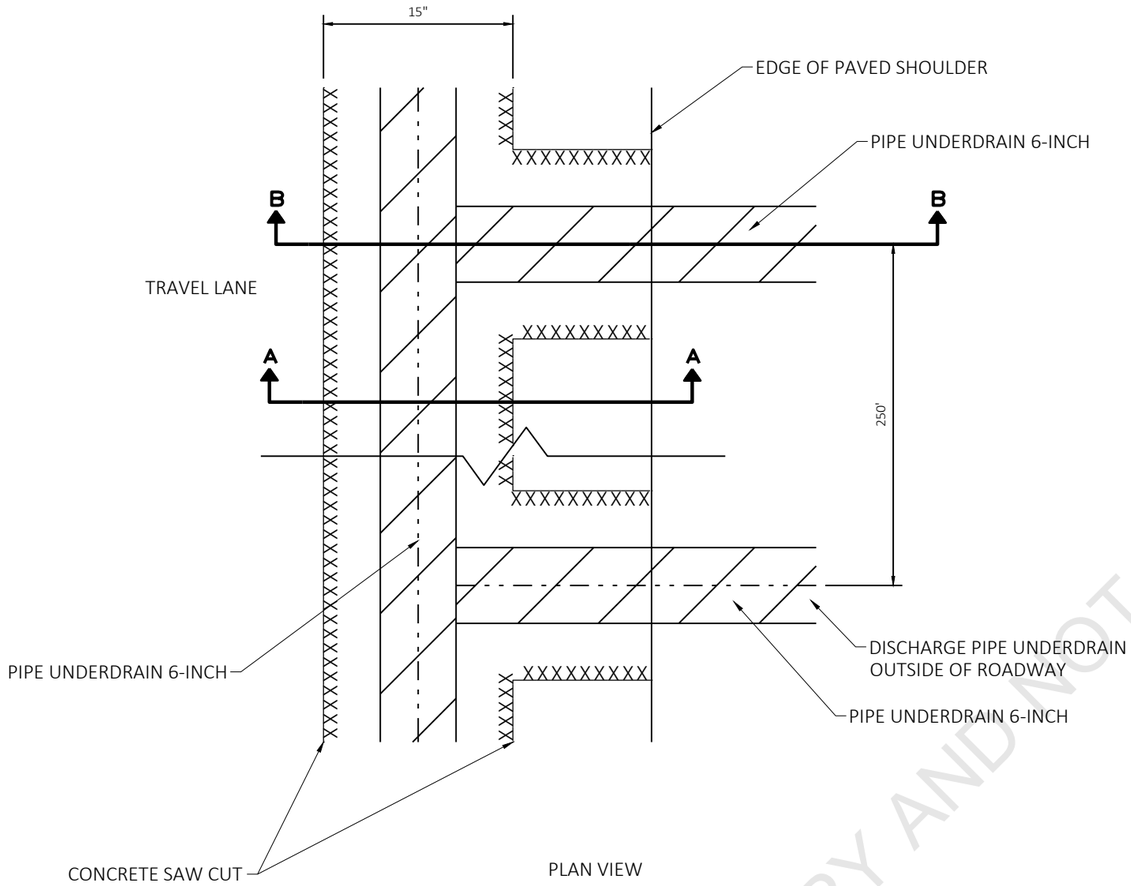
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\021001-CD.DWG
LAYOUT NAME - 021011-cd
PLOT DATE : 6/16/2021 8:25 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:01 PM

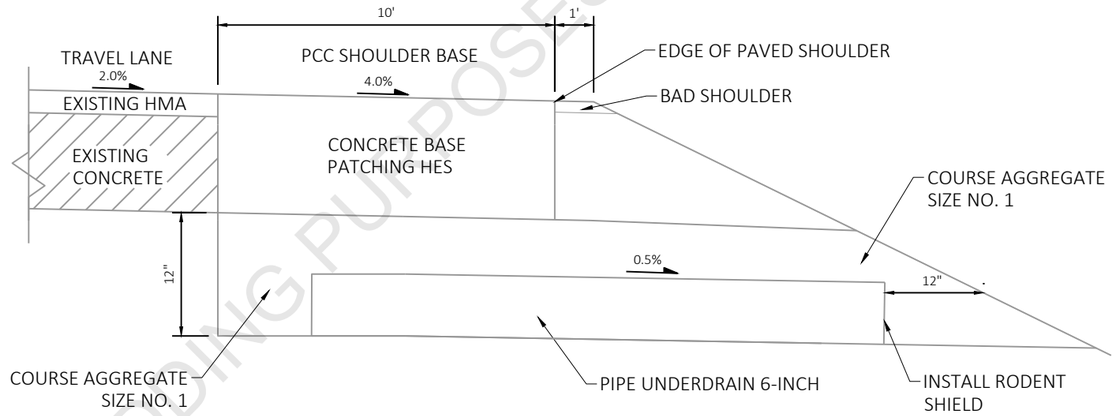


PLAN VIEW

NOTE: ENGINEER TO DETERMINE THE LOCATIONS IN THE FIELD TO PLACE PIPE UNDERDRAIN

REFER TO THE FOLLOWING SDD'S
EDGEDRAIN OUTLET AND OUTFALL MARKERS
EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

REFER TO SPV.0090 PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE



SECTION VIEW B-B

SECTION VIEW A-A

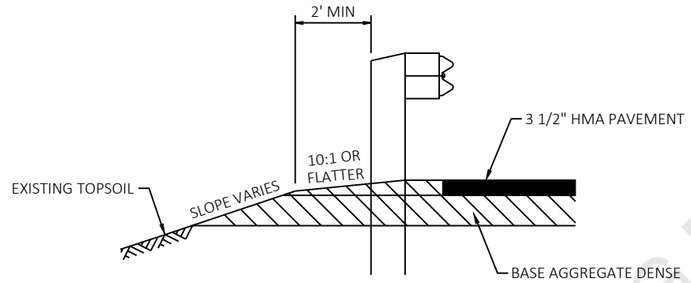
PIPE UNDERDRAIN FOR LONGITUDINAL JOINT BASE PATCH AREAS

PRELIMINARY AND NOT FOR BIDDING PURPOSES

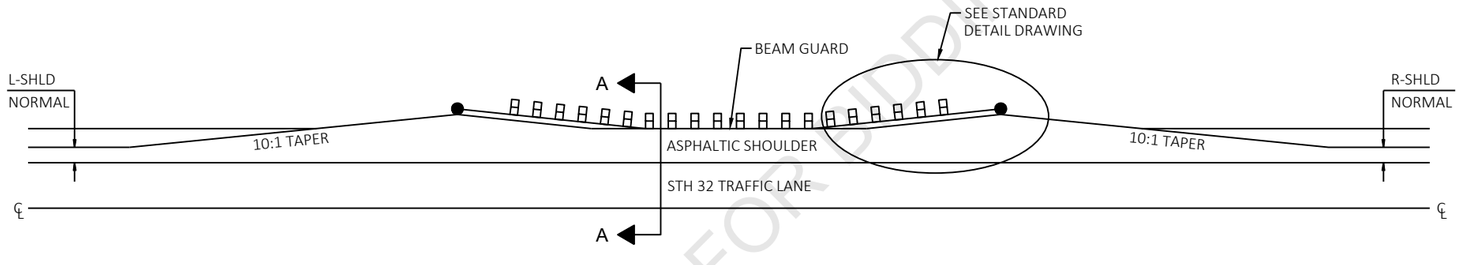
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

Preliminary

07/08/2021 1:23:01 PM



SECTION A-A



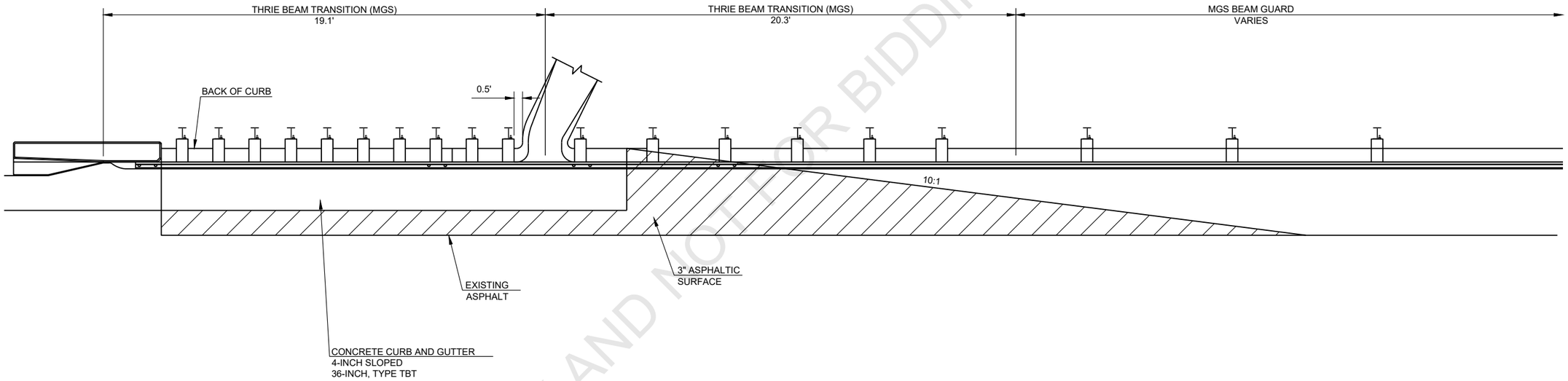
DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

Preliminary

07/08/2021 1:23:02 PM



CONCRETE SURFACE DRAIN DETAIL AT OVERPASSES

NOTE:
LAYOUT GUARDRAIL POST LOCATIONS BEFORE POURING CONCRETE CURB AND GUTTER TO LOCATE THE EXACT LOCATION OF THE SURFACE DRAIN.

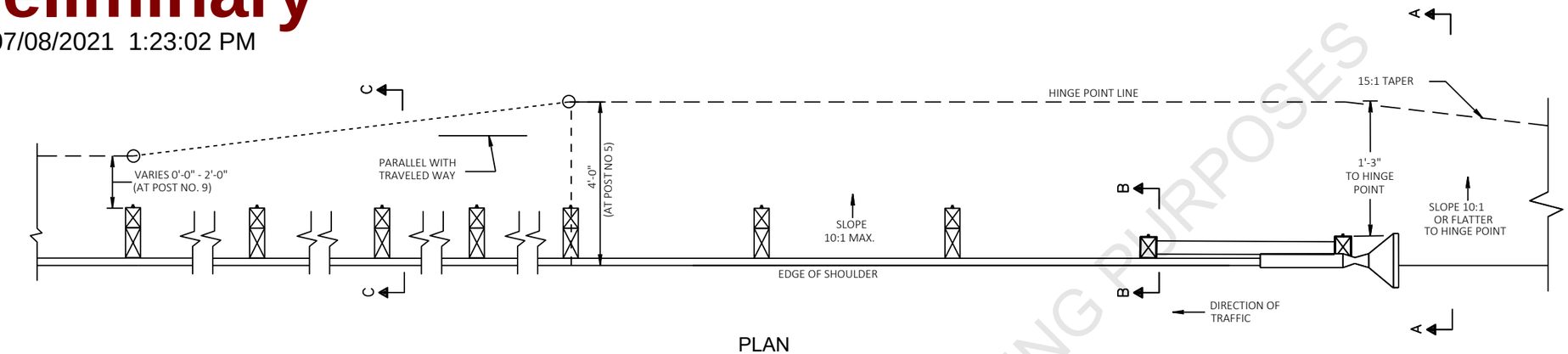
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

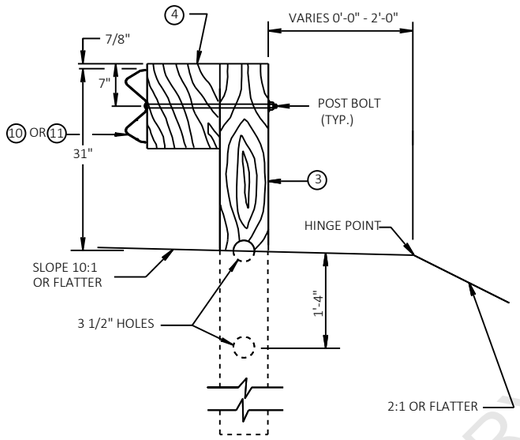
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021001_CD.DWG
LAYOUT NAME - 021001_cd
PLOT DATE : 3/9/2021 9:51 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:02 PM

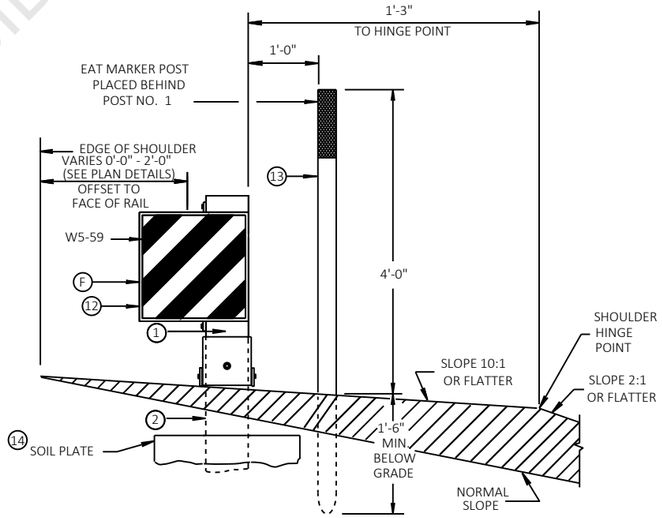


PLAN



SECTION C-C

TYPICAL AT POST NOS. 3-9



SECTION A-A

TYPICAL AT POST NO. 1 *

NOTE:
SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR OTHER DETAILS AND NOTES.

MIDWEST GUARDRAIL SYSTEM EAT AT OVERPASSES

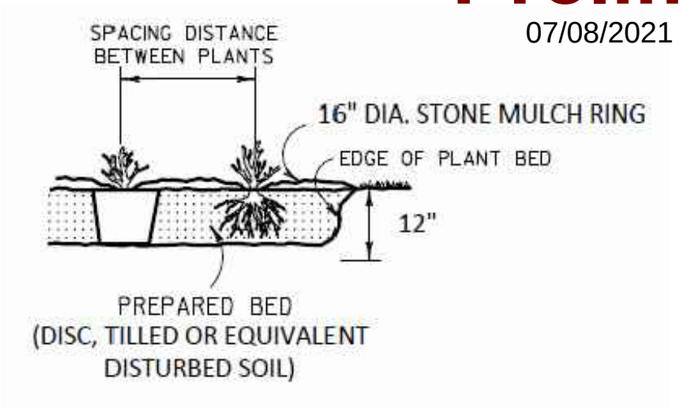
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

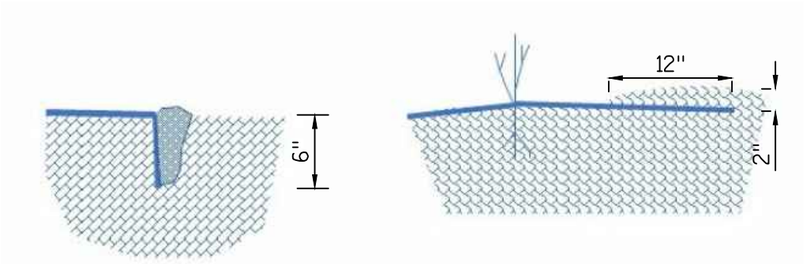
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021002_CD.DWG
LAYOUT NAME - 021002_cd
PLOT DATE : 3/9/2021 9:52 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

Preliminary

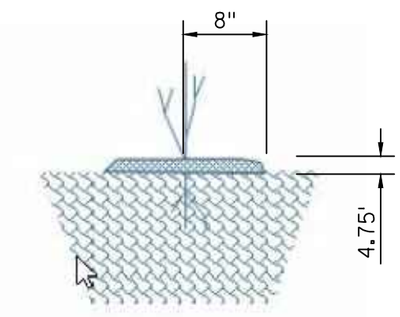
07/08/2021 1:23:02 PM



PLANTING BED DETAIL



FABRIC EDGE DETAIL



GRAVEL RING DETAIL

Planting Process Expectations

ENDANGERED SPECIES EXPECTATIONS

- MOWING MUST BEGIN THE FIRST WEEK OF APRIL, TO A MAX HEIGHT OF 6-INCHES.
- MOWING MUST BE MAINTAINED UP TO THE DATE OF INSTALL TO PREVENT NESTING OF ENDANGERED SPECIES.
- CONTRACTOR WILL TAKE GREAT CARE TO WATCH FOR, AND REMOVE, ANY TURTLES FOUND WITHIN THE LIMITS OF THE PROJECT SITE FOR THE DURATION OF THE PROJECT.

INITIAL PLANTING

1. IF REQURIED PER THE PLAN SET CLEAR AND GRUB WOODY VEGETATION.
2. APPLY HERBICIDE TO PLANTING SITE TO KILL EXISTING WEEDS.
    - APPLY MINIMUM DAYS PRIOR TO CULTIVATING SITE BASED ON MANUFACTURERS APPLICATION INSTRUCTIONS
    - APPLICATOR MUST BE CERTIFIDED AND LICENSED
2. MOW AND MAINTAIN SITE TO A HEIGHT NO MORE THAN 6-INCHES.
3. WITHIN 7 DAYS OF SEEDLING STOCK INSTALLATION PREPARE PLANTING BED BY DISCING, TILLING OR EQUIVALENT PROCESS.
    - MINIMUM SOIL DISTURBANCE TO BE 12-INCHES DEPTH AND 12-INCHES WIDTH PER ROW. SEE DETIAL.
4. APPLY PRE-EMERGENT HERBICIDE TO THE PLANTING BED.
    - MINIMUM DAYS PRIOR TO PLANTING THE SEEDLING STOCK SITE BASED ON MANUFACTURERS APPLICATION INSTRUCTIONS
    - APPLICATOR MUST BE CERTIFIDED AND LICENSED
5. SOAK SEEDLING STOCK ROOTS 1 TO 24 HOURS PRIOR TO PLANTING.
6. PLANT SEEDLING STOCK AND INSTALL SPECIFIED WEED BARRIER FABRIC OR EQUIVANT. PICK FROM TWO OPTIONS.

HAND PLANTING OPTION	MACHINE PLANTING OPTION
A. PLACE SPECIFIED WEED BARRIER FABRIC OR EQUIVILANT. SEE STEP 7 FOR MORE DETAILS. B. HAND PLANT SEEDLING STOCK THOURGH THE FABRIC	A. MACHINE PLANT SEEDLING STOCK WITH PULL BEHIND PLANTER B. PLACE SPECIFIED WEED BARRIER FABRIC OR EQUIVILANT. SEE STEP 7 FOR MORE DETAILS.

7. FABRIC INSTALLATION SHALL FOLLOW THESE GUIDELINES
    - INSTALLATION SHALL BE THE WIDTH OF THE PLANTING BED, UNLESS APPROVED BY THE PROJECT ENGINEER.
    - ALL PLANTS SHOULD INSTALLED BE 1.5-FEET FROM ALL EDGES OF THE FABRIC.
    - WHEN CUTTING HOLES IN THE FABRIC INDIVIDUAL SLITS SHALL BE LARGE ENOUGH TO PULL THE SHRUB THROUGH AND NO MORE. EXCESS SPACE LEADS TO WEED COMPETION.
    - STAPLES SHALL BE PLACED ACCORDING TO MANUFACTURER'S RECOMMENDATION.
    - CONTRACTOR SHALL SECURE THE OUTSIDE EDGE OF FABRIC BY EITHER CREATEING A 2-INCHE SOIL BERM ON THE OUTSIDE ONE FOOT OF FABRIC OR DEPRESS 6-INCHES OF OUTSIDE EDGE BELOW THE NATURAL GRADE TO PREVENT LIFTING. SEE DETAIL.
8. INSTALL PEA GRAVEL LANDSCAPE MULCH ON TOP OF FABRIC AROUND EACH PLANT HOLE. SEE DETAIL.
    - PEA GRAVEL MULCH SHALL BE USED TO PREVENT WEED GROWTH IN THE CUT SLITS MADE IN THE FABRIC.
    - SWEEP AND/OR BLOW ANY SOIL, STRAW MULCH, OR OTHER DEBRIS OFF THE TOP OF THE FABRIC PRIOR TO THE PLACEMENT OF THE PEA GRAVEL MULCH.
    - APPLY MULCH AT A 2-INCH DEPTH AS PER THE LIVING SNOW FENCE LAYOUT DETAIL SHEET.
    - USE ¾ INCH CRUSHED AND SCREENED STONE CHIPS IN PLACE OF THE PEA GRAVEL FOR STEEP SLOPES. STONE CHIPS MUST NOT BE LIMESTONE.

REPLACING DEAD SEEDLING STOCK (EACH SPRING FOLLOWING INTIAL PLANTING)

1. MOW OUTSIDE EDGES OF WEED FABRIC TO A HEIGHT NO MORE THAN 6"
2. APPLY PRE-EMERGENT TO OUTSIDE EDGES AND EXPOSED SOIL IN FABRIC OPENING.
3. REMOVE ANY DEAD PLANT
4. CREATE A DISTURBED SOIL STATE TO A DEPTH OF 12-INCHES
5. INSTALL SEEDLING STOCK REPLACEMENTS
6. BEGIN CARE CYCLE MAINTENANCE

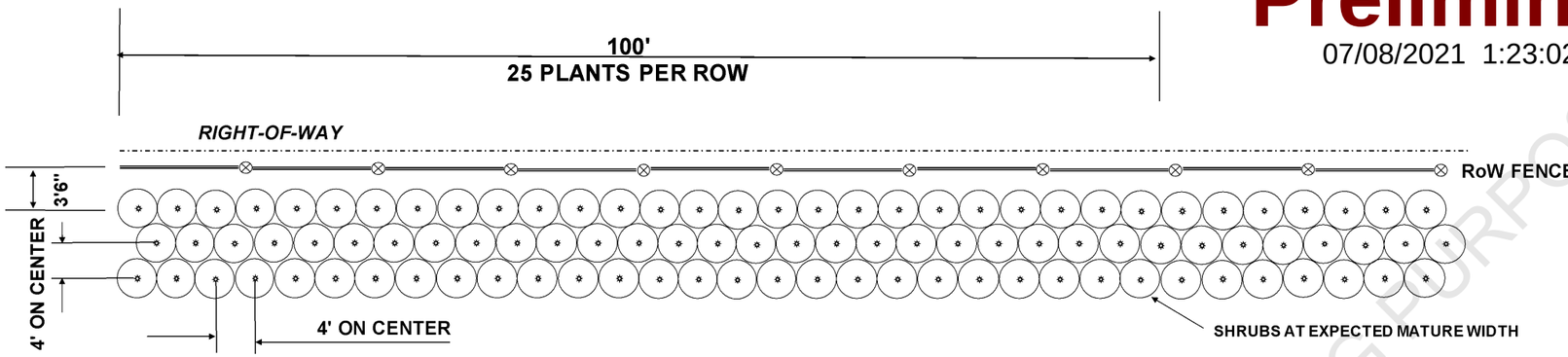
CARE CYCLE MAINTENANCE

1. TO BE PERFORMED AT A MINIMUM OF EVERY TWO WEEKS, TO A MAX OF 13 TOTAL CARE CYCLES PER GROWING SEASON
2. CONTROL WEEDS
    - HAND PULL WEEDS
    - SELECTIVE HERBICIDE TREATMENT WITH CAUTION
    - WEED EATERS/WHACKERS ARE NOT RECOMMENDED DUE HIGH POTENTIAL OF DAMAGE TO SEEDLINGS
3. WATER AS NEEDED
4. MOW SEVERAL TIMES IN THE SEASON TO CONTROL ENCROACHMENT OF UNWANTED VEGETATION.
    - OUTSIDE EDGES OF PLANTING AREA BY 3 TO 5-FEET
5. SUBMIT CARE CYCLE REPORTS EVERY CARE EVENT

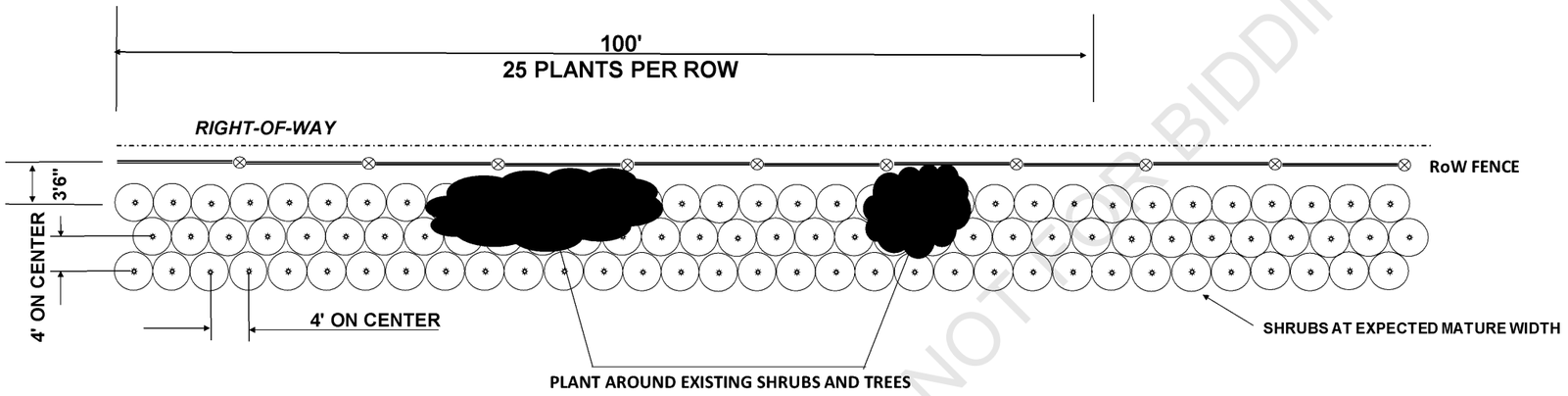
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PLANT BED DETAILS

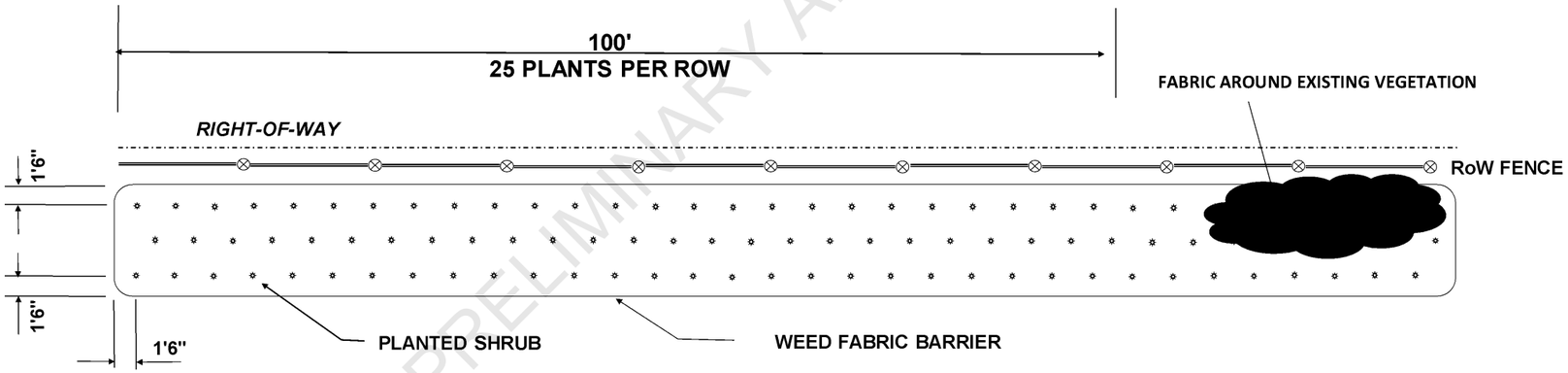
Preliminary
07/08/2021 1:23:02 PM



SHRUB DETAIL 1



SHRUB DETAIL 2



SHRUB DETAIL 3

GENERAL

WEED BARRIER LIMITS- WEED BARRIER IS TO EXTEND BEYOND THE OUTER PLANTS TO A MINIMUM DISTANCE OF 1.5'.

BASE LINE-IF A BASE LINE IS SHOWN, AT LEAST THE FIRST ROW OF PLANTS SHALL FOLLOW THE LINE.

PLANTING-SHRUBS ARE TO BE PLANTED IN INDIVIDUAL HOLES OR IN CONTINUOUS TRENCH AS SPECIFIED ON THE "PLANT DATA CHART." IF PLANTED IN A TRENCH, THE TRENCH SHALL BE AS DEEP AND AS WIDE AS THAT SPECIFIED FOR INDIVIDUAL HOLES ON THE "PLANT DATA CHART." EXCESS EXCAVATED MATERIAL MAY BE DISPOSED OF BETWEEN THE HOLES OR TRENCH IF IN THE JUDGEMENT OF THE ENGINEER IT DOES NOT CAUSE EROSION OR DAMAGE PROBLEMS. IF THIS IS DONE, PLANT ELEVATIONS WILL BE ADJUSTED ACCORDINGLY AND THE ENTIRE BED AREA WILL BE RAKED OR OTHERWISE FINISHED TO PRODUCE A UNIFORM SURFACE CONFORMING THE ORIGINAL SHAPE AND CONTOUR. THE ENTIRE BED AREA SHALL BE PLANTED.

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS - PLANTING DETAILS	SHEET	E

NOTES:
1. ALL PLANTINGS TO BE INSTALLED PARALLEL TO RIGHT OF WAY FENCE.
2. MAINTAIN CONTINUOUS LINEAR PLANTINGS WITHOUT OPENINGS OR GAPS, WHERE POSSIBLE.
3. WEED FABRIC SHRUB BEDS TO LIMITS INDICATED ON DETAIL PLAN SHEETS.

Preliminary
07/08/2021 1:23:02 PM

PLANT DATA CHART

SYMBOL	COMMON NAME	SCIENTIFIC NAME	TYPE	AVE MATURE HEIGHT	SIZE (CAL OR HT) WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE					BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROTCT REQ'D	MULCH RING DIAM.	PLT BED DTL
							BALL/POT		ROOT SPREAD	PLANT HOLE						
							DIAM.	DEPTH		DIAM.	DEPTH					
	DECIDUOUS SHRUBS															
RO	Red Osier Dogwood	Cornus sericea	2S	10'	12-18"	BR*	9"	6"		**	6"	NO	2	NO	NO	BED
AF	American Hazelnut (Filbert)	Corylus americana	3S	8'	12-18"	BR*	9"	6"		**	6"	NO	2	NO	NO	BED
CN	Common Ninebark	Physocarpus opulifolius	3S	8'	12-18"	BR*	9"	6"		**	6"	NO	2	NO	NO	BED

BR: Bare Root
B&B: Balled and Burlapped
CG: Container Grown

* Container Grown (CG) may be substituted
**Width based on size of equipment: 6" Powered Auger, Pull behind planter, or Spade

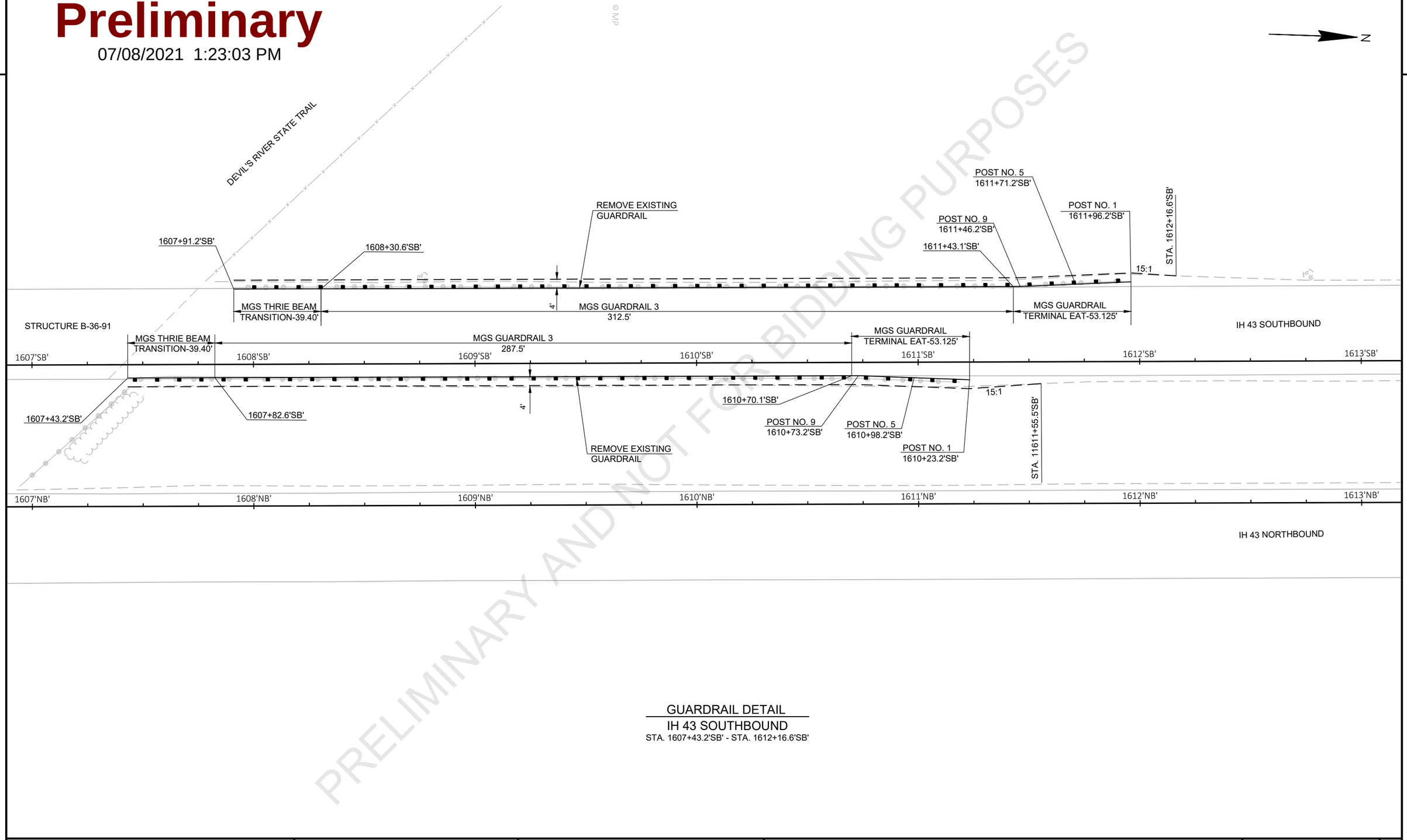
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS: LIVING SNOW FENCE - PLANTING DETAILS	SHEET	E

FILE NAME : C:\CIVIL 3D PROJECTS\12271200\SHEETSPLAN\1227-12-72\021002-CD.DWG
LAYOUT NAME - 021013-cd
PLOT DATE : 4/5/2021 11:29 AM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:03 PM



GUARDRAIL DETAIL

IH 43 SOUTHBOUND

STA. 1607+43.2'SB' - STA. 1612+16.6'SB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

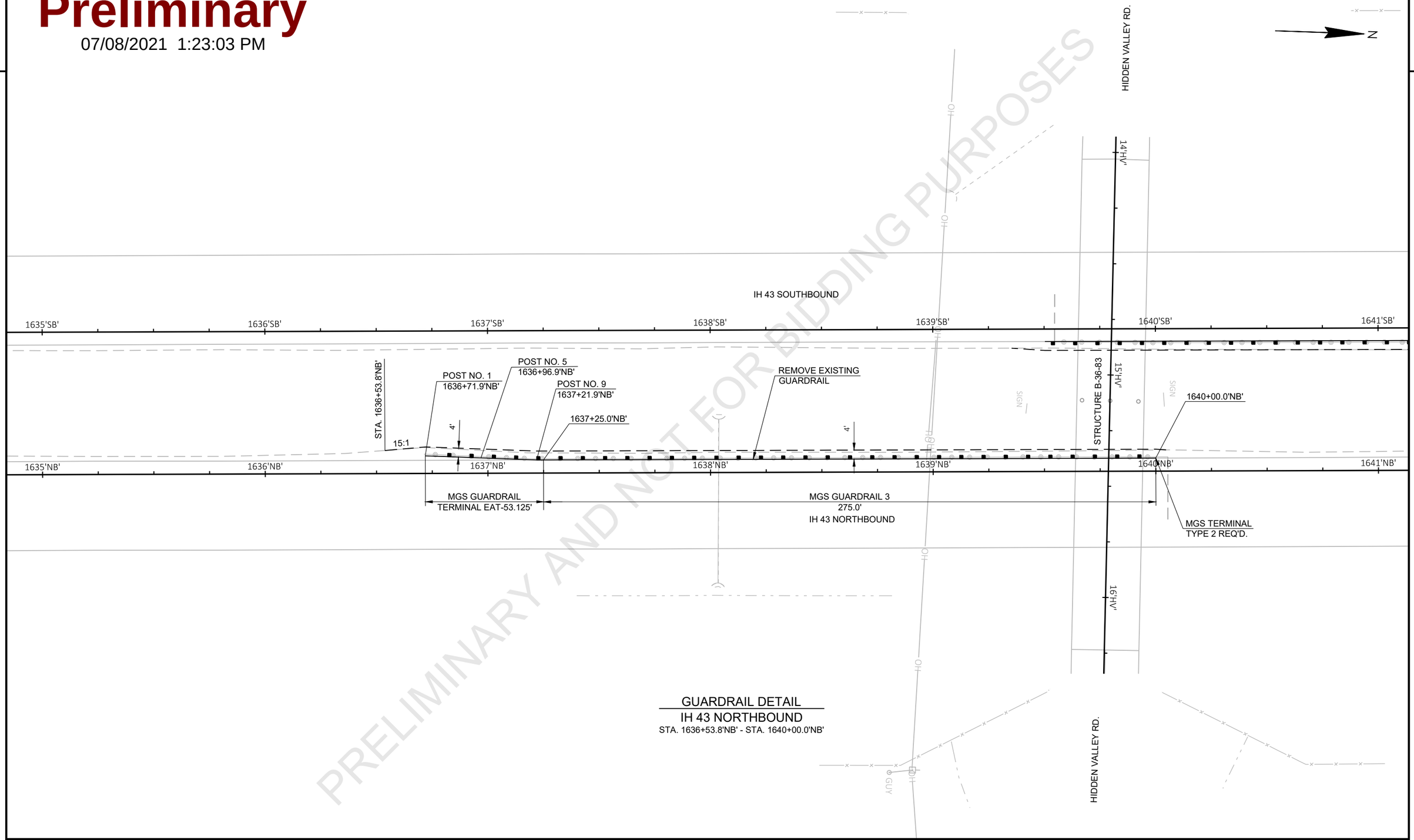
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021201_pd

PLOT DATE : 3/9/2021 9:52 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

Preliminary

07/08/2021 1:23:03 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
IH 43 NORTHBOUND
STA. 1636+53.8'NB' - STA. 1640+00.0'NB'

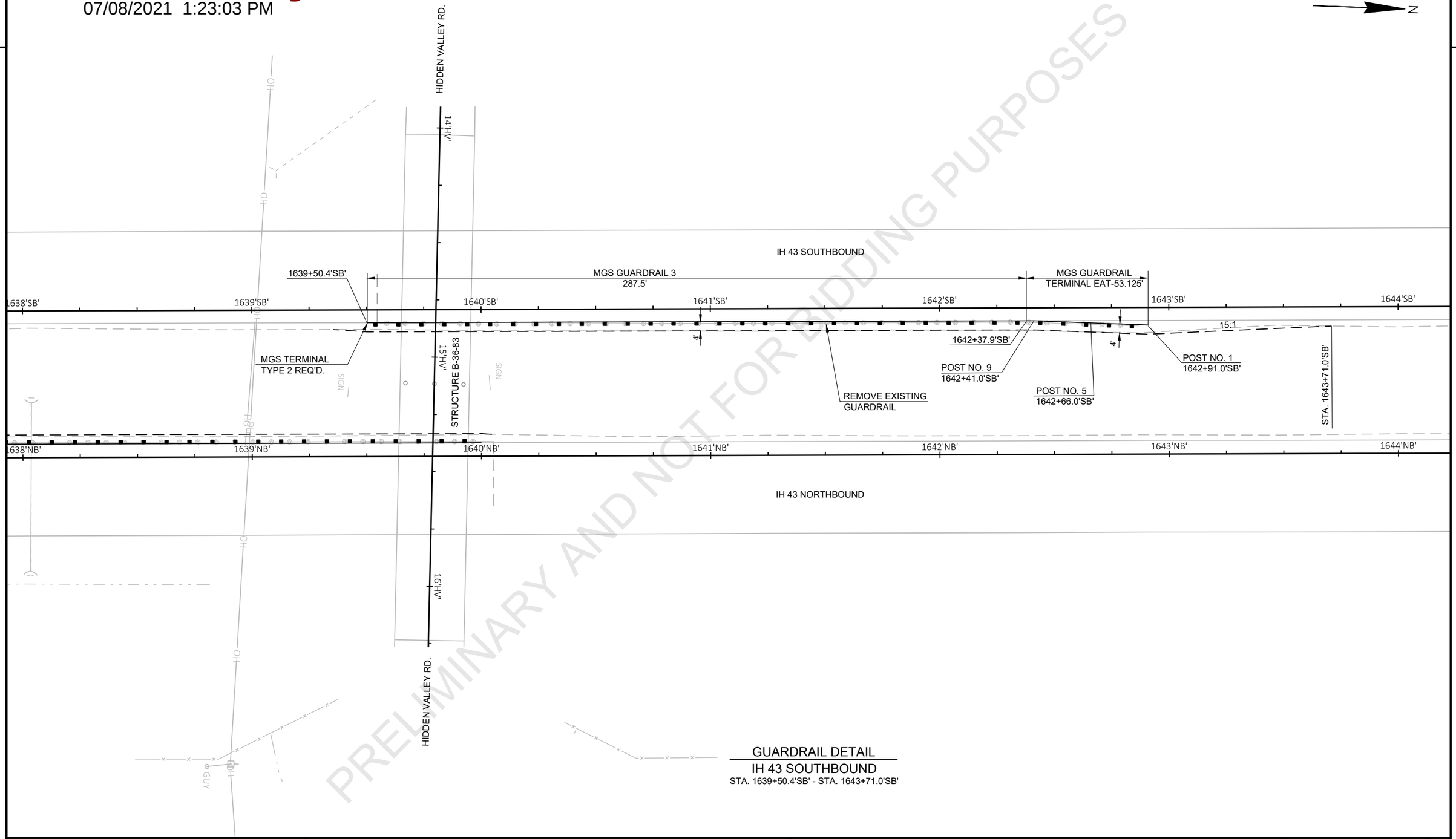
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021202_pd

PLOT DATE : 3/9/2021 9:53 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

Preliminary

07/08/2021 1:23:03 PM



GUARDRAIL DETAIL
IH 43 SOUTHBOUND
STA. 1639+50.4'SB' - STA. 1643+71.0'SB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021203_pd
PLOT DATE : 3/9/2021 9:53 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

xxxxxxxxx SAW CUT

Preliminary

07/08/2021 1:23:03 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

N

IH 43 SOUTHBOUND

1660'SB' 1661'SB' 1662'SB' 1663'SB' 1664'SB' 1665'SB' 1666'SB'

STA. 1661+80.5'NB'

POST NO. 1 1661+93.7'NB'

POST NO. 5 1662+18.7'NB'

POST NO. 9 1662+43.7'NB'

1662+46.8'NB'

REMOVE EXISTING GUARDRAIL

CONCRETE CURB AND GUTTER 36-INCH TYPE TBT REQ'D.

1664+84.3'NB'

CONCRETE SURFACE DRAIN REQ'D.

BEGIN CONCRETE CURB AND GUTTER STA. 1664+78.6'NB'

1665+23.7'NB'

15:1 4'

1660'NB' 1661'NB' 1662'NB' 1663'NB' 1664'NB' 1665'NB' 1666'NB'

MGS GUARDRAIL TERMINAL EAT-53.125'

MGS GUARDRAIL 3 237.5'

MGS THRIE BEAM TRANSITION-39.40'

IH 43 NORTHBOUND

STRUCTURE B-36-94

MGS GUARDRAIL TERMINAL EAT-53.125'

MGS GUARDRAIL 3 287.5'

MGS THRIE BEAM TRANSITION-39.40'

15:1 4'

STA. 11660+97.6'NB'

POST NO. 1 1661+42.0'NB'

POST NO. 5 1661+67.0'NB'

1661+95.1'NB'

POST NO. 9 1661+92.0'NB'

REMOVE EXISTING GUARDRAIL

BEGIN CONCRETE CURB AND GUTTER STA. 1664+76.9'NB'

CONCRETE SURFACE DRAIN REQ'D.

1664+82.6'NB'

CONCRETE CURB AND GUTTER 36-INCH TYPE TBT REQ'D.

1665+22.0'NB'

STH 147/CTH Z

STH 147

15'ZEB' 17'ZEB' 18'ZEB'

SS OH GUY

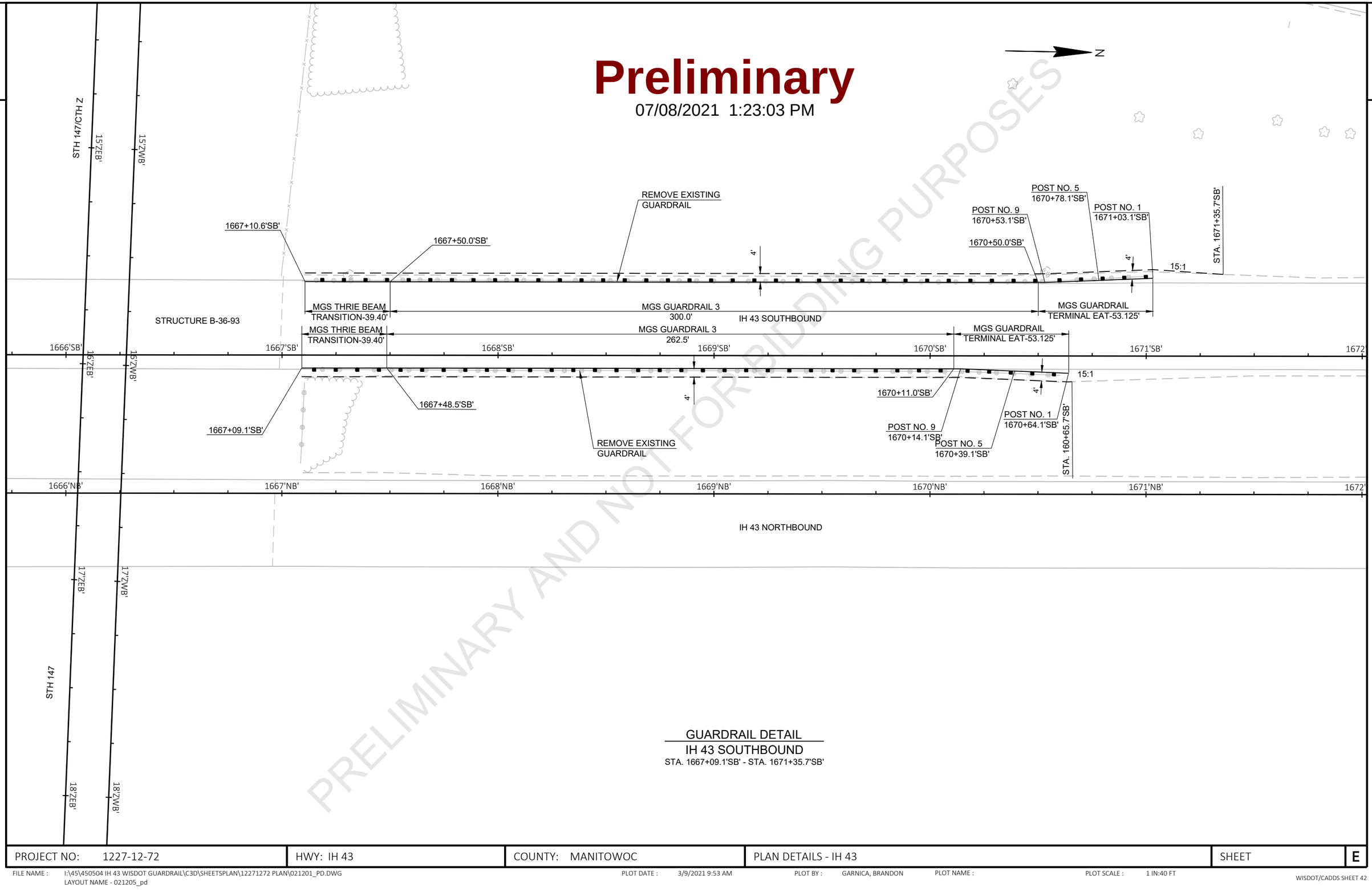
GUARDRAIL DETAIL
IH 43 NORTHBOUND
STA. 1660+97.6'NB' - STA. 1665+23.7'NB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021204_pd

PLOT DATE : 3/9/2021 9:53 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

Preliminary
07/08/2021 1:23:03 PM



GUARDRAIL DETAIL
IH 43 SOUTHBOUND
STA. 1667+09.1'SB' - STA. 1671+35.7'SB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

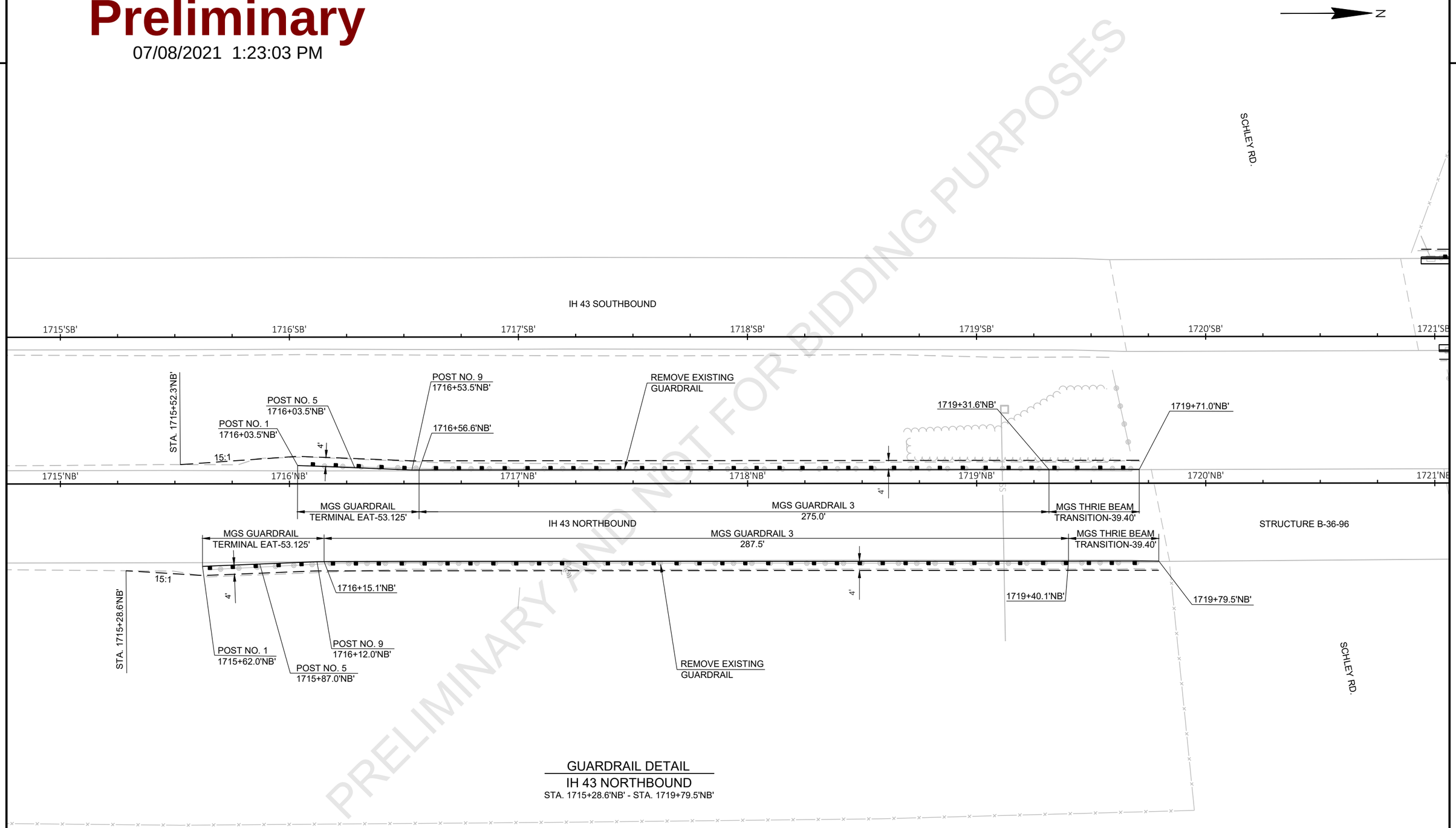
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021205_pd
PLOT DATE : 3/9/2021 9:53 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:03 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
IH 43 NORTHBOUND
STA. 1715+28.6'NB' - STA. 1719+79.5'NB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021206_pd

PLOT DATE : 3/9/2021 9:53 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

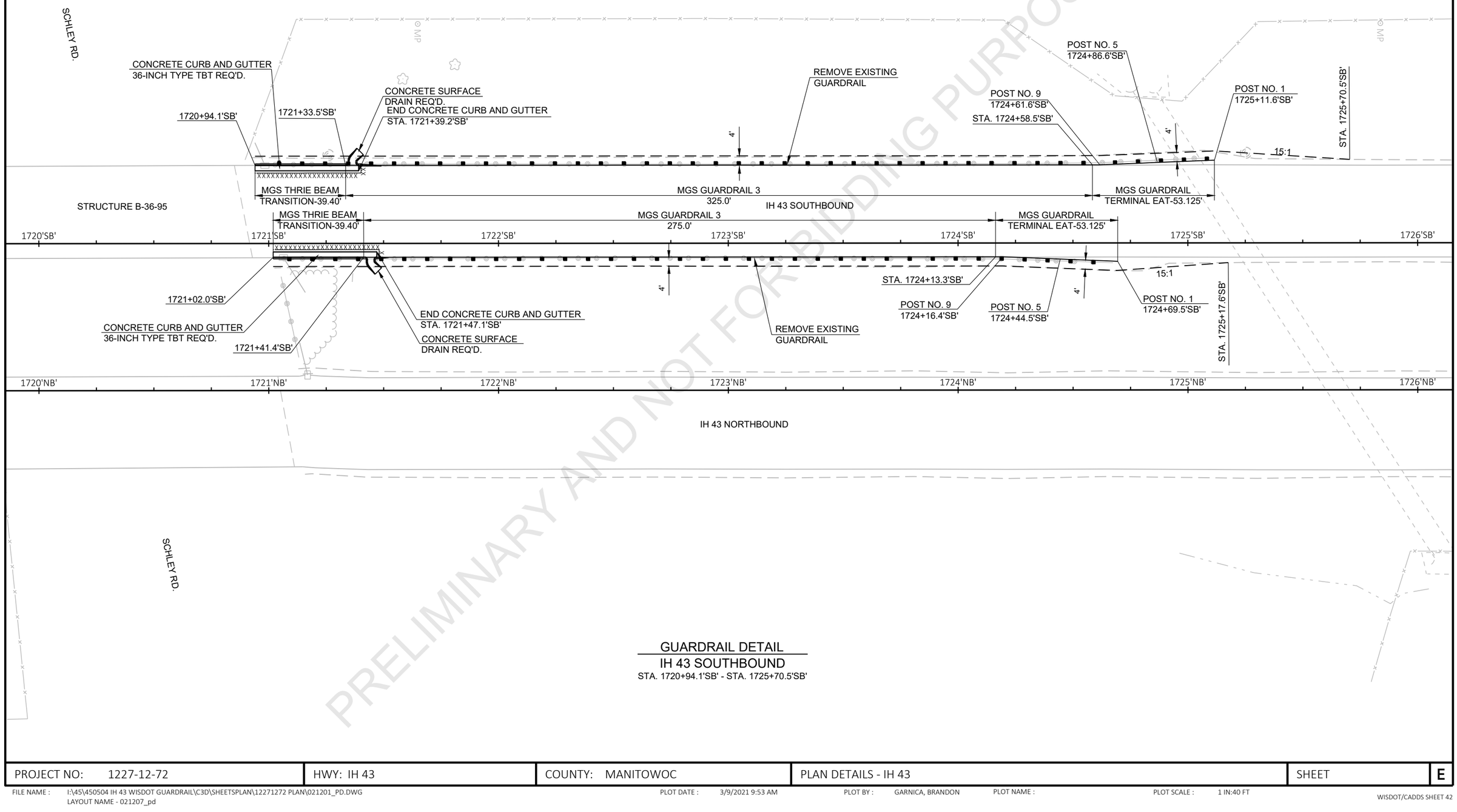
Preliminary

07/08/2021 1:23:04 PM

LEGEND

.xxxxxxxxx. SAW CUT

N



PRELIMINARY AND NOT FOR BIDDING PURPOSES

GUARDRAIL DETAIL
IH 43 SOUTHBOUND
STA. 1720+94.1'SB' - STA. 1725+70.5'SB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021207_pd
PLOT DATE : 3/9/2021 9:53 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

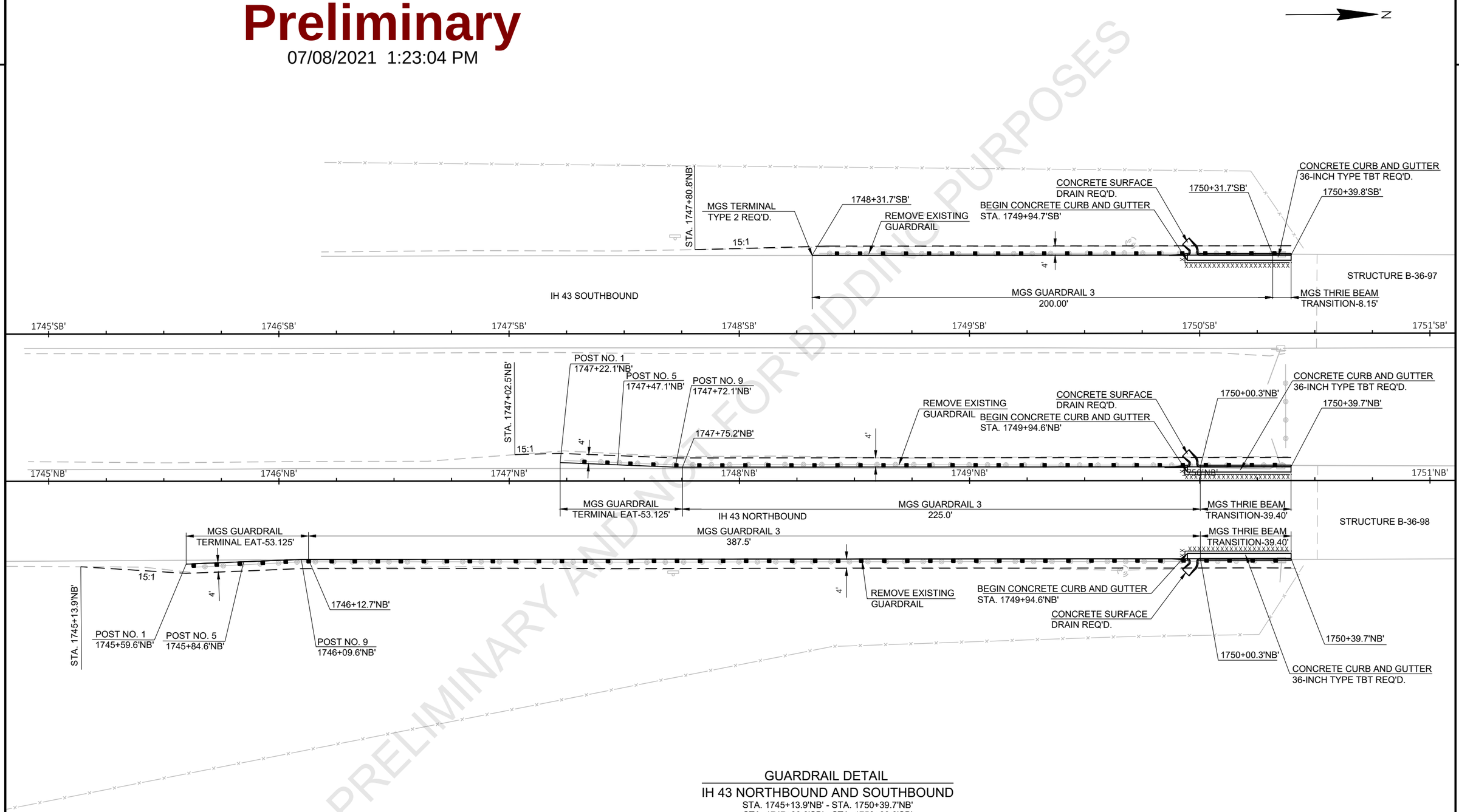
LEGEND

.xxxxxxxxx. SAW CUT

Preliminary

07/08/2021 1:23:04 PM

FOR BIDDING PURPOSES
PRELIMINARY AND NOT FOR



GUARDRAIL DETAIL

IH 43 NORTHBOUND AND SOUTHBOUND

STA. 1745+13.9'NB' - STA. 1750+39.7'NB'
STA. 1747+80.8'SB' - STA. 1750+39.8'SB'

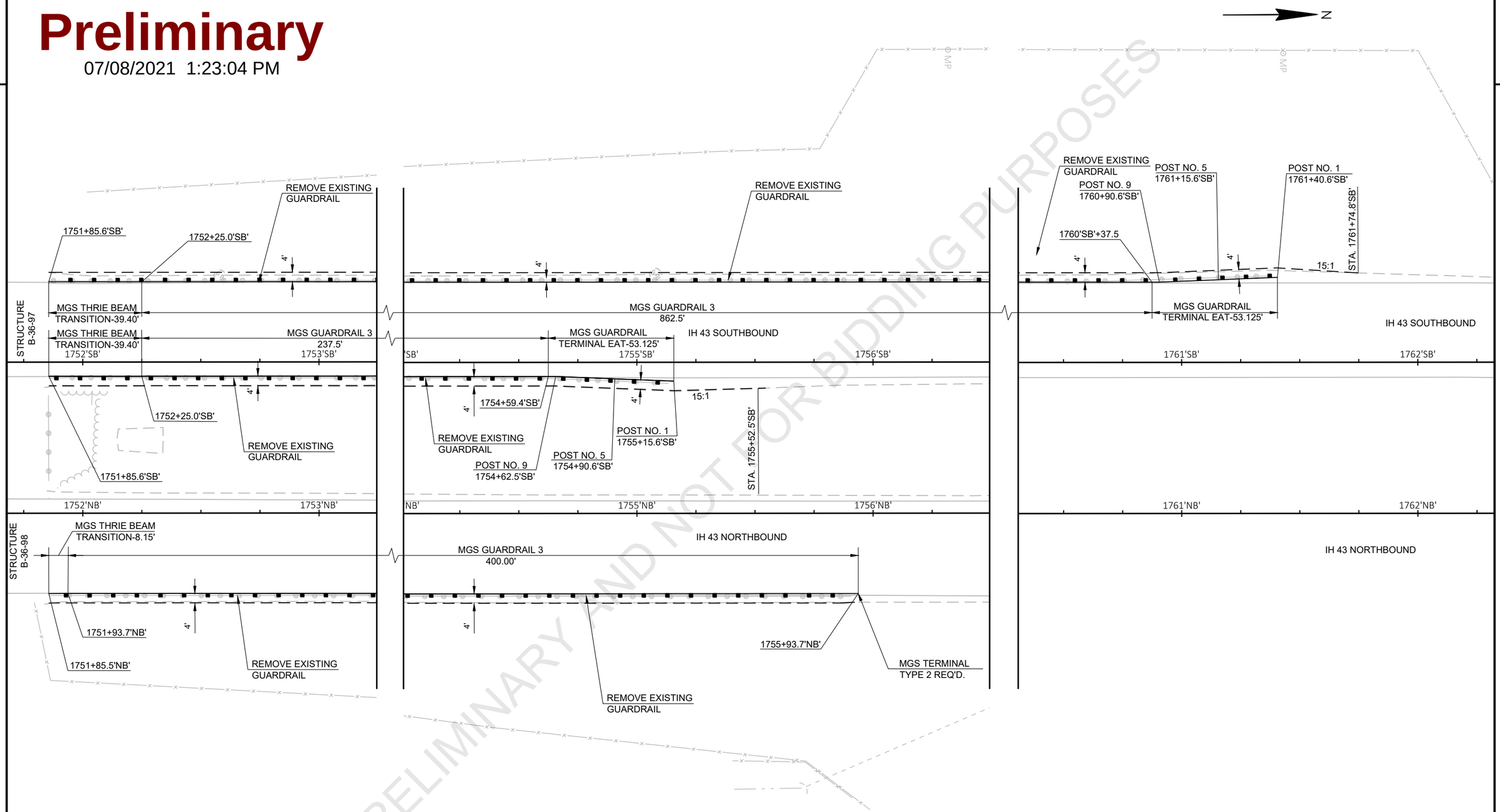
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021208_pd
PLOT DATE : 3/9/2021 9:54 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:04 PM

2



PRELIMINARY AND NOT FOR BIDDING PURPOSES

GUARDRAIL DETAIL

IH 43 NORTHBOUND AND SOUTHBOUND

STA. 1751+85.5'NB' - STA. 1755+93.7'NB'
STA. 1751+85.6'SB' - STA. 1761+74.8'SB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021209_pd
PLOT DATE : 3/9/2021 9:54 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

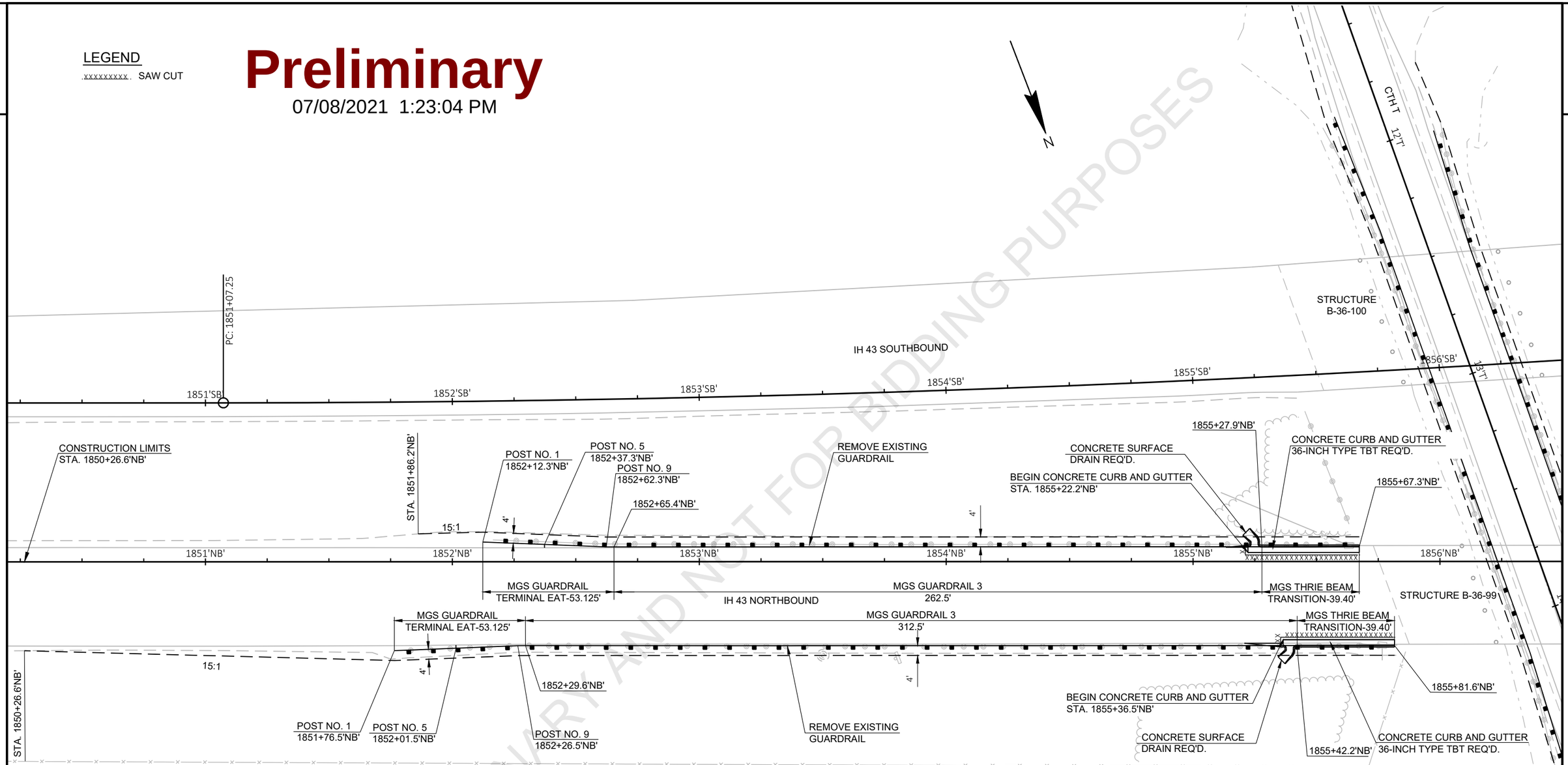
LEGEND

xxxxxxxxx SAW CUT

Preliminary

07/08/2021 1:23:04 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
IH 43 NORTHBOUND
STA. 1850+26.6'NB' - STA. 1855+81.6'NB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021210_pd

PLOT DATE : 3/9/2021 9:54 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

Preliminary

07/08/2021 1:23:04 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

N

12'T'

1856+65.3'SB'

1857+04.7'SB'

REMOVE EXISTING GUARDRAIL

POST NO. 1
1860+69.3'SB'

POST NO. 5
1860+44.3'SB'

POST NO. 9
1860+19.3'SB'

1860+16.2'SB'

15:1

STA. 1861+04.0'SB'

MGS THRIE BEAM TRANSITION-39.40'

MGS GUARDRAIL 3
309.00'

MGS GUARDRAIL TERMINAL EAT-53.125'

STRUCTURE B-36-100

IH 43 SOUTHBOUND

MGS THRIE BEAM TRANSITION-39.40'

MGS GUARDRAIL 3
212.50'

MGS GUARDRAIL TERMINAL EAT-53.125'

1856'SB'

13'T'

1857'SB'

1858'SB'

1859'SB'

1860'SB'

1861'SB'

1862'SB'

4'

1857+21.9'SB'

1856+82.5'SB'

REMOVE EXISTING GUARDRAIL

1859+34.2'SB'

15:1

POST NO. 1
1859+87.3'SB'

POST NO. 9
1859+37.3'SB'

POST NO. 5
1859+62.3'SB'

STA. 1860+50.1'SB'

OH

SS

856'NB'

1857'NB'

1858'NB'

1859'NB'

1860'NB'

1861'NB'

1862'NB'

14'T'

STRUCTURE B-36-99

IH 43 NORTHBOUND

GUARDRAIL DETAIL
IH 43 SOUTHBOUND
STA. 1856+65.3'SB' - STA. 1861+04.0'SB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021211_pd

PLOT DATE : 3/9/2021 9:55 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

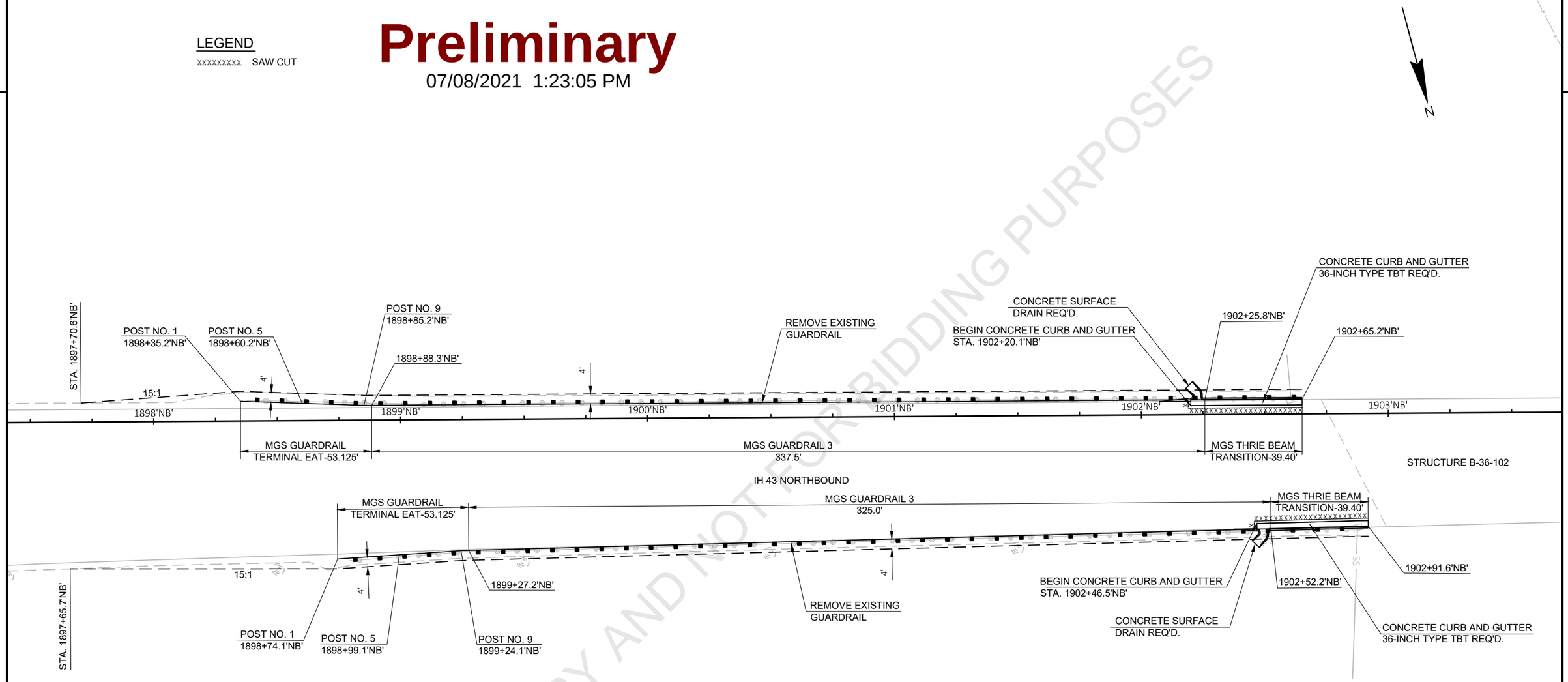
2

LEGEND

xxxxxxxxx SAW CUT

Preliminary

07/08/2021 1:23:05 PM



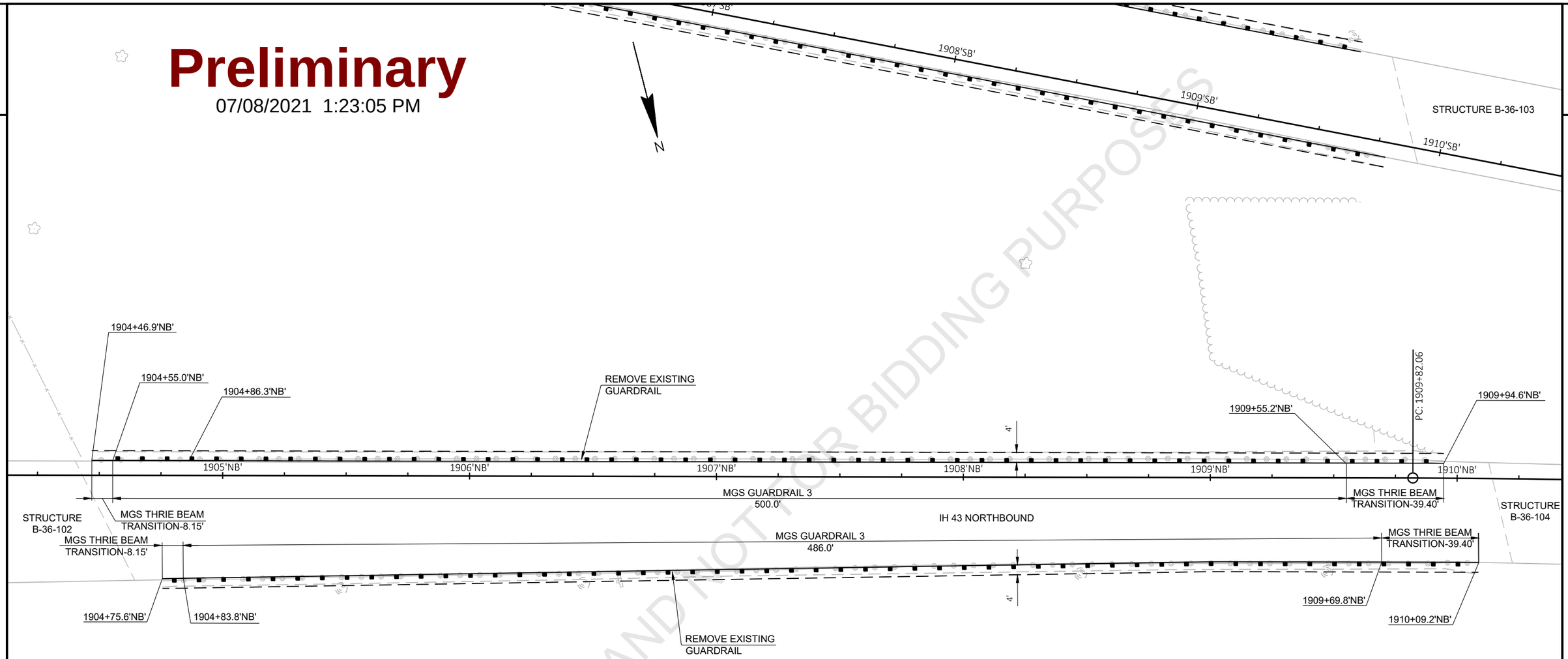
GUARDRAIL DETAIL
IH 43 NORTHBOUND
STA. 1897+65.7'NB' - STA. 1902+91.6'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

07/08/2021 1:23:05 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

GUARDRAIL DETAIL
IH 43 NORTHBOUND
STA. 1904+46.9'NB' - STA. 1910+09.2'NB'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021213_pd
PLOT DATE : 3/9/2021 9:55 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

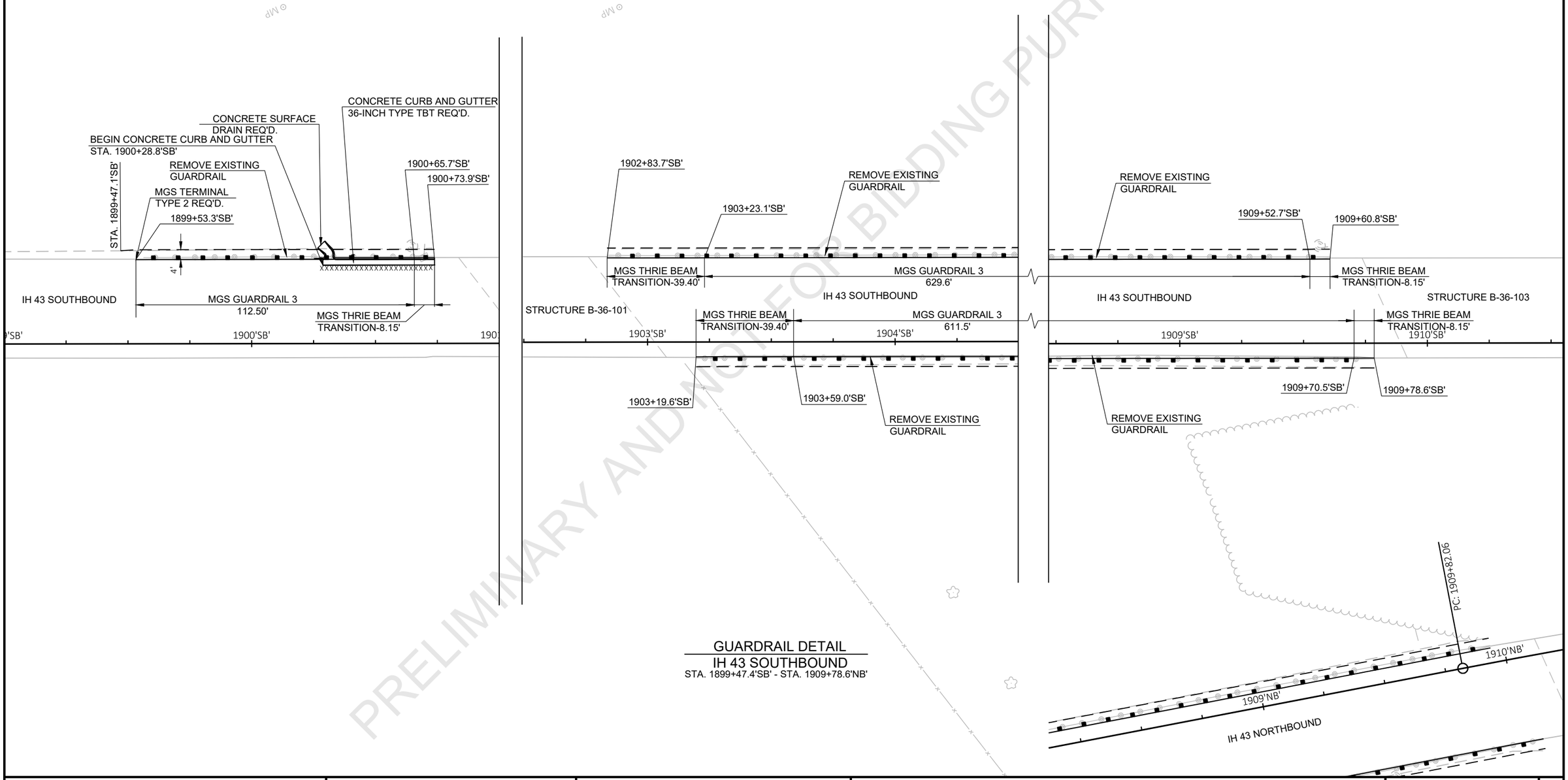
LEGEND

xxxxxxxxx SAW CUT

Preliminary

07/08/2021 1:23:05 PM

2



GUARDRAIL DETAIL
IH 43 SOUTHBOUND
STA. 1899+47.4'SB' - STA. 1909+78.6'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021214_pd
PLOT DATE : 3/9/2021 9:55 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

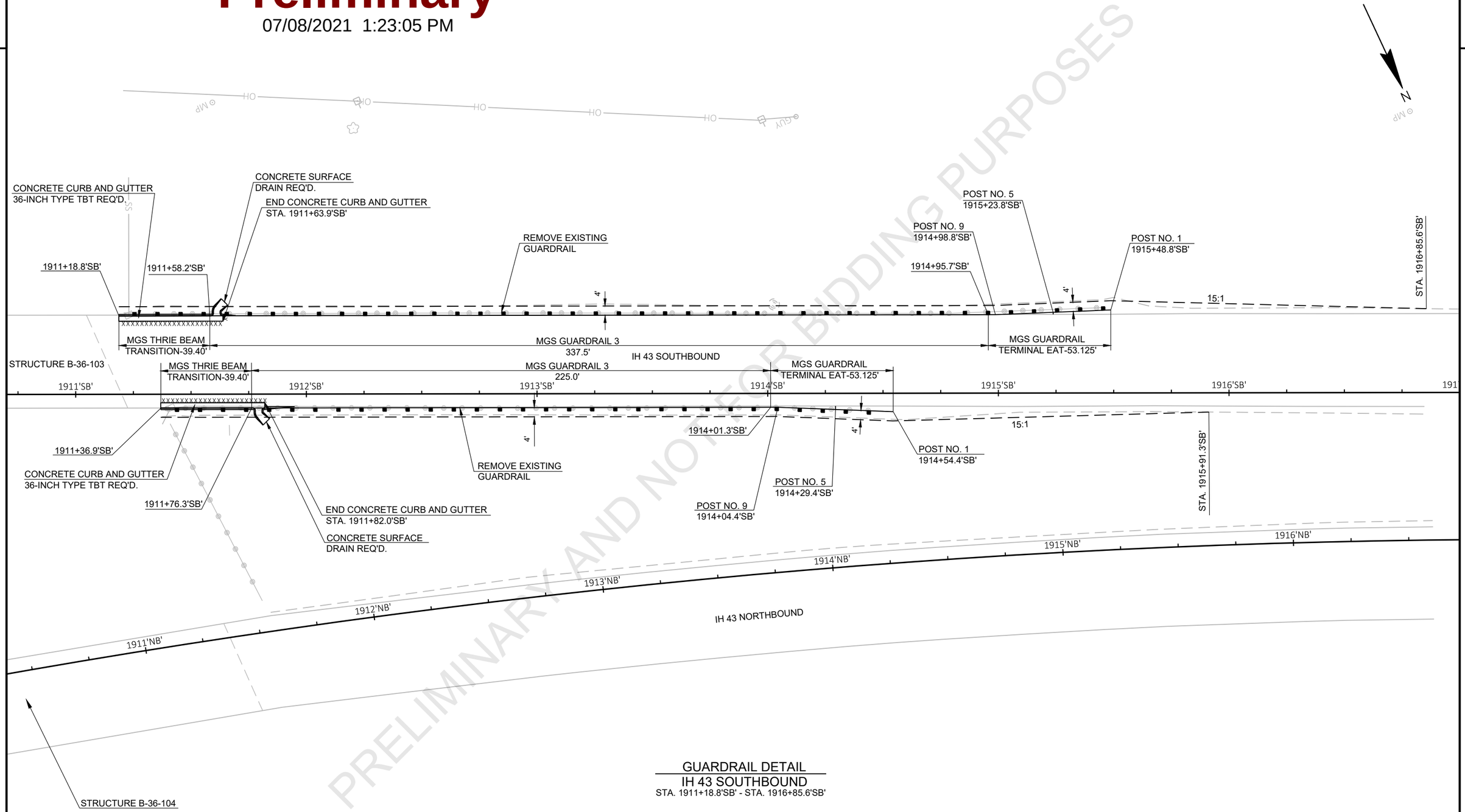
2

LEGEND

xxxxxxxxx SAW CUT

Preliminary

07/08/2021 1:23:05 PM



GUARDRAIL DETAIL
IH 43 SOUTHBOUND
STA. 1911+18.8'SB' - STA. 1916+85.6'SB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021201_PD.DWG
LAYOUT NAME - 021215_pd

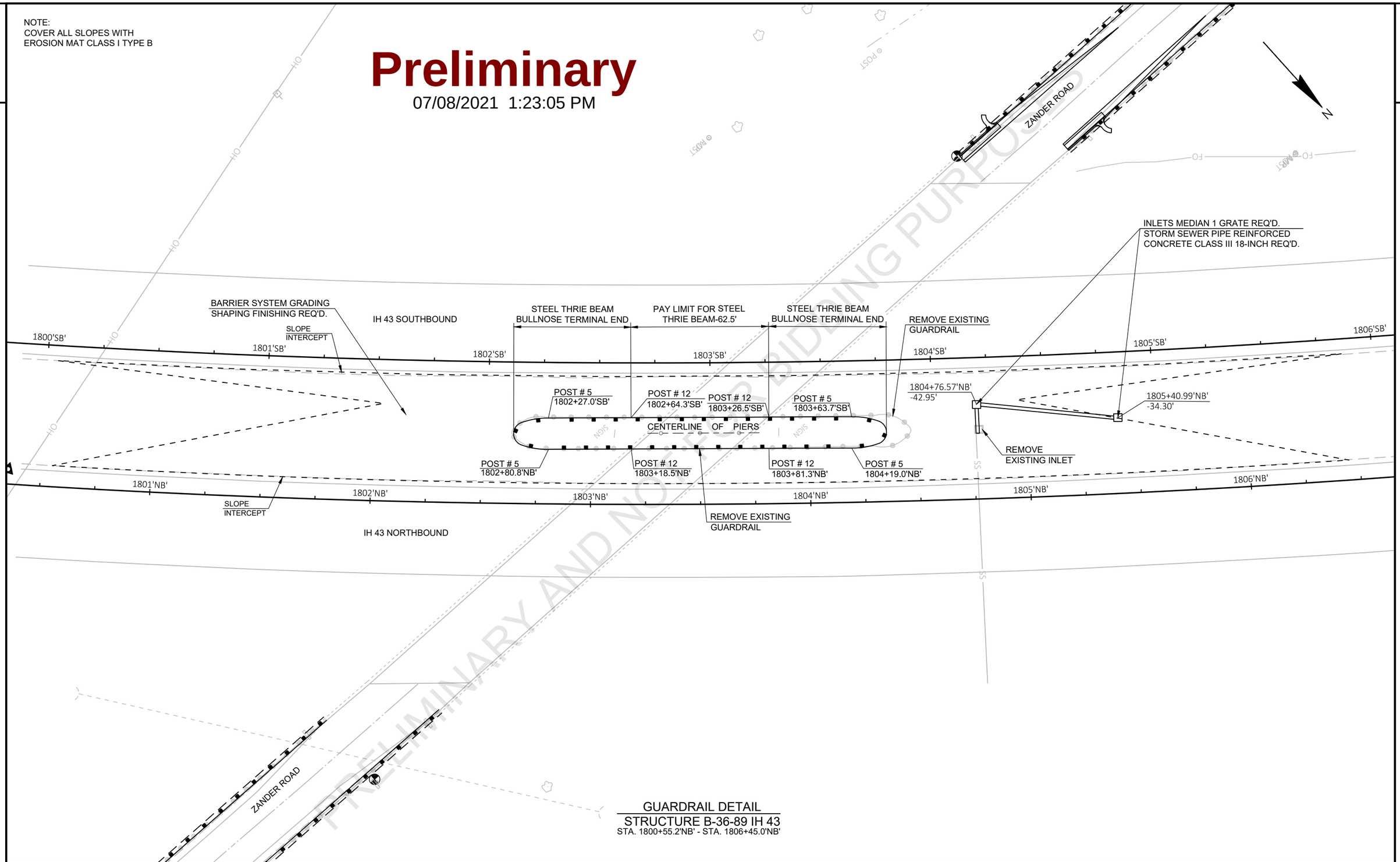
PLOT DATE : 3/9/2021 9:56 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
COVER ALL SLOPES WITH
EROSION MAT CLASS I TYPE B

Preliminary

07/08/2021 1:23:05 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
STRUCTURE B-36-89 IH 43
STA. 1800+55.2'NB' - STA. 1806+45.0'NB'

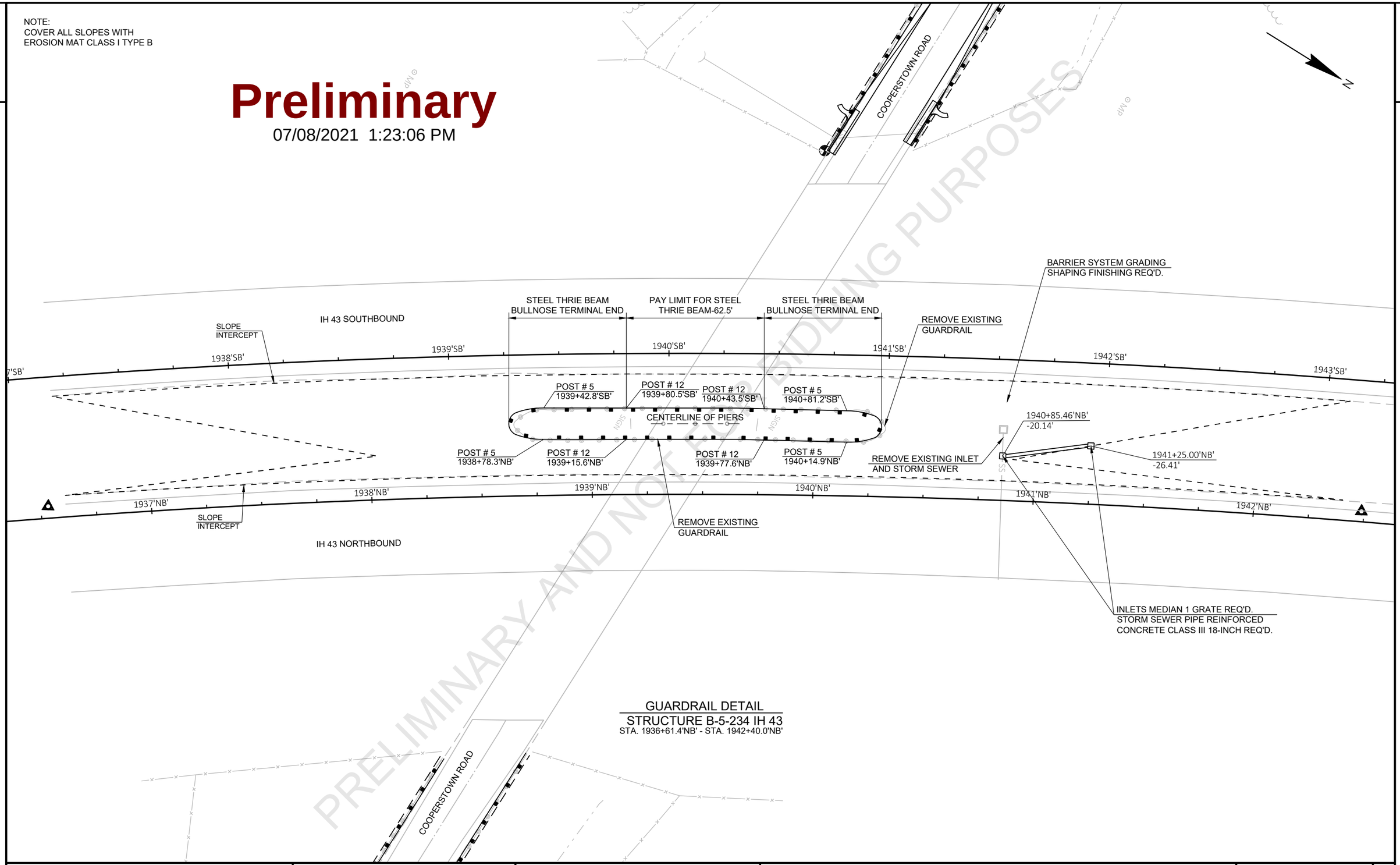
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021202_PD.DWG
LAYOUT NAME - 021216_pd
PLOT DATE : 3/9/2021 9:56 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE:
COVER ALL SLOPES WITH
EROSION MAT CLASS I TYPE B

Preliminary

07/08/2021 1:23:06 PM



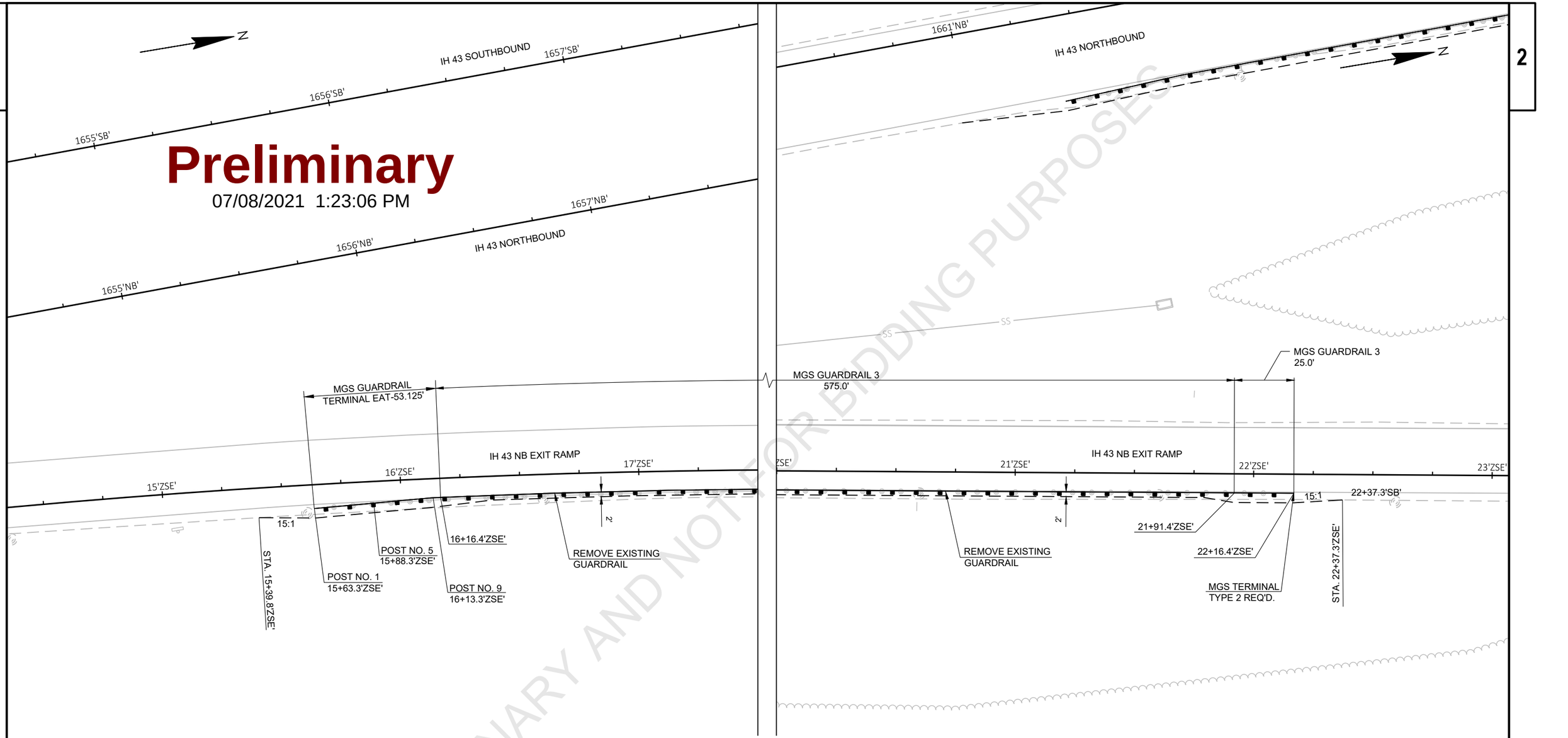
GUARDRAIL DETAIL
STRUCTURE B-5-234 IH 43
STA. 1936+61.4'NB' - STA. 1942+40.0'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021202_PD.DWG
LAYOUT NAME - 021217_pd
PLOT DATE : 3/9/2021 9:56 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Preliminary
07/08/2021 1:23:06 PM



GUARDRAIL DETAIL
IH 43 NORTHBOUND EXIT RAMP
STA. 15+39.8'ZSE' - STA. 22+37.3'ZSE'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

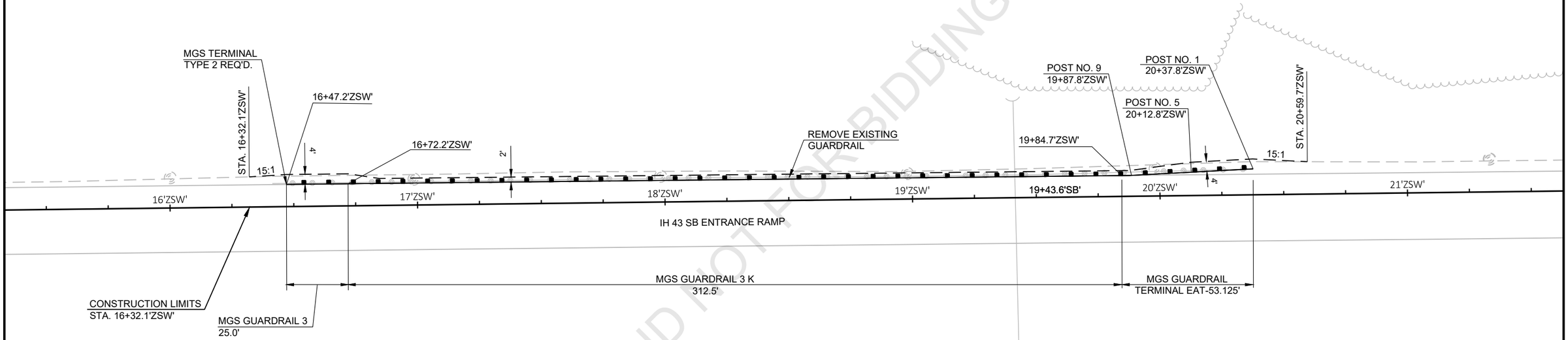
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021203_PD.DWG
LAYOUT NAME - 021218_pd
PLOT DATE : 3/9/2021 9:57 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

Preliminary

07/08/2021 1:23:06 PM

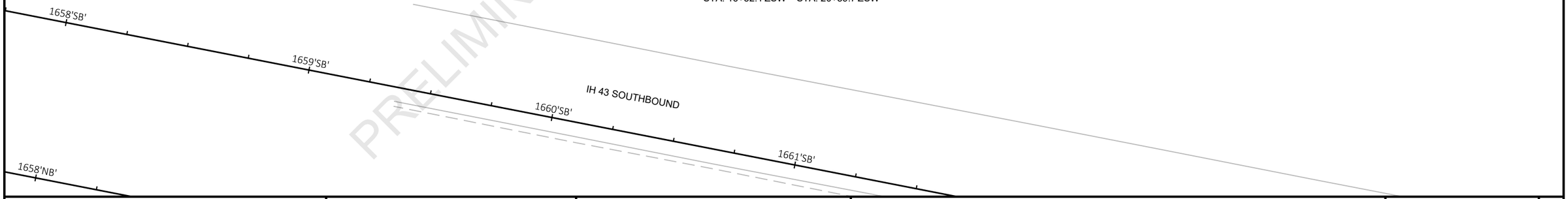
PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL

IH 43 SOUTHBOUND ENTRANCE RAMP

STA. 16+32.1'ZSW' - STA. 20+59.7'ZSW'



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

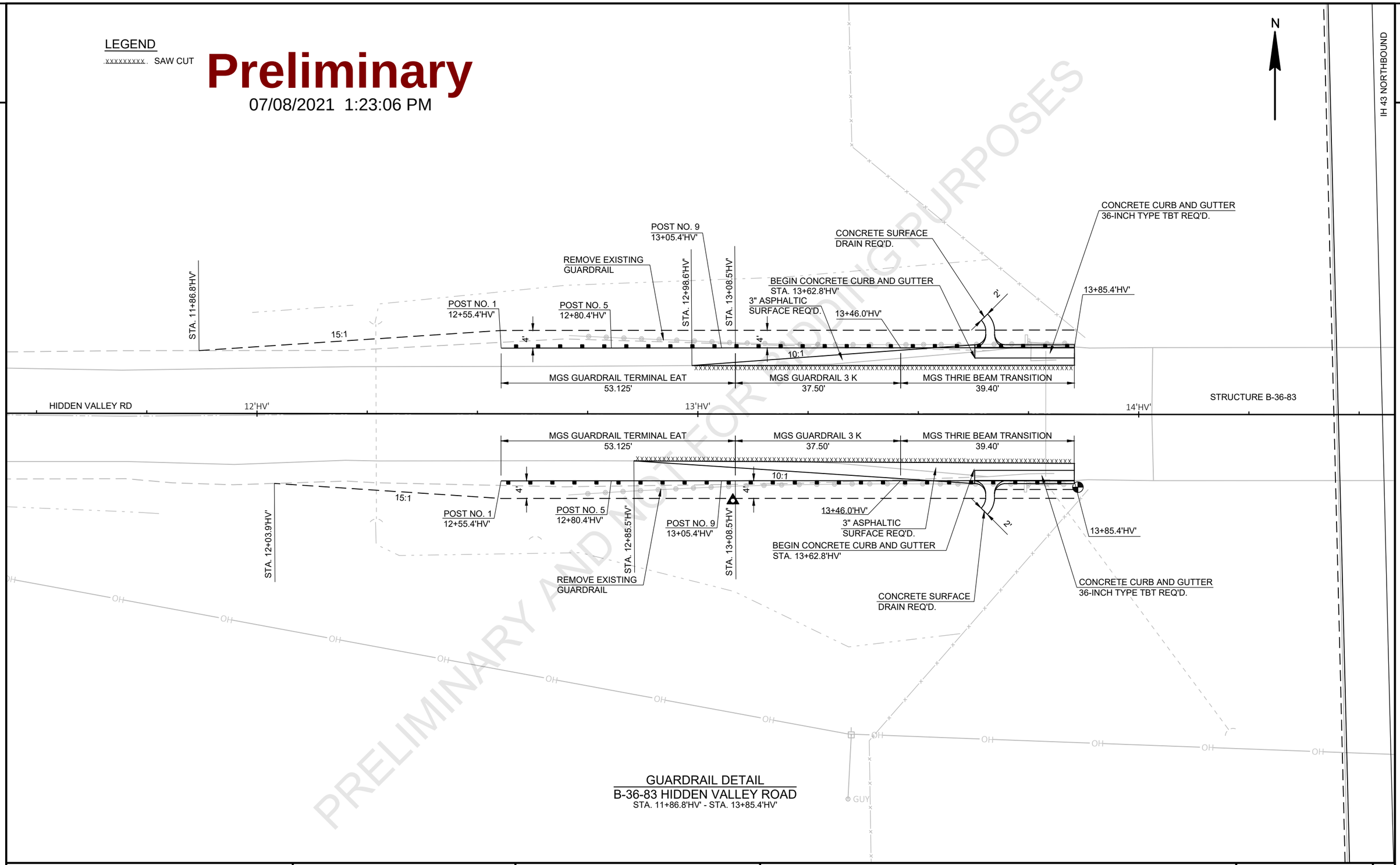
LEGEND

xxxxxxxxx. SAW CUT

Preliminary

07/08/2021 1:23:06 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
B-36-83 HIDDEN VALLEY ROAD
STA. 11+86.8'HV' - STA. 13+85.4'HV'

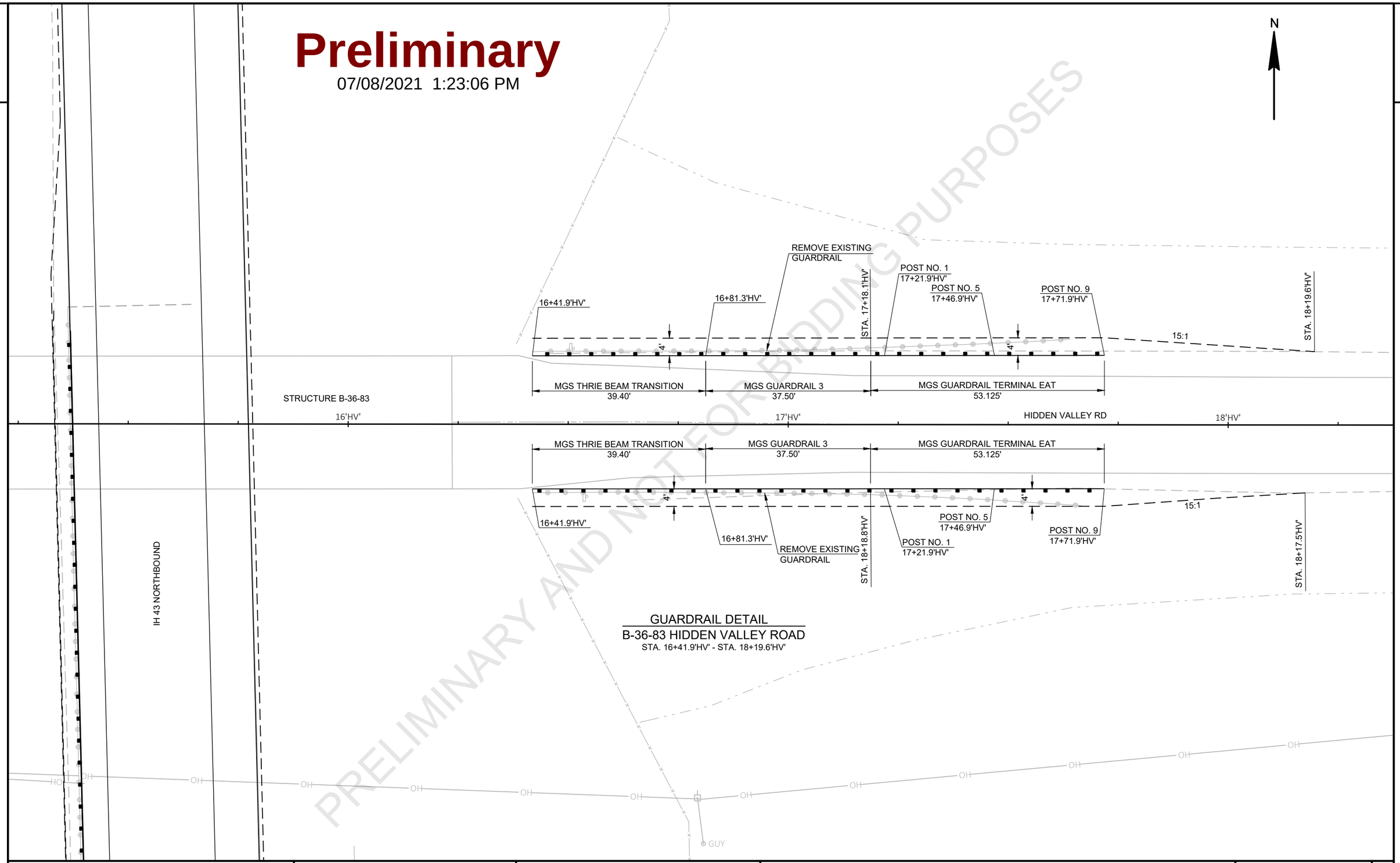
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - HIDDEN VALLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021220_pd
PLOT DATE : 3/9/2021 9:57 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:06 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
B-36-83 HIDDEN VALLEY ROAD
STA. 16+41.9'HV' - STA. 18+19.6'HV'

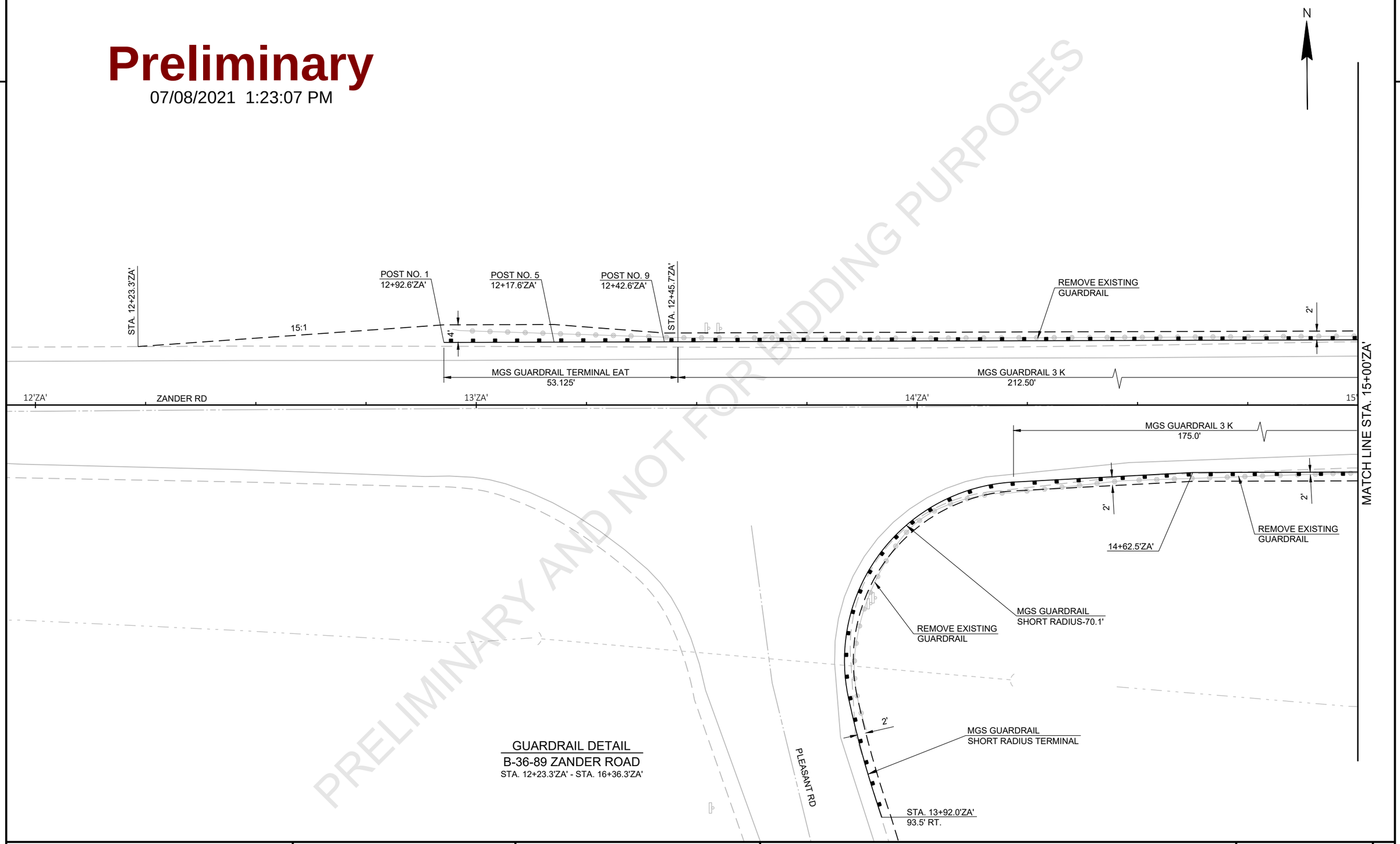
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - HIDDEN VALLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021221_pd
PLOT DATE : 3/9/2021 9:57 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:07 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
B-36-89 ZANDER ROAD
STA. 12+23.3'ZA' - STA. 16+36.3'ZA'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ZANDER ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021222_pd
PLOT DATE : 3/9/2021 9:58 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

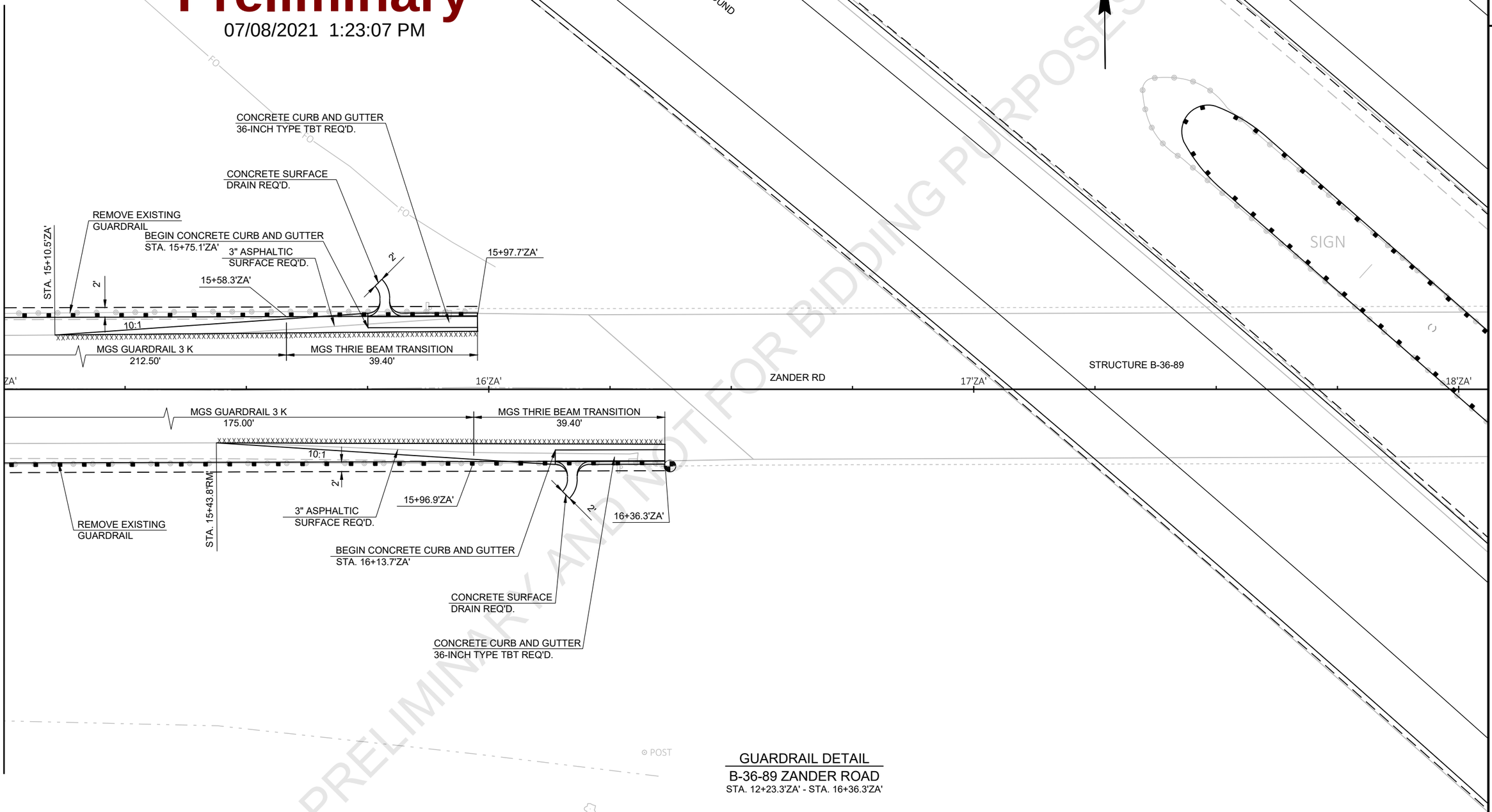
LEGEND

xxxxxxxxx SAW CUT

Preliminary

07/08/2021 1:23:07 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL

B-36-89 ZANDER ROAD

STA. 12+23.3'ZA' - STA. 16+36.3'ZA'

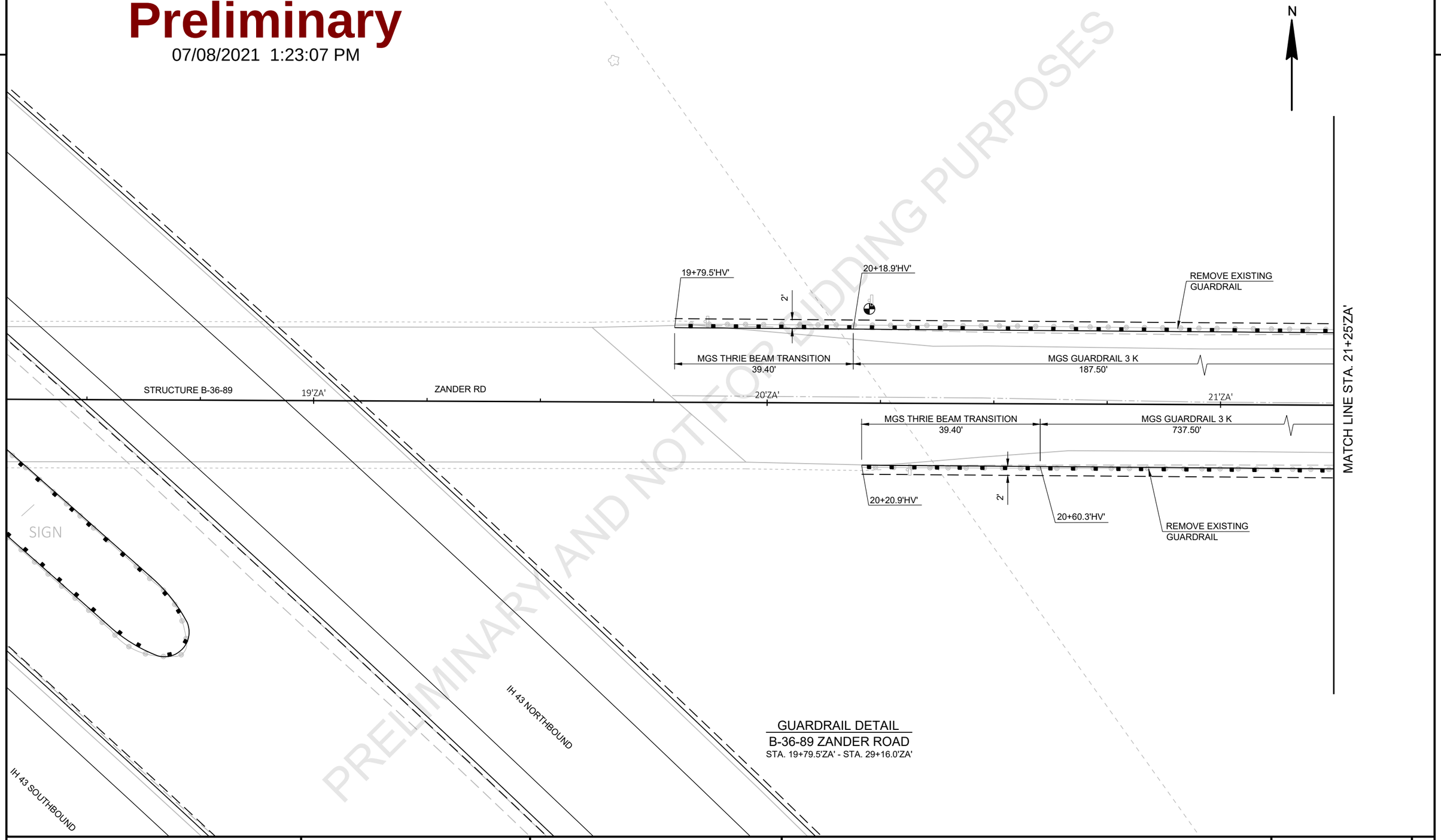
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ZANDER ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021223_pd
PLOT DATE : 3/9/2021 9:58 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:07 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
B-36-89 ZANDER ROAD
STA. 19+79.5'ZA' - STA. 29+16.0'ZA'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ZANDER ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021224_pd

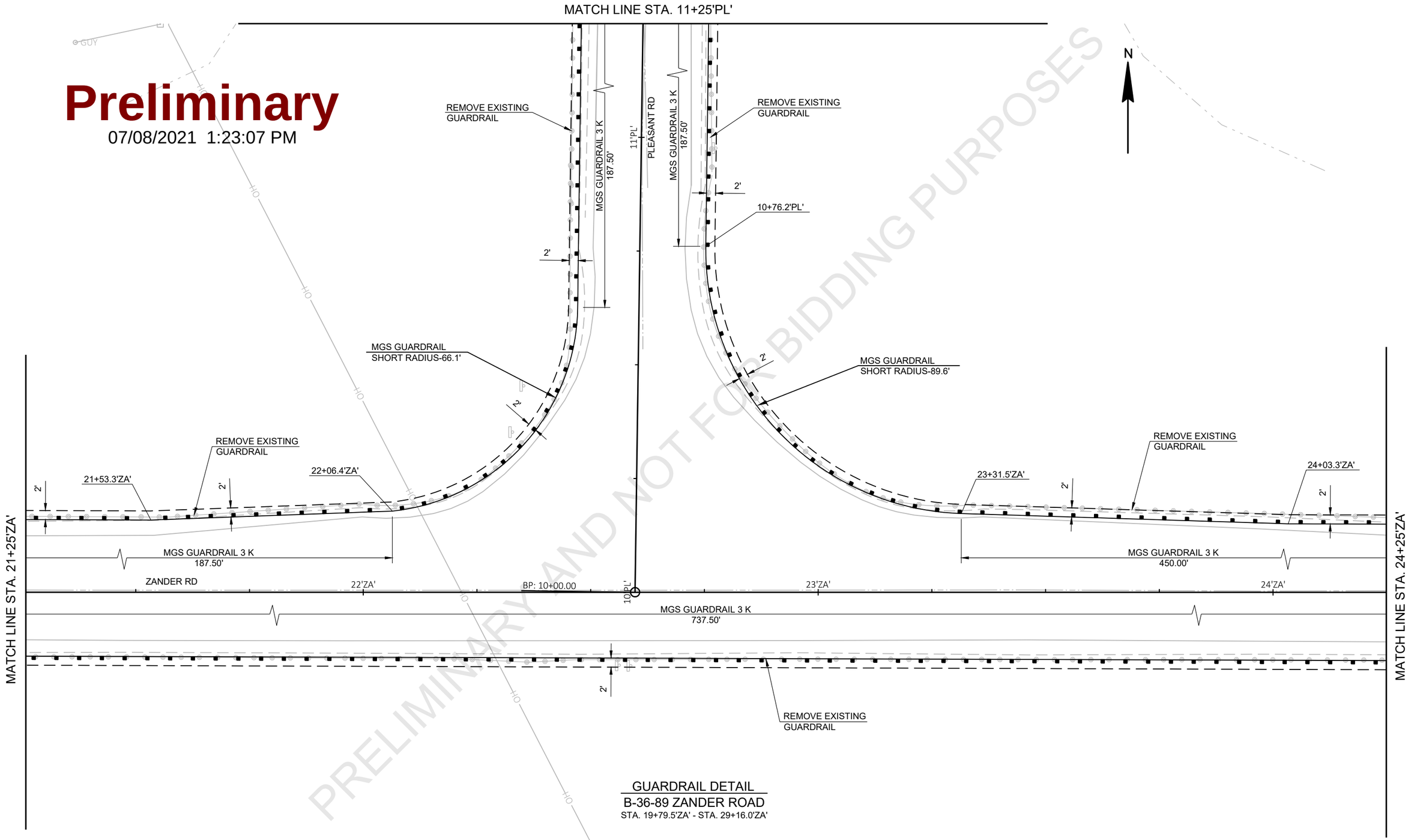
PLOT DATE : 3/9/2021 9:58 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

Preliminary

07/08/2021 1:23:07 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL
B-36-89 ZANDER ROAD
STA. 19+79.5'ZA' - STA. 29+16.0'ZA'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ZANDER ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021225_pd

PLOT DATE : 3/9/2021 9:58 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

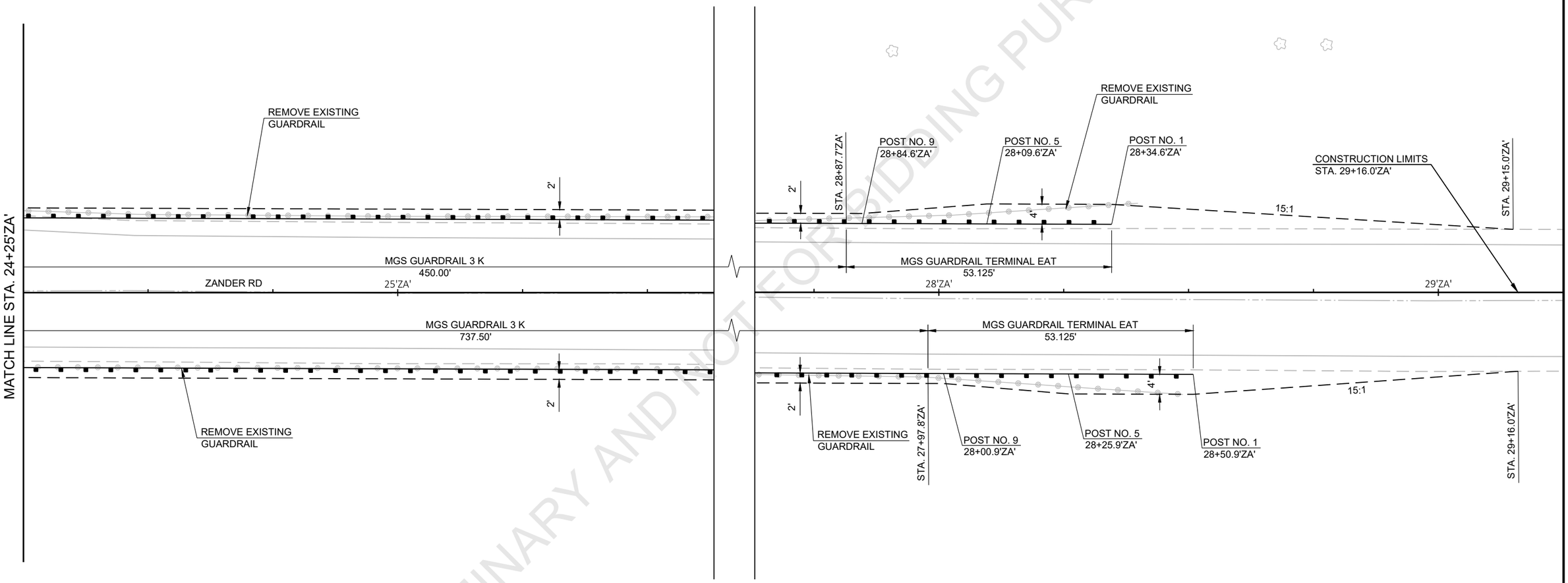
2

Preliminary

07/08/2021 1:23:07 PM

N

PRELIMINARY AND NOT FOR BIDDING PURPOSES



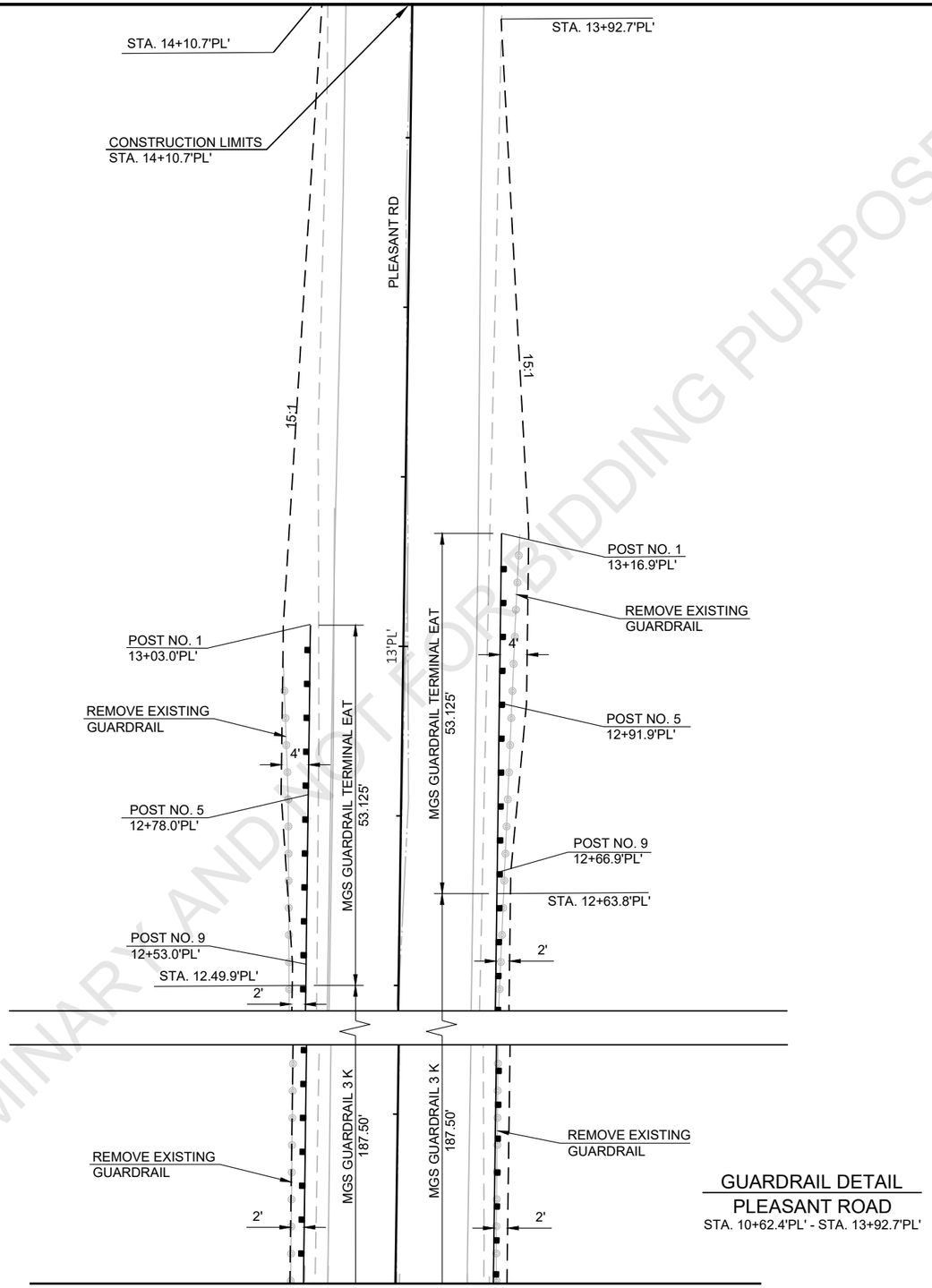
GUARDRAIL DETAIL
B-36-89 ZANDER ROAD
STA. 19+79.5'ZA' - STA. 29+16.0'ZA'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ZANDER ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021226_pd

PLOT DATE : 3/9/2021 9:58 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

Preliminary
07/08/2021 1:23:08 PM



GUARDRAIL DETAIL
PLEASANT ROAD
STA. 10+62.4'PL' - STA. 13+92.7'PL'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - PLEASANT ROAD	SHEET	E

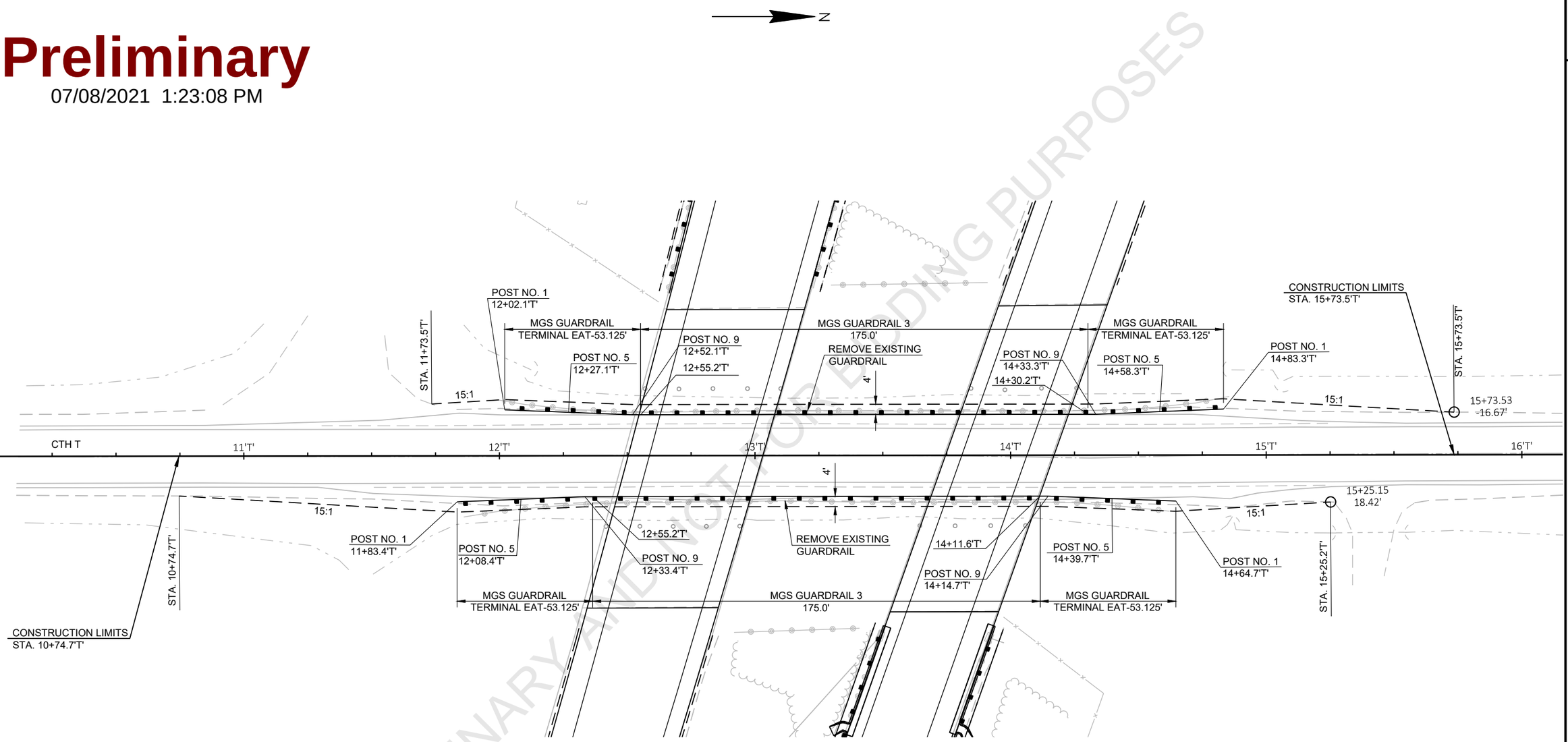
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021227_pd
PLOT DATE : 3/9/2021 9:58 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

2

Preliminary

07/08/2021 1:23:08 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



GUARDRAIL DETAIL

B-5-234 CTH T

STA. 10+74.7'T' - STA. 15+73.5'T'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021228_pd
PLOT DATE : 3/9/2021 9:58 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

xxxxxxxxx. SAW CUT

N

Preliminary

07/08/2021 1:23:08 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

IH 43 SOUTHBOUND

CONCRETE CURB AND GUTTER
36-INCH TYPE TBT REQ'D.

REMOVE EXISTING
GUARDRAIL

POST NO. 9
13+30.0'CO'

CONCRETE SURFACE
DRAIN REQ'D.

POST NO. 1
12+80.0'CO'

POST NO. 5
13+05.0'CO'

STA. 1317.5'CO'

STA. 13+33.1'CO'

BEGIN CONCRETE CURB AND GUTTER
STA. 13+87.4'CO'

13+70.6'CO'

14+10.0'CO'

3" ASPHALTIC
SURFACE REQ'D.

STA. 12+07.0'CO'

15:1

4'

2'

2'

10:1

MGS GUARDRAIL TERMINAL EAT
53.125'

MGS GUARDRAIL 3 K
37.50'

MGS THRIE BEAM TRANSITION
39.40'

12'CO'

COOPERSTOWN RD

13'CO'

14'CO'

STRUCTURE B-5-234

15'C

MGS GUARDRAIL TERMINAL EAT
53.125'

MGS GUARDRAIL 3 K
75.00'

MGS THRIE BEAM TRANSITION
39.40'

10:1

15:1

4'

2'

2'

STA. 11+92.8'CO'

CONSTRUCTION LIMITS
STA. 11+92.8'CO'

POST NO. 1
12+64.6'CO'

POST NO. 5
12+89.6'CO'

POST NO. 9
13+14.6'CO'

STA. 13+17.7'CO'

STA. 13+50.8'CO'

13+92.8'CO'

3" ASPHALTIC
SURFACE REQ'D.

14'CO'+32.2

BEGIN CONCRETE CURB AND GUTTER
STA. 14+09.6'CO'

CONCRETE SURFACE
DRAIN REQ'D.

CONCRETE CURB AND GUTTER
36-INCH TYPE TBT REQ'D.

GUARDRAIL DETAIL
B-5-234 COOPERSTOWN ROAD
STA. 11+92.8'CO' - STA. 14+32.2'CO'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - COOPERSTOWN ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021229_pd

PLOT DATE : 3/9/2021 9:58 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT

Preliminary

07/08/2021 1:23:08 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

N

17+36.2'CO'

17+75.6'CO'

2'

STA. 18+13.1'CO'

POST NO. 1
18+16.2'CO'

REMOVE EXISTING
GUARDRAIL

POST NO. 5
18+41.2'CO'

POST NO. 9
18+66.2'CO'

4'

15:1

STA. 19+53.6'CO'

CONSTRUCTION LIMITS
STA. 20+19.6'CO'

MGS THRIE BEAM TRANSITION
39.40'

MGS GUARDRAIL 3 K
37.50'

MGS GUARDRAIL TERMINAL EAT
53.125'

18'CO'

19'CO'

COOPERSTOWN RD

20'CO'

STRUCTURE
B-5-234

MGS THRIE BEAM TRANSITION
39.40'

MGS GUARDRAIL 3 K
75.00'

MGS GUARDRAIL TERMINAL EAT
53.125'

17+58.2'CO'

17+97.6'CO'

2'

REMOVE EXISTING
GUARDRAIL

STA. 18+72.6'CO'

POST NO. 1
18+75.7'CO'

POST NO. 5
19+00.7'CO'

HMOD

4'

POST NO. 9
19+25.7'CO'

15:1

STA. 20+19.6'CO'

GUARDRAIL DETAIL
B-5-234 COOPERSTOWN ROAD
STA. 17+36.2'CO' - STA. 20+19.6'CO'

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - COOPERSTOWN ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\021204_PD.DWG
LAYOUT NAME - 021230_pd

PLOT DATE : 3/9/2021 9:59 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:08 PM

N

DEVIL'S RIVER STATE TRAIL

PAUTZ RD

REMOVING FENCE

REMOVING GUARDRAIL

IH 43 'SB' R/L

B-36-97

1605'SB'

1610'SB'

IH 43 SB

1615'SB'

1605'NB'

B-36-99

1610'NB'

IH 43 NB

1615'NB'

BEGIN PROJECT
STA 1606'NB'+74.07
Y=362,219.588
X=201,315.418

IH 43 'NB' R/L

REMOVING FENCE

PAUTZ RD

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022001-ec_rm

PLOT DATE : 5/5/2021 3:17 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

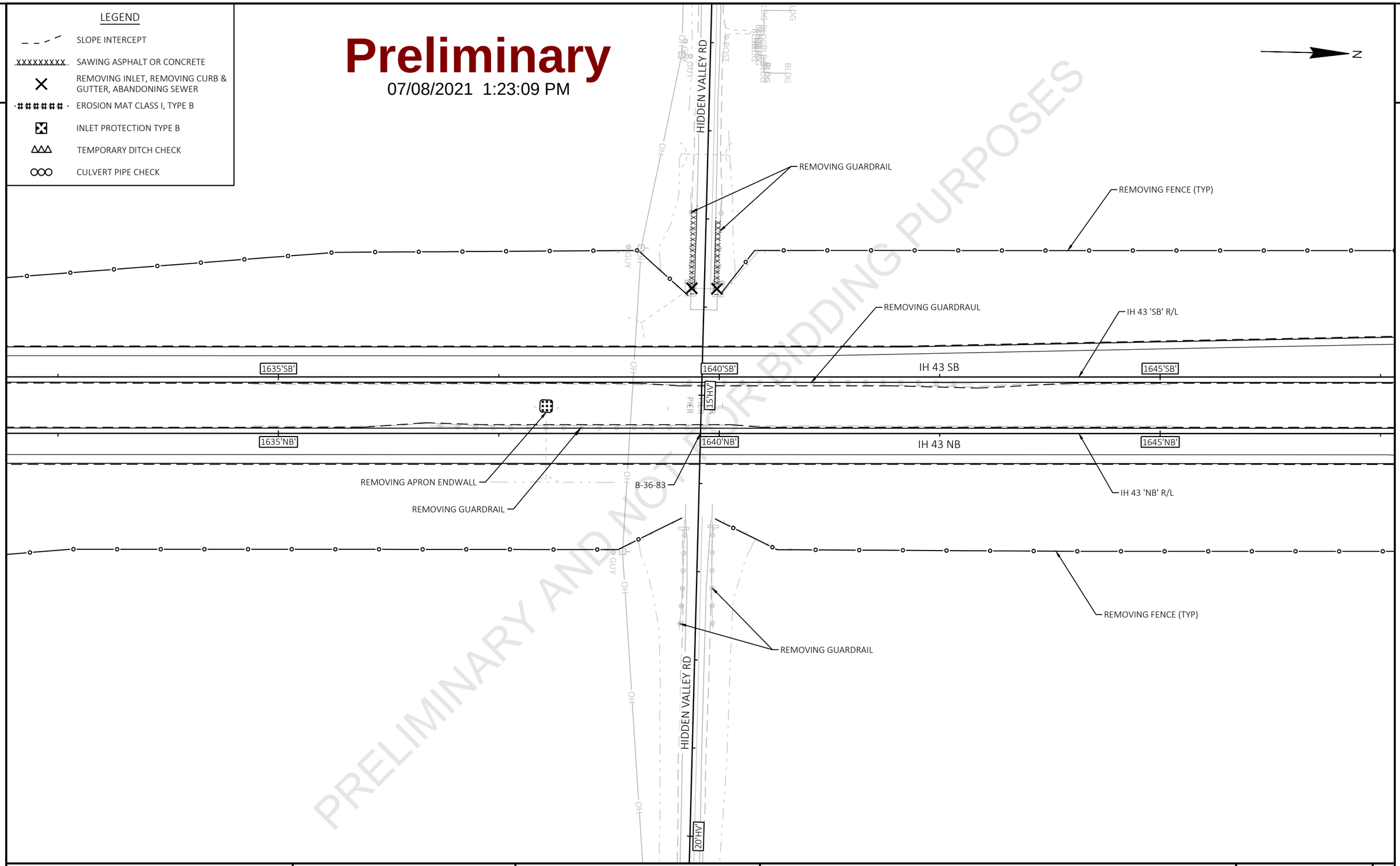
LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:09 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022002-ec_rm

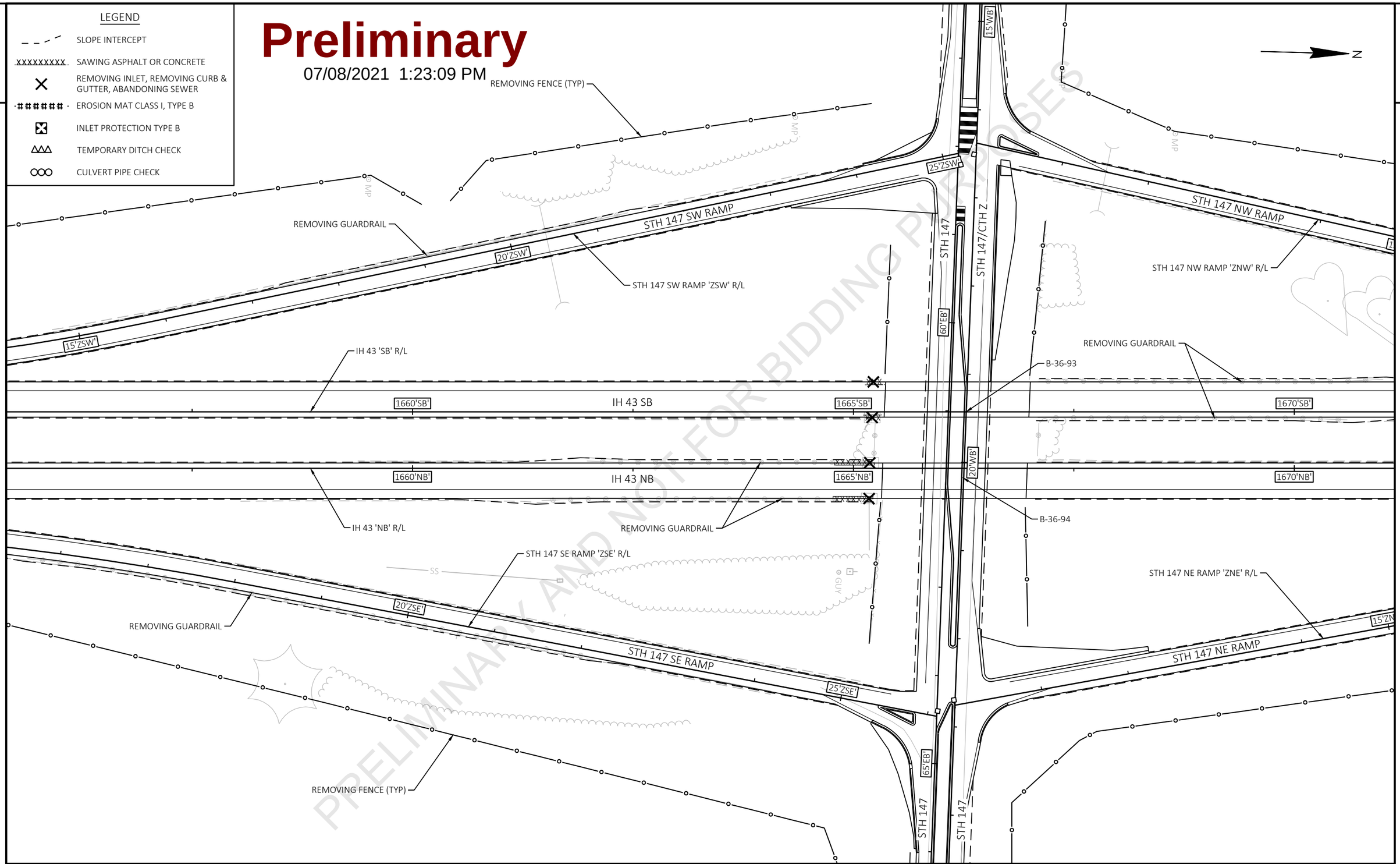
PLOT DATE : 5/5/2021 3:17 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:09 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022003-ec_rm
PLOT DATE : 5/5/2021 3:17 PM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

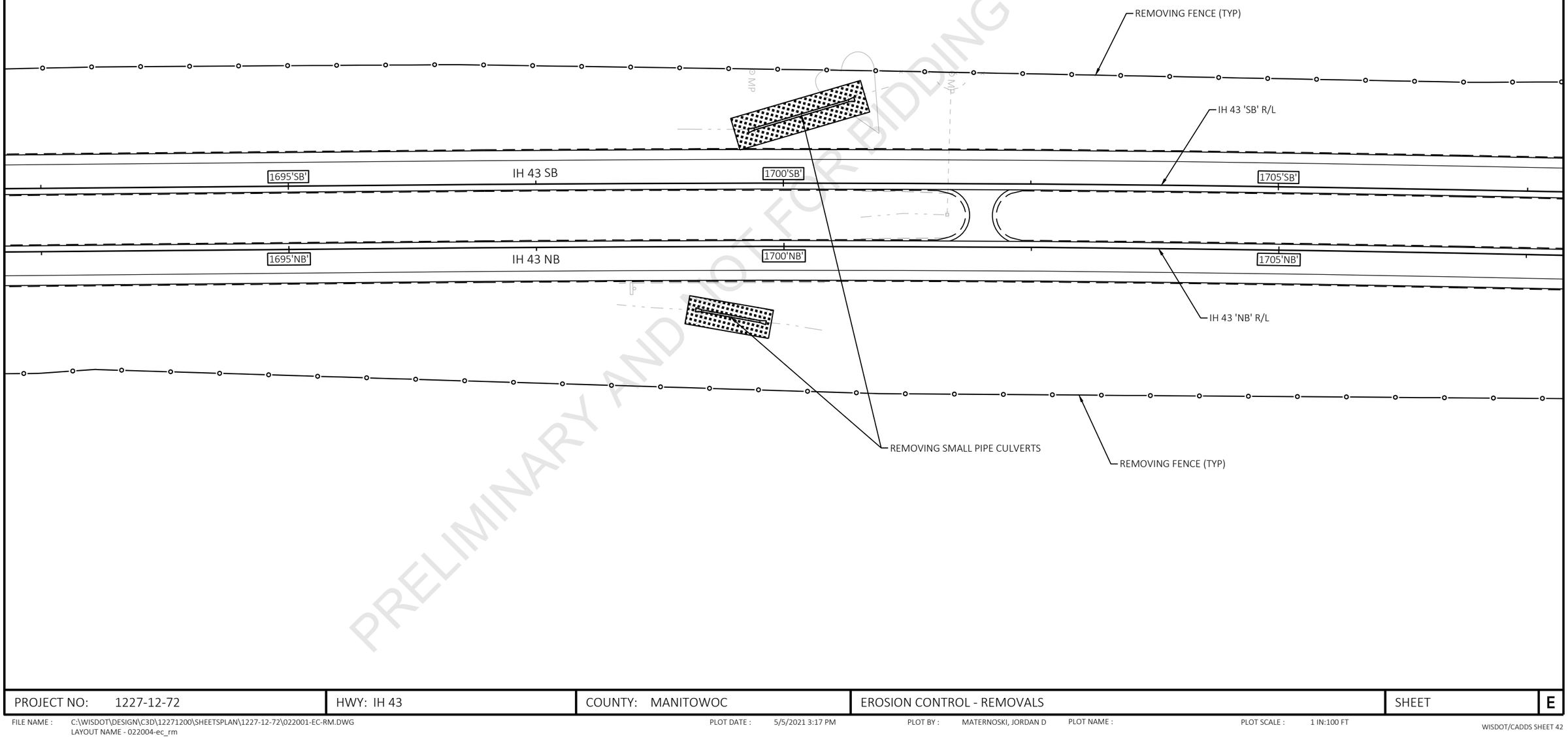
- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:09 PM

N

2



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022004-ec_rm

PLOT DATE : 5/5/2021 3:17 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

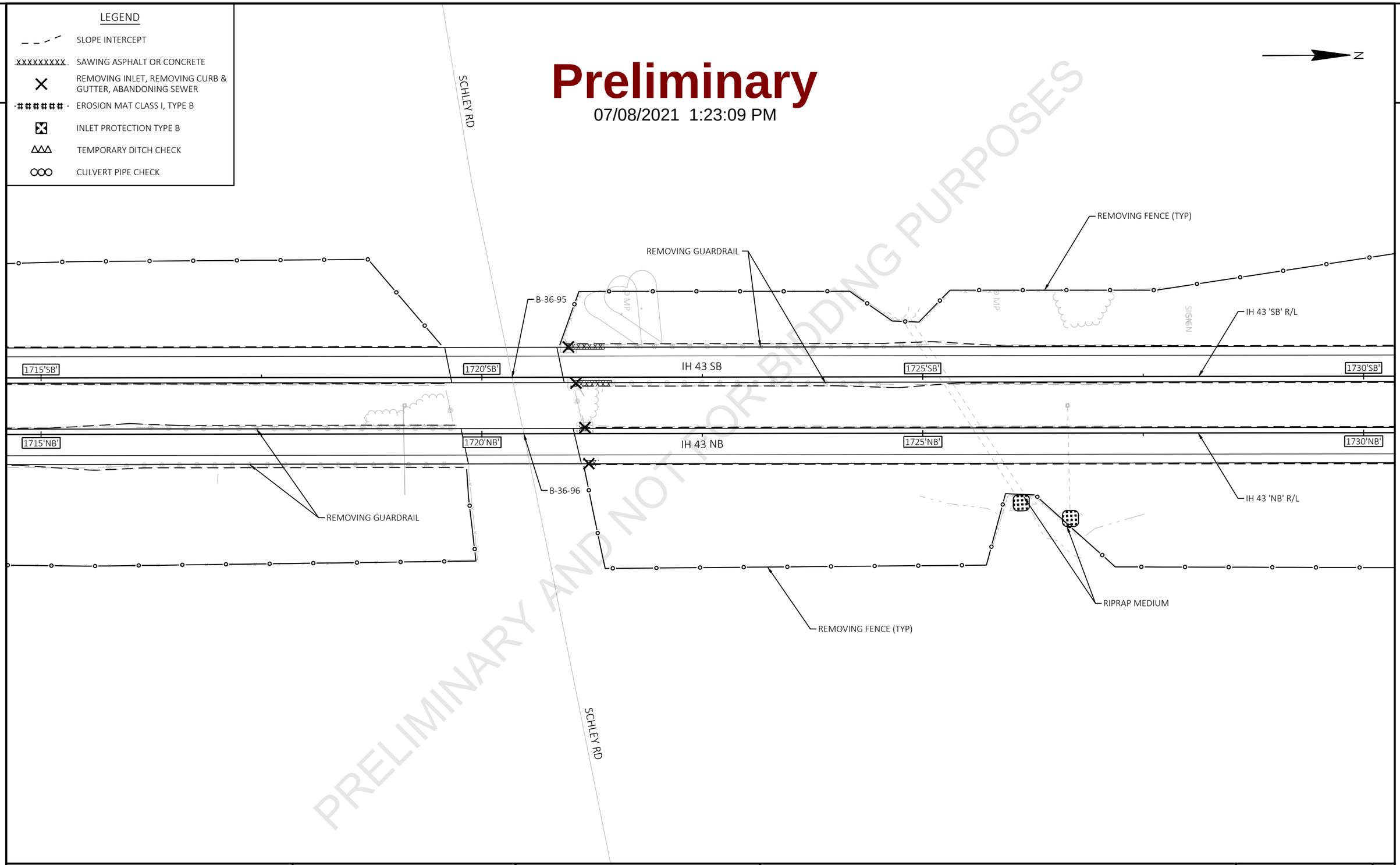
- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:09 PM

N

2



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022005-ec_rm

PLOT DATE : 5/5/2021 3:17 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

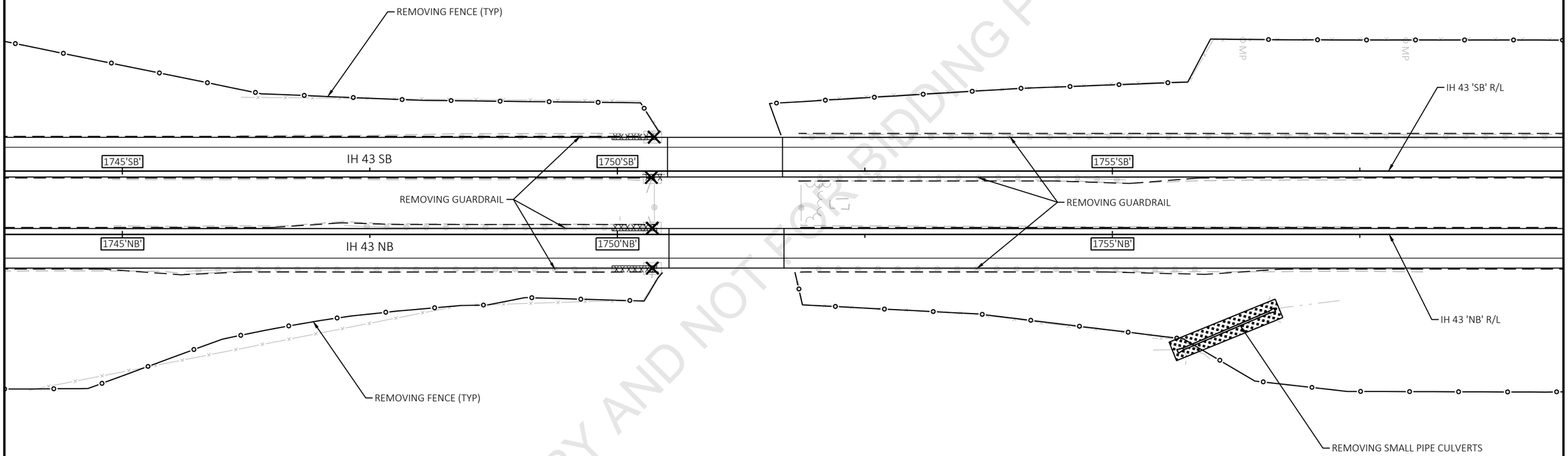
LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:09 PM

N



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022006-ec_rm

PLOT DATE : 5/5/2021 3:17 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

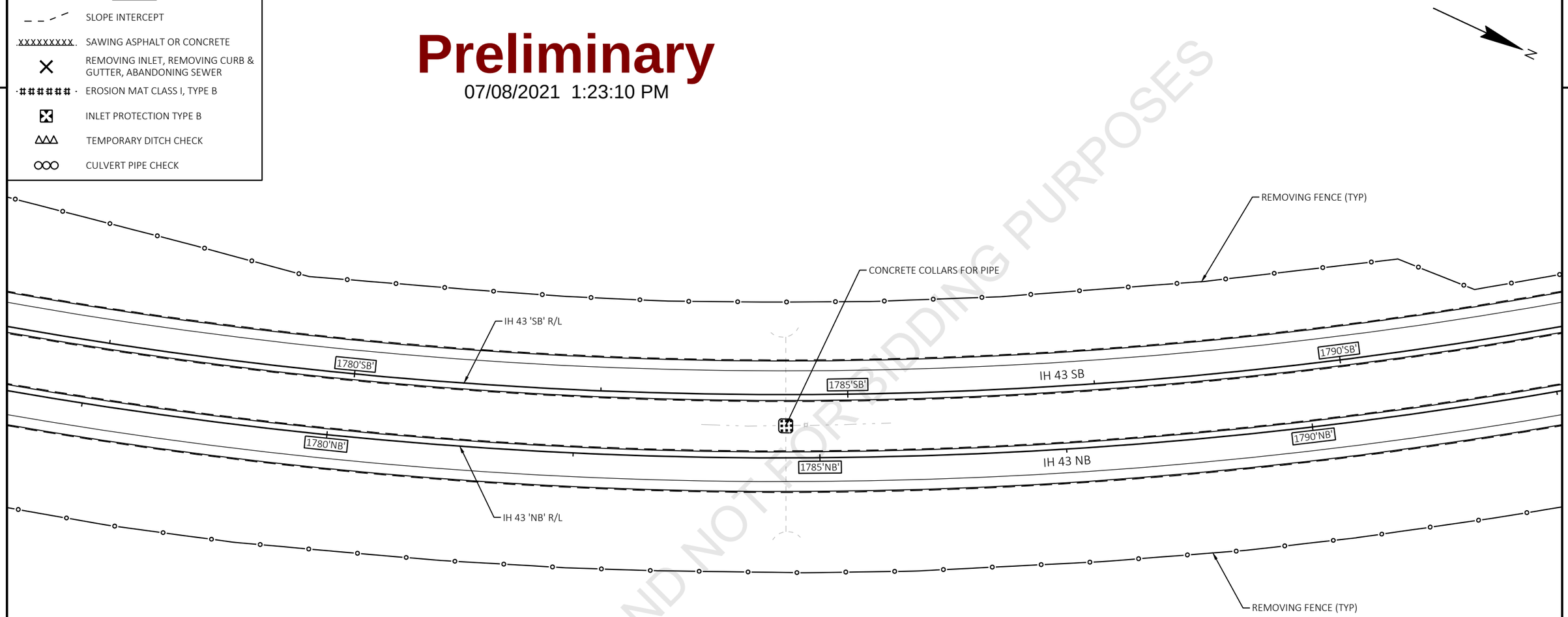
2

LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:10 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022007-ec_rm
PLOT DATE : 5/5/2021 3:17 PM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

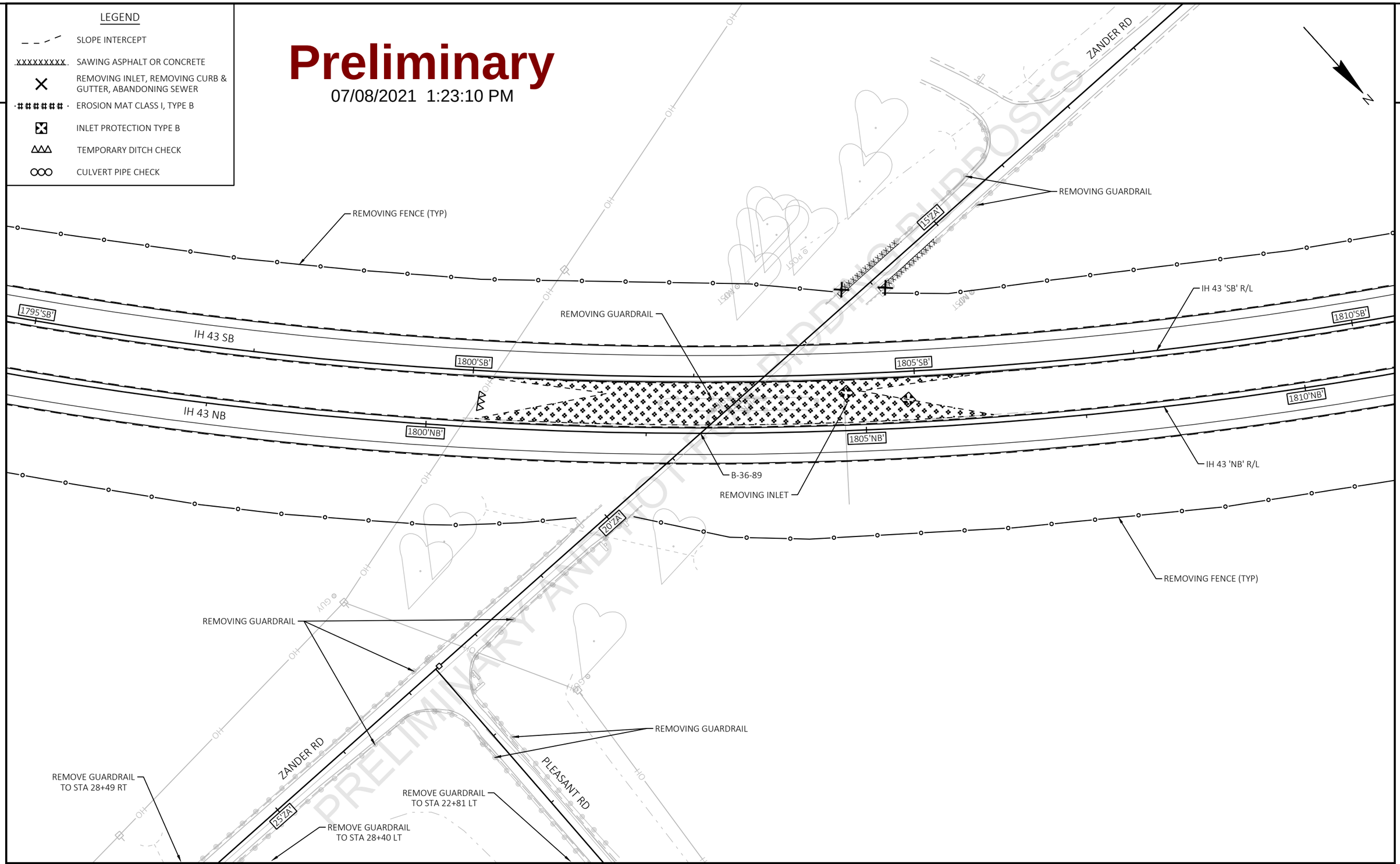
LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:10 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

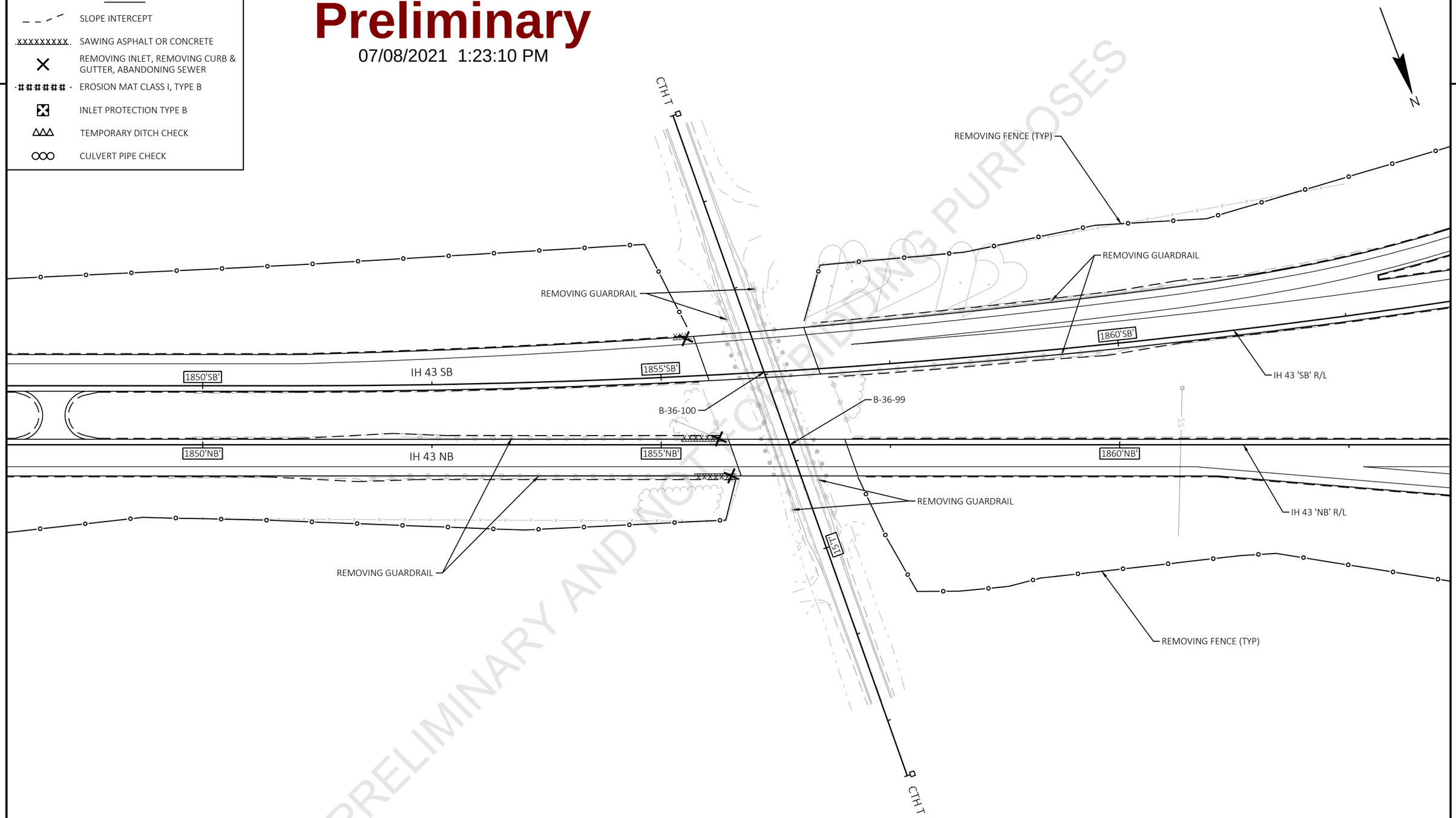
2

LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:10 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022009-ec_rm
PLOT DATE : 5/5/2021 3:17 PM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

Preliminary

07/08/2021 1:23:10 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

N

DEVIL'S RIVER STATE TRAIL

ROSECRAN RD

REMOVING GUARDRAIL

REMOVING FENCE (TYP)

B-36-101

1900'SB'

1905'SB'

1910'SB'

IH 43 SB

IH 43 'SB' R/L

REMOVING GUARDRAIL

B-36-103

REMOVE GUARDRAIL TO STA 1915'SB'+47 LT

REMOVING GUARDRAIL

REMOVE GUARDRAIL TO STA 1914'SB'+50 RT

B-36-104

IH 43 'NB' R/L

1900'NB'

1905'NB'

1910'NB'

IH 43 NB

B-36-102

REMOVING GUARDRAIL

REMOVING GUARDRAIL

REMOVING FENCE (TYP)

DEVIL'S RIVER STATE TRAIL

ROSECRAN RD

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022010-ec_rm

PLOT DATE : 5/5/2021 3:17 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- SLOPE INTERCEPT
- SAWING ASPHALT OR CONCRETE
- REMOVING INLET, REMOVING CURB & GUTTER, ABANDONING SEWER
- EROSION MAT CLASS I, TYPE B
- INLET PROTECTION TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK

Preliminary

07/08/2021 1:23:11 PM

PRELIMINARY - NOT FOR BIDDING PURPOSES

2

COOPERSTOWN RD

REMOVING GUARDRAIL

REMOVING FENCE (TYP)

REMOVING GUARDRAIL

B-5-234

REMOVING INLET

IH 43 'SB' R/L

15CO

1940'SB'

1935'SB'

1945'SB'

IH 43 SB

1940'NB'

1935'NB'

IH 43 NB

1945'NB'

REMOVING STORM SEWER 18-INCH

IH 43 'NB' R/L

REMOVING GUARDRAIL

REMOVING FENCE (TYP)

20CO

COOPERSTOWN RD

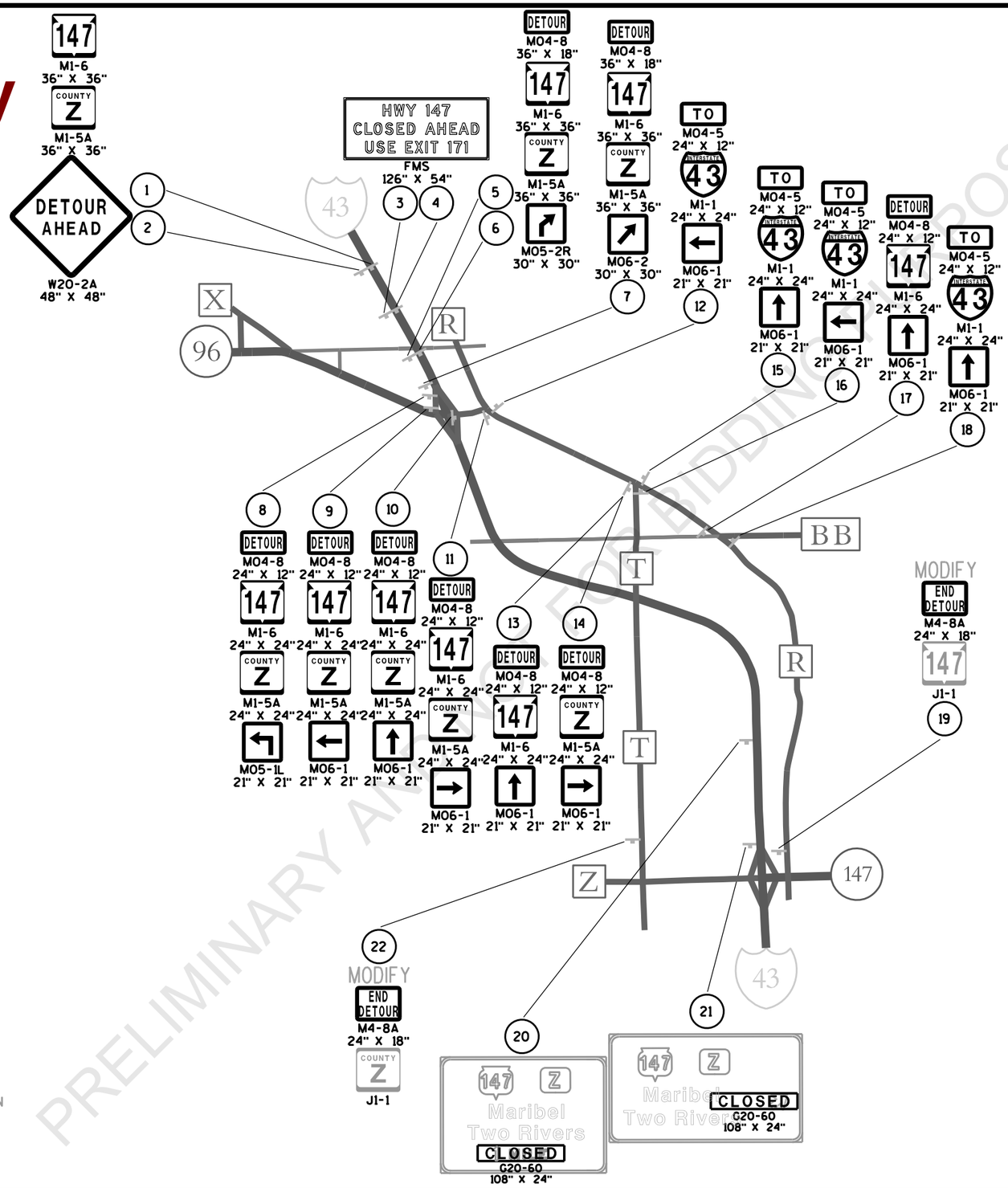
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\022001-EC-RM.DWG
LAYOUT NAME - 022011-ec_rm

PLOT DATE : 5/5/2021 3:18 PM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

Preliminary

07/08/2021 1:23:11 PM



LEGEND

- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- MB (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

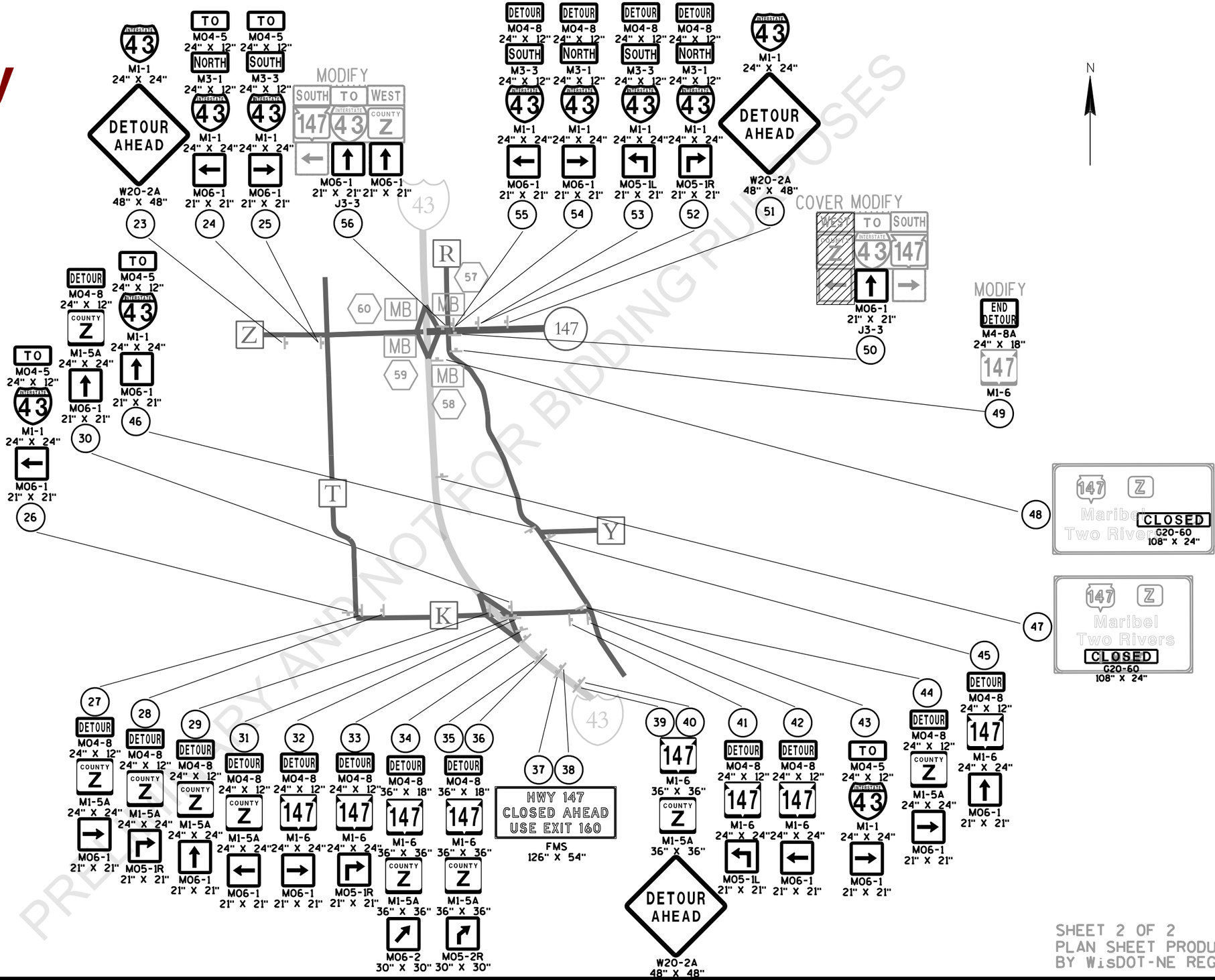
PRELIMINARY AND NOT FOR BIDDING PURPOSES

SHEET 1 OF 2
PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 1227-12-71	HWY: I-43	COUNTY: MANITOWOC	DETOUR SIGNING DETAIL - STH 147 INTERCHANGE CLOSURE - NORTH	SHEET	E

Preliminary

07/08/2021 1:23:11 PM



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- MB (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

SHEET 2 OF 2
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1227-12-71	HWY: I-43	COUNTY: MANITOWOC	DETOUR SIGNING DETAIL - STH 147 INTERCHANGE CLOSURE - SOUTH	SHEET	E

LEGEND

X — SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET

SIGN MOUNTED ON TYPE III BARRICADE

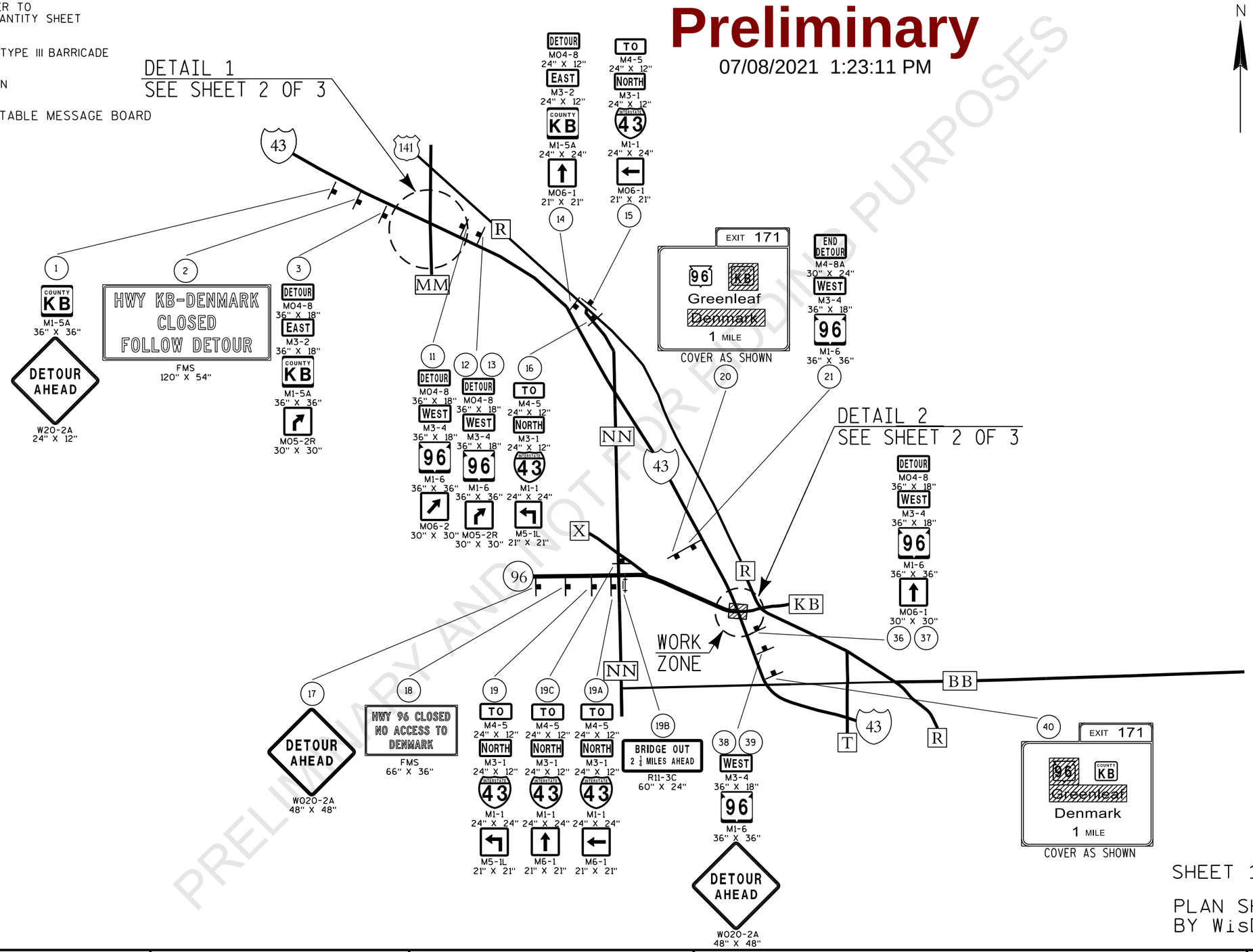
POST MOUNTED SIGN

X — CHANGEABLE PORTABLE MESSAGE BOARD

Preliminary

07/08/2021 1:23:11 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



SHEET 1 OF 3

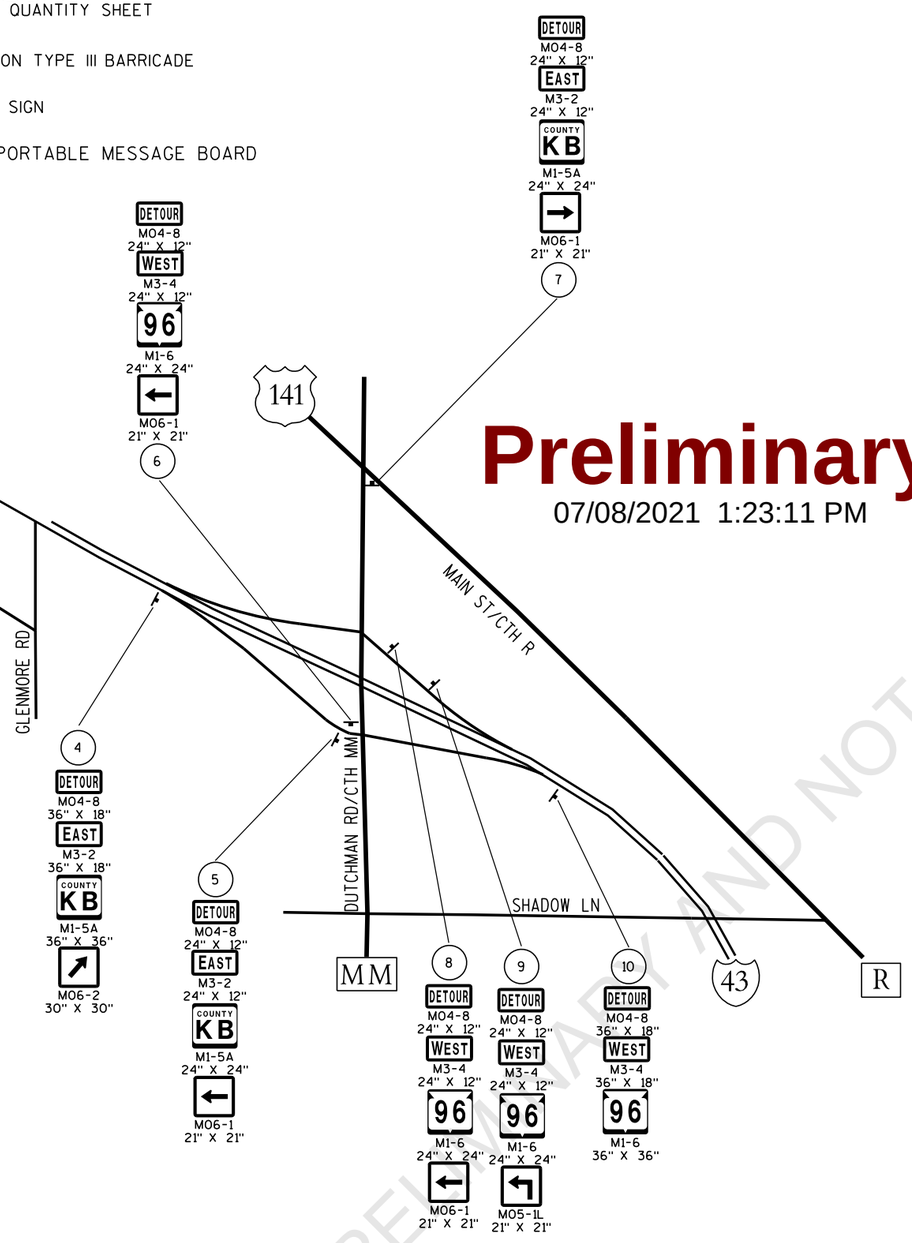
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1227-12-72	HWY: I-43	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Brown County\STH 96\I-43 Interchange\Structure Work\027001_dt.dgn PLOT DATE : 26-AUG-2019 14:15 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 9600:1

LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- (X) CHANGEABLE PORTABLE MESSAGE BOARD

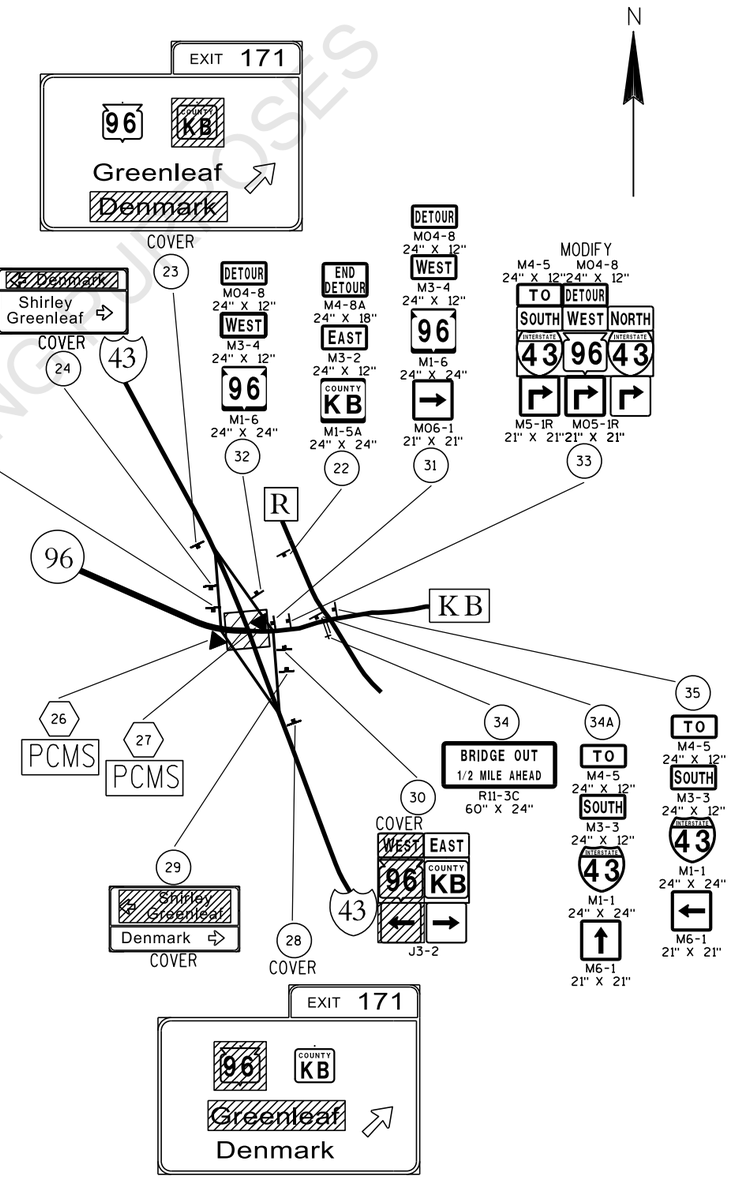


DETAIL 1

Preliminary

07/08/2021 1:23:11 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



DETAIL 2

SHEET 2 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1227-12-72	HWY: I-43	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET	E

FILE NAME : N:\spo\traffic\A Work Zone\Detours\Brown County\STH 96\I-43 Interchange\Structure Work\027002_dt.dgn PLOT DATE : 26-AUG-2019 13:22 PLOT BY : dotj1f PLOT NAME : PLOT SCALE : 1200:1

WISDOT/CADDS SHEET 42

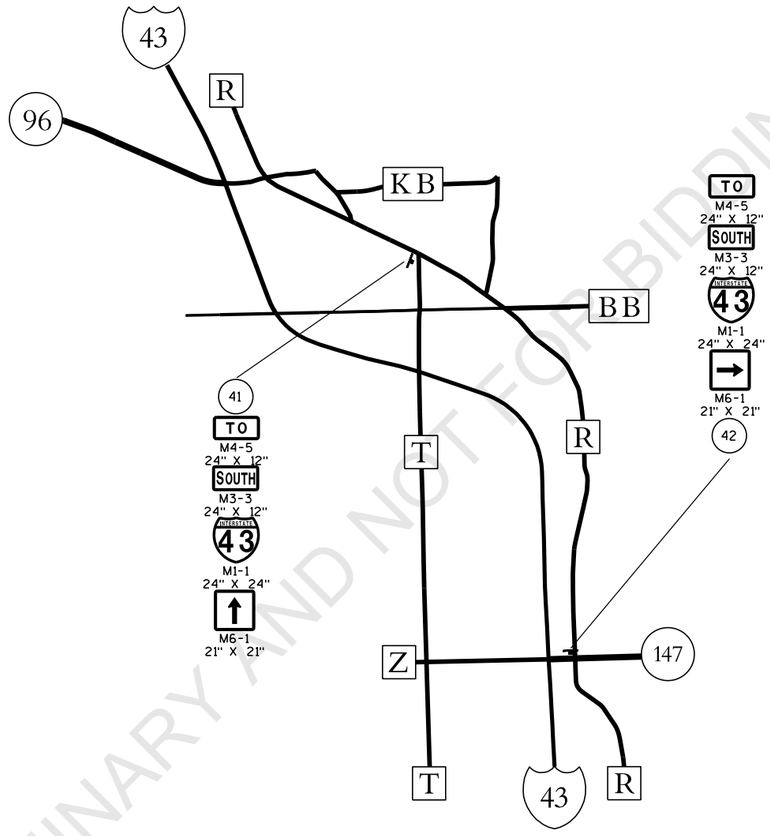
LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN
- (X) CHANGEABLE PORTABLE MESSAGE BOARD

Preliminary

07/08/2021 1:23:12 PM

N



PRELIMINARY AND NOT FOR BIDDING PURPOSES

SHEET 3 OF 3

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO: 1227-12-72	HWY: I-43	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET	E

Preliminary

07/08/2021 1:23:12 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

REMOVING SMALL PIPE CULVERTS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH
0010	IH 43 NB	1699'NB'+16	-	1699'NB'+76	RT	1
0010	IH 43 NB	1755'NB'+71	-	1756'NB'+58	RT	1
0010	IH 43 SB	1699'SB'+70	-	1700'SB'+66	LT	1
				PROJECT TOTAL		**3**

REMOVING FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0170 REMOVING FENCE LF
0010	IH 43 NB	1606'NB'+74	-	2012'NB'+81	RT	41,858
0010	IH 43 SB	1607'SB'+42	-	2012'SB'+81	LT	39,480
				PROJECT TOTAL		**81,338**

REMOVING CURB & GUTTER

CATEGORY	ROADWAY	STATION	OFFSET	204.0150 REMOVING CURB & GUTTER LF
0010	IH 43 NB	1665'NB'+17	RT	8
0010	IH 43 NB	1665'NB'+17	LT	8
0010	IH 43 NB	1721'NB'+16	LT	8
0010	IH 43 NB	1721'NB'+24	RT	8
0010	IH 43 NB	1750'NB'+35	RT	8
0010	IH 43 NB	1750'NB'+35	LT	8
0010	IH 43 NB	1855'NB'+62	LT	8
0010	IH 43 NB	1855'NB'+77	RT	8
0010	IH 43 NB	1902'NB'+60	LT	8
0010	IH 43 NB	1902'NB'+87	RT	8
0010	IH 43 NB	1911'NB'+53	RT	10
0010	IH 43 SB	1665'SB'+20	RT	8
0010	IH 43 SB	1665'SB'+20	LT	8
0010	IH 43 SB	1720'SB'+98	LT	8
0010	IH 43 SB	1721'SB'+06	RT	8
0010	IH 43 SB	1750'SB'+35	RT	8
0010	IH 43 SB	1750'SB'+35	LT	8
0010	IH 43 SB	1855'SB'+29	LT	8
0010	IH 43 SB	1900'SB'+70	LT	8
0010	IH 43 SB	1900'SB'+97	RT	8
0010	IH 43 SB	1911'SB'+23	LT	8
0010	IH 43 SB	1911'SB'+41	RT	8
0010	HIDDEN VALLEY RD	10'HV'+95	RT	8
0010	HIDDEN VALLEY RD	10'HV'+95	LT	8
0010	ZANDER RD	15'ZA'+91	LT	8
0010	ZANDER RD	16'ZA'+28	RT	8
0010	COOPERSTOWN RD	14'CO'+02	LT	8
0010	COOPERSTOWN RD	14'CO'+24	RT	8
			PROJECT TOTAL	**226**

Preliminary

07/08/2021 1:23:12 PM

REMOVING PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0105 REMOVING PAVEMENT BUTT JOINTS SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	SPV.0180.01 REMOVING CONCRETE SURFACE MILLING SY	REMARKS
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	LT/RT	-	-	-	173,764	-	MAINLINE & SHOULDERS
0010	IH 43 NB	1606'NB'+74	-	1606'NB'+76	LT/RT	-	-	13	-	-	
0010	IH 43 NB	1629'NB'+61	-	1630'NB'+21	LT	-	-	-	221	-	MEDIAN TURNAROUND
0010	IH 43 NB	1664'NB'+79	-	1665'NB'+24	LT	-	10	-	-	-	
0010	IH 43 NB	1664'NB'+77	-	1665'NB'+22	RT	-	10	-	-	-	
0010	IH 43 NB	1665'NB'+31	-	1665'NB'+33	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1666'NB'+97	-	1666'NB'+99	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1701'NB'+70	-	1702'NB'+25	LT	-	-	-	191	-	MEDIAN TURNAROUND
0010	IH 43 NB	1719'NB'+75	-	1719'NB'+77	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1721'NB'+05	-	1721'NB'+07	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1721'NB'+09	-	1721'NB'+24	LT	-	5	-	-	-	
0010	IH 43 NB	1721'NB'+17	-	1721'NB'+32	RT	-	5	-	-	-	
0010	IH 43 NB	1749'NB'+95	-	1750'NB'+40	RT	-	10	-	-	-	
0010	IH 43 NB	1749'NB'+95	-	1750'NB'+40	LT	-	10	-	-	-	
0010	IH 43 NB	1750'NB'+50	-	1750'NB'+52	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1751'NB'+68	-	1751'NB'+70	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1762'NB'+26	-	1762'NB'+82	LT	-	-	-	217	-	MEDIAN TURNAROUND
0010	IH 43 NB	1848'NB'+08	-	1848'NB'+70	LT	-	-	-	202	-	MEDIAN TURNAROUND
0010	IH 43 NB	1855'NB'+22	-	1855'NB'+67	LT	-	10	-	-	-	
0010	IH 43 NB	1855'NB'+37	-	1855'NB'+82	RT	-	10	-	-	-	
0010	IH 43 NB	1855'NB'+73	-	1855'NB'+75	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1857'NB'+02	-	1857'NB'+04	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1867'NB'+55	-	1867'NB'+57	RT	-	-	6	-	-	NB EXIT RAMP
0010	IH 43 NB	1894'NB'+08	-	1894'NB'+10	RT	-	-	6	-	-	NB ON RAMP
0010	IH 43 NB	1902'NB'+20	-	1902'NB'+65	LT	-	10	-	-	-	
0010	IH 43 NB	1902'NB'+47	-	1902'NB'+92	RT	-	10	-	-	-	
0010	IH 43 NB	1902'NB'+73	-	1902'NB'+75	LT/RT	-	-	13	-	-	
0010	IH 43 NB	1904'NB'+43	-	1904'NB'+45	LT/RT	-	-	12	-	-	
0010	IH 43 NB	1910'NB'+12	-	1910'NB'+14	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1911'NB'+36	-	1911'NB'+38	LT/RT	-	-	9	-	-	
0010	IH 43 NB	1911'NB'+46	-	1911'NB'+66	RT	-	7	-	-	-	
0010	IH 43 NB	1926'NB'+65	-	1927'NB'+24	LT	-	-	-	222	-	MEDIAN TURNAROUND
0010	IH 43 NB	1946'NB'+76	-	1947'NB'+32	LT	-	-	-	204	-	MEDIAN TURNAROUND
0010	IH 43 NB	1988'NB'+32	-	1988'NB'+34	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT/RT	-	-	-	172,496	-	MAINLINE & SHOULDERS
0010	IH 43 SB	1607'SB'+42	-	1607'SB'44	LT/RT	-	-	13	-	-	
0010	IH 43 SB	1665'SB'+13	-	1665'SB'+28	LT	-	5	-	-	-	
0010	IH 43 SB	1665'SB'+13	-	1665'SB'+28	RT	-	5	-	-	-	
				PROJECT SUBTOTAL		**0**	**107**	**162**	**347,517**	**0**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:12 PM

REMOVING PAVEMENT (CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0105 REMOVING PAVEMENT BUTT JOINTS SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	SPV.0180.01 REMOVING CONCRETE SURFACE MILLING SY	REMARKS
0010	IH 43 SB	1665'SB'+33	-	1665'SB'+35	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1666'SB'+99	-	1667'SB'+01	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1719'SB'+63	-	1719'SB'+65	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1720'SB'+92	-	1720'SB'+94	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1720'SB'+94	-	1721'SB'+39	LT	-	10	-	-	-	
0010	IH 43 SB	1721'SB'+02	-	1721'SB'+46	RT	-	10	-	-	-	
0010	IH 43 SB	1749'SB'+95	-	1750'SB'+40	LT	-	10	-	-	-	
0010	IH 43 SB	1750'SB'+25	-	1750'SB'+40	RT	-	5	-	-	-	
0010	IH 43 SB	1750'SB'+49	-	1750'SB'+51	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1751'SB'+66	-	1751'SB'+68	LT/RT	-	-	9	-	-	
0010	IH 43 SB	1855'SB'+17	-	1855'SB'+32	LT	-	5	-	-	-	
0010	IH 43 SB	1855'SB'+48	-	1855'SB'+50	LT/RT	-	-	11	-	-	
0010	IH 43 SB	1856'SB'+72	-	1856'SB'+74	LT/RT	-	-	12	-	-	
0010	IH 43 SB	1864'SB'+73	-	1864'SB'+75	LT	-	-	6	-	-	SB ON RAMP
0010	IH 43 SB	1890'SB'+40	-	1890'SB'+42	LT	-	-	6	-	-	SB EXIT RAMP
0010	IH 43 SB	1900'SB'+29	-	1900'SB'+74	RT	-	10	-	-	-	
0010	IH 43 SB	1900'SB'+81	-	1900'SB'+96	RT	-	5	-	-	-	
0010	IH 43 SB	1901'SB'+08	-	1901'SB'+10	LT/RT	-	-	11	-	-	
0010	IH 43 SB	1903'SB'+01	-	1903'SB'+03	LT/RT	-	-	11	-	-	
0010	IH 43 SB	1909'SB'+87	-	1909'SB'+89	LT/RT	-	-	10	-	-	
0010	IH 43 SB	1911'SB'+20	-	1911'SB'+22	LT/RT	-	-	10	-	-	
0010	IH 43 SB	1911'SB'+37	-	1911'SB'+82	RT	-	10	-	-	-	
0010	IH 43 SB	1911'SB'+19	-	1911'SB'+64	LT	-	10	-	-	-	
0010	IH 43 SB	1988'SB'+32	-	1988'SB'+34	LT/RT	-	-	9	-	-	
0010	STH 147 EB	65'EB'+01	-	65'EB'+05	RT	1	-	-	-	-	
0170	STH 147 WB	6'WB'+73	-	7'WB'+23	LT/RT	133	-	-	-	-	
0010	STH 147 WB	15'WB'+98	-	16'WB'+51	RT	-	-	-	-	100	CORRUGATED MEDIAN
0010	STH 147 WB	16'WB'+55	-	16'WB'+73	LT	26	-	-	-	-	
0010	STH 147 WB	17'WB'+10	-	17'WB'+26	RT	-	-	-	-	19	CORRUGATED MEDIAN
0180	STH 147 WB	28'WB'+44	-	29'WB'+31	RT	-	-	-	-	75	CORRUGATED MEDIAN
0180	STH 147 WB	31'WB'+41	-	31'WB'+91	LT/RT	133	-	-	-	-	
0010	STH 96	12'NS'+89	-	12'NS'+89	LT/RT	-	-	13	-	-	B-05-0239
0010	STH 96	16'NS'+27	-	16'NS'+27	LT/RT	-	-	14	-	-	B-05-0239
0010	HIDDEN VALLEY RD	12'HV'+99	-	13'HV'+85	LT	-	21	-	-	-	
0010	HIDDEN VALLEY RD	12'HV'+86	-	13'HV'+85	RT	-	24	-	-	-	
0010	ZANDER RD	15'ZA'+11	-	15'ZA'+98	LT	-	16	-	-	-	
0010	ZANDER RD	15'ZA'+44	-	16'ZA'+36	RT	-	20	-	-	-	
0010	COOPERSTOWN RD	13'CO'+18	-	14'CO'+10	LT	-	22	-	-	-	
0010	COOPERSTOWN RD	13'CO'+51	-	14'CO'+32	RT	-	16	-	-	-	
				PROJECT SUBTOTAL		**293**	**194**	**167**	**0**	**194**	
				PROJECT TOTAL		**293**	**301**	**329**	**347,517**	**194**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:12 PM

REMOVING GUARDRAIL

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0165 REMOVING GUARDRAIL LF
0010	IH 43 NB	1636'NB'+66	-	1640'NB'+08	LT	342
0010	IH 43 NB	1661'NB'+38	-	1665'NB'+24	RT	386
0010	IH 43 NB	1661'NB'+90	-	1665'NB'+26	LT	336
0010	IH 43 NB	1715'NB'+58	-	1719'NB'+80	RT	422
0010	IH 43 NB	1716'NB'+00	-	1719'NB'+73	LT	373
0010	IH 43 NB	1745'NB'+57	-	1750'NB'+43	RT	486
0010	IH 43 NB	1747'NB'+19	-	1750'NB'+41	LT	322
0010	IH 43 NB	1751'NB'+84	-	1755'NB'+95	RT	411
0010	IH 43 NB	1802'NB'+65	-	1804'NB'+48	LT	377
0010	IH 43 NB	1851'NB'+71	-	1855'NB'+78	RT	407
0010	IH 43 NB	1852'NB'+08	-	1855'NB'+65	LT	357
0010	IH 43 NB	1898'NB'+30	-	1902'NB'+63	LT	433
0010	IN 43 NB	1898'NB'+70	-	1902'NB'+90	RT	420
0010	IH 43 NB	1904'NB'+47	-	1910'NB'+00	LT	553
0010	IH 43 NB	1904'NB'+71	-	1910'NB'+14	RT	543
0010	IH 43 NB	1938'NB'+64	-	1940'NB'+32	LT	350
0010	IH 43 SB	1607'SB'+41	-	1611'SB'+28	RT	387
0010	IH 43 SB	1607'SB'+85	-	1612'SB'+00	LT	416
0010	IH 43 SB	1639'SB'+52	-	1642'SB'+95	RT	344
0010	IH 43 SB	1667'SB'+06	-	1670'SB'+68	RT	363
0010	IH 43 SB	1667'SB'+09	-	1671'SB'+06	LT	397
0010	IH 43 SB	1720'SB'+95	-	1725'SB'+15	LT	420
0010	IH 43 SB	1721'SB'+02	-	1724'SB'+73	RT	371
0010	IH 43 SB	1748'SB'+33	-	1750'SB'+41	LT	208
0010	IH 43 SB	1751'SB'+82	-	1755'SB'+19	RT	338
0010	IH 43 SB	1751'SB'+84	-	1761'SB'+43	LT	959
0010	IH 43 SB	1856'SB'+81	-	1859'SB'+89	RT	308
0010	IH 43 SB	1856'SB'+85	-	1860'SB'+74	LT	387
0010	IH 43 SB	1899'SB'+51	-	1900'SB'+72	LT	120
0010	IH 43 SB	1902'SB'+90	-	1909'SB'+61	LT	671
0010	IH 43 SB	1903'SB'+16	-	1909'SB'+84	RT	668
0010	IH 43 SB	1911'SB'+31	-	1915'SB'+51	LT	421
0010	IH 43 SB	1911'SB'+34	-	1914'SB'+58	RT	324
					PROJECT SUBTOTAL	**13,620**

REMOVING GUARDRAIL (CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0165 REMOVING GUARDRAIL LF
0010	HIDDEN VALLEY RD	12'HV'+71	-	13'HV'+86	RT	115
0010	HIDDEN VALLEY RD	12'HV'+71	-	13'HV'+86	LT	115
0010	HIDDEN VALLEY RD	16'HV'+42	-	17'HV'+67	RT	125
0010	HIDDEN VALLEY RD	16'HV'+41	-	17'HV'+64	LT	123
0010	STH 147 SE RAMP	15'ZSE'+56	-	22'ZSE'+10	RT	654
0010	STH 147 SW RAMP	16'ZSW'+38	-	20'ZSW'+43	LT	405
0010	ZANDER RD	12'ZA'+95	-	15'ZA'+98	LT	303
0010	ZANDER RD	13'ZA'+85	-	16'ZA'+36	RT	290
0010	ZANDER RD	19'ZA'+79	-	22'ZA'+52	LT	546
0010	ZANDER RD	20'ZA'+21	-	28'ZA'+48	RT	828
0010	ZANDER RD	22'ZA'+77	-	28'ZA'+40	LT	833
0010	CTH T	11'T'+86	-	14'T'+62	RT	276
0010	CTH T	12'T'+05	-	14'T'+86	LT	282
0010	COOPERSTOWN RD	12'CO'+83	-	14'CO'+10	LT	127
0010	COOPERSTOWN RD	13'CO'+06	-	14'CO'+32	RT	127
0010	COOPERSTOWN RD	17'CO'+36	-	18'CO'+63	LT	127
0010	COOPERSTOWN RD	17'CO'+58	-	18'CO'+86	RT	128
					PROJECT SUTOTAL	**5,404**
					PROJECT TOTAL	**19,024**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:13 PM

3

REMOVING INLETS & ABANDONING SEWER

CATEGORY	ROADWAY	STATION	OFFSET	204.0220 REMOVING INLETS EACH	204.0291.S ABANDONING SEWER CY
0010	IH 43 NB	1665'NB'+17	RT	1	1.7
0010	IH 43 NB	1665'NB'+17	LT	1	0.6
0010	IH 43 NB	1721'NB'+16	LT	1	0.5
0010	IH 43 NB	1721'NB'+24	RT	1	0.3
0010	IH 43 NB	1750'NB'+35	RT	1	0.3
0010	IH 43 NB	1750'NB'+35	LT	1	0.4
0010	IH 43 NB	1804'NB'+77	LT	1	-
0010	IH 43 NB	1855'NB'+62	LT	1	1.6
0010	IH 43 NB	1855'NB'+77	RT	1	0.2
0010	IH 43 NB	1902'NB'+60	LT	1	0.5
0010	IH 43 NB	1902'NB'+87	RT	1	1.8
0010	IH 43 NB	1911'NB'+53	RT	2	0.6
0010	IH 43 NB	1940'NB'+85	LT	1	-
0010	IH 43 SB	1665'SB'+20	RT	1	0.6
0010	IH 43 SB	1665'SB'+20	LT	1	1.7
0010	IH 43 SB	1720'SB'+98	LT	1	0.3
0010	IH 43 SB	1721'SB'+06	RT	1	0.5
0010	IH 43 SB	1750'SB'+35	RT	1	0.4
0010	IH 43 SB	1750'SB'+35	LT	1	0.2
0010	IH 43 SB	1855'SB'+29	LT	1	0.2
0010	IH 43 SB	1900'SB'+69	LT	1	0.2
0010	IH 43 SB	1900'SB'+97	RT	1	0.2
0010	IH 43 SB	1911'SB'+23	LT	1	0.2
0010	IH 43 SB	1911'SB'+41	RT	1	1.8
0010	HIDDEN VALLEY RD	10'HV'+95	RT	1	2.1
0010	HIDDEN VALLEY RD	10'HV'+95	LT	1	2.1
0010	ZANDER RD	15'ZA'+91	LT	1	1.0
0010	ZANDER RD	16'ZA'+29	RT	1	1.0
0010	COOPERSTOWN RD	14'CO'+02	LT	1	1.1
0010	COOPERSTOWN RD	14'CO'+24	RT	1	2.2
			PROJECT TOTAL	**31**	**24.3**

REMOVING STORM SEWER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0245.01 REMOVING STORM SEWER (01. 18-INCH) LF
0010	IH 43 NB	1940'NB'+85	-	1940'NB'+85	LT	14
				PROJECT TOTAL		**14**

REMOVING APRON ENDWALL

CATEGORY	ROADWAY	STATION	OFFSET	204.9060.S REMOVING APRON ENDWALL EACH
0010	IH 43 NB	1638'NB'+03	LT	1
			PROJECT TOTAL	**1**

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	RT	7.4
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	RT	5.4
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	RT	5.4
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT	9.5
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	LT	3.0
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT	8.4
				PROJECT TOTAL		**39**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:13 PM

BASE AGGREGATE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	LT/RT	5,055	160	52.2
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT/RT	5,285	120	54.1
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	RT	160	-	1.6
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	RT	35	-	0.4
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	RT	126	-	1.3
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT	160	-	1.6
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	LT	17	-	0.2
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT	126	-	1.3
0010	STH 147 SE RAMP	10'ZSE'+00	-	26'ZSE'+11	LT/RT	222	-	2.2
0010	STH 147 SW RAMP	10'ZSW'+00	-	25'ZSW'+18	LT/RT	117	-	1.2
0010	STH 147 NE RAMP	10'ZNE'+00	-	24'ZNE'+07	LT/RT	89	-	0.9
0010	STH 147 NW RAMP	10'ZNW'+00	-	22'ZNW'+22	LT/RT	103	-	1.0
0010	HIDDEN VALLEY RD	11'HV'+87	-	13'HV'+85	LT	50	16	0.7
0010	HIDDEN VALLEY RD	12'HV'+04	-	13'HV'+85	RT	45	16	0.6
0010	HIDDEN VALLEY RD	16'HV'+42	-	18'HV'+18	RT	45	-	0.5
0010	HIDDEN VALLEY RD	16'HV'+42	-	18'HV'+20	LT	45	-	0.5
0010	ZANDER RD	12'ZA'+23	-	15'ZA'+98	LT	100	16	1.2
0010	ZANDER RD	13'ZA'+81	-	16'ZA'+36	RT	60	16	0.8
0010	ZANDER RD	19'ZA'+80	-	22'ZA'+49	LT	50	-	0.5
0010	ZANDER RD	20'ZA'+21	-	29'ZA'+16	RT	240	-	2.4
0010	ZANDER RD	22'ZA'+76	-	29'ZA'+15	LT	120	-	1.2
0010	PLEASANT RD	10'PL'+51	-	14'PL'+11	LT	70	-	0.7
0010	PLEASANT RD	10'PL'+52	-	13'PL'+93	RT	65	-	0.7
0010	CTH T	10'T'+75	-	15'T'+25	RT	40	-	0.4
0010	CTH T	11'T'+74	-	15'T'+74	LT	35	-	0.4
0010	COOPERSTOWN RD	11'CO'+93	-	14'CO'+32	RT	50	16	0.7
0010	COOPERSTOWN RD	12'CO'+07	-	14'CO'+10	LT	55	16	0.7
0010	COOPERSTOWN RD	17'CO'+36	-	19'CO'+54	LT	45	-	0.5
0010	COOPERSTOWN RD	17'CO'+58	-	20'CO'+20	RT	40	-	0.4
				PROJECT TOTAL		**12,650**	**376**	**130**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:13 PM

BASE PATCHING CONCRETE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	390.0303 BASE PATCHING CONCRETE SY	390.0304 BASE PATCHING CONCRETE SHES SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	690.0150 SAWING CONCRETE LF	SPV.0180.02 BASE PATCHING CONCRETE HES SY	SPV.0180.03 CONTINUOUSLY REINFORCED CONCRETE REPAIR HES SY	SPV.0180.04 CONTINUOUSLY REINFORCED CONCRETE REPAIR SHES SY	REMARKS
0010	IH 43 NB	1606'NB'+74	-	1642'NB'+86	LT/RT	3	-	114	-	1,056	-	155	8	PROJECT LIMITS - MILE 164
0010	IH 43 NB	1642'NB'+86	-	1695'NB'+66	LT/RT	-	-	201	-	3,541	106	331	17	MILE 164 - MILE 165
0010	IH 43 NB	1695'NB'+66	-	1748'NB'+46	LT/RT	-	-	271	-	3,511	79	395	21	MILE 165 - MILE 166
0010	IH 43 NB	1748'NB'+46	-	1801'NB'+26	LT/RT	4	-	213	-	3,449	111	285	15	MILE 166 - MILE 167
0010	IH 43 NB	1801'NB'+26	-	1854'NB'+06	LT/RT	11	-	195	-	1,614	-	221	12	MILE 167 - MILE 168
0010	IH 43 NB	1854'NB'+06	-	1906'NB'+85	LT/RT	6	-	440	-	4,666	56	599	32	MILE 168 - MILE 169
0010	IH 43 NB	1906'NB'+85	-	1959'NB'+66	LT/RT	9	-	361	-	3,650	56	484	25	MILE 169 - MILE 170
0010	IH 43 NB	1959'NB'+66	-	1988'NB'+34	LT/RT	-	-	150	-	1,331	-	274	14	MILE 170 - PROJECT LIMITS
0010	IH 43 SB	1607'SB'+42	-	1642'SB'+86	LT/RT	-	-	116	-	1,470	28	191	10	PROJECT LIMITS - MILE 164
0010	IH 43 SB	1642'SB'+86	-	1695'SB'+66	LT/RT	4	-	149	-	3,449	153	231	12	MILE 164 - MILE 165
0010	IH 43 SB	1695'SB'+66	-	1748'SB'+46	LT/RT	-	-	246	-	3,659	97	380	20	MILE 165 - MILE 166
0010	IH 43 SB	1748'SB'+46	-	1800'SB'+75	LT/RT	4	-	142	-	3,817	189	187	10	MILE 166 - MILE 167
0010	IH 43 SB	1800'SB'+75	-	1854'SB'+04	LT/RT	8	-	93	-	2,814	154	103	5	MILE 167 - MILE 168
0010	IH 43 SB	1854'SB'+04	-	1907'SB'+24	LT/RT	-	-	304	-	3,805	83	629	33	MILE 168 - MILE 169
0010	IH 43 SB	1907'SB'+24	-	1959'SB'+66	LT/RT	4	-	501	-	6,403	111	799	42	MILE 169 - MILE 170
0010	IH 43 SB	1959'SB'+66	-	1988'SB'+34	LT/RT	11	-	61	-	270	-	39	2	MILE 170 - PROJECT LIMITS
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	RT	-	-	-	28	34	9	-	-	
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	LT/RT	-	-	-	141	-	261	-	-	
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	RT	-	-	-	28	34	9	-	-	
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT	-	-	-	84	106	35	-	-	
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	LT/RT	-	-	-	27	-	49	-	-	
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT	-	-	-	28	34	9	-	-	
0010	STH 147 SE RAMP	10'ZSE'+00	-	26'ZSE'+11	LT/RT	98	1	61	300	464	4	-	-	
0010	STH 147 SW RAMP	10'ZSW'+00	-	25'ZSW'+18	LT/RT	230	2	144	510	856	9	-	-	
0010	STH 147 NE RAMP	10'ZNE'+00	-	24'ZNE'+07	LT/RT	538	5	43	315	322	21	-	-	
0010	STH 147 NW RAMP	10'ZNW'+00	-	22'ZNW'+22	LT/RT	771	8	237	120	446	30	-	-	
0010	UNDISTRIBUTED					255	2	606	237	7,620	249	796	42	
				PROJECT SUBTOTAL		**1,955**	**18**	**4,648**	**1,818**	**58,421**	**1,908**	**6,099**	**321**	
				PROJECT TOTAL		**1,955**	**18**	**4,648**	**1,818**	***59,271**	**1,908**	**6,099**	**321**	

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:13 PM

3

CONCRETE SURFACE DRAINS

CATEGORY	ROADWAY	STATION	OFFSET	416.1010 CONCRETE SURFACE DRAINS CY
0010	IH 43 NB	1664'NB'+80	RT	0.25
0010	IH 43 NB	1664'NB'+81	LT	0.25
0010	IH 43 NB	1721'NB'+25	LT	0.35
0010	IH 43 NB	1721'NB'+31	RT	0.35
0010	IH 43 NB	1749'NB'+97	RT	0.35
0010	IH 43 NB	1749'NB'+97	LT	0.35
0010	IH 43 NB	1855'NB'+39	RT	0.35
0010	IH 43 NB	1855'NB'+25	LT	0.35
0010	IH 43 NB	1902'NB'+49	RT	0.35
0010	IH 43 NB	1902'NB'+23	LT	0.35
0010	IH 43 NB	1911'NB'+75	RT	0.35
0010	IH 43 SB	1665'SB'+13	RT	0.35
0010	IH 43 SB	1665'SB'+16	LT	0.35
0010	IH 43 SB	1721'SB'+37	LT	0.35
0010	IH 43 SB	1721'SB'+45	RT	0.35
0010	IH 43 SB	1749'SB'+97	LT	0.35
0010	IH 43 SB	1750'SB'+25	RT	0.35
0010	IH 43 SB	1855'SB'+18	LT	0.35
0010	IH 43 SB	1900'SB'+31	LT	0.35
0010	IH 43 SB	1900'SB'+81	RT	0.35
0010	IH 43 SB	1911'SB'+61	LT	0.35
0010	IH 43 SB	1911'SB'+79	RT	0.35
0010	HIDDEN VALLEY RD	13'HV'+66	LT	0.25
0010	HIDDEN VALLEY RD	13'HV'+66	RT	0.25
0010	ZANDER RD	15'ZA'+79	LT	0.25
0010	ZANDER RD	16'ZA'+17	RT	0.25
0010	COOPERSTOWN RD	13'CO'+91	LT	0.25
0010	COOPERSTOWN RD	14'CO'+13	RT	0.25
		PROJECT TOTAL		**9.0**

ASPHALTIC SHOULDER RUMBLE STRIPS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	LT/RT	72,232
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT/RT	72,075
				PROJECT TOTAL		**144,307**

ADJUSTING INLET COVERS

CATEGORY	ROADWAY	STATION	OFFSET	611.8115 ADJUSTING INLET COVERS EACH
0170	STH 147 WB	14'WB'+70	RT	1
0180	STH 147 EB	67'EB'+33	LT	1
0180	STH 147 EB	69'EB'+99	LT	1
		PROJECT TOTAL		**3**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:14 PM

HMA ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0126.S REMOVING ASPHALTIC LONGITUDINAL NOTCHED WEDGE JOINT MILLING	450.4000 HMA COLD WEATHER PAVING	455.0605 TACK COAT	HMA PAVEMENT 4 SMA 58-28 V		HMA PAVEMENT 4 LT 58-28 S		HMA PAVEMENT 4 HT 58-28 S				REMARKS
									460.8624	INCENTIVE DENSITY HMA	460.5224	INCENTIVE DENSITY HMA	460.7224	INCENTIVE DENSITY PWL	INCENTIVE AIR VOIDS	INCENTIVE DENSITY HMA PAVEMENT LONGITUDINAL JOINTS	
						LF	TON	GAL	TON	TON*	TON	TON*	TON	TON**	TON***	LF****	
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	LT/RT	37,340	1,500	12,819	10,468	10,468	-	-	11,537	11,537	11,537	38,160	MAINLINE
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	LT/RT	-	500	8,033	2,440	2,440	8,663	8,663	2,688	-	2,688	-	SHOULDERS
0010	IH 43 NB	1629'NB'+61	-	1630'NB'+21	LT	-	-	26	-	-	45	45	-	-	-	-	MEDIAN
0010	IH 43 NB	1701'NB'+70	-	1702'NB'+25	LT	-	-	23	-	-	39	39	-	-	-	-	MEDIAN
0010	IH 43 NB	1762'NB'+26	-	1762'NB'+82	LT	-	-	26	-	-	45	45	-	-	-	-	MEDIAN
0010	IH 43 NB	1848'NB'+08	-	1848'NB'+70	LT	-	-	24	-	-	42	42	-	-	-	-	MEDIAN
0010	IH 43 NB	1926'NB'+65	-	1927'NB'+24	LT	-	-	27	-	-	46	46	-	-	-	-	MEDIAN
0010	IH 43 NB	1946'NB'+76	-	1947'NB'+32	LT	-	-	24	-	-	42	42	-	-	-	-	MEDIAN
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT/RT	37,272	1,500	12,724	10,391	10,391	-	-	11,453	11,453	11,453	38,092	MAINLINE
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT/RT	-	500	7,975	2,434	2,434	8,575	8,575	2,681	-	2,681	-	SHOULDERS
0010	STH 147 SE RAMP	10'ZSE'+00	-	26'ZSE'+11	LT/RT	-	-	135	-	-	-	-	235	-	235	-	MAINLINE
0010	STH 147 SE RAMP	10'ZSE'+00	-	26'ZSE'+11	LT/RT	-	-	103	-	-	179	179	-	-	-	-	SHOULDERS
0010	STH 147 SW RAMP	10'ZSW'+00	-	25'ZSW'+18	LT/RT	-	-	113	-	-	-	-	197	-	197	-	MAINLINE
0010	STH 147 SW RAMP	10'ZSW'+00	-	25'ZSW'+18	LT/RT	-	-	90	-	-	158	158	-	-	-	-	SHOULDERS
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	LT/RT	-	-	81	-	-	125	125	-	-	-	-	MAINLINE
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	LT/RT	-	-	12	-	-	51	51	-	-	-	-	SHOULDERS
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	LT/RT	-	-	2	-	-	3	3	-	-	-	-	INTERSECTION
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	LT/RT	-	-	79	-	-	122	122	-	-	-	-	MAINLINE
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	LT/RT	-	-	114	-	-	176	176	-	-	-	-	INTERSECTION
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	LT/RT	-	-	73	-	-	112	112	-	-	-	-	MAINLINE
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	LT/RT	-	-	9	-	-	37	37	-	-	-	-	SHOULDERS
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	LT/RT	-	-	9	-	-	14	14	-	-	-	-	INTERSECTION
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT/RT	-	-	126	-	-	194	194	-	-	-	-	MAINLINE
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT/RT	-	-	7	-	-	27	27	-	-	-	-	SHOULDERS
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT/RT	-	-	56	-	-	87	87	-	-	-	-	INTERSECTION
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	LT/RT	-	-	79	-	-	122	122	-	-	-	-	MAINLINE
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	LT/RT	-	-	218	-	-	336	336	-	-	-	-	INTERSECTION
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT/RT	-	-	123	-	-	190	190	-	-	-	-	MAINLINE
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT/RT	-	-	18	-	-	74	74	-	-	-	-	SHOULDERS
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT/RT	-	-	14	-	-	22	22	-	-	-	-	INTERSECTION
0010	STH 147 NE RAMP	10'ZNE'+00	-	24'ZNE'+07	LT/RT	-	-	110	-	-	-	-	192	-	192	-	MAINLINE
0010	STH 147 NE RAMP	10'ZNE'+00	-	24'ZNE'+07	LT/RT	-	-	88	-	-	153	153	-	-	-	-	SHOULDERS
0010	STH 147 NW RAMP	10'ZNW'+00	-	22'ZNW'+22	LT/RT	-	-	137	-	-	-	-	238	-	238	-	MAINLINE
0010	STH 147 NW RAMP	10'ZNW'+00	-	22'ZNW'+22	LT/RT	-	-	103	-	-	180	180	-	-	-	-	SHOULDERS
0010	STH 96	12'NS'+89	-	16'NS'+27	LT/RT	-	-	45	-	-	78	78	-	-	-	-	B-05-0239
				PROJECT TOTAL		**74,612**	**4,000**	**43,645**	**25,733**	**25,733**	**19,937**	**19,937**	**29,221**	**22,990**	**29,221**	**76,252**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

* Tonnage is eligible for Incentive Density HMA Pavement 460.2000.
** Tonnage is eligible for Incentive Density PWL HMA Pavement 460.2005.
*** Tonnage is eligible for Incentive Air Voids HMA Pavement 460.2010.
**** LF is eligible for Incentive Density HMA Pavement Longitudinal Joints 460.2007.

Preliminary

07/08/2021 1:23:14 PM

DRAINAGE ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.3418 CULVERT PIPE CLASS III-A NON-METAL LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	611.0642 INLET COVERS TYPE MS EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	633.5200 MARKERS CULVERT END EACH
0010	IH 43 NB	1638'NB'+03	-	1638'NB'+03	LT	-	-	-	1	-	-	-	1
0010	IH 43 NB	1699'NB'+16	-	1699'NB'+76	RT	2	60	-	-	-	-	-	2
0010	IH 43 NB	1755'NB'+71	-	1756'NB'+58	RT	2	95	-	-	-	-	-	2
0010	IH 43 NB	1784'NB'+86	-	1784'NB'+86	LT	-	-	1	-	-	-	-	-
0010	IH 43 NB	1804'NB'+77	-	1804'NB'+77	LT	-	-	1	-	14	1	1	1
0010	IH 43 NB	1804'NB'+77	-	1805'NB'+41	LT	-	-	-	-	64	1	1	1
0010	IH 43 NB	1940'NB'+85	-	1940'NB'+85	LT	-	-	-	-	-	1	1	1
0010	IH 43 NB	1940'NB'+85	-	1941'NB'+25	LT	-	-	-	-	40	1	1	1
0010	IH 43 SB	1699'SB'+70	-	1700'SB'+66	LT	2	100	-	-	-	-	-	2
				PROJECT TOTAL		**6**	**255**	**2**	**1**	**118**	**4**	**4**	**11**

BARRIER SYSTEM GRADING SHAPING AND FINISHING

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	614.0010 BARRIER SYSTEM GRADING SHAPING AND FINISHING EACH	628.2004 EROSION MAT CLASS 1 TYPE B SY	*EXCAVATION COMMON CY	*BORROW CY	*SEED WATER MGAL	*TOPSOIL SY	*FERTILIZER TYPE B CWT	*SEEDING MIXTURE #30 LB
0010	IH 43 NB	1800'NB'+55	-	1806'NB'+45	LT	1	3,200	10	265	75	3,200	2.0	60
0010	IH 43 NB	1936'NB'+61	-	1942'NB'+40	LT	1	3,100	5	270	70	3,100	2.0	60
0010		UNDISTRIBUTED				-	1,600	-	-	-	-	-	-
				PROJECT SUBTOTAL		**2**	**7,900**	**	**	**	**	**	**
				PROJECT TOTAL		**2**	***8,912**	**	**	**	**	**	**

NOTES:
*ITEMS & QUANTITIES LISTED FOR BID INFORMATION ONLY
**COMMON, BORROW, TOPSOIL, SEED, WATER, AND FERTILIZER ITEMS FOR RESTORATION OF DISTURBED AREAS ADJACENT TO BULLNOSE AREAS PAID UNDER "BARRIER SYSTEM GRADING SHAPING AND FINISH
***ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:14 PM

CONCRETE CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0588 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT LF
0010	IH 43 NB	1664'NB'+79	-	1665'NB'+24	LT	-	45
0010	IH 43 NB	1664'NB'+77	-	1665'NB'+22	RT	-	45
0010	IH 43 NB	1721'NB'+12	-	1721'NB'+22	LT	10	-
0010	IH 43 NB	1721'NB'+17	-	1721'NB'+27	RT	10	-
0010	IH 43 NB	1749'NB'+95	-	1750'NB'+40	RT	-	45
0010	IH 43 NB	1749'NB'+95	-	1750'NB'+40	LT	-	45
0010	IH 43 NB	1855'NB'+22	-	1855'NB'+67	LT	-	45
0010	IH 43 NB	1855'NB'+37	-	1855'NB'+82	RT	-	45
0010	IH 43 NB	1902'NB'+20	-	1902'NB'+65	LT	-	45
0010	IH 43 NB	1902'NB'+47	-	1902'NB'+92	RT	-	45
0010	IH 43 NB	1911'NB'+55	-	1911'NB'+65	RT	10	-
0010	IH 43 SB	1665'SB'+14	-	1665'SB'+24	RT	10	-
0010	IH 43 SB	1665'SB'+17	-	1665'SB'+27	LT	10	-
0010	IH 43 SB	1720'SB'+94	-	1721'SB'+39	LT	-	45
0010	IH 43 SB	1721'SB'+02	-	1721'SB'+46	RT	-	45
0010	IH 43 SB	1749'SB'+95	-	1750'SB'+40	LT	-	45
0010	IH 43 SB	1750'SB'+28	-	1750'SB'+38	RT	10	-
0010	IH 43 SB	1855'SB'+21	-	1855'SB'+31	LT	10	-
0010	IH 43 SB	1900'SB'+29	-	1900'SB'+74	LT	-	45
0010	IH 43 SB	1900'SB'+85	-	1900'SB'+95	RT	10	-
0010	IH 43 SB	1911'SB'+37	-	1911'SB'+82	RT	-	45
0010	IH 43 SB	1911'SB'+19	-	1911'SB'+64	LT	-	45
0010	HIDDEN VALLEY RD	13'HV'+63	-	13'HV'+85	LT	-	23
0010	HIDDEN VALLEY RD	13'HV'+63	-	13'HV'+85	RT	-	23
0010	ZANDER RD	15'ZA'+75	-	15'ZA'+98	LT	-	23
0010	ZANDER RD	16'ZA'+14	-	16'ZA'+36	RT	-	23
0010	COOPERSTOWN RD	13'CO'+87	-	14'CO'+10	LT	-	23
0010	COOPERSTOWN RD	14'CO'+10	-	14'CO'+32	RT	-	23
					PROJECT TOTAL	**80**	**768**

RIPRAP MEDIUM AND GEOTEXTILE TYPE HR

CATEGORY	ROADWAY	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE TYPE R SY
0010	IH 43 NB	1664'NB'+80	RT	0.65	4
0010	IH 43 NB	1664'NB'+81	LT	0.65	4
0010	IH 43 NB	1721'NB'+25	LT	0.65	4
0010	IH 43 NB	1721'NB'+31	RT	0.65	4
0010	IH 43 NB	1726'NB'+10	RT	0.65	4
0010	IH 43 NB	1726'NB'+70	RT	0.65	4
0010	IH 43 NB	1749'NB'+97	RT	0.65	4
0010	IH 43 NB	1749'NB'+97	LT	0.65	4
0010	IH 43 NB	1855'NB'+39	RT	0.65	4
0010	IH 43 NB	1855'NB'+25	LT	0.65	4
0010	IH 43 NB	1902'NB'+49	RT	0.65	4
0010	IH 43 NB	1902'NB'+23	LT	0.65	4
0010	IH 43 NB	1911'NB'+75	RT	0.65	4
0010	IH 43 SB	1665'SB'+13	RT	0.65	4
0010	IH 43 SB	1665'SB'+16	LT	0.65	4
0010	IH 43 SB	1701'SB'+69	LT	0.65	4
0010	IH 43 SB	1721'SB'+37	LT	0.65	4
0010	IH 43 SB	1721'SB'+45	RT	0.65	4
0010	IH 43 SB	1749'SB'+97	LT	0.65	4
0010	IH 43 SB	1750'SB'+25	RT	0.65	4
0010	IH 43 SB	1855'SB'+18	LT	0.65	4
0010	IH 43 SB	1900'SB'+31	LT	0.65	4
0010	IH 43 SB	1900'SB'+81	RT	0.65	4
0010	IH 43 SB	1911'SB'+61	LT	0.65	4
0010	IH 43 SB	1911'SB'+79	RT	0.65	4
0010	HIDDEN VALLEY RD	13'HV'+66	LT	0.60	4
0010	HIDDEN VALLEY RD	13'HV'+66	RT	0.60	4
0010	ZANDER RD	15'ZA'+79	LT	0.60	4
0010	ZANDER RD	16'ZA'+17	RT	0.60	4
0010	COOPERSTOWN RD	13'CO'+91	LT	0.60	4
0010	COOPERSTOWN RD	14'CO'+13	RT	0.60	4
			PROJECT TOTAL	**19.85**	**124**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:14 PM

GUARDRAIL ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2350 MGS GUARDRAIL SHORT RADIUS LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH	614.2630 MGS GUARDRAIL SHORT RADIUS TERMINAL EACH
0010	IH 43 NB	1636'NB'+72	-	1640'NB'+00	LT	-	-	275	-	-	-	1	-	-
0010	IH 43 NB	1661'NB'+42	-	1665'NB'+22	RT	-	-	288	-	-	39	1	-	-
0010	IH 43 NB	1661'NB'+94	-	1665'NB'+24	LT	-	-	238	-	-	39	1	-	-
0010	IH 43 NB	1715'NB'+62	-	1719'NB'+80	RT	-	-	288	-	-	39	1	-	-
0010	IH 43 NB	1716'NB'+04	-	1719'NB'+71	LT	-	-	275	-	-	39	1	-	-
0010	IH 43 NB	1745'NB'+60	-	1750'NB'+40	RT	-	-	388	-	-	39	1	-	-
0010	IH 43 NB	1747'NB'+22	-	1750'NB'+40	LT	-	-	225	-	-	39	1	-	-
0010	IH 43 NB	1802'NB'+65	-	1804'NB'+35	LT	2	125	-	-	-	-	-	-	-
0010	IH 43 NB	1851'NB'+77	-	1855'NB'+82	RT	-	-	313	-	-	39	1	-	-
0010	IH 43 NB	1852'NB'+13	-	1855'NB'+67	LT	-	-	263	-	-	39	1	-	-
0010	IH 43 NB	1898'NB'+35	-	1902'NB'+65	LT	-	-	338	-	-	39	1	-	-
0010	IH 43 NB	1898'NB'+74	-	1902'NB'+92	RT	-	-	325	-	-	39	1	-	-
0010	IH 43 NB	1904'NB'+47	-	1909'NB'+95	LT	-	-	500	-	-	48	-	-	-
0010	IH 43 NB	1904'NB'+76	-	1910'NB'+09	RT	-	-	486	-	-	48	-	-	-
0010	IH 43 NB	1938'NB'+63	-	1940'NB'+31	LT	2	125	-	-	-	-	-	-	-
0010	IH 43 SB	1607'SB'+91	-	1611'SB'+96	LT	-	-	313	-	-	39	1	-	-
0010	IH 43 SB	1607'SB'+43	-	1610'SB'+23	RT	-	-	288	-	-	39	1	-	-
0010	IH 43 SB	1635'SB'+50	-	1642'SB'+91	RT	-	-	288	-	-	-	1	1	-
0010	IH 43 SB	1667'SB'+09	-	1670'SB'+64	RT	-	-	263	-	-	39	1	-	-
0010	IH 43 SB	1667'SB'+11	-	1671'SB'+03	LT	-	-	300	-	-	39	1	-	-
0010	IH 43 SB	1720'SB'+94	-	1725'SB'+12	LT	-	-	325	-	-	39	1	-	-
0010	IH 43 SB	1721'SB'+02	-	1724'SB'+70	RT	-	-	275	-	-	39	1	-	-
0010	IH 43 SB	1748'SB'+32	-	1750'SB'+40	LT	-	-	200	-	-	39	-	1	-
0010	IH 43 SB	1751'SB'+86	-	1761'SB'+41	LT	-	-	863	-	-	39	1	-	-
0010	IH 43 SB	1751'SB'+86	-	1755'SB'+16	RT	-	-	400	-	-	8	1	-	-
0010	IH 43 SB	1856'SB'+65	-	1860'SB'+69	LT	-	-	309	-	-	39	1	-	-
0010	IH 43 SB	1856'SB'+83	-	1859'SB'+87	RT	-	-	213	-	-	39	1	-	-
0010	IH 43 SB	1899'SB'+53	-	1900'SB'+74	LT	-	-	113	-	-	8	-	1	-
0010	IH 43 SB	1902'SB'+84	-	1909'SB'+61	LT	-	-	630	-	-	48	-	-	-
0010	IH 43 SB	1903'SB'+20	-	1909'SB'+77	RT	-	-	611	-	-	48	-	-	-
0010	IH 43 SB	1911'SB'+19	-	1915'SB'+49	LT	-	-	338	-	-	39	1	-	-
0010	IH 43 SB	1911'SB'+37	-	1914'SB'+54	RT	-	-	225	-	-	39	1	-	-
0010	STH 147 SE RAMP	15'ZSE'+63	-	22'ZSE'+17	RT	-	-	600	-	-	-	1	1	-
0010	STH 147 SW RAMP	16'ZSW'+47	-	20'ZSW'+38	LT	-	-	25	313	-	-	1	1	-
0010	HIDDEN VALLEY RD	12'HV'+55	-	13'HV'+85	LT	-	-	38	-	-	39	1	-	-
0010	HIDDEN VALLEY RD	12'HV'+55	-	13'HV'+85	RT	-	-	38	-	-	39	1	-	-
0010	HIDDEN VALLEY RD	16'HV'+42	-	17'HV'+72	LT	-	-	38	-	-	39	1	-	-
0010	HIDDEN VALLEY RD	16'HV'+42	-	17'HV'+72	RT	-	-	38	-	-	39	1	-	-
0010	ZANDER RD	12'ZA'+93	-	15'ZA'+98	LT	-	-	-	213	-	39	1	-	-
0010	ZANDER RD	13'ZA'+75	-	16'ZA'+36	RT	-	-	-	175	70	39	-	-	1
		PROJECT SUBTOTAL				**4**	**250**	**10,924**	**700**	**70**	**1,310**	**31**	**5**	**1**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:14 PM

3

GUARDRAIL ITEMS (CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2350 MGS GUARDRAIL SHORT RADIUS LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH	614.2630 MGS GUARDRAIL SHORT RADIUS TERMINAL EACH
0010	ZANDER RD	19'ZA'+80	-	28'ZA'+35	LT	-	-	-	638	156	39	1	-	-
0010	ZANDER RD	20'ZA'+21	-	28'ZA'+51	RT	-	-	-	738	-	39	1	-	-
0010	PLEASANT RD	10'PL'+62	-	13'PL'+03	LT	-	-	-	188	-	-	1	-	-
0010	PLEASANT RD	10'PL'+76	-	13'PL'+17	RT	-	-	-	188	-	-	1	-	-
0010	CTH T	12'T'+02	-	14'T'+83	LT	-	-	175	-	-	-	2	-	-
0010	CTH T	11'T'+83	-	14'T'+65	RT	-	-	175	-	-	-	2	-	-
0010	COOPERSTOWN RD	12'CO'+65	-	14'CO'+32	RT	-	-	-	75	-	39	1	-	-
0010	COOPERSTOWN RD	12'CO'+80	-	14'CO'+10	LT	-	-	-	38	-	39	1	-	-
0010	COOPERSTOWN RD	17'CO'+36	-	18'CO'+66	LT	-	-	-	38	-	39	1	-	-
0010	COOPERSTOWN RD	17'CO'+58	-	19'CO'+26	RT	-	-	-	75	-	39	1	-	-
				PROJECT SUBTOTAL		**0**	**0**	**350**	**1,975**	**156**	**236**	**12**	**0**	**0**
				PROJECT TOTAL		**4**	**250**	**11,274**	**2,675**	**226**	**1,546**	**43**	**5**	**1**

FENCE WOVEN WIRE 4-FT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	616.0100 FENCE WOVEN WIRE 4-FT LF
0010	IH 43 NB	1606'NB'+74	-	2012'NB'+81	RT	41,858
0010	IH 43 SB	1607'SB'+42	-	2012'SB'+81	LT	39,480
				PROJECT TOTAL		**81,338**

MOBILIZATIONS EROSION CONTROL

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	1227-12-72	14	7
	PROJECT TOTAL	**14**	**7**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:15 PM

3

EROSION CONTROL SUMMARY

CATEGORY	ROADWAY	STATION	OFFSET	628.7010 INLET PROTECTION TYPE B EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7570 ROCK BAGS EACH
0010	IH 43 NB	1800'NB'+45	LT	-	30	10
0010	IH 43 NB	1804'NB'+77	LT	1	-	-
0010	IH 43 NB	1805'NB'+41	LT	1	-	-
0010	IH 43 NB	1936'NB'+51	LT	-	30	10
0010	IH 43 NB	1940'NB'+85	LT	1	-	-
0010	IH 43 NB	1941'NB'+25	LT	1	-	-
		UNDISTRIBUTED		2	20	10
		PROJECT TOTAL		**6**	**80**	**30**

LIVING SNOW FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	632.0101.01 TREES AMERICAN HAZELNUT 12-18" EACH	632.0101.02 TREES COMMON NINEBARK 12-18" EACH	632.0101.03 TREES RED OSIER DOGWOOD 12-18" EACH	632.9101 LANDSCAPING PLANTING SURVEILLANCE AND CARE CYCLES EACH
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT	-	-	-	26
0010	IH 43 SB	1609'SB'+13	-	1626'SB'+82	LT	443	443	443	-
0010	IH 43 SB	1629'SB'+96	-	1639'SB'+06	LT	228	228	228	-
0010	IH 43 SB	1693'SB'+02	-	1718'SB'+69	LT	643	643	643	-
0010	IH 43 SB	1721'SB'+14	-	1741'SB'+12	LT	506	506	506	-
0010	IH 43 SB	1805'SB'+94	-	1813'SB'+13	LT	176	176	176	-
0010	IH 43 SB	1822'SB'+50	-	1854'SB'+85	LT	807	807	807	-
0010	IH 43 SB	1902'SB'+76	-	1908'SB'+66	LT	147	147	147	-
0010	IH 43 SB	1911'SB'+21	-	1920'SB'+91	LT	245	245	245	-
0010	IH 43 SB	1941'SB'+79	-	1944'SB'+70	LT	73	73	73	-
0010	IH 43 SB	1968'SB'+00	-	1984'SB'+21	LT	404	404	404	-
0010	IH 43 SB	1985'SB'+01	-	1988'SB'+35	LT	83	83	83	-
0010	STH 147 SW RAMP	12'ZSW'+15	-	17'ZSW'+25	LT	124	124	124	-
0010	STH 147 NW RAMP	12'ZNW'+38	-	21'ZNW'+44	LT	224	224	224	-
				PROJECT TOTAL		**4,103**	**4,103**	**4,103**	**26**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:15 PM

3

RESTORATION SUMMARY

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	625.0500 SALVAGED TOPSOIL SY	628.2004 EROSION MAT CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	REMARKS
0010	IH 43 NB	1638'NB'+03	-	1638'NB'+03	LT	10	10	0.3	0.3	ENDWALL
0010	IH 43 NB	1699'NB'+16	-	1699'NB'+76	RT	200	200	6.3	5.4	CULVERT REPLACEMENT
0010	IH 43 SB	1699'SB'+70	-	1700'SB'+66	LT	275	275	8.7	7.4	CULVERT REPLACEMENT
0010	IH 43 NB	1664'NB'+80	-	1664'NB'+80	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1664'NB'+81	-	1664'NB'+81	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1721'NB'+25	-	1721'NB'+25	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1721'NB'+31	-	1721'NB'+31	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1726'NB'+10	-	1726'NB'+10	RT	10	10	0.3	0.3	RIPRAP AREA
0010	IH 43 NB	1726'NB'+70	-	1726'NB'+70	RT	10	10	0.3	0.3	RIPRAP AREA
0010	IH 43 NB	1749'NB'+97	-	1749'NB'+97	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1749'NB'+97	-	1749'NB'+97	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1755'NB'+71	-	1756'NB'+58	RT	234	234	7.4	6.3	CULVERT REPLACEMENT
0010	IH 43 NB	1784'NB'+86	-	1784'NB'+86	LT	10	10	0.3	0.3	MEDIAN INLET
0010	IH 43 NB	1855'NB'+39	-	1855'NB'+39	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1855'NB'+25	-	1855'NB'+25	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1902'NB'+49	-	1902'NB'+49	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1902'NB'+23	-	1902'NB'+23	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1911'NB'+75	-	1911'NB'+75	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1665'SB'+13	-	1665'SB'+13	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1665'SB'+16	-	1665'SB'+16	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1721'SB'+37	-	1721'SB'+37	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1721'SB'+45	-	1721'SB'+45	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1749'SB'+97	-	1749'SB'+97	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1750'SB'+25	-	1750'SB'+25	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1855'SB'+18	-	1855'SB'+18	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1900'SB'+31	-	1900'SB'+31	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1900'SB'+81	-	1900'SB'+81	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1911'SB'+61	-	1911'SB'+61	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1911'SB'+79	-	1911'SB'+79	RT	5	5	0.2	0.1	FLUME
0010	HIDDEN VALLEY RD	13'HV'+66	-	13'HV'+66	LT	5	5	0.2	0.1	FLUME
0010	HIDDEN VALLEY RD	13'HV'+66	-	13'HV'+66	RT	5	5	0.2	0.1	FLUME
0010	ZANDER RD	15'ZA'+79	-	15'ZA'+79	LT	5	5	0.2	0.1	FLUME
0010	ZANDER RD	16'ZA'+17	-	16'ZA'+17	RT	5	5	0.2	0.1	FLUME
0010	COOPERSTOWN RD	13'CO'+91	-	13'CO'+91	LT	5	5	0.2	0.1	FLUME
0010	COOPERSTOWN RD	14'CO'+13	-	14'CO'+13	RT	5	5	0.2	0.1	FLUME
0010	UNDISTRIBUTED					133	133	4.2	3.6	
				PROJECT SUBTOTAL		**1,012**	**1,012**	**31.9**	**27**	
				PROJECT TOTAL		**1,012**	***8,912**	**31.9**	**27**	

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:15 PM

3

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE I

SIGN NO.	LOCATION	SIGN CODE	W X H	638.2601 REMOVING SIGNS TYPE I EACH	638.3100 REMOVING STRUCTURAL STEEL SUPPORTS EACH	637.1220 SIGNS TYPE I REFLECTIVE TYPE SH S.F.	TYPE/SIZE OF STEEL AND BASES	531.1100 CONCRETE MASONRY ANC. STR TYPE NS CY*	531.1140 STEEL REINF. HS ANC. STRUCTURES TYPE NS LB*	531.2024 DRILLING SHAFT 24-INCH LF*	635.0200 SIGN SUPPORTS STRUCT. STEEL HIGH-STRENGTH LB*	INFO ONLY - POST LENGTH TO BE VERIFIED BY CONTRACTOR POST NO. 1 LENGTH (ROAD SIDE) FT	POST NO. 2 LENGTH (DITCH) FT	POST NO. 3 LENGTH (MIDDLE) FT	REMARKS
1	IH 43 SB, N. OF PAUTZ RD	E8-1	192" X 84"	1	2	112.0	2-W10X22	2.0	302	17	1,115	18.0	20.5		
2	IH 43 NB, N. OF PAUTZ RD	E4-1A	216" X 132"	1	2	198.0	3-W12X26	3.6	540	30	2,016	23.0	25.5	11.5	
3	"	E1-5P	120" X 30"	---	---	25.0	---	---	---	---	---	---	---	---	MOUNT ABOVE SIGN 2
4	IH 43 SB, N. OF STH 147	E4-1A	216" X 132"	1	2	198.0	3-W12X26	3.6	540	30	2,016	23.0	25.5	11.5	
5	"	E1-5P	120" X 30"	---	---	25.0	---	---	---	---	---	---	---	---	MOUNT ABOVE SIGN 4
6	"	E3-1	---	1	2	---	---	---	---	---	---	---	---	---	
7	IH 43 NB, N. OF STH 147	E8-1	192" X 60"	1	2	80.0	2-W10X22	2.0	302	17	1,060	17.0	19.0		
8	IH 43 SB, N. OF STH 147	E1-1A	216" X 162"	1	2	243.0	3-W12X26	3.6	540	30	2,016	23.0	25.5	11.5	
9	"	E1-5P	120" X 30"	---	---	25.0	---	---	---	---	---	---	---	---	MOUNT ABOVE SIGN 8
10	IH 43 NB, N. OF STH 147	E5-51	120" X 54"	1	2	45.0	2-W6X15	1.6	142	13	679	16.5	19.0		
11		E5-52	120" X 54"	1	2	45.0	2-W6X15	1.6	142	13	626	15.0	17.0		
12	IH 43 SB, N. OF STH 147	E5-52	120" X 54"	1	2	45.0	2-W6X15	1.6	142	13	656	16.0	18.0		
13		E5-51	120" X 54"	1	2	45.0	2-W6X15	1.6	142	13	671	16.5	18.5		
14	IH 43 NB, N. OF COOPERSTOWN RD	E1-1A	192" X 162"	1	2	216.0	3-W12X26	3.6	540	30	2,133	25.0	27.0	12.5	
15		E1-5P	120" X 30"	---	---	25.0	---	---	---	---	---	---	---	---	MOUNT ABOVE SIGN 14
16	IH 43 SB, N. OF COOPERSTOWN RD	E8-1	192" X 84"	1	2	112.0	2-W10X22	2.0	302	17	1,104	18.0		20.0	
PROJECT TOTALS				**12**	**24**	**1439.0**		**26.8**	**3634**	**223**	**14092**				

*THESE QUANTITIES ARE ESTIMATES.
ACTUAL SIZE/NUMBER/LENGTH/WEIGHT OF STEEL SUPPORTS/REINFORCEMENT/CONCRETE BASES
ARE TO BE DETERMINED BY CONTRACTOR, BASED ON SURVEY OF FIELD CONDITIONS, FINAL GRADE AND SIGN LOCATION.
SURVEY REQUIRED FOR DETERMINATION IS THE RESPONSIBILITY OF THE CONTRACTOR, INCIDENTAL TO THE CONTRACT.
FOLLOW SIGN DETAIL A-PLATES - A3-1, A3-2, A3-3, A4-1

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:15 PM

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STH 147 INTERCHANGE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 19 DAYS	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 SIGNS COVERING TYPE II EACH	REMARKS
1	I-43, N. OF STH 96, PLACE 2250' N. OF STH 96 INTERCHANGE IN MEDIAN	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	W 20-2A	48"X48"	1	19	19					
2	I-43, N. OF STH 96, PLACE 2250' N. OF STH 96 INTERCHANGE ON RIGHT SHOULDER	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	W 20-2A	48"X48"	1	19	19					
3	I-43, N. OF STH 96, PLACE 1500' N. OF STH 96 INTERCHANGE ON RIGHT SHOULDER	FMS	126"X54"	1			47.25				SEE SIGN DETAIL SHEET
4	I-43, N. OF STH 96, PLACE 1500' N. OF STH 96 INTERCHANGE IN MEDIAN	FMS	126"X54"	1			47.25				SEE SIGN DETAIL SHEET
5	I-43, N. OF STH 96, PLACE 750' N. OF STH 96 INTERCHANGE ON RIGHT SHOULDER	MO 4-8	36"X18"	1	19	19					
	"	M 1-6	36"X18"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	MO 5-2R	30"X30"	1	19	19					
6	I-43, N. OF STH 96, PLACE 750' N. OF STH 96 INTERCHANGE IN MEDIAN	MO 4-8	36"X18"	1	19	19					
	"	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	MO 5-2R	30"X30"	1	19	19					
7	I-43, AT STH 96 EXIT, PLACE LEFT OF EXISTING TYPE I GROUND SIGN	MO 4-8	36"X18"	1	19	19					
	"	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	MO 6-2	30"X30"	1	19	19					TILT RIGHT
8	I-43 OFF-RAMP TO STH 96, PLACE 750' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 5-1L	21"X21"	1	19	19					
9	I-43 OFF-RAMP TO STH 96, PLACE LEFT OF EXISTING R1-1 SIGN AT RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					LEFT
10	STH 96, BETWEEN I-43 RAMPS, PLACE 100' W. OF I-43 NB RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					AHEAD
11	CTH KB, AT CTH R, PLACE 100' PRIOR TO CTH R INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					RIGHT
12	CTH R, AT CTH KB, PLACE 100' PRIOR TO CTH KB INTERSECTION	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					LEFT
13	CTH R, N. OF CTH T, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 6-1	21"X21"	1	19	19					AHEAD
14	CTH R, N. OF CTH T, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	19	19					
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					RIGHT
	PAGE SUBTOTALS			45		817	94.5	0		0	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:15 PM

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STH 147 INTERCHANGE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 19 DAYS	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 SIGNS COVERING TYPE II EACH	REMARKS
15	CTH R, S. OF CTH T, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					AHEAD
16	CTH T, AT CTH R, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					LEFT
17	CTH R, N. OF CTH BB, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 6-1	21"X21"	1	19	19					AHEAD
18	CTH R, S. OF CTH BB, PLACE RIGHT OF EXISTING J13-1 SIGN	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					AHEAD
19	CTH R, N. OF STH 147, MODIFY EXISTING J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	19	19					
20	I-43 SB, N. OF STH 147, PLACE ON EXISTING TYPE I SIGN AS SHOWN	G 20-60	108"X24"	1	19	19					
21	I-43 SB, AT STH 147 EXIT, PLACE ON EXISTING TYPE I SIGN AS SHOWN	G 20-60	108"X24"	1	19	19					
22	CTH T, N. OF CTH Z, MODIFY EXISTING J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	19	19					
23	CTH Z, W. OF CTH T, PLACE 750' W. OF CTH T INTERSECTION	M 1-1	24"X24"	1	19	19					43
	"	W 20-2A	48"X48"	1	19	19					
24	CTH Z, AT CTH T, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-5	24"X12"	1	19	19					
	"	M 3-1	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					LEFT
25	CTH Z, AT CTH T, PLACE RIGHT OF SIGN #24	MO 4-5	24"X12"	1	19	19					
	"	M 3-3	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					RIGHT
26	CTH T, AT CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					LEFT
27	CTH K, AT CTH T, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-8	24"X12"	1	19	19					
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					RIGHT
28	CTH K, E. OF CTH T, PLACE 500' E. OF CTH CTH T INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 5-1R	21"X21"	1	19	19					
29	CTH K, BETWEEN I-43 RAMPS, PLACE 100' E. OF I-43 SB RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					AHEAD
30	CTH K, E. OF I-43 NB RAMP, PLACE 100' E. OF I-43 NB RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					AHEAD
31	I-43 OFF-RAMP TO CTH K, PLACE LEFT OF EXISTING R1-1 SIGN AT RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-5A	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					LEFT
32	I-43 OFF-RAMP TO CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN AT RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 6-1	21"X21"	1	19	19					RIGHT
	PAGE SUBTOTALS			47		893	0	0		0	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:16 PM

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STH 147 INTERCHANGE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 19 DAYS	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 SIGNS COVERING TYPE II EACH	REMARKS
33	I-43 OFF-RAMP TO CTH K, PLACE 750' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 5-1R	21"X21"	1	19	19					
34	I-43, AT CTH K EXIT, PLACE LEFT OF EXISTING TYPE I GROUND SIGN	MO 4-8	36"X18"	1	19	19					
	"	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	MO 6-2	30"X30"	1	19	19					TILT RIGHT
35	I-43, S. OF CTH K, PLACE 750' S. OF CTH K INTERCHANGE IN MEDIAN	MO 4-8	36"X18"	1	19	19					
	"	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	MO 5-2R	30"X30"	1	19	19					
36	I-43, S. OF CTH K, PLACE 750' S. OF CTH K INTERCHANGE ON RIGHT SHOULDER	MO 4-8	36"X18"	1	19	19					
	"	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	MO 5-2R	30"X30"	1	19	19					
37	I-43, S. OF CTH K, PLACE 1500' S. OF CTH K INTERCHANGE IN MEDIAN	FMS	126"X54"	1			47.25				SEE SIGN DETAIL SHEET
38	I-43, S. OF CTH K, PLACE 1500' S. OF CTH K INTERCHANGE ON RIGHT SHOULDER	FMS	126"X54"	1			47.25				SEE SIGN DETAIL SHEET
39	I-43, S. OF CTH K, PLACE 2250' S. OF CTH K INTERCHANGE IN MEDIAN	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	W 20-2A	48"X48"	1	19	19					
40	I-43, S. OF CTH K, PLACE 2250' S. OF CTH K INTERCHANGE ON RIGHT SHOULDER	M 1-6	36"X36"	1	19	19					147
	"	M 1-5A	36"X36"	1	19	19					Z
	"	W 20-2A	48"X48"	1	19	19					
41	CTH K, W. OF CTH R, PLACE 500' W. OF CTH R INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 5-1L	21"X21"	1	19	19					
42	CTH K, AT CTH R, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH R INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 6-1	21"X21"	1	19	19					LEFT
43	CTH R, AT CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					RIGHT
44	CTH R, AT CTH K, PLACE RIGHT OF SIGN #43	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					Z
	"	MO 6-1	21"X21"	1	19	19					RIGHT
45	CTH R, S. OF CTH Y, PLACE 250' S. OF CTH Y INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 1-6	24"X24"	1	19	19					147
	"	MO 6-1	21"X21"	1	19	19					AHEAD
46	CTH R, N. OF CTH Y, PLACE 250' N. OF CTH Y INTERSECTION	MO 4-5	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					AHEAD
47	I-43 NB, S. OF STH 147, PLACE ON EXISTING TYPE I SIGN AS SHOWN	G 20-60	108"X24"	1	19	19					
48	I-43 NB, AT STH 147, PLACE ON EXISTING TYPE I SIGN AS SHOWN	G 20-60	108"X24"	1	19	19					
49	CTH R, S. OF STH 147, MODIFY EXISTING J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	19	19					
50	CTH R, AT STH 147, MODIFY AND COVER AS SHOWN	MO 6-1	21"X21"	1	19	19			1	1	AHEAD, COVER "WEST Z LT"
	PAGE SUBTOTALS			45		817	94.5	0		1	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:16 PM

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STH 147 INTERCHANGE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 19 DAYS	643.0900 SIGNS DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 SIGNS COVERING TYPE II EACH	REMARKS
51	STH 147, E. OF CTH R, PLACE 1000' E. OF CTH R INTERSECTION	M 1-1	24"X24"	1	19	19					43
	"	W 20-2A	48"X48"	1	19	19					
52	STH 147, E. OF CTH R, PLACE RIGHT OF SIGN #53	MO 4-8	24"X12"	1	19	19					
	"	M 3-1	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 5-1R	21"X21"	1	19	19					
53	STH 147, E. OF CTH R, PLACE 500' E. OF CTH R INTERSECTION	MO 4-8	24"X12"	1	19	19					
	"	M 3-3	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 5-1L	21"X21"	1	19	19					
54	STH 147, AT CTH R, PLACE RIGHT OF SIGN #55	MO 4-8	24"X12"	1	19	19					
	"	M 3-1	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					RIGHT
55	STH 147, AT CTH R, PLACE RIGHT OF EXISTING J13-2 SIGN	MO 4-8	24"X12"	1	19	19					
	"	M 3-3	24"X12"	1	19	19					
	"	M 1-1	24"X24"	1	19	19					43
	"	MO 6-1	21"X21"	1	19	19					LEFT
56	CTH R, AT STH 147, MODIFY EXISTING J3-3 SIGN AS SHOWN	MO 6-1	21"X21"	1	19	19					AHEAD
	"	MO 6-1	21"X21"	1	19	19					AHEAD
57	STH 147, BETWEEN I-43 NB RAMP AND CTH R, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1				7			PLACE IN ADVANCE OF CLOSURE
58	I-43 NB OFF-RAMP TO STH 147, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1				7			PLACE IN ADVANCE OF CLOSURE
59	CTH Z, W. OF I-43 SB RAMP, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1				7			PLACE IN ADVANCE OF CLOSURE
60	I-43 SB OFF-RAMP TO STH 147, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1				7			PLACE IN ADVANCE OF CLOSURE
	PAGE SUBTOTALS			24		380	0	28		0	
	STH 147 INTERCHANGE CLOSURE TOTALS			**161**		**2,907**	**189**	**28**		**1**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:16 PM

TRAFFIC CONTROL DETOUR SIGN SUMMARY - B-05-0239 STRUCTURE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 30 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	I-43, N. OF US 141/CTH MM EXIT, PLACE 1/2 MILE N. OF EXIT RAMP TO 141/MM	M 1-5A	36"X36"	1	30	30								KB
	"	W 20-2A	48"X48"	1	30	30								
2	I-43, N. OF US 141/CTH MM EXIT, PLACE 1/4 MILE N. OF EXIT RAMP TO 141/MM	FMS	120"X54"	1					45					SEE SIGN DETAIL SHEET
3	I-43, N. OF US 141/CTH MM EXIT, PLACE 750' N. OF EXIT RAMP TO 141/MM	MO 4-8	36"X18"	1	30	30								
	"	M 3-2	36"X18"	1	30	30								
	"	M 1-5A	36"X36"	1	30	30								KB
	"	MO 5-2R	30"X30"	1	30	30								
4	I-43, N. OF US 141/CTH MM EXIT, PLACE LEFT OF EXISTING TYPE I SIGN AT EXIT RAMP TO 141/MM	MO 4-8	36"X18"	1	30	30								
	"	M 3-2	36"X18"	1	30	30								
	"	M 1-5A	36"X36"	1	30	30								KB
	"	MO 6-2	30"X30"	1	30	30								TILT RIGHT
5	I-43 OFF-RAMP TO 141/MM, PLACE 150' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	30	30								
	"	M 3-2	24"X12"	1	30	30								
	"	M 1-5A	24"X24"	1	30	30								KB
	"	MO 6-1	21"X21"	1	30	30								LEFT
6	US 141/CTH MM, AT I-43 SB INTERSECTION, PLACE ACROSS FROM J3-1 SIGN	MO 4-8	24"X12"	1	30	30								
	"	M 3-4	24"X12"	1	30	30								
	"	M 1-6	24"X24"	1	30	30								96
	"	MO 6-1	21"X21"	1	30	30								LEFT
7	US 141/CTH MM, AT CTH R INTERSECTION, PLACE RIGHT OF EXISTING J3-3 SIGN	MO 4-8	24"X12"	1	30	30								
	"	M 3-2	24"X12"	1	30	30								
	"	M 1-5A	24"X24"	1	30	30								KB
	"	MO 6-1	21"X21"	1	30	30								RIGHT
8	I-43 OFF-RAMP TO 141/MM, PLACE 150' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	30	30								
	"	M 3-4	24"X12"	1	30	30								
	"	M 1-6	24"X24"	1	30	30								96
	"	MO 6-1	21"X21"	1	30	30								LEFT
9	I-43 OFF-RAMP TO 141/MM, PLACE 750' PRIOR TO RAMP INTERSECTION	MO 4-8	24"X12"	1	30	30								
	"	M 3-4	24"X12"	1	30	30								
	"	M 1-6	24"X24"	1	30	30								96
	"	MO 5-1L	21"X21"	1	30	30								
10	I-43, S. OF US 141/CTH MM, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
11	I-43, S. OF US 141/CTH MM EXIT, PLACE LEFT OF EXISTING TYPE I SIGN AT EXIT RAMP TO 141/MM	MO 4-8	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	MO 6-2	30"X30"	1	30	30								TILT RIGHT
12	I-43, N. OF US 141/CTH MM EXIT, PLACE 750' N. OF EXIT RAMP TO 141/MM IN MEDIAN	MO 4-8	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	MO 5-2R	30"X30"	1	30	30								
13	I-43, N. OF US 141/CTH MM EXIT, PLACE 750' N. OF EXIT RAMP TO 141/MM ON RIGHT SHOULDER	MO 4-8	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	MO 5-2R	30"X30"	1	30	30								
	PAGE SUBTOTALS			46		1,350	0	0	45	0		0	0	

PRELIMINARY PLANS NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:16 PM

TRAFFIC CONTROL DETOUR SIGN SUMMARY - B-05-0239 STRUCTURE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 30 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
14	CTH R, AT CTH NN, PLACE 150' N. OF CTH NN INTERSECTION	MO 4-8	24"X12"	1	30	30								
	"	M 3-2	24"X12"	1	30	30								
	"	M 1-5A	24"X24"	1	30	30								KB
	"	MO 6-1	21"X21"	1	30	30								AHEAD
15	CTH R, AT CTH NN, PLACE LEFT OF EXISTING J3-2 SIGN ACROSS FROM INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-1	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								LEFT
16	CTH NN, S. OF CTH R, PLACE 500' PRIOR TO CTH R INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-1	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 5-1L	21"X21"	1	30	30								
17	STH 96, W. OF CTH NN, PLACE 1/4 MILE W. OF CTH NN INTERSECTION	W 20-2A	48"X48"	1	30	30								
18	STH 96, W. OF CTH NN, PLACE 850' W. OF CTH NN INTERSECTION	FMS	66"X36"	1					16.5					
19	STH 96, W. OF CTH NN, PLACE 500' W. OF CTH NN INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-1	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 5-1L	21"X21"	1	30	30								
19A	STH 96, AT CTH NN, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH NN INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-1	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								LEFT
19B	STH 96, AT CTH NN, PLACE IN SE QUADRANT OF CTH NN INTERSECTION	R 11-3C	60"X24"	2	30	60	60	120						2 1/4 MILES AHEAD
19C	CTH NN, AT CTH X, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH X INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-1	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								AHEAD
20	I-43, N. OF STH 96, COVER EXISTING TYPE I SIGN AS SHOWN										1	1		COVER SIGN AS SHOWN
21	I-43, N. OF STH 96, PLACE LEFT OF EXISTING TYPE I SIGN FOR SIGN #20	M 4-8A	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
22	CTH R, N. OF CTH KB, PLACE 1000' N. OF CTH KB INTERSECTION	M 4-8A	24"X18"	1	30	30								
	"	M 3-2	24"X12"	1	30	30								
	"	M 1-5A	24"X24"	1	30	30								KB
23	I-43, AT STH 96, COVER EXISTING TYPE I SIGN AT EXIT RAMP TO STH 96										1	1		COVER SIGN AS SHOWN
24	I-43 OFF-RAMP TO STH 96, COVER EXISTING D1-3 SIGN AS SHOWN										1		1	COVER SIGN AS SHOWN
25	I-43 OFF-RAMP TO STH 96, COVER EXISTING J3-2 SIGN AS SHOWN										1		1	COVER SIGN AS SHOWN
26	STH 96, BETWEEN I-43 RAMP INTERSECTIONS, FIELD DETERMINE LOCATION	PCMS		1						7				PLACE IN ADVANCE OF CLOSURE
27	STH 96, BETWEEN I-43 RAMP INTERSECTIONS, FIELD DETERMINE LOCATION	PCMS		1						7				PLACE IN ADVANCE OF CLOSURE
28	I-43, AT STH 96, COVER EXISTING TYPE I SIGN AT EXIT RAMP TO STH 96										1	1		COVER SIGN AS SHOWN
29	I-43 OFF-RAMP TO STH 96, COVER EXISTING D1-3 SIGN AS SHOWN										1		1	COVER SIGN AS SHOWN
30	I-43 OFF-RAMP TO STH 96, COVER EXISTING J3-2 SIGN AS SHOWN										1		1	COVER SIGN AS SHOWN
31	CTH KB, AT I-43 NB RAMP, PLACE 150' E. OF I-43 NB RAMP INTERSECTION	MO 4-8	24"X12"	1	30	30								
	"	M 3-4	24"X12"	1	30	30								
	"	M 1-6	24"X24"	1	30	30								96
	"	MO 6-1	21"X21"	1	30	30								RIGHT
32	I-43 ON-RAMP FROM STH 96, PLACE 250' N. OF STH 96 RAMP INTERSECTION	MO 4-8	24"X12"	1	30	30								
	"	M 3-4	24"X12"	1	30	30								
	"	M 1-6	24"X24"	1	30	30								96
	PAGE SUBTOTALS			43		1,200	60	120	16.5	14		3	4	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:17 PM

3

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY - B-05-0239 STRUCTURE CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 30 DAYS	643.0900 SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
33	CTH KB, E. OF I-43 NB RAMP, MODIFY EXISTING J2-3 SIGN AS SHOWN	M 4-5	24"X12"	1	30	30								
	"	M 5-1R	21"X21"	1	30	30								
	"	MO 4-8	24"X12"	1	30	30								
	"	MO 5-1R	21"X21"	1	30	30								
34	CTH R, AT CTH KB, PLACE 150' N. OF CTH KB INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-3	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								AHEAD
34A	CTH KB, AT CTH R, PLACE ON RIGHT SHOULDER IN NW QUADRANT OF CTH R INTERSECTION	R 11-3C	60"X24"	1	30	30	30	60						1/2 MILE AHEAD
35	CTH KB, AT CTH R, PLACE 150' E. OF CTH R INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-3	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								LEFT
36	I-43, S. OF STH 96, PLACE 1/4 MILE S. OF STH 96 EXIT RAMP IN MEDIAN	MO 4-8	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	MO 6-1	30"X30"	1	30	30								AHEAD
37	I-43, S. OF STH 96, PLACE 1/4 MILE S. OF STH 96 EXIT RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	30	30								
	"	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	MO 6-1	30"X30"	1	30	30								AHEAD
38	I-43, S. OF STH 96, PLACE 1/2 MILE S. OF STH 96 EXIT RAMP IN MEDIAN	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	W 20-2A	48"X48"	1	30	30								
39	I-43, S. OF STH 96, PLACE 1/2 MILE S. OF STH 96 EXIT RAMP ON RIGHT SHOULDER	M 3-4	36"X18"	1	30	30								
	"	M 1-6	36"X36"	1	30	30								96
	"	W 20-2A	48"X48"	1	30	30								
40	I-43, S. OF STH 96, COVER EXISTING TYPE I SIGN AS SHOWN										1	1		COVER SIGN AS SHOWN
41	CTH R, N. OF CTH T, PLACE 150' N. OF CTH T INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-3	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								AHEAD
42	CTH R, N. OF STH 147, PLACE 150' N. OF STH 147 INTERSECTION	M 4-5	24"X12"	1	30	30								
	"	M 3-3	24"X12"	1	30	30								
	"	M 1-1	24"X24"	1	30	30								43
	"	M 6-1	21"X21"	1	30	30								AHEAD
PAGE SUBTOTALS				35		1,050	30	60	0	0		1	0	
PROJECT TOTALS				**124**		***3600**	***90**	***180**	**61.5**	***14**		***4**	***4**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

PRELIMINARY PLANS NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:17 PM

TRAFFIC CONTROL SUMMARY

CATEGORY	LOCATION	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONROL SIGNS EACH	643.0900 TRAFFIC CONROL SIGNS DAY	6543.1050 TRAFFIC CONTROL SIGNS PCMS EACH	6543.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM EACH	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM DAY	REMARKS
0010	HIDDEN VALLEY RD	8	28	224	-	-	-	-	-	-	-	-	11	88	-	-	-	-	BEAMGUARD
0010	ZANDER RD	12	38	456	-	-	-	-	-	-	-	-	11	132	-	-	-	-	BEAMGUARD
0010	CTH T	5	38	190	-	-	-	-	-	-	-	-	11	55	-	-	-	-	BEAMGUARD
0010	COOPERSTOWN RD	8	38	304	-	-	-	-	-	-	-	-	11	88	-	-	-	-	BEAMGUARD
0010	STH 147 SW RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	STH 147 NE RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	STH 147 SE RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	STH 147 NW RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	STH 147 SW RAMP	19	-	-	4	76	8	152	-	-	-	-	1	19	-	-	-	-	RAMP CLOSURE
0010	STH 147 NE RAMP	19	-	-	4	76	8	152	-	-	-	-	1	19	-	-	-	-	RAMP CLOSURE
0010	STH 147 SE RAMP	19	-	-	4	76	8	152	-	-	-	-	1	19	-	-	-	-	RAMP CLOSURE
0010	STH 147 NW RAMP	19	-	-	4	76	8	152	-	-	-	-	1	19	-	-	-	-	RAMP CLOSURE
0010	STH 96 (B-05-0239)	30	-	-	8	240	16	480	-	-	-	-	2	60	-	-	-	-	ROAD CLOSURE
0010	IH 43 NB MAINLINE	94	490	46,060	33	3,102	66	6,204	17	1,598	2	188	52	4,888	-	-	1	94	LANE CLOSURE
0010	IH 43 SB MAINLINE	94	490	46,060	33	3,102	66	6,204	17	1,598	2	188	52	4,888	1	7	1	94	LANE CLOSURE
	PROJECT SUBTOTAL		**101,566**		**7,500**		**15,000**		**9,212**		**376**		**12,531**		**7**		**188**		
	PROJECT TOTAL		**101,566**		***7,590**		***15,180**		**9,212**		**376**		***19,038**		**7**		**188**		

*** ADDITIONAL QUANTITY SHOWN ELSEWHERE**

TEMPORARY PAVEMENT MARKING

CATEGORY	ROADWAY	STATION	TO	STATION	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE 4' SKIPS LF	WHITE SOLID LF	YELLOW SOLID LF	REMARKS
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	3,054	-	-	CENTERLINE SKIPS ON LOWER LAYER
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	3,046	-	-	CENTERLINE SKIPS ON LOWER LAYER
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	3,054	44,817	40,910	SKIPS AND EDGELINES ON UPPER LAYER
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	3,046	44,420	40,786	SKIPS AND EDGELINES ON UPPER LAYER
				PROJECT TOTAL		**183,133**		

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:17 PM

3

PAVEMENT MARKING SUMMARY

CATEGORY	ROADWAY	STATION	TO	STATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE SOLID LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE SOLID LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH YELLOW SOLID LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH WHITE 12.5' LINE, 37.5' GAP LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE SOLID LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH WHITE SOLID LF	646.5420 MARKING AERIAL ENFORCEMENT BAR EPOXY WHITE SOLID EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW SOLID LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	REMARKS
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	-	-	34,418	38,161	9,544	-	-	-	-	-	-	-	MAINLINE
0010	IH 43 NB	1860'NB'+83	-	1867'NB'+57	-	-	675	202	-	-	579	-	-	-	-	-	WAYSIDE RAMP & GORE
0010	IH 43 NB	1894'NB'+07	-	1909'NB'+90	-	-	1,587	165	-	-	1,301	-	-	-	-	-	WAYSIDE RAMP & GORE
0010	IH 43 NB	1947'NB'+82	-	1947'NB'+82	-	-	-	-	-	-	-	2	-	-	-	-	
0010	IH 43 NB	1954'NB'+42	-	1954'NB'+42	-	-	-	-	-	-	-	2	-	-	-	-	
0010	IH 43 NB	1961'NB'+02	-	1961'NB'+02	-	-	-	-	-	-	-	2	-	-	-	-	
0010	IH 43 NB	1967'NB'+61	-	1967'NB'+61	-	-	-	-	-	-	-	2	-	-	-	-	
0010	IH 43 NB	1974'NB'+20	-	1974'NB'+20	-	-	-	-	-	-	-	2	-	-	-	-	
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	-	-	34,480	38,096	9,520	-	-	-	-	-	-	-	MAINLINE
0010	IH 43 SB	1851'SB'+05	-	1864'SB'+75	-	-	1,362	134	-	-	1,259	-	-	-	-	-	WAYSIDE RAMP & GORE
0010	IH 43 SB	1890'SB'+41	-	1896'SB'+90	-	-	656	150	-	-	600	-	-	-	-	-	WAYSIDE RAMP & GORE
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	744	744	-	-	-	-	-	-	-	-	-	-	
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	561	-	-	-	-	81	-	-	-	-	-	-	
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	629	338	-	-	-	-	-	-	-	-	-	-	
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	1,083	1,093	-	-	-	-	-	-	-	-	-	-	
0170	STH 147 WB	11'WB'+02	-	11'WB'+02	-	-	-	-	-	-	-	-	-	-	-	1	
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	560	-	-	-	-	97	-	-	-	-	-	-	
0010	STH 147 WB	15'WB'+87	-	16'WB'+51	-	148	-	-	-	-	-	-	-	74	-	1	
0010	STH 147 WB	17'WB'+27	-	17'WB'+39	-	-	-	-	-	-	-	-	-	-	10	1	
0010	STH 147 WB	22'WB'+01	-	22'WB'+13	-	-	-	-	-	-	-	-	-	-	10	1	
0010	STH 147 WB	22'WB'+74	-	23'WB'+14	-	-	-	-	-	-	-	-	-	-	47	1	
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	1,084	751	-	-	-	-	-	-	-	-	-	-	
0180	STH 147 WB	25'WB'+73	-	25'WB'+85	-	-	-	-	-	-	-	-	-	-	30	-	
0180	STH 147 WB	26'WB'+51	-	26'WB'+62	-	-	-	-	-	-	-	-	-	-	30	-	
0180	STH 147 WB	28'WB'+32	-	29'WB'+75	-	-	-	-	-	-	-	-	-	70	-	1	
0010	STH 147 SE RAMP	10'ZSE'+00	-	26'ZSE'+11	-	-	1,767	1,283	-	-	598	-	40	-	22	-	RAMP & GORE
0010	STH 147 SW RAMP	10'ZSW'+00	-	25'ZSW'+18	-	-	2,469	1,124	-	-	1,202	-	-	115	-	-	RAMP & GORE
0010	STH 147 NE RAMP	10'ZNE'+00	-	24'ZNE'+07	-	-	2,487	1,099	-	-	1,405	-	-	115	-	-	RAMP & GORE
0010	STH 147 NW RAMP	10'ZNW'+00	-	22'ZNW'+22	-	-	1,780	1,282	-	-	612	-	40	-	22	-	RAMP & GORE
0010	STH 96	12'NS'+89	-	16'NS'+27	668	668	-	-	-	-	-	-	-	-	-	-	B-05-0239
		PROJECT TOTAL			**9,071**		**163,377**		**19,064**	**178**	**7,556**	**10**	**80**	**374**	**171**	**6**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:17 PM

3

CONSTRUCTION STAKING

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	REMARKS
0010	IH 43 NB	1606'NB'+74	-	1988'NB'+34	LT/RT	-	38,161	
0010	IH 43 NB	1804'NB'+77	-	1804'NB'+77	LT	1	-	
0010	IH 43 NB	1804'NB'+77	-	1805'NB'+41	LT	1	-	
0010	IH 43 NB	1862'NB'+66	-	1867'NB'+57	LT/RT	-	492	SE WAYSIDE RAMP
0010	IH 43 NB	1894'NB'+05	-	1902'NB'+14	LT/RT	-	815	NE WAYSIDE RAMP
0010	IH 43 NB	1940'NB'+85	-	1940'NB'+85	LT	1	-	
0010	IH 43 NB	1940'NB'+85	-	1941'NB'+25	LT	1	-	
0010	IH 43 SB	1607'SB'+42	-	1988'SB'+34	LT/RT	-	38,096	
0010	IH 43 SB	1857'SB'+10	-	1864'SB'+75	LT/RT	-	764	SW WAYSIDE RAMP
0010	IH 43 SB	1890'SB'+39	-	1894'SB'+84	LT/RT	-	450	NW WAYSIDE RAMP
0170	STH 147 EB	50'EB'+00	-	57'EB'+44	RT	-	744	
0010	STH 147 EB	57'EB'+44	-	64'EB'+72	LT/RT	-	728	
0180	STH 147 EB	64'EB'+72	-	71'EB'+38	RT	-	666	
0170	STH 147 WB	6'WB'+73	-	15'WB'+87	LT	-	914	
0010	STH 147 WB	15'WB'+87	-	23'WB'+14	LT/RT	-	727	
0180	STH 147 WB	23'WB'+14	-	31'WB'+90	LT	-	876	
0010	STH 147 SE RAMP	10'ZSE'+00	-	26'ZSE'+11	LT/RT	-	1,582	
0010	STH 147 SW RAMP	10'ZSW'+00	-	25'ZSW'+18	LT/RT	-	1,725	
0010	STH 147 NE RAMP	10'ZNE'+00	-	24'ZNE'+07	LT/RT	-	1,802	
0010	STH 147 NW RAMP	10'ZNW'+00	-	22'ZNW'+22	LT/RT	-	1,588	
				PROJECT TOTAL		**4**	**90,130**	

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	LOCATION	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS
0010	1227-12-72	1
	PROJECT TOTAL	**1**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:17 PM

3

SAWING PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	IH 43 SB	1721'SB'+02	-	1721'SB'+46	RT	-	47
0010	IH 43 SB	1749'SB'+95	-	1750'SB'+40	LT	-	47
0010	IH 43 SB	1750'SB'+25	-	1750'SB'+40	RT	-	16
0010	IH 43 SB	1750'SB'+49	-	1750'SB'+51	LT/RT	40	-
0010	IH 43 SB	1751'SB'+66	-	1751'SB'+68	LT/RT	40	-
0010	IH 43 SB	1855'SB'+17	-	1855'SB'+32	LT	-	16
0010	IH 43 SB	1855'SB'+48	-	1855'SB'+50	LT/RT	51	-
0010	IH 43 SB	1856'SB'+72	-	1856'SB'+74	LT/RT	54	-
0010	IH 43 SB	1864'SB'+73	-	1864'SB'+75	LT	27	-
0010	IH 43 SB	1890'SB'+40	-	1890'SB'+42	LT	27	-
0010	IH 43 SB	1900'SB'+29	-	1900'SB'+74	RT	-	47
0010	IH 43 SB	1900'SB'+81	-	1900'SB'+96	RT	-	16
0010	IH 43 SB	1901'SB'+08	-	1901'SB'+10	LT/RT	51	-
0010	IH 43 SB	1903'SB'+01	-	1903'SB'+03	LT/RT	50	-
0010	IH 43 SB	1909'SB'+87	-	1909'SB'+89	LT/RT	44	-
0010	IH 43 SB	1911'SB'+20	-	1911'SB'+22	LT/RT	44	-
0010	IH 43 SB	1911'SB'+37	-	1911'SB'+82	RT	-	47
0010	IH 43 SB	1911'SB'+19	-	1911'SB'+64	LT	-	47
0010	IH 43 SB	1988'SB'+32	-	1988'SB'+34	LT/RT	-	-
0010	STH 147 EB	65'EB'+01	-	65'EB'+05	RT	-	4
0170	STH 147 WB	6'WB'+73	-	7'WB'+23	LT/RT	-	24
0010	STH 147 WB	16'WB'+73	-	16'WB'+73	LT	-	12
0180	STH 147 WB	31'WB'+41	-	31'WB'+91	LT/RT	-	24
0010	HIDDEN VALLEY RD	12'HV'+99	-	13'HV'+85	LT	88	-
0010	HIDDEN VALLEY RD	12'HV'+86	-	13'HV'+85	RT	100	-
0010	ZANDER RD	15'ZA'+11	-	15'ZA'+98	LT	87	-
0010	ZANDER RD	15'ZA'+44	-	16'ZA'+36	RT	93	-
0010	COOPERSTOWN RD	13'CO'+18	-	14'CO'+10	LT	93	-
0010	COOPERSTOWN RD	13'CO'+51	-	14'CO'+32	RT	81	-
				PROJECT SUBTOTAL		**970**	**347**
				PROJECT TOTAL		**1,820**	***59,271**

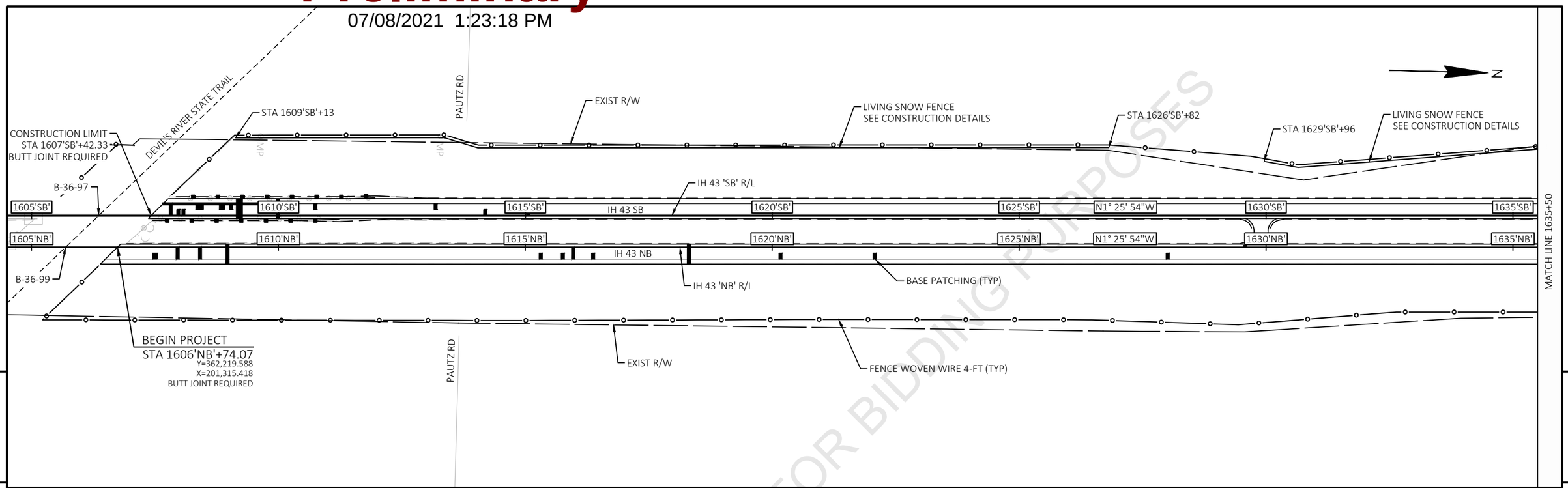
***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

PIPE UNDERDRAIN, FABRIC, AND AGGREGATE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	SPV.0090.02 PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE LF	REMARKS
0010	IH 43 NB	1642'NB'+86	-	1695'NB'+66	LT/RT	92	MILE 164 - MILE 165
0010	IH 43 NB	1695'NB'+66	-	1748'NB'+46	LT/RT	69	MILE 165 - MILE 166
0010	IH 43 NB	1748'NB'+46	-	1801'NB'+26	LT/RT	96	MILE 166 - MILE 167
0010	IH 43 NB	1854'NB'+06	-	1906'NB'+85	LT/RT	48	MILE 168 - MILE 169
0010	IH 43 NB	1906'NB'+85	-	1959'NB'+66	LT/RT	48	MILE 169 - MILE 170
0010	IH 43 SB	1607'SB'+42	-	1642'SB'+86	LT/RT	24	PROJECT LIMITS - MILE 164
0010	IH 43 SB	1642'SB'+86	-	1695'SB'+66	LT/RT	133	MILE 164 - MILE 165
0010	IH 43 SB	1695'SB'+66	-	1748'SB'+46	LT/RT	84	MILE 165 - MILE 166
0010	IH 43 SB	1748'SB'+46	-	1800'SB'+75	LT/RT	164	MILE 166 - MILE 167
0010	IH 43 SB	1800'SB'+75	-	1854'SB'+04	LT/RT	134	MILE 167 - MILE 168
0010	IH 43 SB	1854'SB'+04	-	1907'SB'+24	LT/RT	72	MILE 168 - MILE 169
0010	IH 43 SB	1907'SB'+24	-	1959'SB'+66	LT/RT	97	MILE 169 - MILE 170
					PROJECT TOTAL	**1,061**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary
07/08/2021 1:23:18 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET E

Preliminary

07/08/2021 1:23:18 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

STA 12'ZNW'+38
PC: 16+93.52'ZNW'
LIVING SNOW FENCE
SEE CONSTRUCTION DETAILS
STA 21'ZNW'+44
FENCE WOVE WIRE 4-FT (TYP)
EXIST R/W
LIVING SNOW FENCE
SEE CONSTRUCTION DETAILS
STA 1693'SB'+02
STH 147 NW RAMP
15'ZNW'
20'ZNW'
STH 147 NW RAMP 'ZNW' R/L
STH 147/CTH Z
15'ZEB
15'ZWB
STA 1666'SB'+99
BUTT JOINT REQUIRED
IH 43 'SB' R/L
BASE PATCHING (TYP)
1670'SB'
1675'SB'
1680'SB'
1685'SB'
IH 43 SB
1690'SB'
N1°25'54"W
1695'SB'
B-36-93
1670'NB'
1675'NB'
1680'NB'
1685'NB'
IH 43 NB
1690'NB'
N1°25'54"W
1695'NB'
MATCH LINE 1666+00
STA 1666'NB'+97
BUTT JOINT REQUIRED
IH 43 'NB' R/L
B-36-94
20'ZNE'
STH 147
15'ZNE'
EXIST R/W
STH 147 NE RAMP
STH 147 NE RAMP 'ZNE' R/L
PC: 20+15.24'ZNE'
20'ZEB
20'ZWB

CULVERT PIPE CLASS III-A NON-METAL 18-INCH (100 LF)
APRON ENDWALLS FOR CULVERT PIPE 18-INCH (2 EACH)
RIPRAP MEDIUM
PC: 1696+98.12'SB'
STA AHEAD = 1706+82.74'SB'
STA BACK = 1706+84.57'SB'
EQUATION
LIVING SNOW FENCE
SEE CONSTRUCTION DETAILS
EXIST R/W
SCHLEY RD
B-36-95
STA 1720'SB'+92
BUTT JOINT REQUIRED
LIVING SNOW FENCE
SEE CONSTRUCTION DETAILS
PT: 1706+82.74'SB'
CURVE 1 'SB'
BASE PATCHING (TYP)
STA 1718'SB'+69
IH 43 'SB' R/L
STA 1721'SB'+14
1700'SB'
1705'SB'
1710'SB'
N0°12'34"E
1715'SB'
IH 43 SB
1720'SB'
1725'SB'
MATCH LINE 1696+50
1700'NB'
1705'NB'
1710'NB'
N0°12'34"E
1715'NB'
IH 43 NB
1720'NB'
1725'NB'
CURVE 1 'NB'
IH 43 'NB' R/L
RIPRAP MEDIUM
MATCH LINE 1727+00
PC: 1696+98.11'NB'
FENCE WOVEN WIRE 4-FT (TYP)
PT: 1706+82.75'NB'
STA 1719'NB'+77
BUTT JOINT REQUIRED
CONCRETE SURFACE DRAIN AT
STRUCTURES WITHOUT BEAMGUARD
SEE CONSTRUCTION DETAIL
B-36-96
STA 1721'NB'+05
BUTT JOINT REQUIRED
EXIST R/W
SCHLEY RD
CULVERT PIPE CLASS III-A NON-METAL 18-INCH (60 LF)
APRON ENDWALLS FOR CULVERT PIPE 18-INCH (2 EACH)

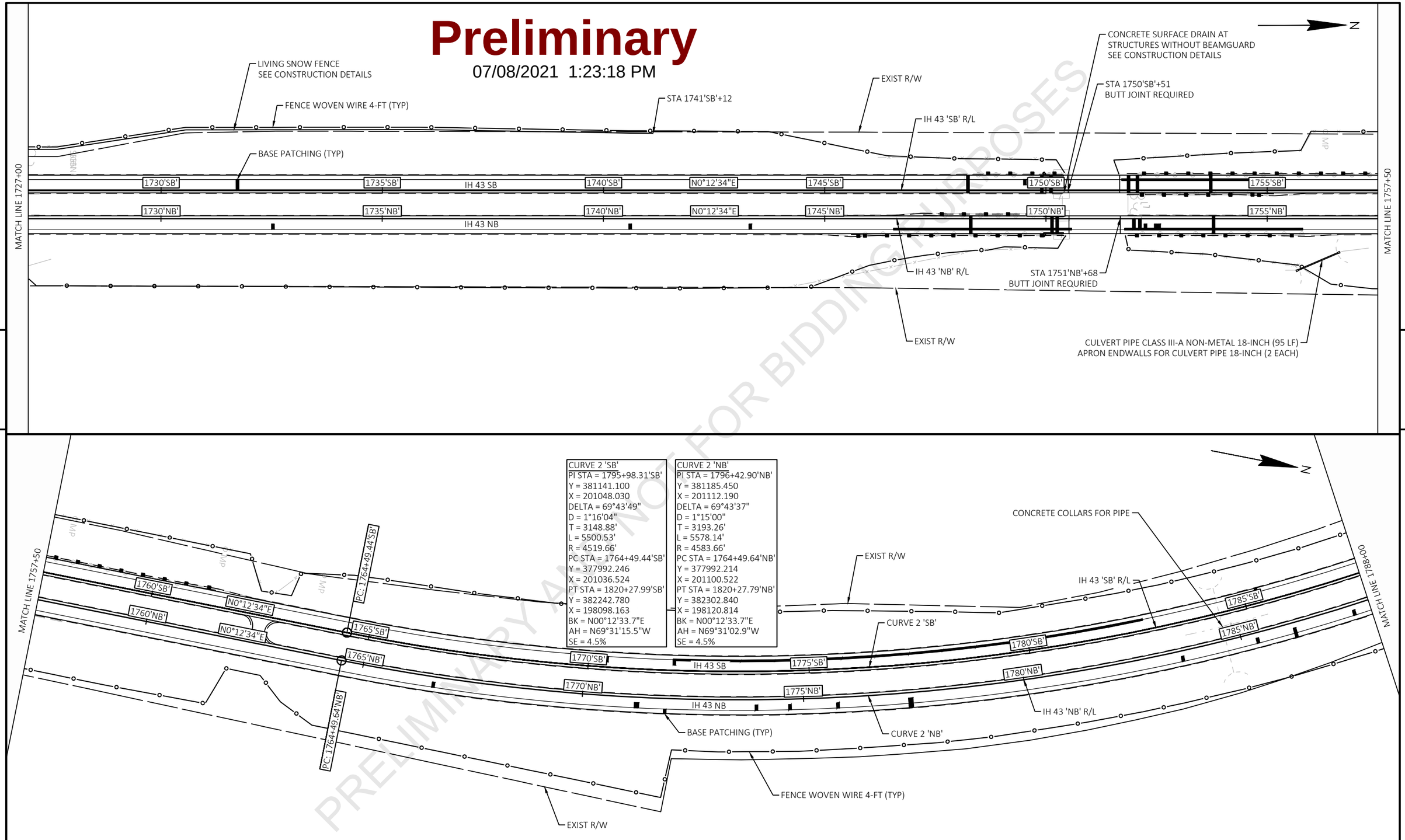
CURVE 1 'NB'
PI STA = 1701+90.46'NB'
Y = 371733.010
X = 201077.650
DELTA = 1°38'28"
D = 0°10'00"
T = 492.35'
L = 984.63'
R = 34377.47'
PC STA = 1696+98.11'NB'
Y = 371240.814
X = 201089.951
PT STA = 1706+82.75'NB'
Y = 372225.357
X = 201079.449
BK = N01°25'54.1"W
AH = N00°12'33.7"E
SE = NC

CURVE 1 'SB'
PI STA = 1701+91.38'SB'
Y = 371732.330
X = 201013.650
DELTA = 1°38'28"
D = 0°09'59"
T = 493.26'
L = 986.45'
R = 34441.47'
PC STA = 1696+98.12'SB'
Y = 371239.225
X = 201025.974
PT STA = 1706+82.74'SB'
Y = 372225.585
X = 201015.452
BK = N01°25'54.0"W
AH = N00°12'33.7"E
SE = NC

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\050201-PN.DWG
LAYOUT NAME - 050202-pn
PLOT DATE : 6/16/2021 8:29 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

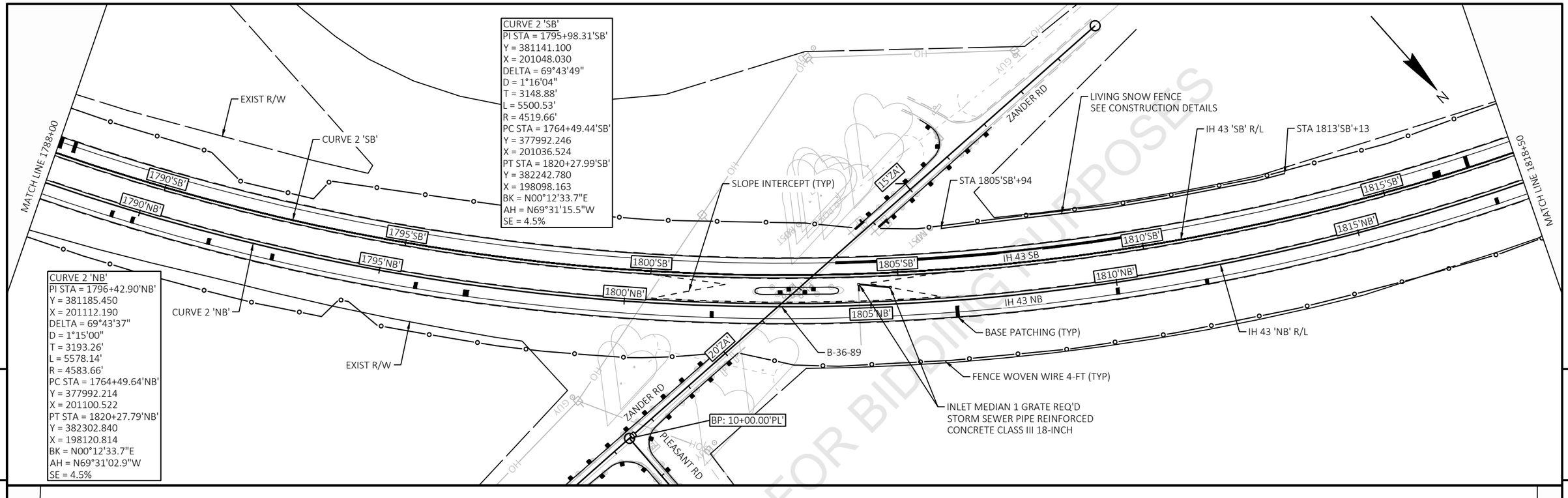
Preliminary
07/08/2021 1:23:18 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\050201-PN.DWG
LAYOUT NAME - 050203-pn
PLOT DATE : 6/16/2021 8:30 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



Preliminary

07/08/2021 1:23:18 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

5

5

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

CURVE 3 'SB'
PI STA = 1859+43.28'SB'
Y = 383612.600
X = 194430.320
DELTA = 11°06'43"
D = 0°40'00"
T = 836.03'
L = 1666.81'
R = 8594.37'
PC STA = 1851+07.25'SB'
Y = 383320.104
X = 195213.509
PT STA = 1867+74.06'SB'
Y = 383748.669
X = 193605.442
BK = N69°31'15.5"W
AH = N80°37'58.9"W
SE = 2.4%

CURVE 4 'NB'
PI STA = 1885+50.71'NB'
Y = 384585.350
X = 192010.280
DELTA = 6°51'49"
D = 0°20'00"
T = 1030.76'
L = 2059.05'
R = 17188.73'
PC STA = 1875+19.95'NB'
Y = 384224.666
X = 192975.871
PT STA = 1895+79.00'NB'
Y = 384828.057
X = 191008.506
BK = N69°31'02.9"W
AH = N76°22'51.5"W
SE = NC

CURVE 4 'SB'
PI STA = 1886+42.18'SB'
Y = 384052.720
X = 191762.230
DELTA = 15°03'13"
D = 0°40'00"
T = 1135.57'
L = 2258.05'
R = 8594.37'
PC STA = 1875+06.61'SB'
Y = 383867.898
X = 192882.655
PT STA = 1897+64.67'SB'
Y = 384522.201
X = 190728.257
BK = N80°37'58.9"W
AH = N65°34'45.6"W
SE = 2.5%

MATCH LINE 1849+00

MATCH LINE 1879+50

MATCH LINE 1879+50

MATCH LINE 1910+00

5

5

Preliminary

07/08/2021 1:23:18 PM

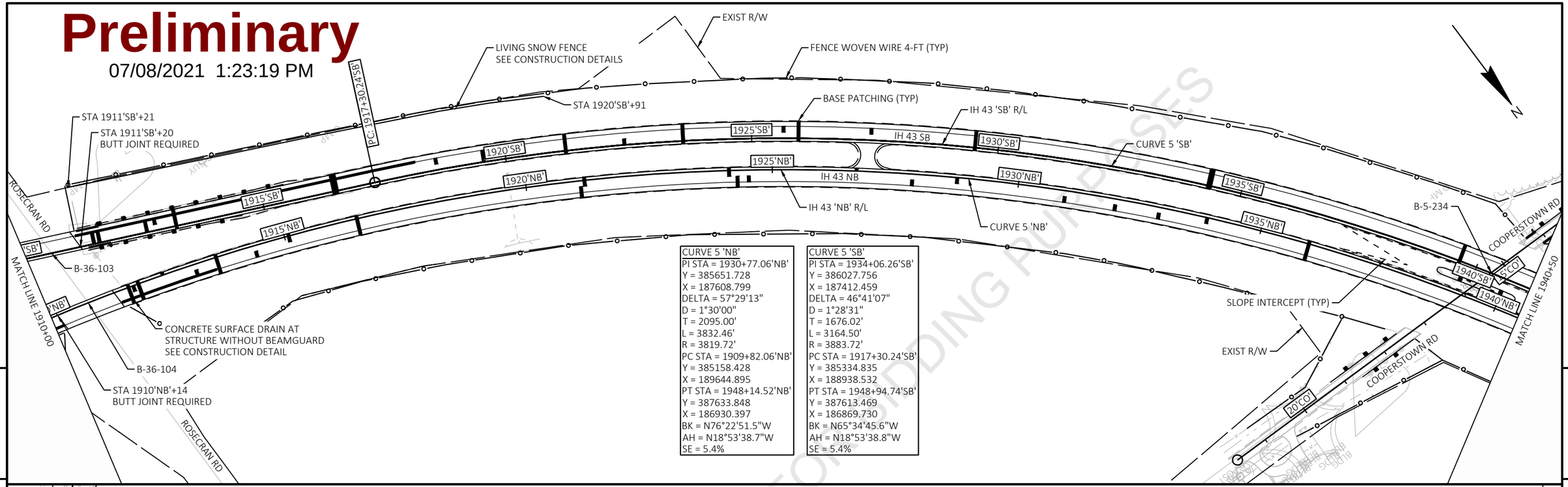
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\050201-PN.DWG
LAYOUT NAME - 050205-pn
PLOT DATE : 6/16/2021 8:32 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

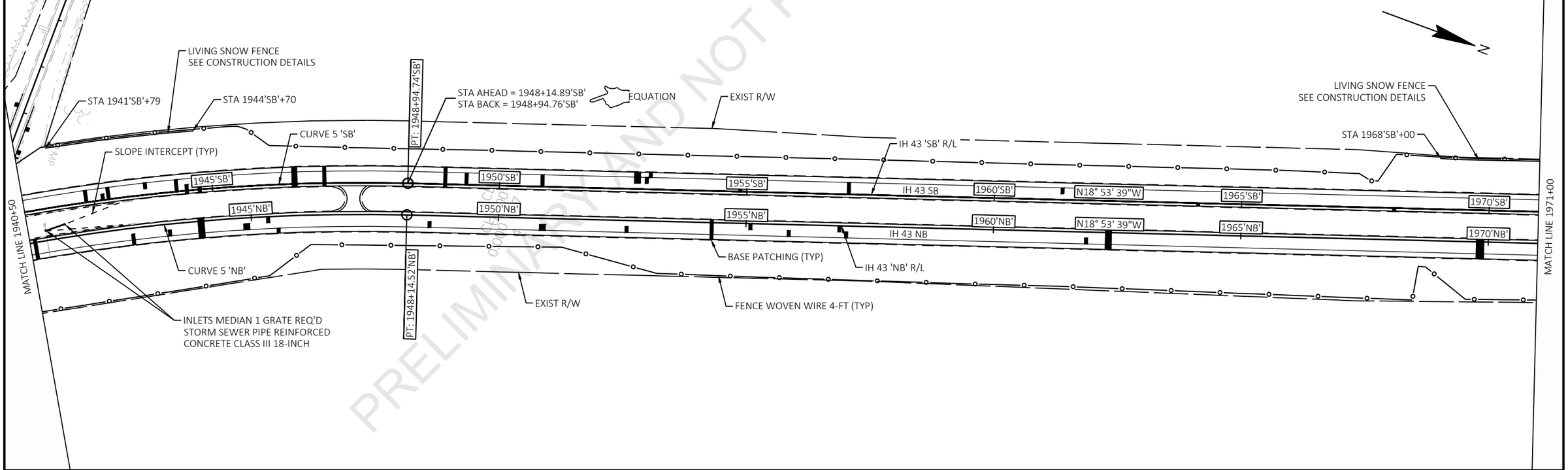
Preliminary

07/08/2021 1:23:19 PM



CURVE 5 'NB'
PI STA = 1930+77.06'NB'
Y = 385651.728
X = 187608.799
DELTA = 57°29'13"
D = 1°30'00"
T = 2095.00'
L = 3832.46'
R = 3819.72'
PC STA = 1909+82.06'NB'
Y = 385158.428
X = 189644.895
PT STA = 1948+14.52'NB'
Y = 387633.848
X = 186930.397
BK = N76°22'51.5"W
AH = N18°53'38.7"W
SE = 5.4%

CURVE 5 'SB'
PI STA = 1934+06.26'SB'
Y = 386027.756
X = 187412.459
DELTA = 46°41'07"
D = 1°28'31"
T = 1676.02'
L = 3164.50'
R = 3883.72'
PC STA = 1917+30.24'SB'
Y = 385334.835
X = 188938.532
PT STA = 1948+94.74'SB'
Y = 387613.469
X = 186869.730
BK = N65°34'45.6"W
AH = N18°53'38.8"W
SE = 5.4%

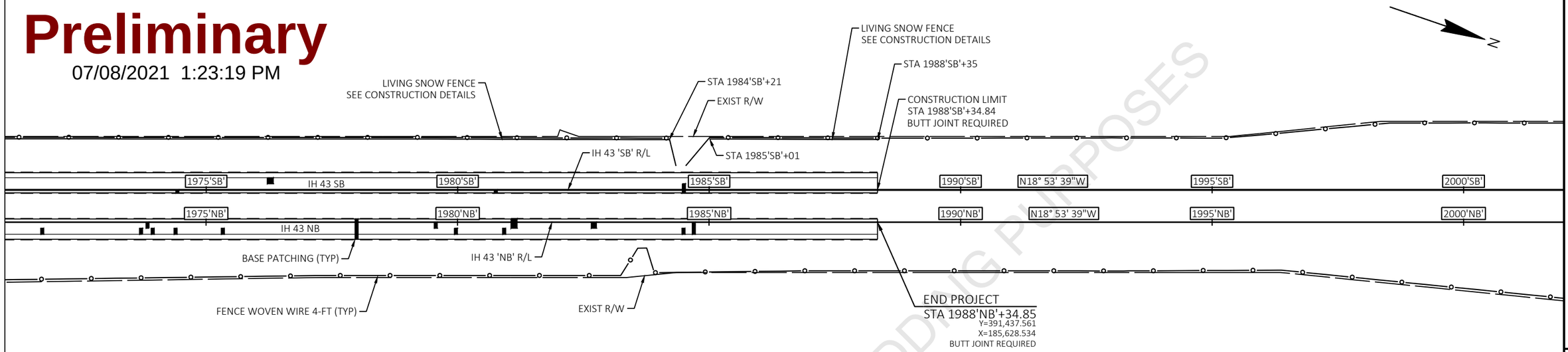


PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

Preliminary

07/08/2021 1:23:19 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-72\050201-PN.DWG
LAYOUT NAME - 050207-pn
PLOT DATE : 6/16/2021 8:33 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : ###########
WISDOT/CADDS SHEET 44

Preliminary

07/08/2021 1:23:19 PM

N

SEE CONSTRUCTION DETAIL: ASPHALTIC SURFACE MILLING AT DRIVEWAY ENTRANCE WITH CURB & GUTTER

FENCE WOVEN WIRE 4-FT (TYP)

STH 147 NW RAMP 'ZNW' R/L

EXISTING R/W

REMOVING PAVEMENT BUTT JOINT (20 FT X 12 FT)

STH 147 NW RAMP

REMOVING CONCRETE SURFACE MILLING

BASE PATCHING (TYP)

B-36-93

ADJUSTING INLET COVER

GPS

5 'WB'

CTH Z

10 'WB'

15 'WB'

55 'EB'

60 'EB'

25 'SW'

MATCH LINE 19+75

CONSTRUCTION LIMITS
STA 6'WB'+73.18
BUTT JOINT REQ'D

EXISTING R/W

STH 147 SW RAMP 'ZSW' R/L

PLACE HMA OVERLAY ON TOP OF COLORED CONCRETE MARKING DIAGONAL EPOXY 12-INCH YELLOW

1665 'SB'

STH 147 SW RAMP

5

5

N

BASE PATCHING (TYP)

PLACE HMA OVERLAY ON TOP OF COLORED CONCRETE MARKING DIAGONAL EPOXY 12-INCH YELLOW

STH 147 NE RAMP 'ZNE' R/L

STH 147 NE RAMP

EXISTING R/W

B-36-94

REMOVING CONCRETE SURFACE MILLING

ADJUSTING INLET COVER

MATCH LINE 19+75

20 'WB'

25 'WB'

30 'WB'

STH 147/CTH Z

35 'WB'

65 'EB'

70 'EB'

ADJUSTING INLET COVER

EXISTING R/W

CONSTRUCTION LIMITS
STA 31'WB'+90.15
BUTT JOINT REQ'D

1665 'NB'

GUY

25

STH 147 SE RAMP 'ZSE' R/L

STH 147 SE RAMP

FENCE WOVE WIRE 4-FT (TYP)

REMOVING PAVEMENT BUTT JOINT (4 FT X 2 ½ FT)

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS - STH 147 & CTH Z	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\1227200\SHEETSPLAN\1227-12-72\050202-PN.DWG
LAYOUT NAME - 050208-pn

PLOT DATE : 6/17/2021 10:01 AM PLOT BY : MATERNOSKI, JORDAN D PLOT NAME : PLOT SCALE : 1 IN:100 FT

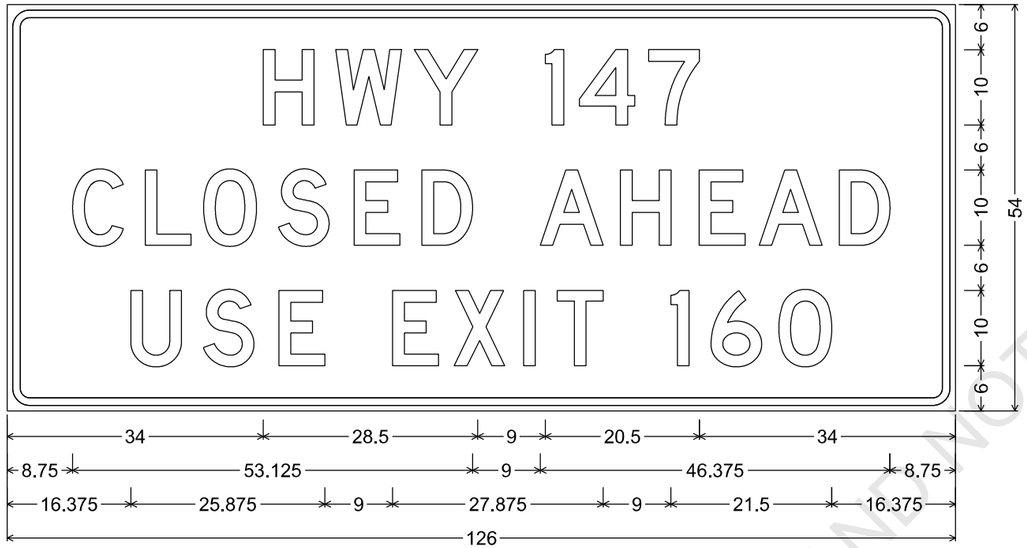
WISDOT/CADDS SHEET 44

Preliminary

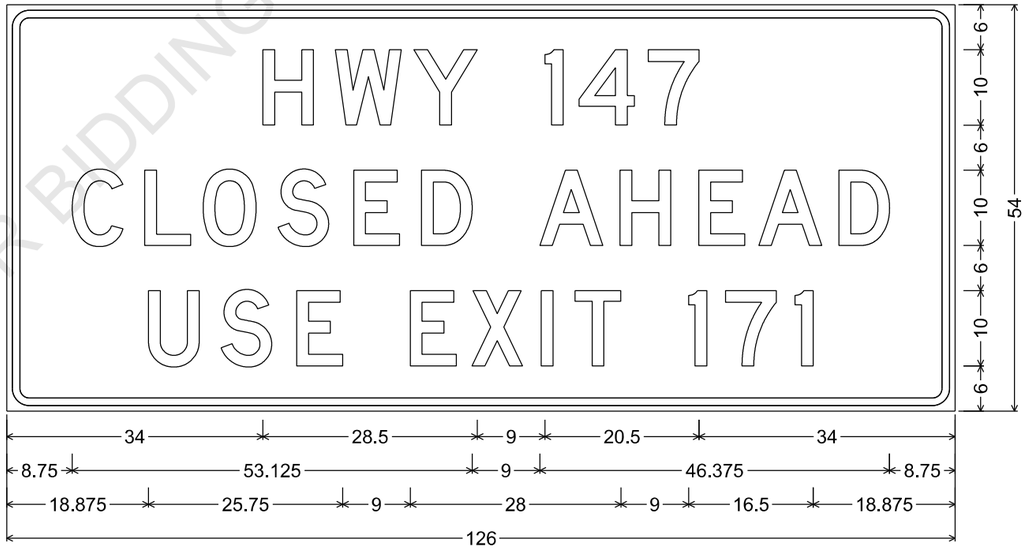
07/08/2021 1:23:19 PM

NOTES

1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



3.000" Radius, 1.000" Border, 0.750" Indent



3.000" Radius, 1.000" Border, 0.750" Indent

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	TEMPORARY SIGNING	SHEET NO:	E

Preliminary
07/08/2021 1:23:20 PM

STATE PROJECT NUMBER
1227-12-72

SUMMARY OF CATEGORY NUMBERS

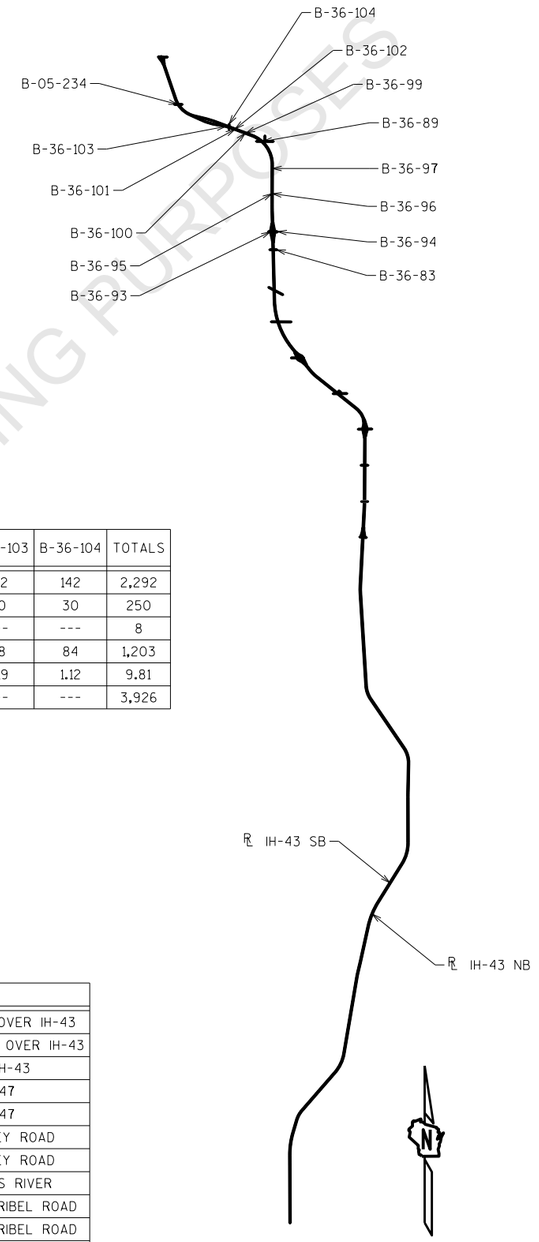
STRUCTURE ID	CATEGORY NUMBER
B-05-234	0020
B-36-83	0040
B-36-89	0050
B-36-93	0060
B-36-94	0070
B-36-95	0080
B-36-96	0090
B-36-97	0100
B-36-99	0110
B-36-100	0120
B-36-101	0130
B-36-102	0140
B-36-103	0150
B-36-104	0160

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	B-05-234	B-36-83	B-36-89	B-36-93	B-36-94	B-36-95	B-36-96	B-36-97	B-36-99	B-36-100	B-36-101	B-36-102	B-36-103	B-36-104	TOTALS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	273	226	312	149	149	118	118	120	117	112	173	151	132	142	2,292
509.1500	CONCRETE SURFACE REPAIR	SF	25	---	4	25	25	5	9	5	15	22	14	31	40	30	250
SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	---	8	---	---	---	---	---	---	---	---	---	---	---	---	8
SPV.0090	JOINT SEALING	LF	70	60	90	80	80	80	80	80	86	111	102	112	88	84	1,203
SPV.0120	BRIDGE DECK CRACK SEALING	GAL	---	1.57	2.37	---	---	---	---	---	---	---	1.72	1.84	1.19	1.12	9.81
SPV.0180	METHACRYLATE FLOOD SEAL	SY	967	---	---	---	---	568	568	517	573	733	---	---	---	---	3,926

SUMMARY OF LOCATIONS

STRUCTURE ID	COUNTY	MUNICIPALITY	LOCATION
B-05-234	BROWN	NEW DENMARK	COOPERSTOWN ROAD OVER IH-43
B-36-83	MANITOWOC	COOPERSTOWN	HIDDEN VALLEY ROAD OVER IH-43
B-36-89	MANITOWOC	COOPERSTOWN	ZANDER ROAD OVER IH-43
B-36-93	MANITOWOC	COOPERSTOWN	IH-43 SB OVER STH 147
B-36-94	MANITOWOC	COOPERSTOWN	IH-43 NB OVER STH 147
B-36-95	MANITOWOC	COOPERSTOWN	IH-43 SB OVER SCHLEY ROAD
B-36-96	MANITOWOC	COOPERSTOWN	IH-43 NB OVER SCHLEY ROAD
B-36-97	MANITOWOC	COOPERSTOWN	IH-43 SB OVER DEVILS RIVER
B-36-99	MANITOWOC	COOPERSTOWN	IH-43 NB OVER T MARIBEL ROAD
B-36-100	MANITOWOC	COOPERSTOWN	IH-43 SB OVER T MARIBEL ROAD
B-36-101	MANITOWOC	COOPERSTOWN	IH-43 SB OVER CNW RR
B-36-102	MANITOWOC	COOPERSTOWN	IH-43 NB OVER CNW RR
B-36-103	MANITOWOC	COOPERSTOWN	IH-43 SB OVER ROSECRANS ROAD
B-36-104	MANITOWOC	COOPERSTOWN	IH-43 NB OVER ROSECRANS ROAD



LOCATION MAP

LIST OF DRAWINGS

1. BRIDGE REPAIR SUMMARY
2. B-05-234 & B-36-83/89/93/94 REPAIRS
3. B-36-95/96/97 & B-36-99/100 REPAIRS
4. B-36-101/102 & B-36-103/104 REPAIRS

STRUCTURE DESIGN CONTACTS:
DOMINIQUE BECHLE (608) 261-8205
JOHN SENDOR (608) 266-5163

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-5/36-VARIOUS

BROWN & MANITOWOC CO. IH-43 BRIDGE REPAIRS

COUNTY	TOWN/CITY/VILLAGE
BROWN & MANITOWOC	VARIES

DESIGN SPEC.
N/A - REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
DMB	JJS	DMB	JJS

BRIDGE REPAIR SUMMARY

SHEET 1 OF 4

I.D. 1227-12-00 DATE: MAY 2021

SCALE = 10800.00

8

8

PRELIMINARY AND NOT FOR BIDDING PURPOSES

STATE PROJECT NUMBER
1227-12-72

B-05-234 REPAIR SUMMARY

COOPERSTOWN ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	273	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	25	ESTIMATED REPAIR AREAS ARE LOCATED ON SW WINGWALL AND ON NORTH & SOUTH PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	70	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 35 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0180.05	METHACRYLATE FLOOD SEAL	SY	967	APPLY TO ENTIRE DECK AREA; ESTIMATED DECK AREA = 8,700 SF

Preliminary
07/08/2021 1:23:20 PM

B-36-83 REPAIR SUMMARY

HIDDEN VALLEY ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	226	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
SPV.0060.01	CLEANING AND PAINTING BEARINGS	EACH	8	CLEAN AND PAINT EXISTING ABUTMENT EXPANSION BEARINGS; 4 BEARINGS PER ABUTMENT
SPV.0090.01	JOINT SEALING	LF	60	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 30 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.57	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISITNG CRACKING = 990 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-89 REPAIR SUMMARY

ZANDER ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	312	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	4	ESTIMATED REPAIR AREAS ARE LOCATED ON THE SOUTH PIER COLUMN; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	90	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 45 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	2.37	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISITNG CRACKING = 1,496 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-93 REPAIR SUMMARY

IH-43 SB OVER STH 147

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	149	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	25	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, WINGWALLS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE

B-36-94 REPAIR SUMMARY

IH-43 NB OVER STH 147

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	149	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	25	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE

PRELIMINARY AND NOT FOR BIDDING PURPOSES

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5/36-VARIOUS

DRAWN BY DMB | PLANS CK'D. JJS

B-05-234 & B-36-83/89/93/94 REPAIRS

SHEET 2

SCALE = 12.00

STATE PROJECT NUMBER
1227-12-72

Preliminary

07/08/2021 1:23:20 PM

B-36-95 REPAIR SUMMARY

IH-43 SB OVER SCHLEY ROAD

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	118	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	5	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0180.05	METHACRYLATE FLOOD SEAL	SY	568	APPLY TO ENTIRE DECK AREA; ESTIMATED DECK AREA = 5,108 SF

B-36-96 REPAIR SUMMARY

IH-43 NB OVER SCHLEY ROAD

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	118	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	9	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, WINGWALLS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0180.05	METHACRYLATE FLOOD SEAL	SY	568	APPLY TO ENTIRE DECK AREA; ESTIMATED DECK AREA = 5,108 SF

B-36-97 REPAIR SUMMARY

IH-43 SB OVER DEVILS RIVER

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	120	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	5	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, ABUTMENT DIAPHRAGMS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0180.05	METHACRYLATE FLOOD SEAL	SY	517	APPLY TO ENTIRE DECK AREA; ESTIMATED DECK AREA = 4,646 SF

B-36-99 REPAIR SUMMARY

IH-43 NB OVER T MARIBEL ROAD

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	117	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	15	ESTIMATED REPAIR AREAS ARE LOCATED ON SOUTH ABUTMENTS, SOUTH WINGWALLS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	86	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 43 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0180.05	METHACRYLATE FLOOD SEAL	SY	573	APPLY TO ENTIRE DECK AREA; ESTIMATED DECK AREA = 5,151 SF

B-36-100 REPAIR SUMMARY

IH-43 SB OVER T MARIBEL ROAD

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	112	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	22	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, WINGWALLS, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	111	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 53 LF AT EAST ABUTMENT; 58 LF AT WEST ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0180.05	METHACRYLATE FLOOD SEAL	SY	733	APPLY TO ENTIRE DECK AREA; ESTIMATED DECK AREA = 6,597 SF

PRELIMINARY AND NOT FOR BIDDING PURPOSES

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5/36-VARIOUS

DRAWN BY DMB | PLANS CK'D. JJS

B-36-95/96/97 & B-36-99/100 REPAIRS

SHEET 3

SCALE = 12.00

STATE PROJECT NUMBER
1227-12-72

Preliminary

07/08/2021 1:23:20 PM

B-36-101 REPAIR SUMMARY

IH-43 SB OVER CNW RR

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	173	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	14	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS, PIER COLUMN, AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	102	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 51 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.72	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISITNG CRACKING = 1,085 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-102 REPAIR SUMMARY

IH-43 NB OVER CNW RR

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	151	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	31	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	112	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 58 LF AT EAST ABUTMENT; 54 LF AT WEST ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.84	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISITNG CRACKING = 1,161 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-103 REPAIR SUMMARY

IH-43 SB OVER ROSECRANS ROAD

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	132	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	40	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	88	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 44 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.19	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISITNG CRACKING = 751 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-104 REPAIR SUMMARY

IH-43 NB OVER ROSECRANS ROAD

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	142	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	30	ESTIMATED REPAIR AREAS ARE LOCATED ON ABUTMENTS AND PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	84	SEAL THE EXISTING JOINTS AT EACH ABUTMENT; 42 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.12	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISITNG CRACKING = 707 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

PRELIMINARY AND NOT FOR BIDDING PURPOSES

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5/36-VARIOUS

DRAWN BY DMB | PLANS CK'D. JJS

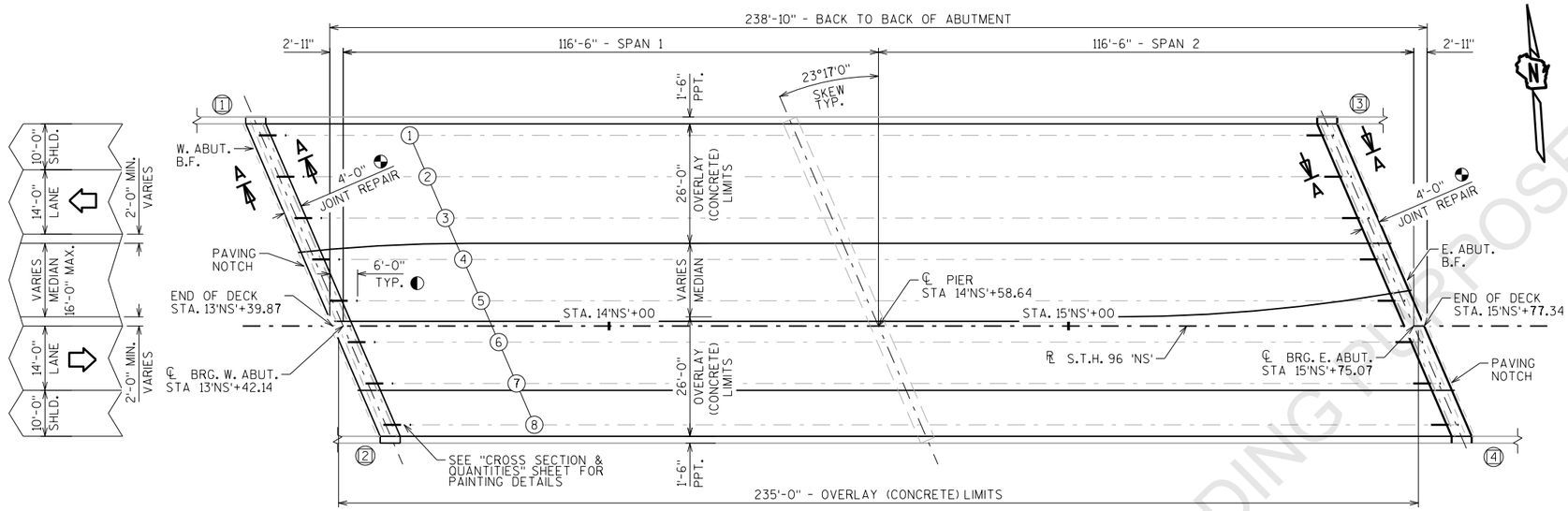
B-36-101/102
& B-36-103/104
REPAIRS

SHEET 4

SCALE = 12.00

STATE PROJECT NUMBER

1227-12-72



PLAN

Preliminary
07/08/2021 1:23:20 PM

DESIGN DATA

LIVE LOAD:

INVENTORY RATING FACTOR: HS-24
OPERATING RATING FACTOR: HS-40
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
CONCRETE MASONRY OVERLAY DECKS ——— f'c = 4,000 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

TRAFFIC VOLUME

S.T.H. 96	I.H. 43
ADT = 6,200 (2018)	ADT = 32,190 (2023)
R.D.S. = 40 M.P.H.	R.D.S. = 75 M.P.H.

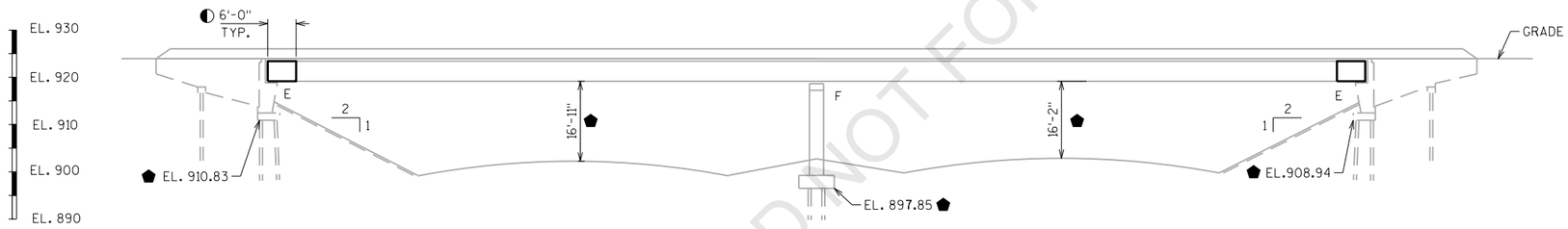
◯ INDICATES GIRDER NUMBER.

▢ INDICATES WING NUMBER.

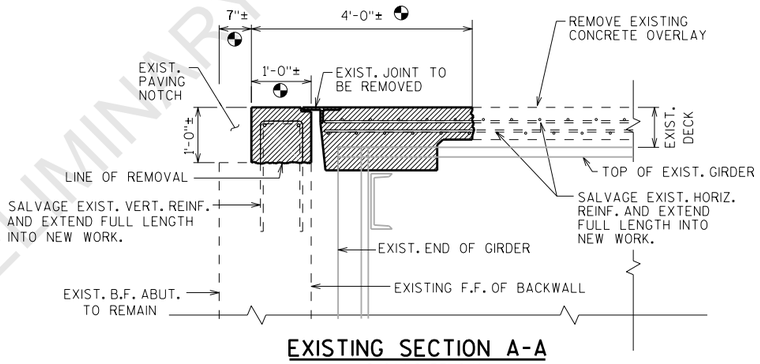
◐ CLEANING AND PAINTING THE END 6 FEET OF ALL STRUCTURAL WEATHERING STEEL AT BOTH ABUTMENTS, EXCEPT THE EXTERIOR OF THE EXTERIOR GIRDERS. DIMENSION IS TAKEN PARALLEL TO ℄ GIRDERS.

⬟ ELEVATIONS FROM ORIGINAL PLANS (1980) AND AUGUST 2020 INSPECTION RECORD.

◓ DIMENSION GIVEN NORMAL TO ℄ SUBSTRUCTURE.



ELEVATION
LOOKING NORTH



EXISTING SECTION A-A
SHOWING REMOVAL
TYP. BOTH ABUTMENTS

LIST OF DRAWINGS

1. CONCRETE OVERLAY
2. CROSS SECTION & QUANTITIES
3. JOINT REPAIR DETAILS
4. EXPANSION DEVICE
5. COVER PLATE DETAILS
6. DECK CONDITION SURVEY

STRUCTURE DESIGN CONTACTS:
ENGELS VARGAS (608) 267-7111
DOMINIQUE BECHLE (608) 261-8205

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-5-239

S.T.H. 96 OVER I.H. 43

COUNTY	TOWN
BROWN	DENMARK

DESIGN SPEC. N/A REHABILITATION

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
EJV	XYZ	EJV	

CONCRETE OVERLAY

SHEET 1 OF 2

I.D. 1227-12-00C DATE: MAY 2021

SCALE = 15.00

PRELIMINARY AND NOT FOR BIDDING PURPOSES
DRAFT

STATE PROJECT NUMBER

1227-12-72

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	WEST ABUT.	PIER	EAST ABUT.	TOTALS
△ 502.3101	EXPANSION DEVICE	LF	144	---	---	---	144
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,795	---	---	---	1,795
502.3215	PIGMENTED SURFACE SEALER RESEAL	SY	188	19	---	18	225
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	3,830	---	---	---	3,830
509.0301	PREPARATION DECKS TYPE 1	SY	400	---	---	---	400
509.0302	PREPARATION DECKS TYPE 2	SY	160	---	---	---	160
509.0400.S	CLEANING CONCRETE SURFACES	SY	413	---	---	---	413
509.0500	CLEANING DECKS	SY	1,402	---	---	---	1,402
509.1000	JOINT REPAIR	SY	---	35	---	35	70
509.1500	CONCRETE SURFACE REPAIR	SF	70	---	---	---	70
509.2000	FULL-DEPTH DECK REPAIR	SY	---	---	---	---	1
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	77	---	---	---	77
509.9010.S	REMOVING ASPHALTIC CONCRETE DECK OVERLAY B-5-239	SY	1,378	---	---	---	1,378
517.3000.S	STRUCTURE OVERCOATING CLEANING AND PRIMING B-5-239	LS	---	---	---	---	1
517.4000.S	CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-5-239	LS	---	---	---	---	1
SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	---	8	---	8	16
	NON-BID ITEMS						
	BRIDGE SEAT PROTECTION	LS	---	---	---	---	1

△ QUANTITY IS BASED ON THE DISTANCE FROM GUTTER LINE TO GUTTER LINE AT EACH ABUTMENT, INCLUDING THE MEDIAN.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENTS PAVING BLOCK AND THE EXISTING CONCRETE MEDIAN.

SURFACE PREPARATION OF MEDIAN SURFACES PRIOR TO APPLICATION OF PROTECTIVE SURFACE TREATMENT SHALL BE INCLUDED IN THE BID ITEM "CLEANING CONCRETE SURFACES".

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS INCLUDING WING PARAPETS.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES AT ABUTMENTS BELOW EXPANSION DEVICES.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

CLEAN AND PAINT THE END 6 FEET OF ALL STRUCTURAL WEATHERING STEEL AT BOTH ABUTMENTS, EXCEPT THE EXTERIOR OF THE EXTERIOR GIRDERS. USE AMS STANDARD COLOR NO. 20059 (BROWN) FOR THE TOP COAT. TOTAL AMOUNT OF PAINTING IS EXPECTED TO BE APPROXIMETELY 1,250 SF.

ANY EXCAVATION NECESSARY TO COMPLETE JOINT REPAIR AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "JOINT REPAIR".

REMOVE EXISTING 2"± "POLYMER MODIFIED ASPHALTIC CONCRETE PAVEMENT" UNDER BID ITEM, "REMOVING ASPHALTIC CONCRETE DECK OVERLAY B-5-239".

A MINIMUM OF 1" OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM, "CLEANING DECKS."

AREAS OF CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

CONCRETE FOR JOINT REPAIRS IS INCLUDED IN BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

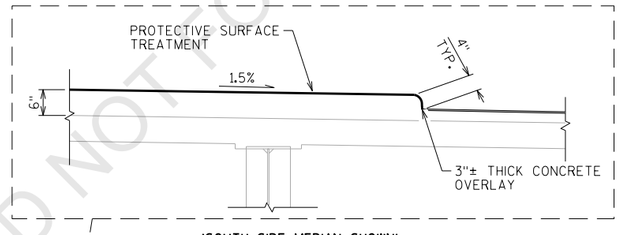
PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL DEPTH DECK REPAIRS AREA ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE ½", CONTACT THE STRUCTURE DESIGN SECTION.

ENGINEER TO DETERMINE CONCRETE SURFACE REPAIR AREAS. CONCRETE SURFACE REPAIRS SHALL BE MADE ONLY AS DIRECTED BY THE ENGINEER. ANTICIPATED AREAS OF SURFACE REPAIR ARE LOCATED ON THE PARAPETS AND THE MEDIAN.

Preliminary

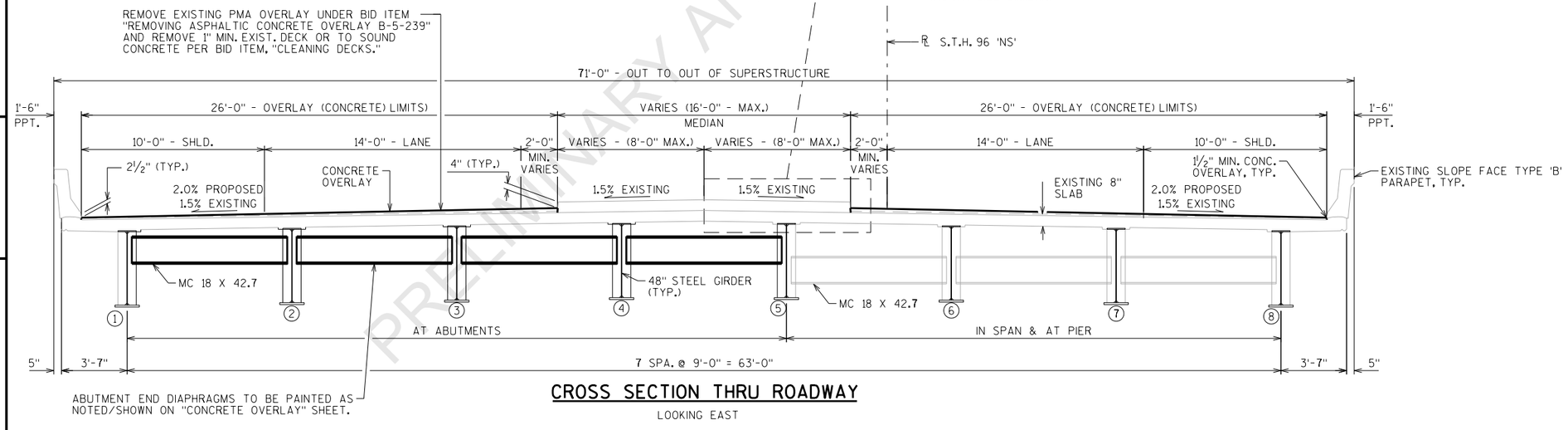
07/08/2021 1:23:21 PM



(SOUTH SIDE MEDIAN SHOWN)
(NORTH SIDE SIMILAR)

○ INDICATES GIRDER NUMBER

2¼" AVERAGE OVERLAY THICKNESS



CROSS SECTION THRU ROADWAY

LOOKING EAST

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-5-239

DRAWN BY EJV | PLANS CK'D.

CROSS SECTION & QUANTITIES

SHEET 2

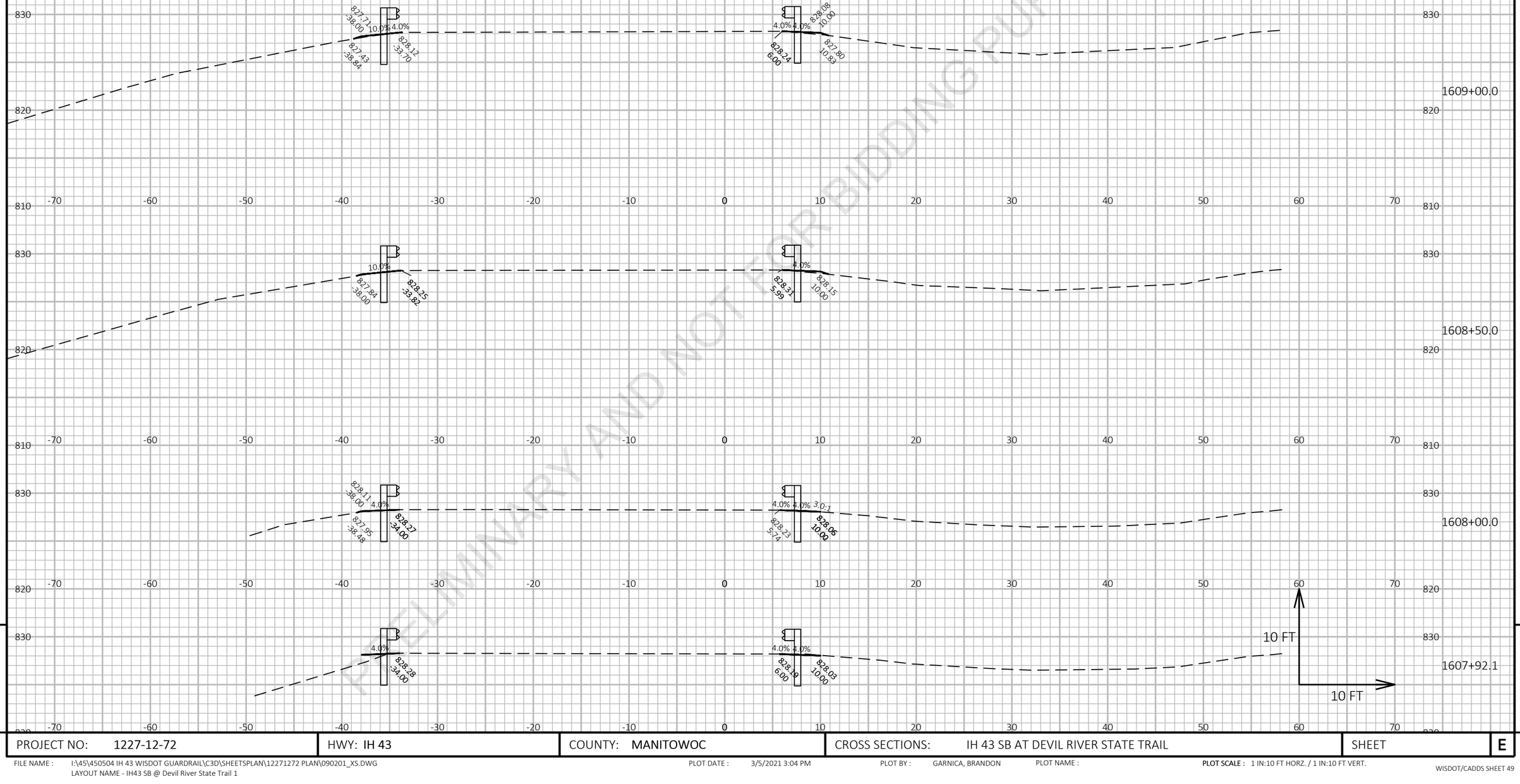
SCALE = 15.00

PRELIMINARY AND NOT FOR BIDDING PURPOSES
DRAFT

Preliminary

07/08/2021 1:23:21 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 1

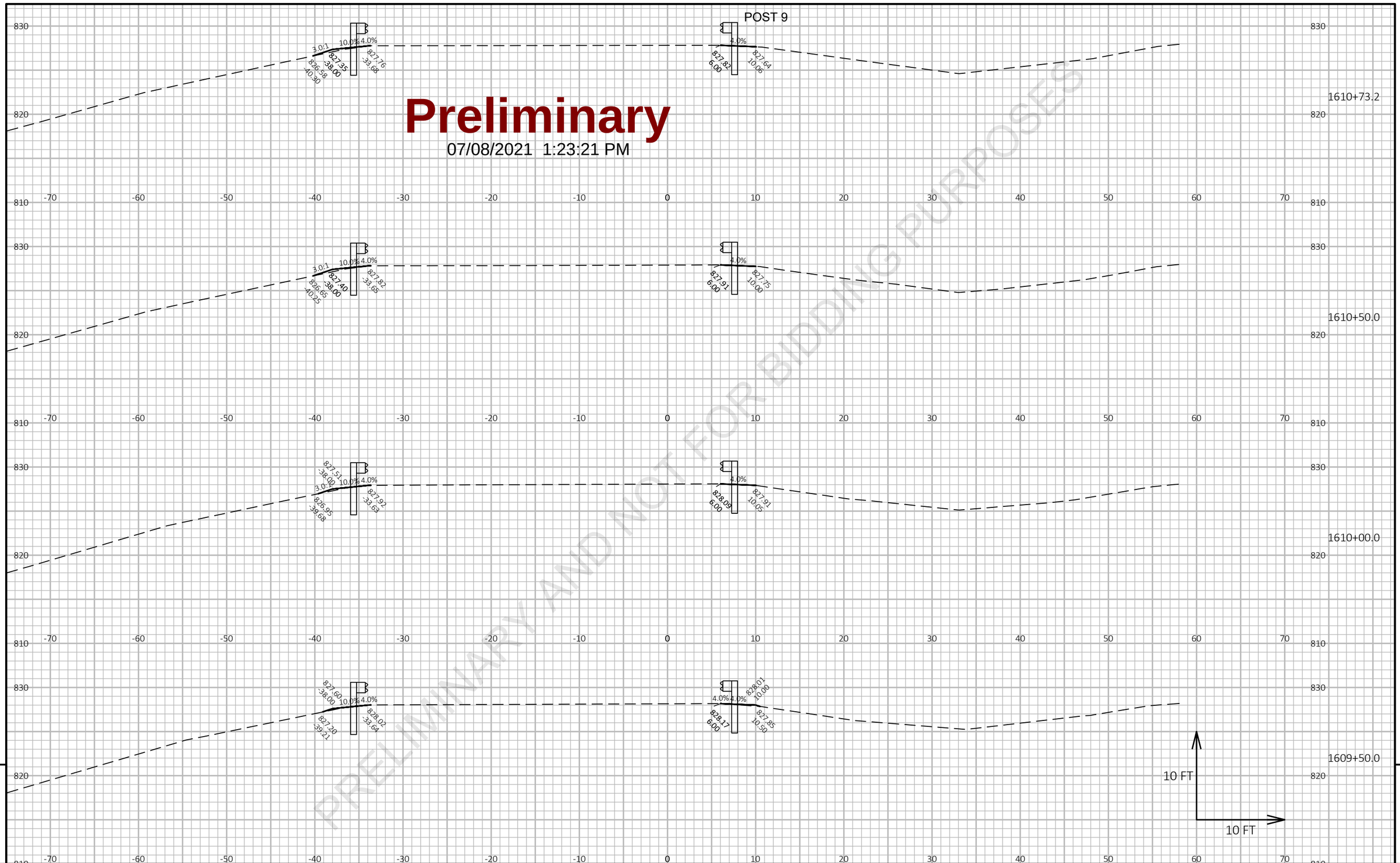
PLOT DATE : 3/5/2021 3:04 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

POST 9

Preliminary

07/08/2021 1:23:21 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

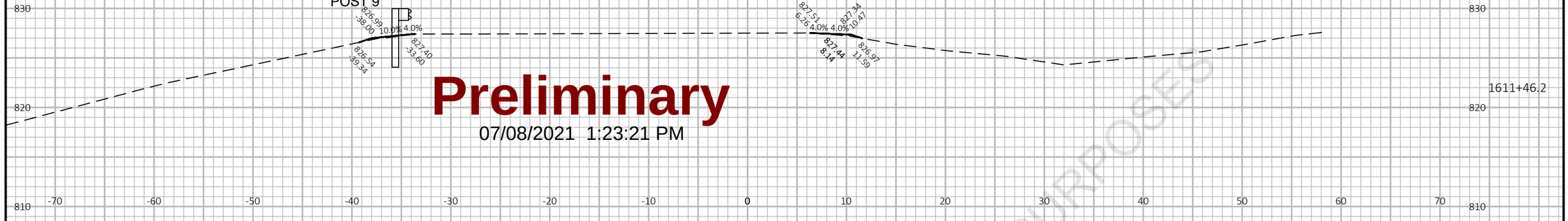
9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 2

PLOT DATE : 3/5/2021 3:04 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

POST 9



POST 5

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

07/08/2021 1:23:21 PM

9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVIL RIVER STATE TRAIL	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 3

PLOT DATE : 3/5/2021 3:05 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:22 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

POST 1

826.98
-40.00
4.0%
4.0%
827.22
-33.88
826.85
-40.45
827.14
-39.00

1611+96.2

POST 5

827.11
-39.00
4.0%
4.0%
827.32
-33.75
826.66
-40.35
827.27
-35.00

1611+71.2

826.94
-38.38
10.0%
4.0%
827.37
-33.69
826.74
-38.99
827.34
-34.37

827.45
6.28
4.0%
827.51
10.00
827.38
8.20
827.05
10.64

1611+55.5

826.97
-38.16
10.0%
4.0%
827.39
-33.63
826.62
-39.20
827.37
-34.15

827.49
6.27
4.0%
4.0%
827.33
10.22
827.41
8.16
827.00
11.20

1611+50.0

10 FT

10 FT

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVIL RIVER STATE TRAIL	SHEET	E

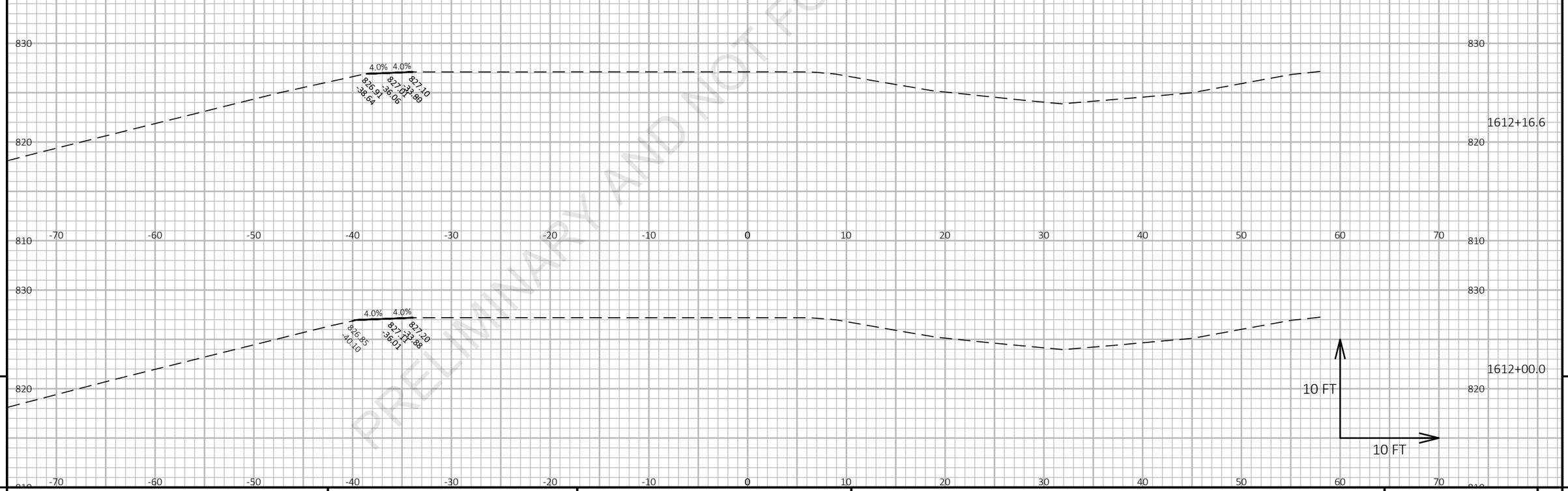
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 4

PLOT DATE : 3/5/2021 3:05 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:22 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVIL RIVER STATE TRAIL	SHEET	E

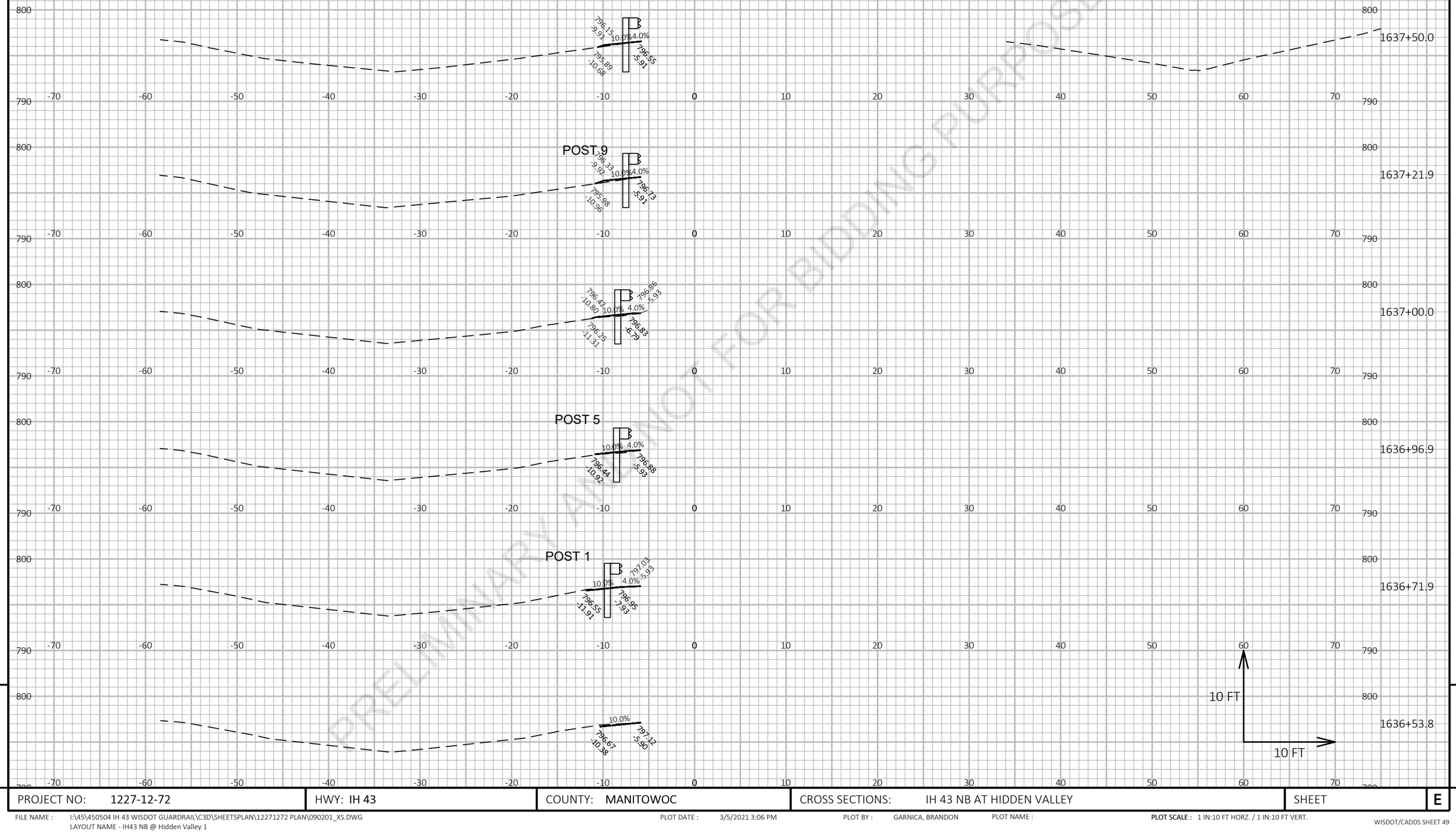
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 5

PLOT DATE : 3/5/2021 3:05 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:22 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT HIDDEN VALLEY	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Hidden Valley 1

PLOT DATE : 3/5/2021 3:06 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

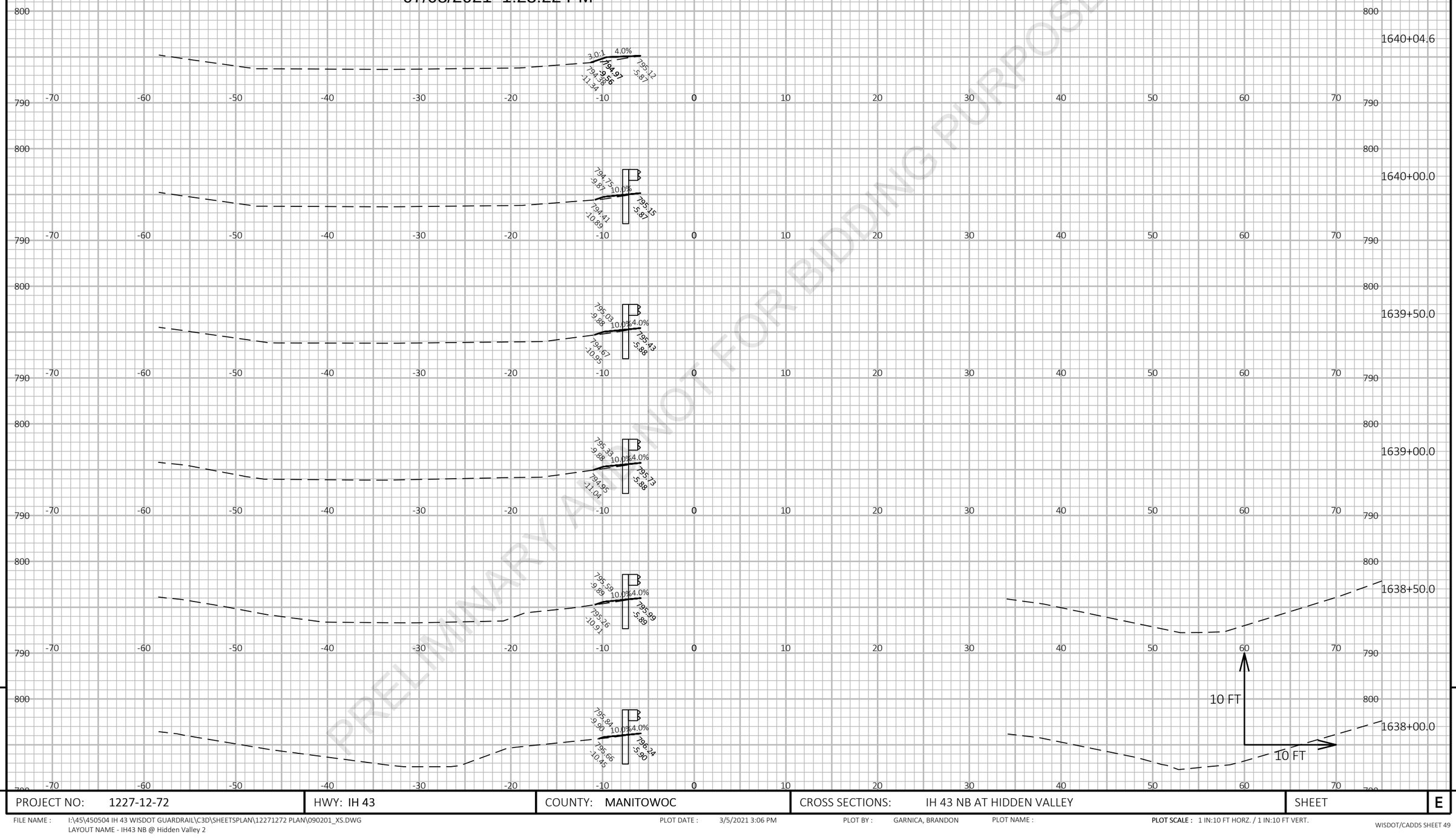
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:22 PM

PRELIMINARY AS NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT HIDDEN VALLEY	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Hidden Valley 2

PLOT DATE : 3/5/2021 3:06 PM

PLOT BY : GARNICA, BRANDON

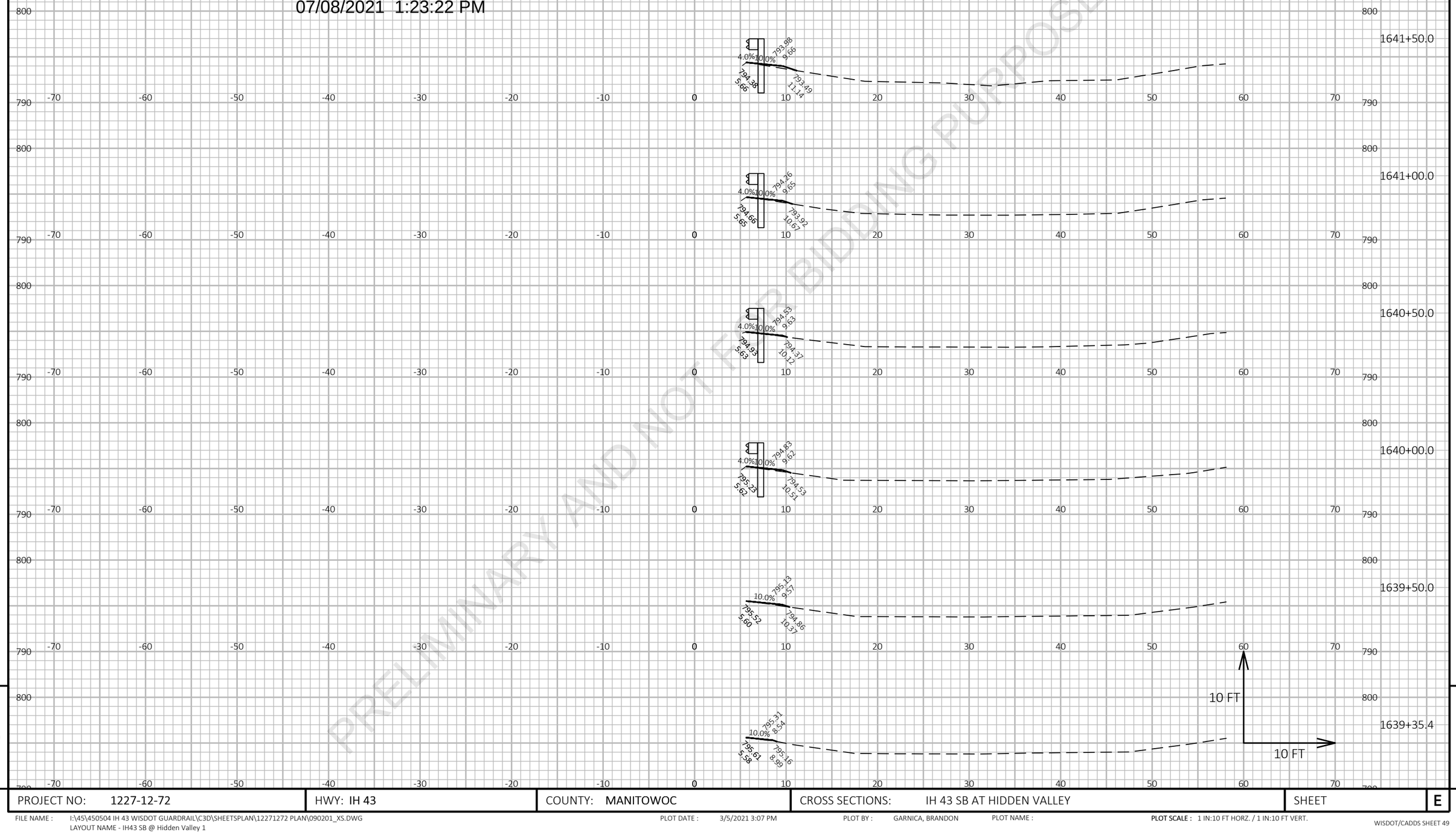
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:22 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT HIDDEN VALLEY	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Hidden Valley 1

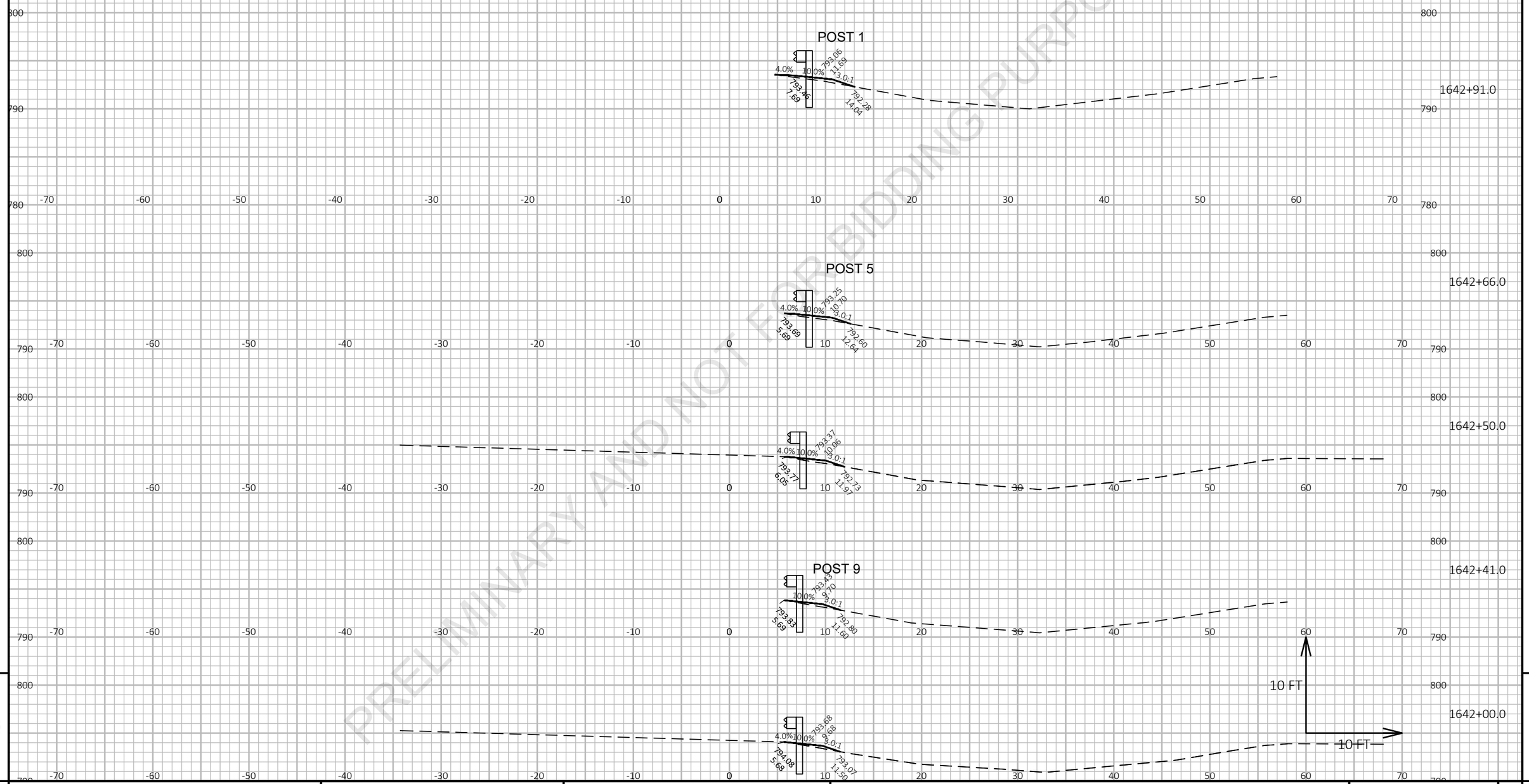
PLOT DATE : 3/5/2021 3:07 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

9

Preliminary

07/08/2021 1:23:23 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT HIDDEN VALLEY	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Hidden Valley 2

PLOT DATE : 3/5/2021 3:07 PM

PLOT BY : GARNICA, BRANDON

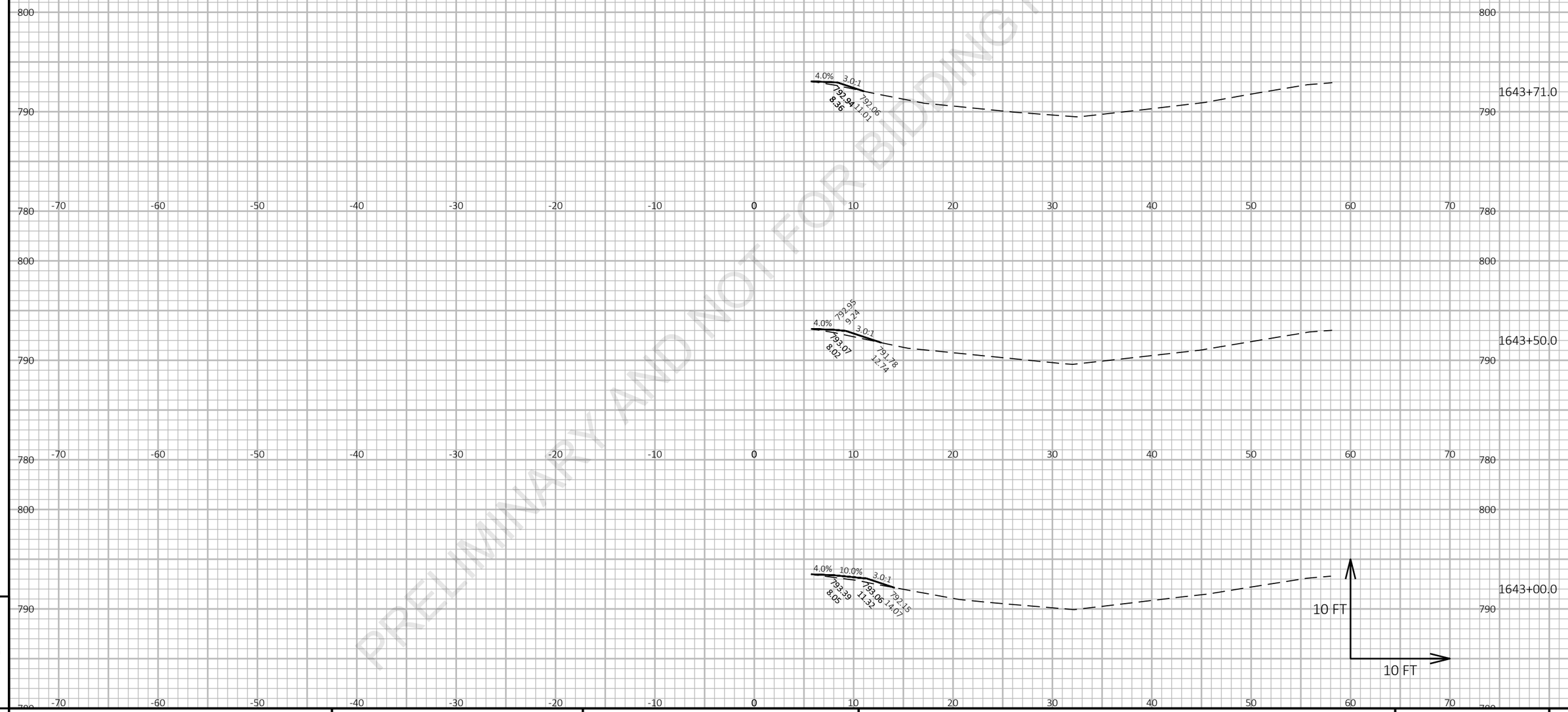
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:23 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT HIDDEN VALLEY	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Hidden Valley 3

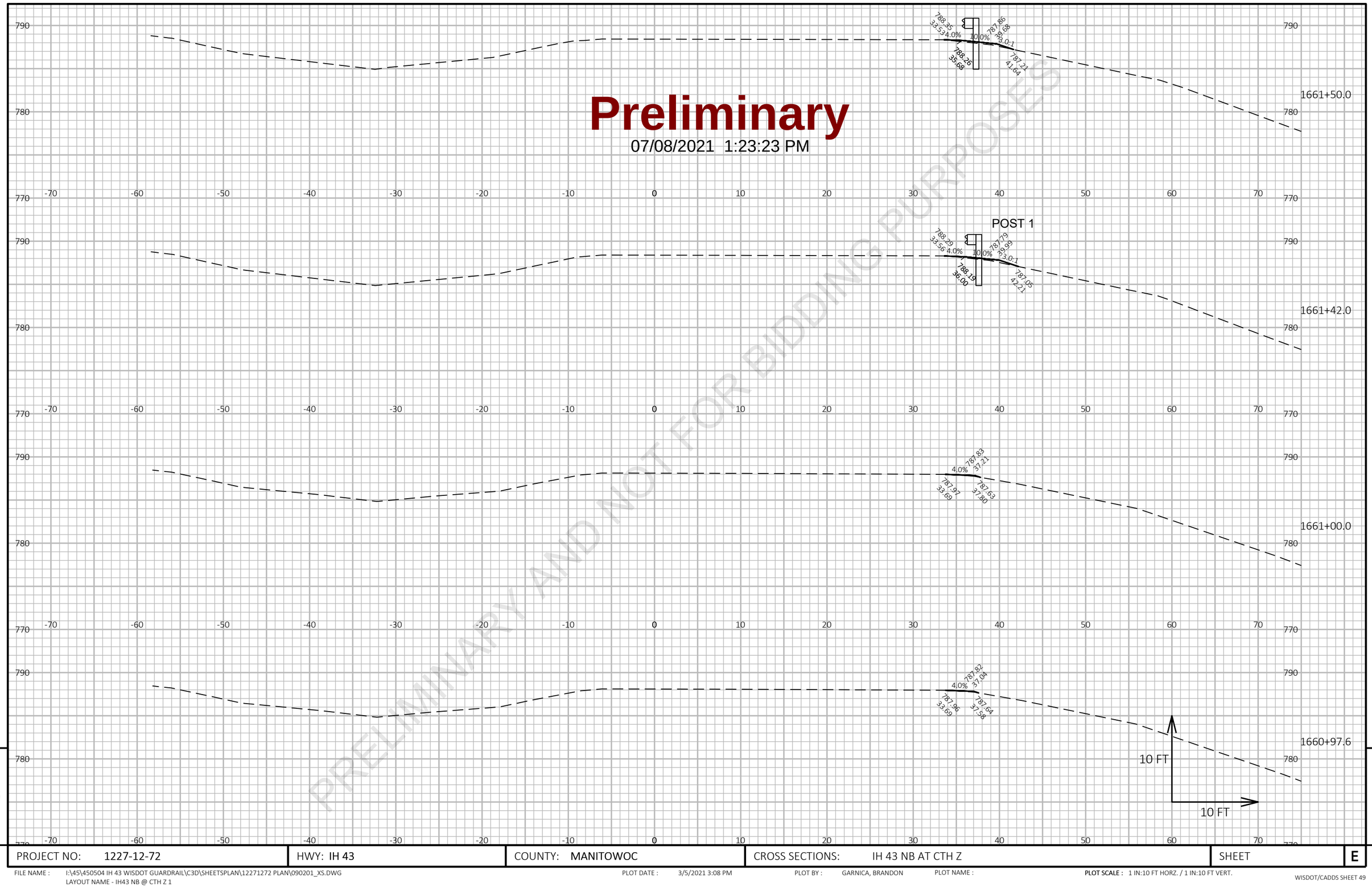
PLOT DATE : 3/5/2021 3:08 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:23 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

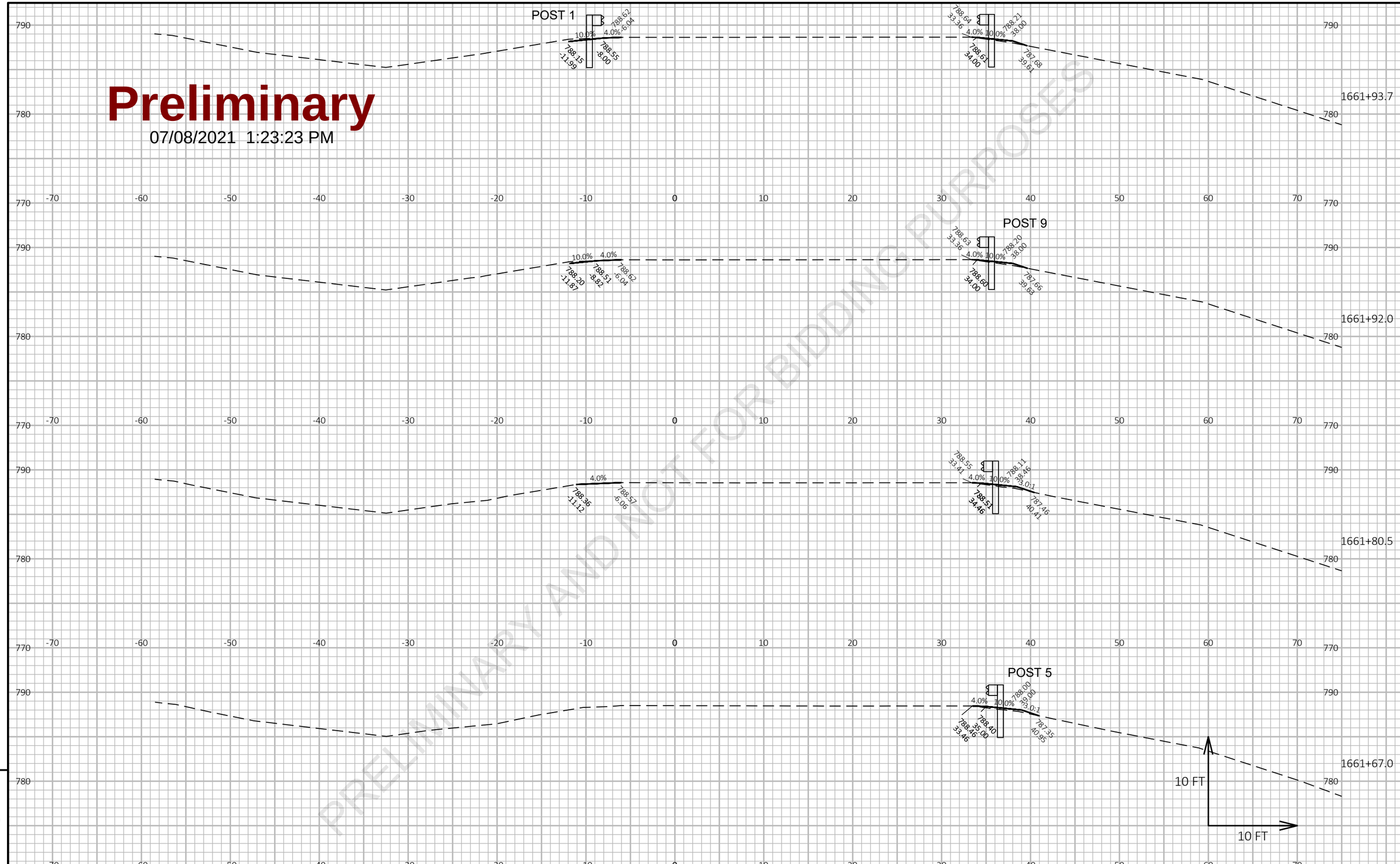


PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH Z	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH Z 1

PLOT DATE : 3/5/2021 3:08 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

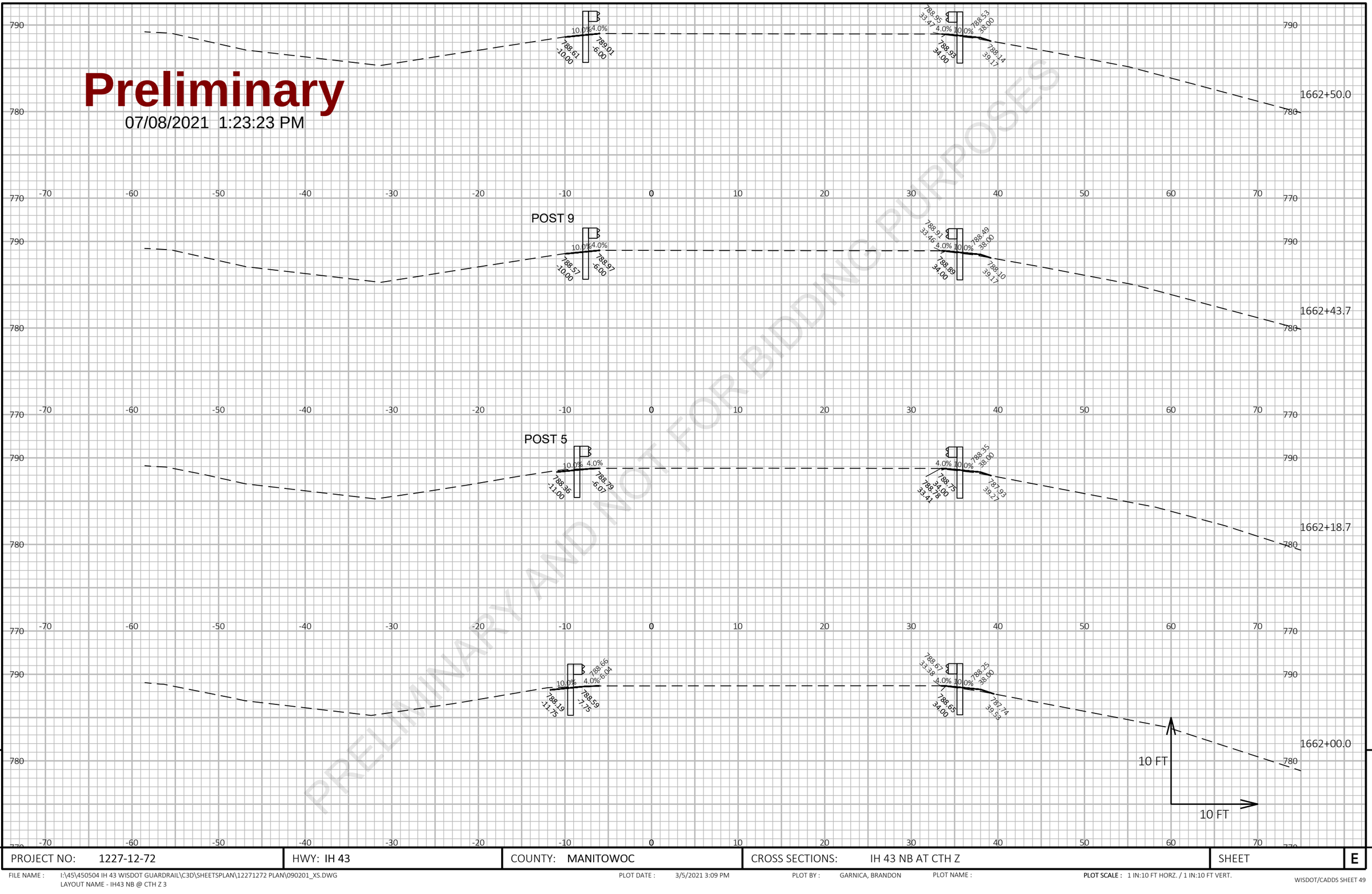
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH Z 2
PLOT DATE : 3/5/2021 3:09 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:23 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH Z 3

PLOT DATE : 3/5/2021 3:09 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

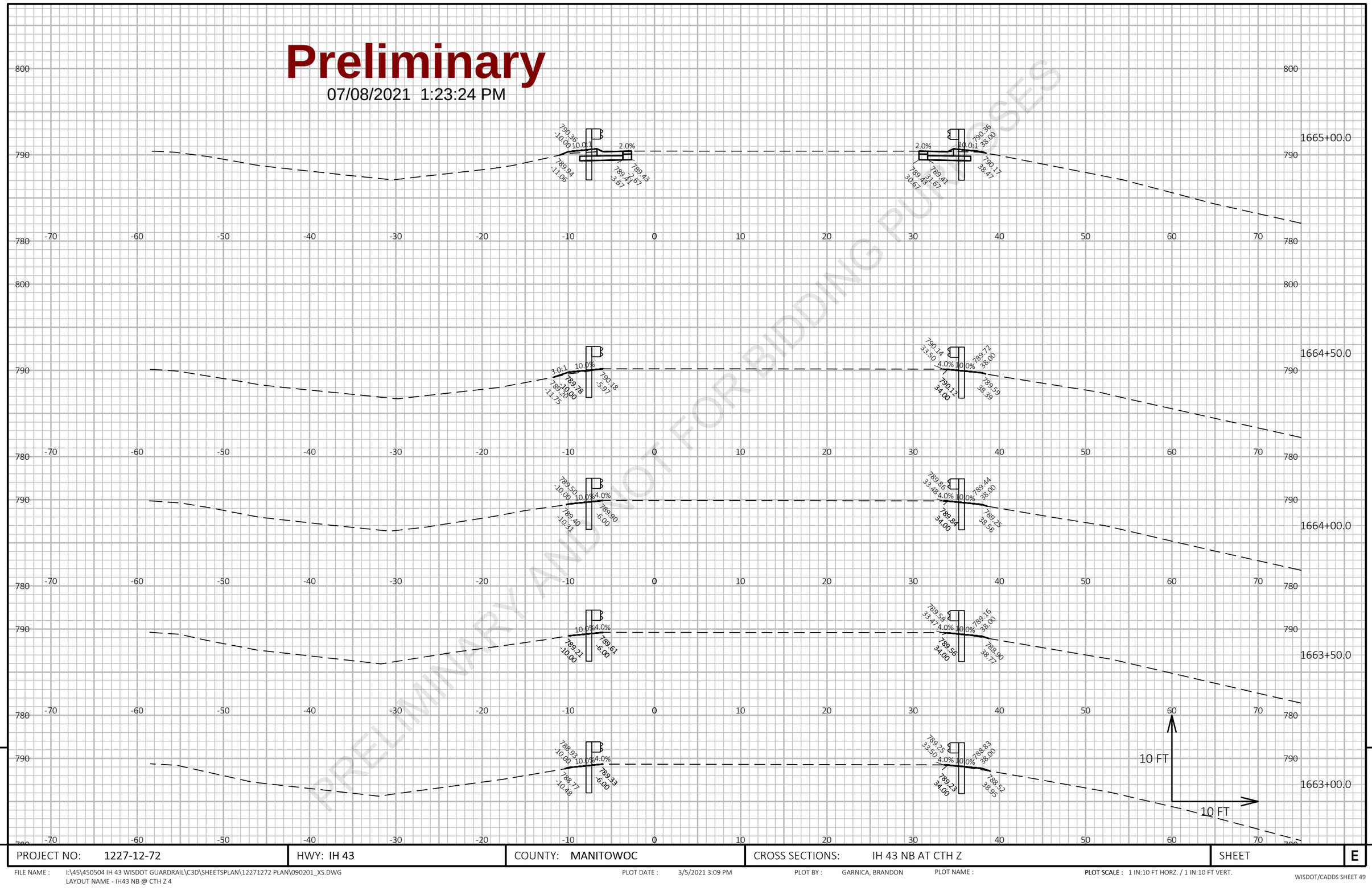
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:24 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH Z	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH Z 4

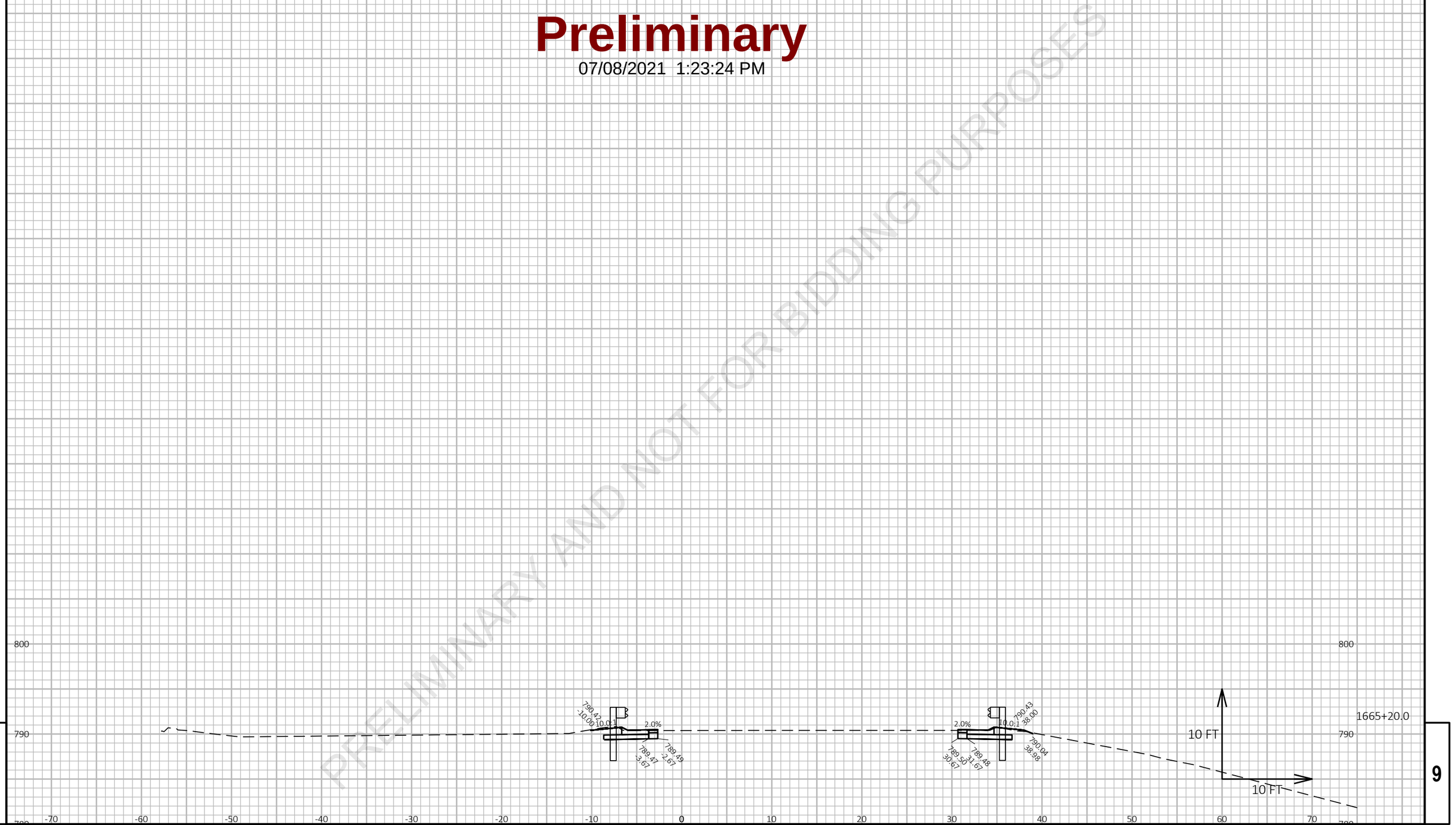
PLOT DATE : 3/5/2021 3:09 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:24 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH Z 5

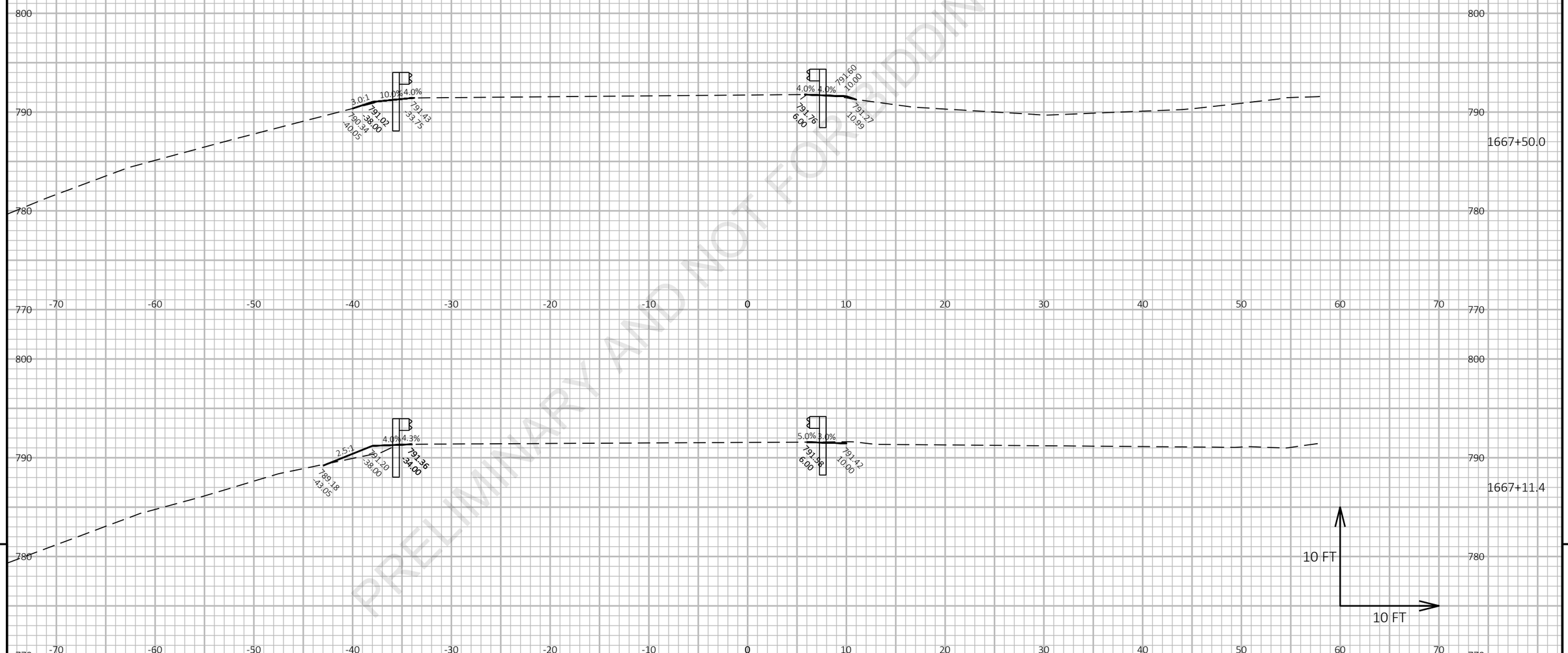
PLOT DATE : 3/5/2021 3:10 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:24 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH Z 1

PLOT DATE : 3/5/2021 3:10 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

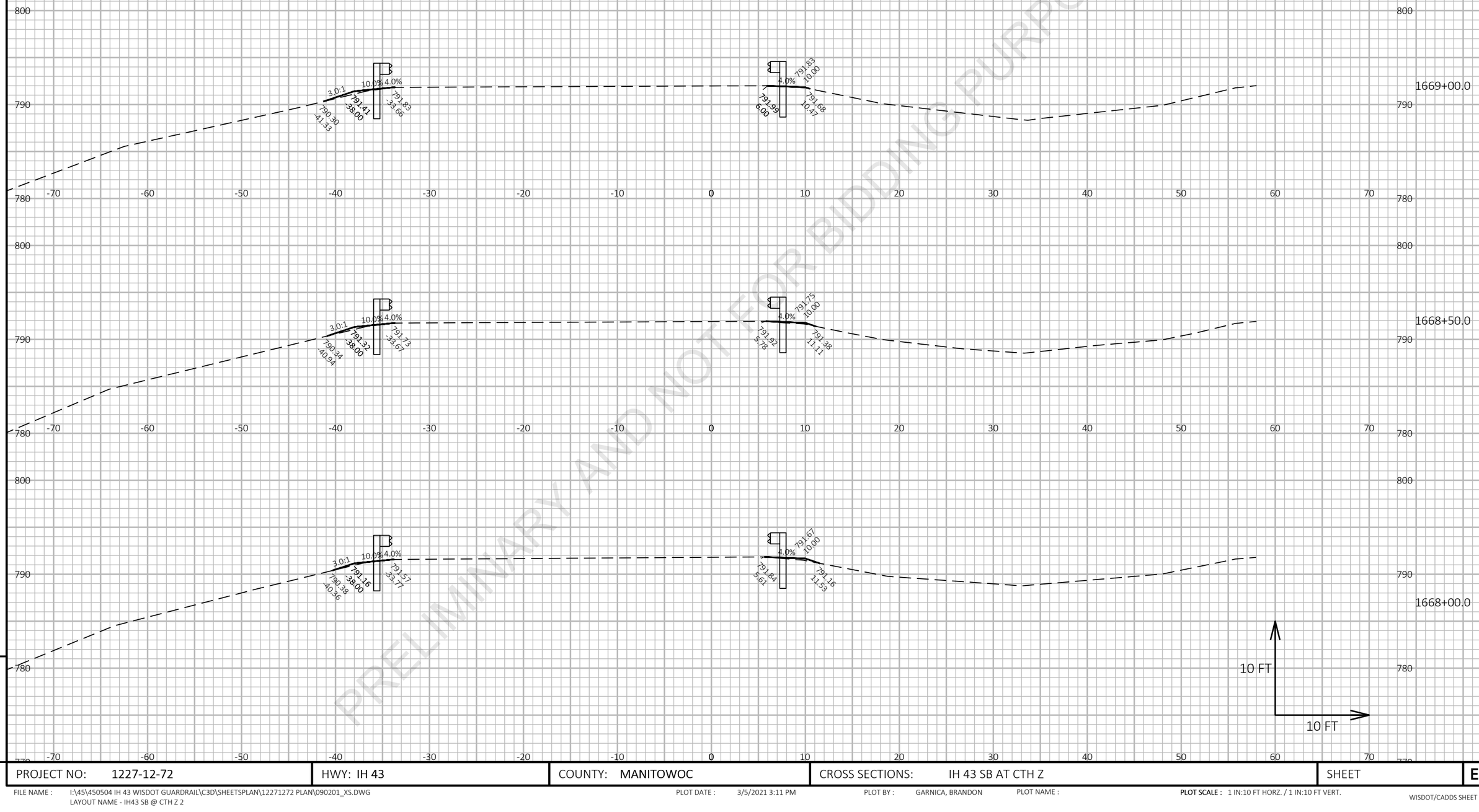
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:24 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH Z	SHEET	E

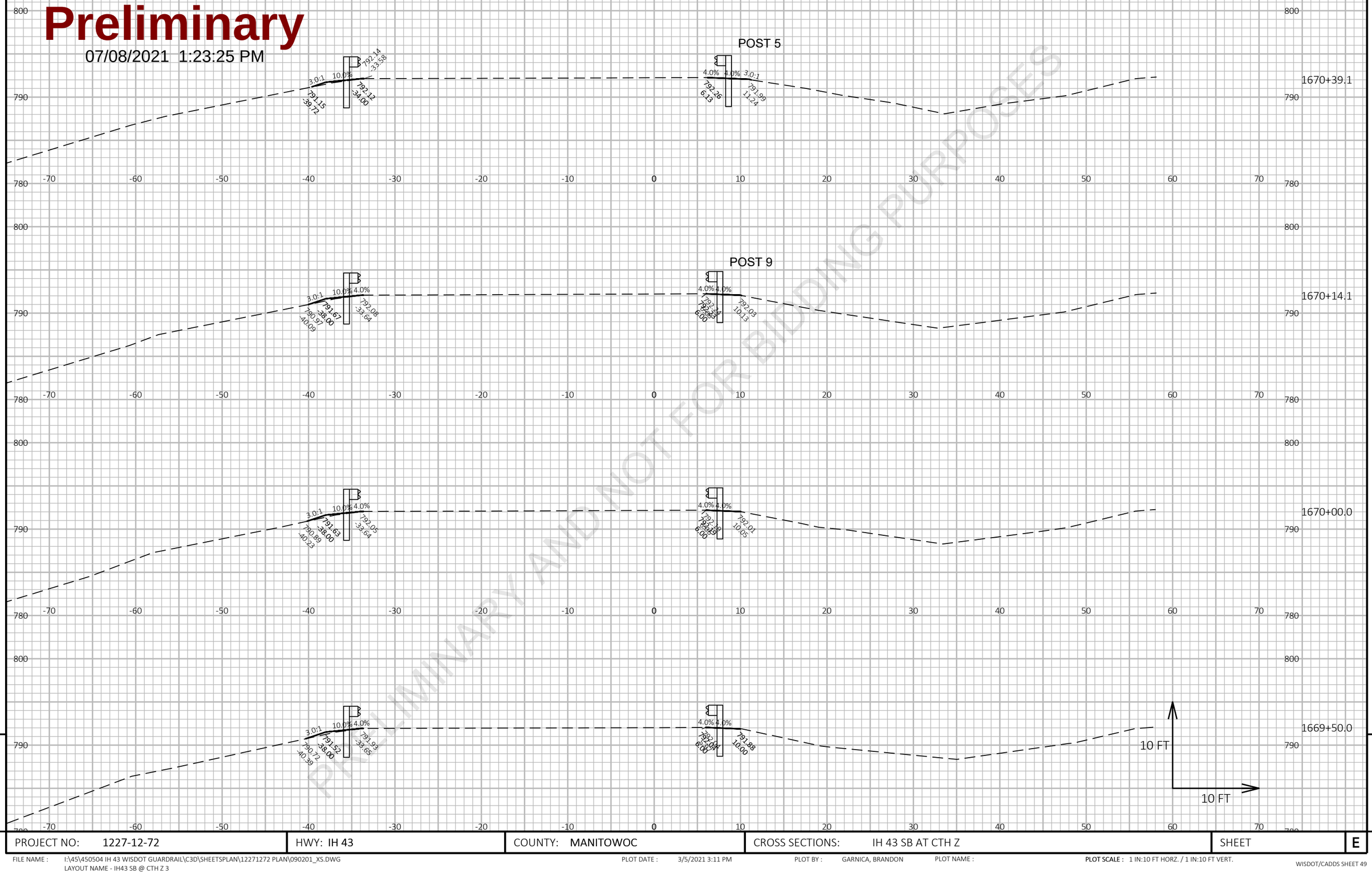
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH Z 2

PLOT DATE : 3/5/2021 3:11 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:25 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH Z 3

PLOT DATE : 3/5/2021 3:11 PM

PLOT BY : GARNICA, BRANDON

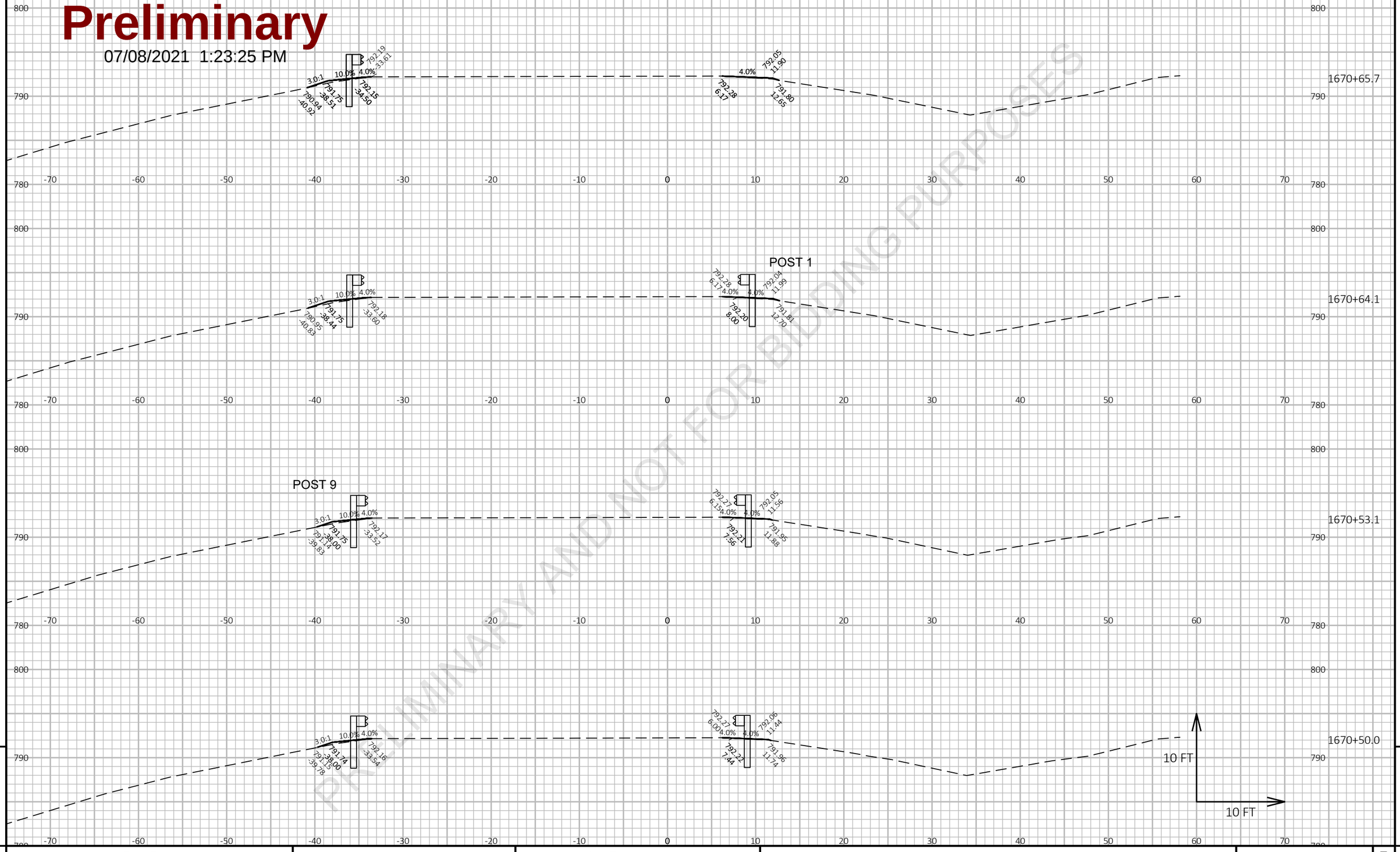
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:25 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH Z 4

PLOT DATE : 3/5/2021 3:12 PM

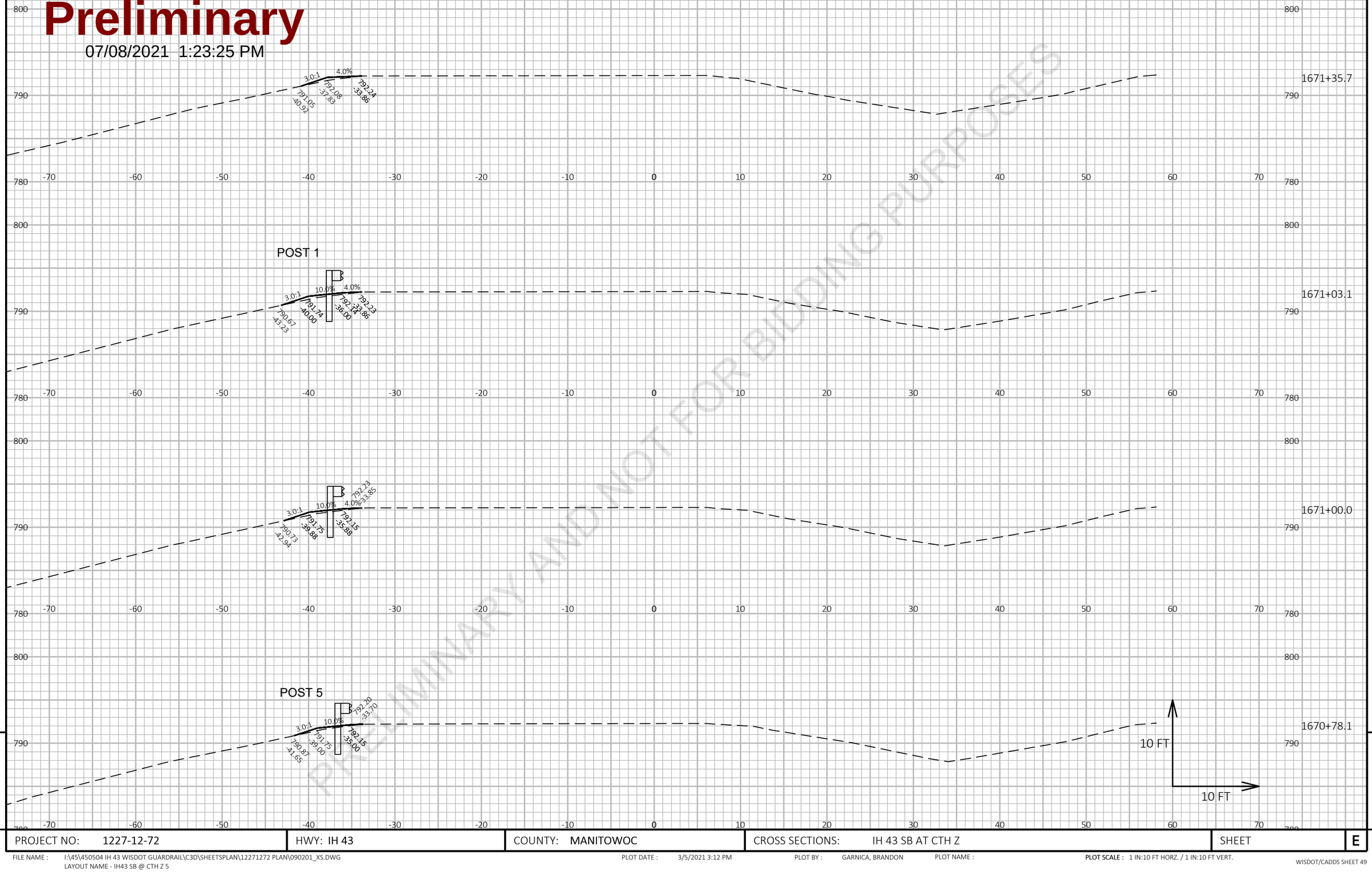
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:25 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH Z 5

PLOT DATE : 3/5/2021 3:12 PM

PLOT BY : GARNICA, BRANDON

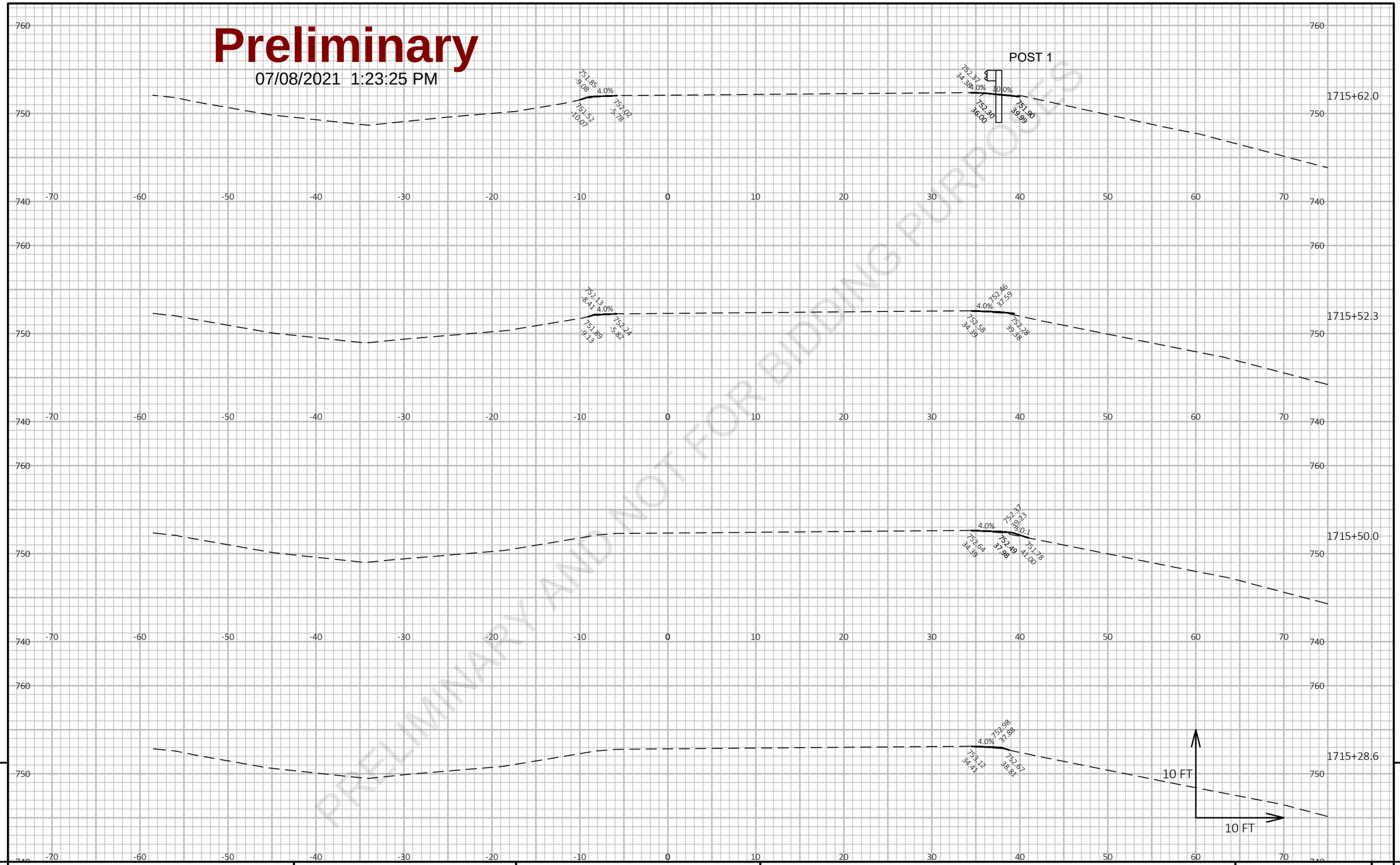
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:25 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

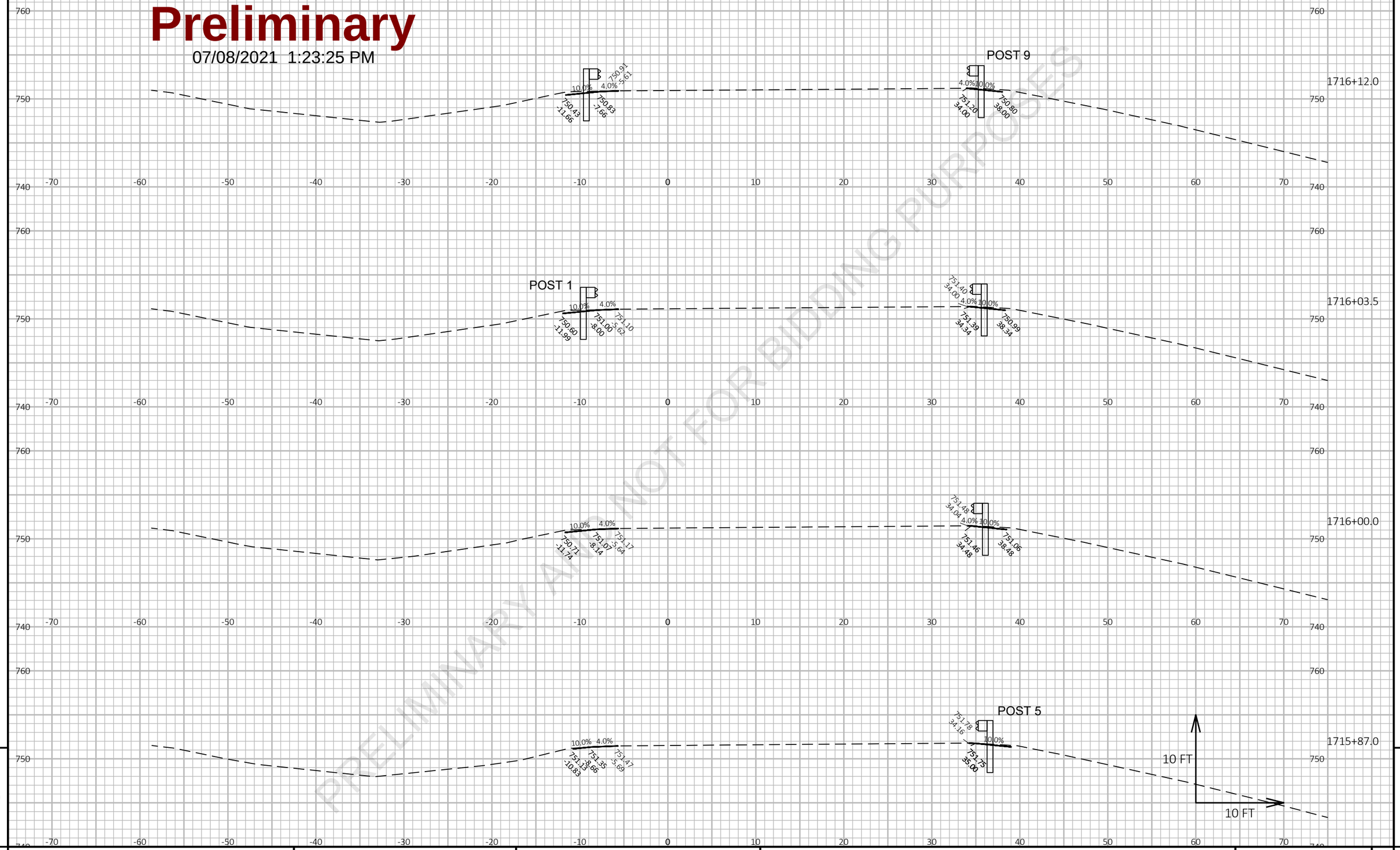
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT SCHLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Schley 1

PLOT DATE : 3/5/2021 3:13 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:25 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT SCHLEY ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Schley 2

PLOT DATE : 3/5/2021 3:13 PM

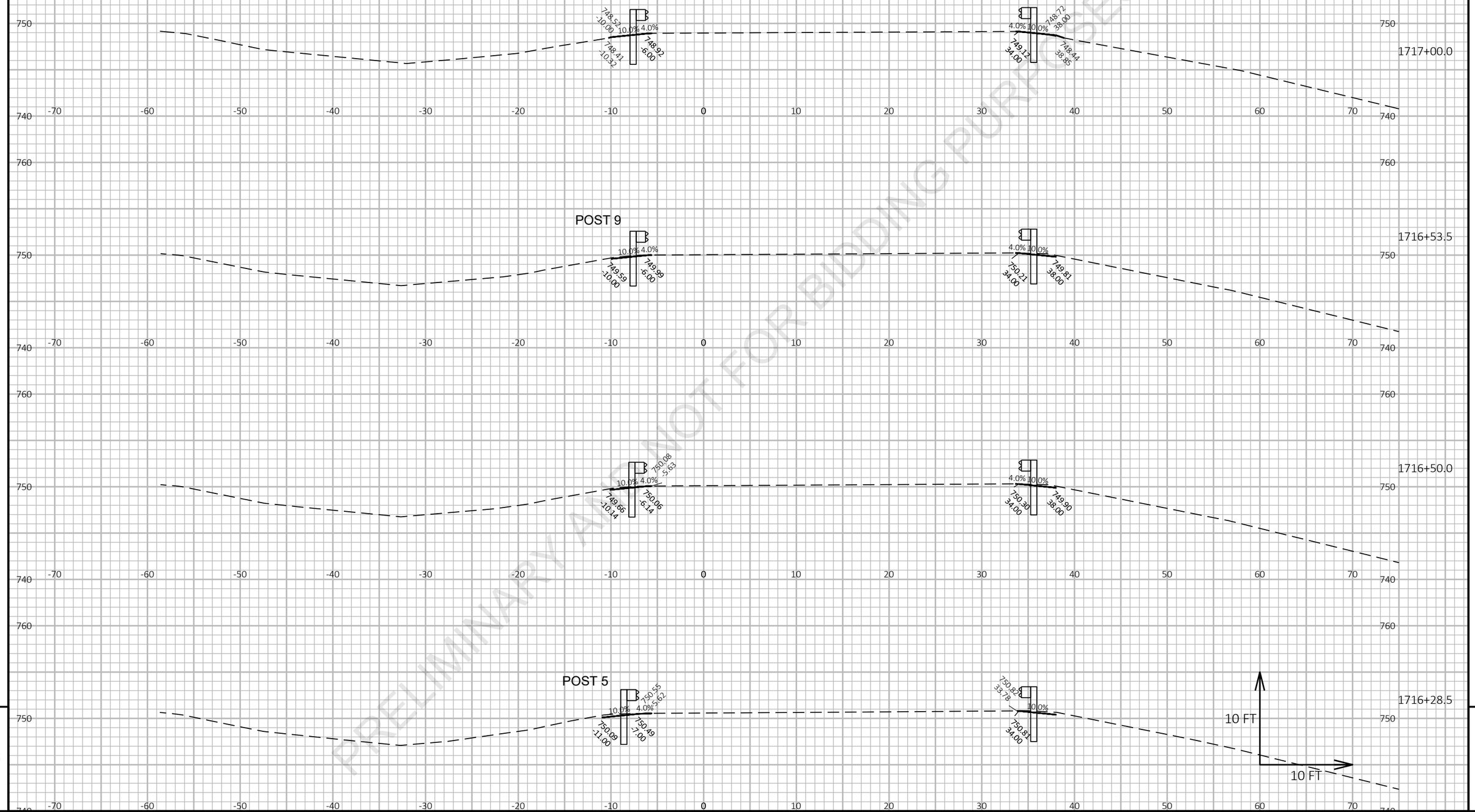
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:26 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT SCHLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Schley 3

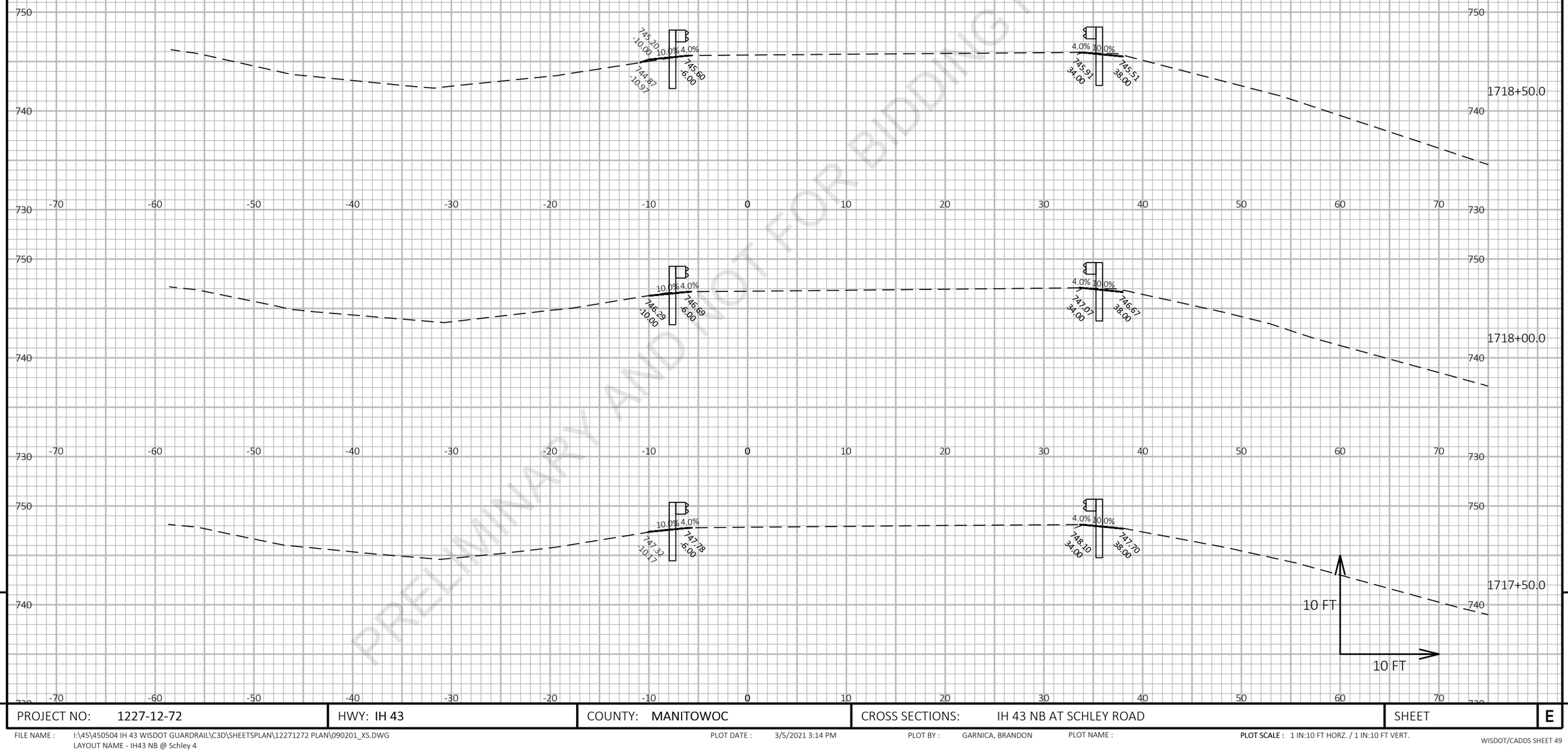
PLOT DATE : 3/5/2021 3:13 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:26 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT SCHLEY ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Schley 4

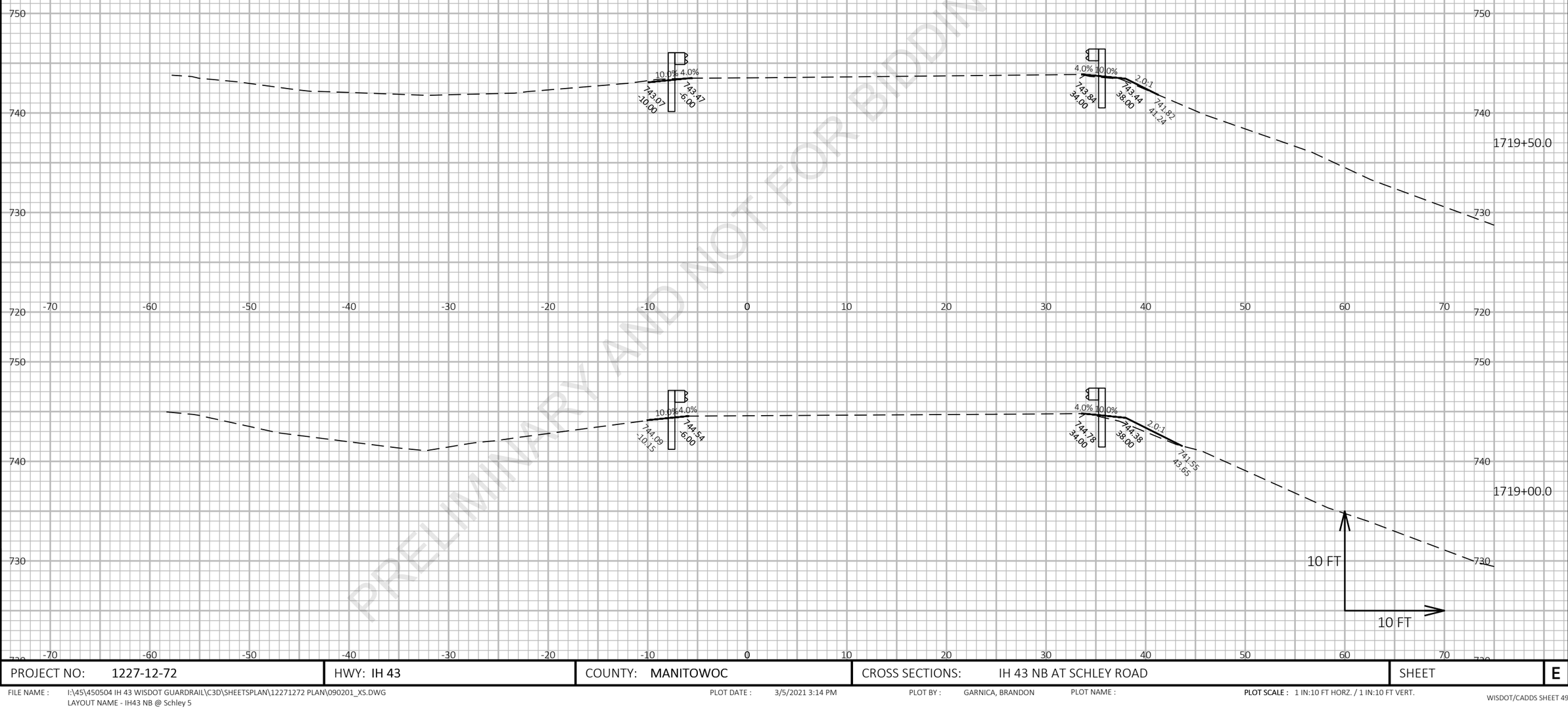
PLOT DATE : 3/5/2021 3:14 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:26 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT SCHLEY ROAD	SHEET	E

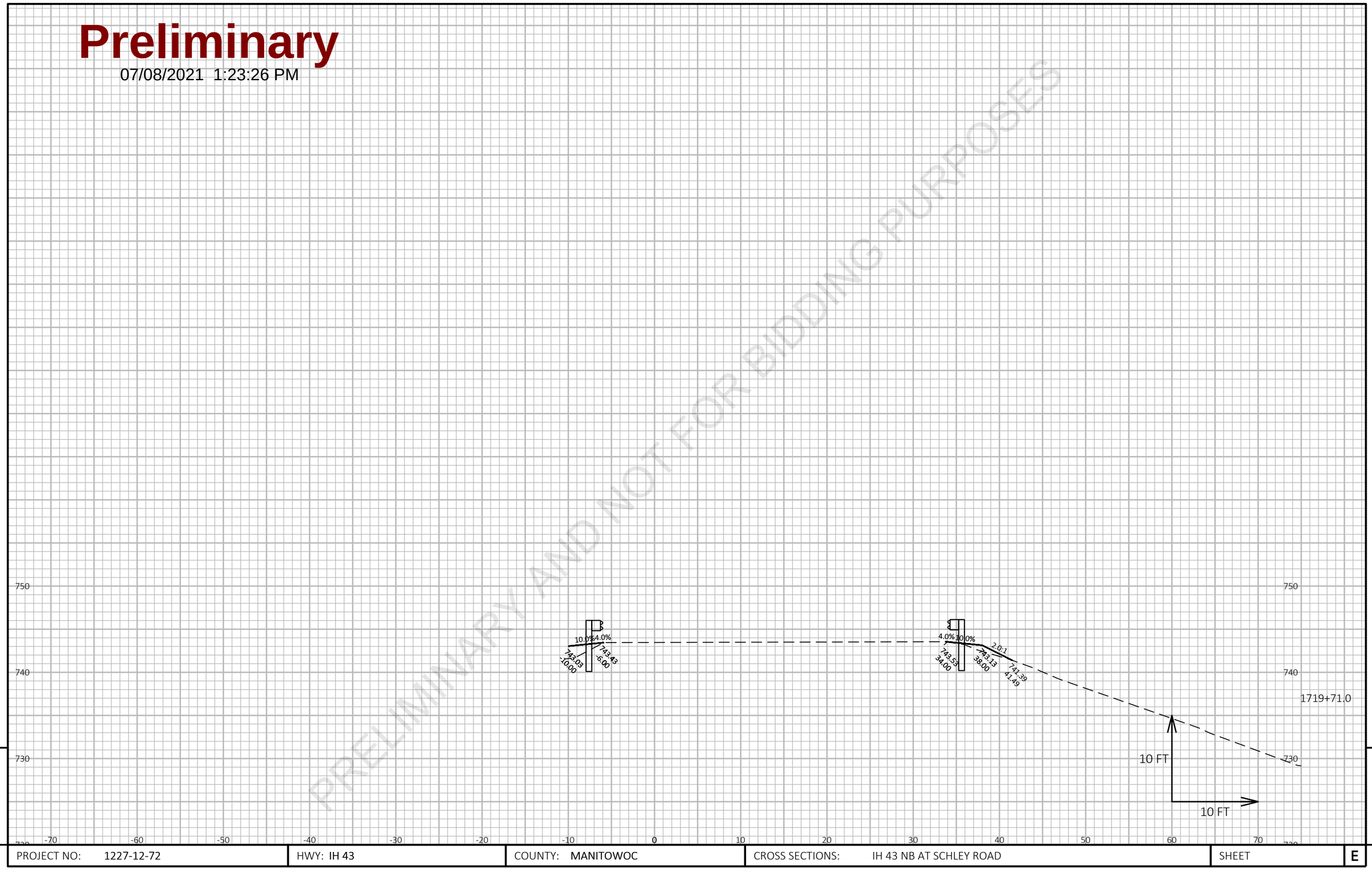
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Schley 5

PLOT DATE : 3/5/2021 3:14 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:26 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT SCHLEY ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Schley 6

PLOT DATE : 3/5/2021 3:15 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:27 PM

FOR BIDDING PURPOSES
PRELIMINARY AND NOT FOR

1722+50.0

1722+00.0

1721+50.0

1721+02.0

10 FT

10 FT

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT SCHLEY ROAD	SHEET E

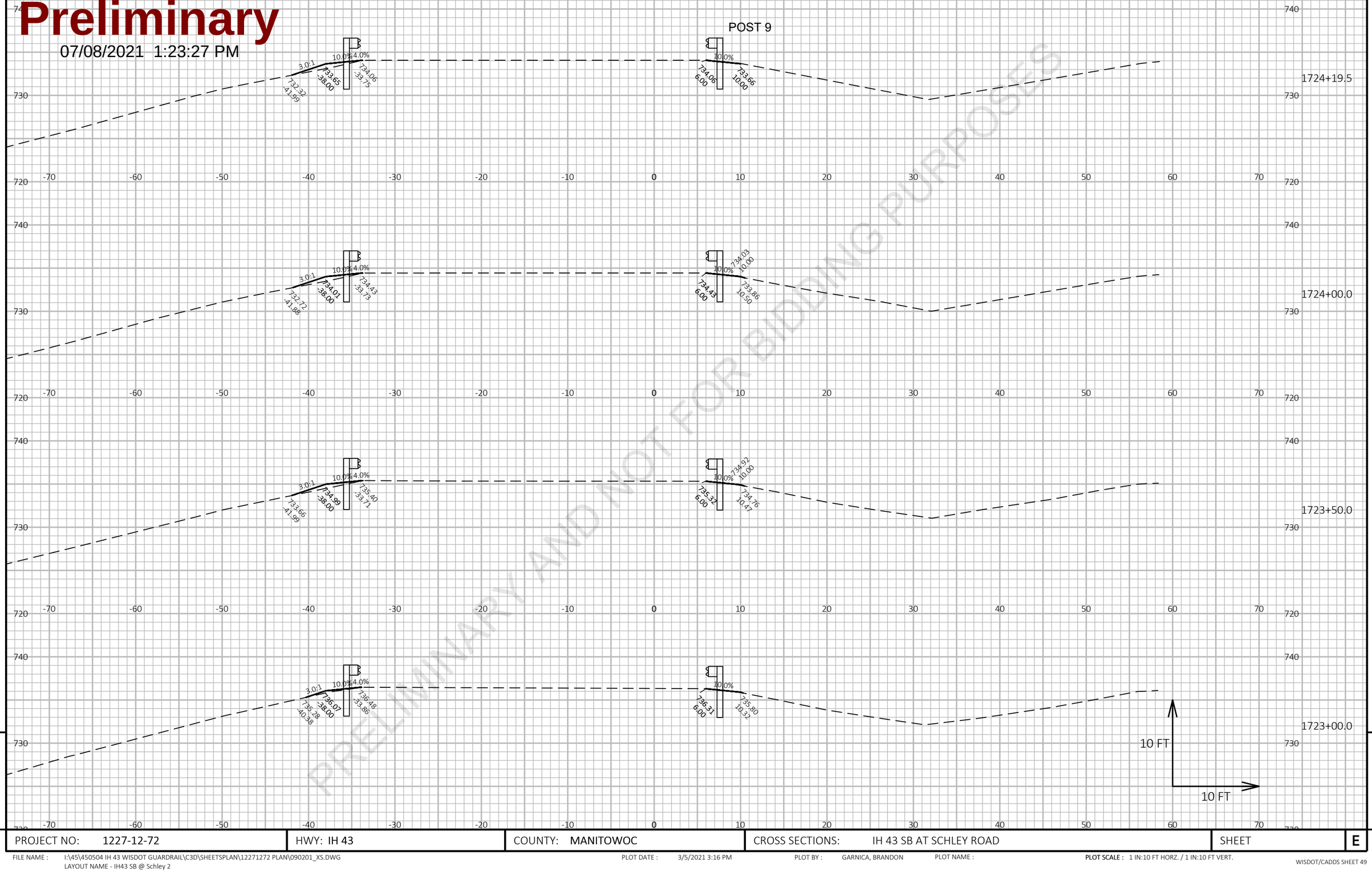
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Schley 1

PLOT DATE : 3/5/2021 3:15 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:27 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT SCHLEY ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Schley 2

PLOT DATE : 3/5/2021 3:16 PM

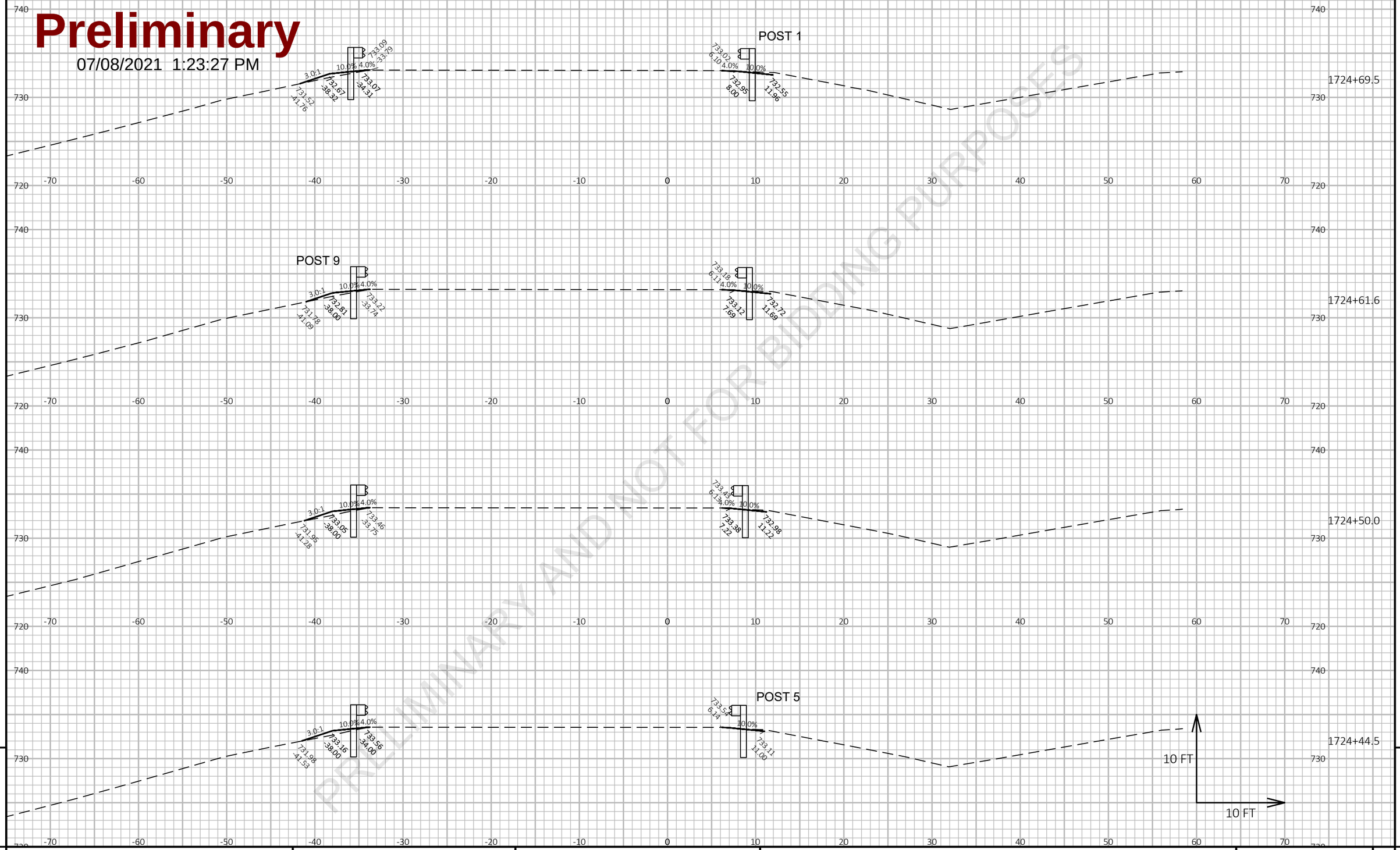
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:27 PM



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT SCHLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Schley 3

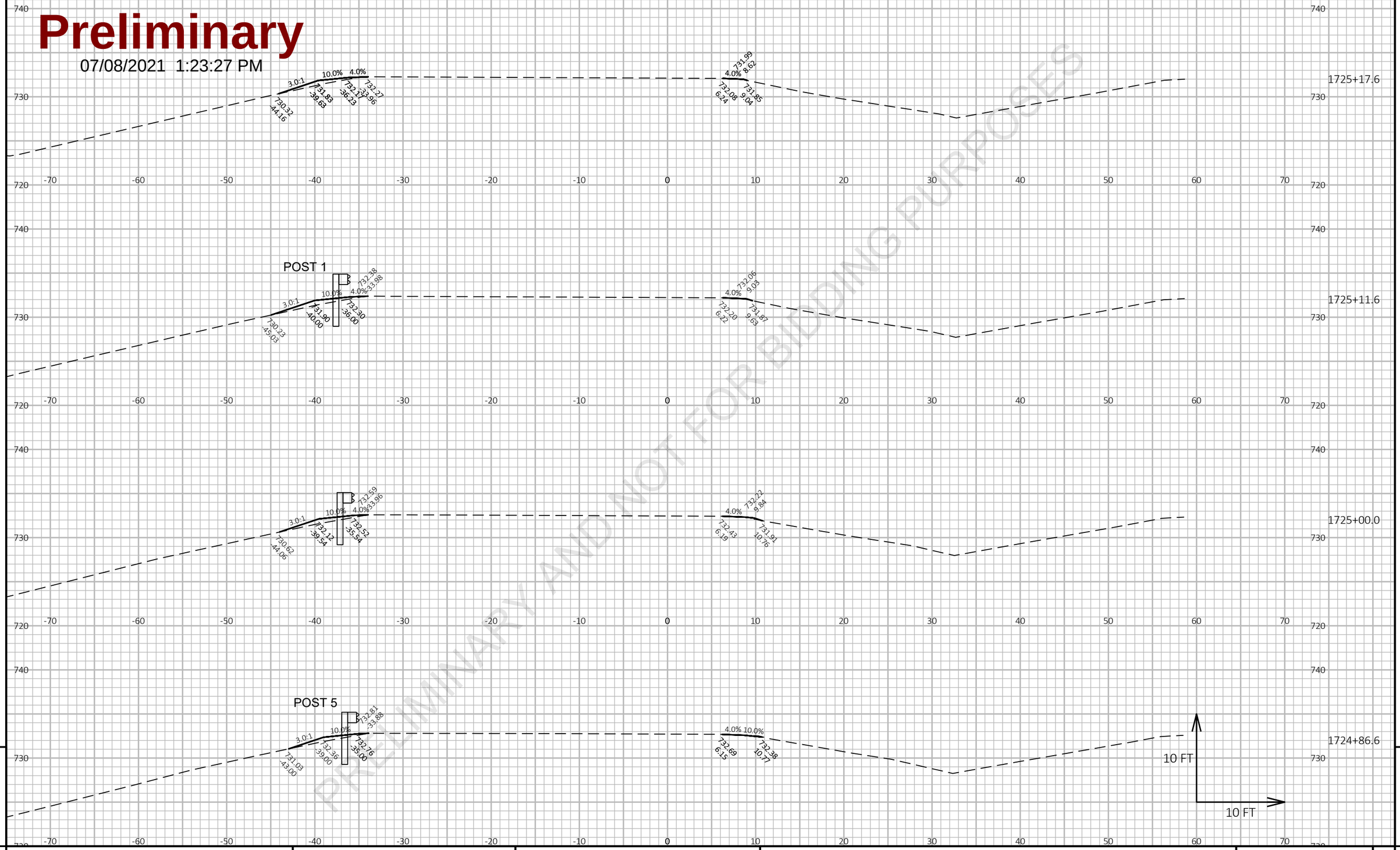
PLOT DATE : 3/5/2021 3:16 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:27 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT SCHLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Schley 4

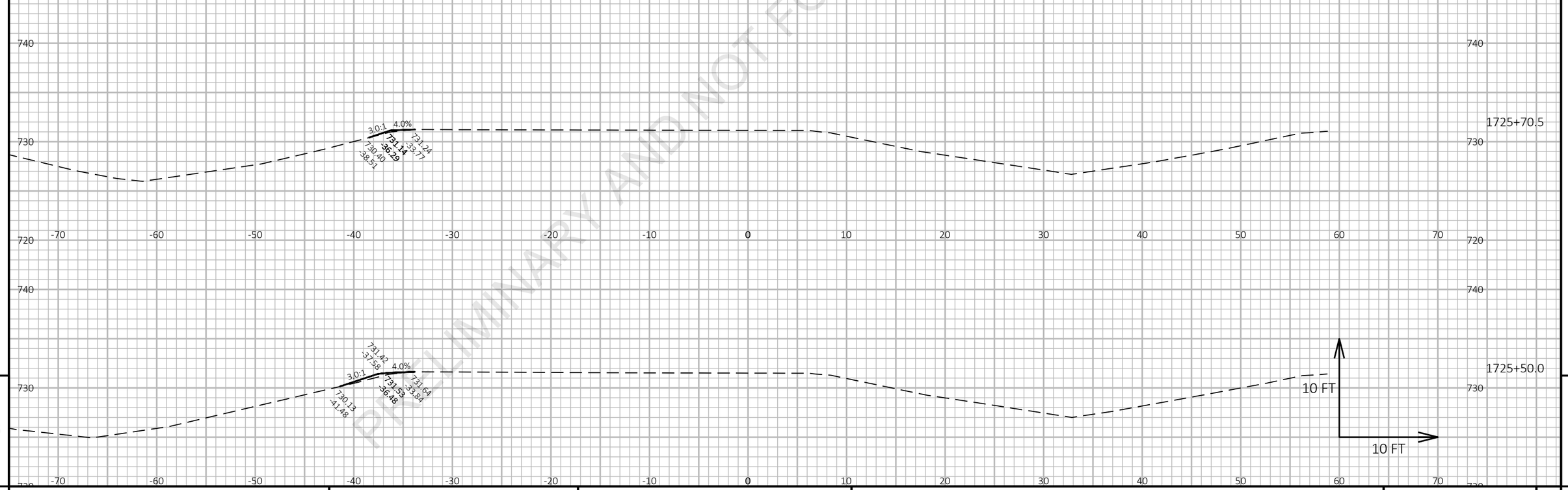
PLOT DATE : 3/5/2021 3:17 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:27 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

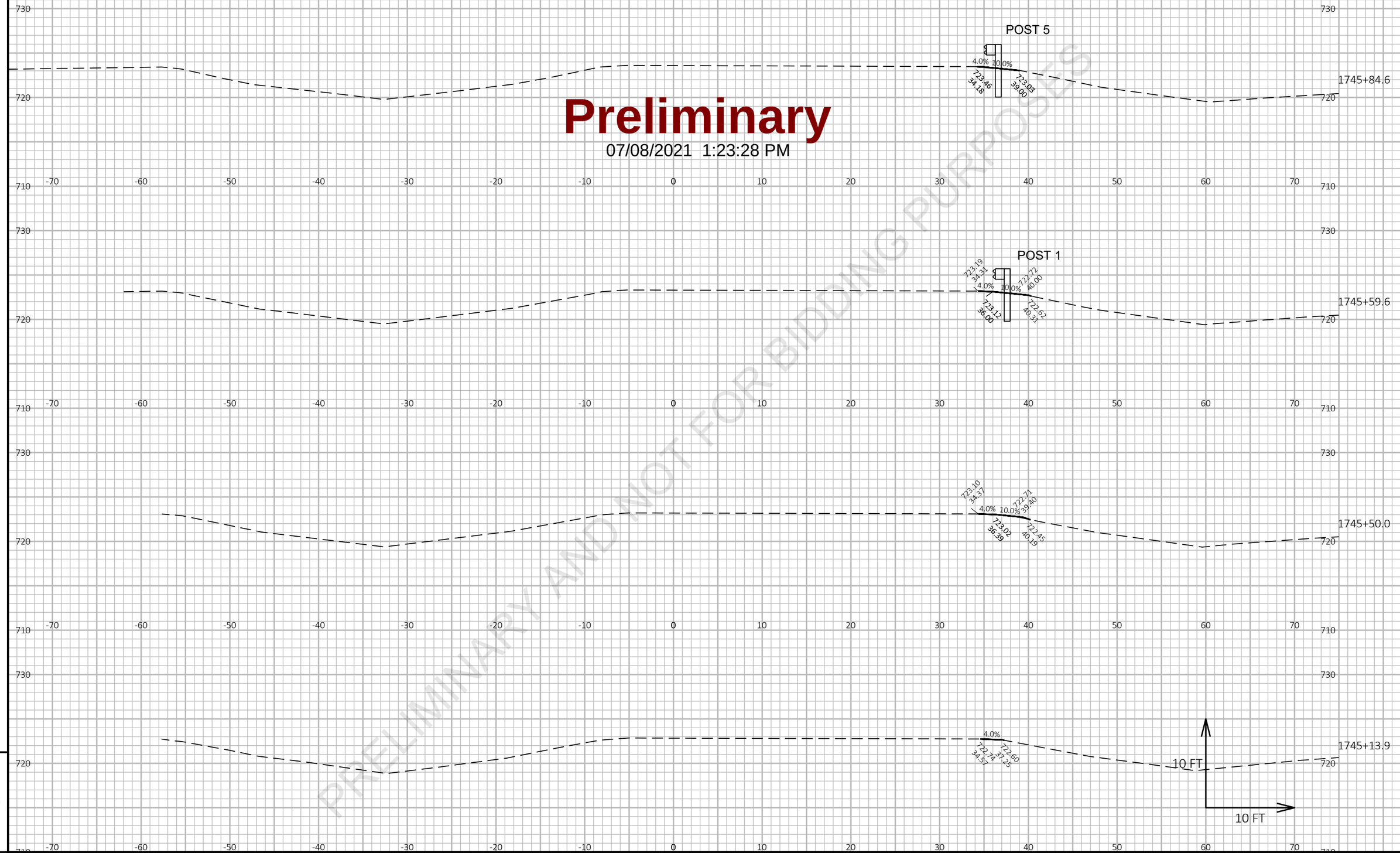
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT SCHLEY ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Schley 5

PLOT DATE : 3/5/2021 3:17 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary
07/08/2021 1:23:28 PM
PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

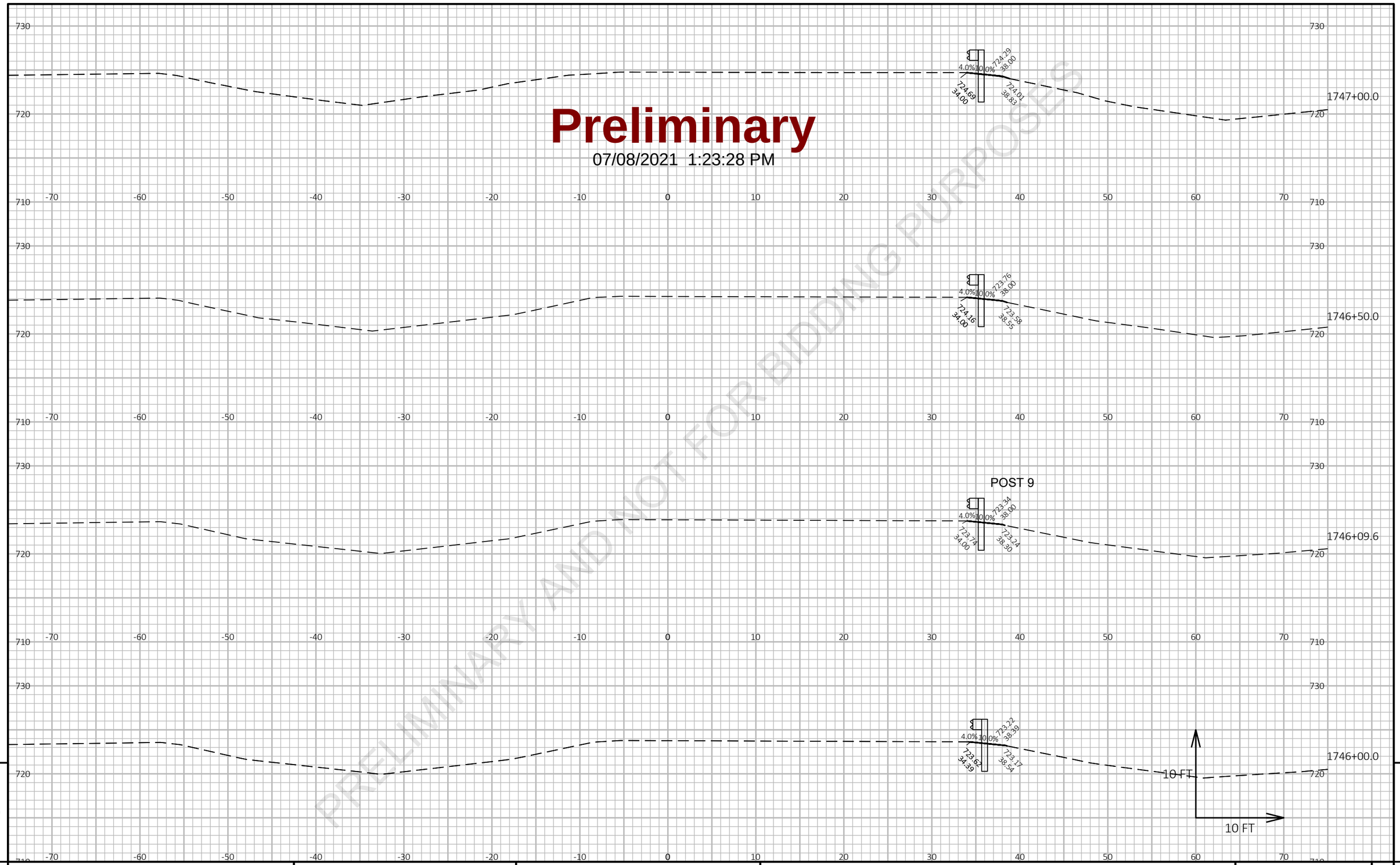
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 1

PLOT DATE : 3/5/2021 3:17 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:28 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

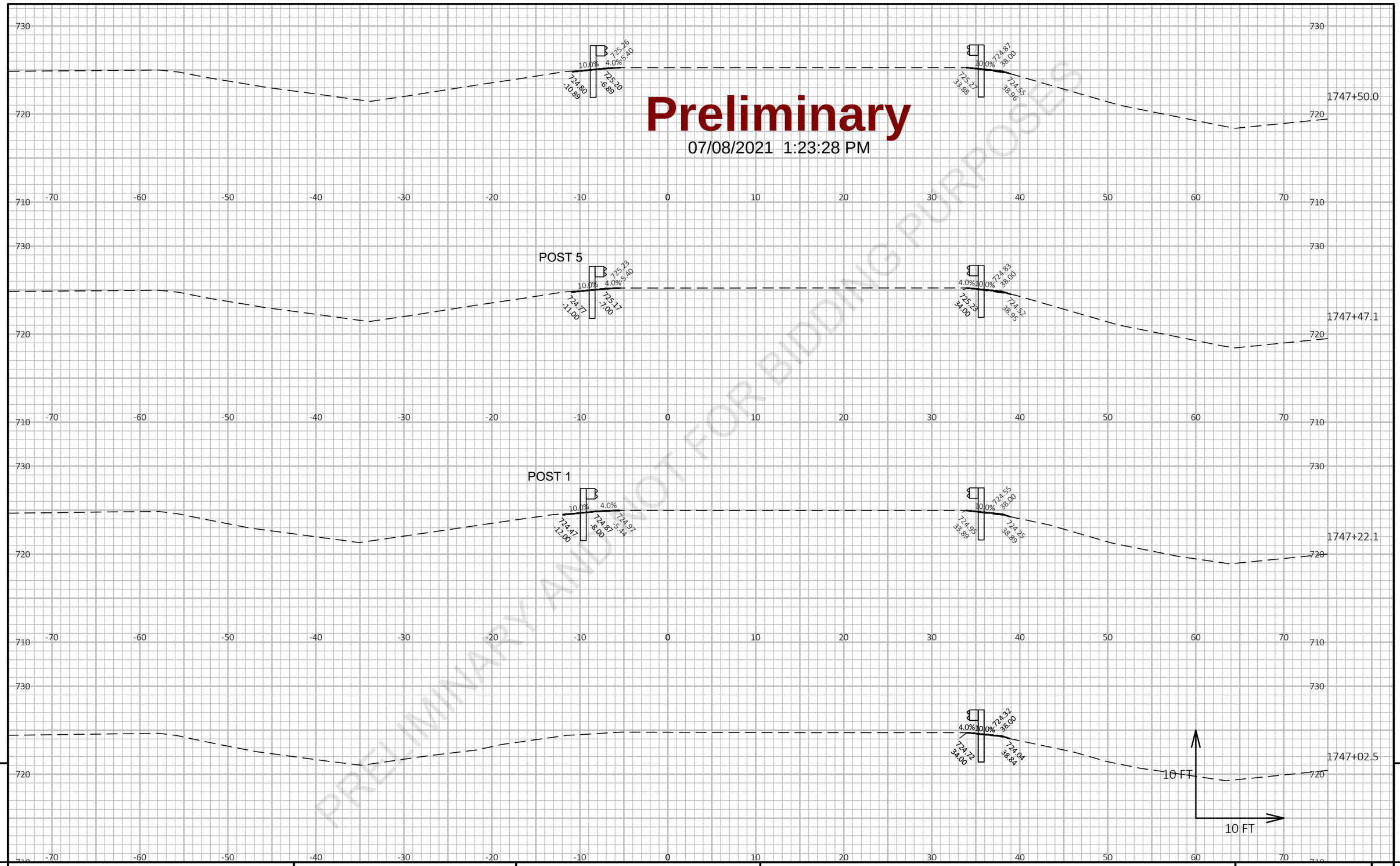
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 2

PLOT DATE : 3/5/2021 3:18 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary
07/08/2021 1:23:28 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET E

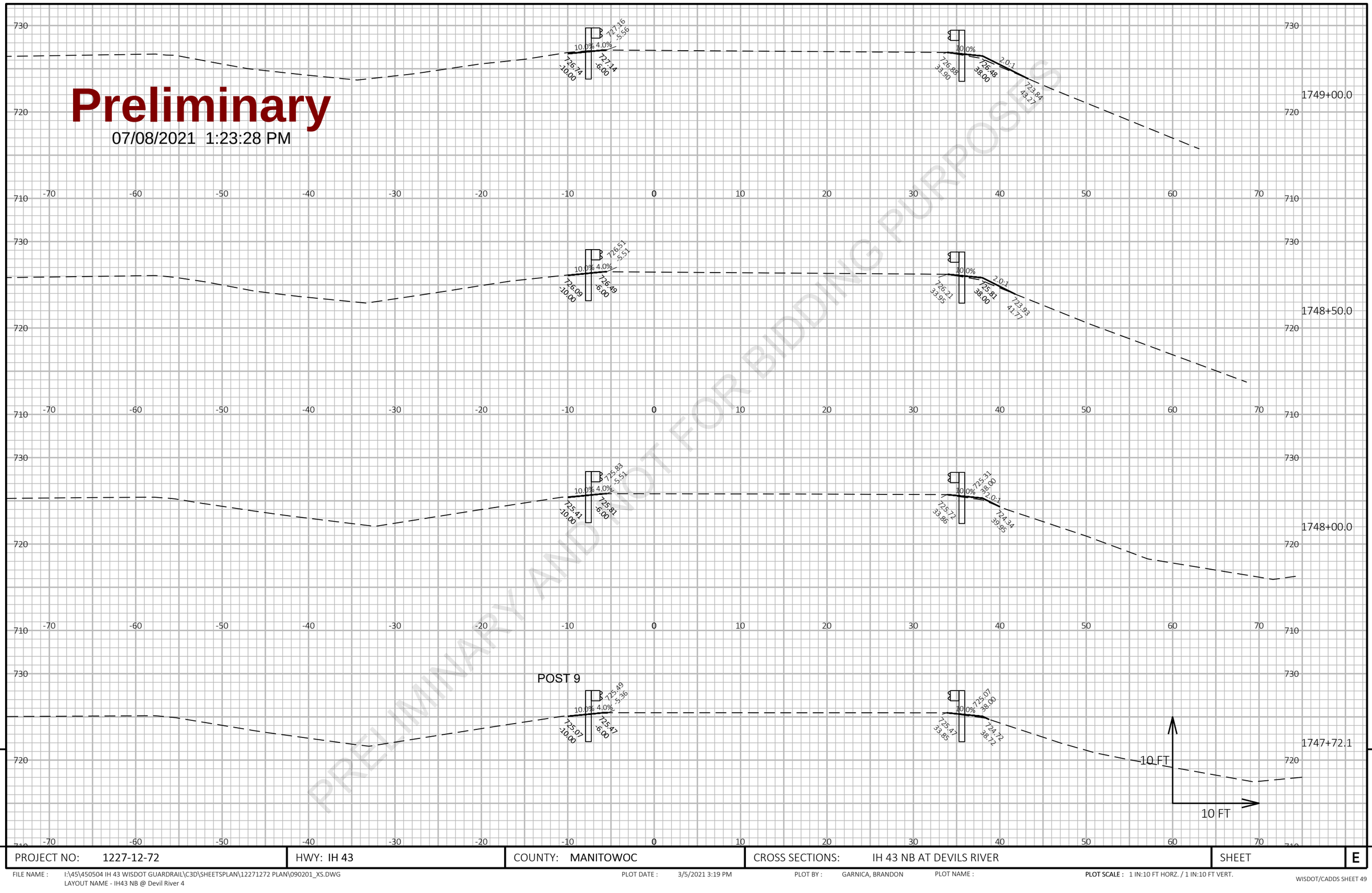
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 3

PLOT DATE : 3/5/2021 3:18 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:28 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

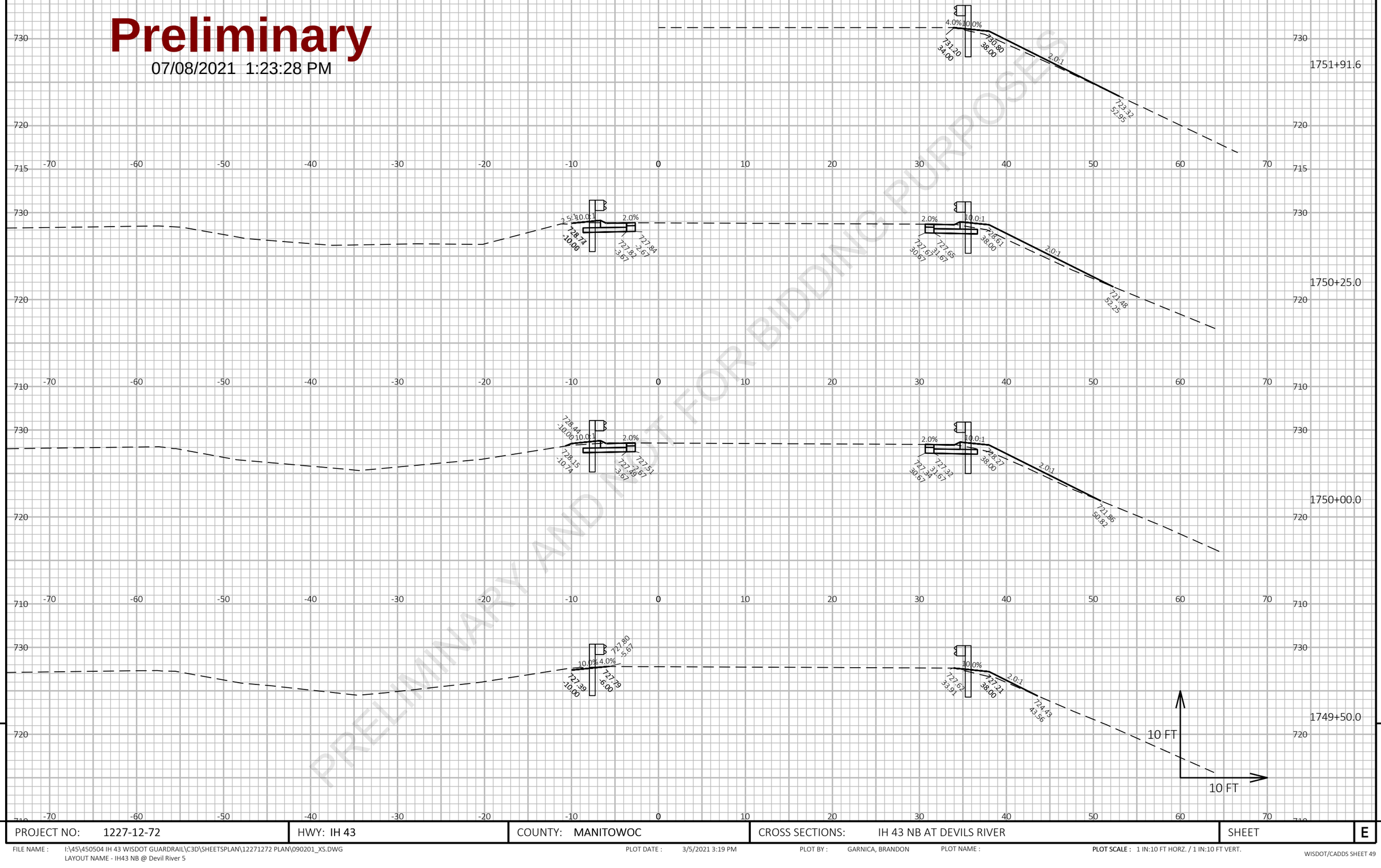
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 4

PLOT DATE : 3/5/2021 3:19 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:28 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 5

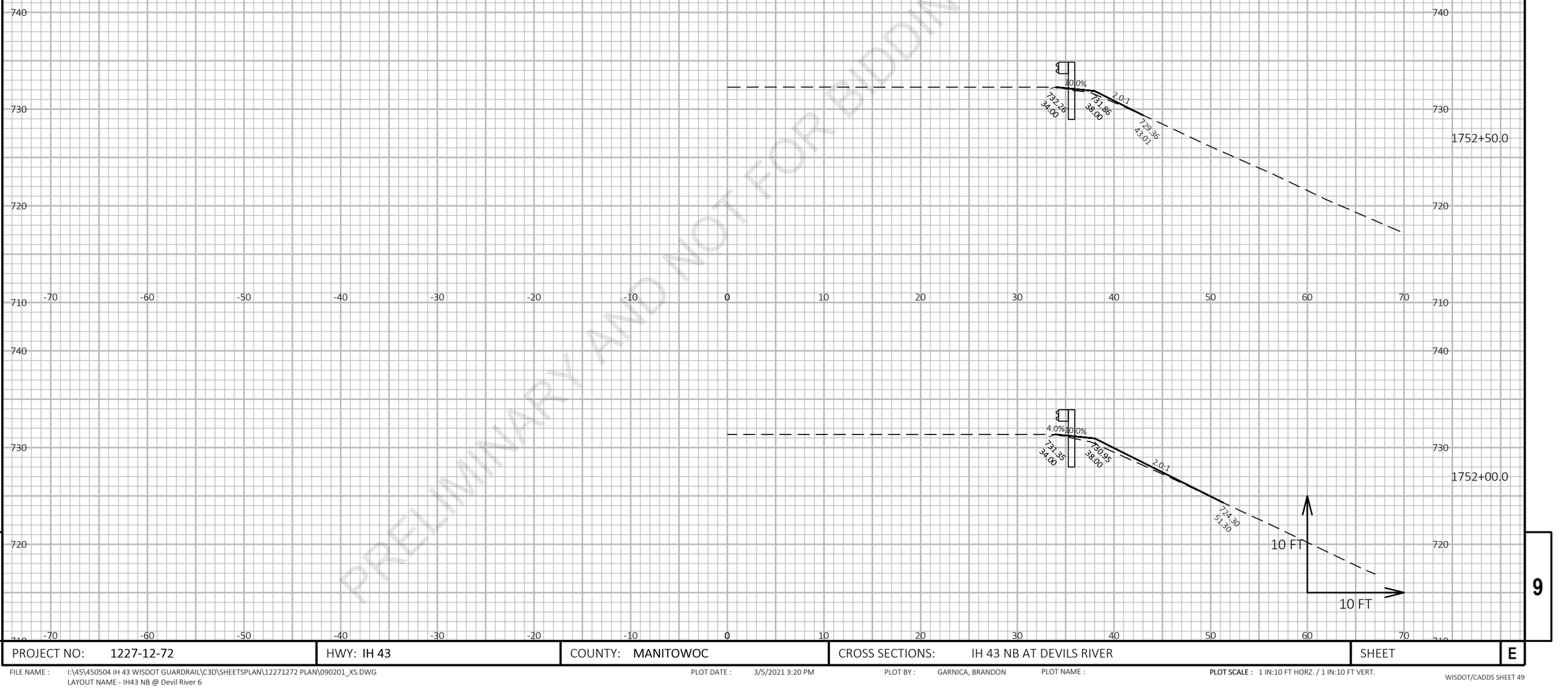
PLOT DATE : 3/5/2021 3:19 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:29 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 6

PLOT DATE : 3/5/2021 3:20 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:29 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

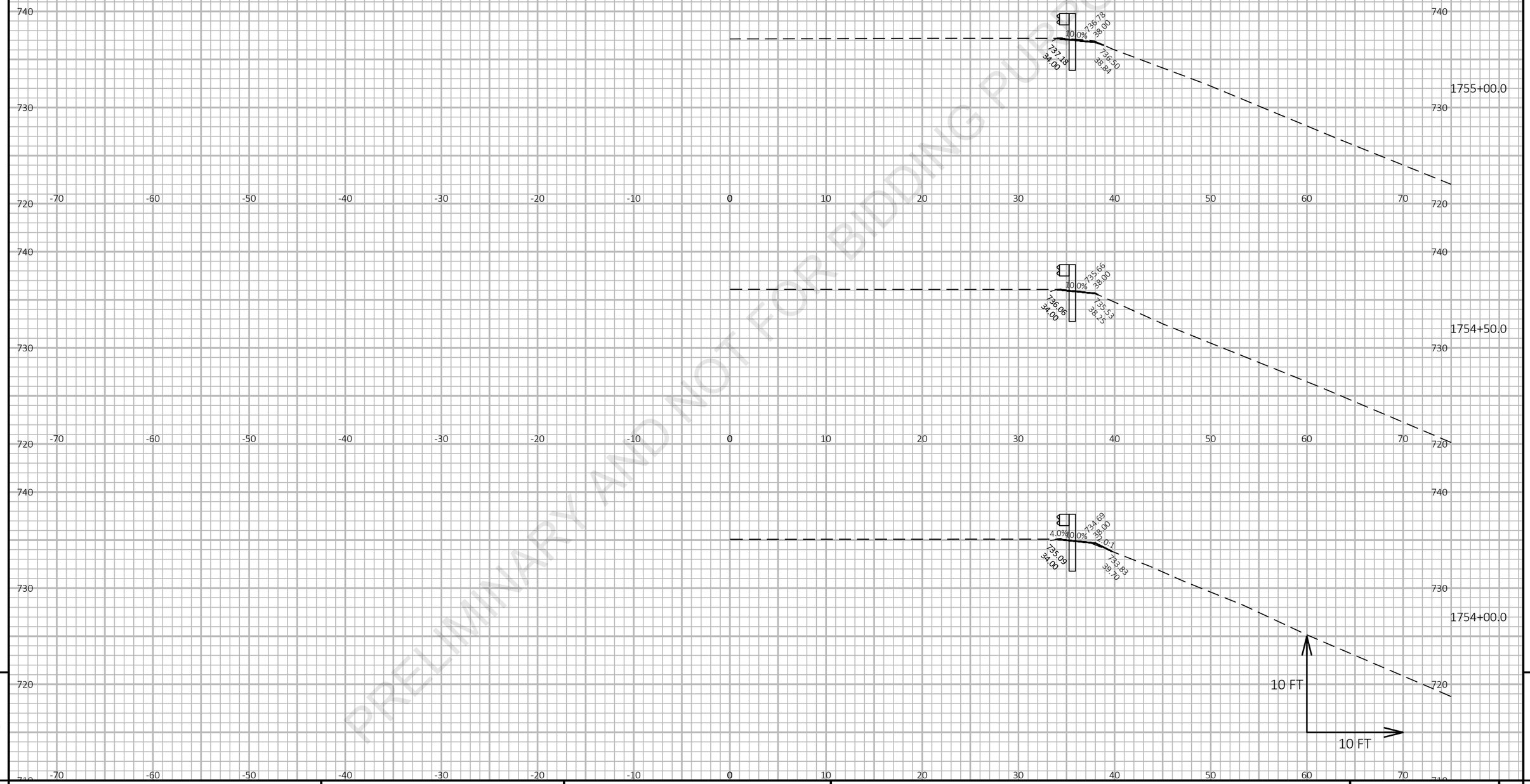
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 7

PLOT DATE : 3/5/2021 3:20 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:29 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

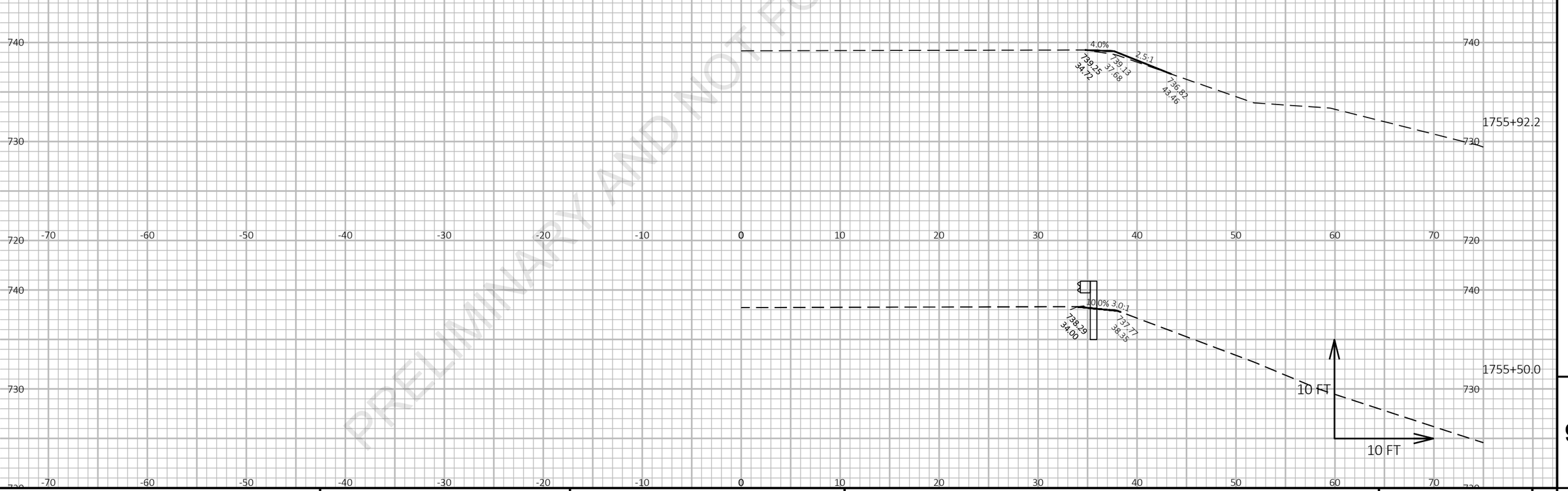
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 8

PLOT DATE : 3/5/2021 3:20 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:29 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



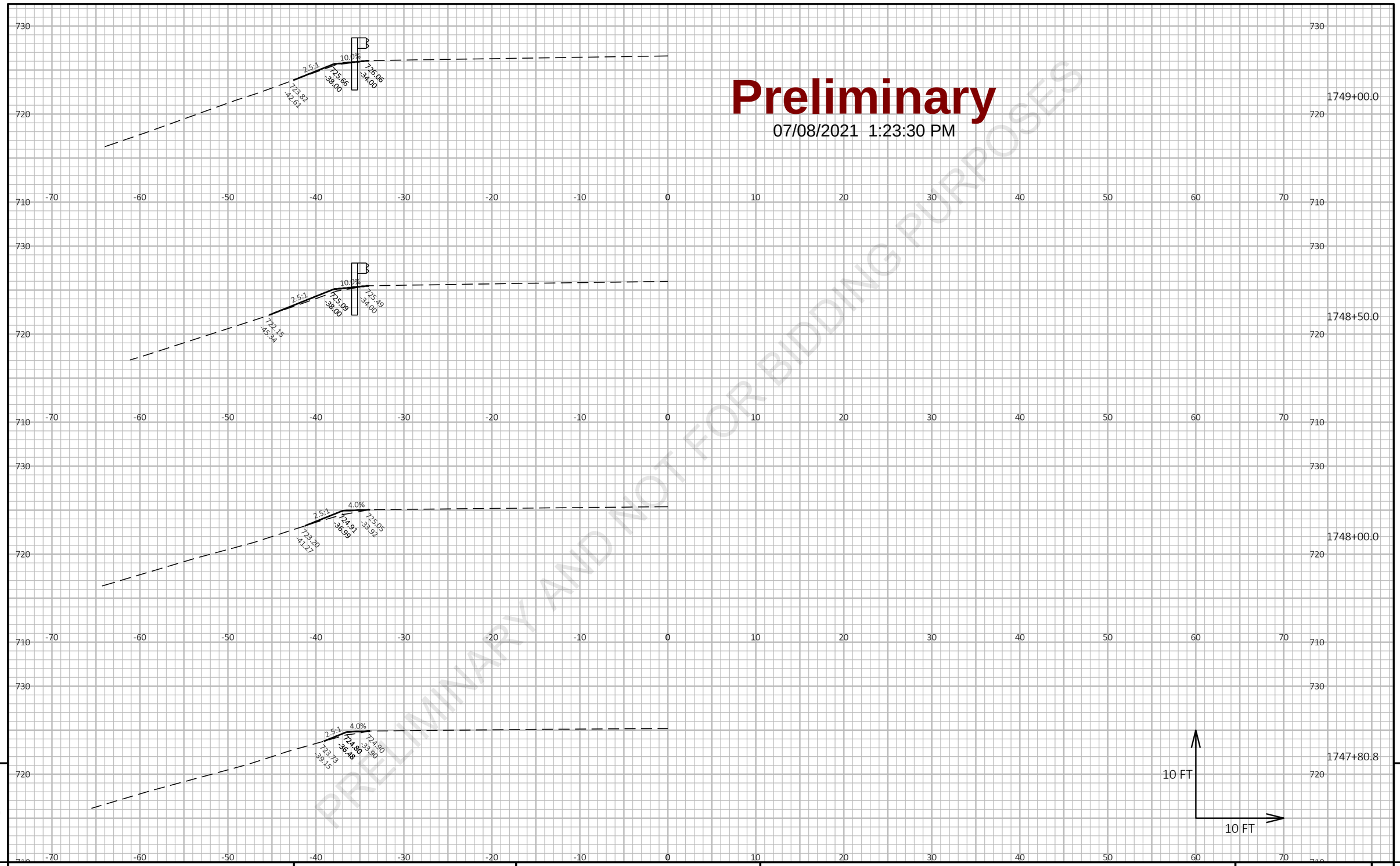
9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River 9

PLOT DATE : 3/5/2021 3:21 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

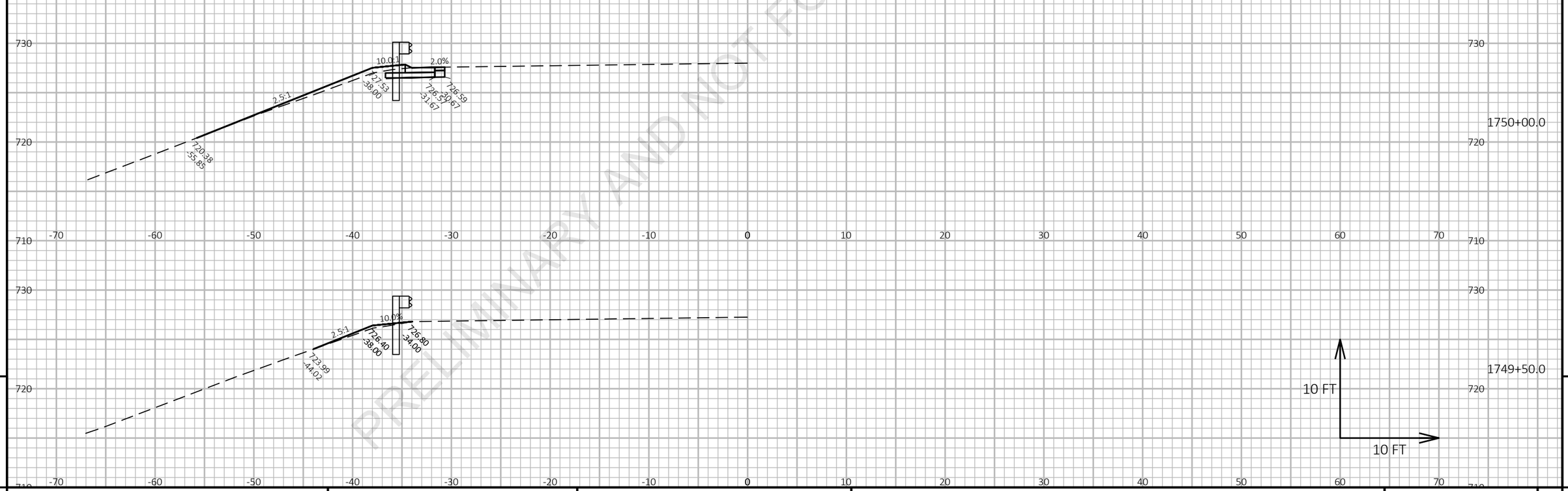
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 1
PLOT DATE : 3/5/2021 3:21 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:30 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 2

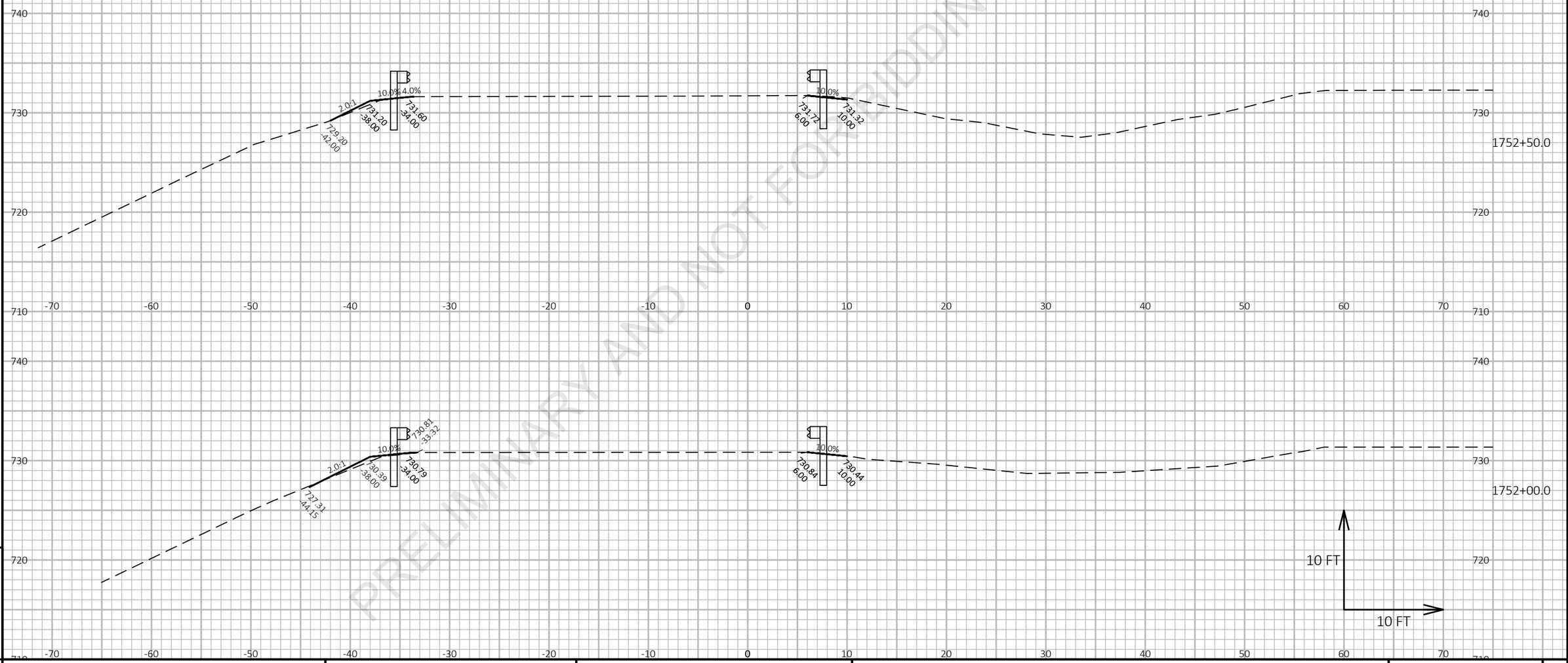
PLOT DATE : 3/5/2021 3:22 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:30 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 3

PLOT DATE : 3/5/2021 3:22 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:30 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 4

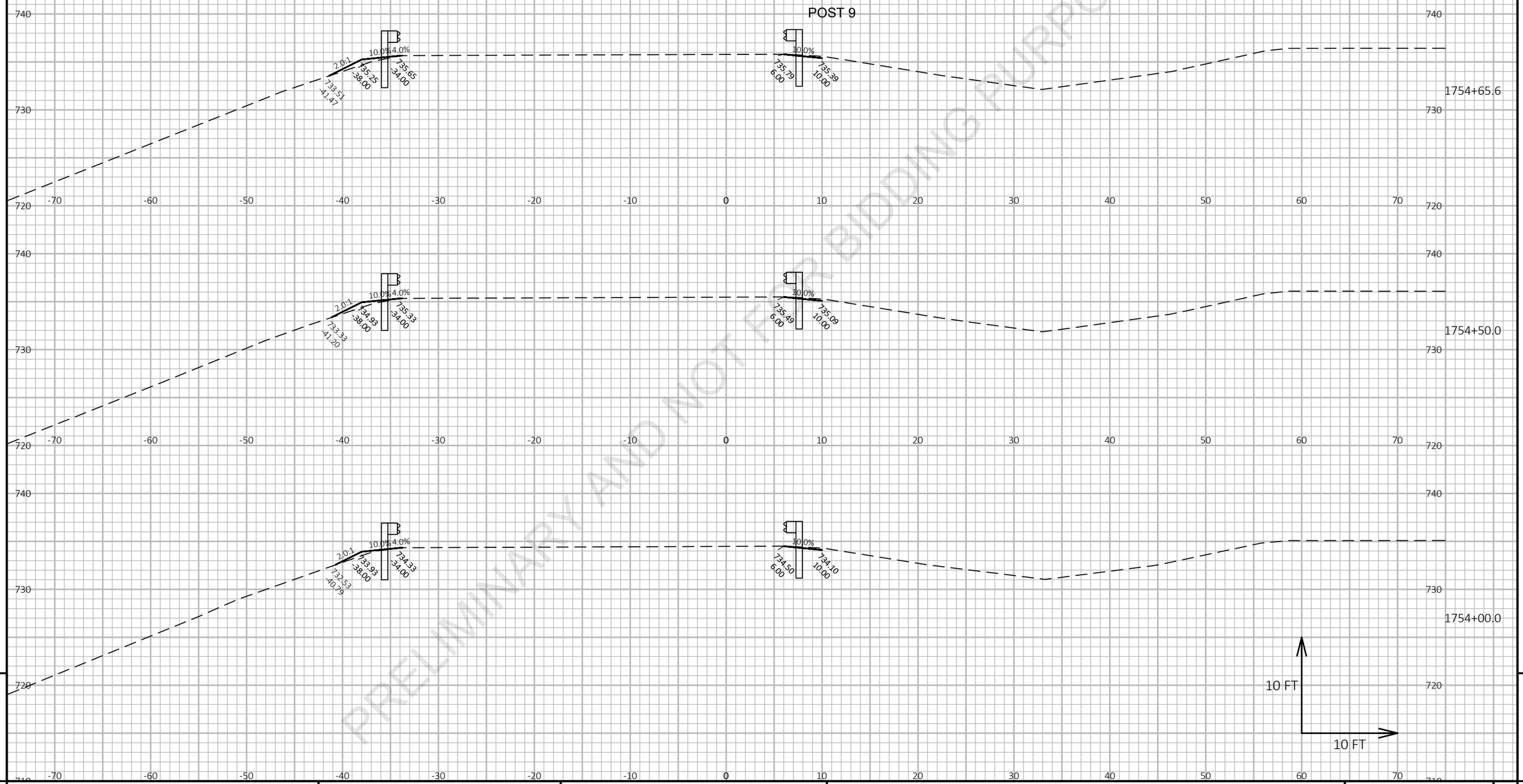
PLOT DATE : 3/5/2021 3:23 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:30 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

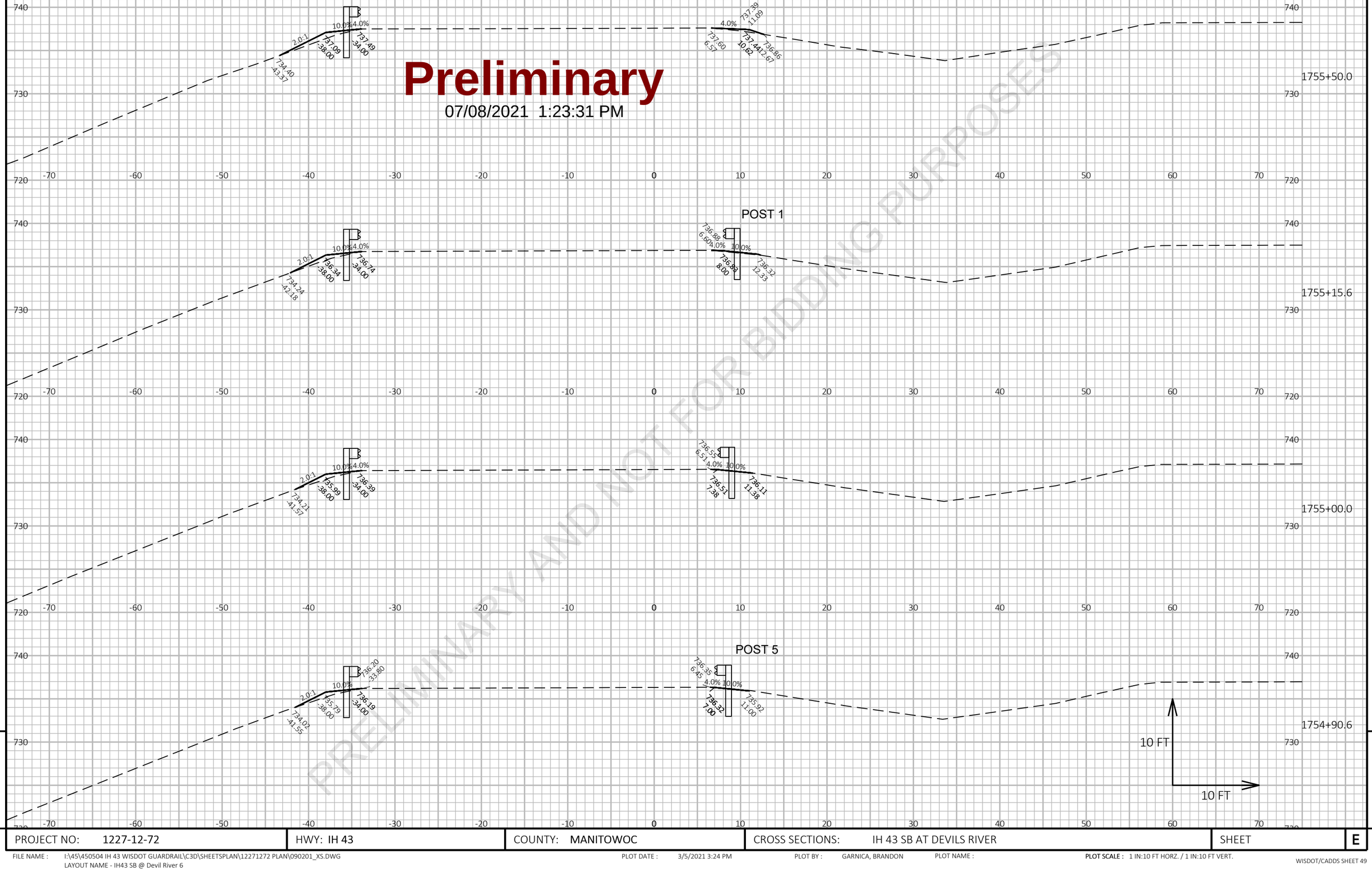
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 5

PLOT DATE : 3/5/2021 3:23 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:31 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 6

PLOT DATE : 3/5/2021 3:24 PM

PLOT BY : GARNICA, BRANDON

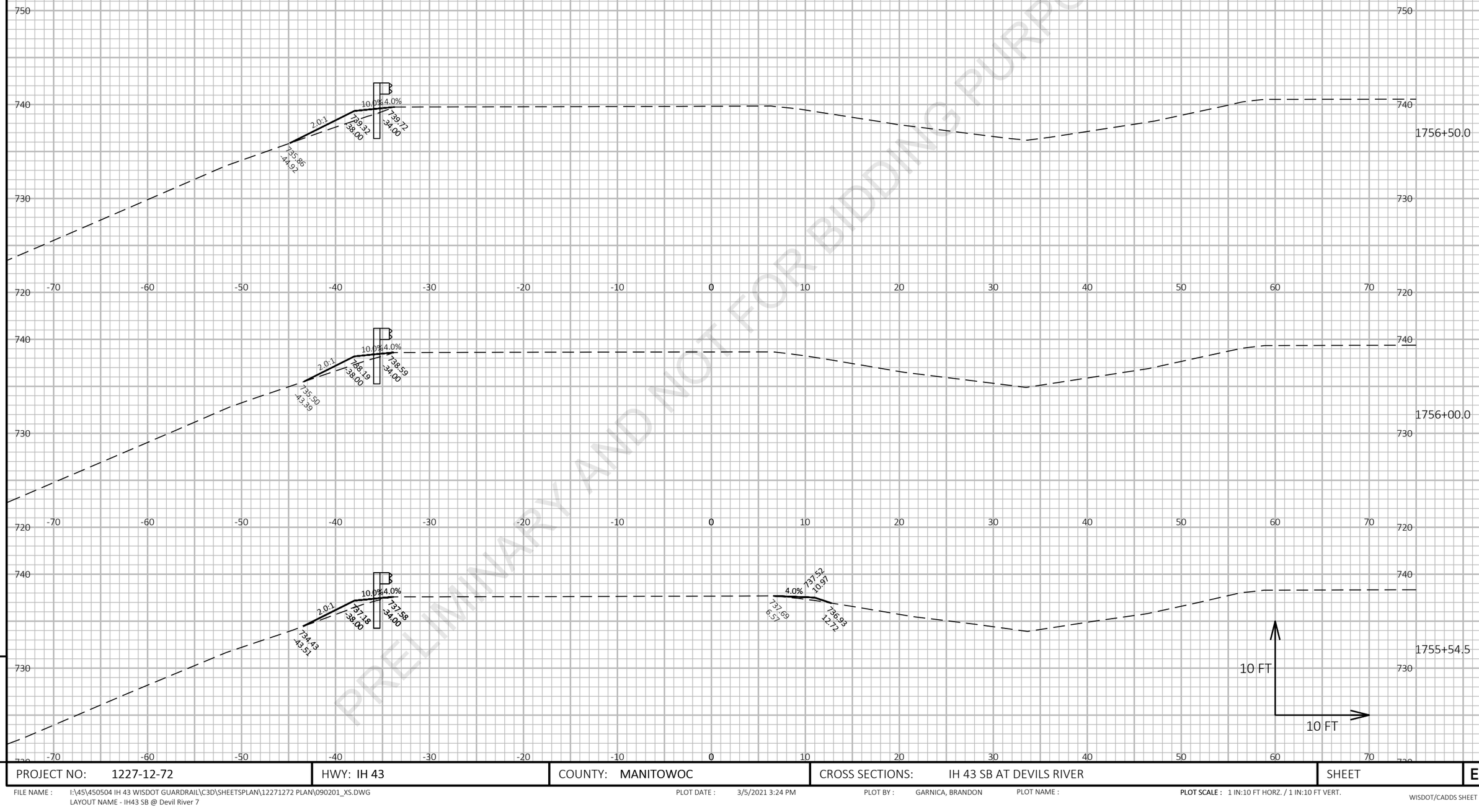
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:31 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

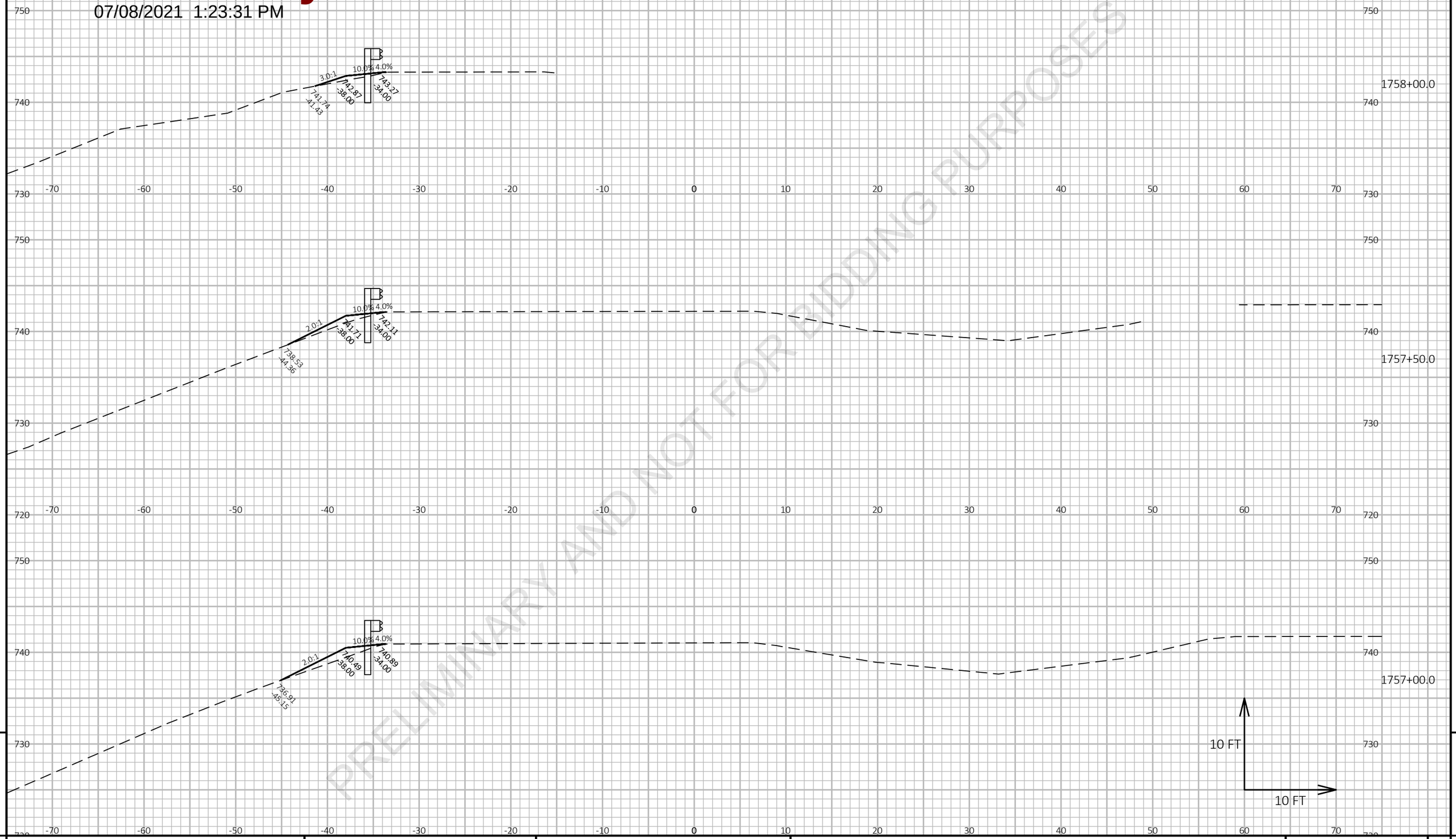
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 7

PLOT DATE : 3/5/2021 3:24 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:31 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET E

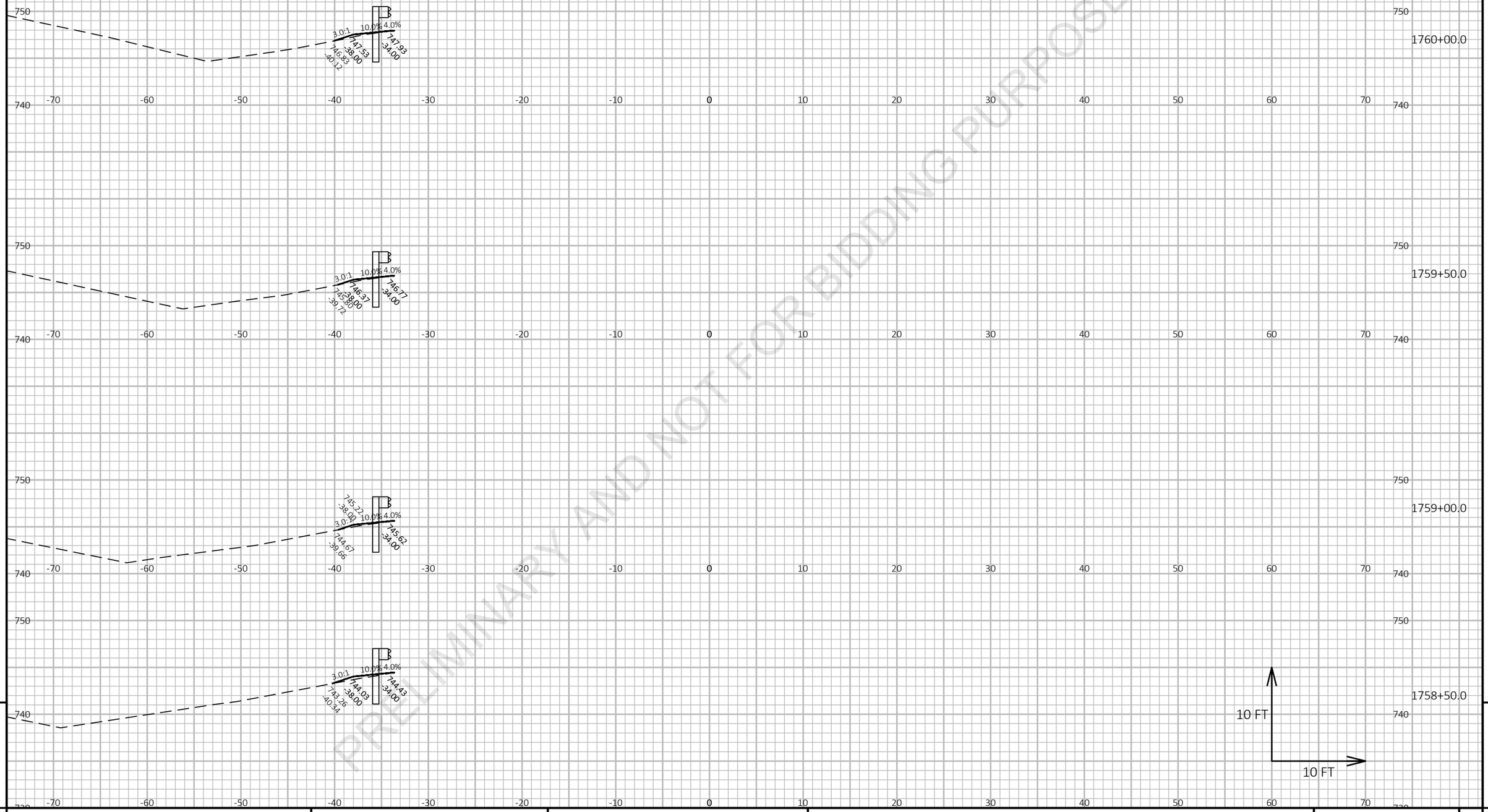
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 8

PLOT DATE : 3/5/2021 3:24 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:31 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 9

PLOT DATE : 3/5/2021 3:25 PM

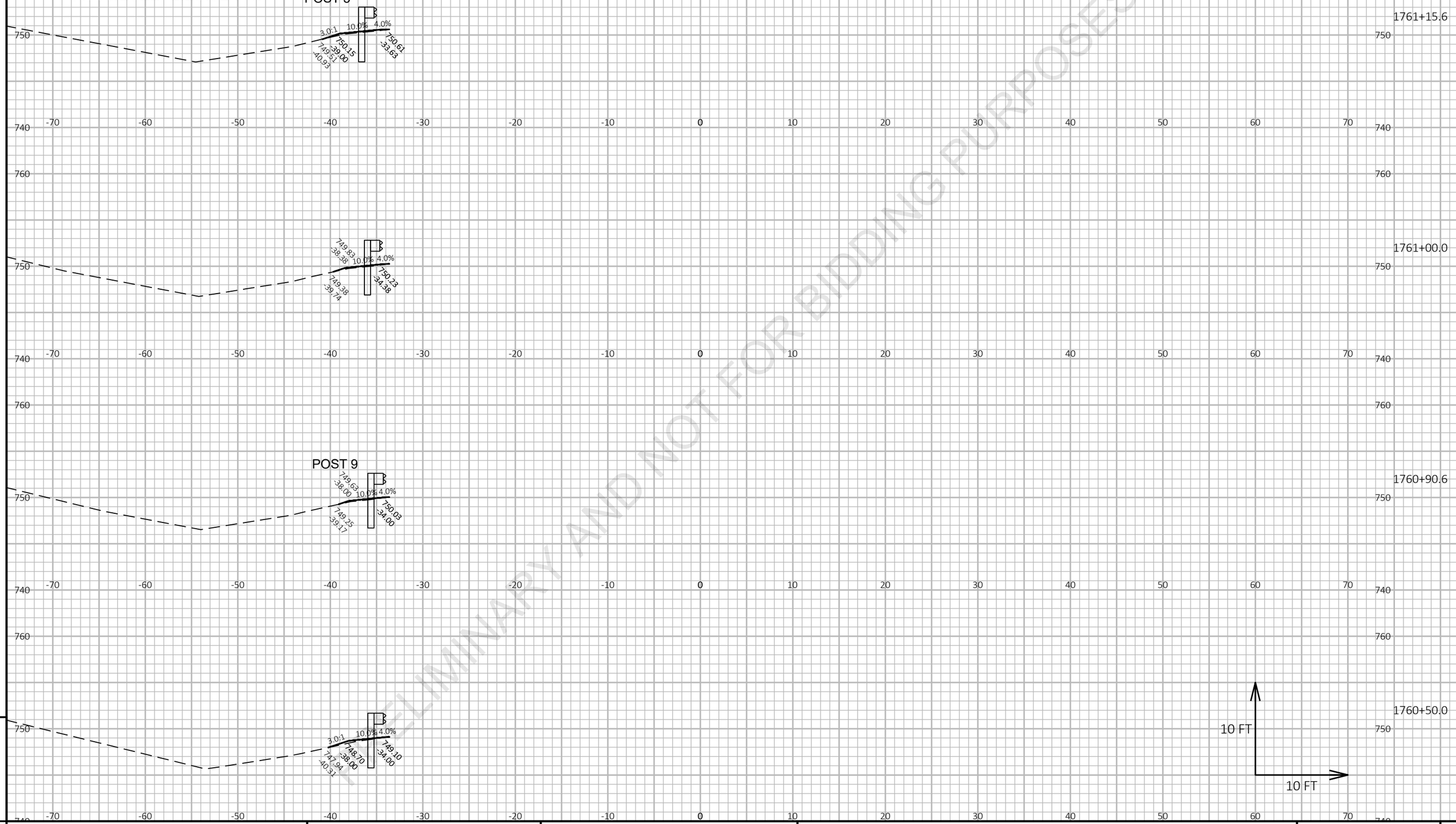
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:32 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

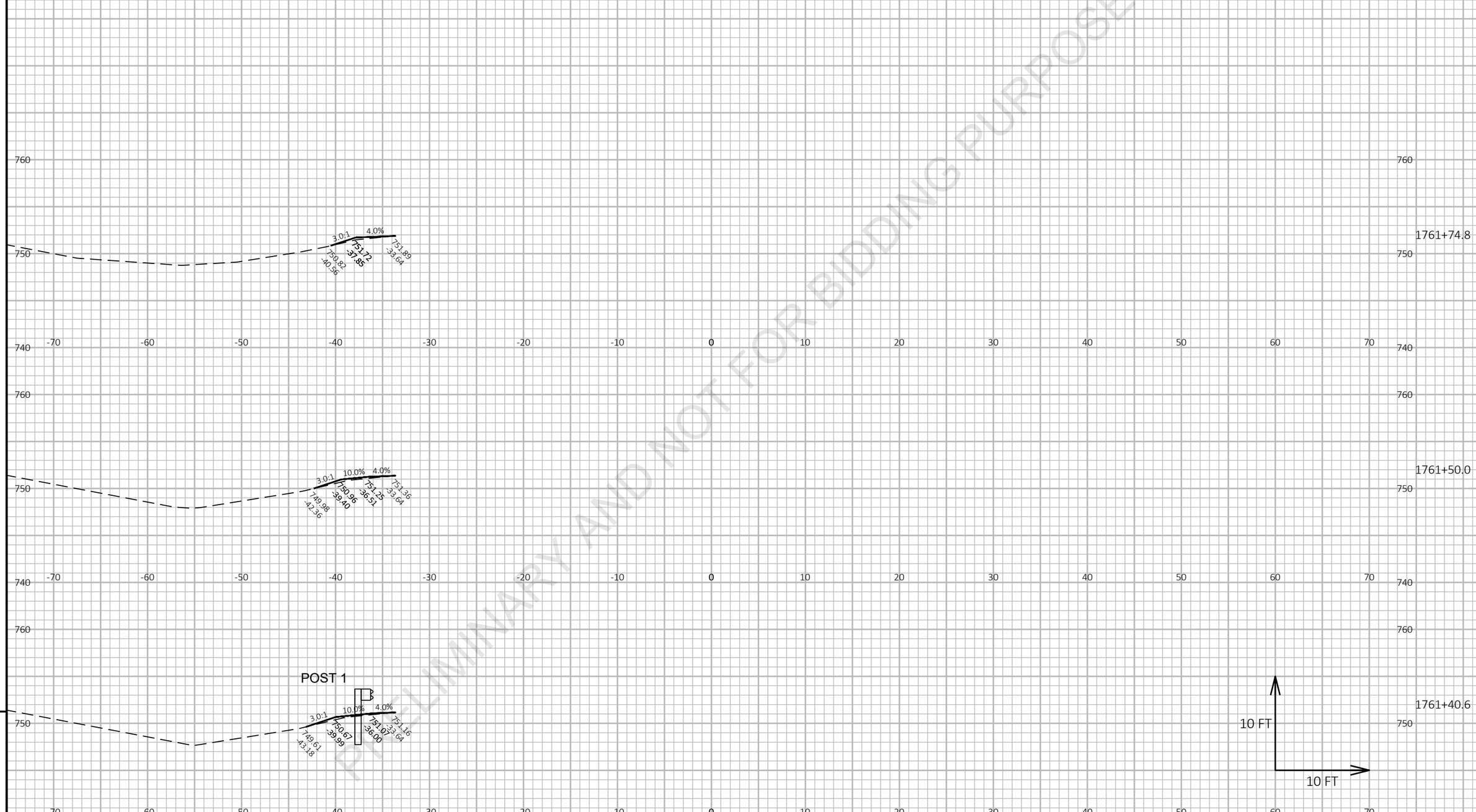
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 10

PLOT DATE : 3/5/2021 3:25 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:32 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

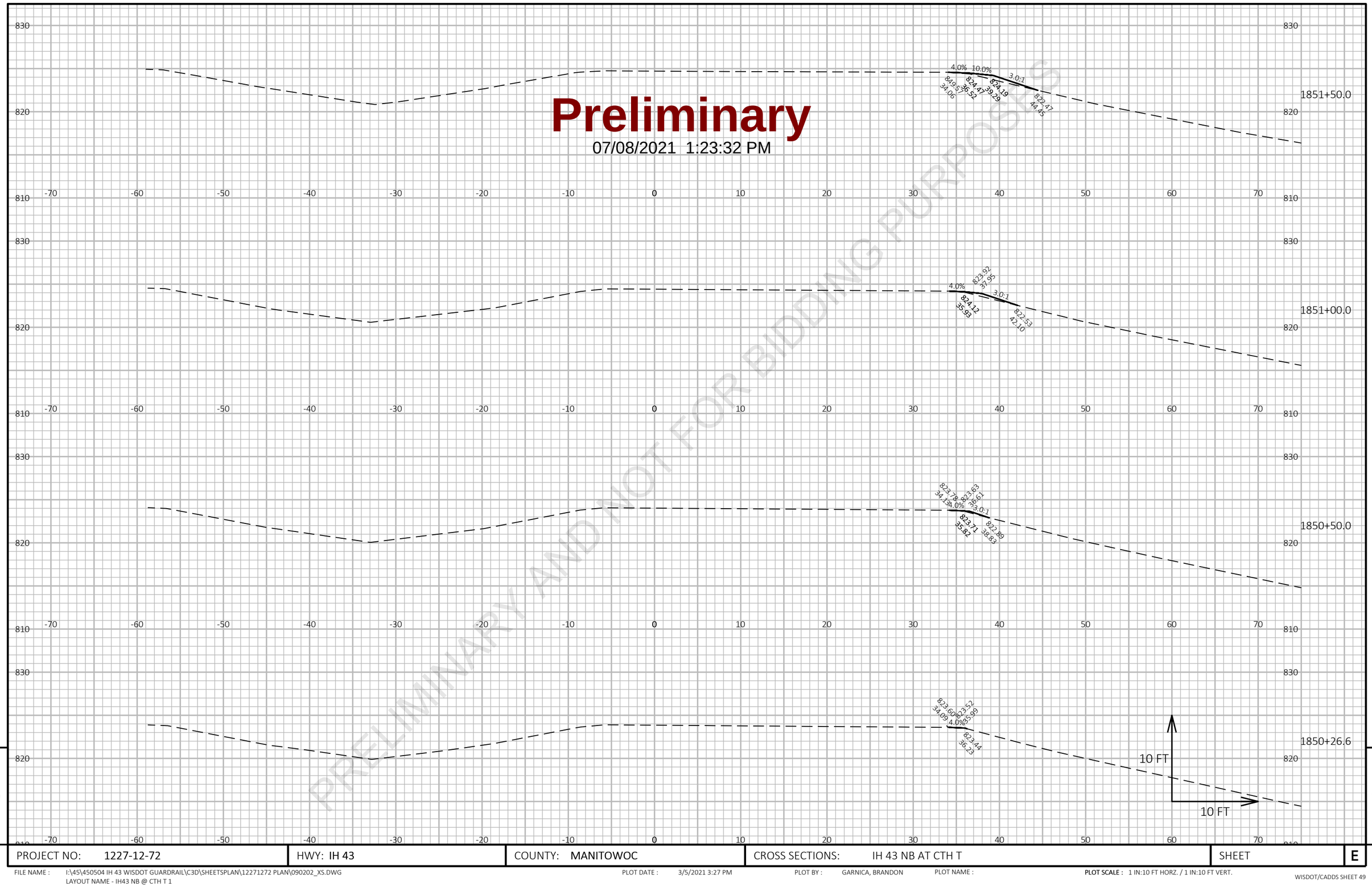
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River 11
PLOT DATE : 3/5/2021 3:26 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:32 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ CTH T 1

PLOT DATE : 3/5/2021 3:27 PM

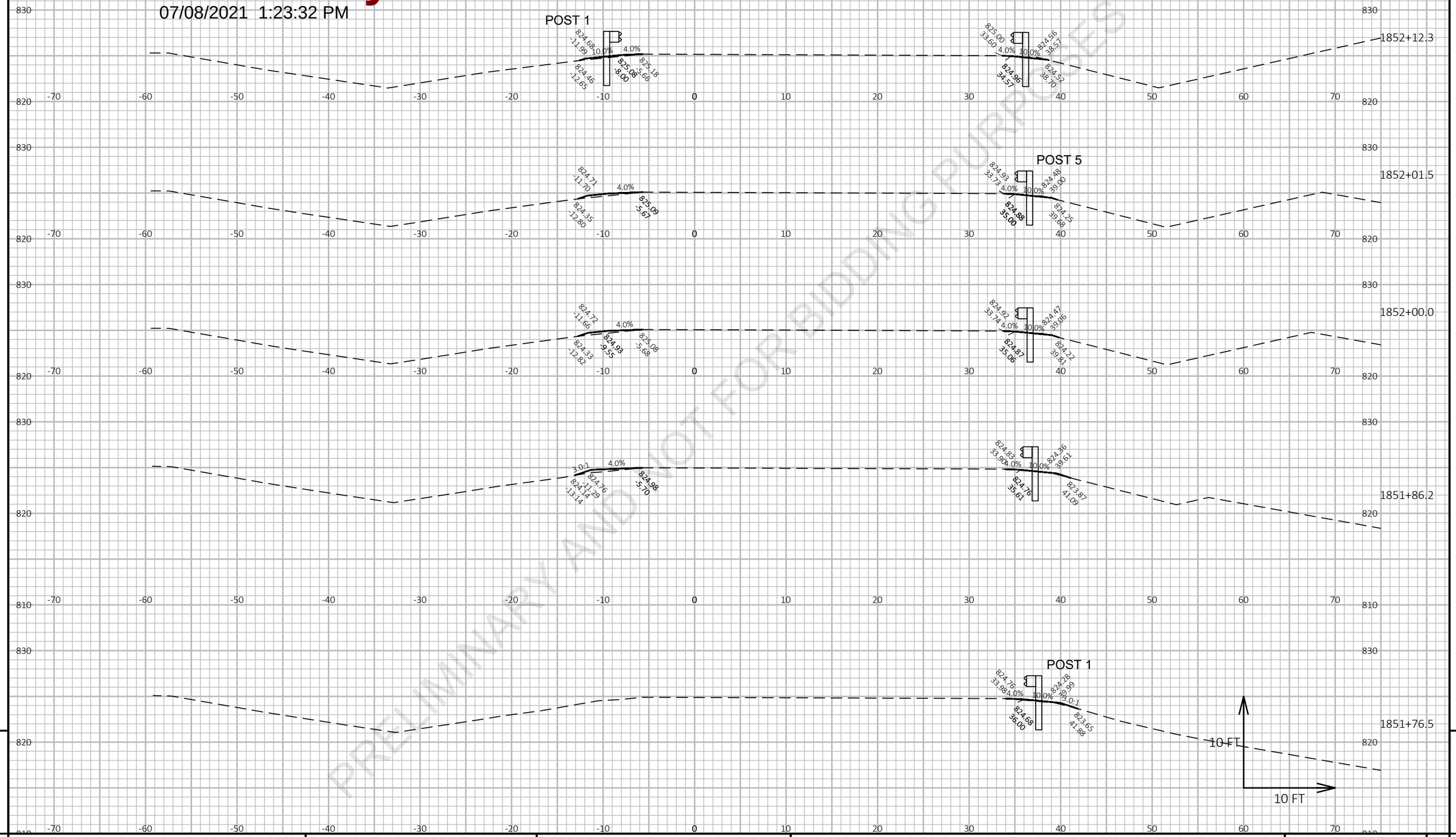
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:32 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH T	SHEET E

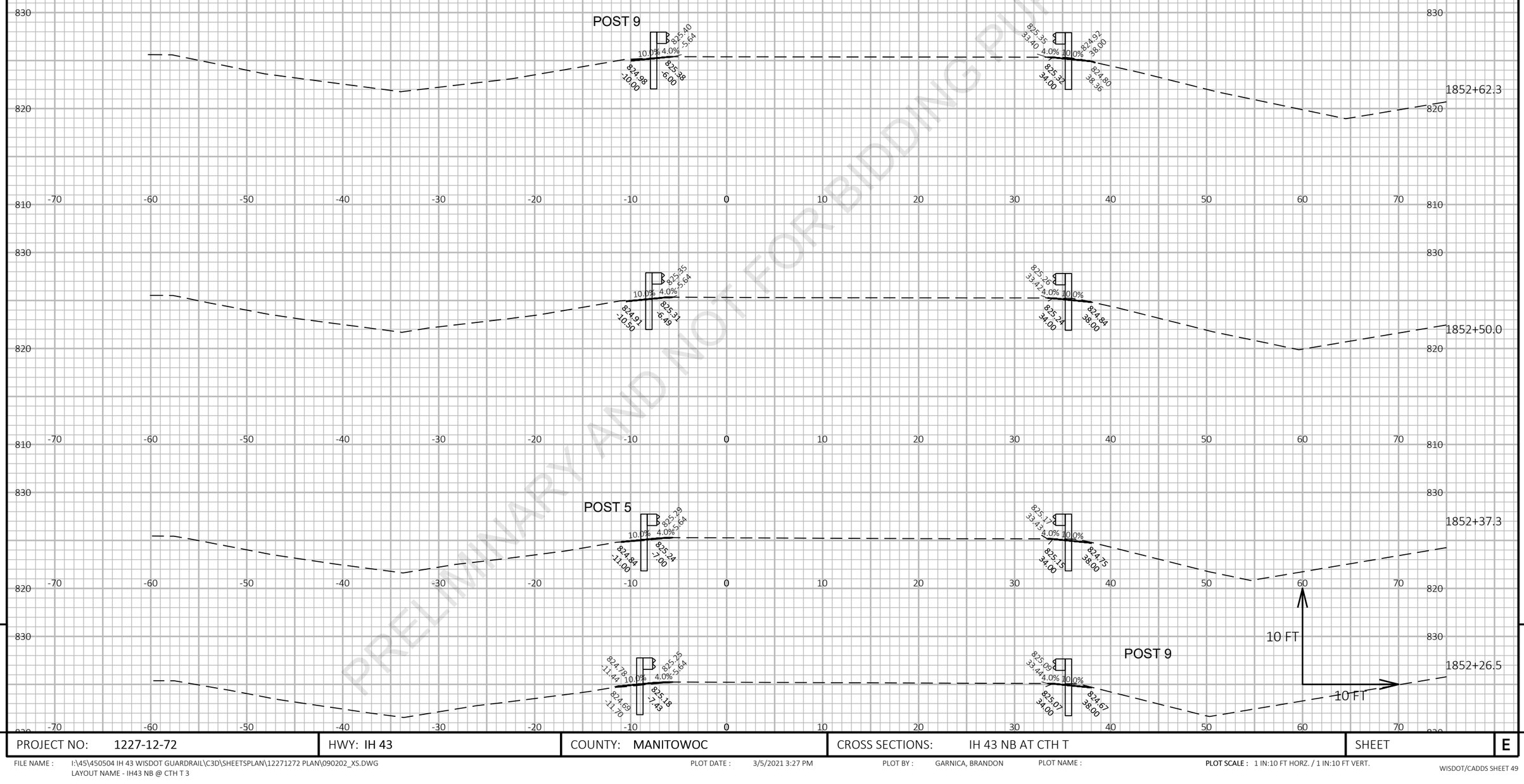
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ CTH T 2

PLOT DATE : 3/5/2021 3:27 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:32 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH T	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ CTH T 3

PLOT DATE : 3/5/2021 3:27 PM

PLOT BY : GARNICA, BRANDON

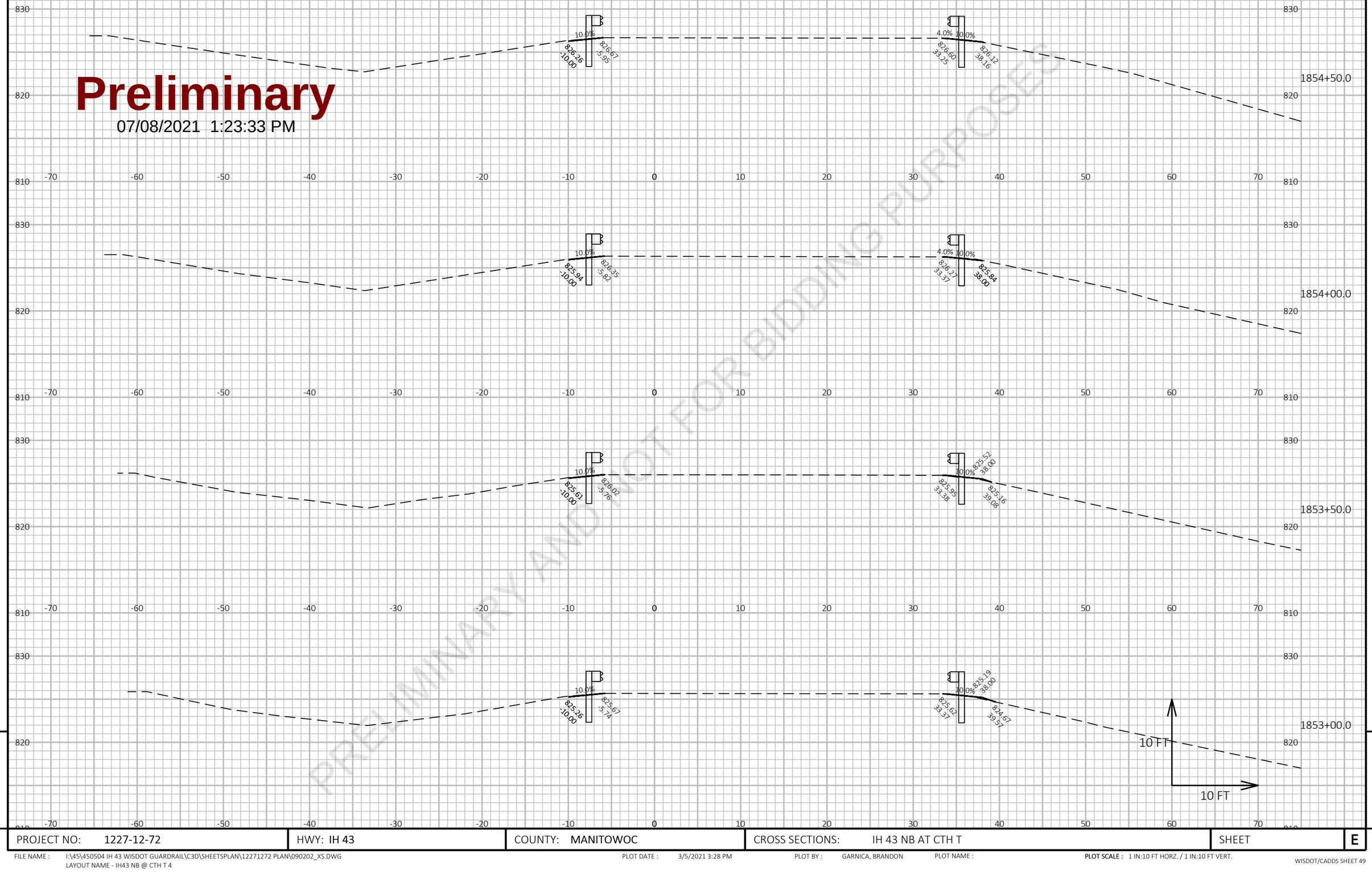
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:33 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ CTH T 4

PLOT DATE : 3/5/2021 3:28 PM

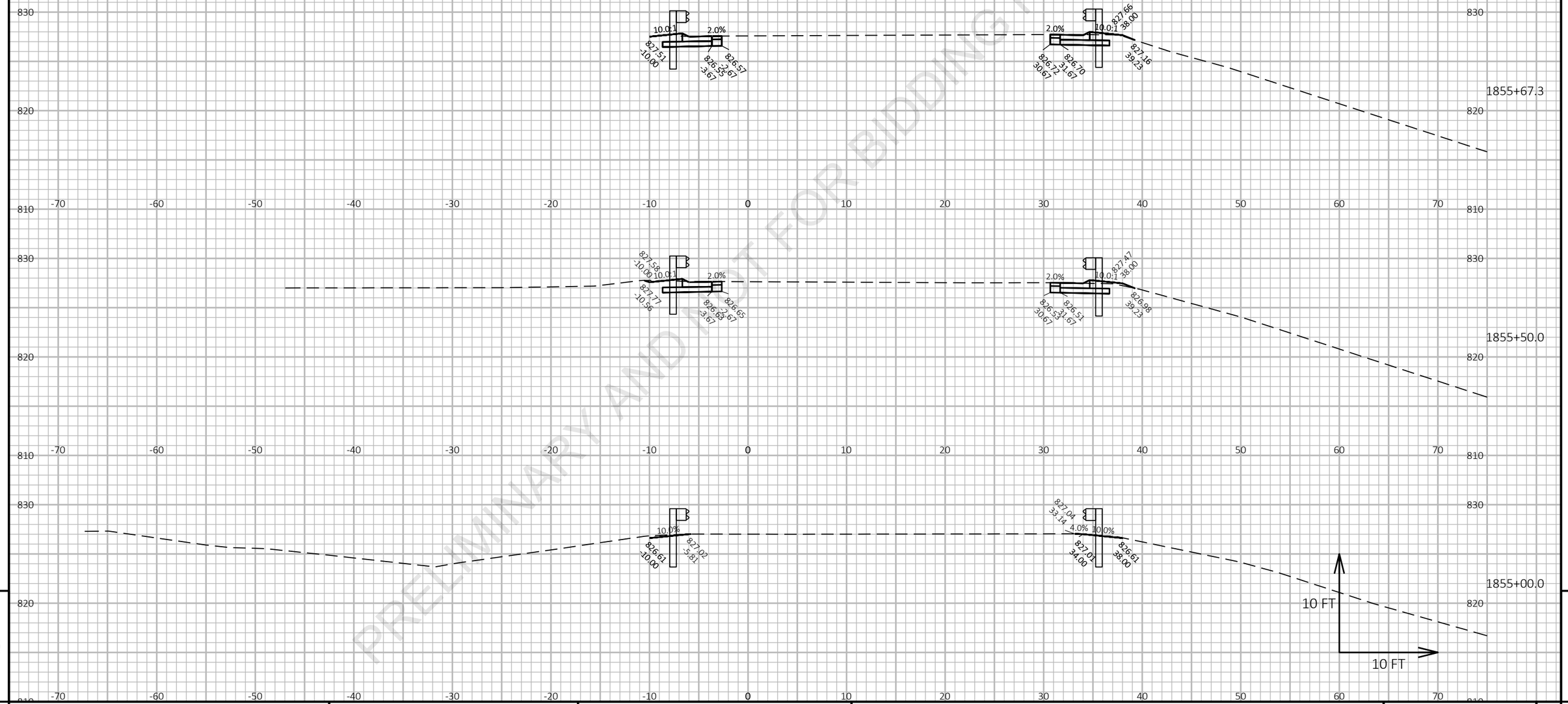
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:33 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH T	SHEET	E

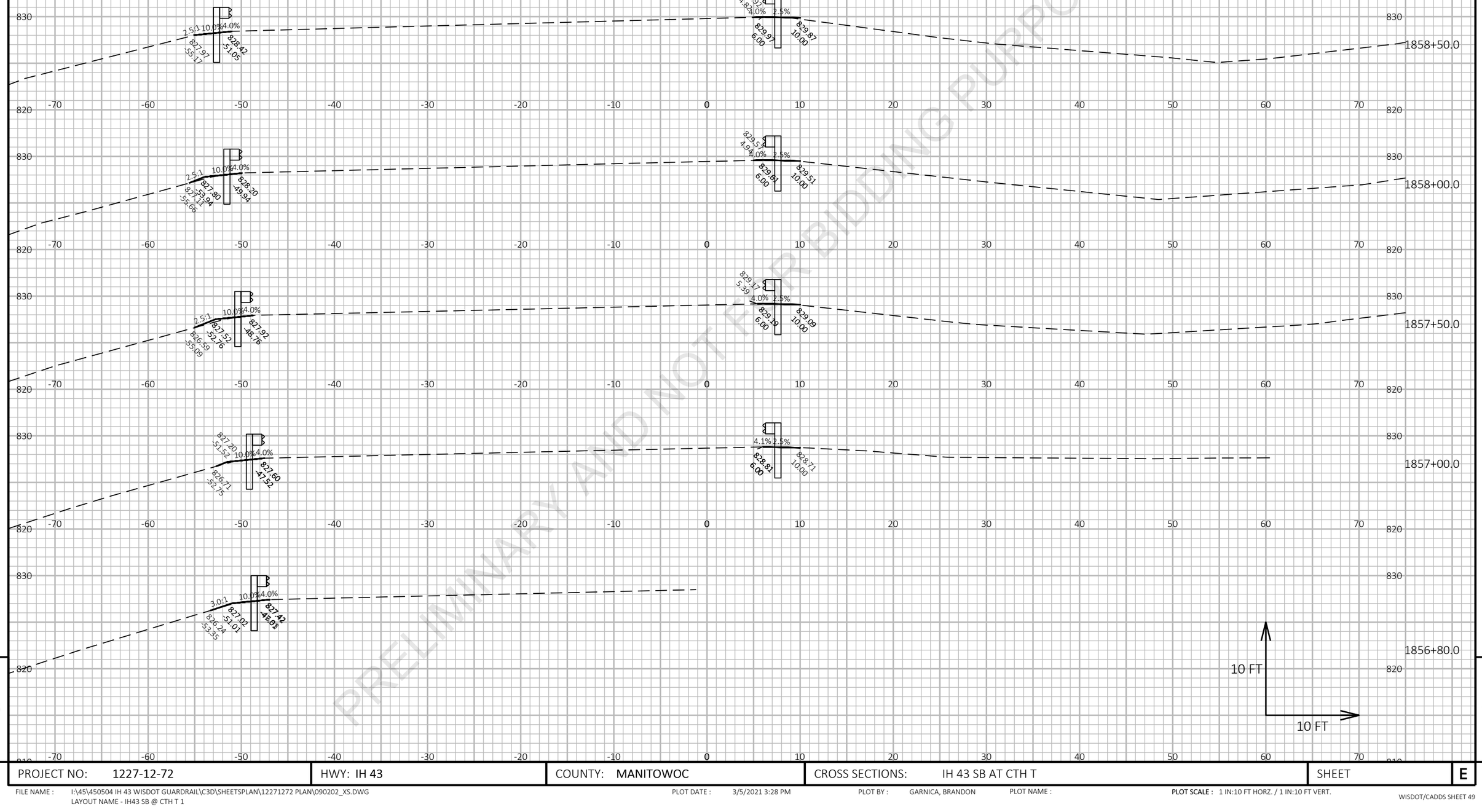
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ CTH T 5

PLOT DATE : 3/5/2021 3:28 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:33 PM



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ CTH T 1

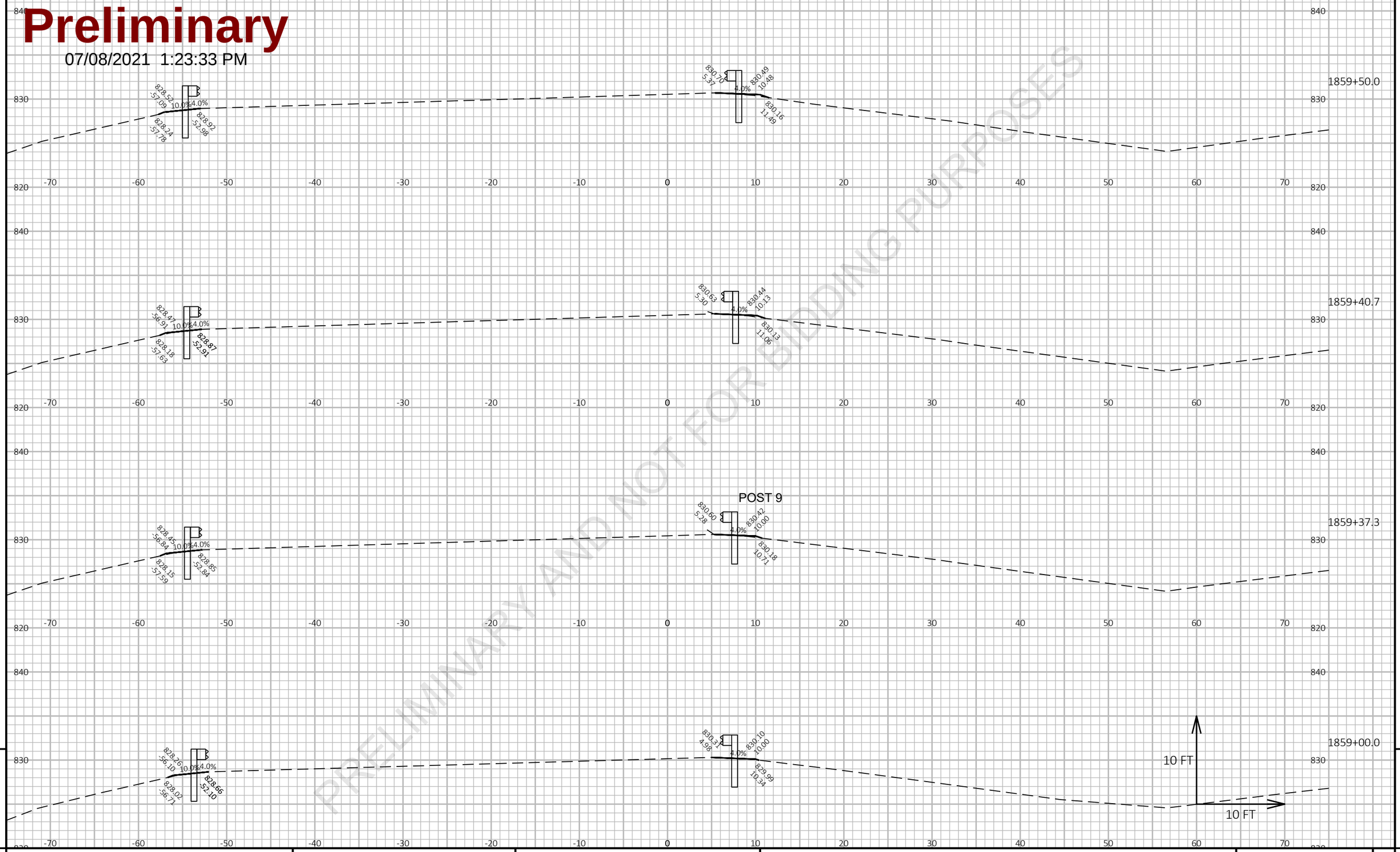
PLOT DATE : 3/5/2021 3:28 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:33 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ CTH T 2

PLOT DATE : 3/5/2021 3:29 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

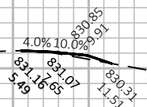
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

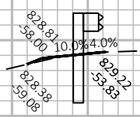
Preliminary

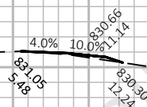
07/08/2021 1:23:34 PM

POST 9



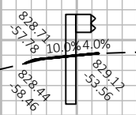
1860+19.0

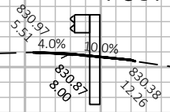




1860+00.0

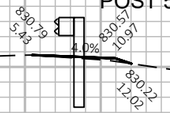
POST 1





1859+87.3

POST 5



1859+62.3

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ CTH T 3

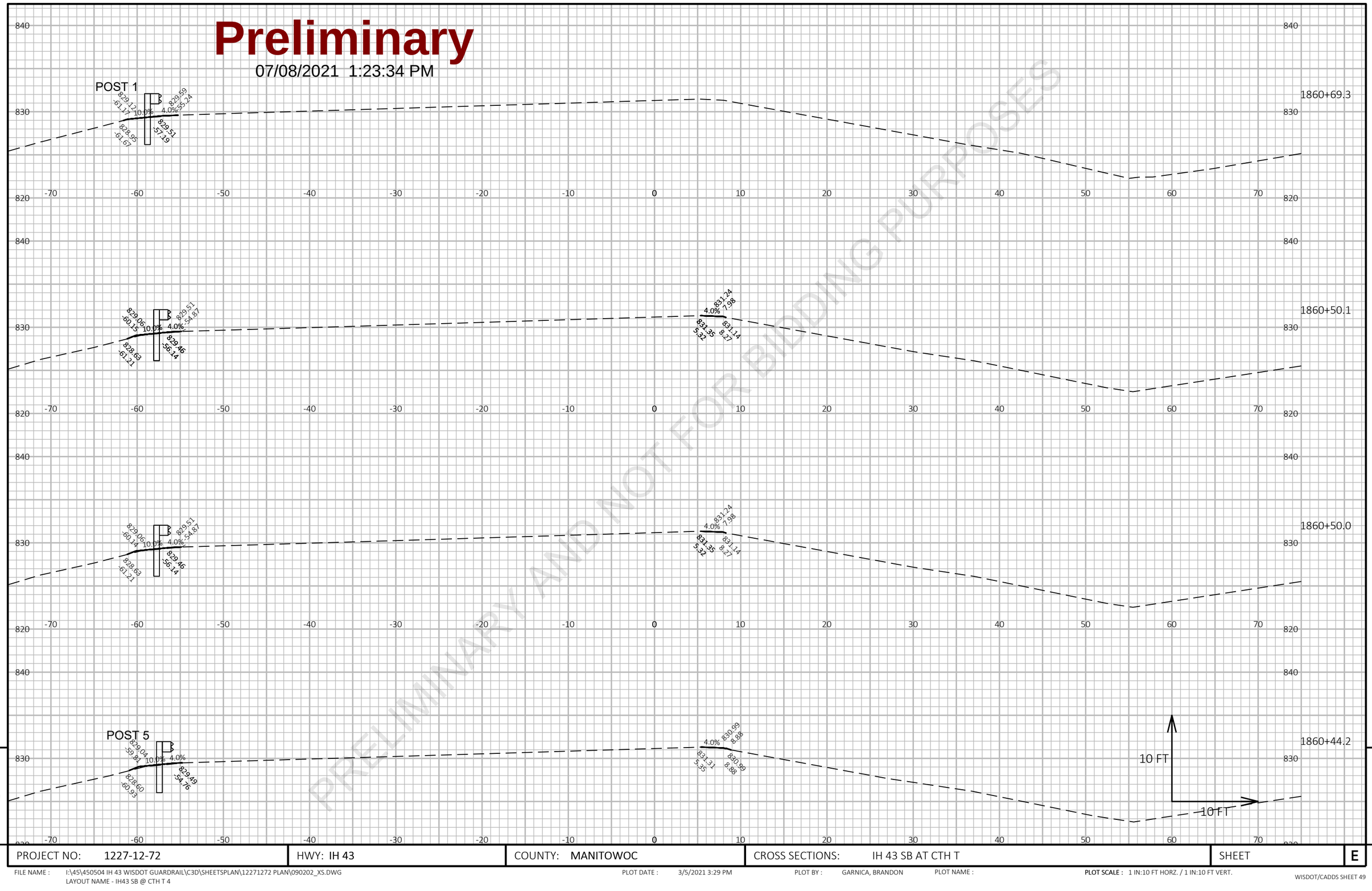
PLOT DATE : 3/5/2021 3:29 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:34 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ CTH T 4

PLOT DATE : 3/5/2021 3:29 PM

PLOT BY : GARNICA, BRANDON

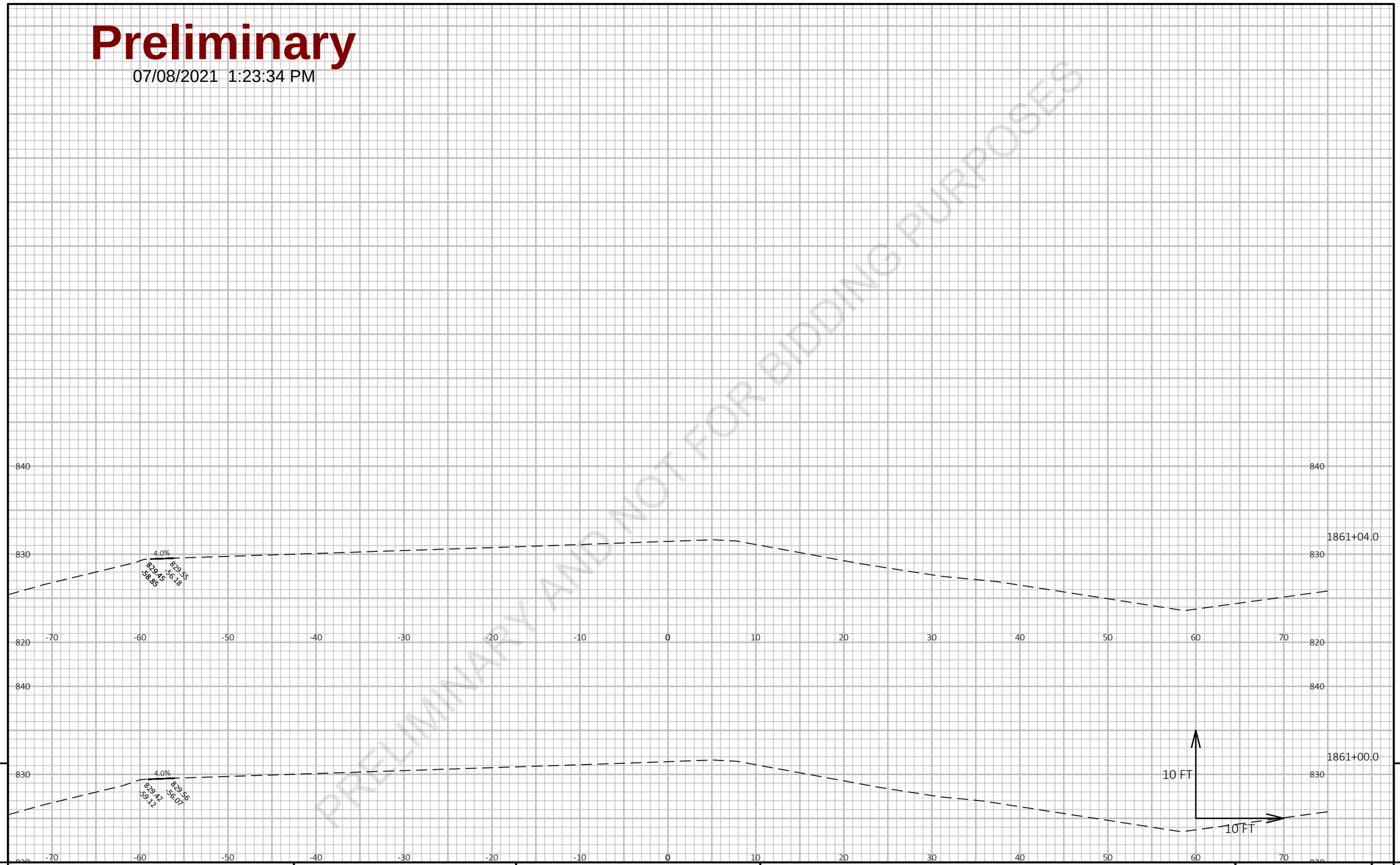
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:34 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ CTH T 5

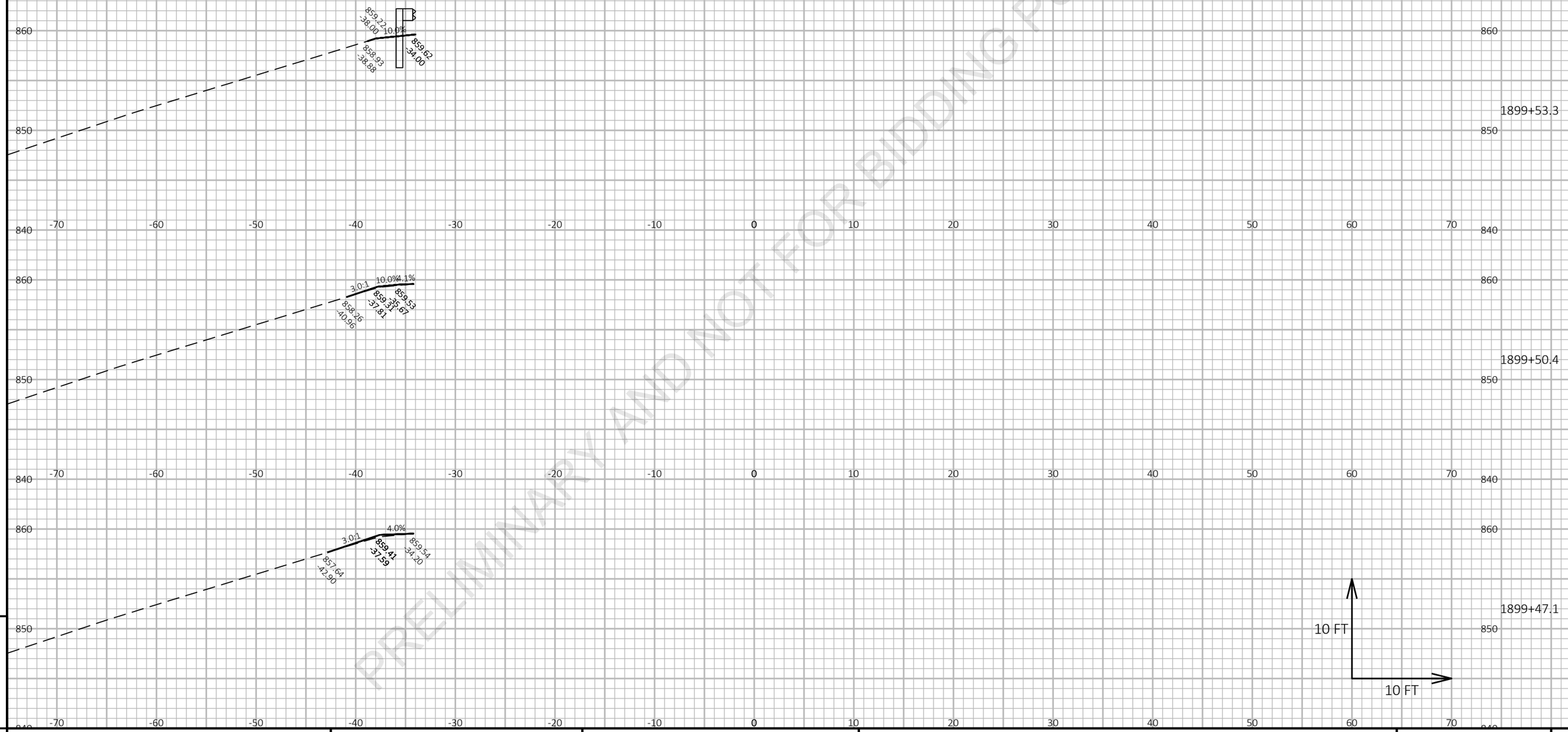
PLOT DATE : 3/5/2021 3:29 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:34 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL	SHEET	E

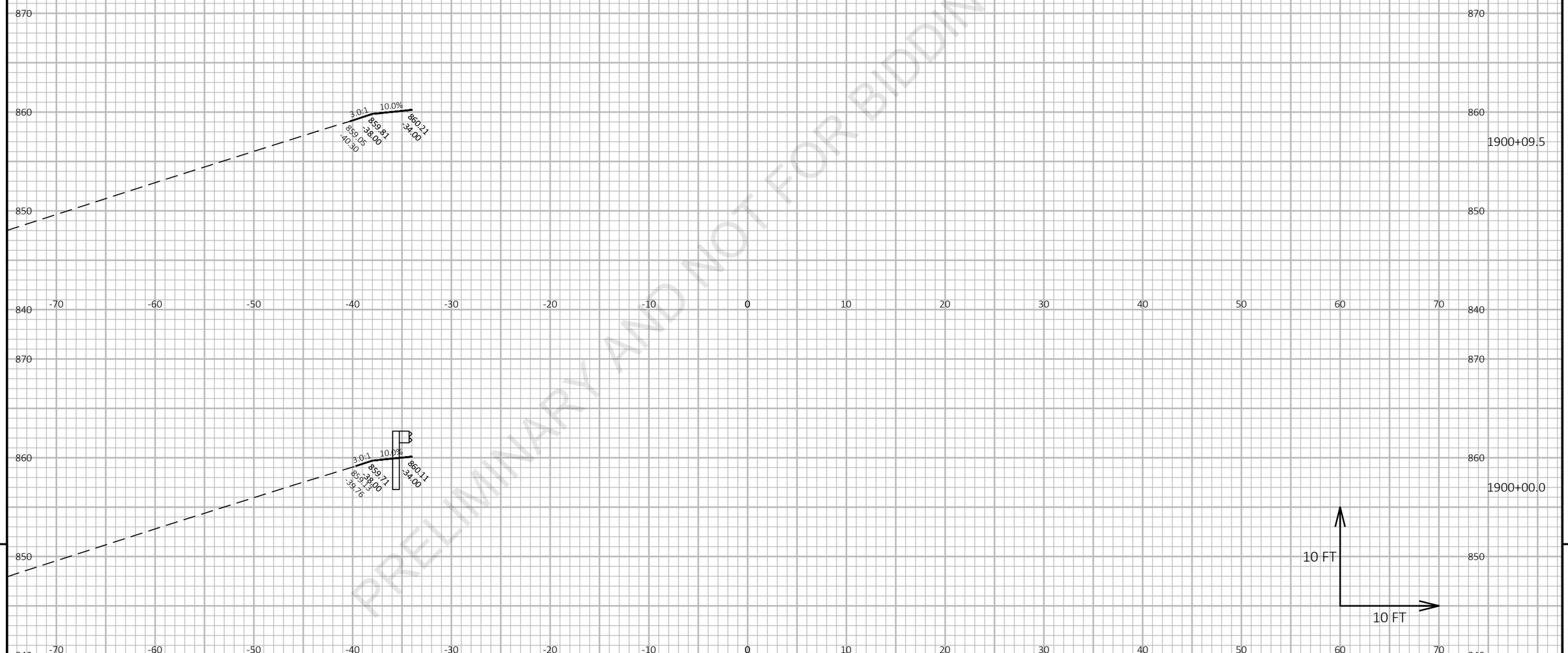
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 1

PLOT DATE : 3/5/2021 3:30 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:34 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 2

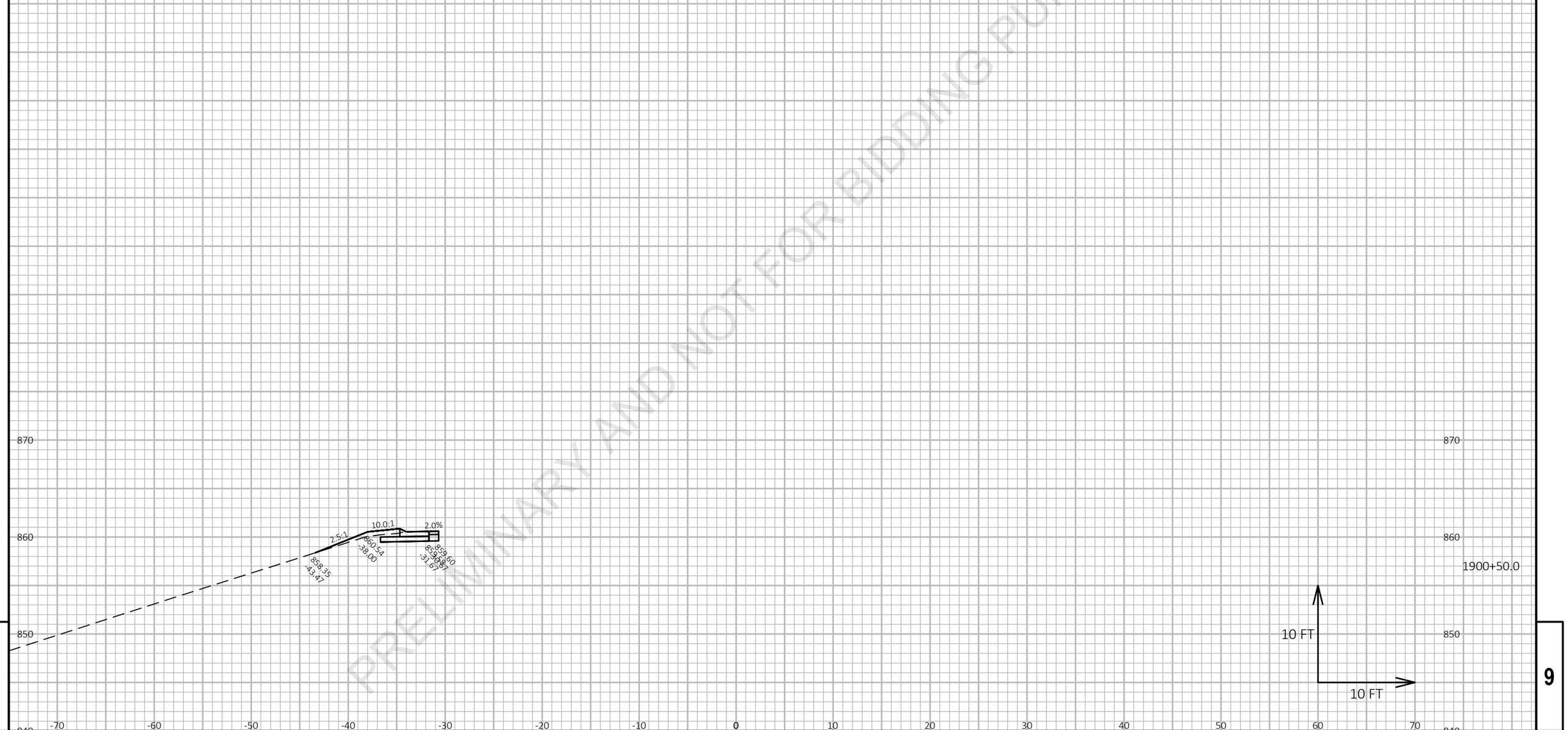
PLOT DATE : 3/5/2021 3:30 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:35 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL	SHEET	E

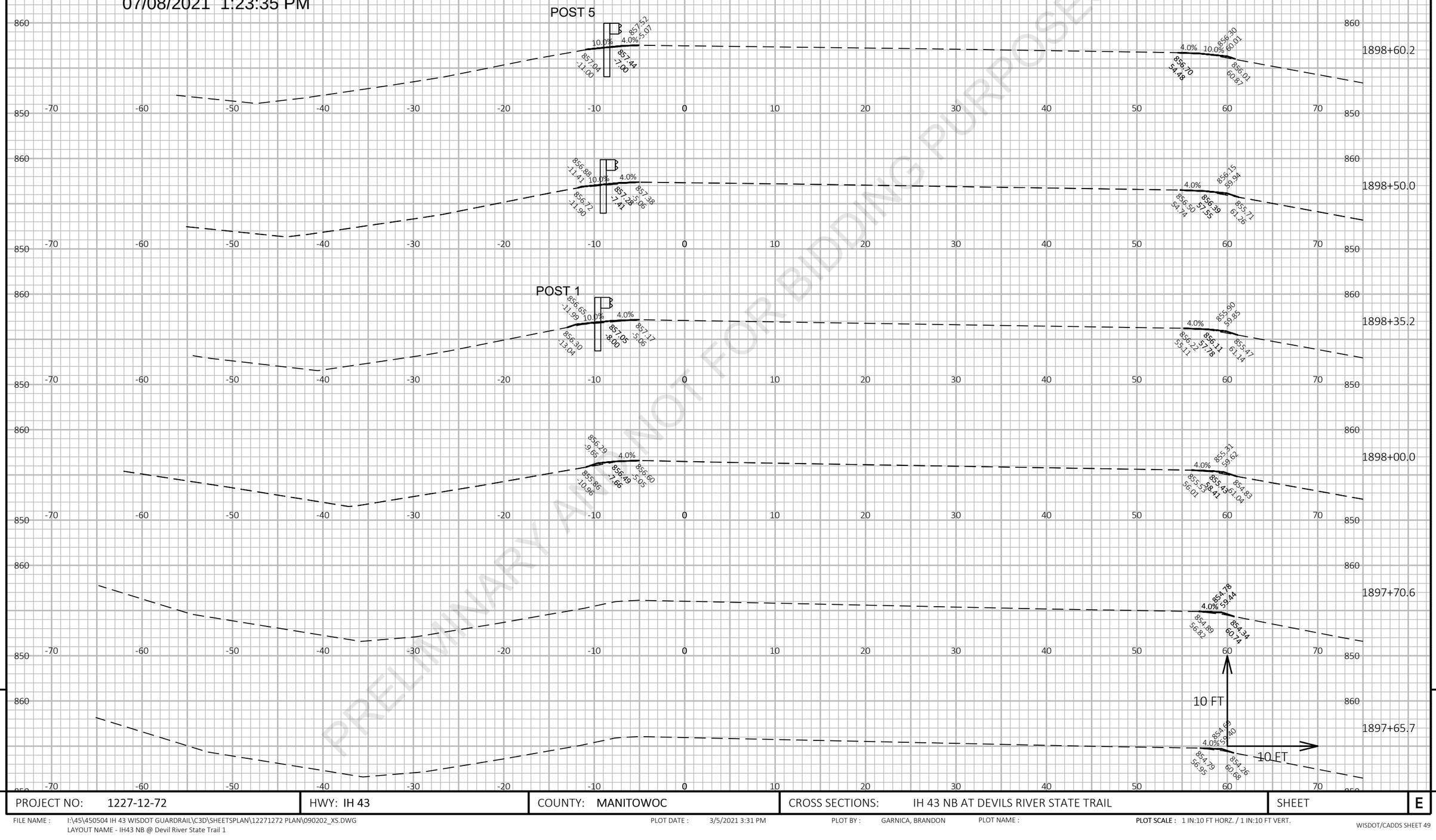
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail 3

PLOT DATE : 3/5/2021 3:30 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:35 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL	SHEET	E

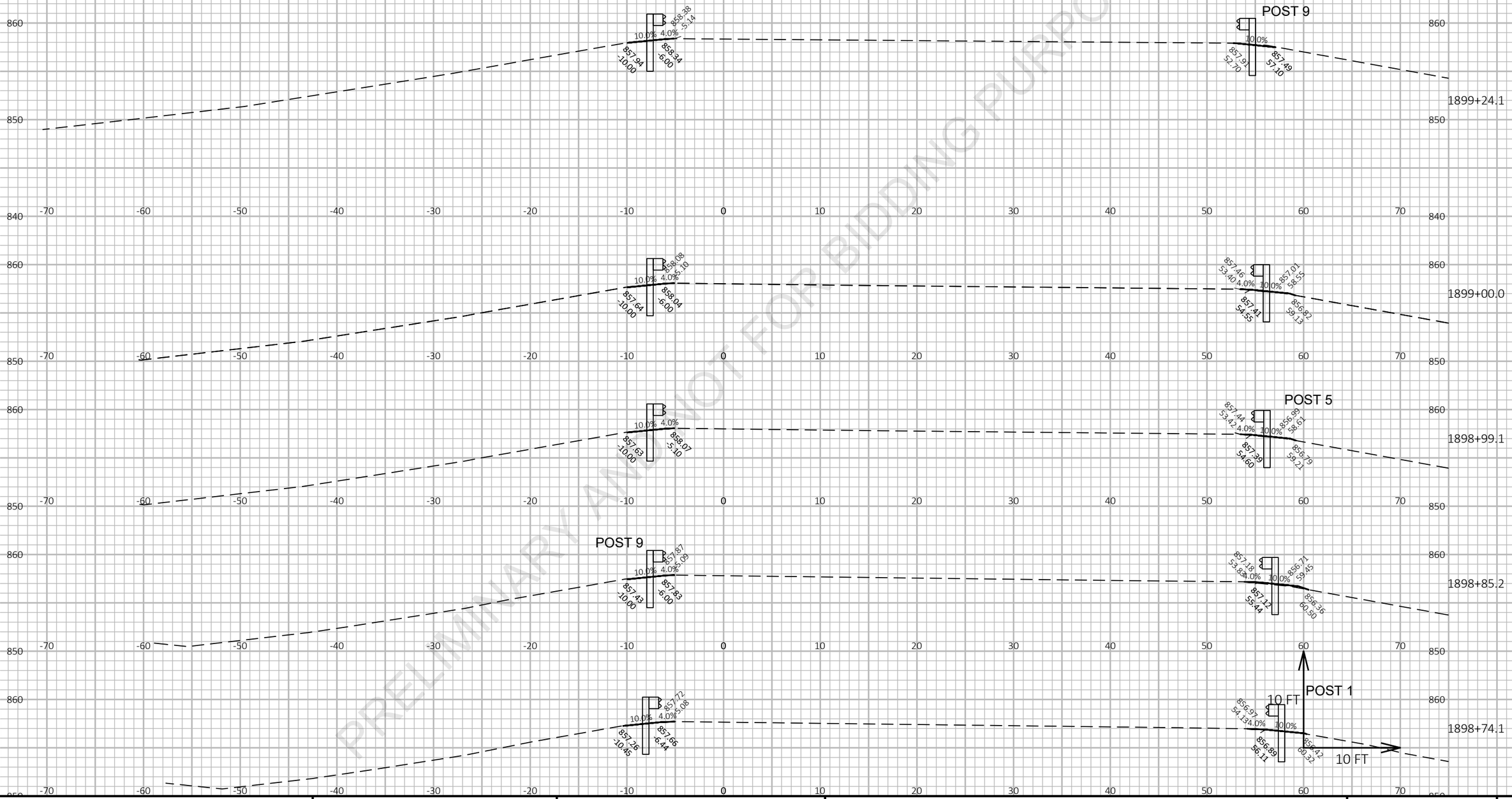
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 1

PLOT DATE : 3/5/2021 3:31 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:35 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL	SHEET E

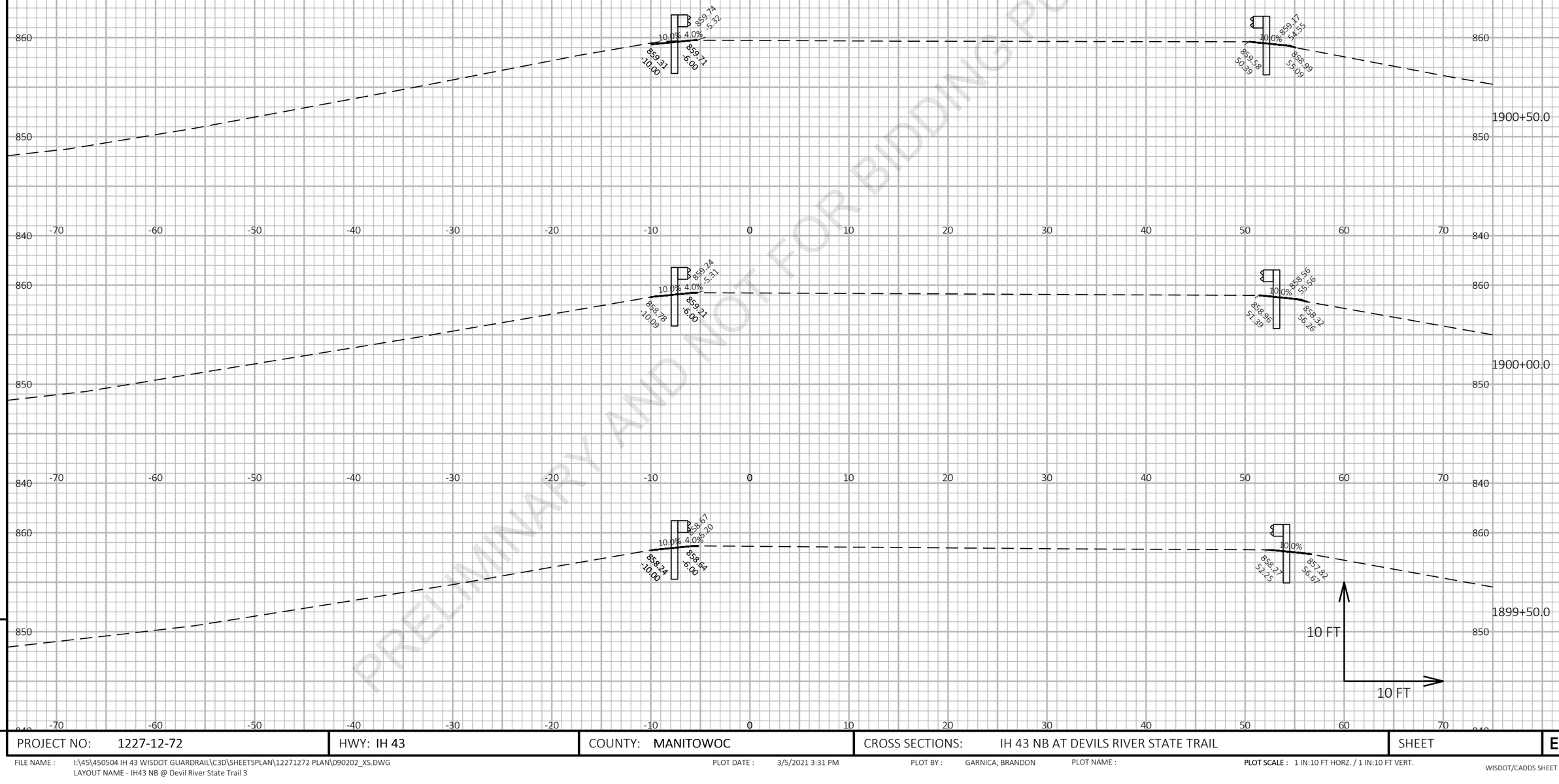
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 2

PLOT DATE : 3/5/2021 3:31 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:35 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL	SHEET	E

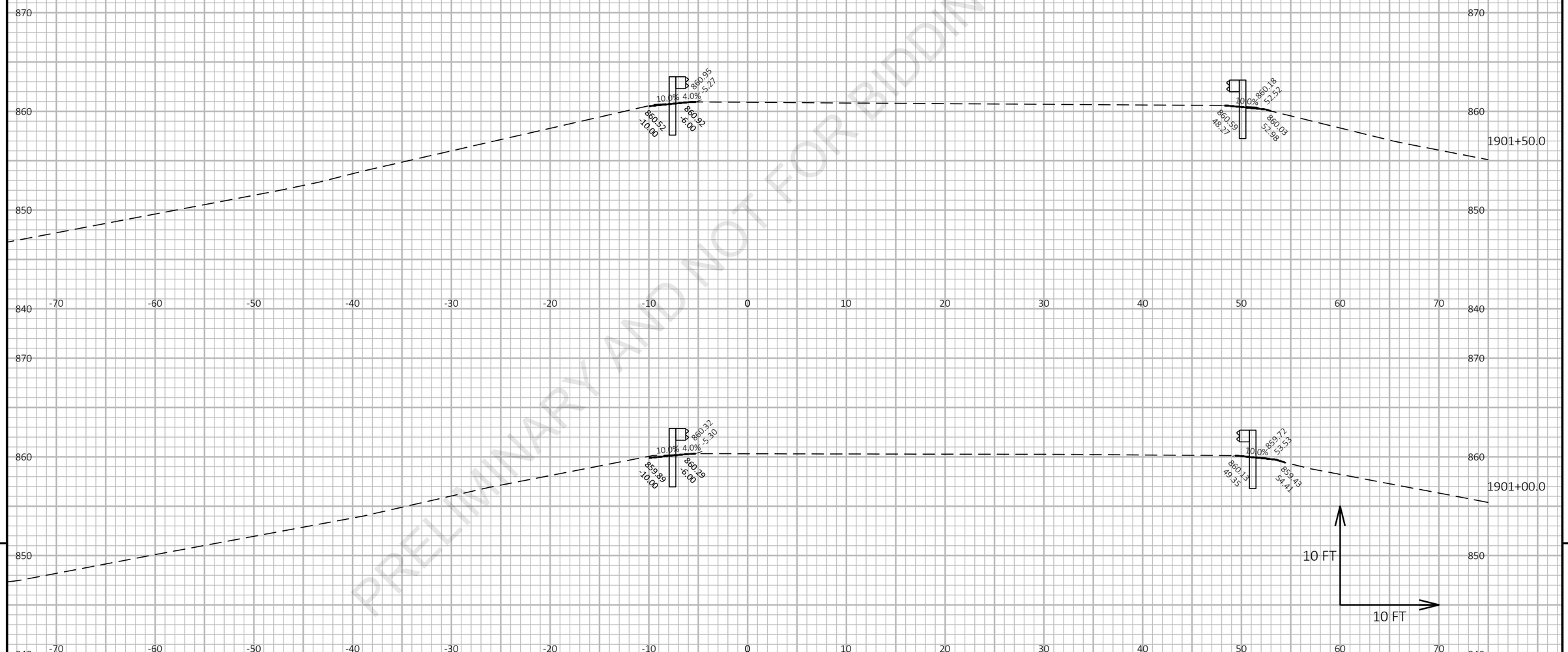
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 3

PLOT DATE : 3/5/2021 3:31 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:35 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL	SHEET	E

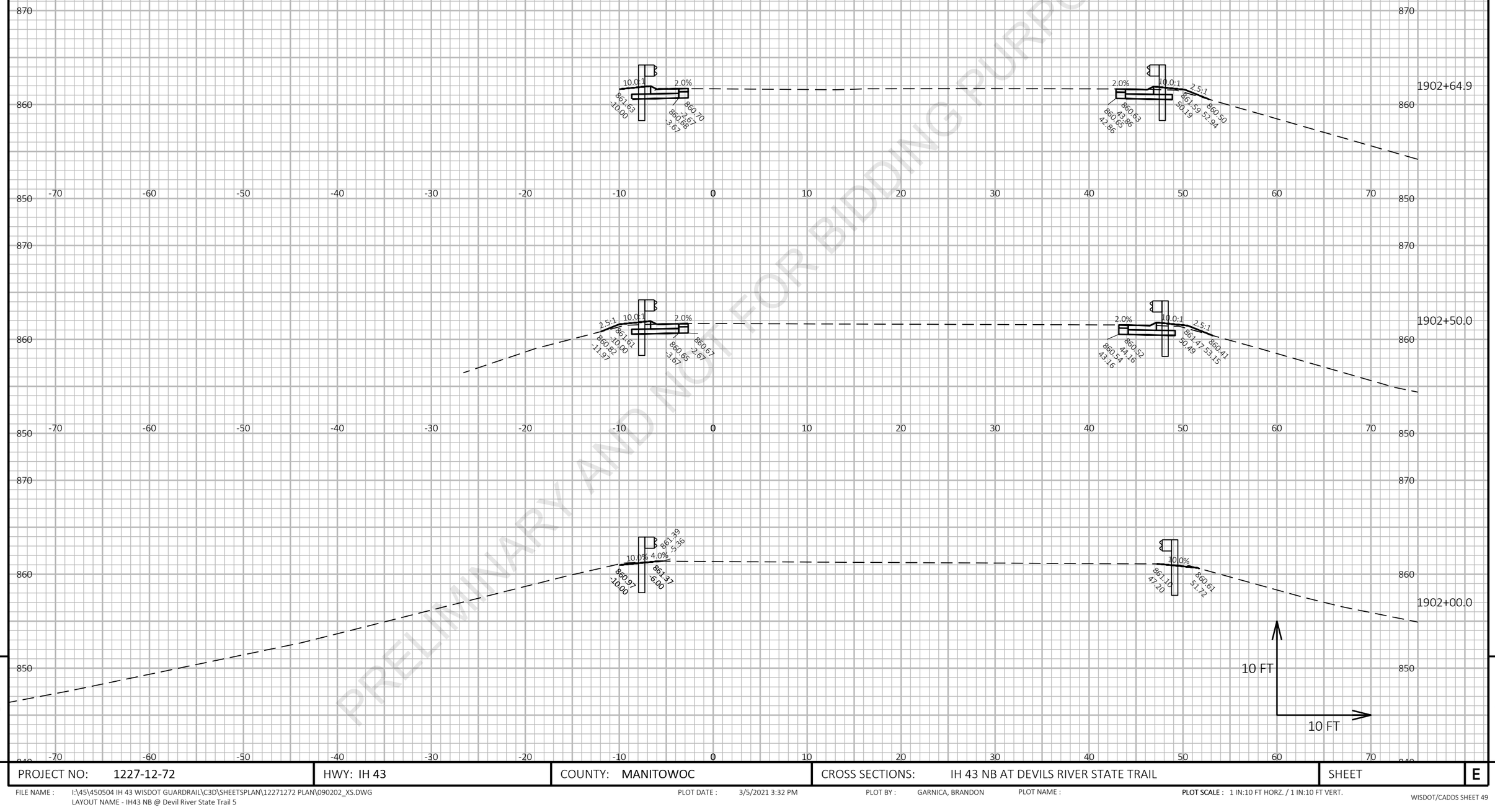
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 4

PLOT DATE : 3/5/2021 3:32 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:36 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

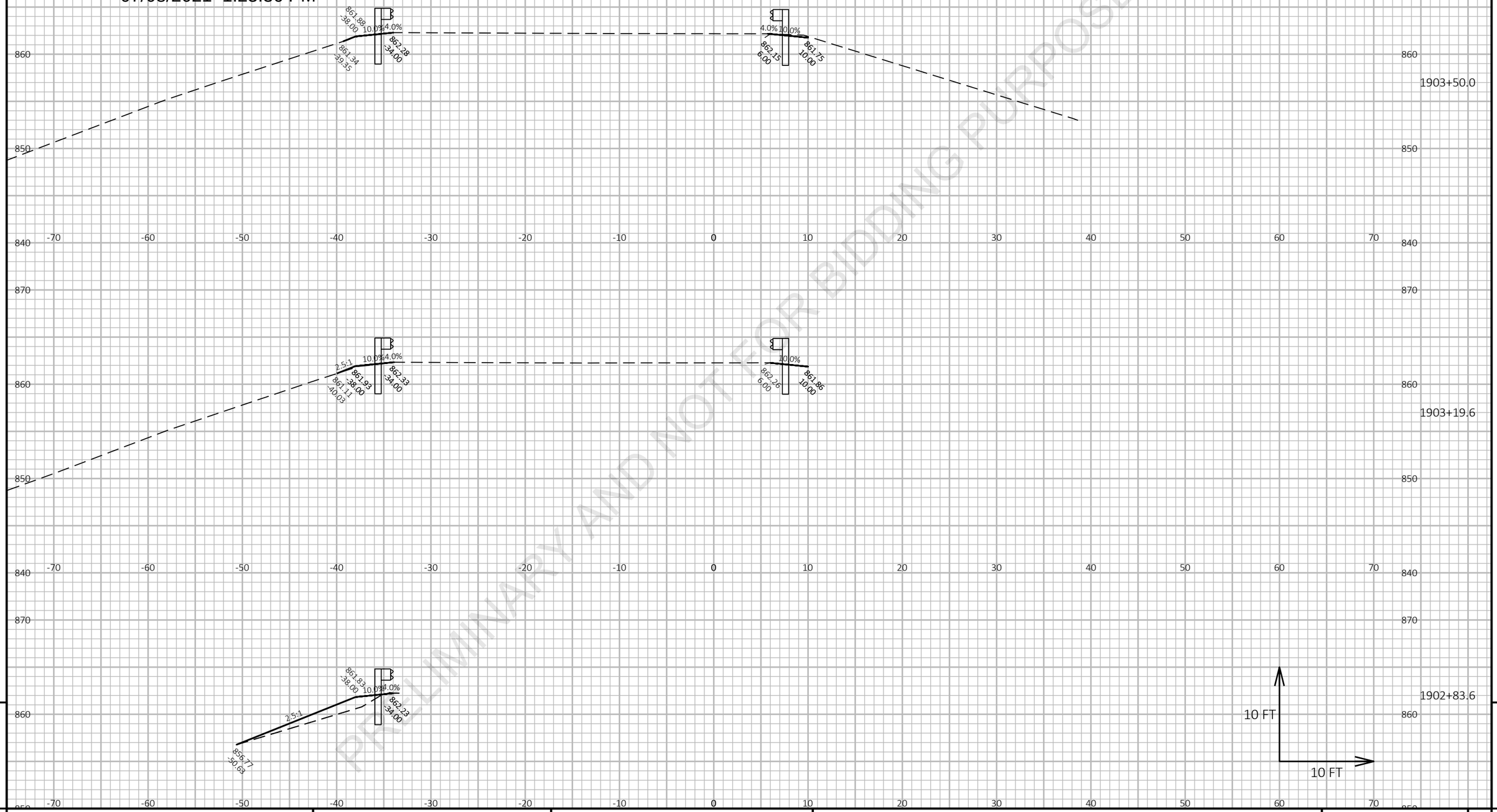
9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL	SHEET	E

Preliminary

07/08/2021 1:23:36 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

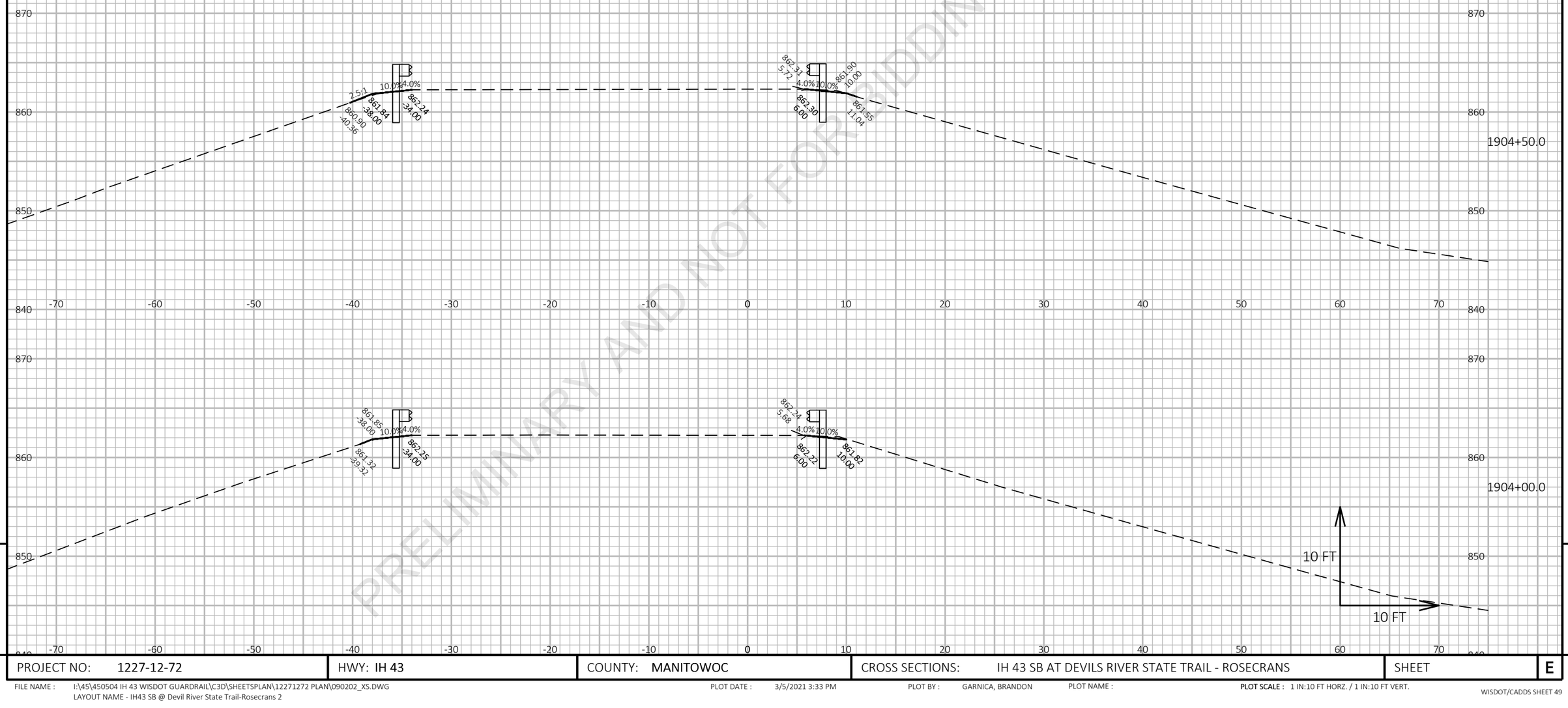
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 1

PLOT DATE : 3/5/2021 3:32 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:36 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

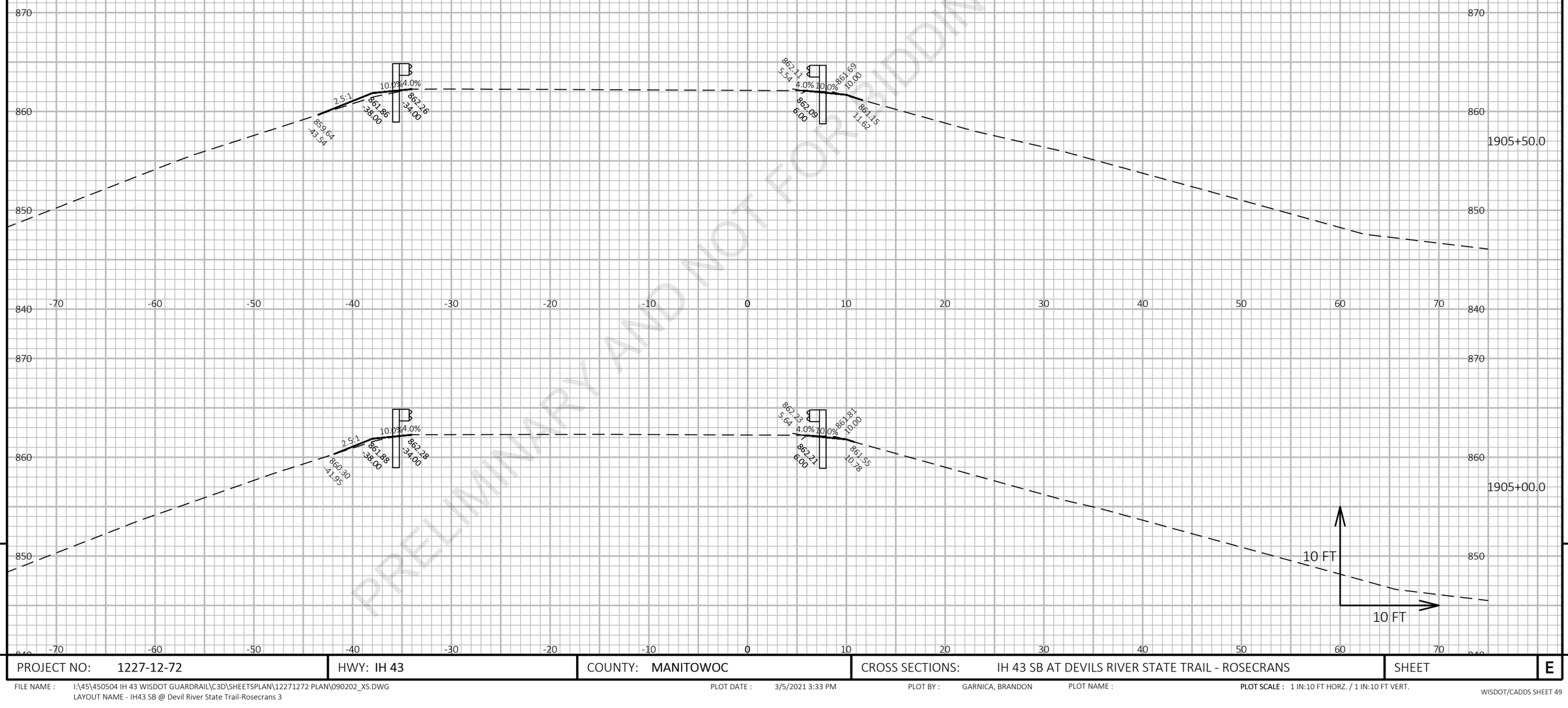
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 2

PLOT DATE : 3/5/2021 3:33 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:36 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 3

PLOT DATE : 3/5/2021 3:33 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:37 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 4

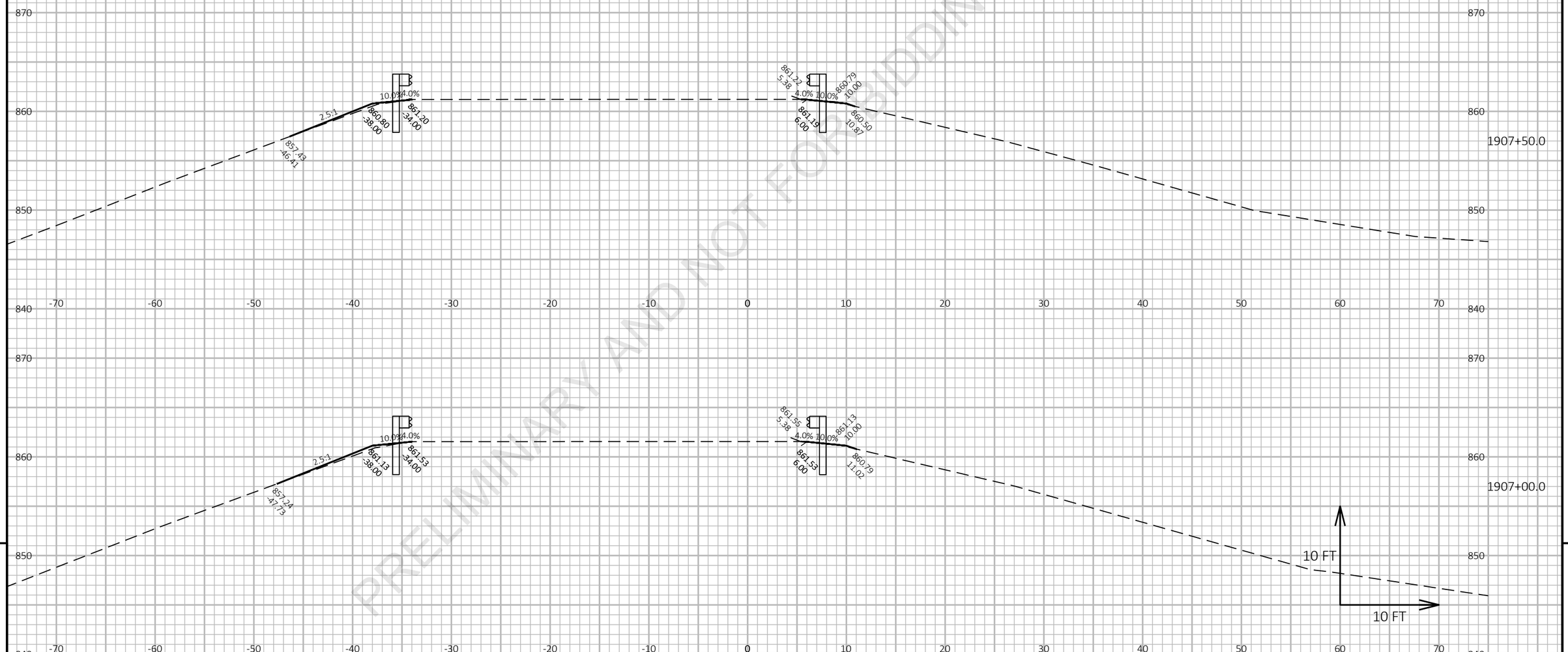
PLOT DATE : 3/5/2021 3:33 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:37 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

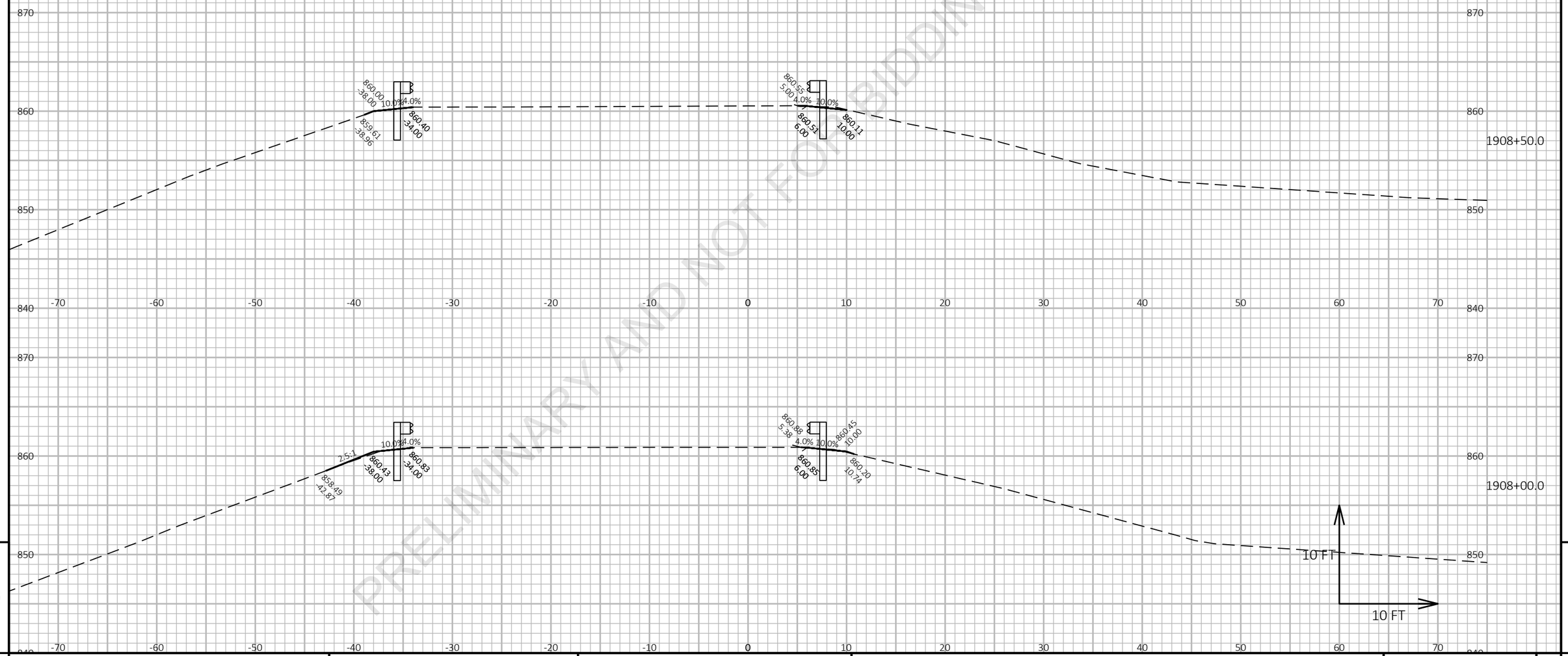
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 5

PLOT DATE : 3/5/2021 3:33 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:37 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET E

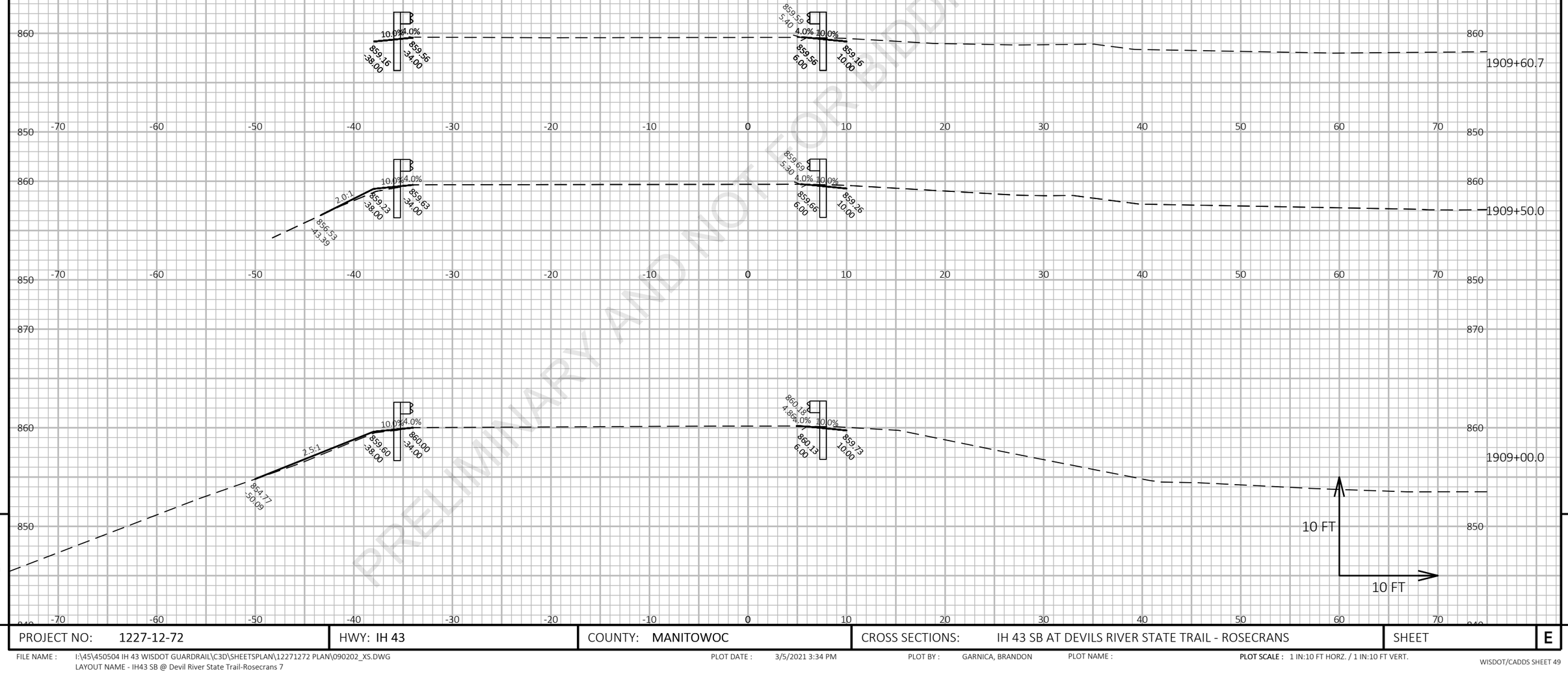
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 6

PLOT DATE : 3/5/2021 3:34 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:37 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 7

PLOT DATE : 3/5/2021 3:34 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

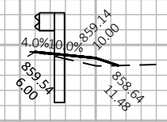
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

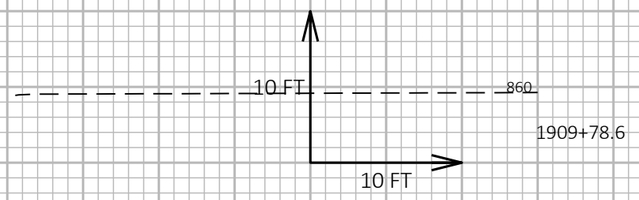
WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:37 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES





9

860

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Devil River State Trail-Rosecrans 8

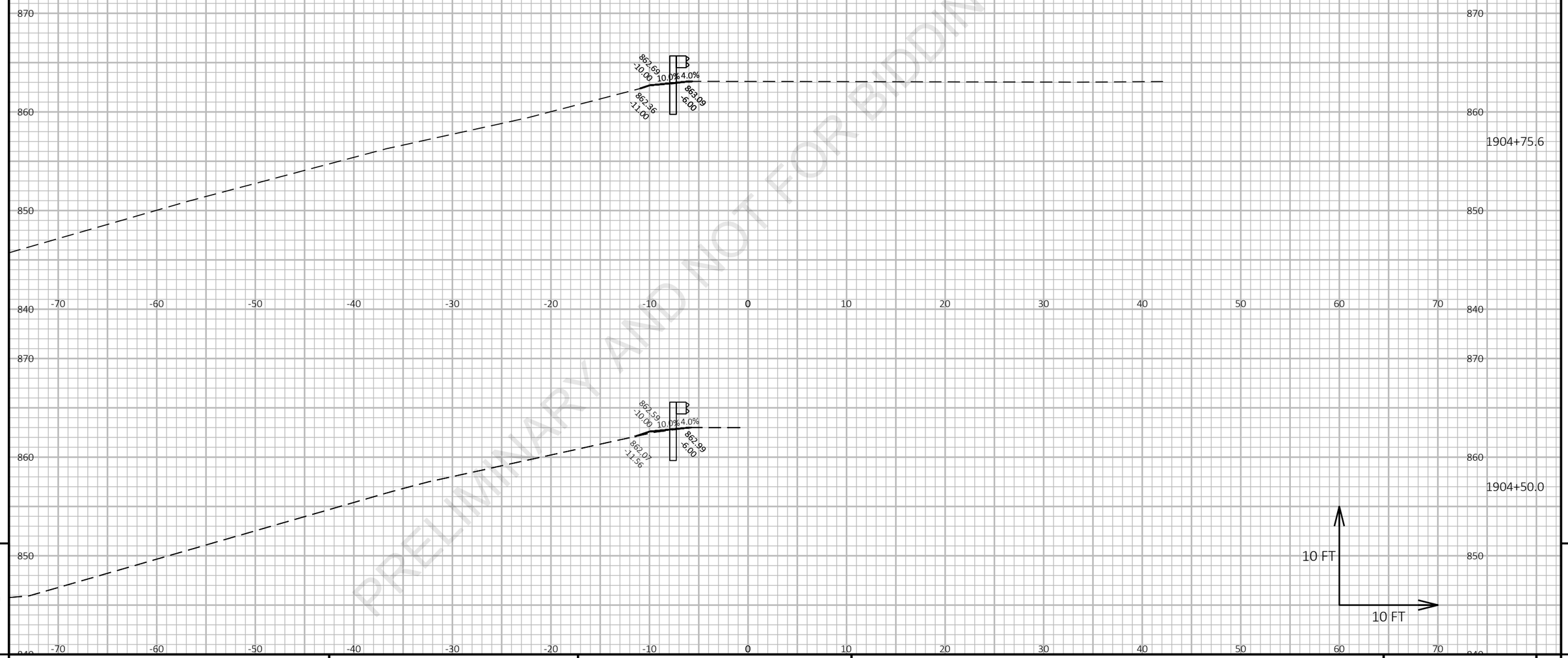
PLOT DATE : 3/5/2021 3:34 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:38 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 1

PLOT DATE : 3/5/2021 3:35 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:38 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 2

PLOT DATE : 3/5/2021 3:35 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:38 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

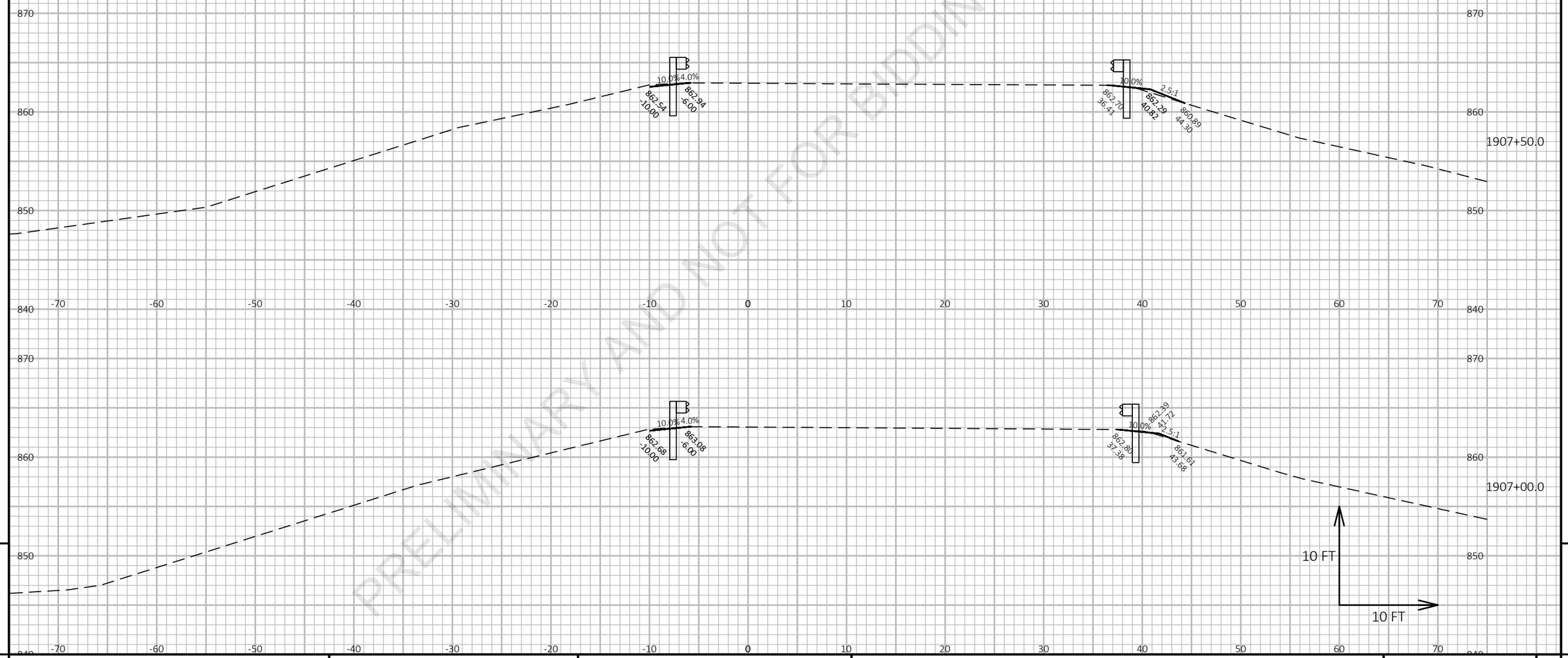
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 3

PLOT DATE : 3/5/2021 3:35 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:38 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

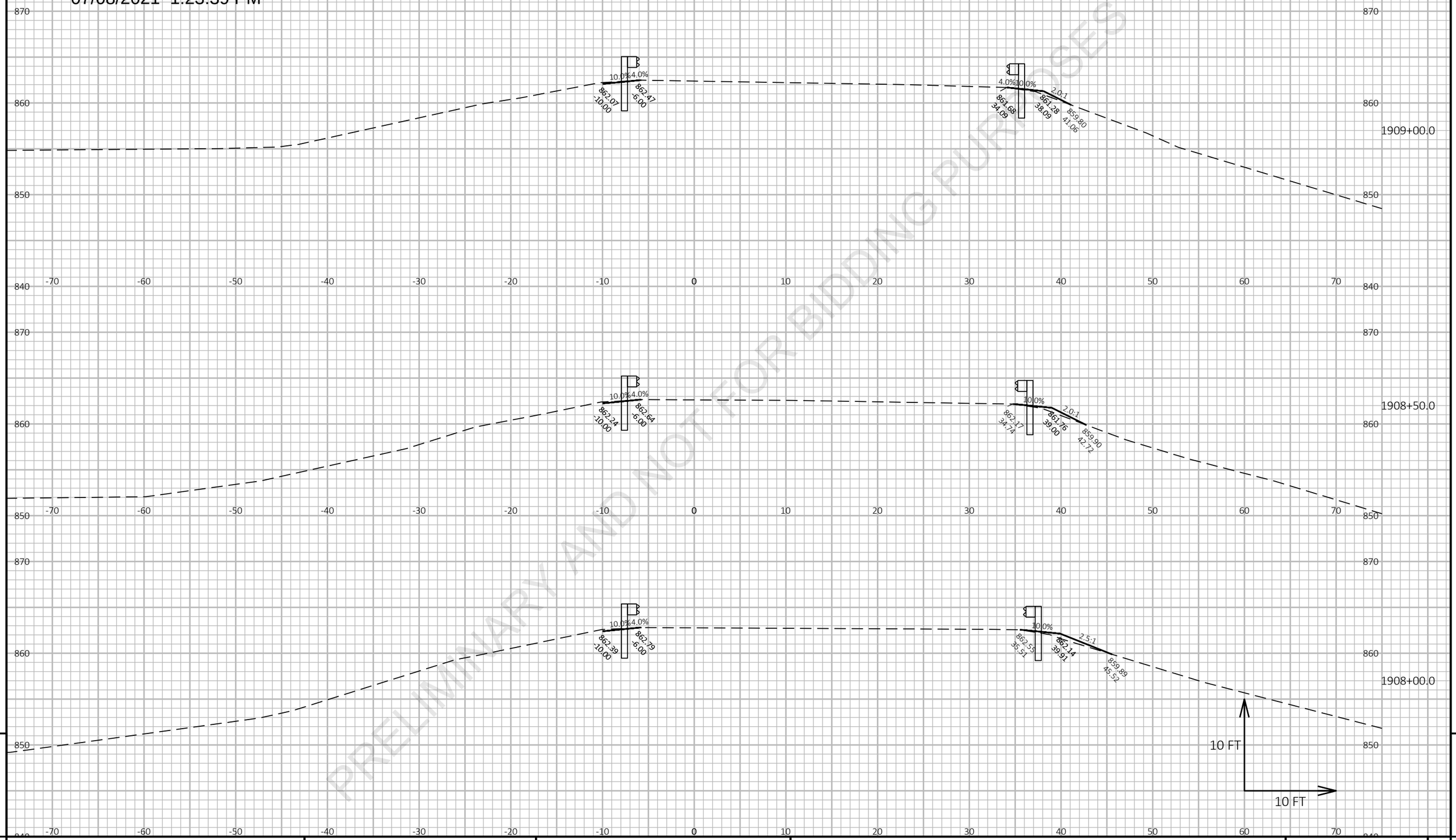
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 4

PLOT DATE : 3/5/2021 3:36 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:39 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 5

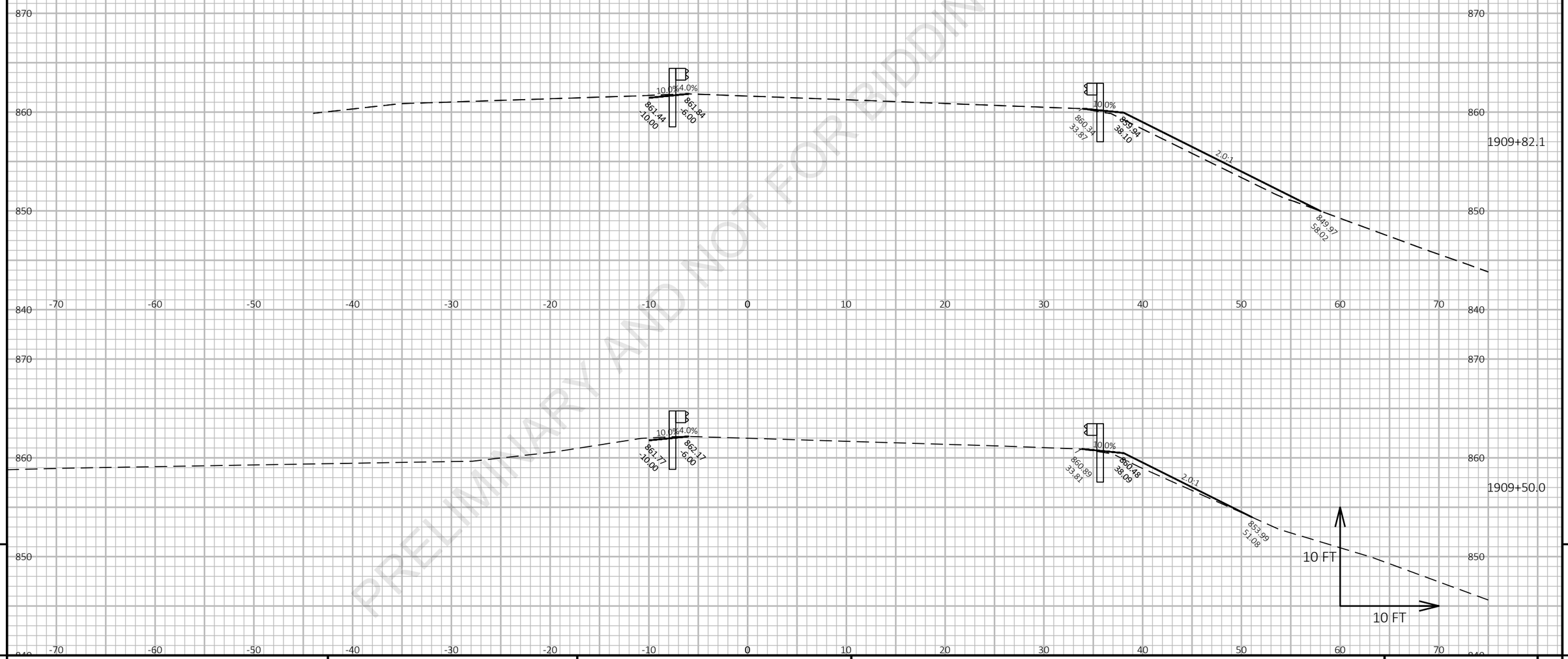
PLOT DATE : 3/5/2021 3:36 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:39 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET E

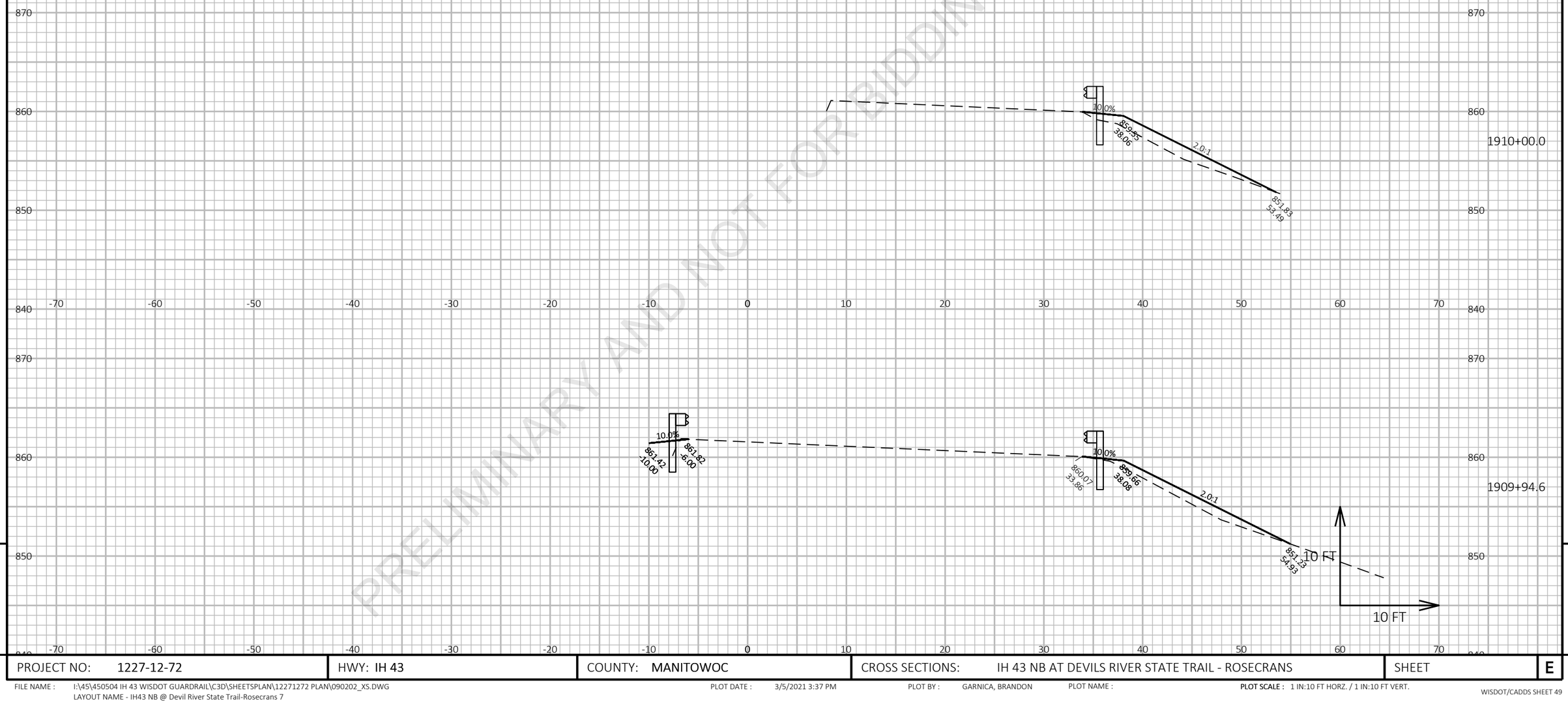
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 6

PLOT DATE : 3/5/2021 3:36 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:39 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVILS RIVER STATE TRAIL - ROSECRANS	SHEET	E

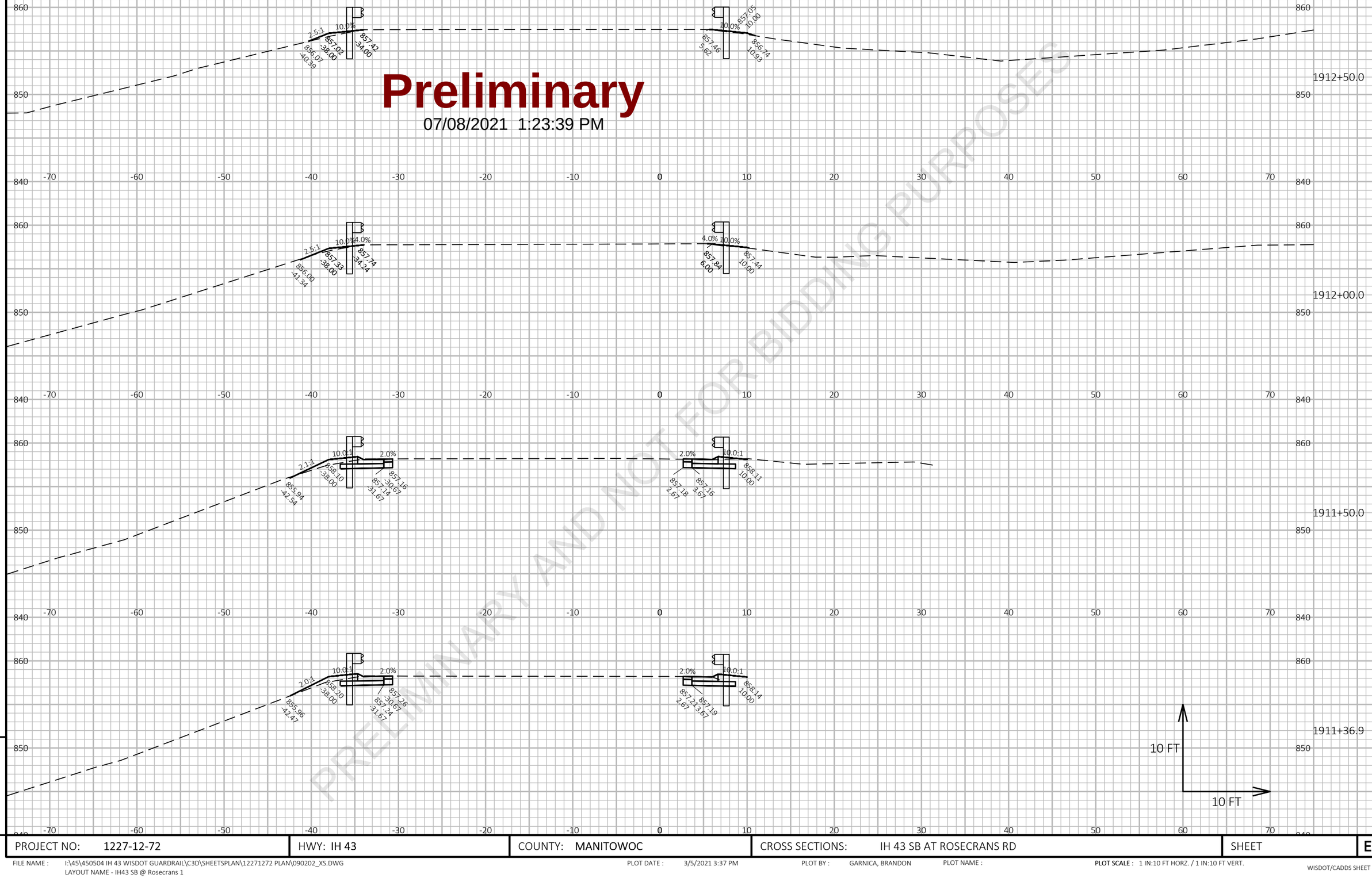
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\122712272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail-Rosecrans 7

PLOT DATE : 3/5/2021 3:37 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:39 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



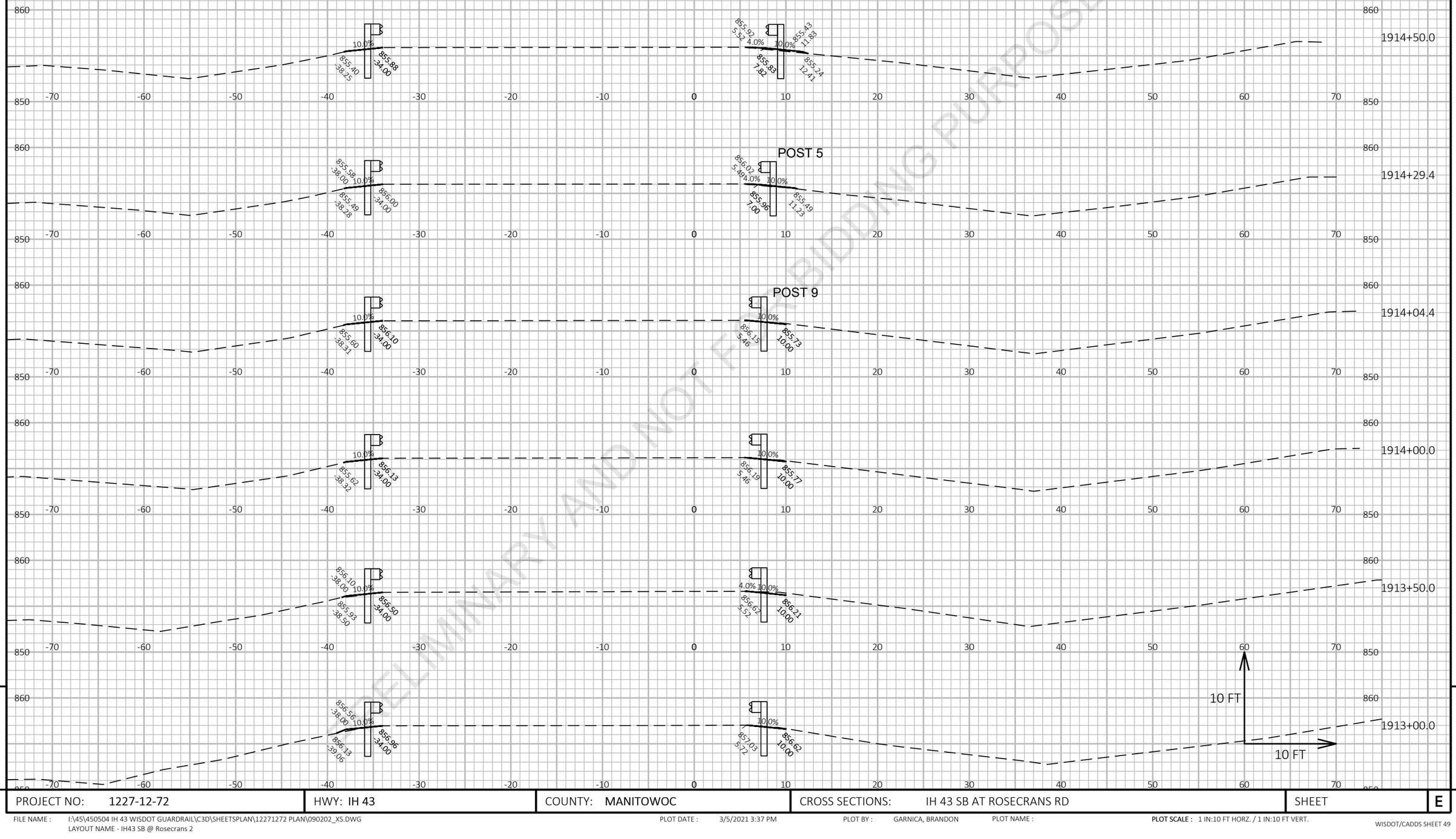
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT ROSECRANS RD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Rosecrans 1

PLOT DATE : 3/5/2021 3:37 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:39 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT ROSECRANS RD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Rosecrans 2

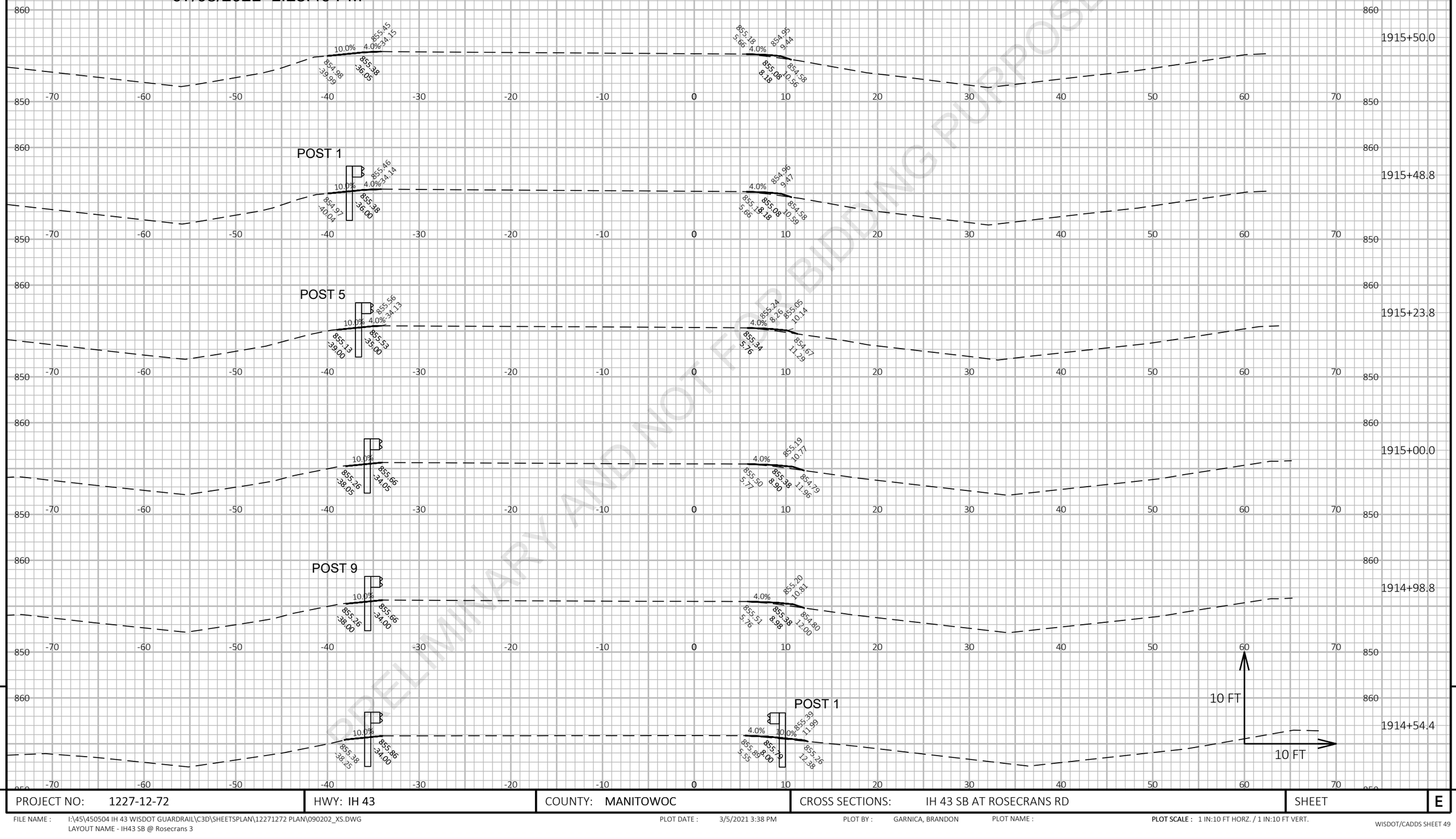
PLOT DATE : 3/5/2021 3:37 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:40 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT ROSECRANS RD	SHEET	E

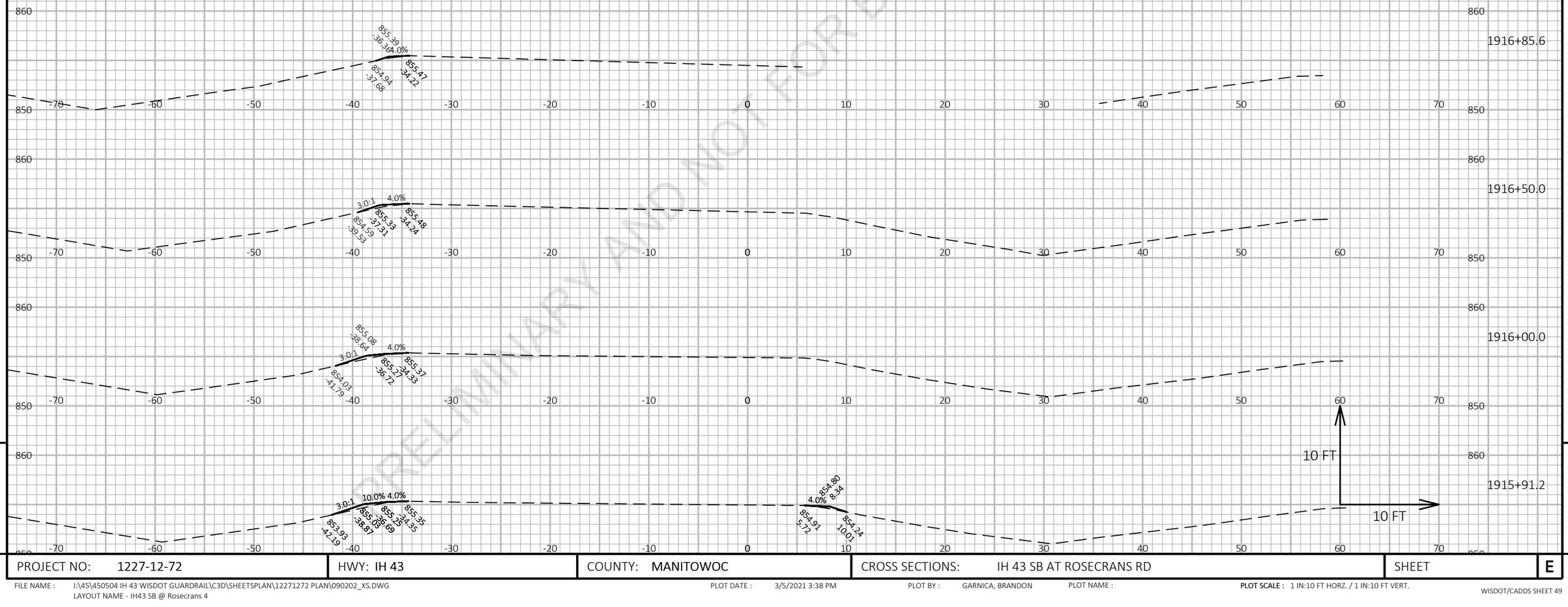
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Rosecrans 3

PLOT DATE : 3/5/2021 3:38 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:40 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

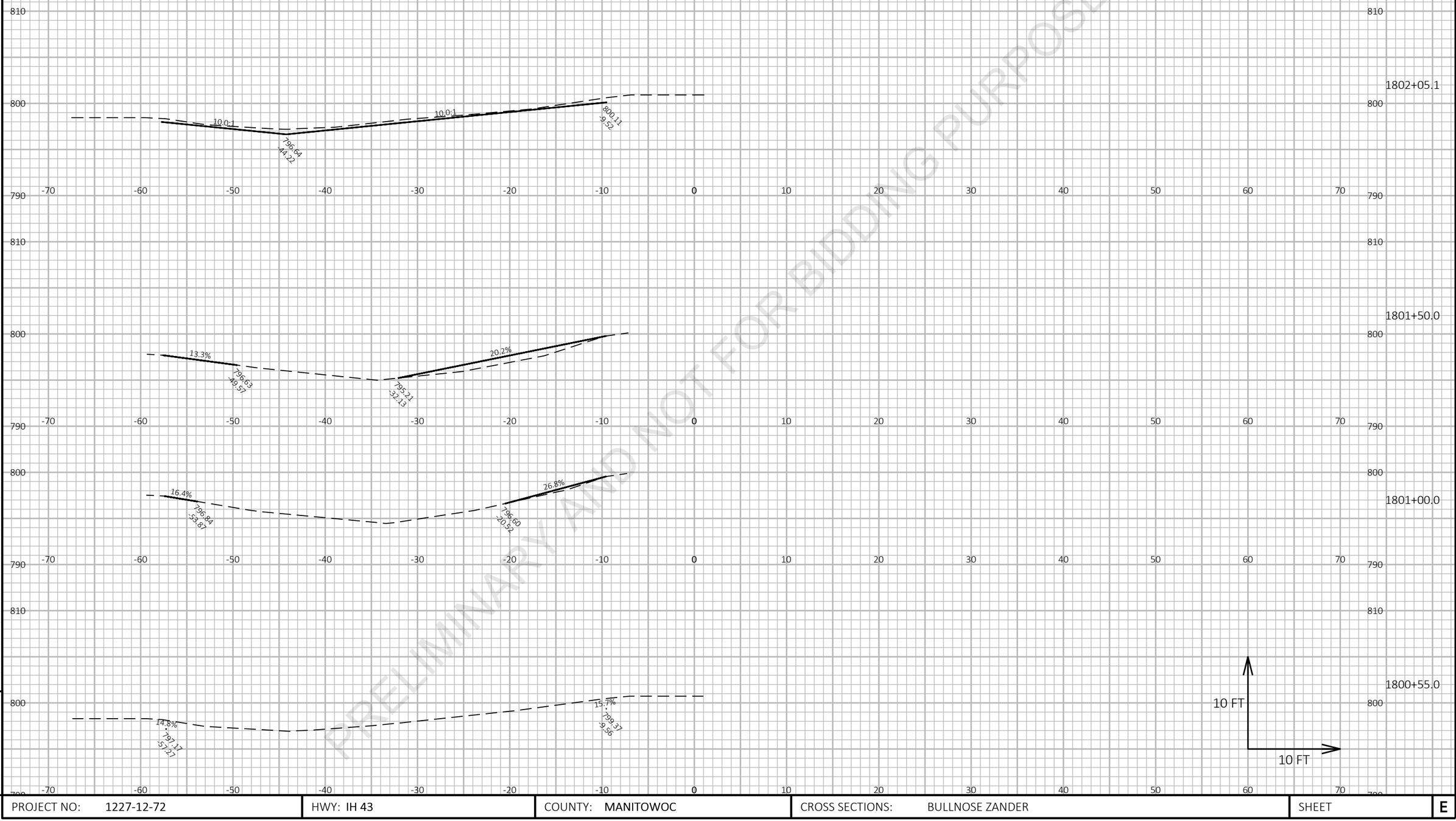
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT ROSECRANS RD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - IH43 SB @ Rosecrans 4

PLOT DATE : 3/5/2021 3:38 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:40 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9 9

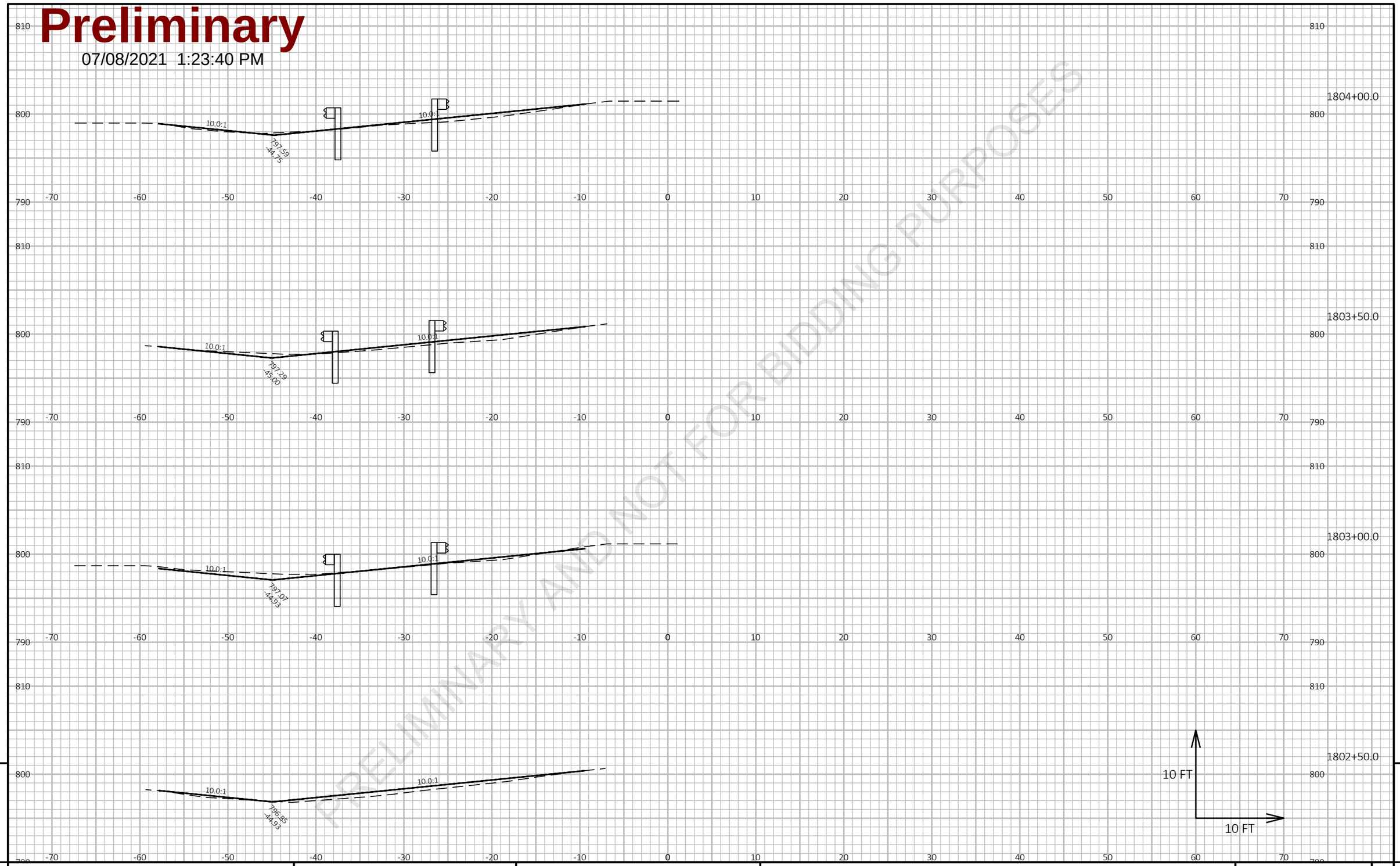
PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE ZANDER	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Zander 1

PLOT DATE : 3/5/2021 3:38 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:40 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE ZANDER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Zander 2

PLOT DATE : 3/5/2021 3:38 PM

PLOT BY : GARNICA, BRANDON

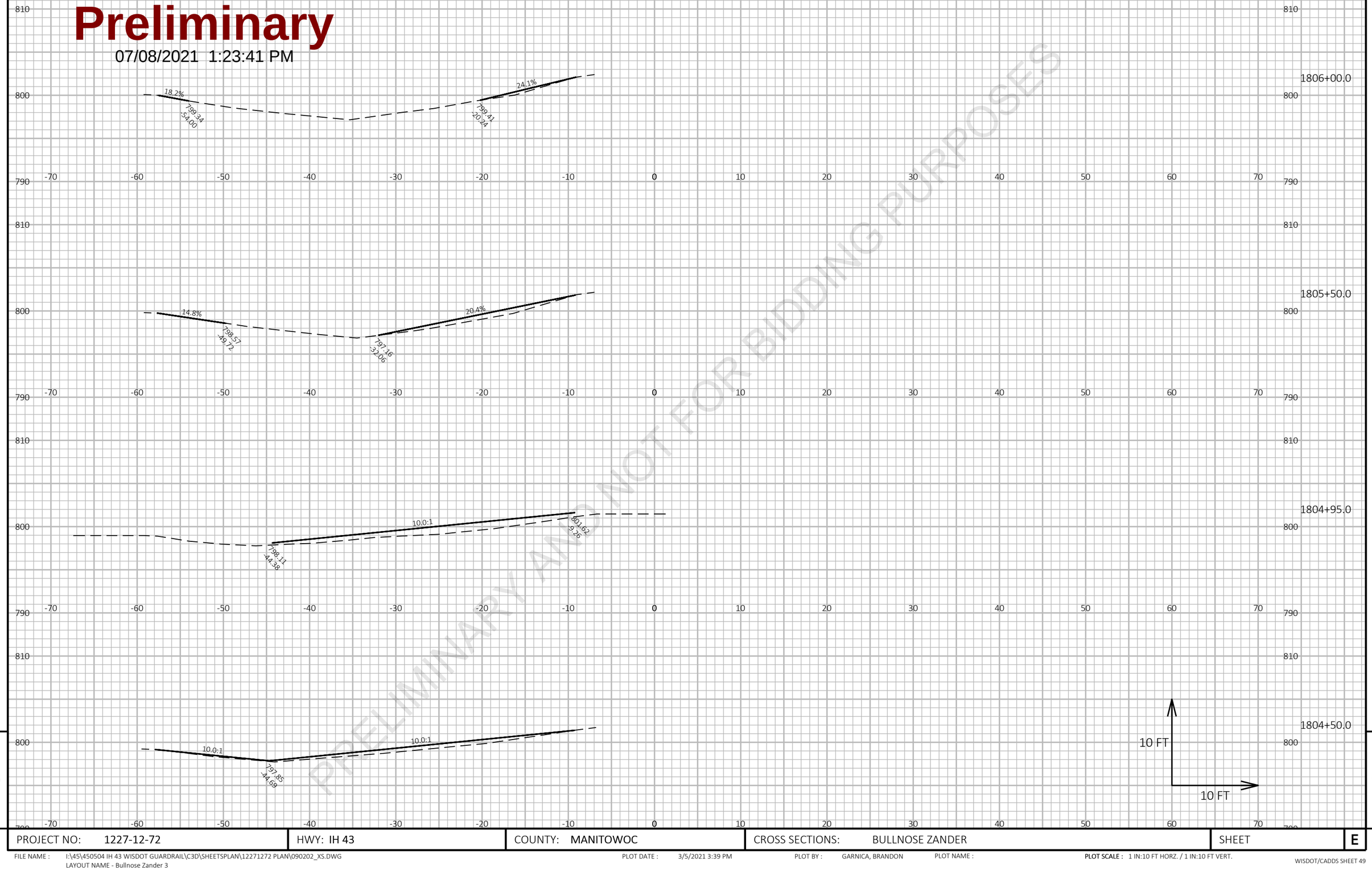
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:41 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE ZANDER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Zander 3

PLOT DATE : 3/5/2021 3:39 PM

PLOT BY : GARNICA, BRANDON

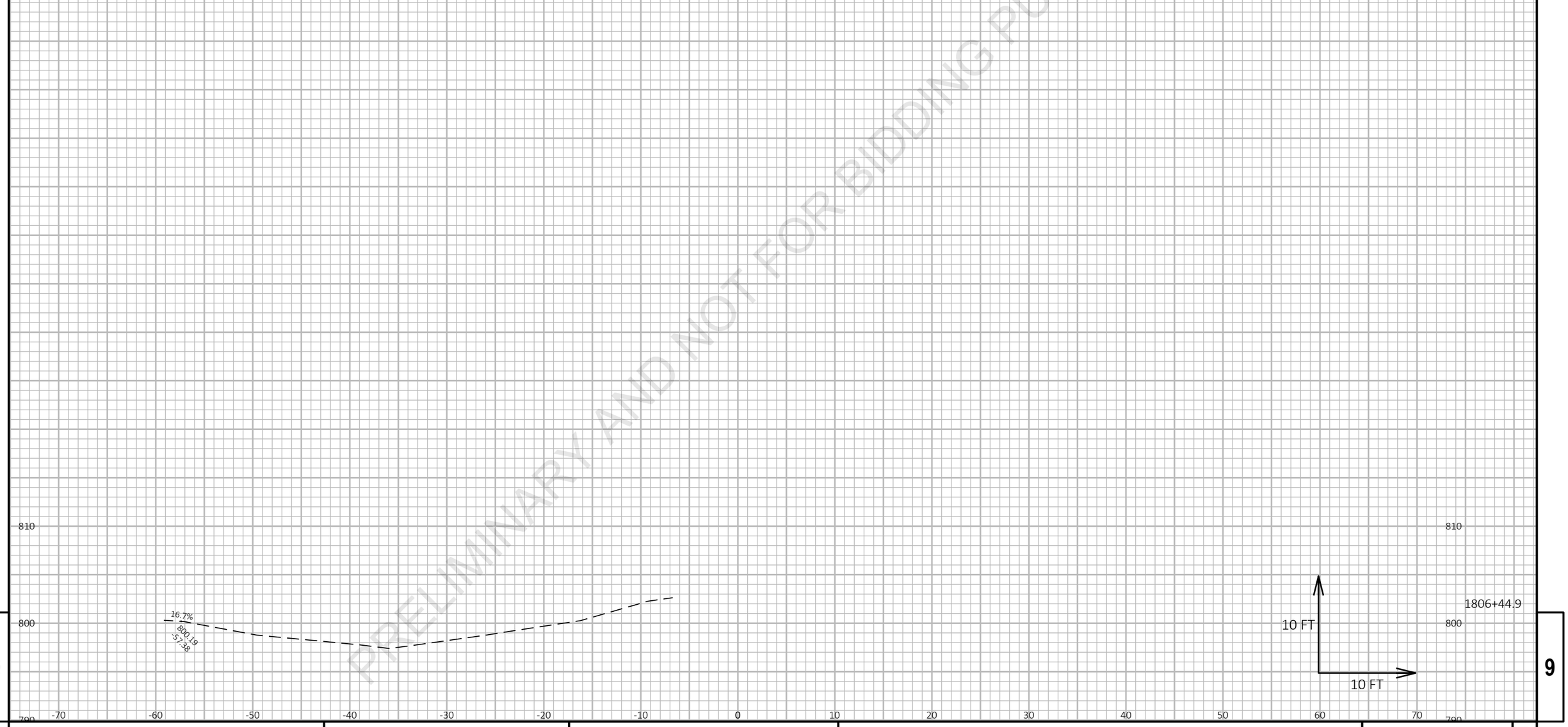
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:41 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE ZANDER	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Zander 4

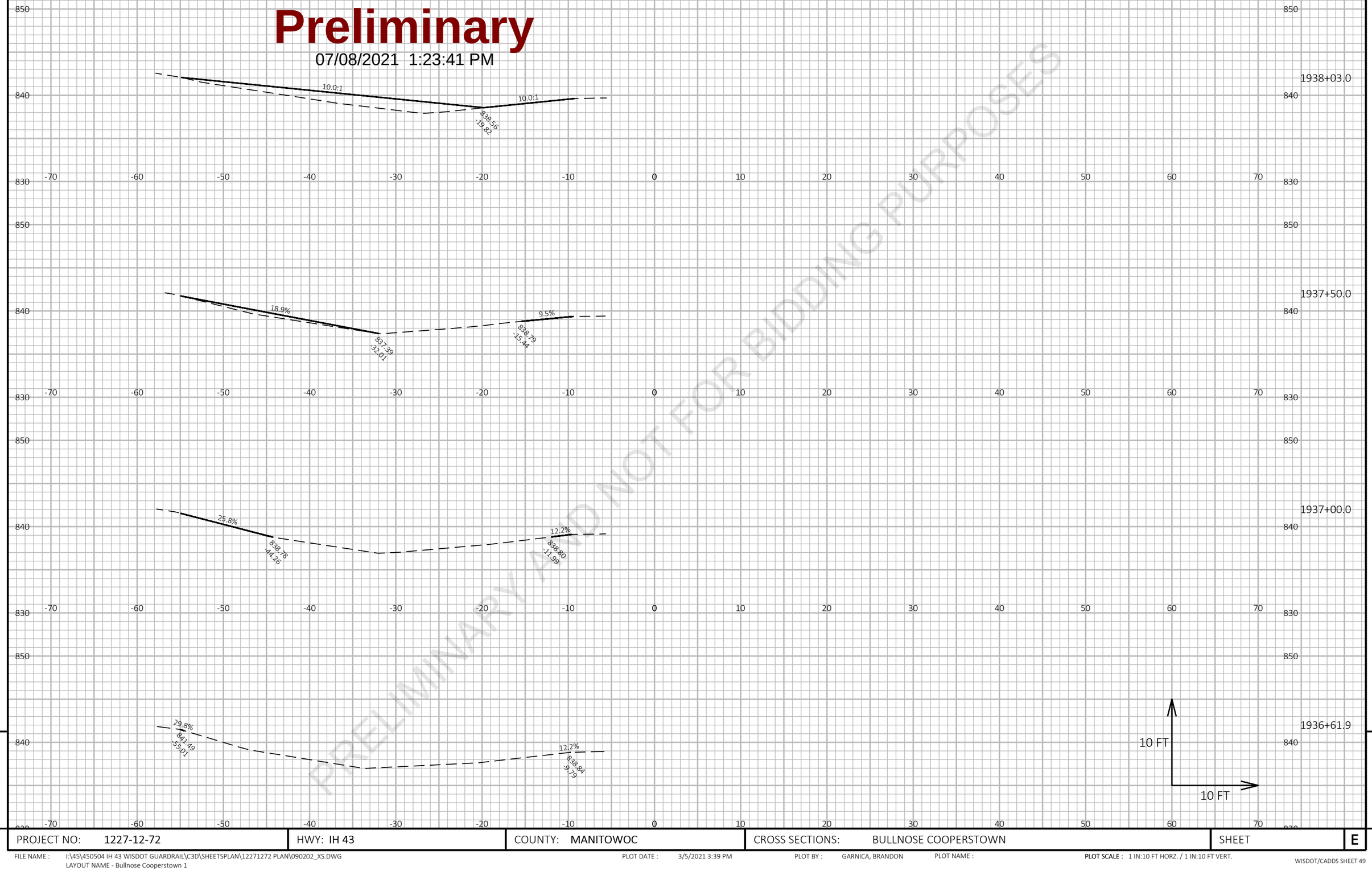
PLOT DATE : 3/5/2021 3:39 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:41 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE COOPERSTOWN	SHEET	E

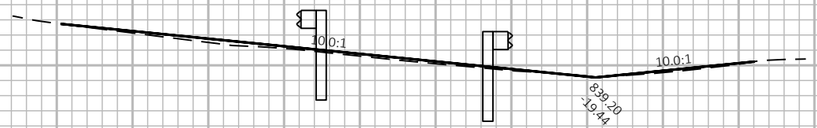
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Cooperstown 1

PLOT DATE : 3/5/2021 3:39 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

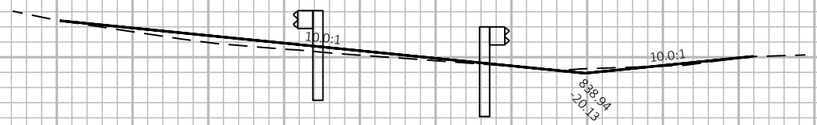
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

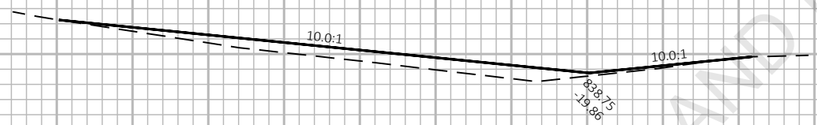
07/08/2021 1:23:41 PM



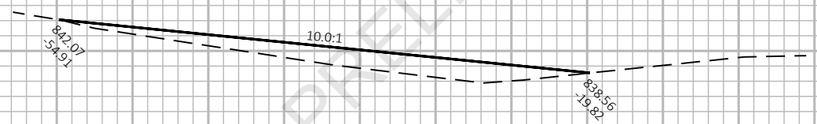
1939+50.0



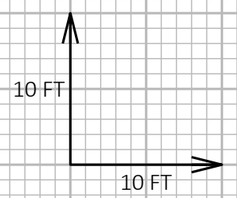
1939+00.0



1938+50.0



1938+03.0



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE COOPERSTOWN	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Cooperstown 2

PLOT DATE : 3/5/2021 3:40 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

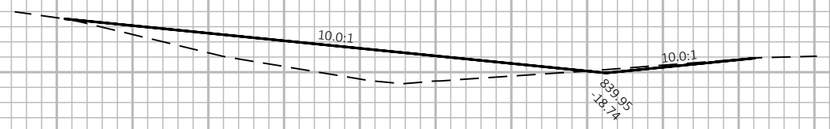
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:41 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

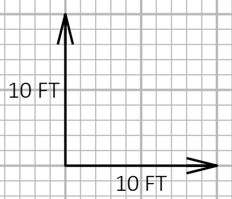
1941+50.0



1940+90.0

1940+50.0

1940+00.0



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE COOPERSTOWN	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Cooperstown 3

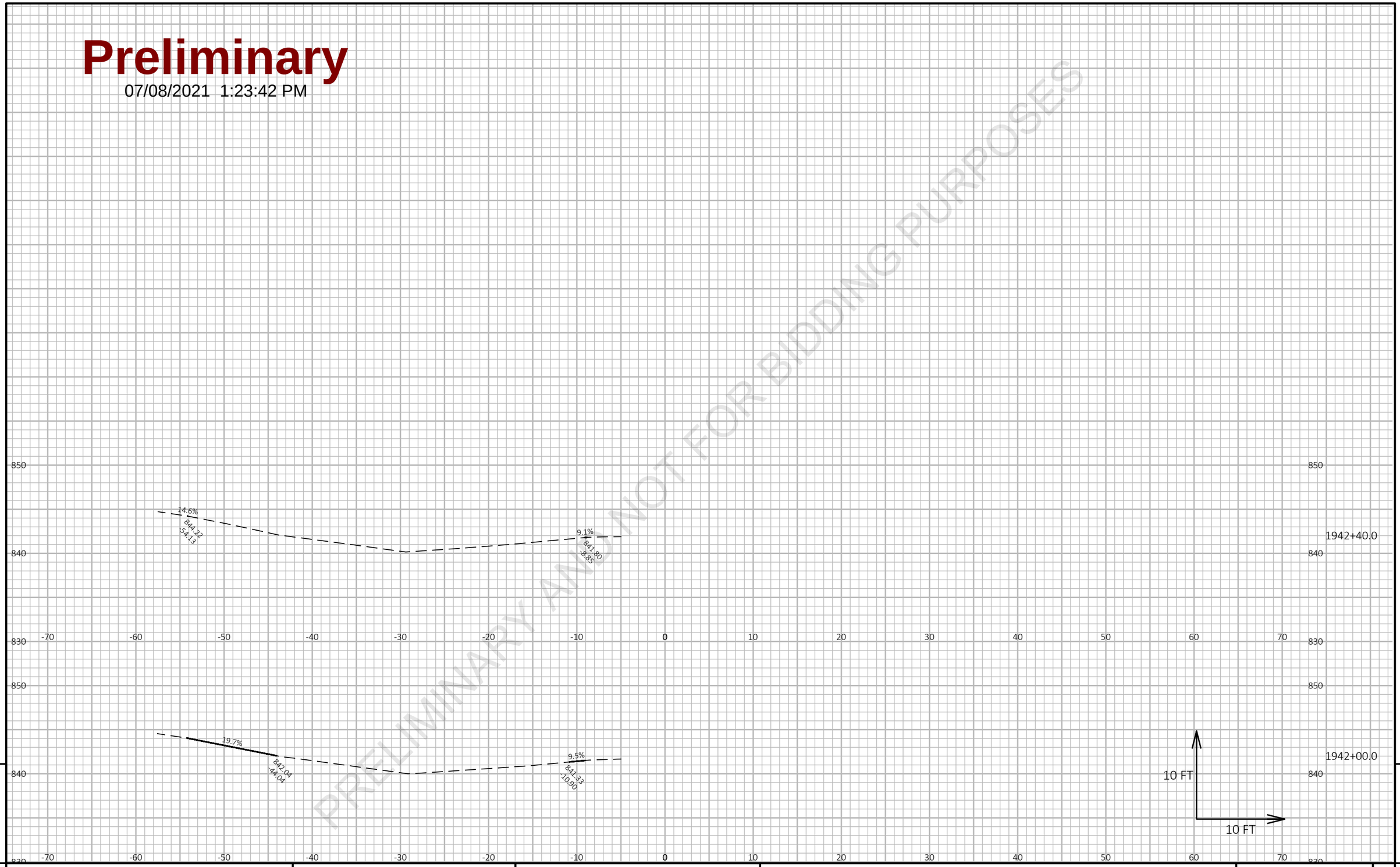
PLOT DATE : 3/5/2021 3:40 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:42 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE COOPERSTOWN	SHEET	E

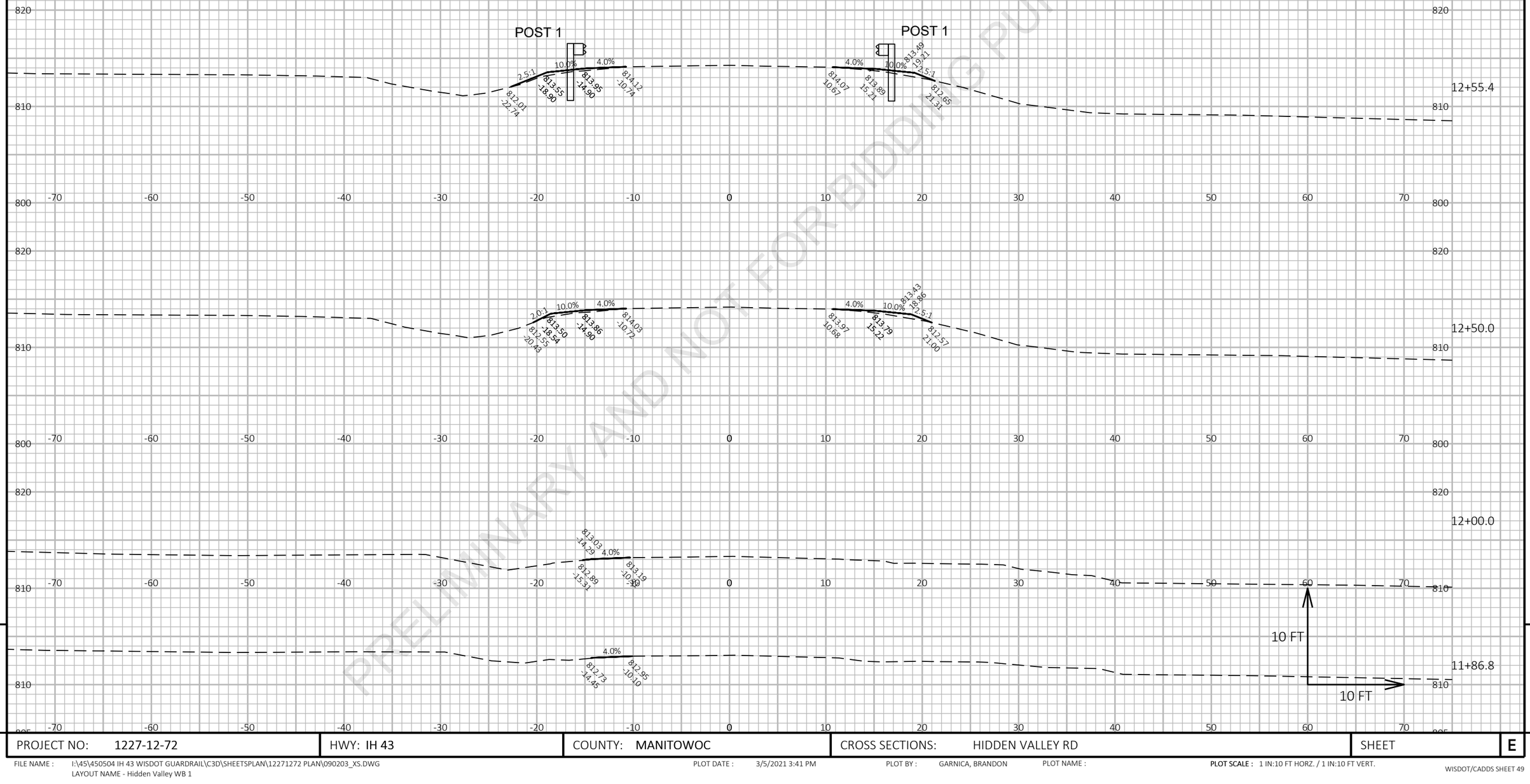
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090202_XS.DWG
LAYOUT NAME - Bullnose Cooperstown 4

PLOT DATE : 3/5/2021 3:40 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:42 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HIDDEN VALLEY RD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Hidden Valley WB 1

PLOT DATE : 3/5/2021 3:41 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

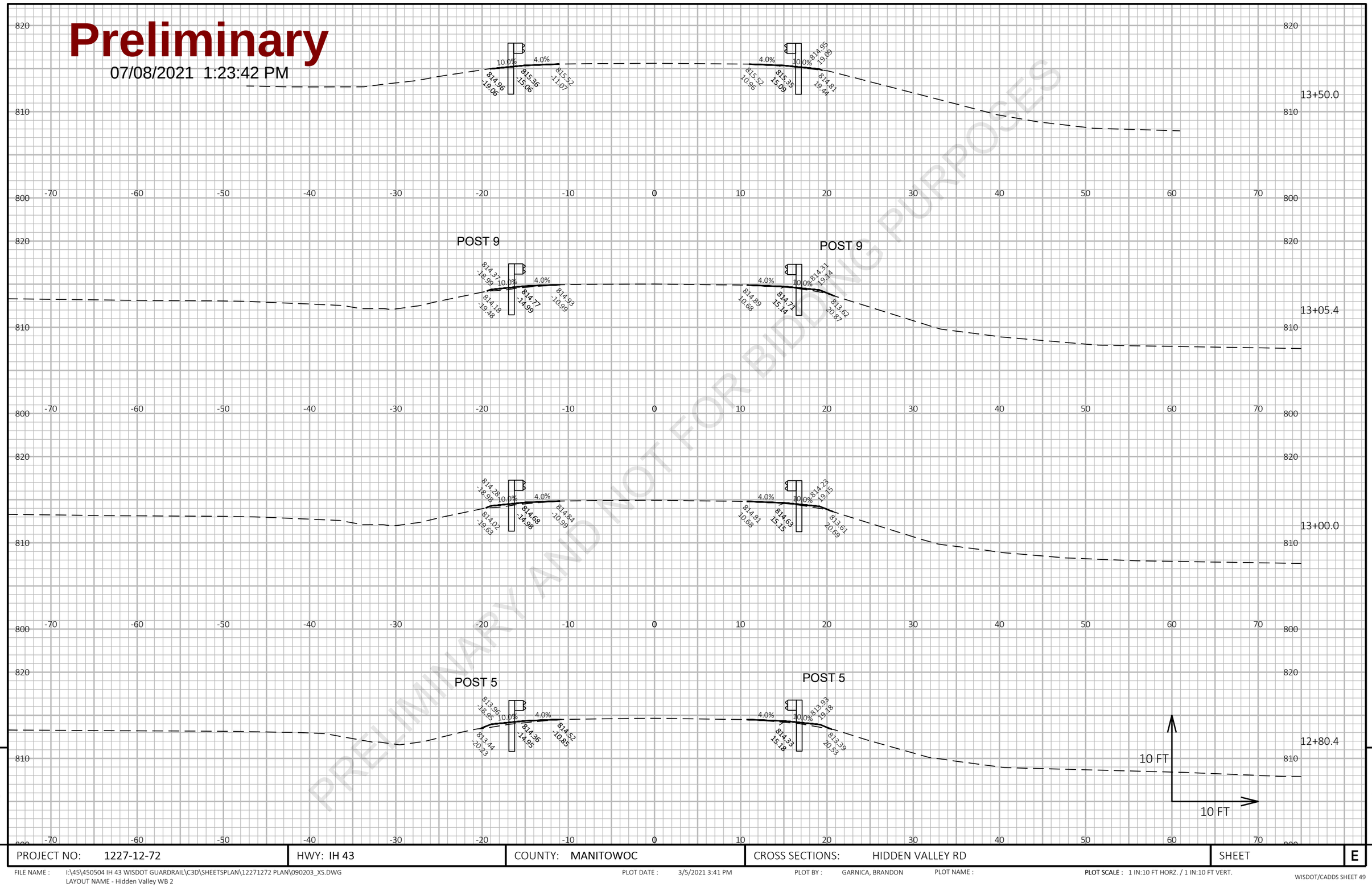
WISDOT/CADDS SHEET 49

9

Preliminary

07/08/2021 1:23:42 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HIDDEN VALLEY RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Hidden Valley WB 2

PLOT DATE : 3/5/2021 3:41 PM

PLOT BY : GARNICA, BRANDON

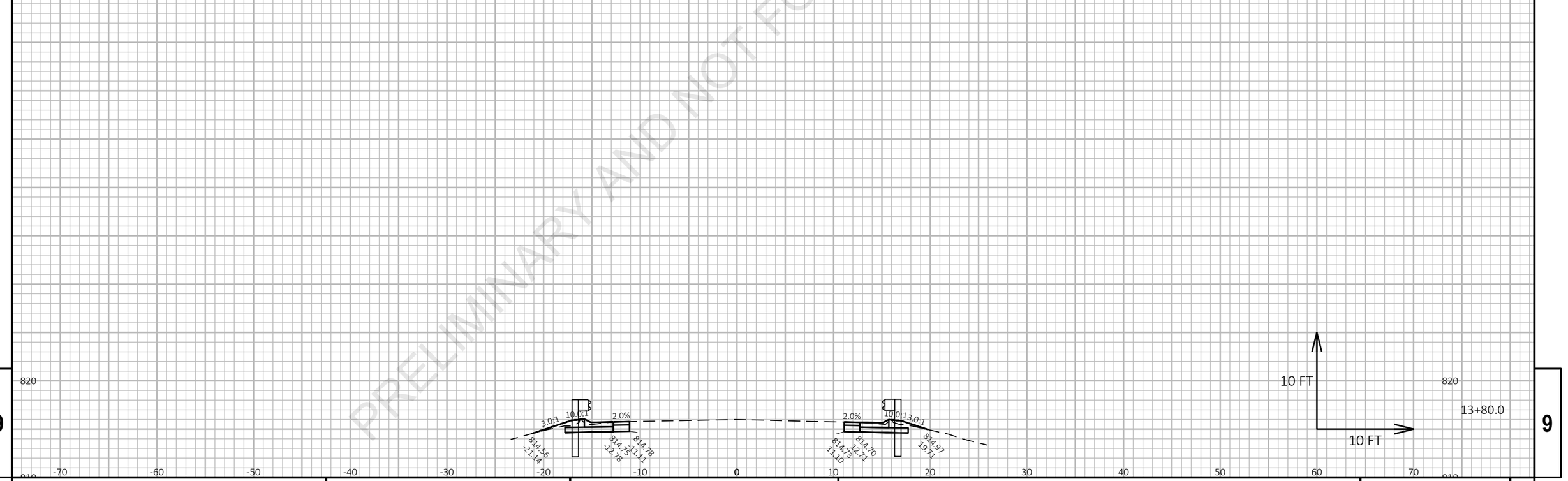
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:42 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HIDDEN VALLEY RD	SHEET	E

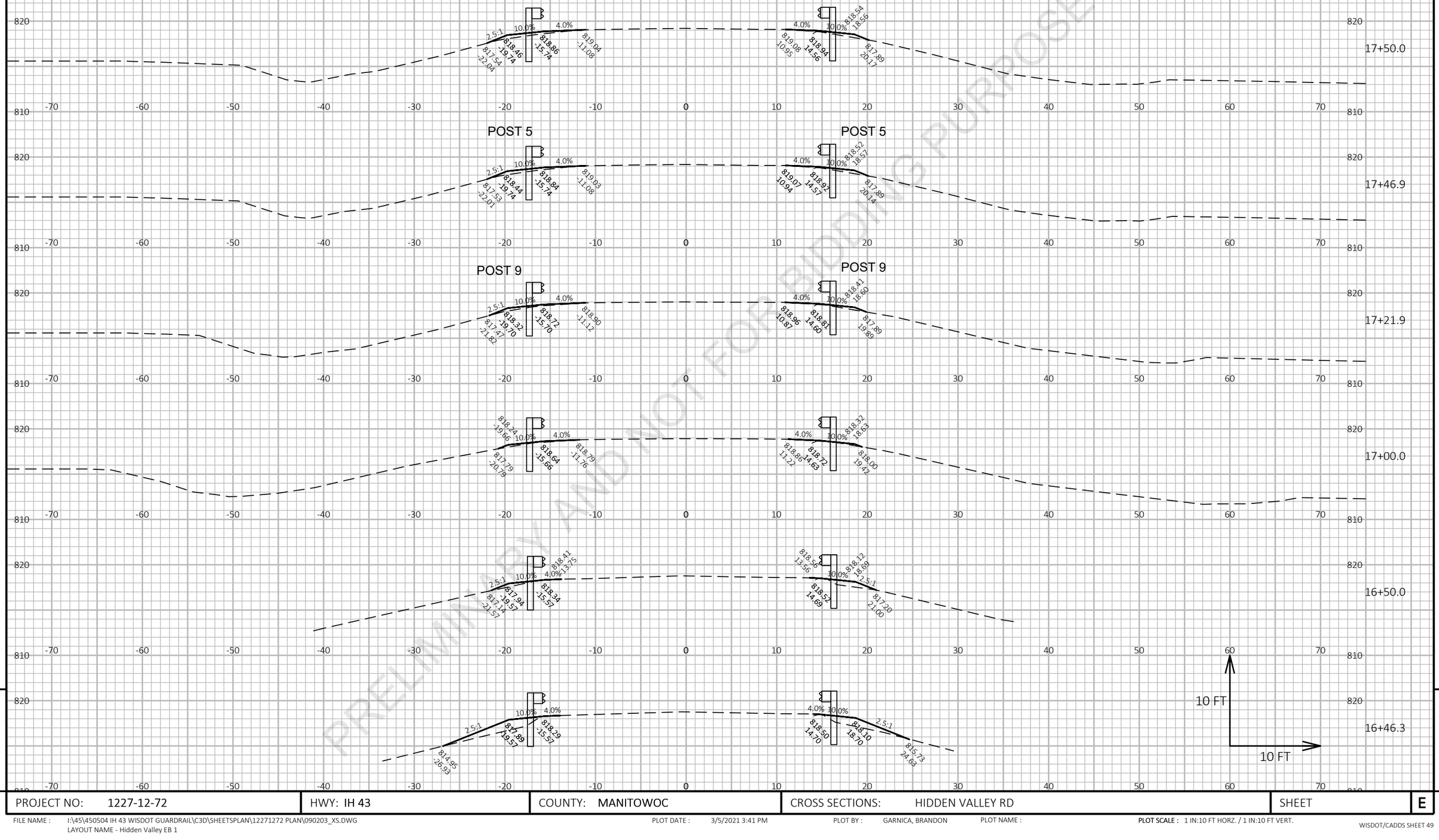
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Hidden Valley WB 3

PLOT DATE : 3/5/2021 3:41 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:42 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HIDDEN VALLEY RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Hidden Valley EB 1

PLOT DATE : 3/5/2021 3:41 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

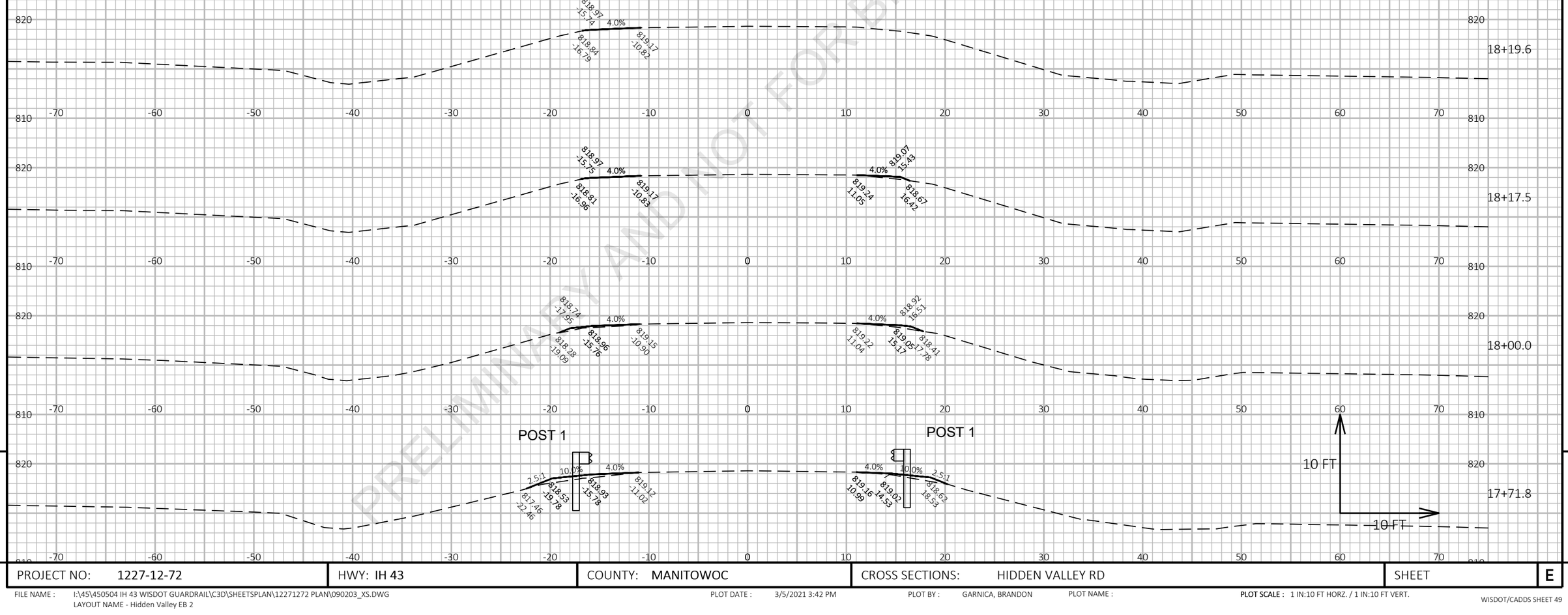
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:43 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HIDDEN VALLEY RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Hidden Valley EB 2

PLOT DATE : 3/5/2021 3:42 PM

PLOT BY : GARNICA, BRANDON

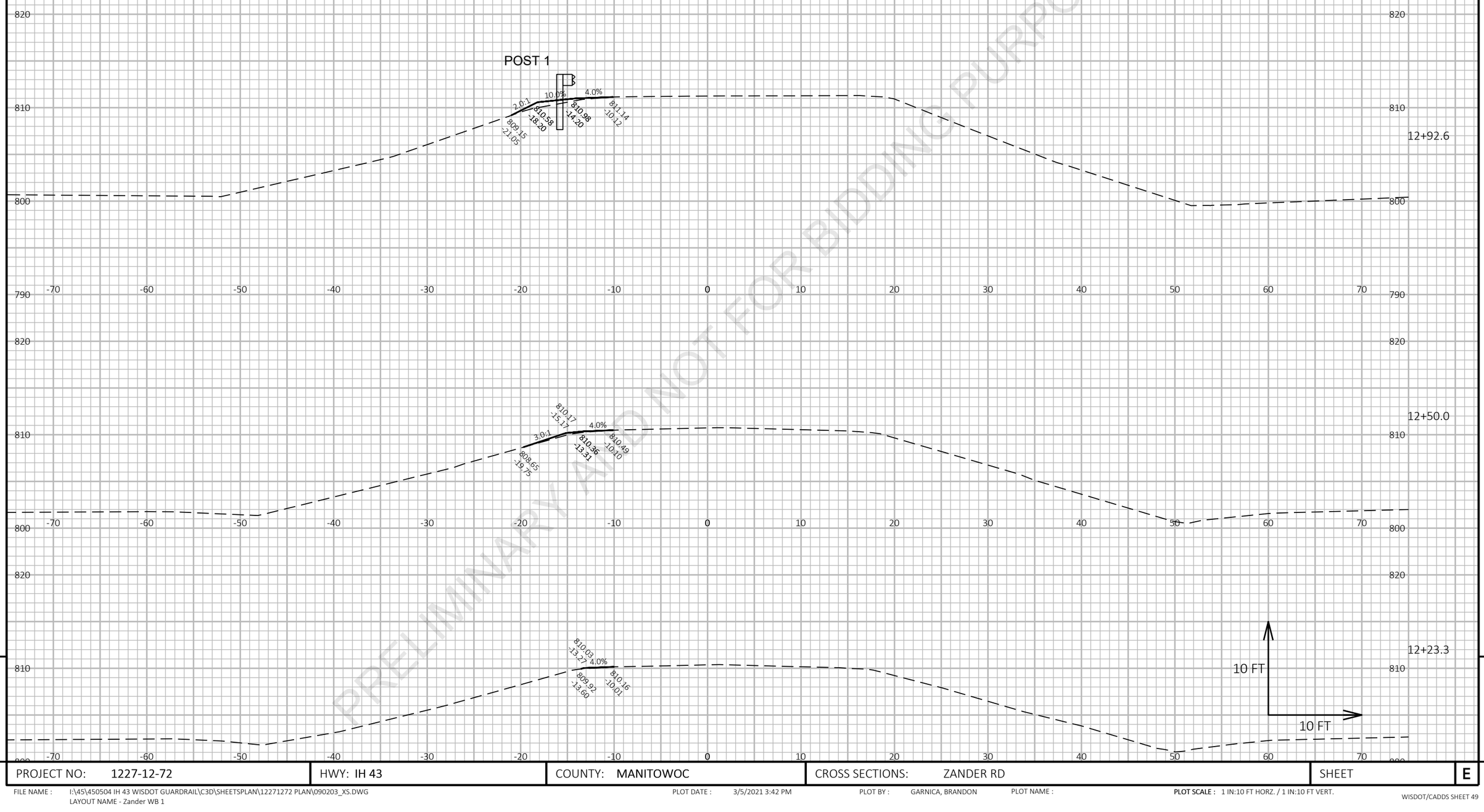
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:43 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander WB 1

PLOT DATE : 3/5/2021 3:42 PM

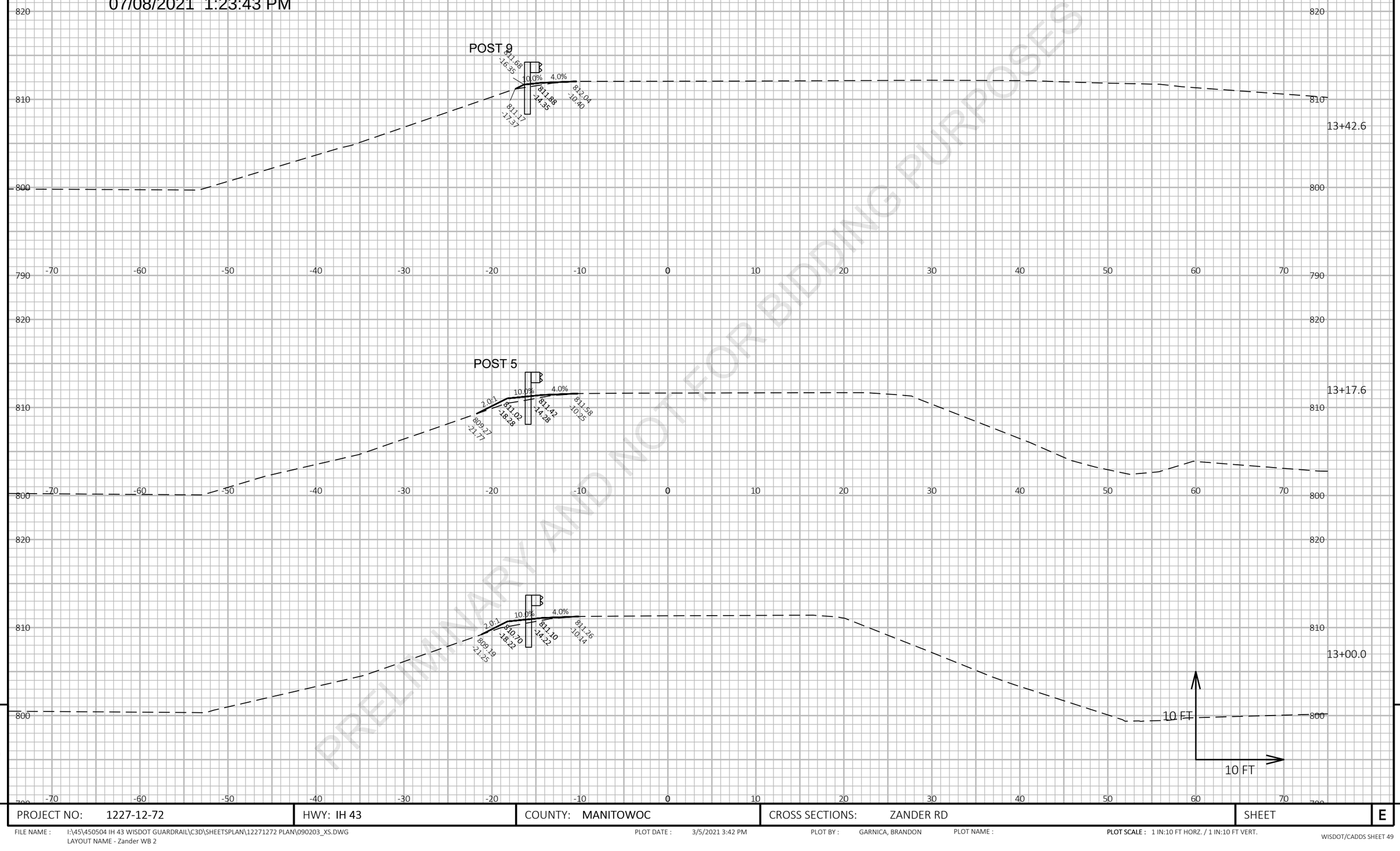
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:43 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander WB 2

PLOT DATE : 3/5/2021 3:42 PM

PLOT BY : GARNICA, BRANDON

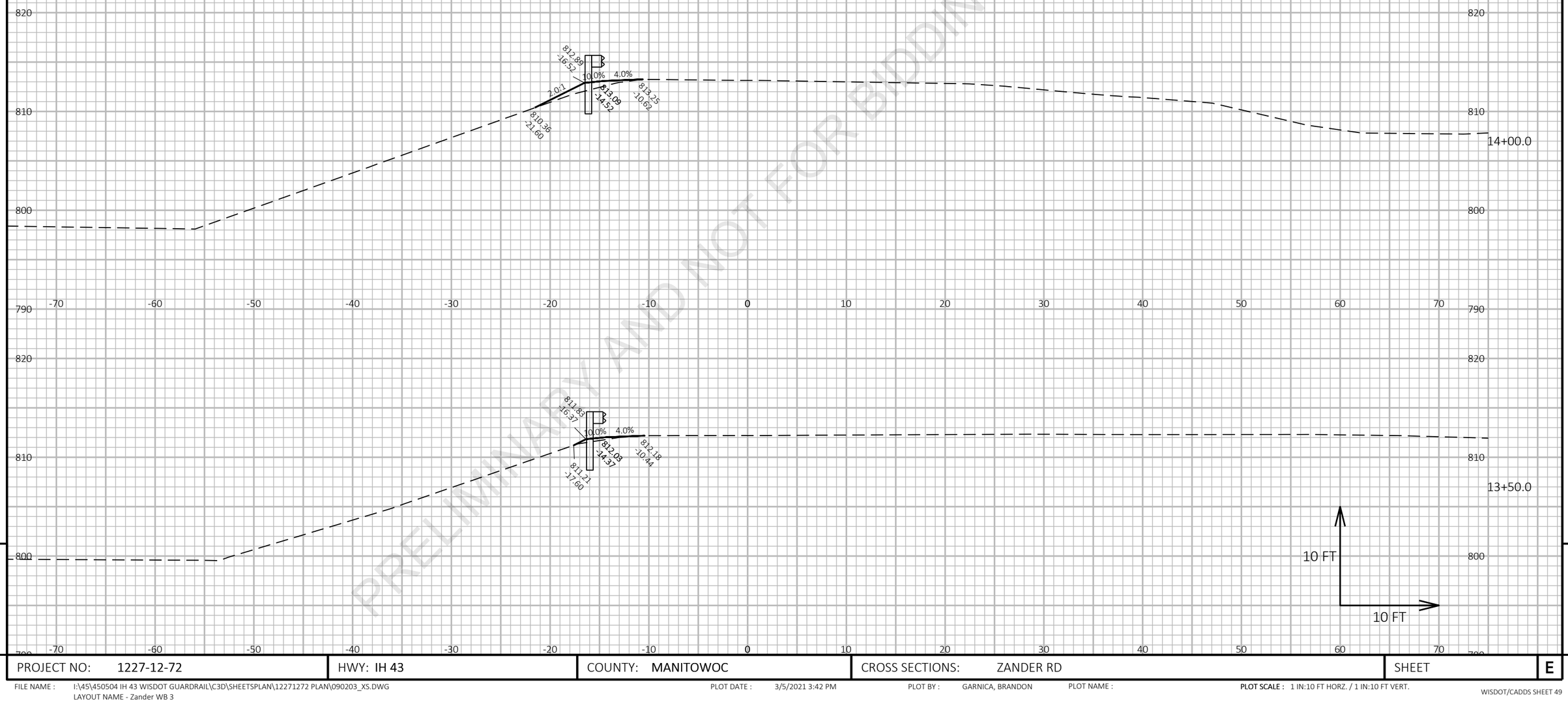
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:43 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander WB 3

PLOT DATE : 3/5/2021 3:42 PM

PLOT BY : GARNICA, BRANDON

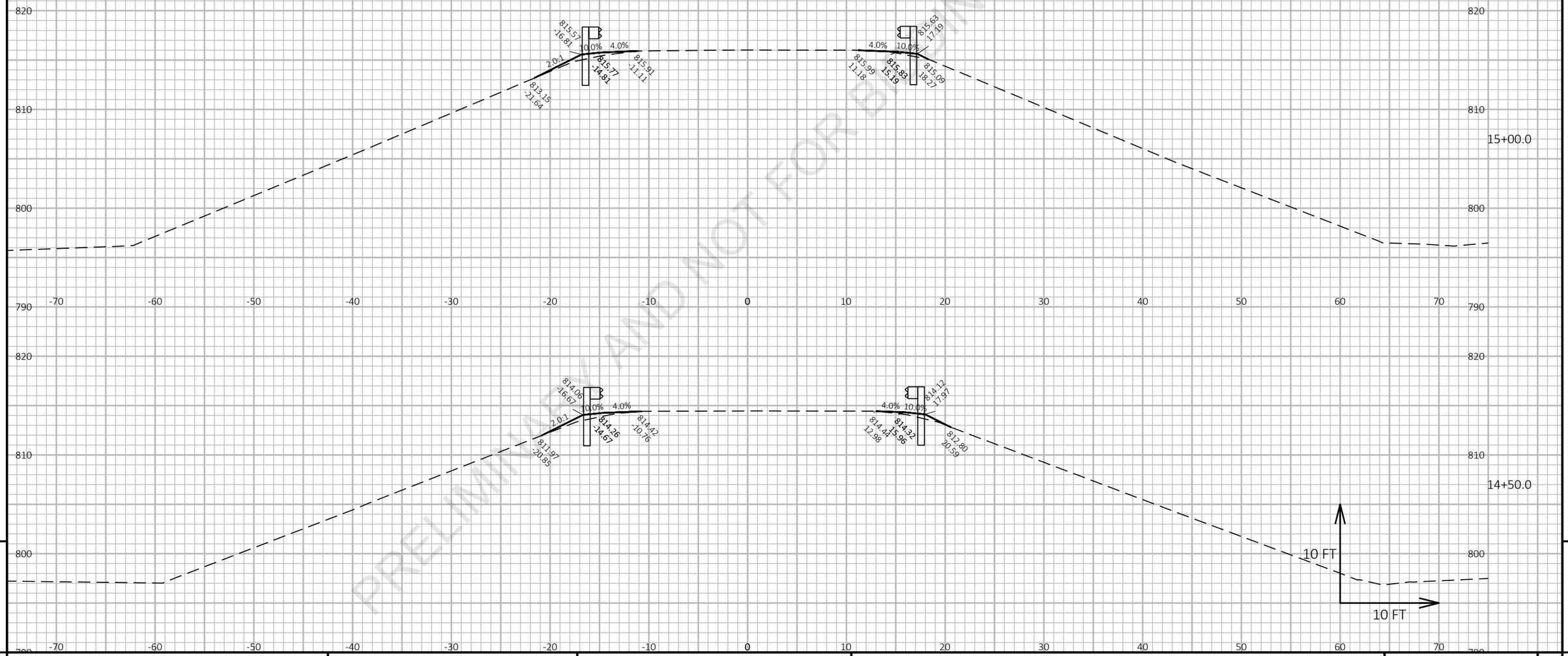
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:44 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander WB 4

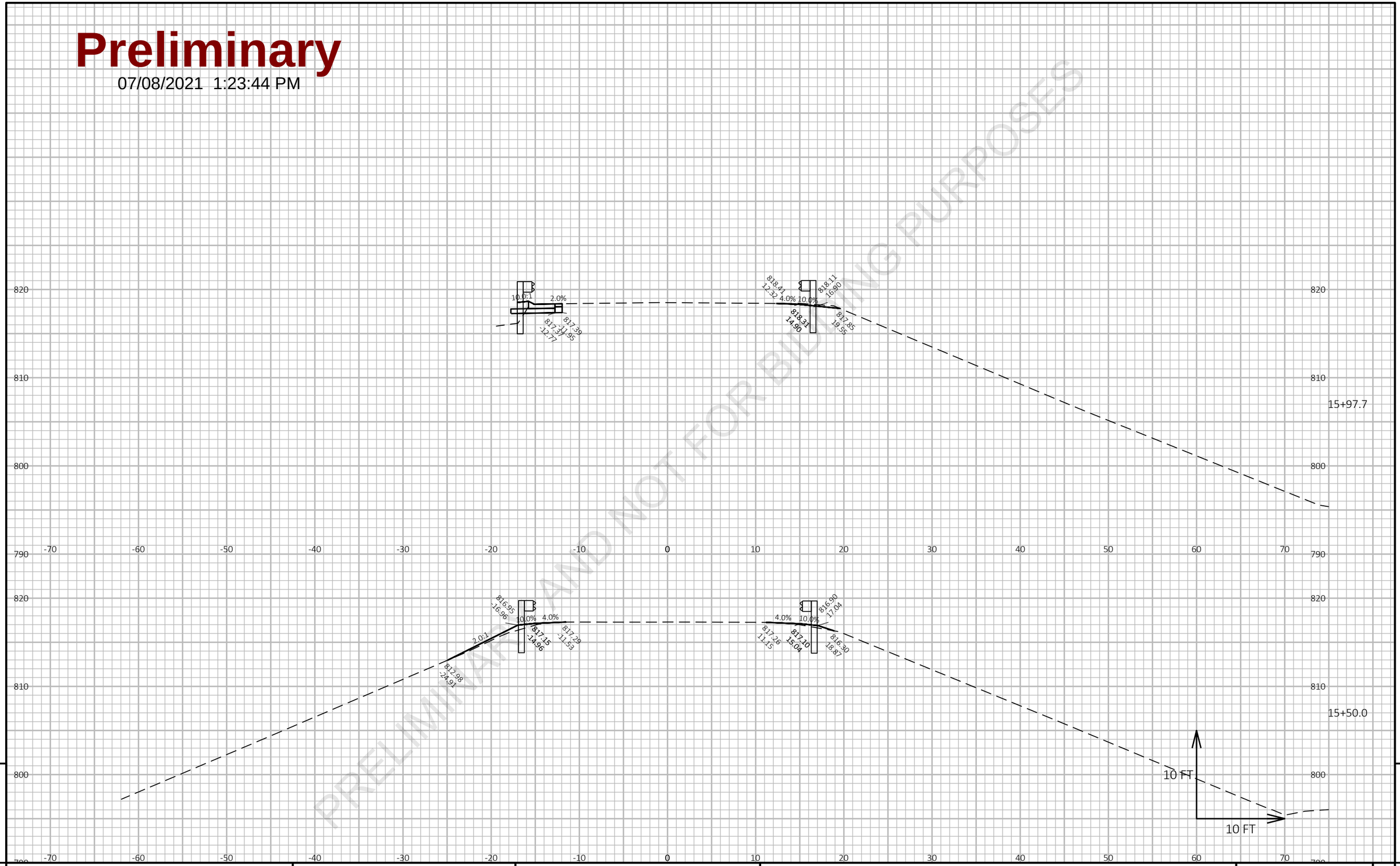
PLOT DATE : 3/5/2021 3:42 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:44 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander WB 5

PLOT DATE : 3/5/2021 3:42 PM

PLOT BY : GARNICA, BRANDON

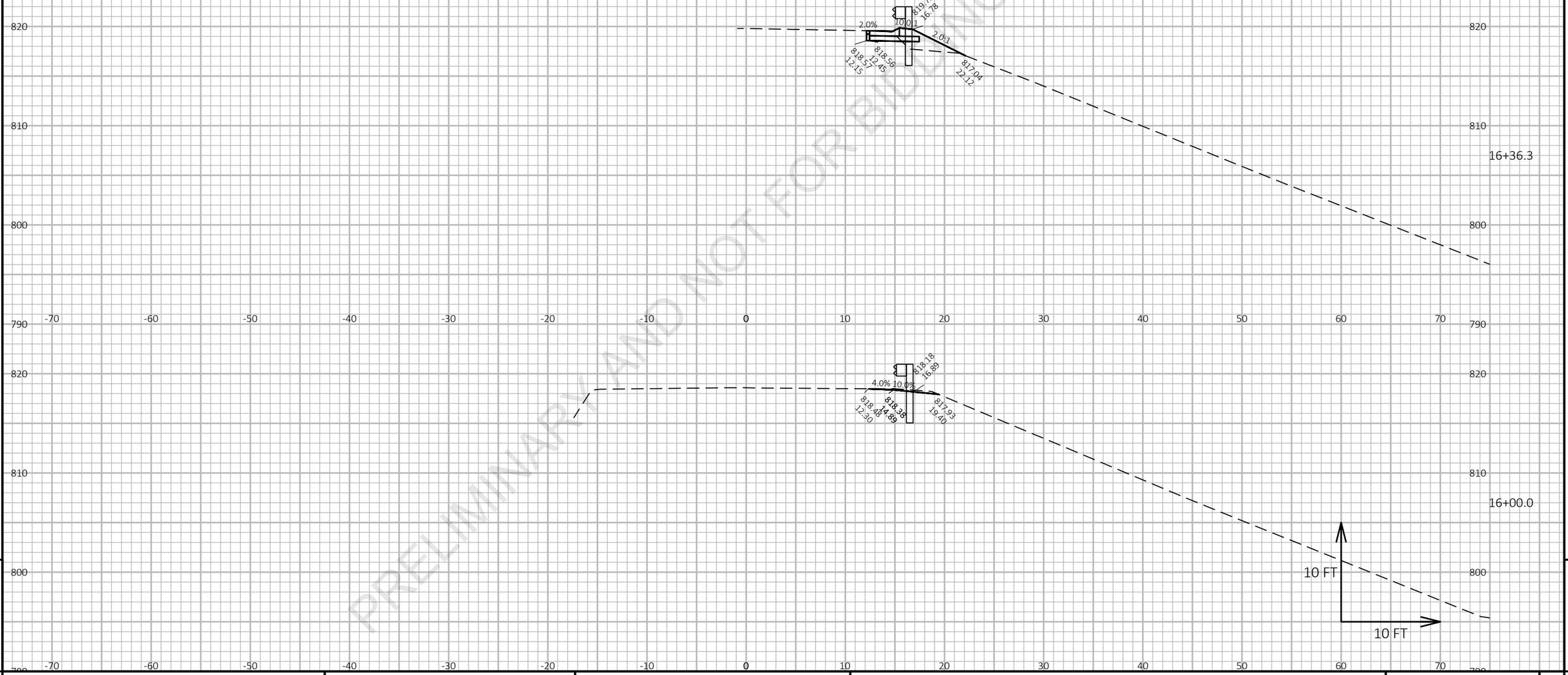
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:44 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander WB 6

PLOT DATE : 3/5/2021 3:42 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

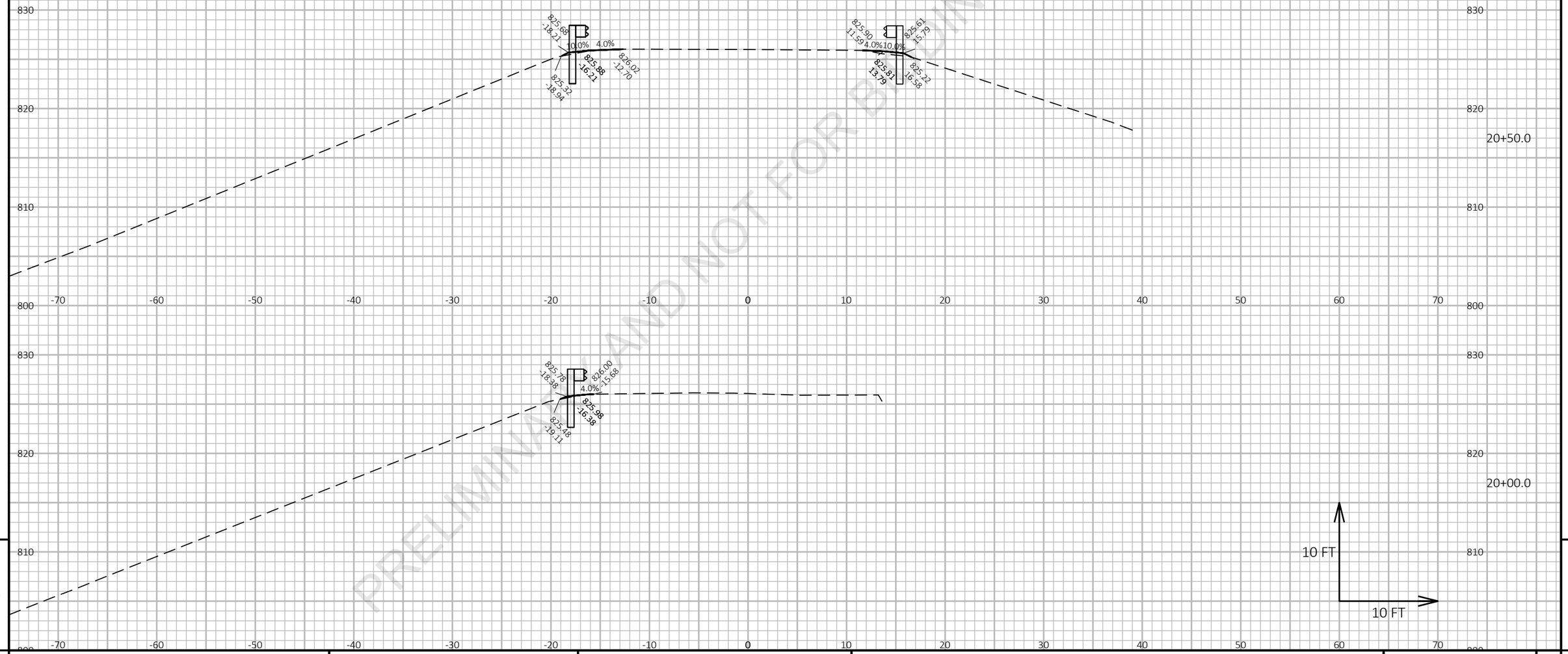
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:44 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 1

PLOT DATE : 3/5/2021 3:43 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

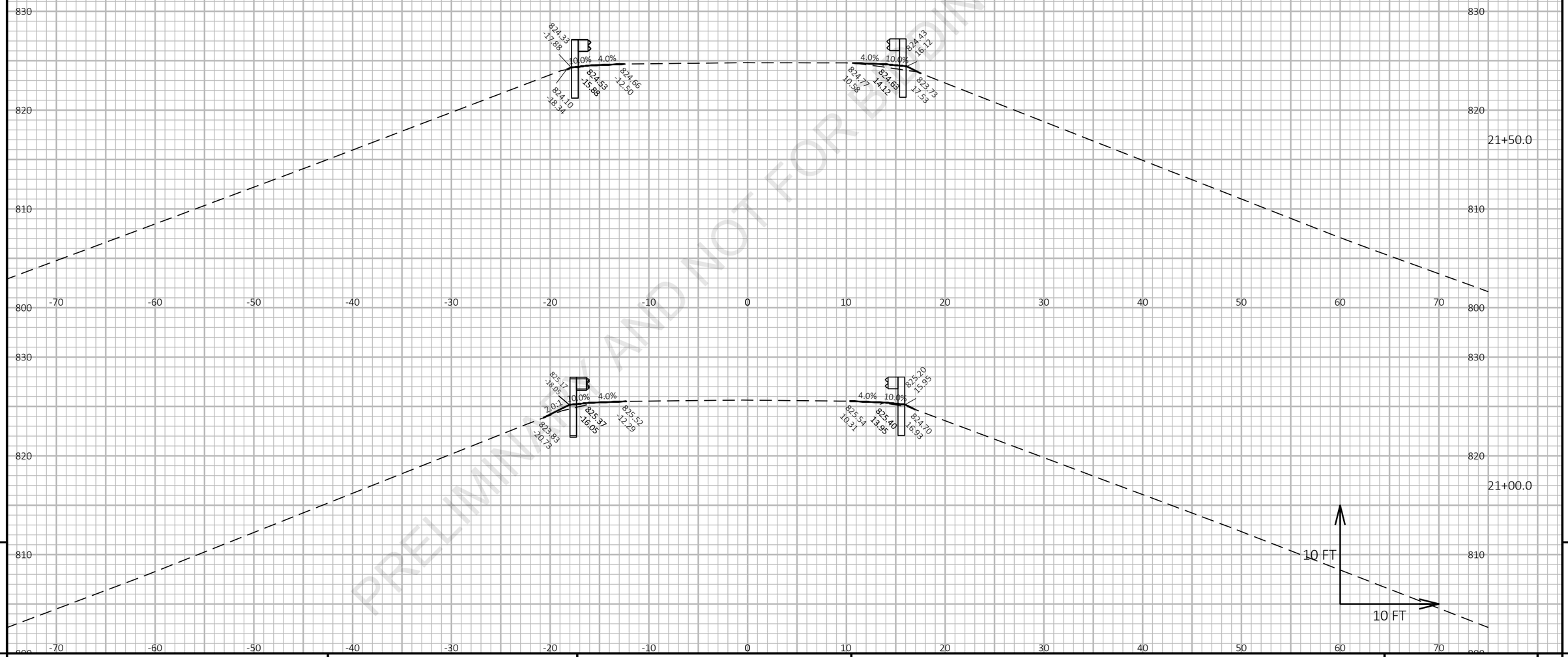
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:44 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 2

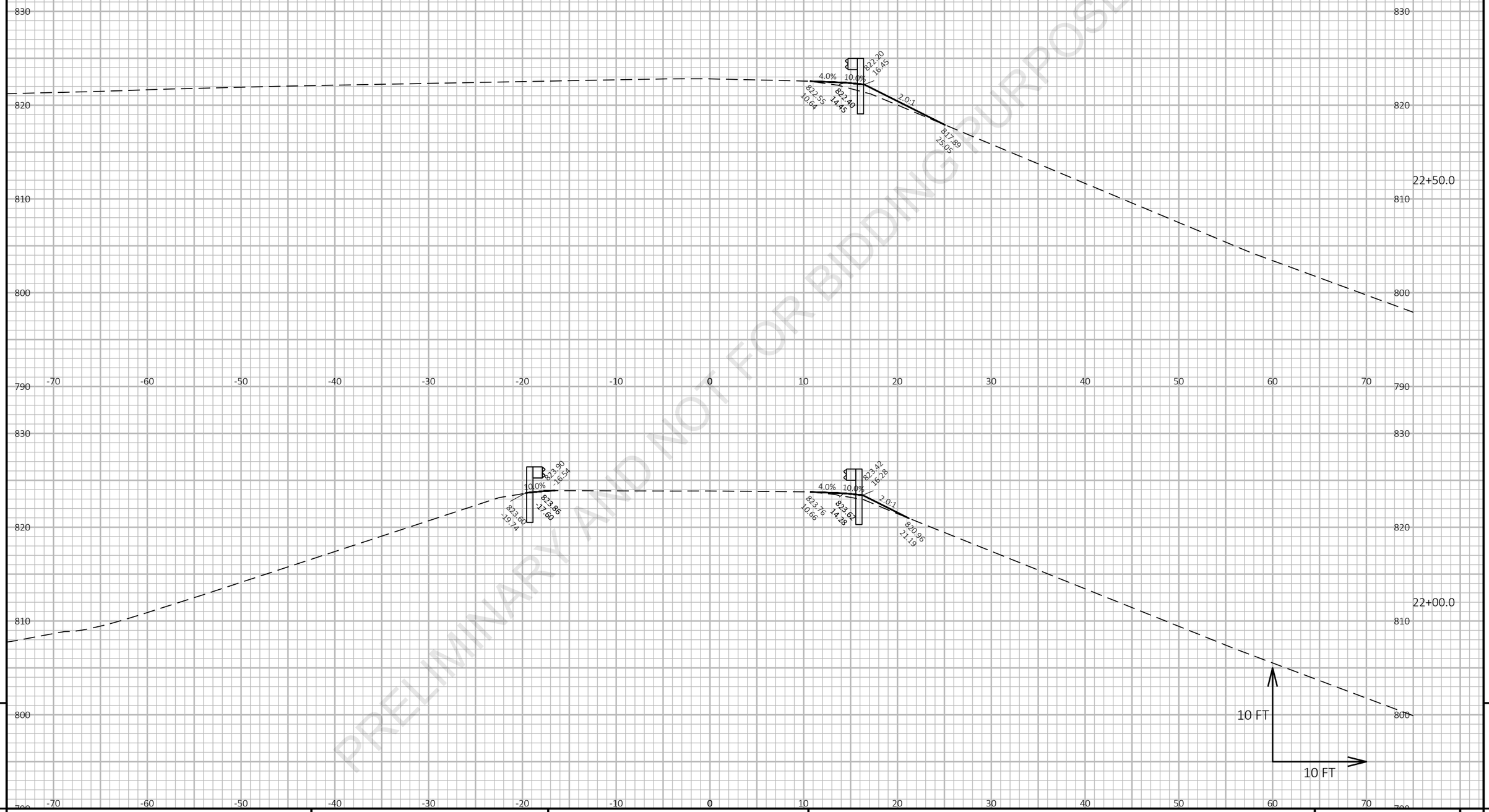
PLOT DATE : 3/5/2021 3:43 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:45 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

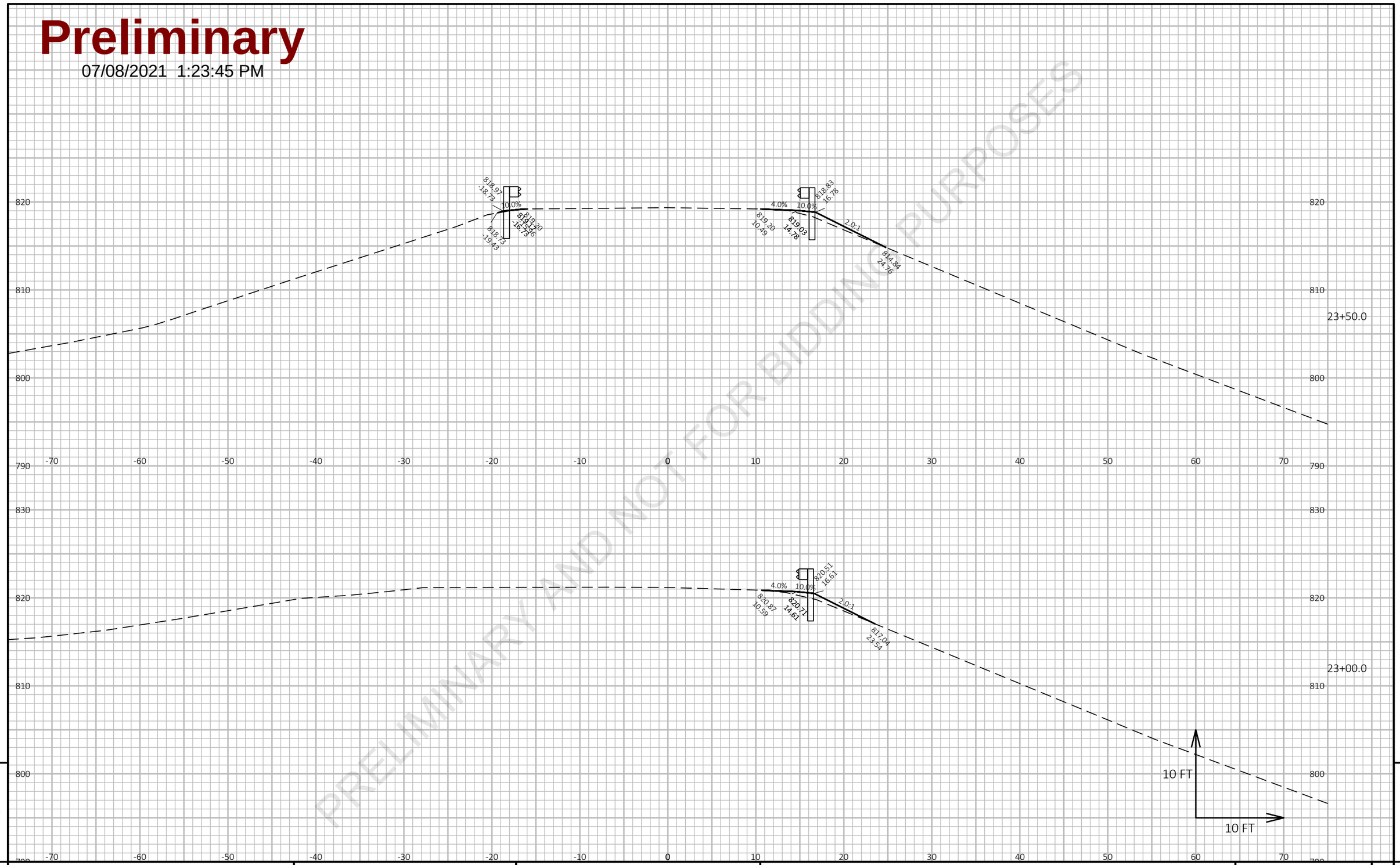
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 3

PLOT DATE : 3/5/2021 3:43 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:45 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 4

PLOT DATE : 3/5/2021 3:43 PM

PLOT BY : GARNICA, BRANDON

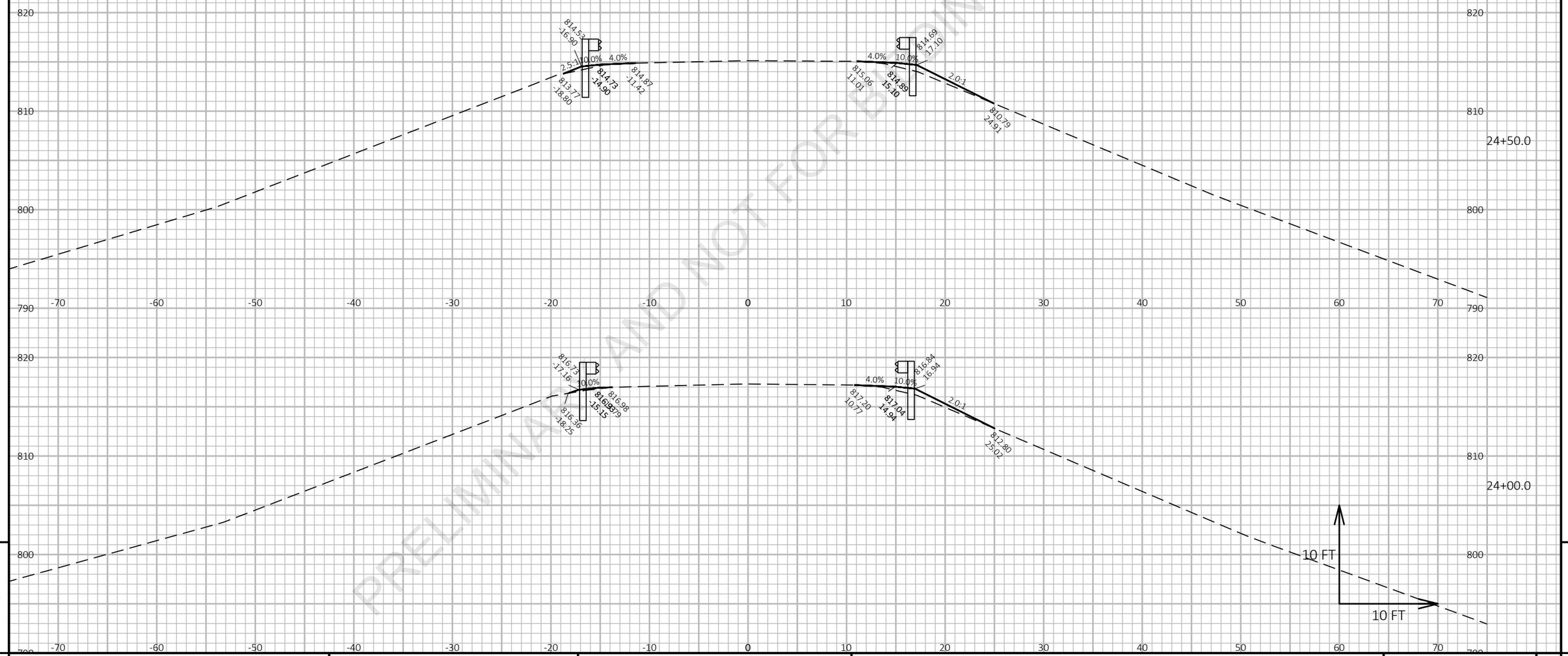
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:45 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 5

PLOT DATE : 3/5/2021 3:43 PM

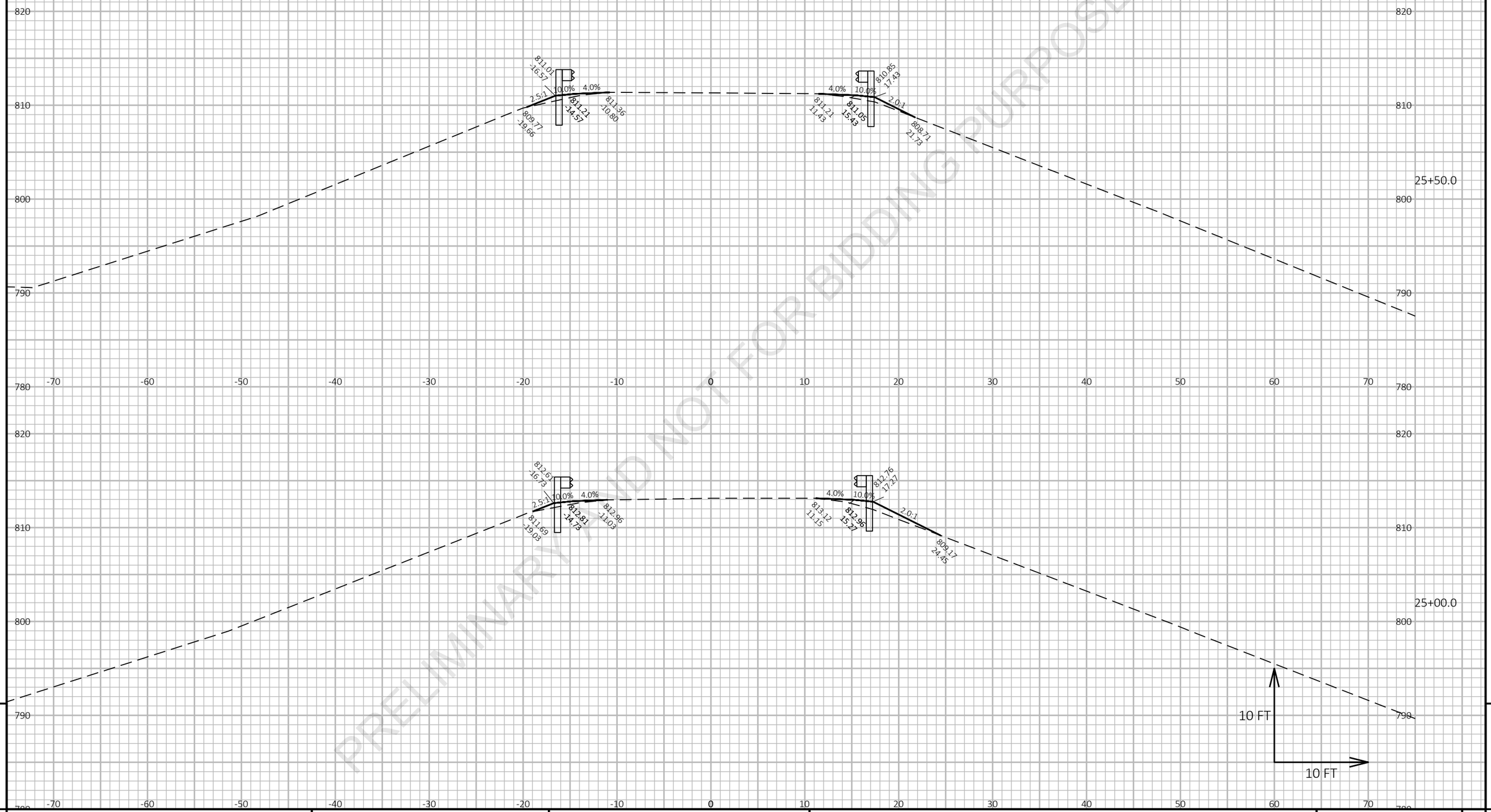
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:45 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

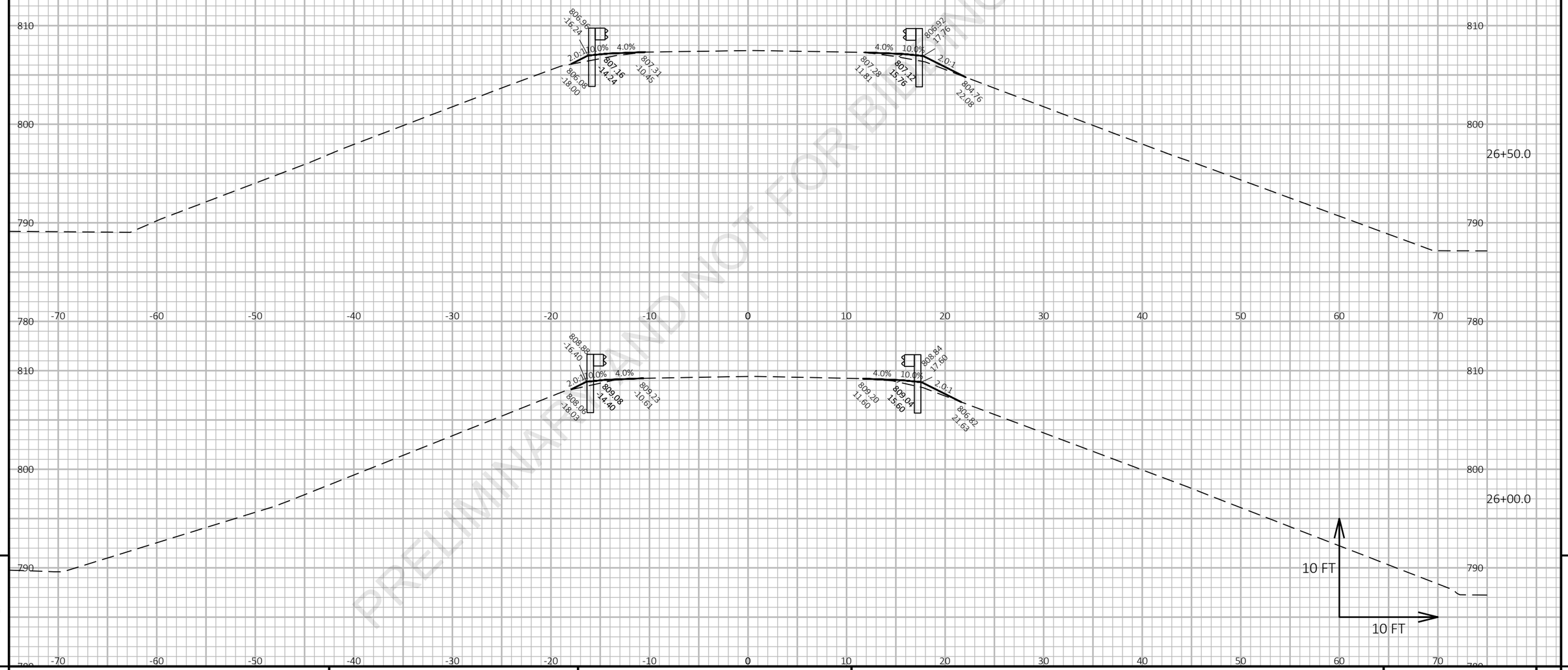
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 6

PLOT DATE : 3/5/2021 3:43 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:46 PM



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 7

PLOT DATE : 3/5/2021 3:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

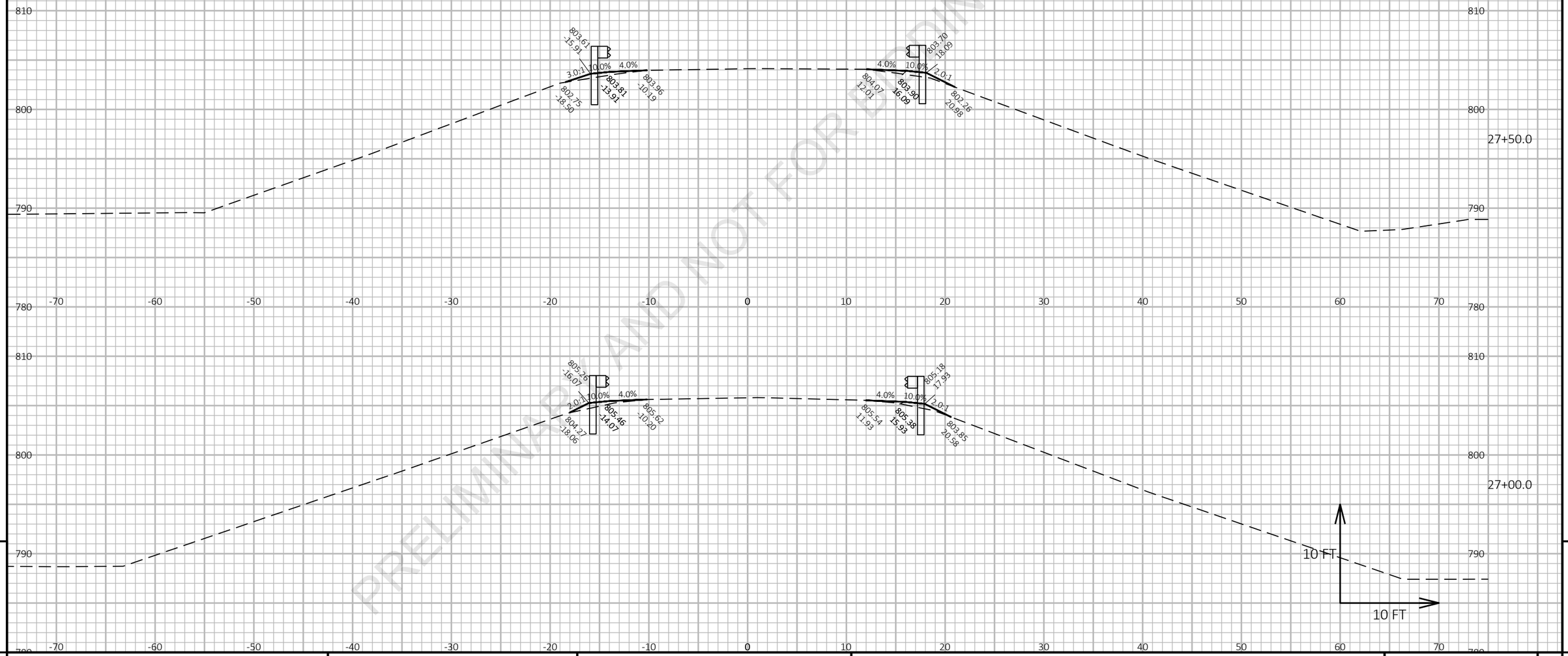
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:46 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 8

PLOT DATE : 3/5/2021 3:44 PM

PLOT BY : GARNICA, BRANDON

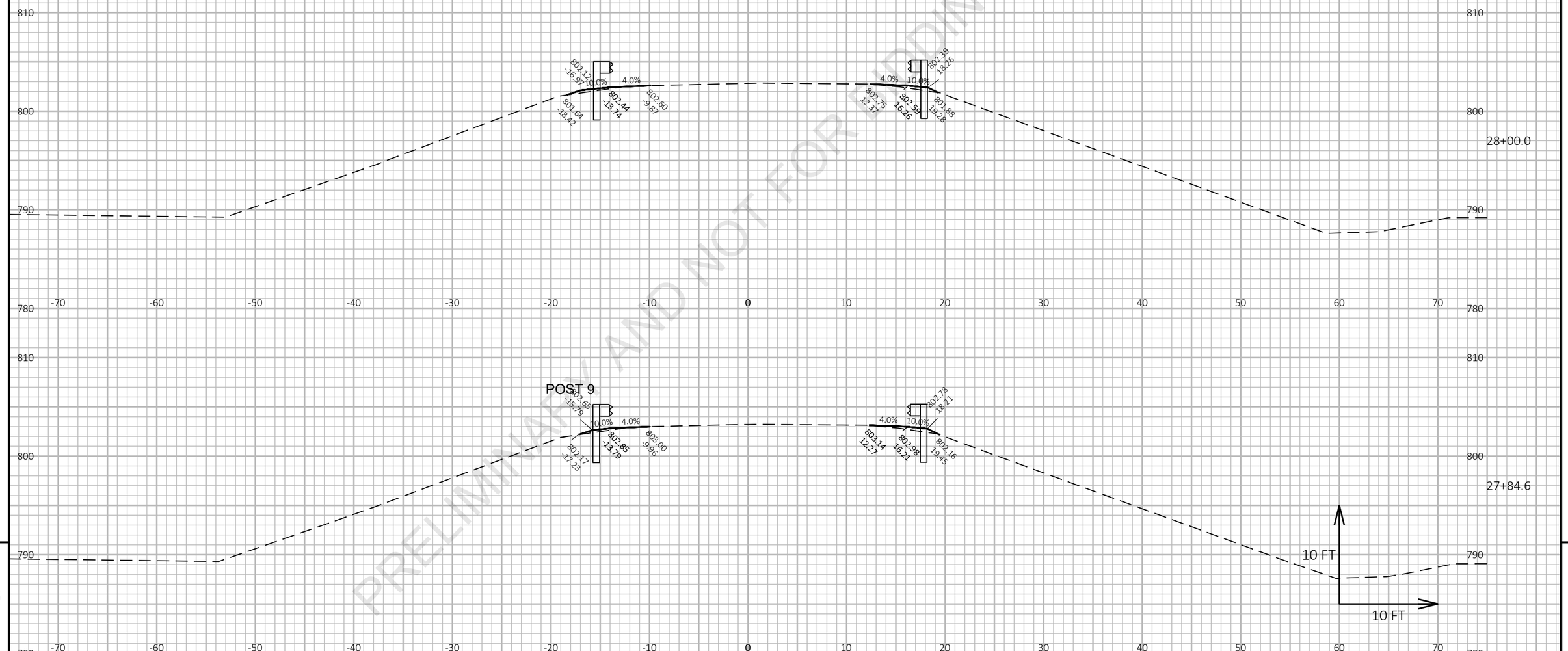
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:46 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET E

9 9

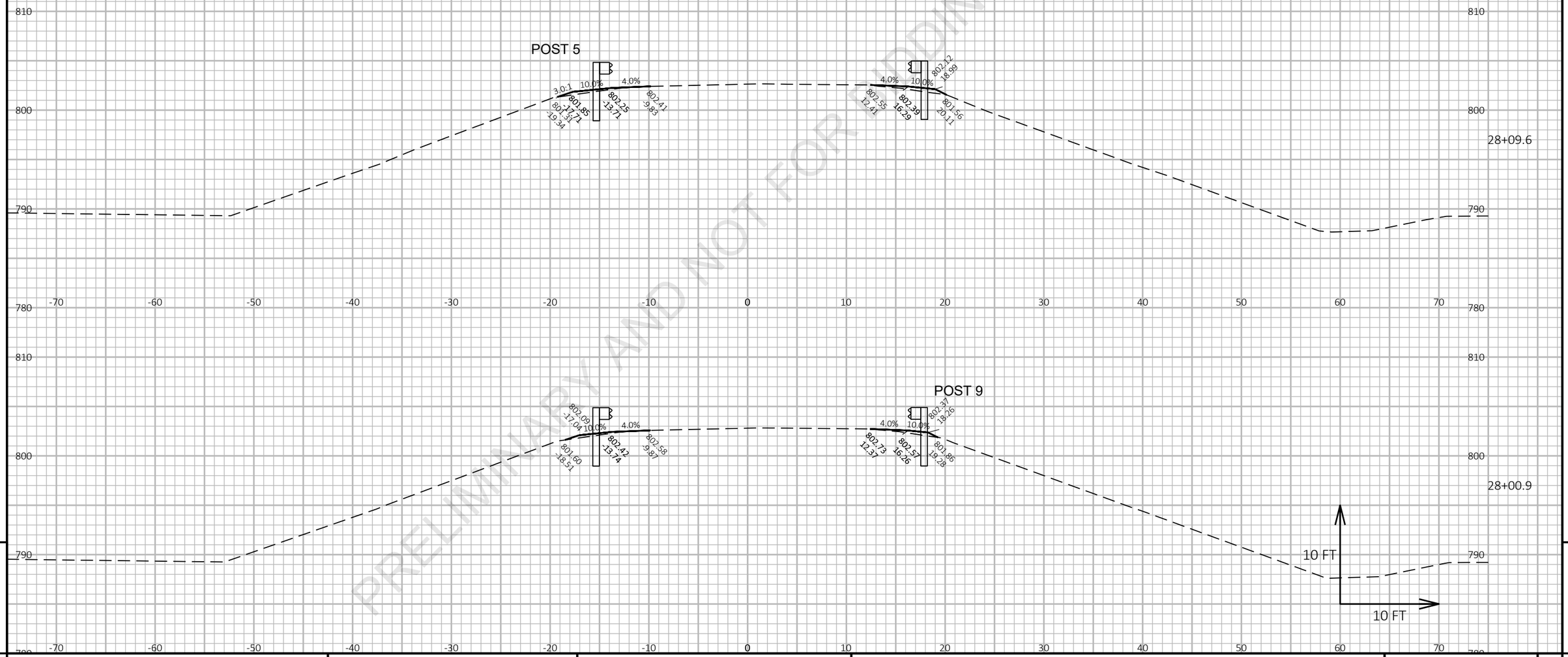
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 9

PLOT DATE : 3/5/2021 3:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:46 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 10

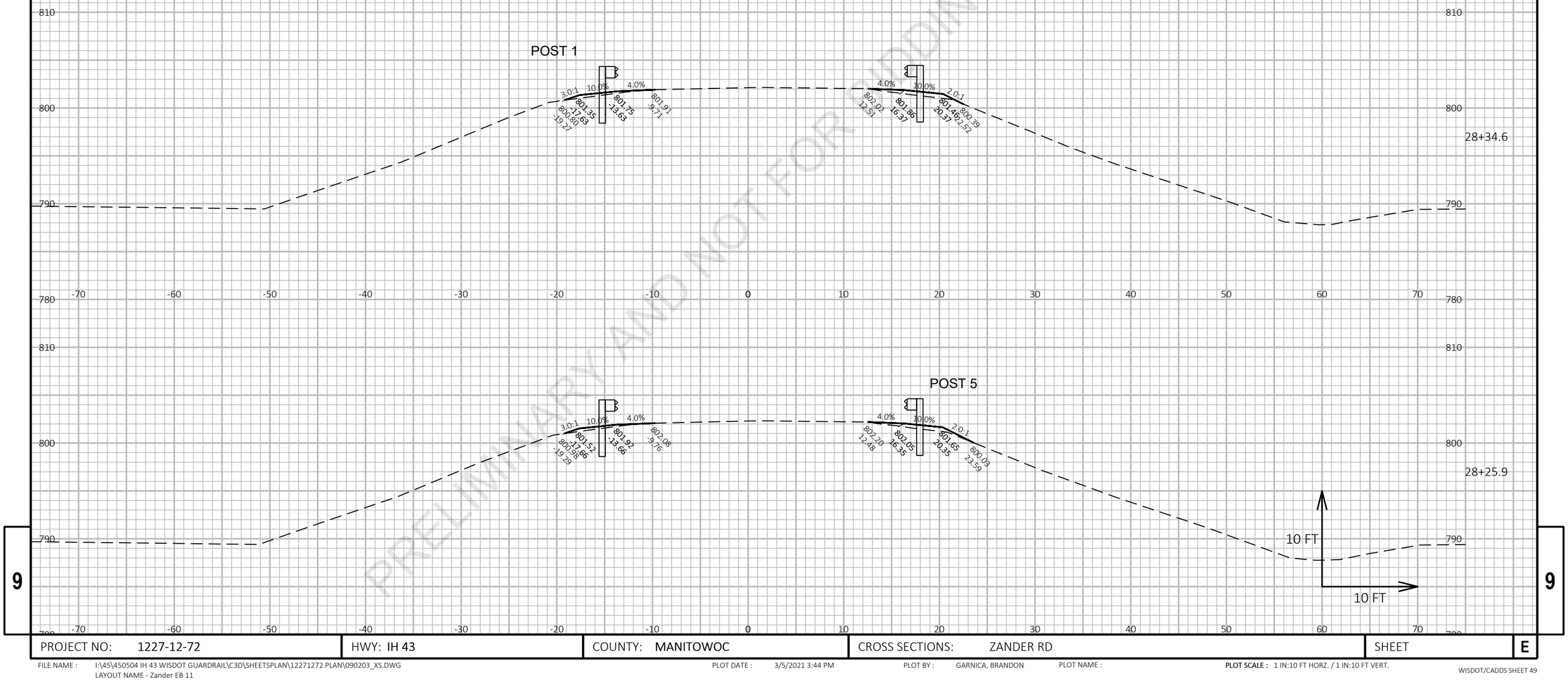
PLOT DATE : 3/5/2021 3:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:47 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 11

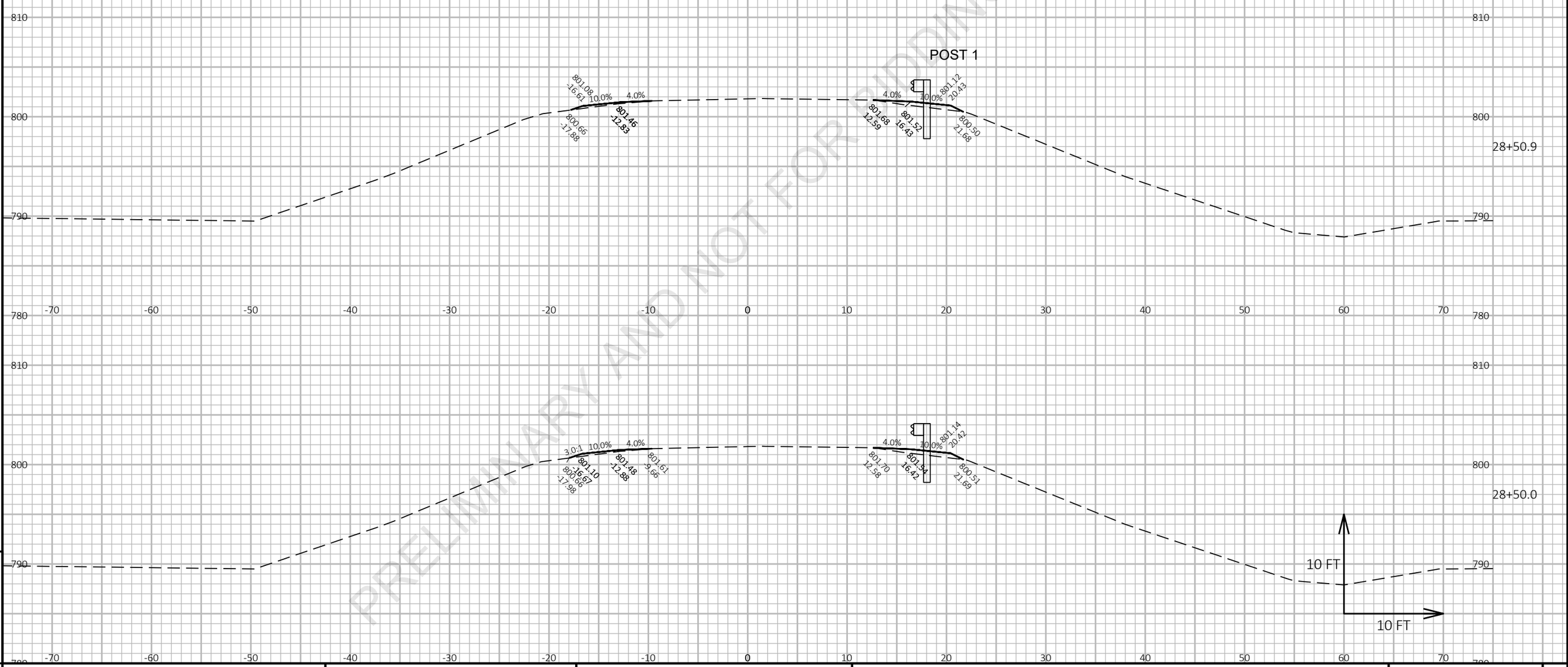
PLOT DATE : 3/5/2021 3:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:47 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 12

PLOT DATE : 3/5/2021 3:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

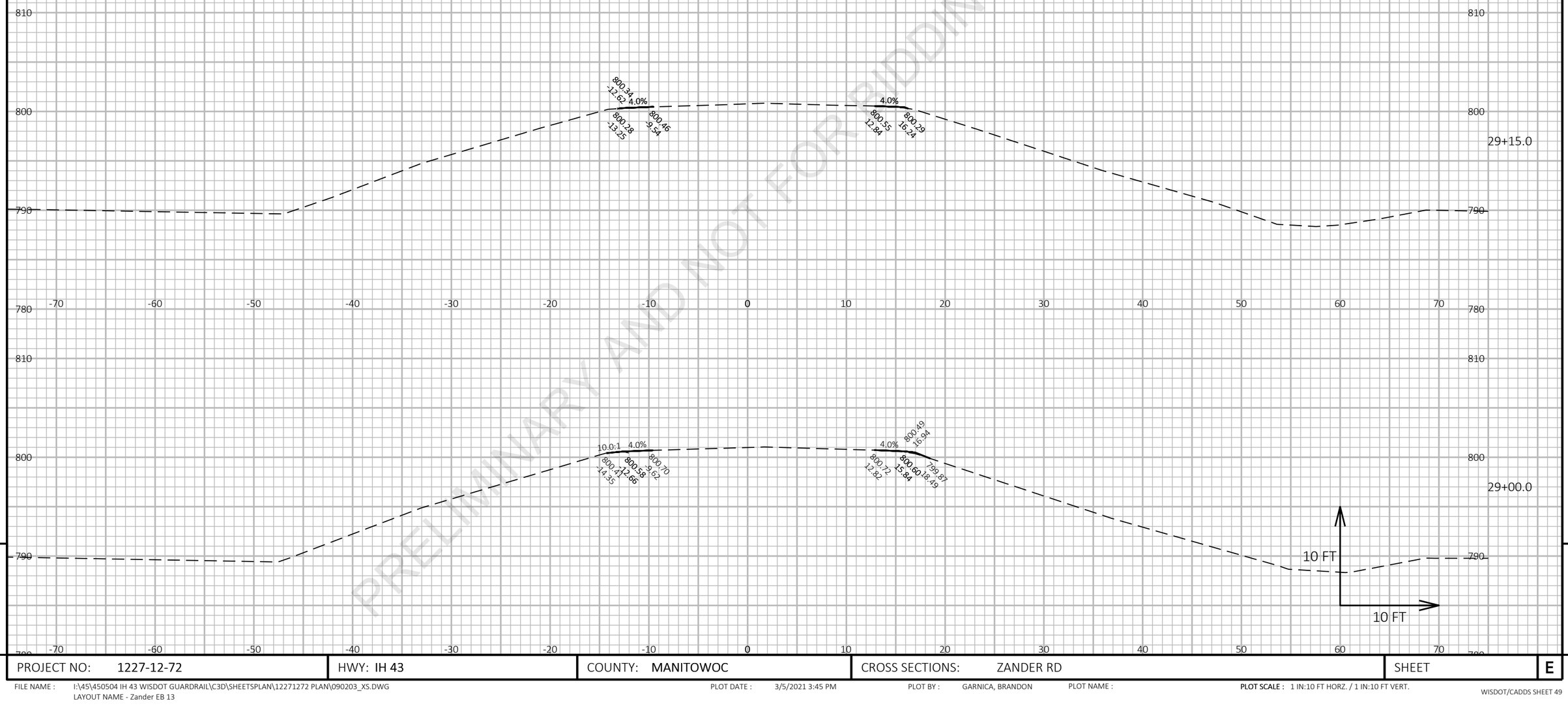
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:47 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 13

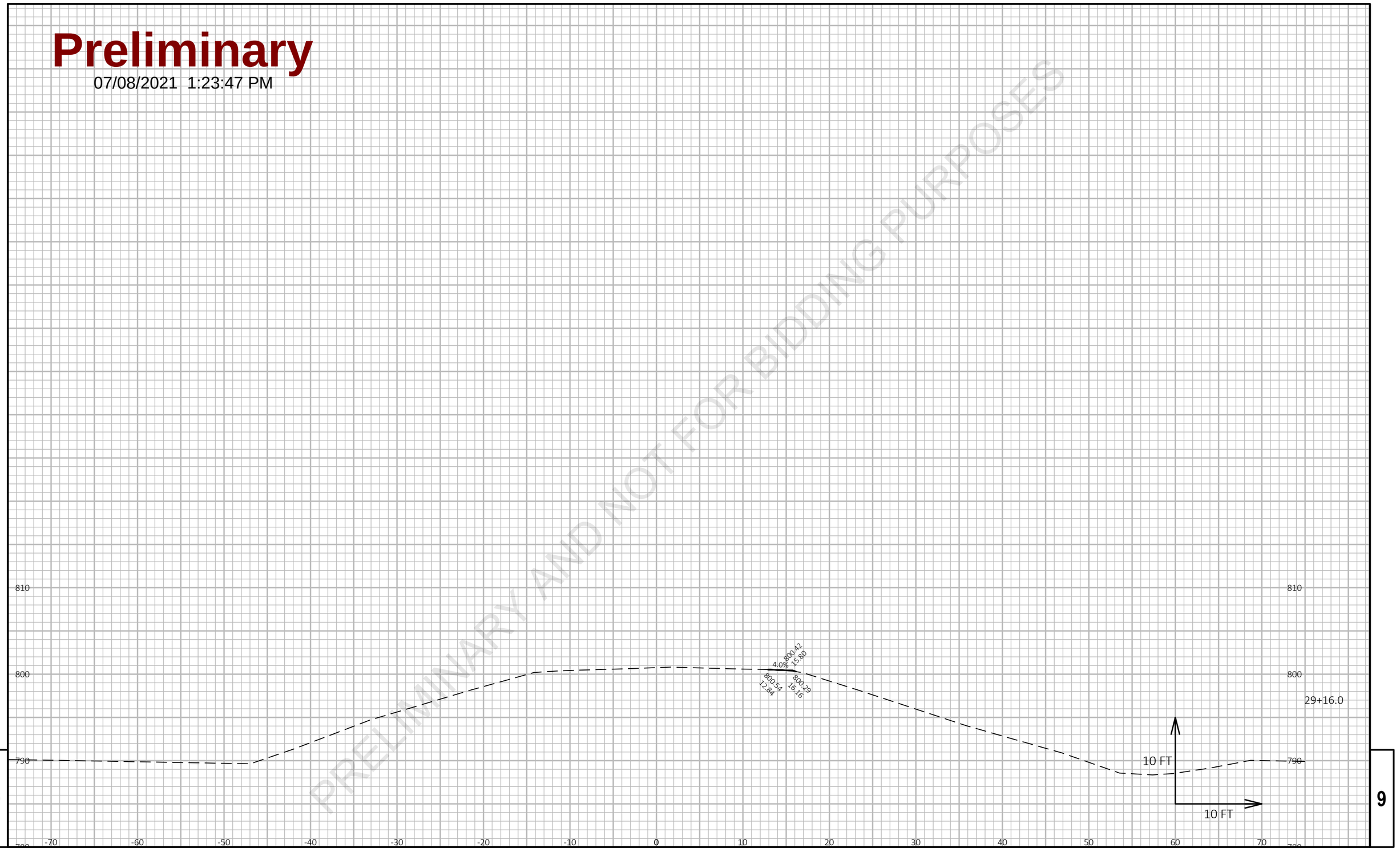
PLOT DATE : 3/5/2021 3:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:47 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ZANDER RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Zander EB 14

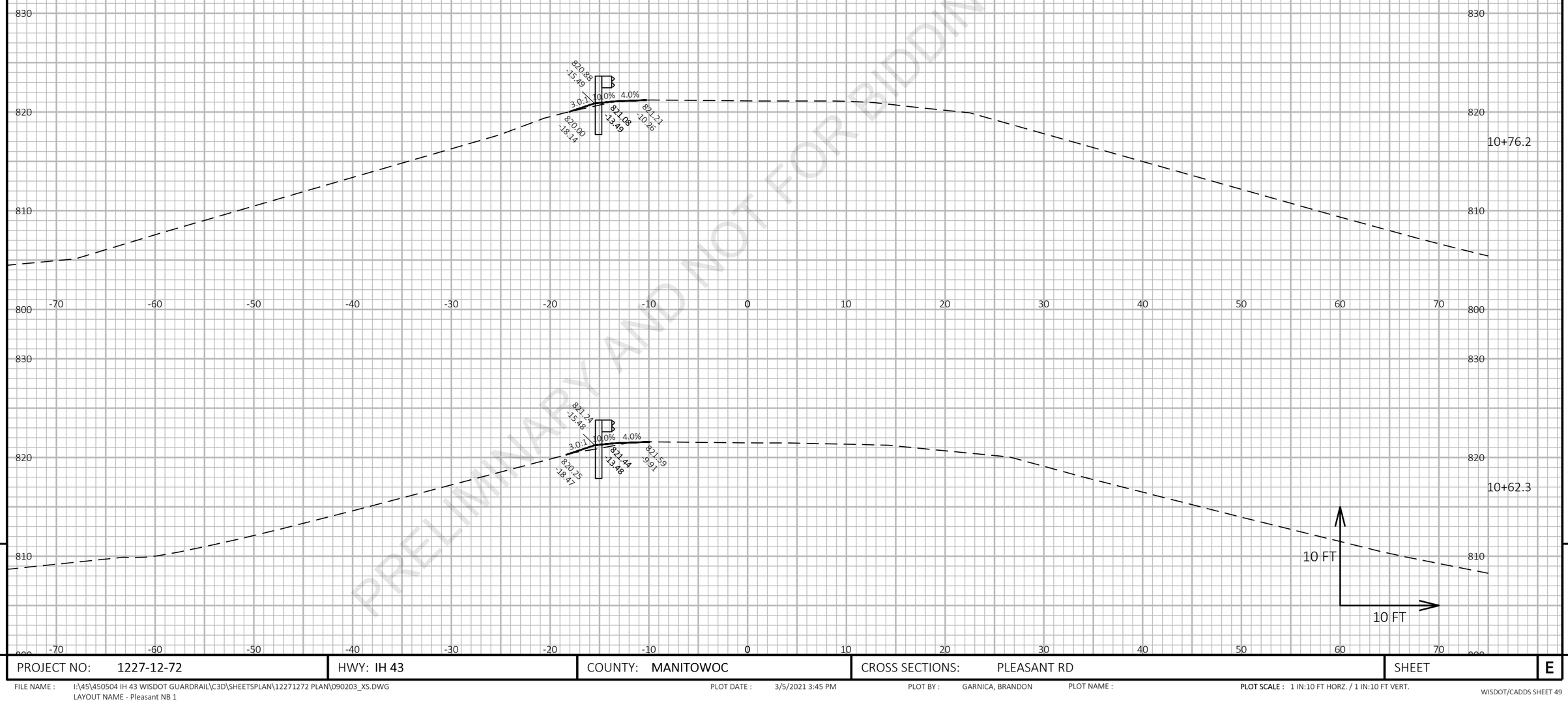
PLOT DATE : 3/5/2021 3:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:47 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 1

PLOT DATE : 3/5/2021 3:45 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

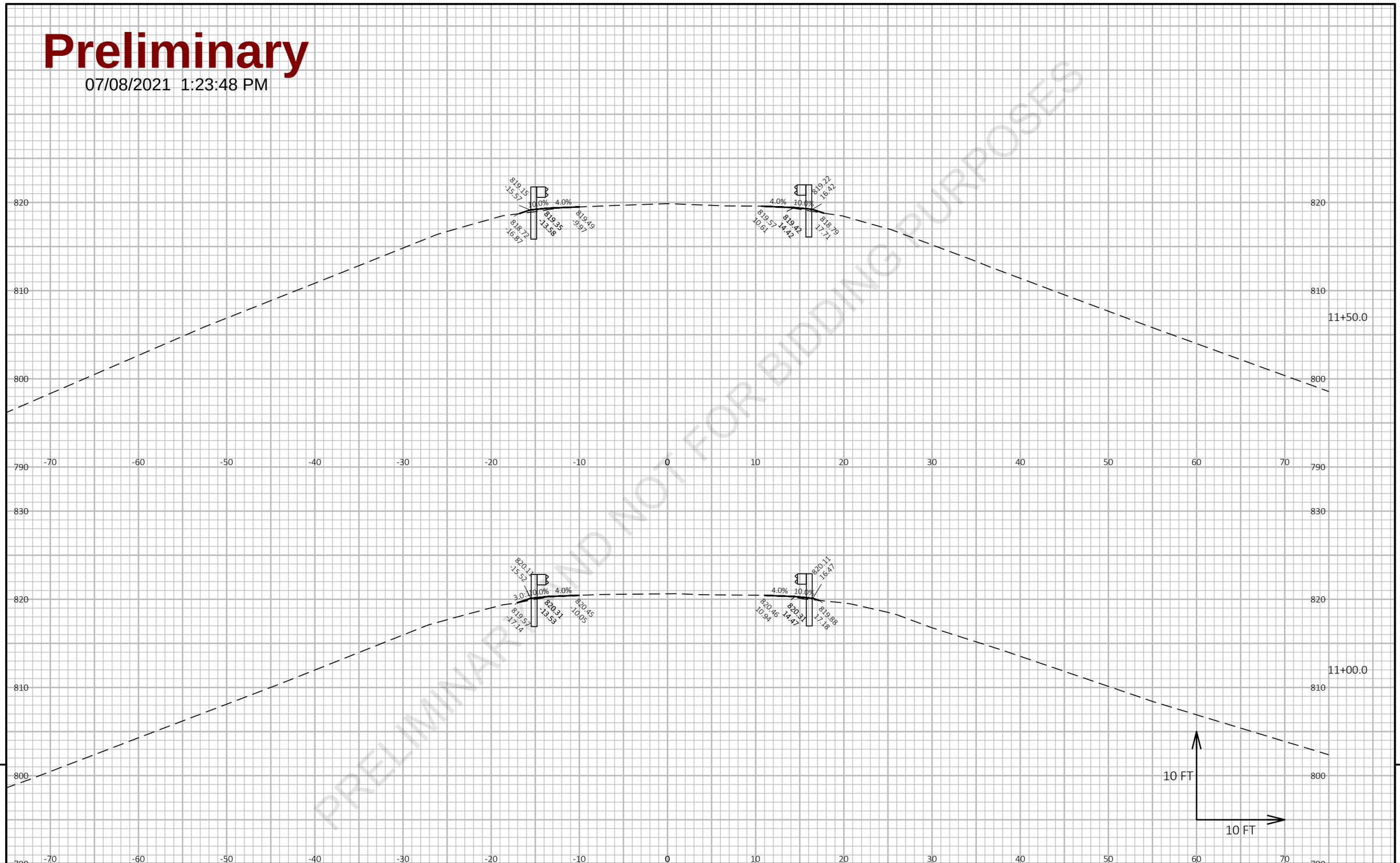
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:48 PM

PRELIMINARY PLANS NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

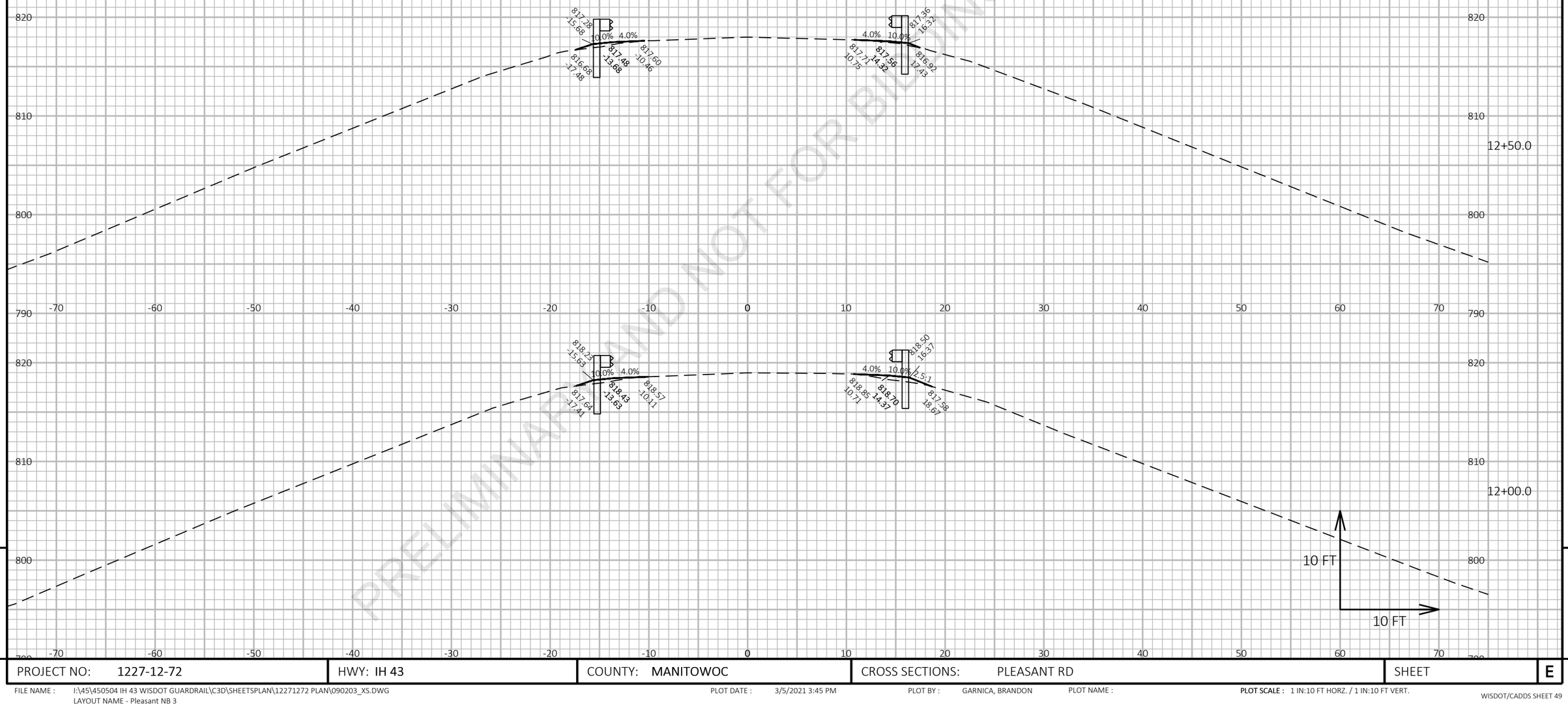
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 2

PLOT DATE : 3/5/2021 3:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:48 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 3

PLOT DATE : 3/5/2021 3:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

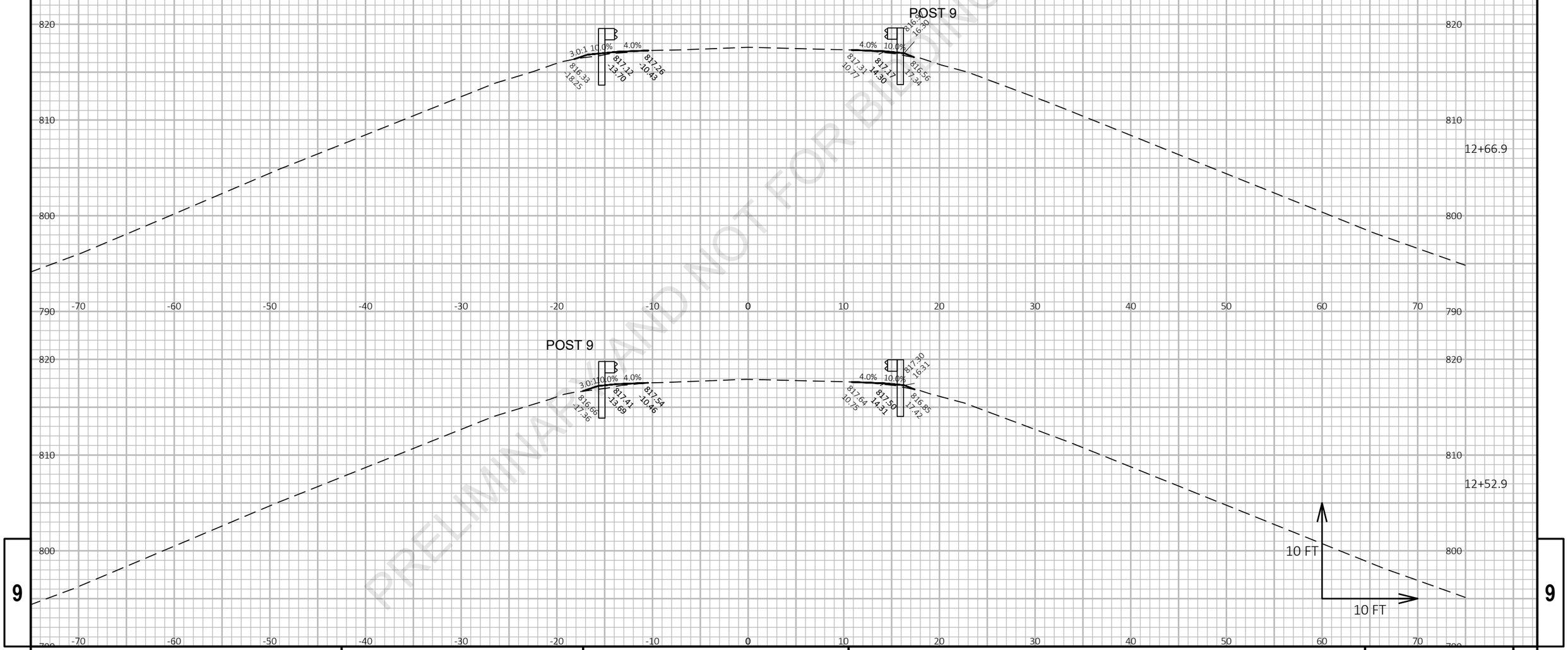
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:48 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 4

PLOT DATE : 3/5/2021 3:45 PM

PLOT BY : GARNICA, BRANDON

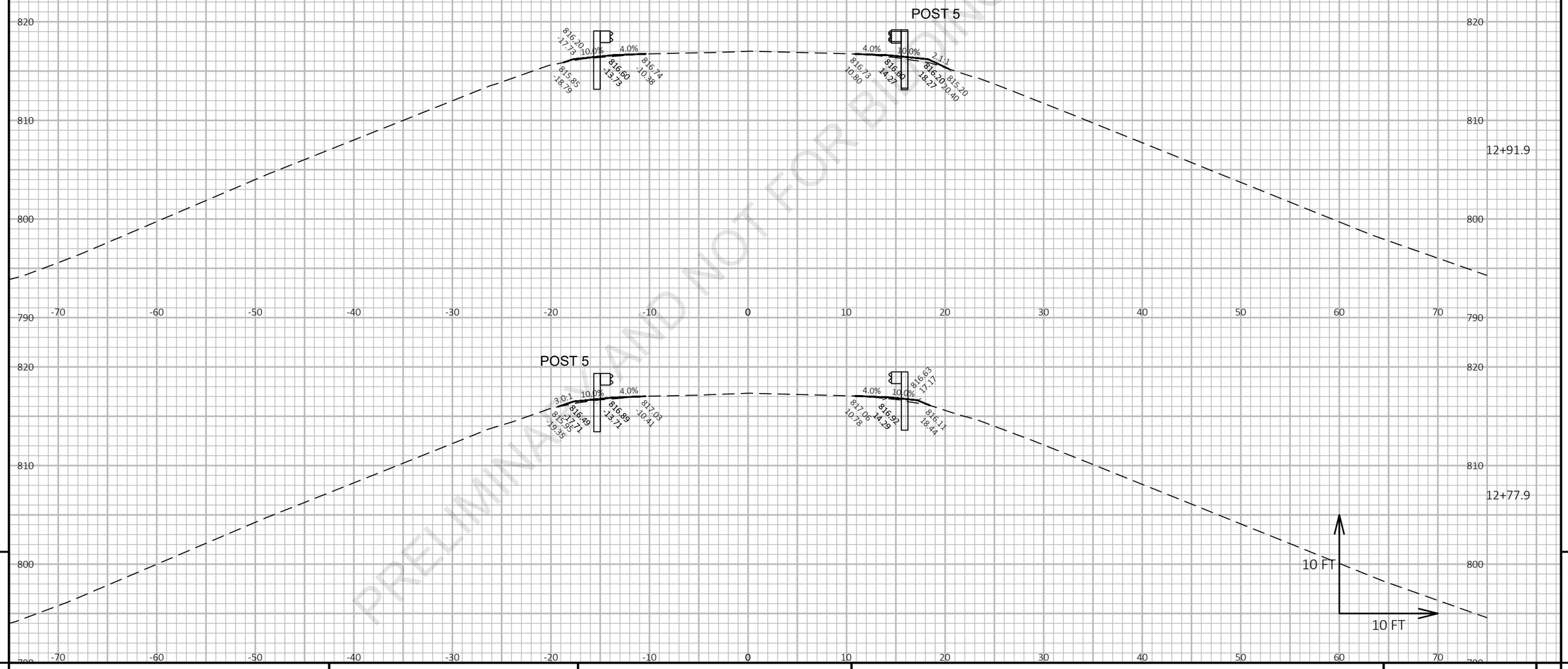
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:48 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 5

PLOT DATE : 3/5/2021 3:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

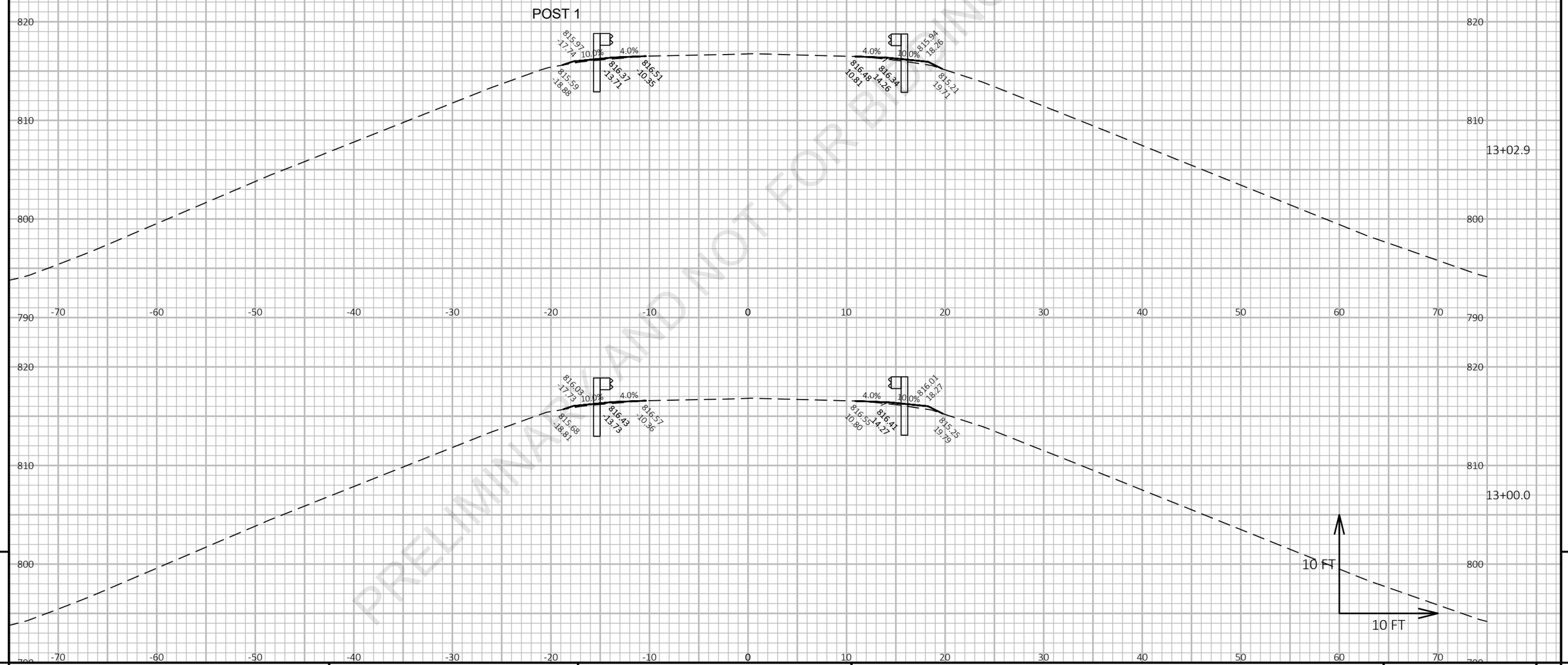
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:48 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

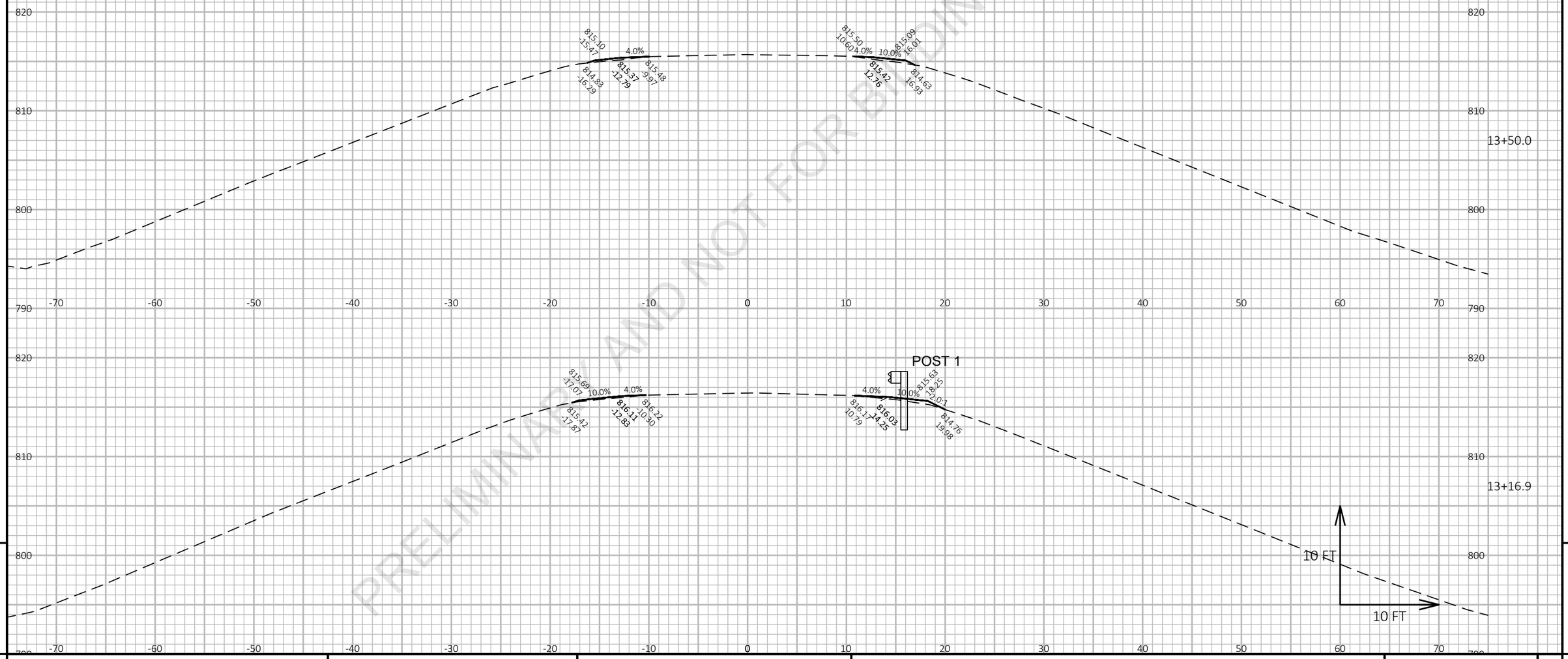
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 6

PLOT DATE : 3/5/2021 3:46 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:49 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 7

PLOT DATE : 3/5/2021 3:46 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

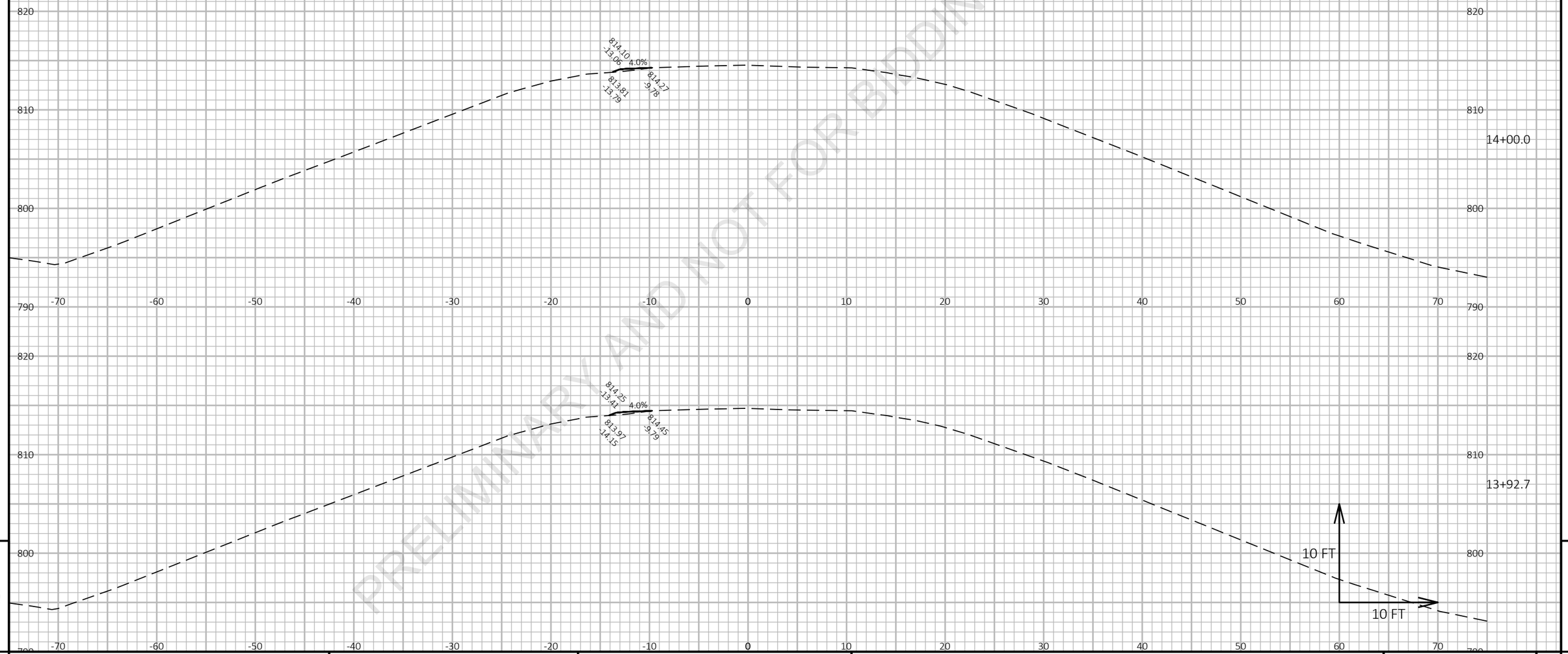
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:49 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 8

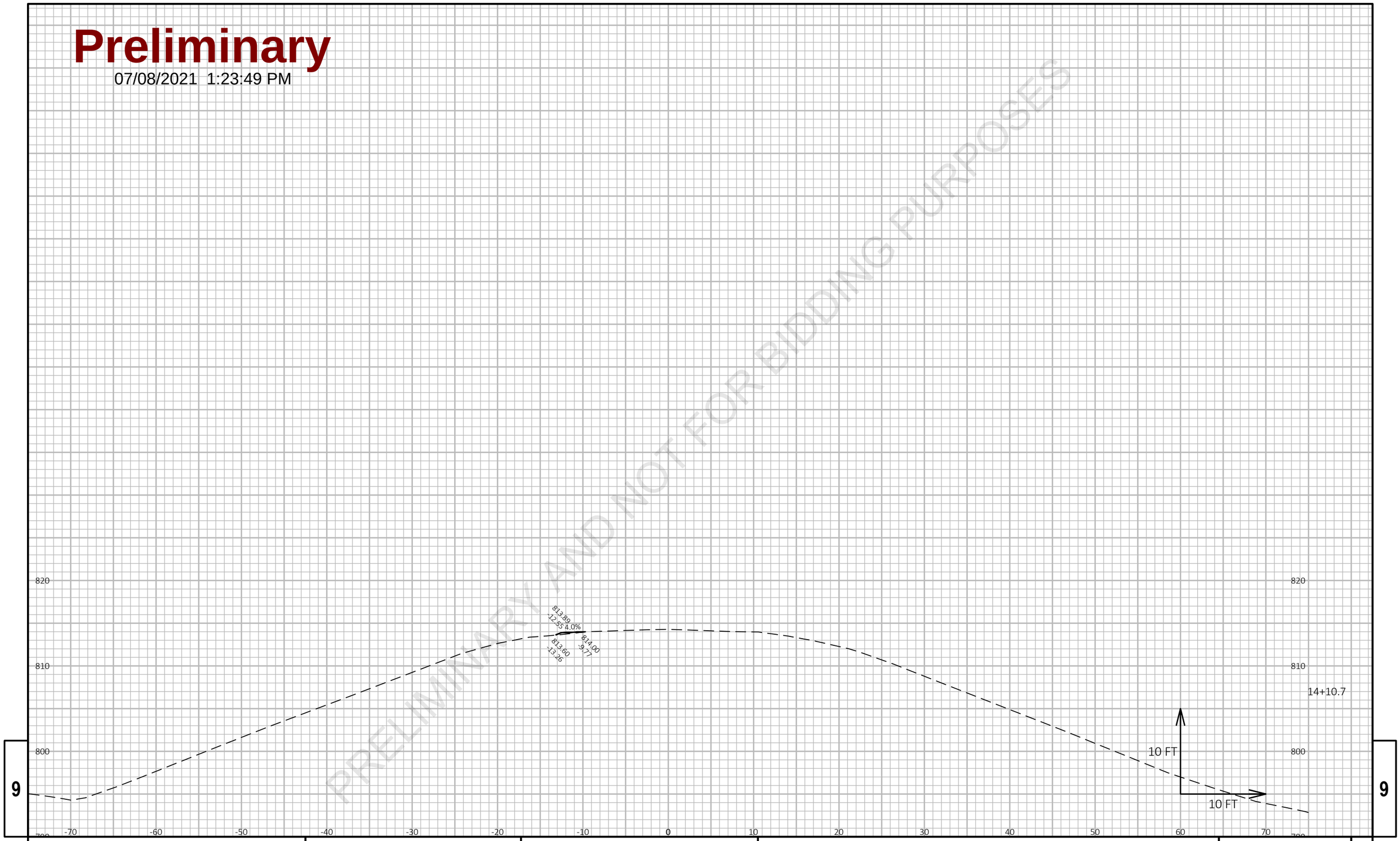
PLOT DATE : 3/5/2021 3:46 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:49 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: PLEASANT RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Pleasant NB 9

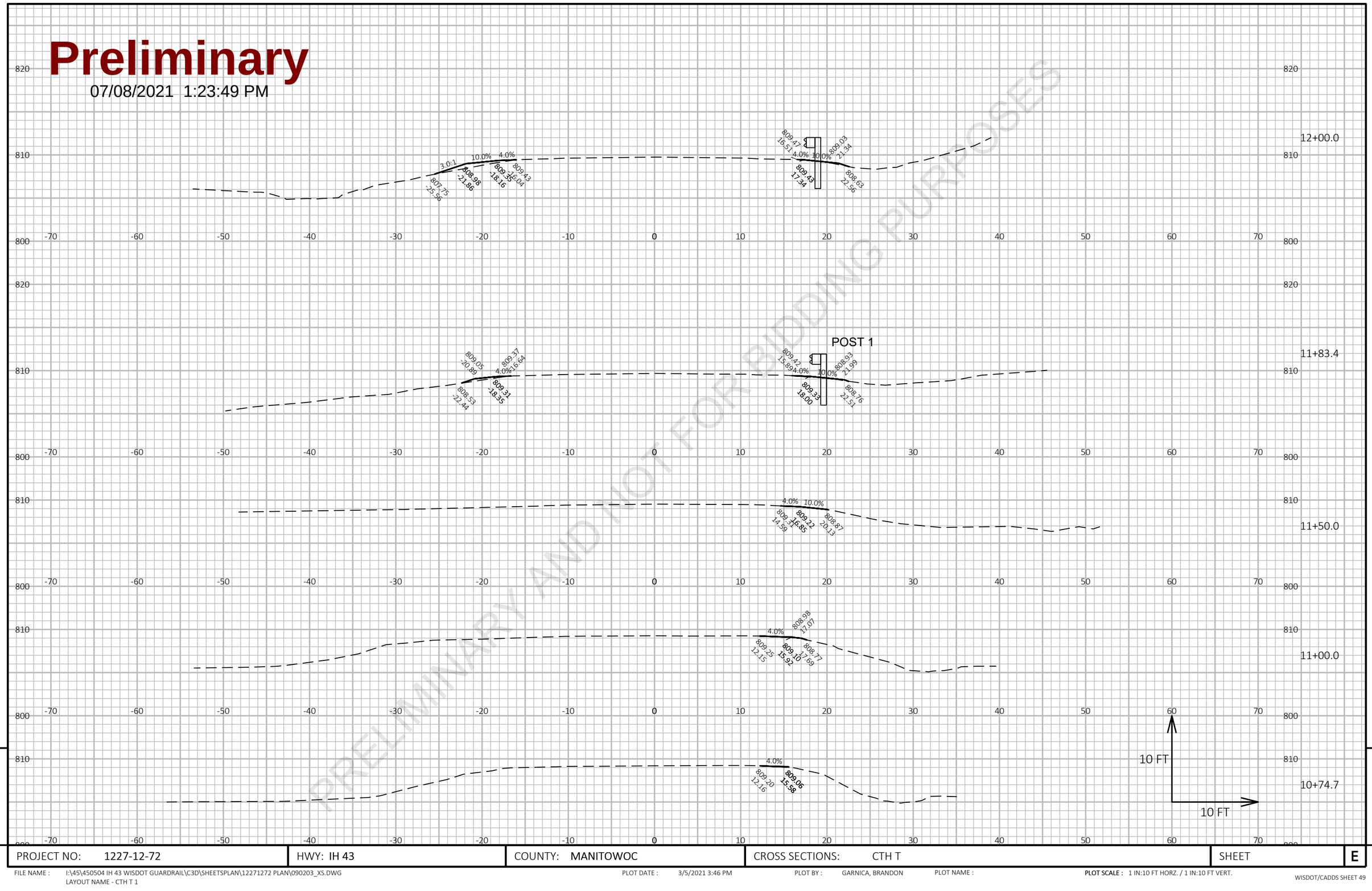
PLOT DATE : 3/5/2021 3:46 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:49 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: CTH T	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - CTH T 1

PLOT DATE : 3/5/2021 3:46 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

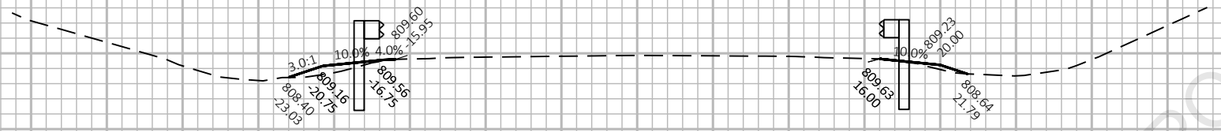
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:50 PM

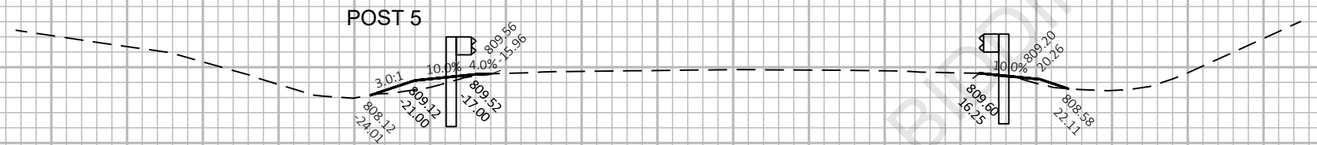
PRELIMINARY AND NOT FOR BIDDING PURPOSES

POST 9



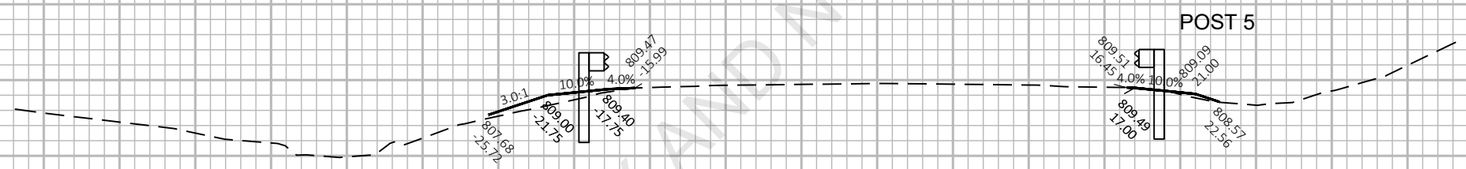
12+33.4

POST 5



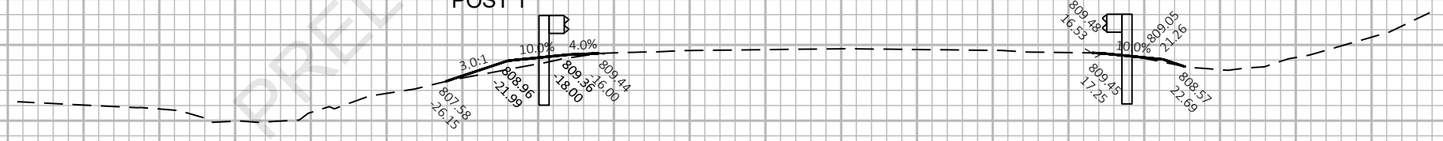
12+27.1

POST 5

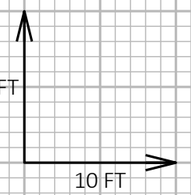


12+08.4

POST 1



12+02.1



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - CTH T 2

PLOT DATE : 3/5/2021 3:46 PM

PLOT BY : GARNICA, BRANDON

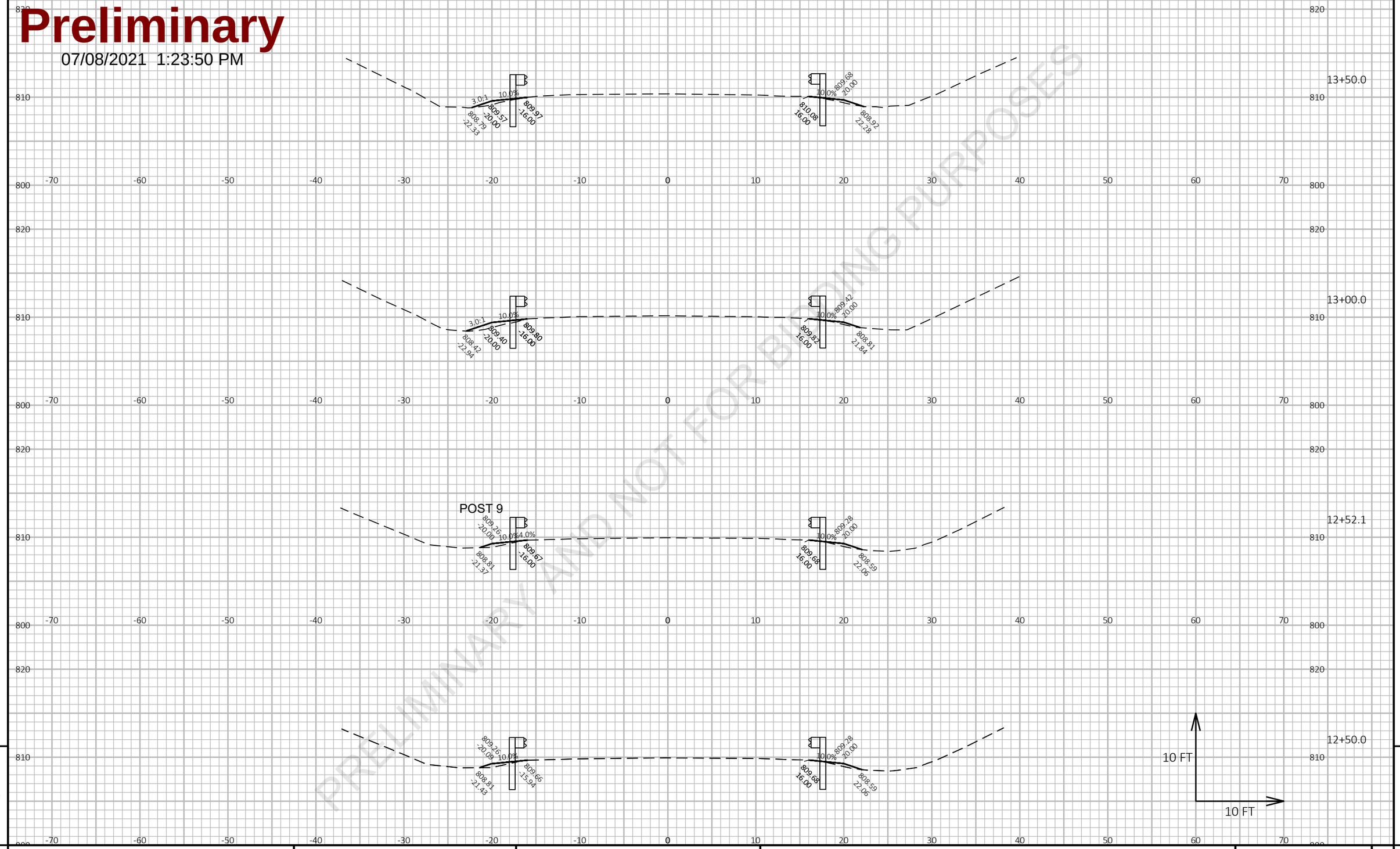
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:50 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - CTH T 3

PLOT DATE : 3/5/2021 3:47 PM

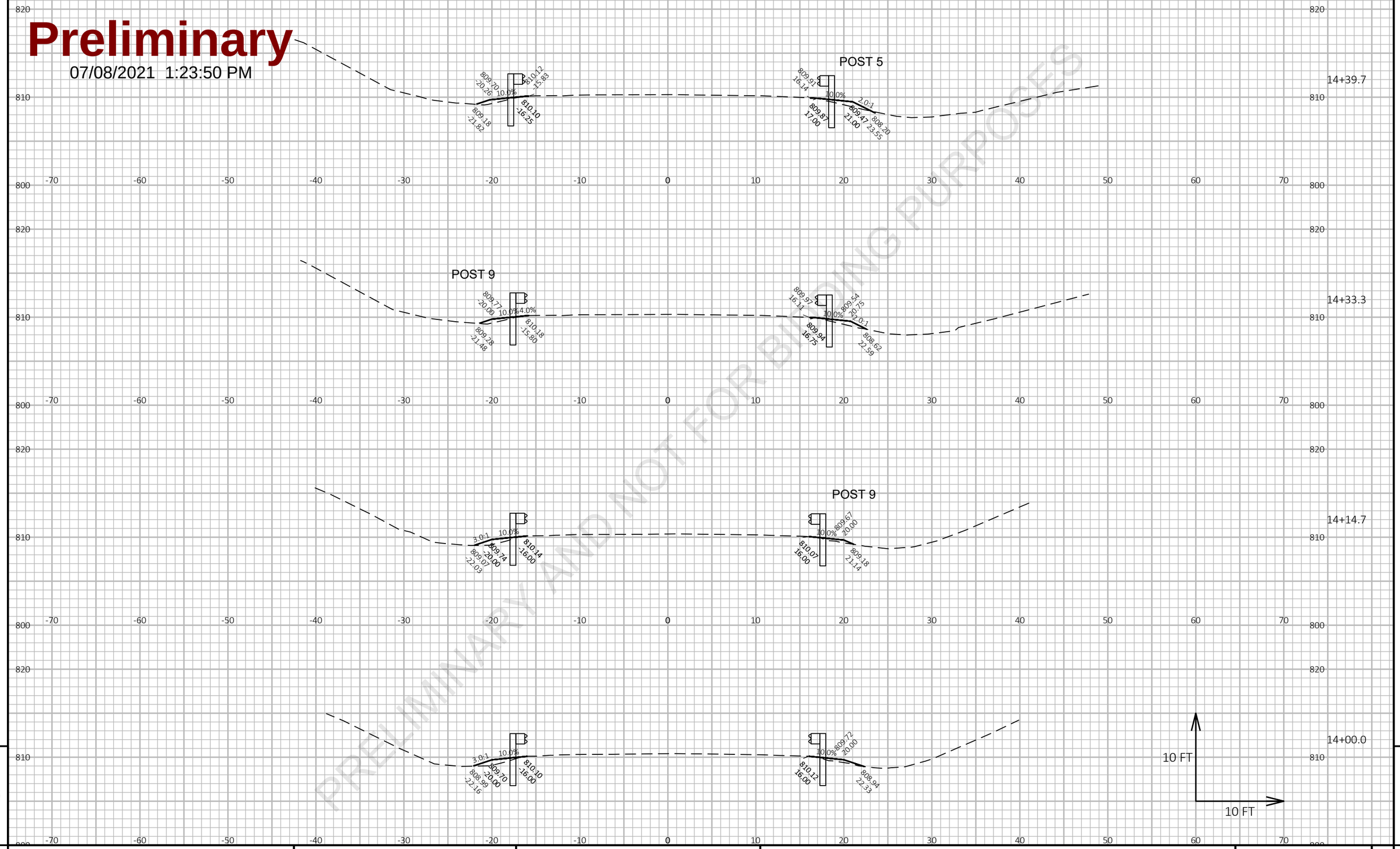
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:50 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - CTH T 4

PLOT DATE : 3/5/2021 3:47 PM

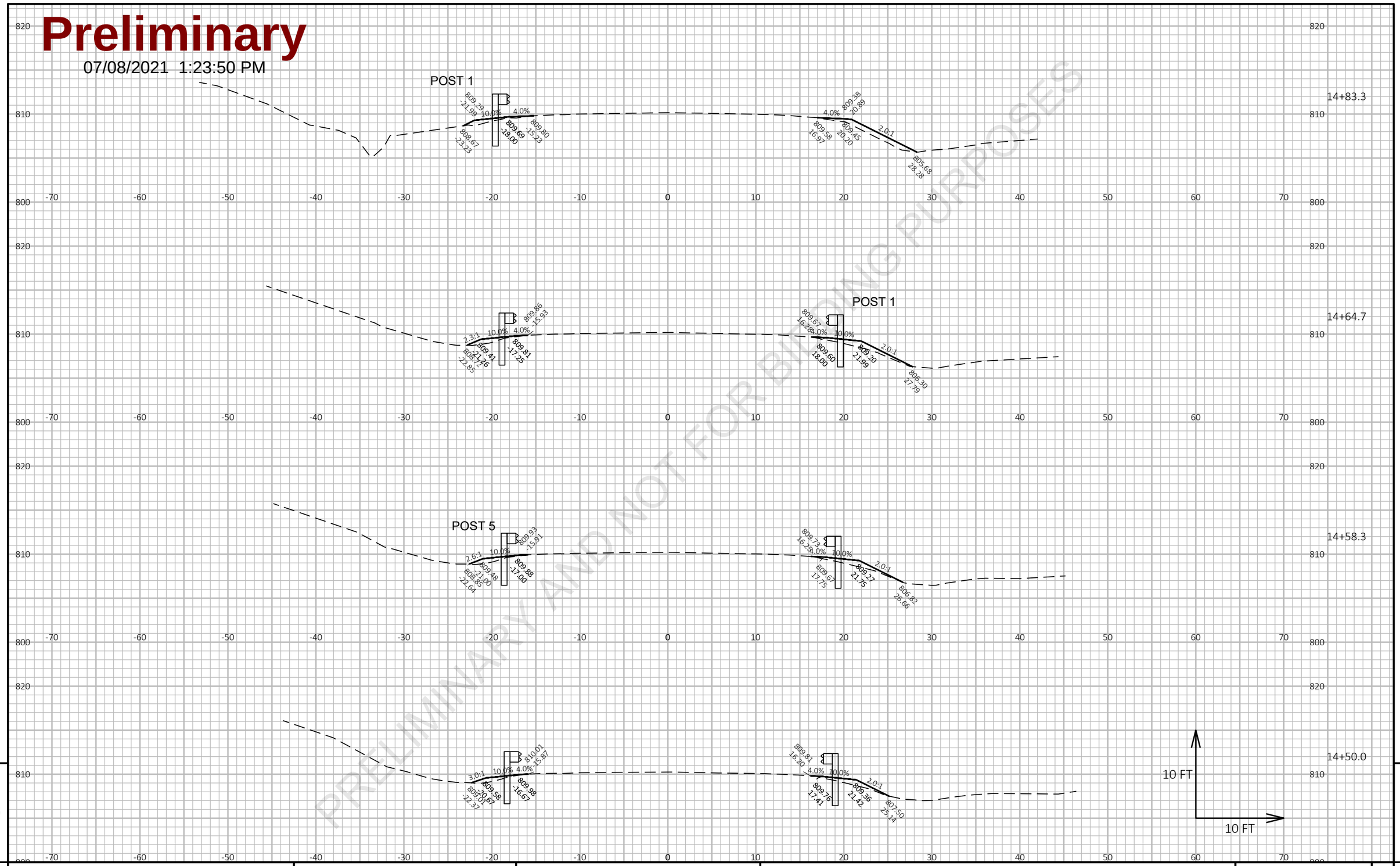
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:50 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - CTH T 5

PLOT DATE : 3/5/2021 3:47 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:50 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: CTH T	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - CTH T 6

PLOT DATE : 3/5/2021 3:47 PM

PLOT BY : GARNICA, BRANDON

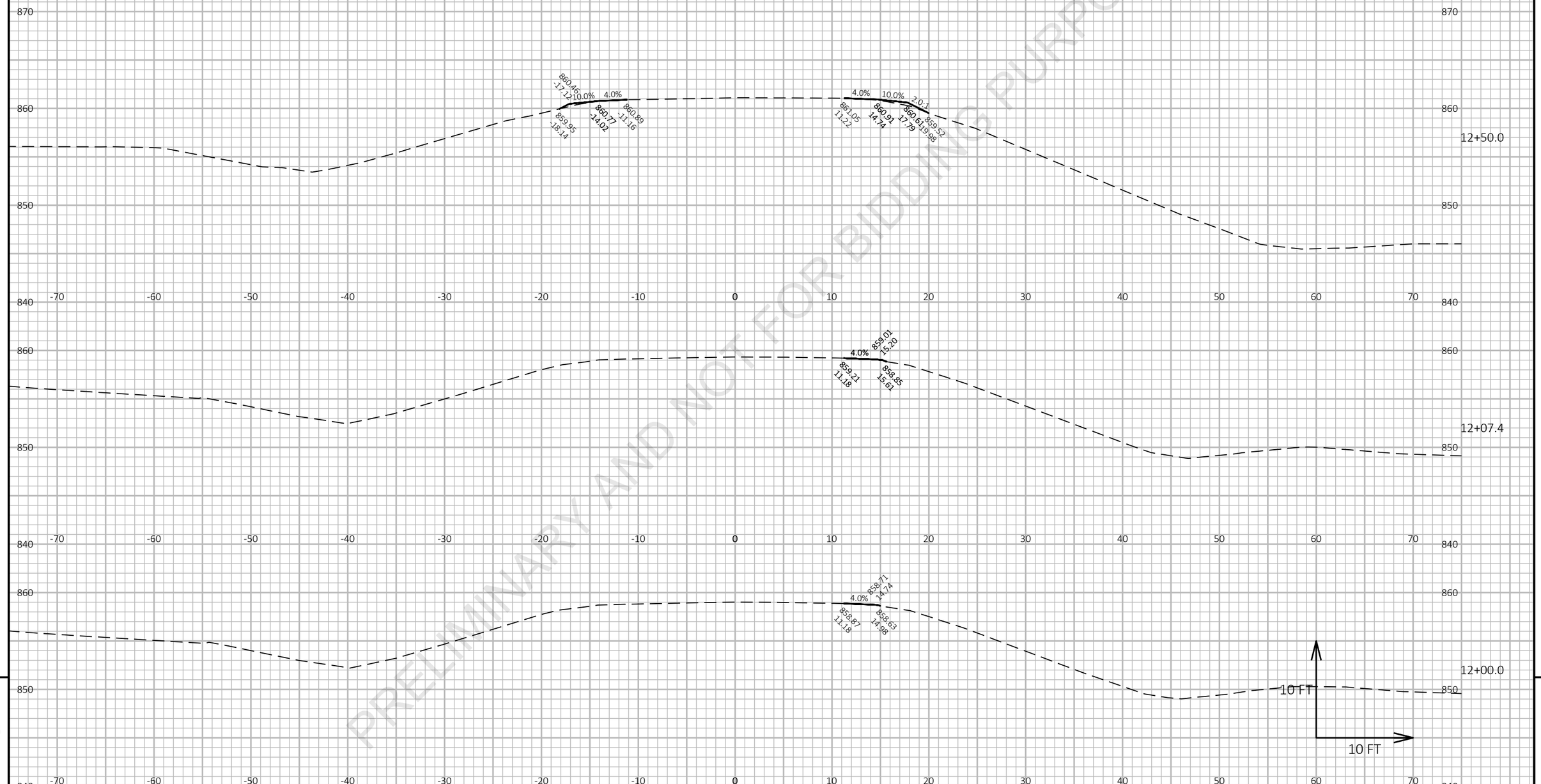
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:51 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 1

PLOT DATE : 3/5/2021 3:47 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

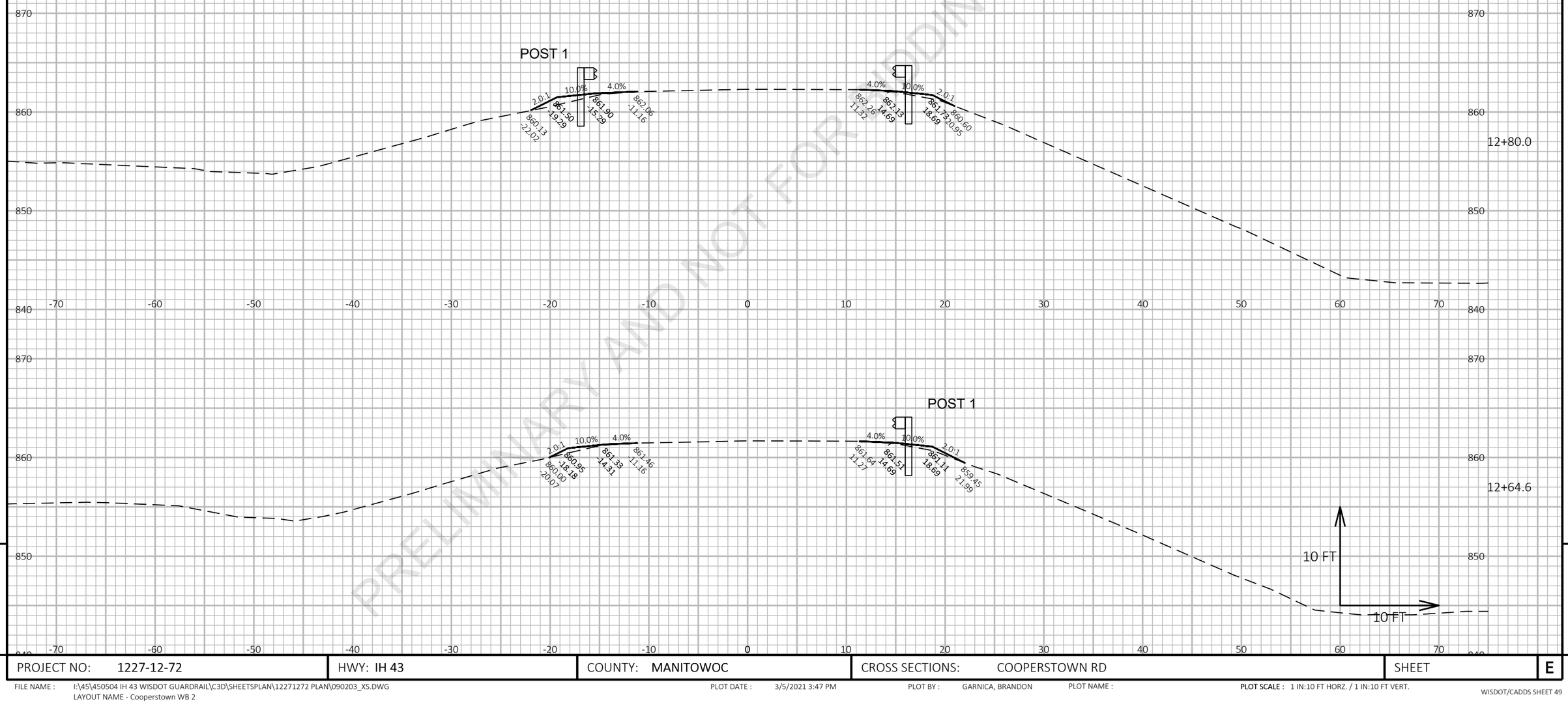
WISDOT/CADDS SHEET 49

9

Preliminary

07/08/2021 1:23:51 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 2

PLOT DATE : 3/5/2021 3:47 PM

PLOT BY : GARNICA, BRANDON

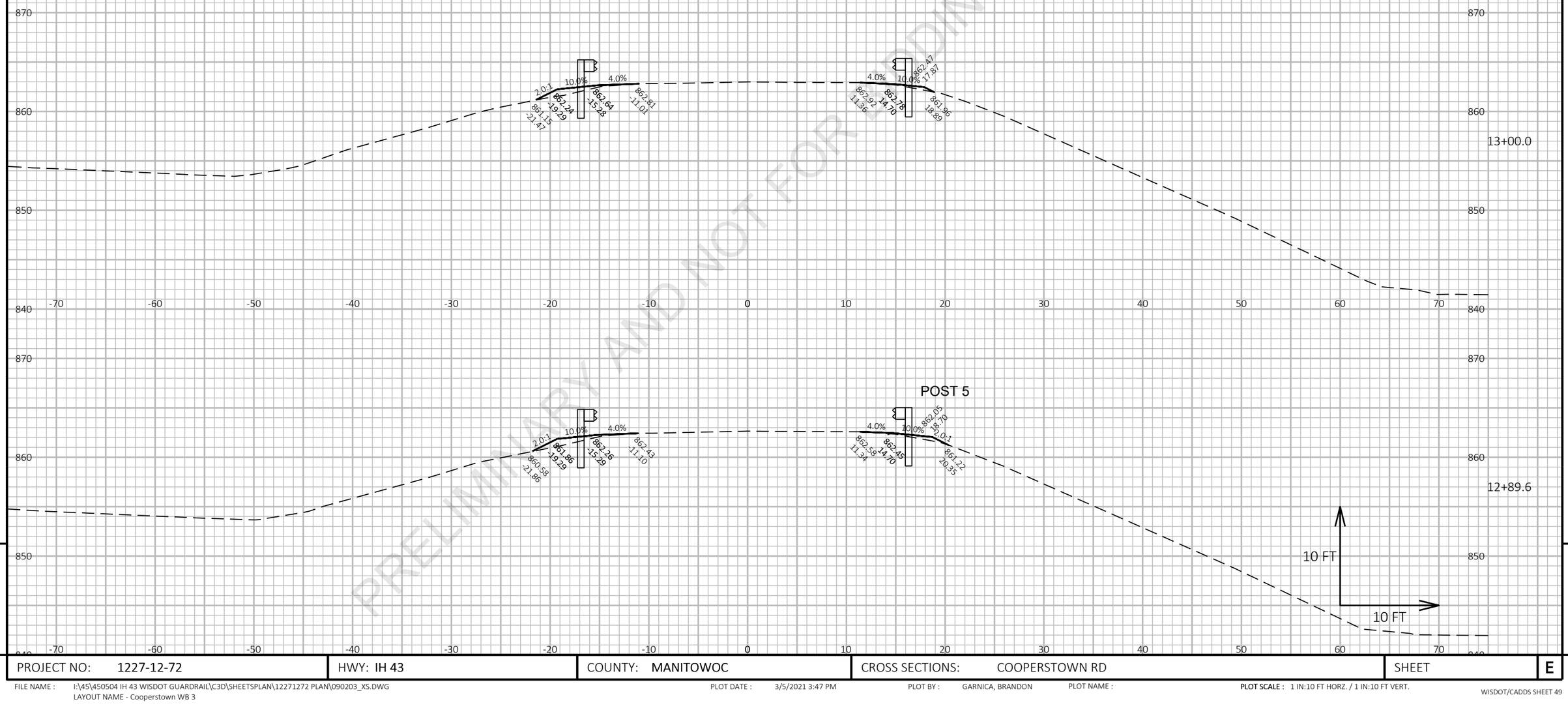
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:51 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

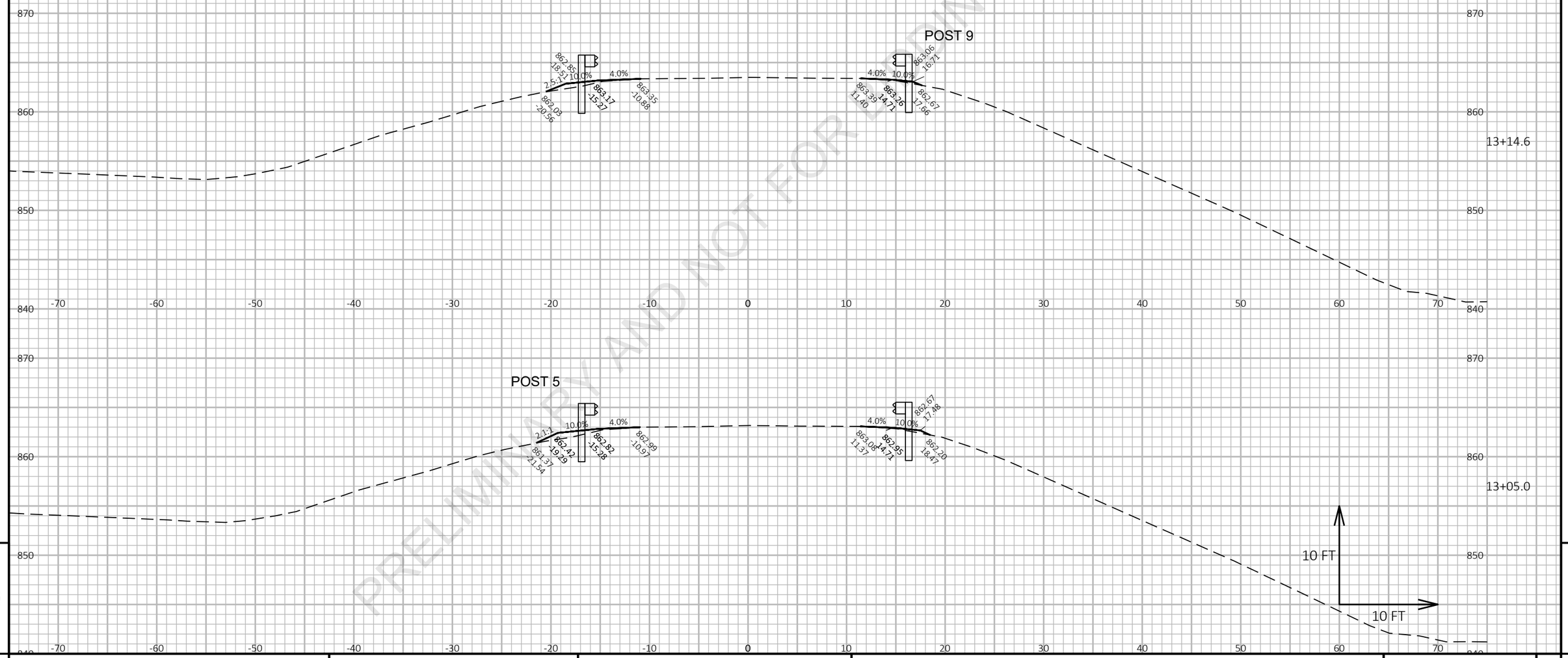
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 3

PLOT DATE : 3/5/2021 3:47 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:51 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 4

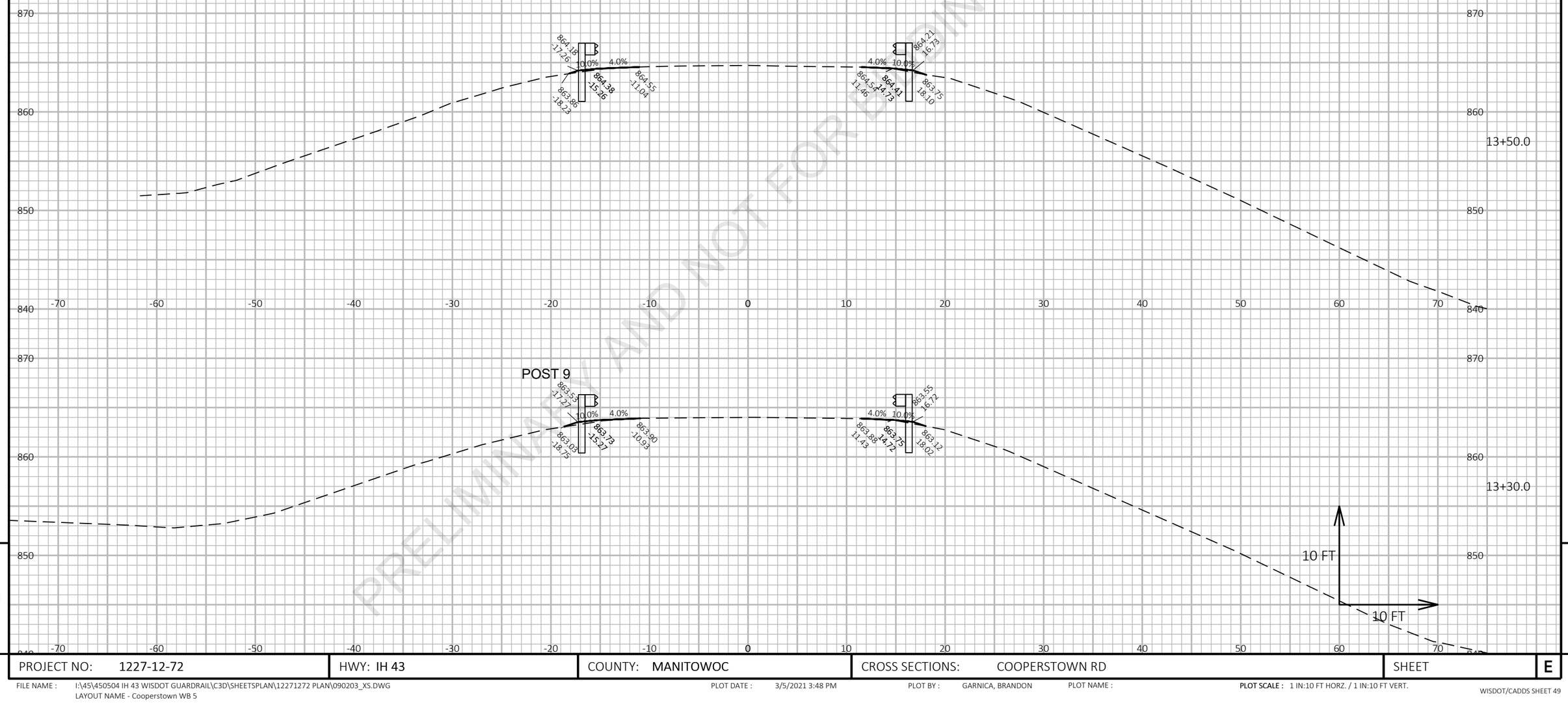
PLOT DATE : 3/5/2021 3:48 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:52 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

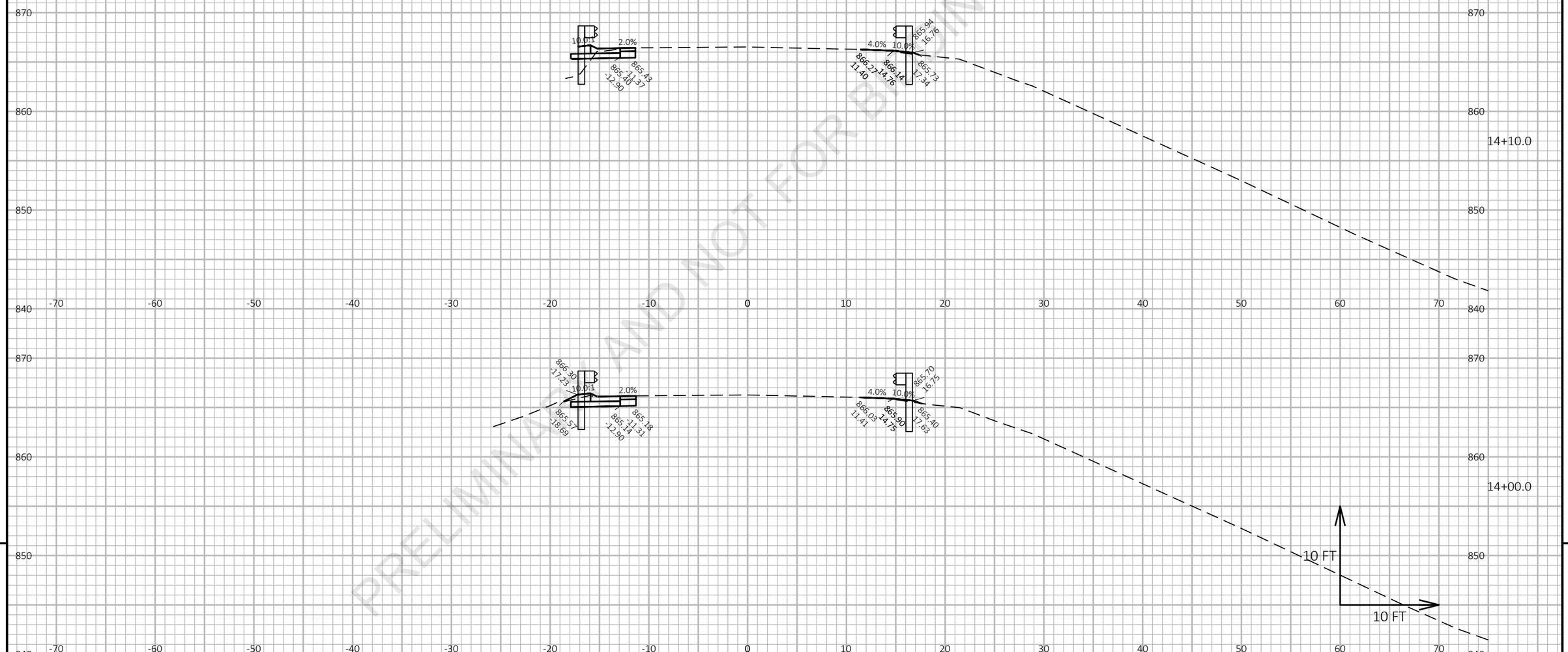
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 5

PLOT DATE : 3/5/2021 3:48 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:52 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

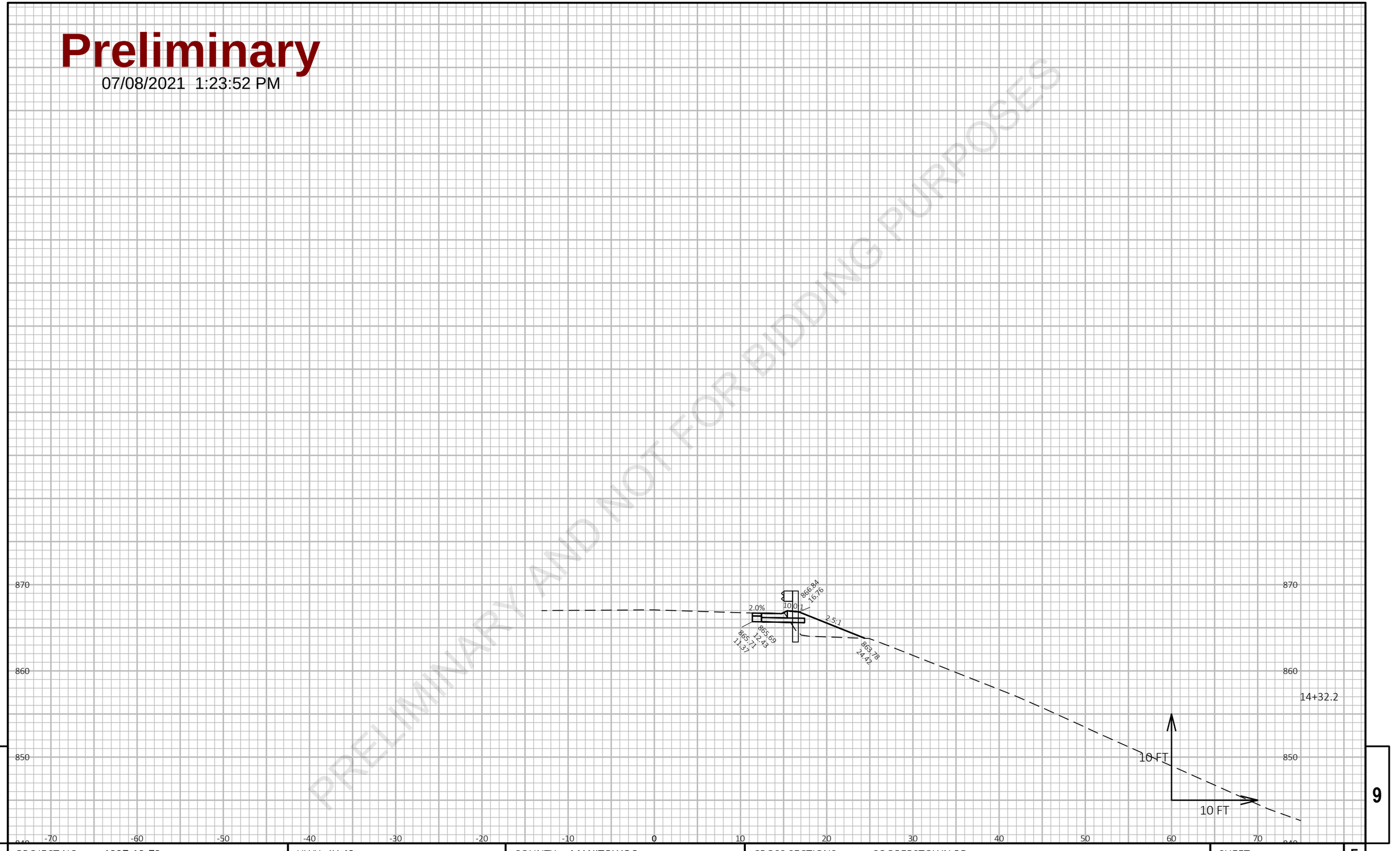
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 6

PLOT DATE : 3/5/2021 3:48 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:52 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown WB 7

PLOT DATE : 3/5/2021 3:48 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

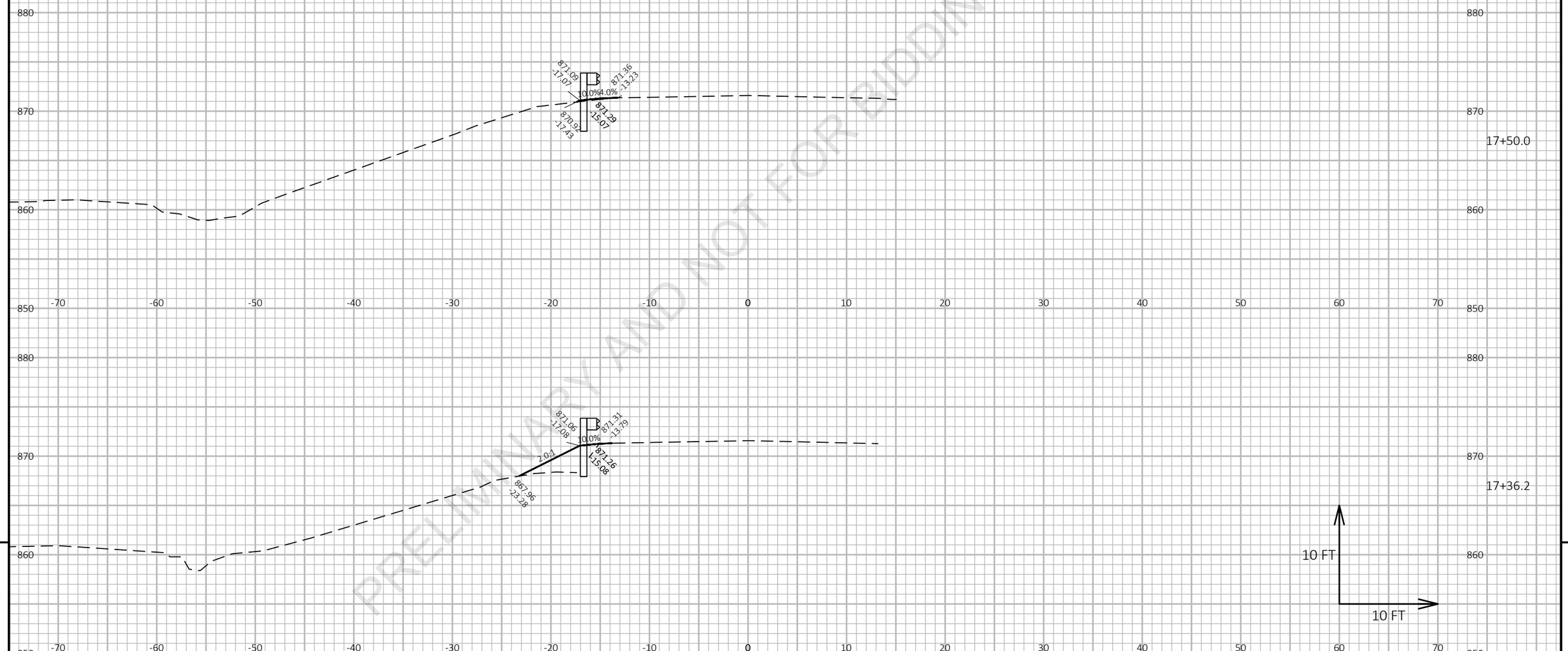
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:52 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown EB 1

PLOT DATE : 3/5/2021 3:48 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

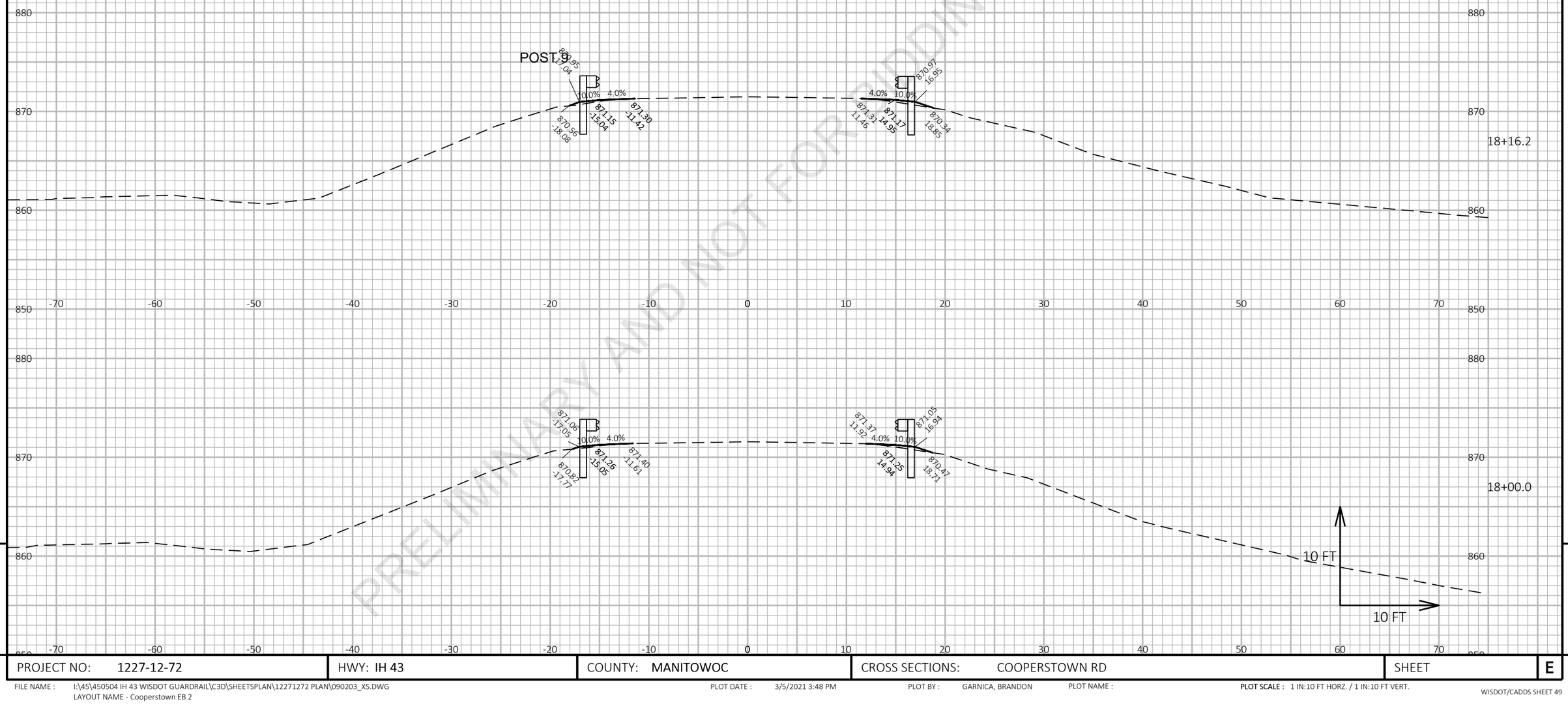
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:52 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown EB 2

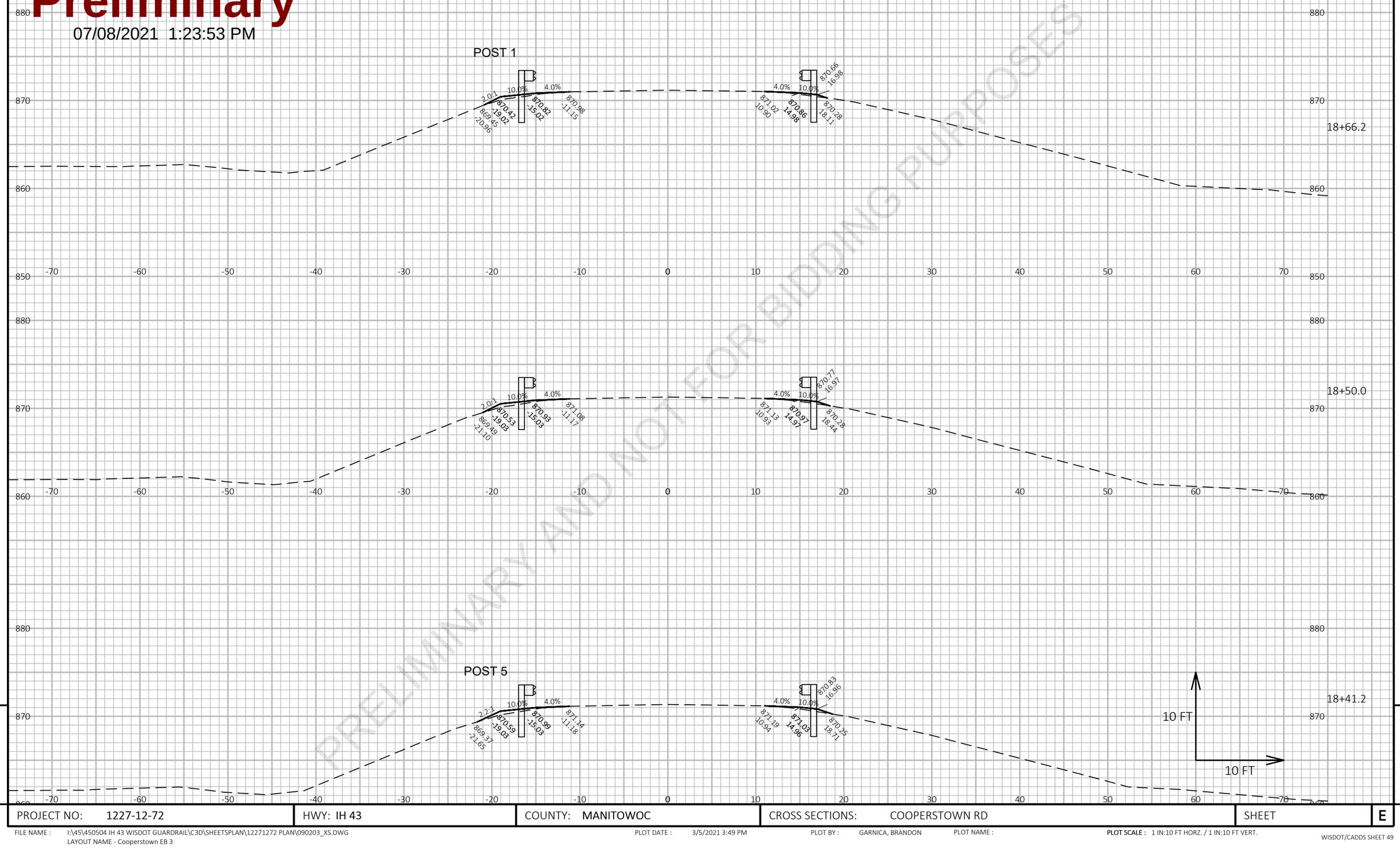
PLOT DATE : 3/5/2021 3:48 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:53 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown EB 3

PLOT DATE : 3/5/2021 3:49 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

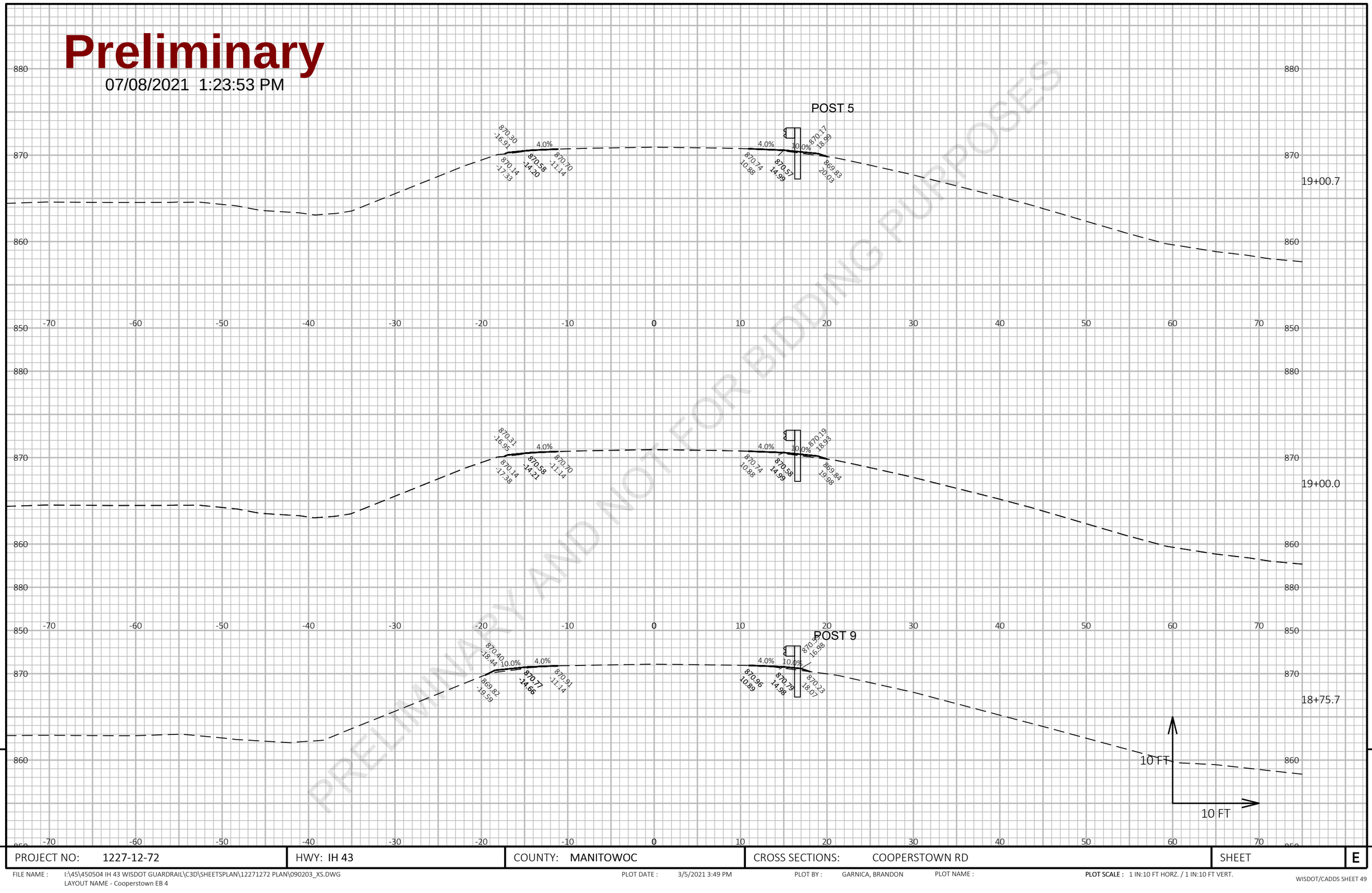
WISDOT/CADDS SHEET 49

9

Preliminary

07/08/2021 1:23:53 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

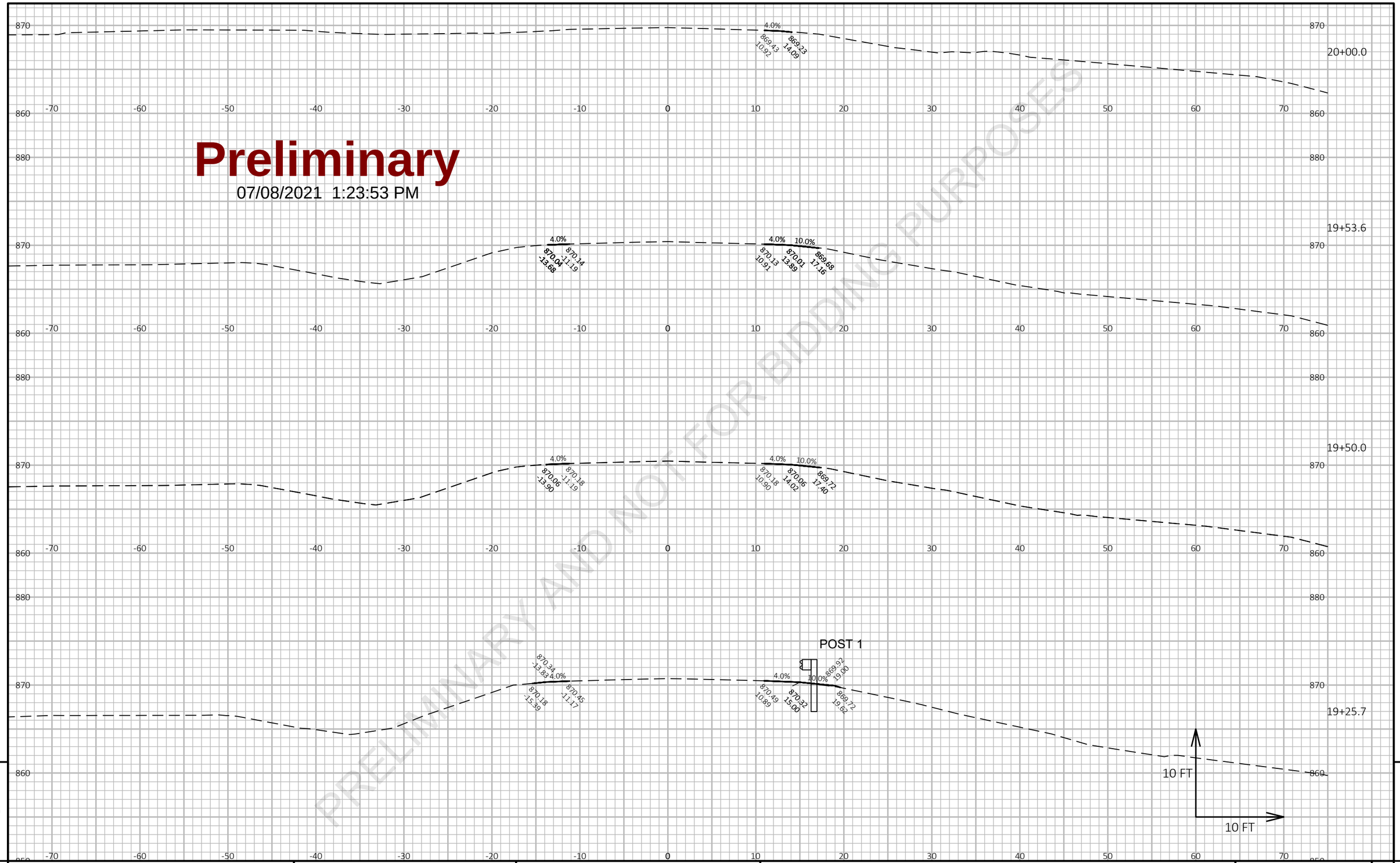
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown EB 4

PLOT DATE : 3/5/2021 3:49 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown EB 5

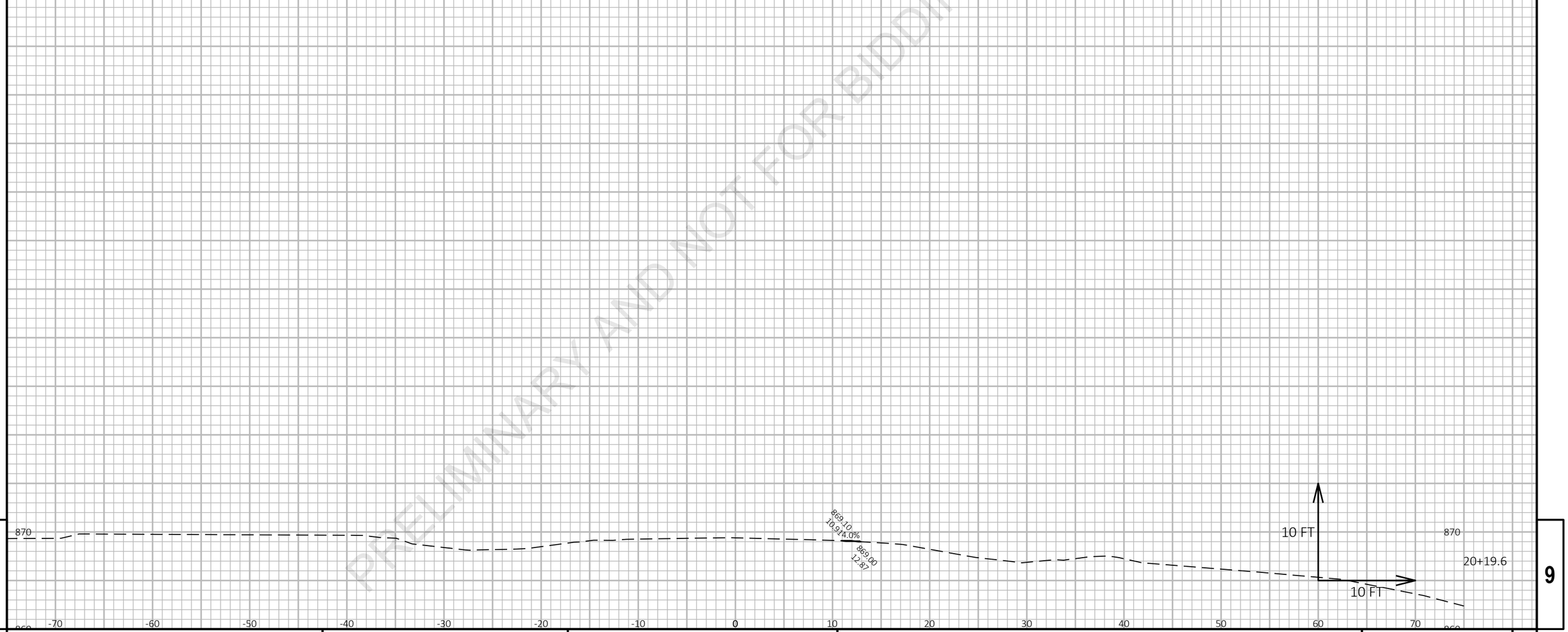
PLOT DATE : 3/5/2021 3:49 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:53 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9 9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: COOPERSTOWN RD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090203_XS.DWG
LAYOUT NAME - Cooperstown EB 6

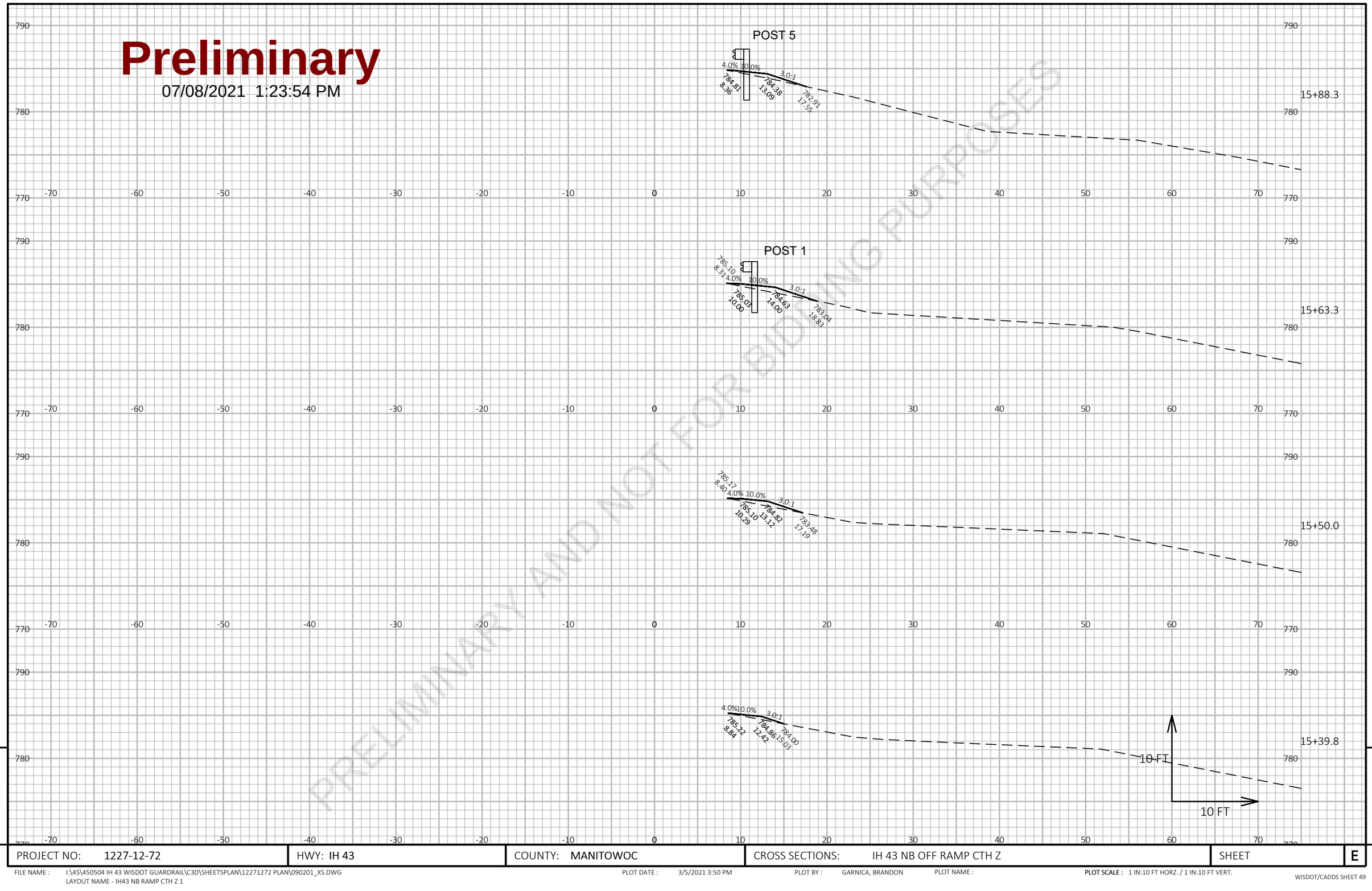
PLOT DATE : 3/5/2021 3:49 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:54 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 1

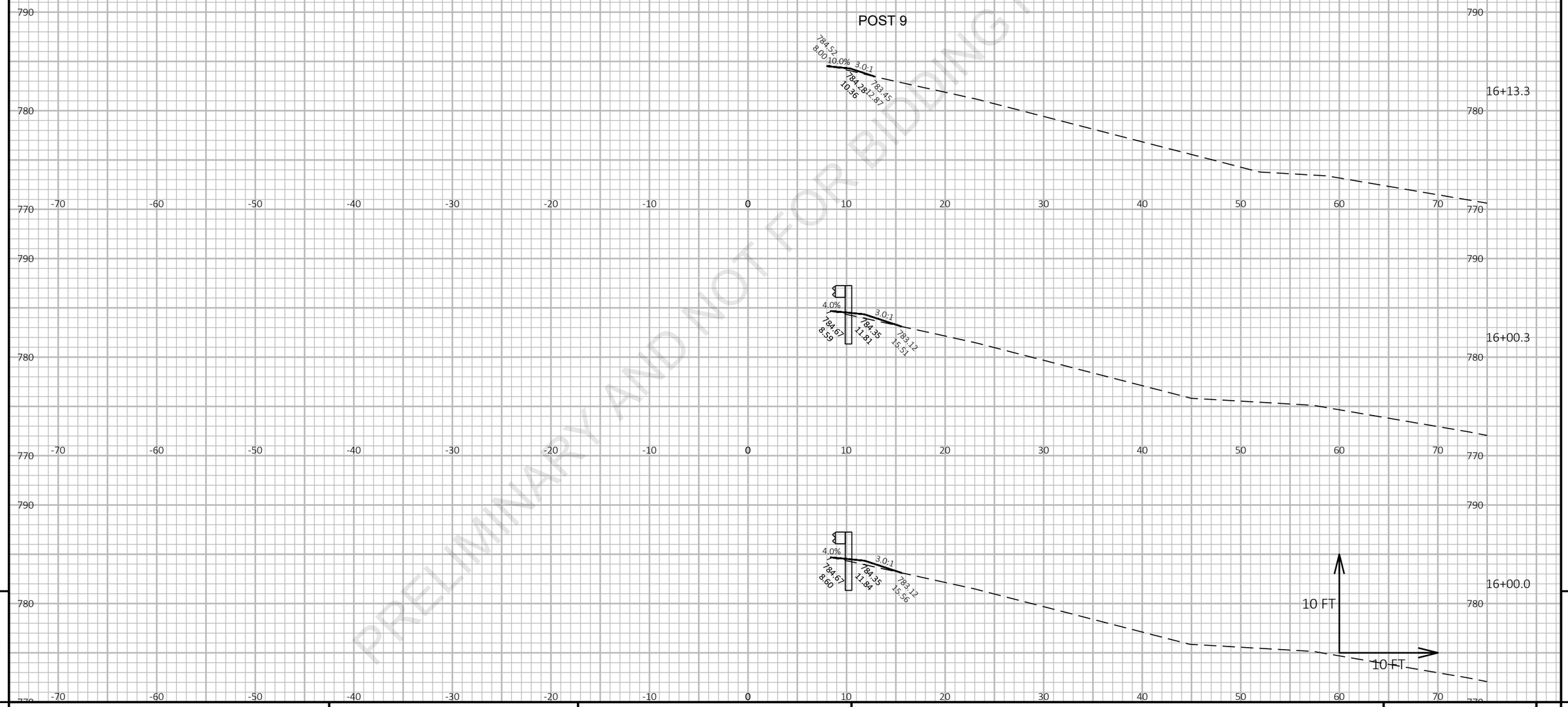
PLOT DATE : 3/5/2021 3:50 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:54 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 2

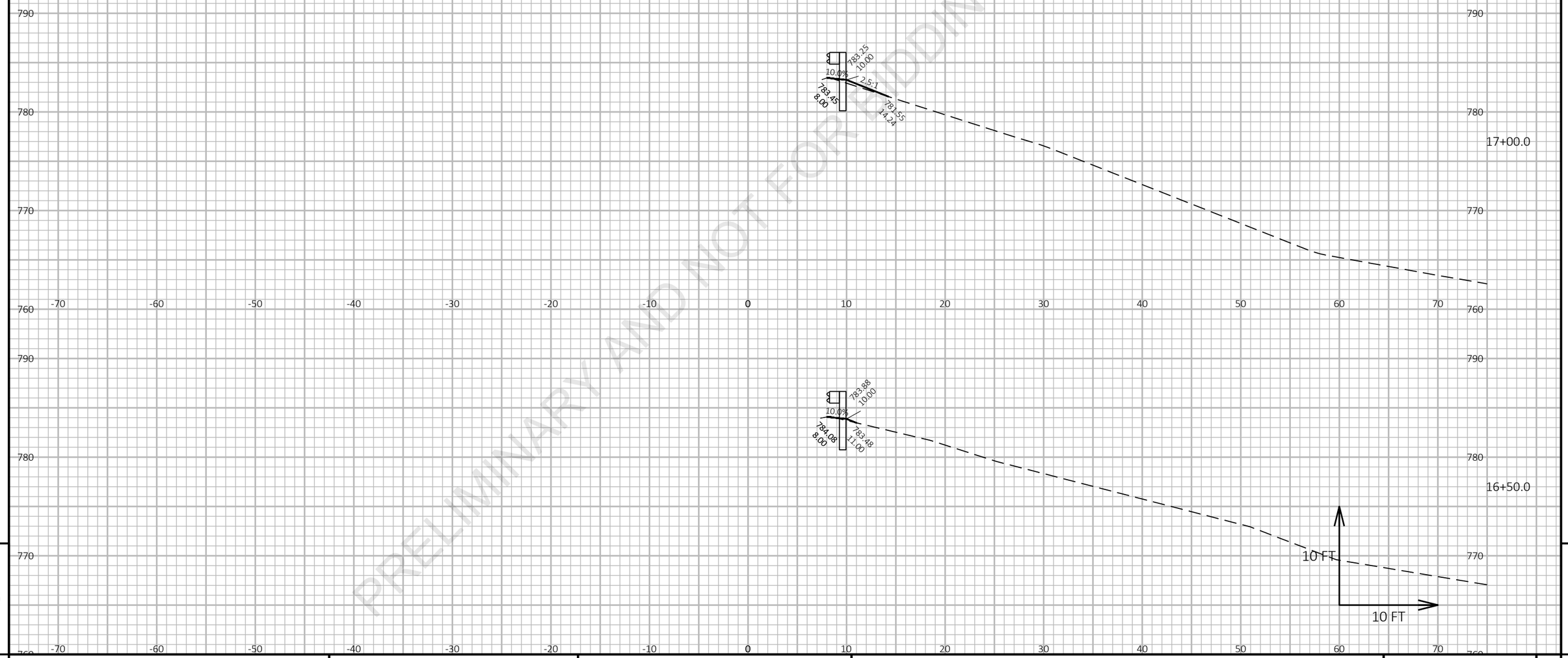
PLOT DATE : 3/5/2021 3:51 PM PLOT BY : GARNICA, BRANDON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:54 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 3

PLOT DATE : 3/5/2021 3:51 PM

PLOT BY : GARNICA, BRANDON

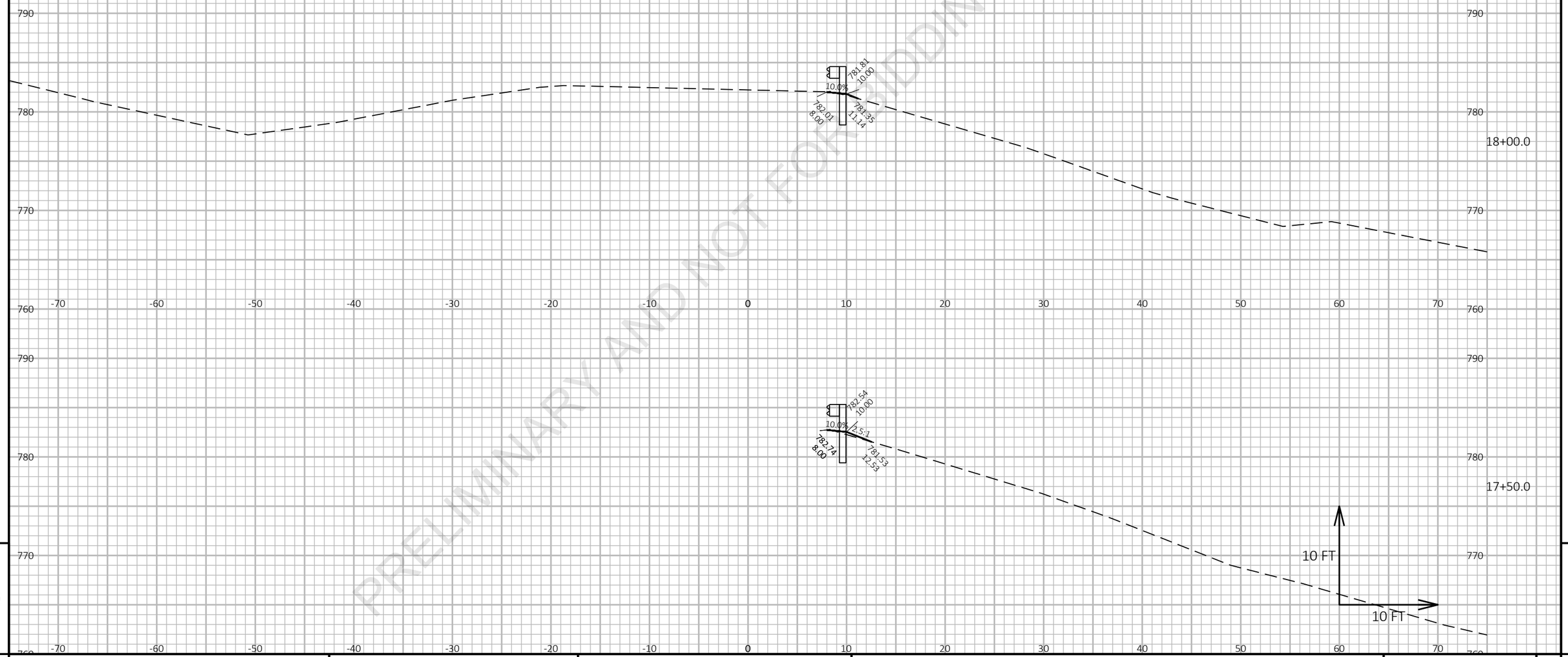
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:54 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 4

PLOT DATE : 3/5/2021 3:51 PM

PLOT BY : GARNICA, BRANDON

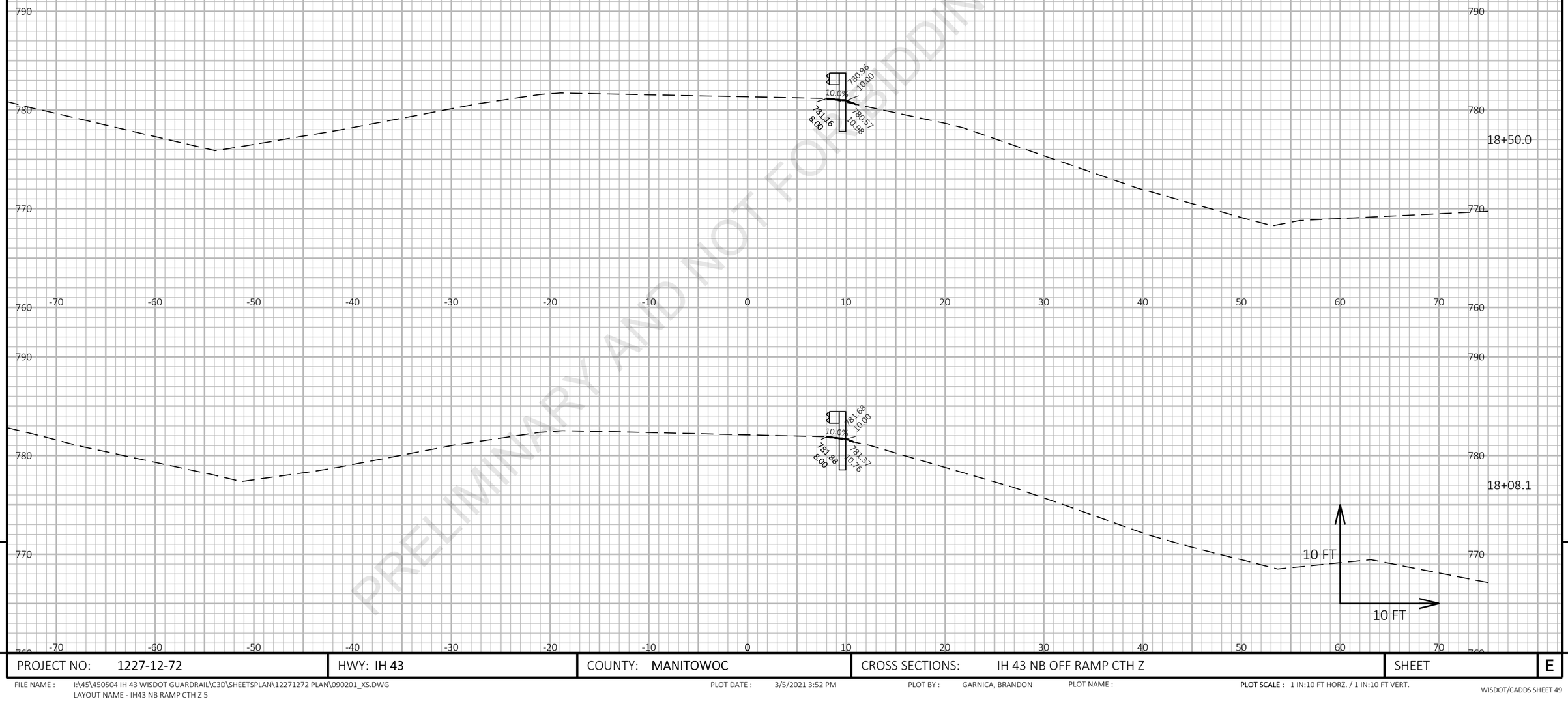
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:54 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 5

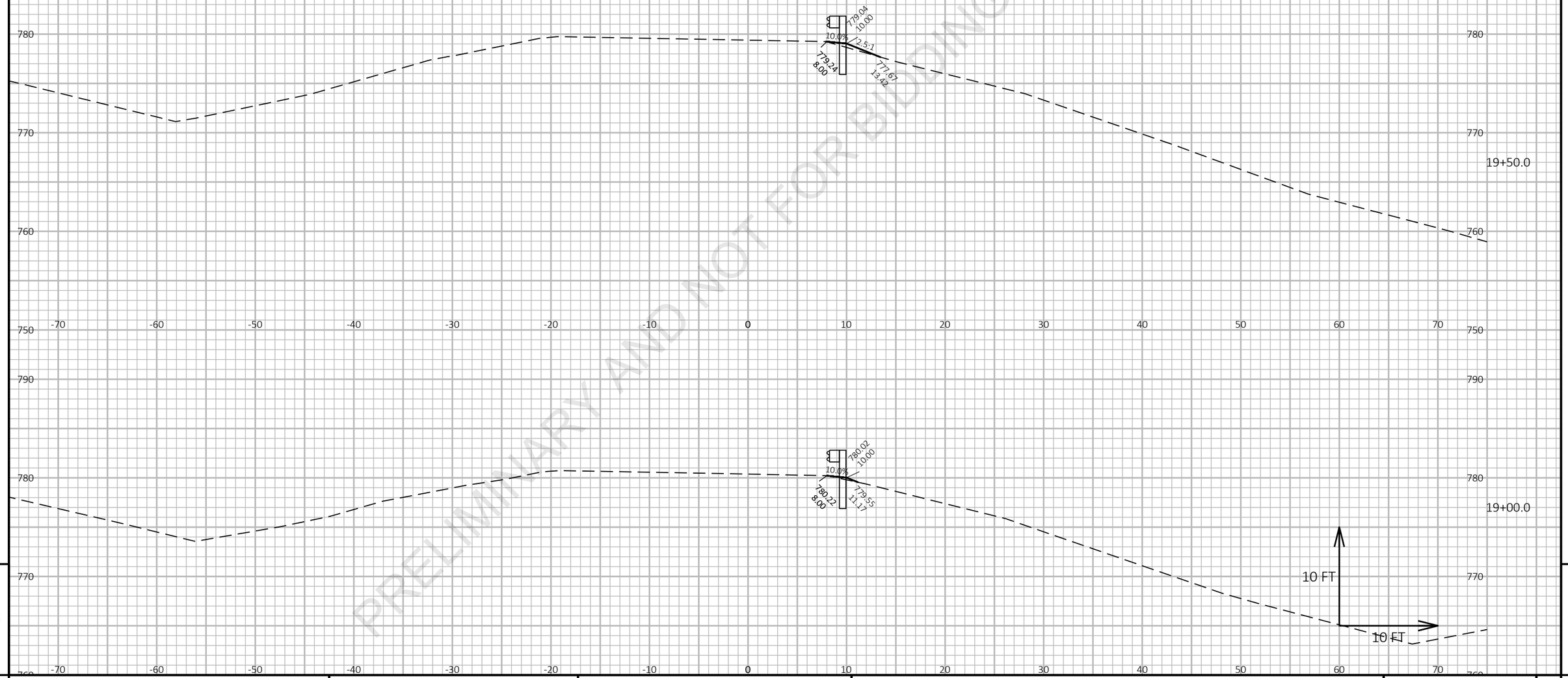
PLOT DATE : 3/5/2021 3:52 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:55 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 6

PLOT DATE : 3/5/2021 3:52 PM

PLOT BY : GARNICA, BRANDON

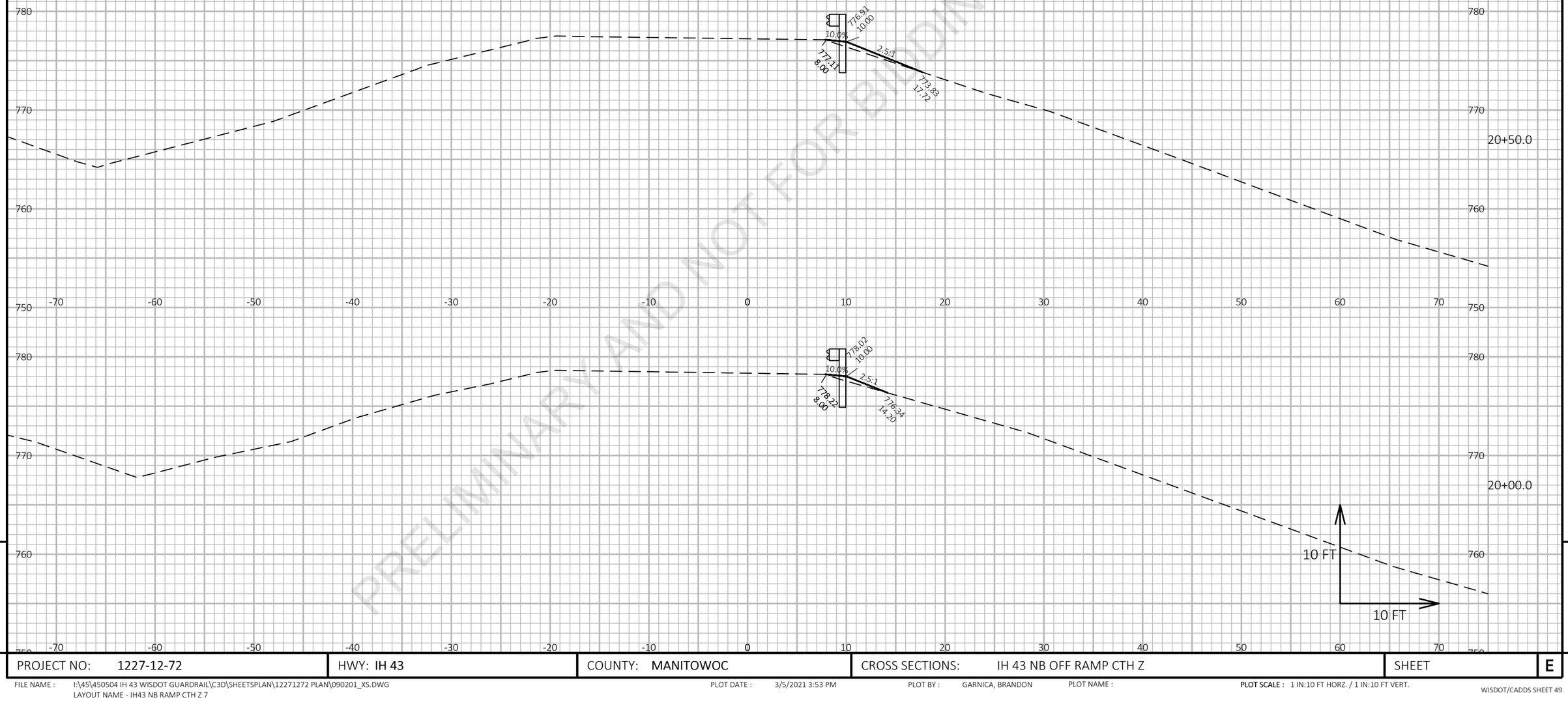
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:55 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 7

PLOT DATE : 3/5/2021 3:53 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

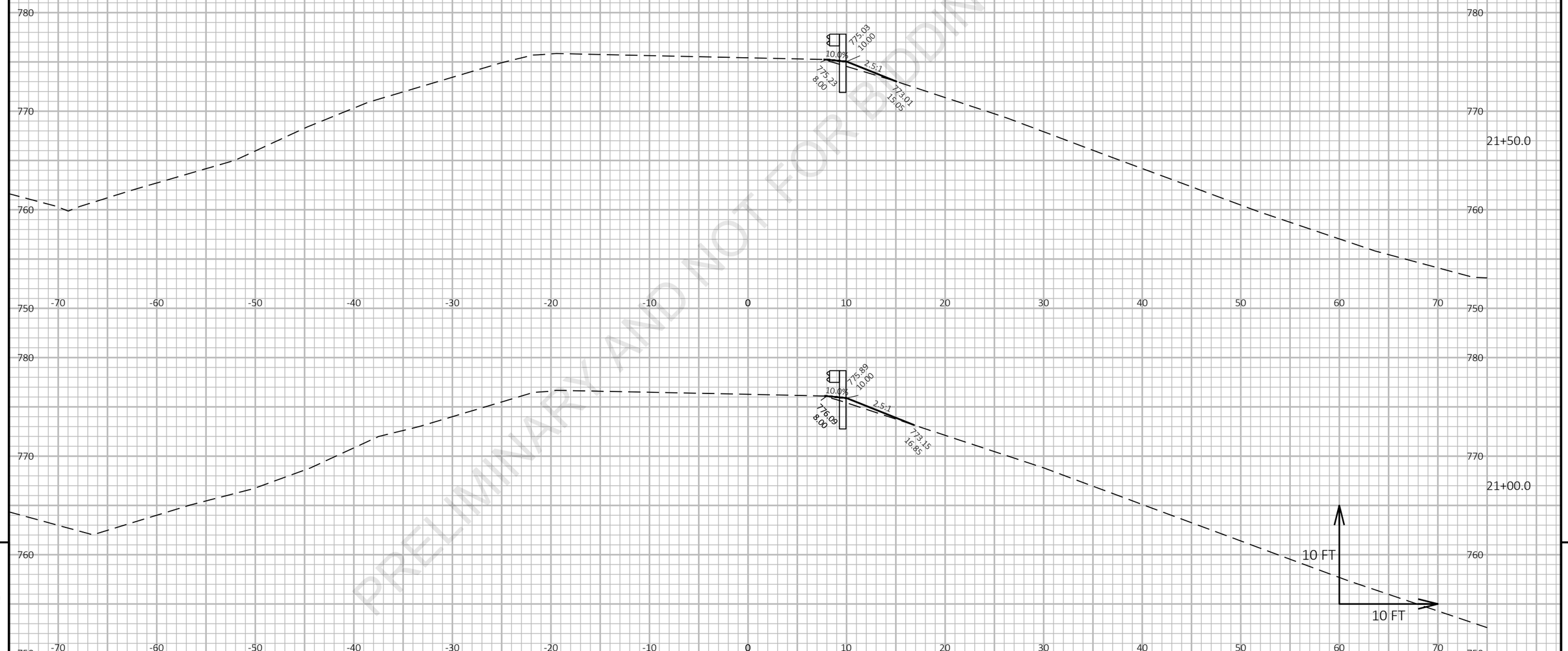
WISDOT/CADDS SHEET 49

9 9

Preliminary

07/08/2021 1:23:55 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 8

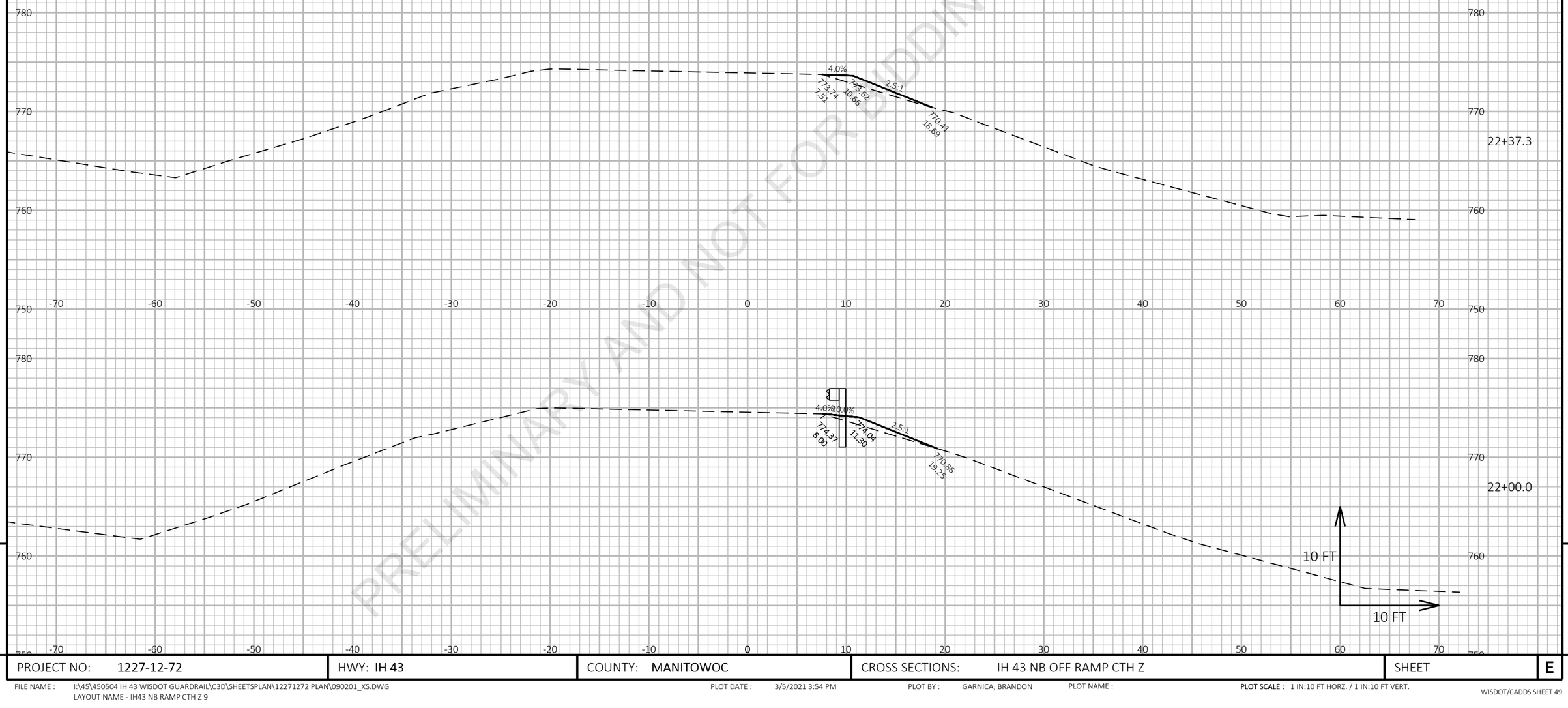
PLOT DATE : 3/5/2021 3:53 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:55 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB OFF RAMP CTH Z	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB RAMP CTH Z 9

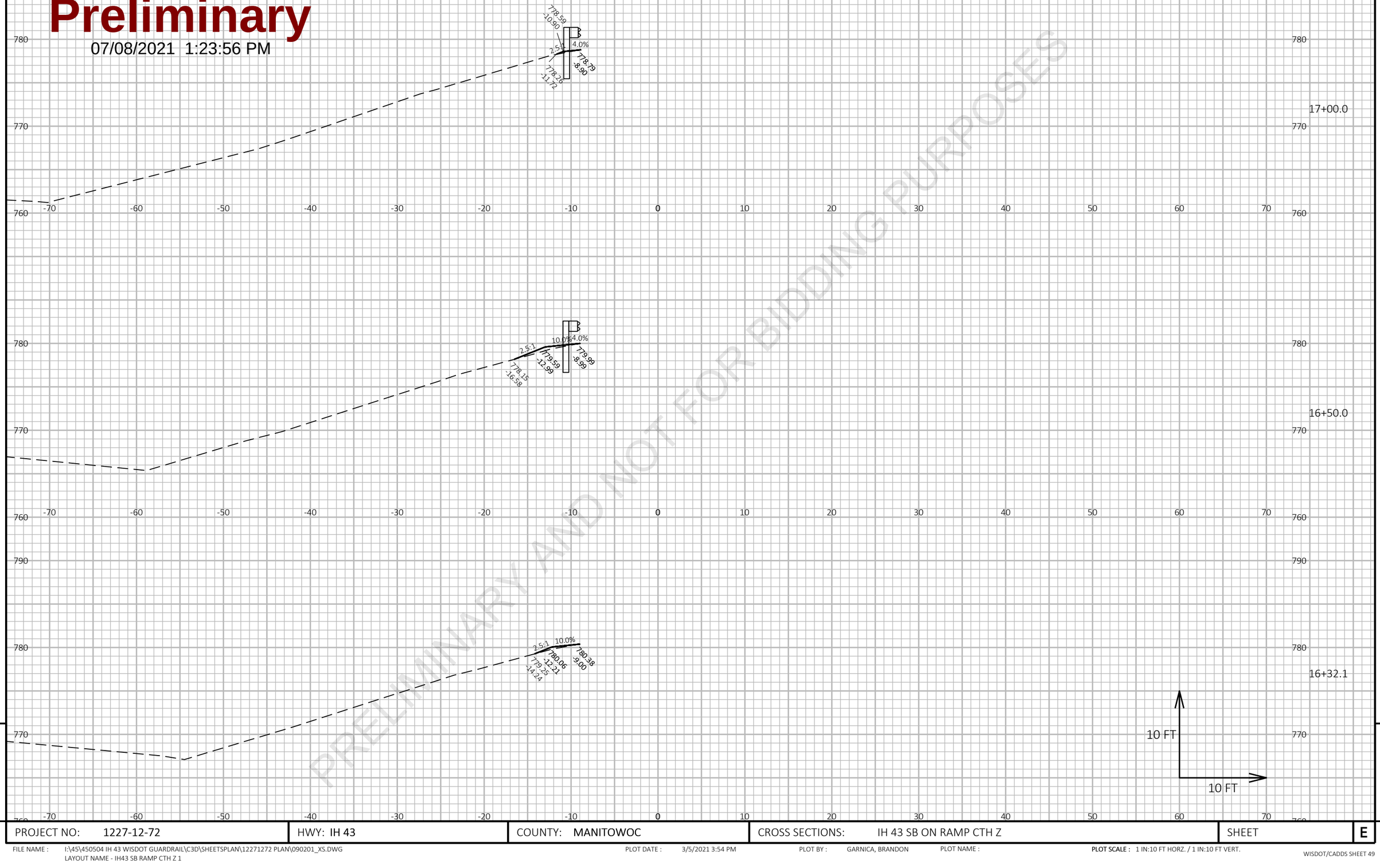
PLOT DATE : 3/5/2021 3:54 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:56 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB ON RAMP CTH Z	SHEET	E

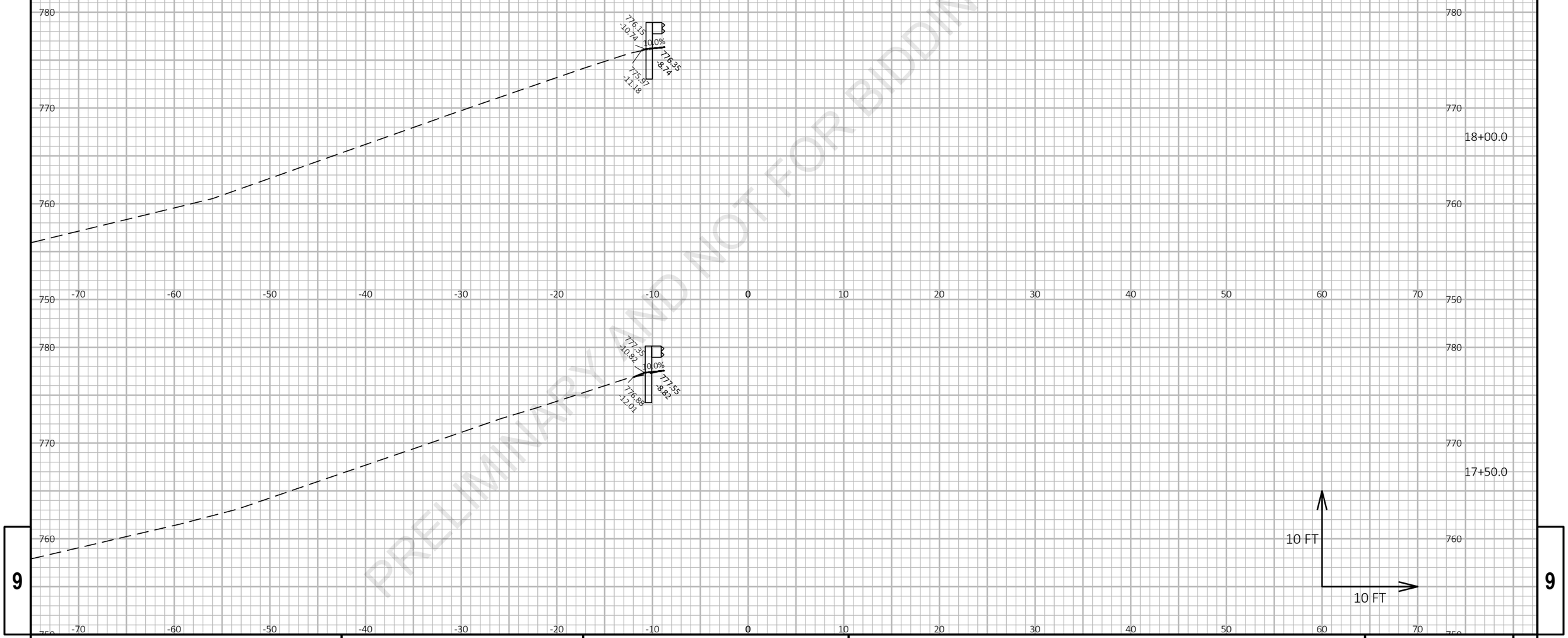
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB RAMP CTH Z 1

PLOT DATE : 3/5/2021 3:54 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:56 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB ON RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB RAMP CTH Z 2

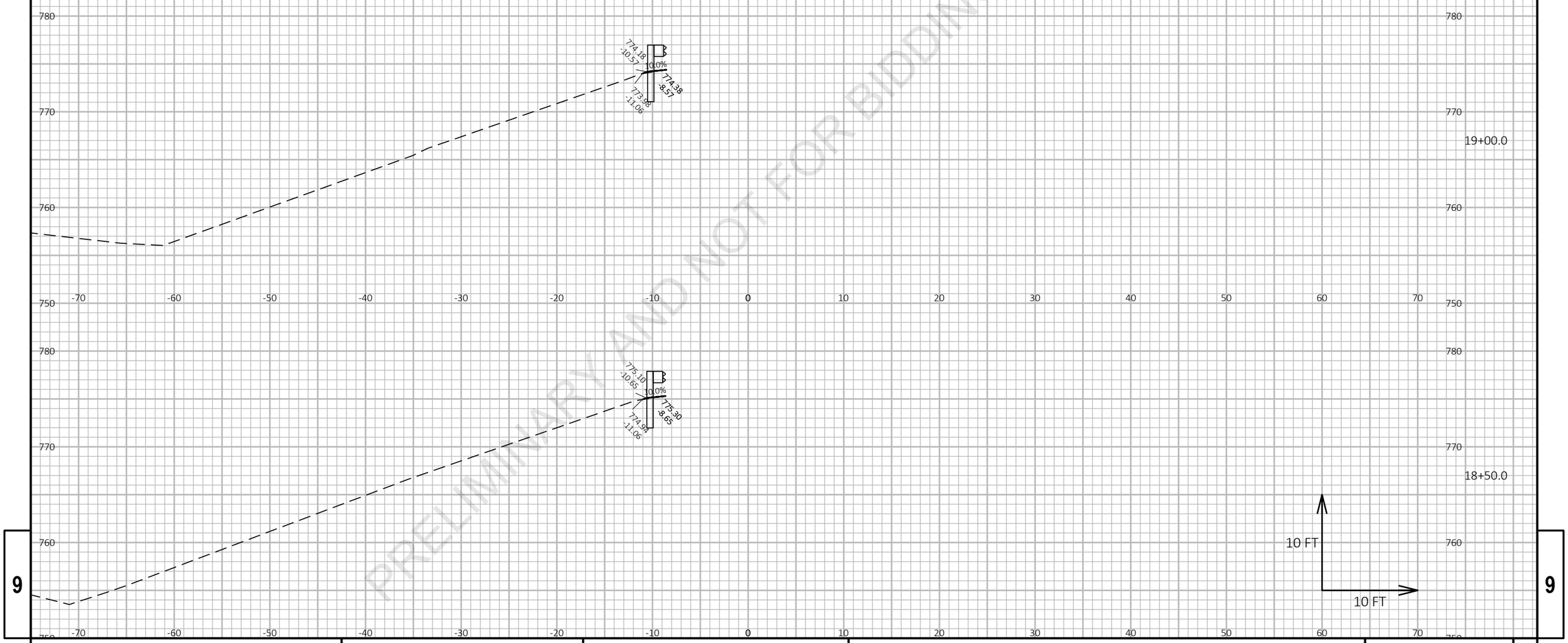
PLOT DATE : 3/5/2021 3:55 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:23:56 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB ON RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB RAMP CTH Z 3

PLOT DATE : 3/5/2021 3:55 PM

PLOT BY : GARNICA, BRANDON

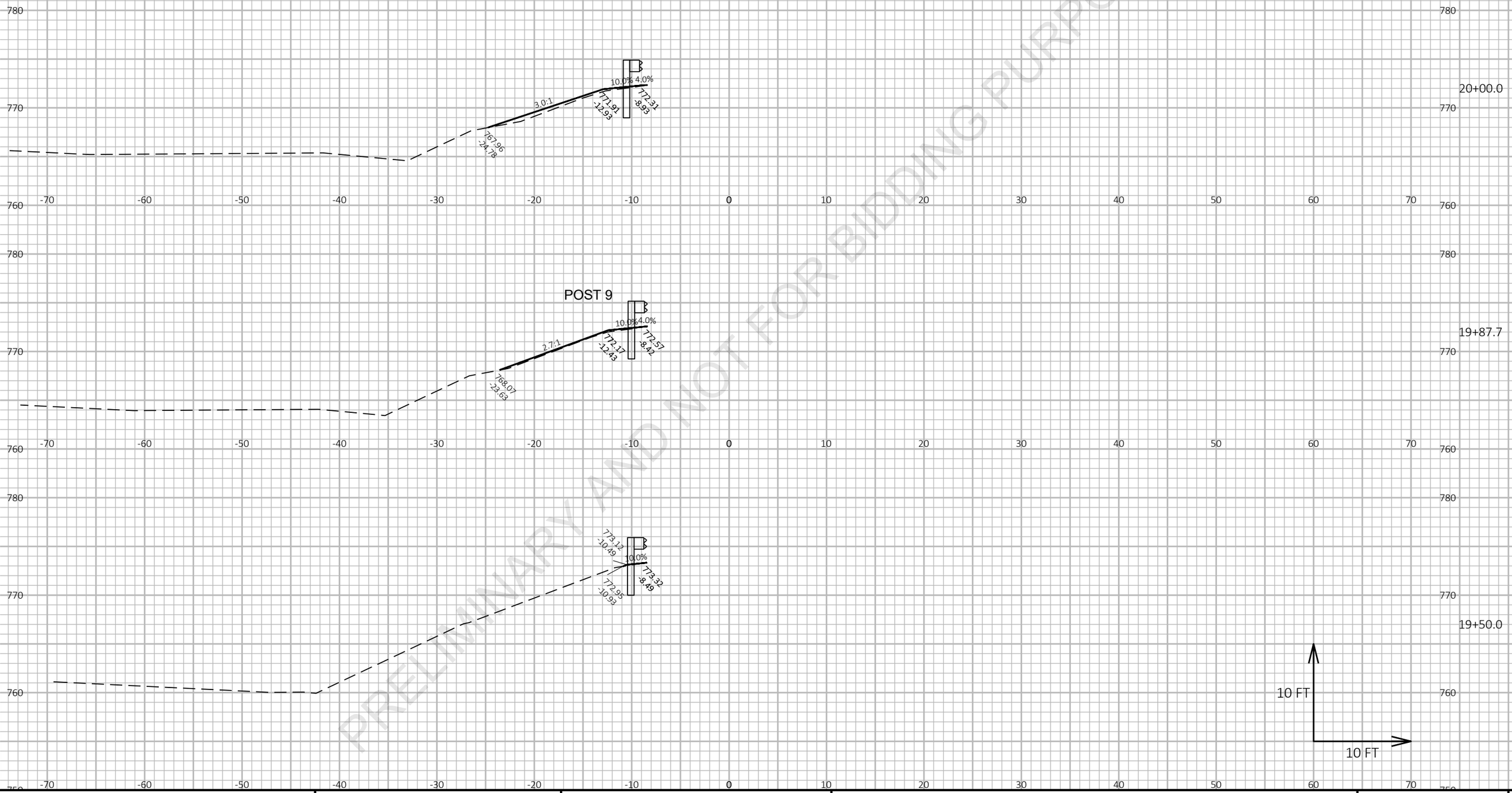
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:56 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



9

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB ON RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB RAMP CTH Z 4

PLOT DATE : 3/5/2021 3:55 PM

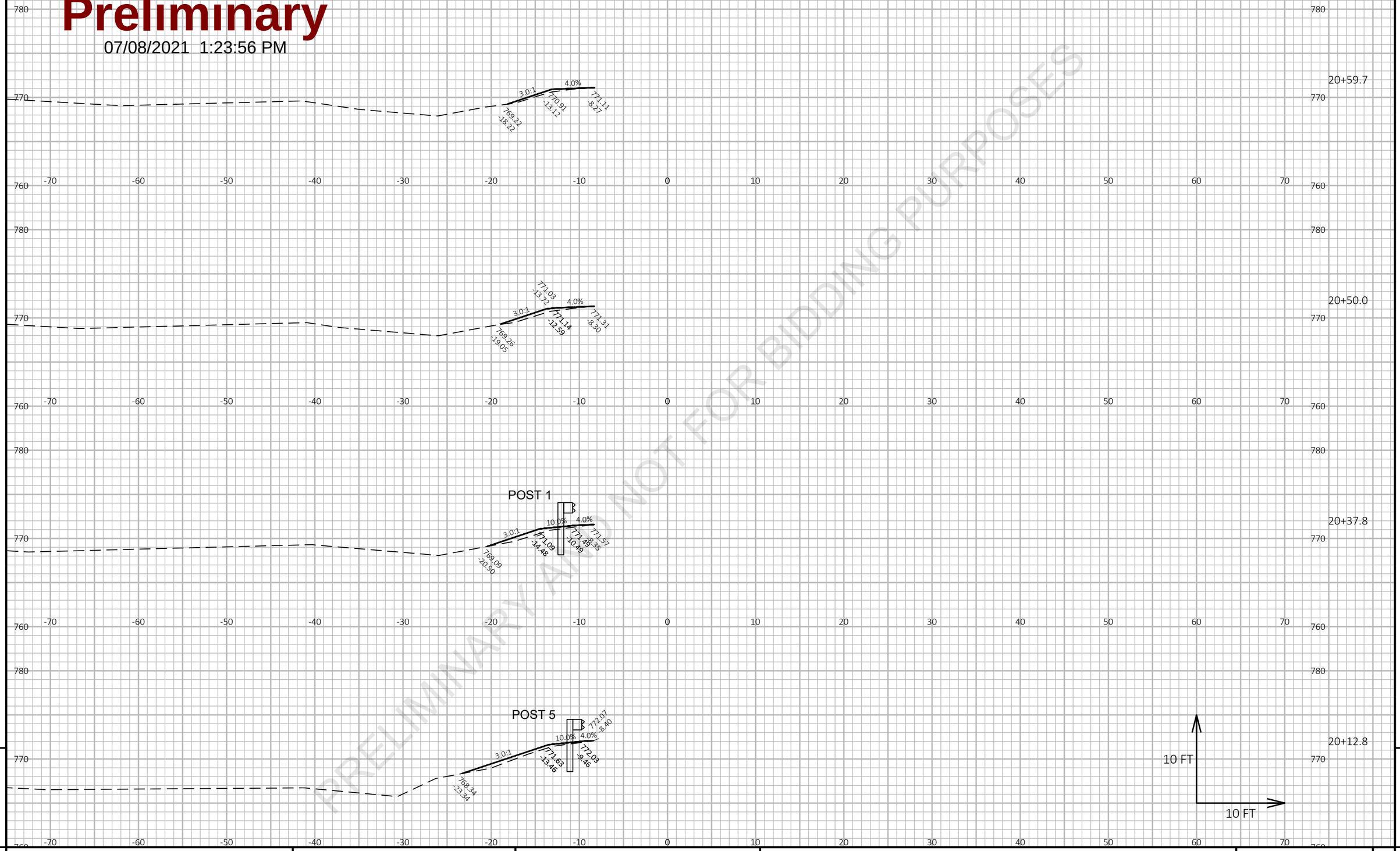
PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:23:56 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-72	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB ON RAMP CTH Z	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271272 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB RAMP CTH Z 5

PLOT DATE : 3/5/2021 3:56 PM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.