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

COUNTY: MANITOWOC

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MANITOWOC - GREEN BAY

STH 310 - DEVIL'S RIVER STATE TRAIL

IH 43
MANITOWOC COUNTY

Preliminary
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PRELIMINARY FOR BIDDING PURPOSES

STATE PROJECT NUMBER
1227-12-71

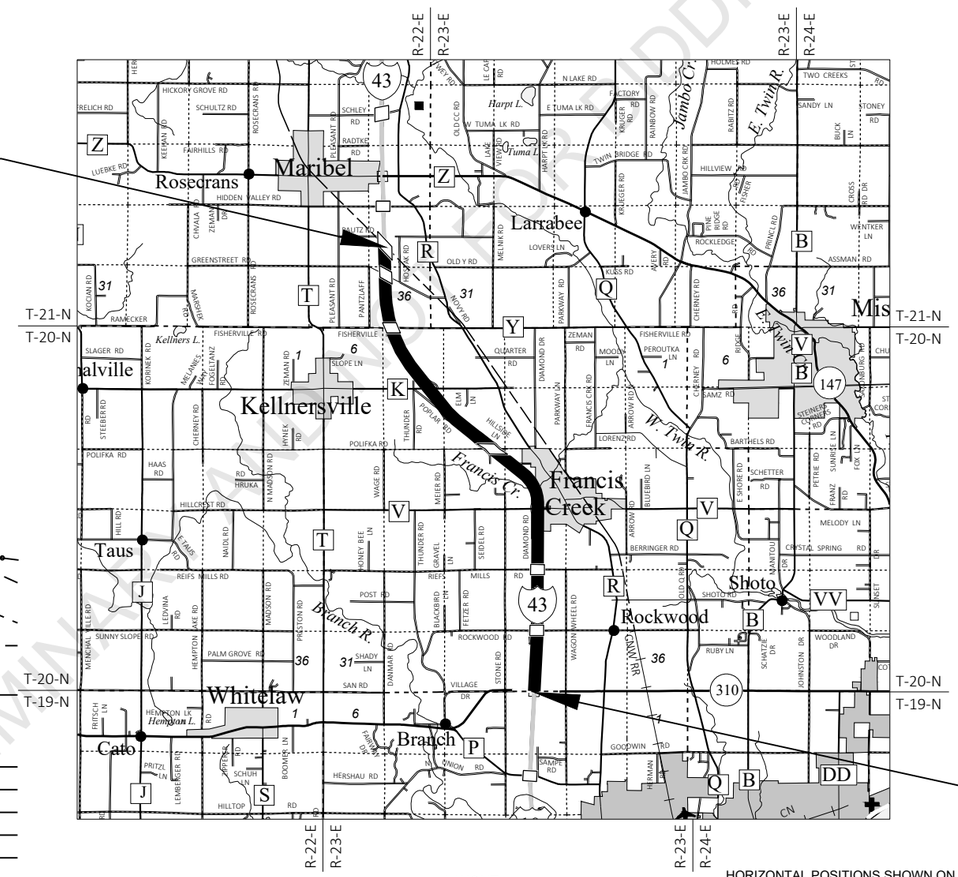
ORDER OF SHEETS

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

END PROJECT
STA 1604'NB'+57.64
Y = 362,003.226
X = 201,320.826



BEGIN PROJECT
STA 1167'NB'+61.56
Y = 323,437.735
X = 214,402.325

DESIGN DESIGNATION

A.A.D.T.	2022	=	20,230
A.A.D.T.	2042	=	22,520
D.H.V.		=	2,860
D.D.		=	58/42
T. (A.A.D.T)		=	20.6%
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

LAYOUT
SCALE 0 — 2.5 MI

TOTAL NET LENGTH OF CENTERLINE = 8.276 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

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.

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
DETOUR

Preliminary

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DNR LIAISON

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

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

UTILITIES CONTACTS

AT&T WISCONSIN - COMMUNICATION LINE
SHEA GORZELANCZYK
205 S JEFFERSON ST
GREEN BAY, WI 54301
(920) 433-4250
SG2528@ATT.COM

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

FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
RUSS RYAN
118 DIVISION ST
PLYMOUTH, WI 53073
(920) 583-3275
RUSSELL.W.RYAN@FTR.COM

PAETEC COMMUNICATIONS, LLC - COMMUNICATION LINE
ERIC BECKER
314 N DANZ AVE
GREEN BAY, WI 54302-3526
(920) 461-9825
ERIC.BECKER@WINDSTREAM.COM

COMCAST - COMMUNICATION LINE
BEN UELAND
4255 LEXINGTON AVE N STE 100
ARDEN HILLS, MN 55126
(612) 462-7911
BENJAMIN_UELAND@CABLE.COMCAST.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

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 = 85.16 ACRES

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

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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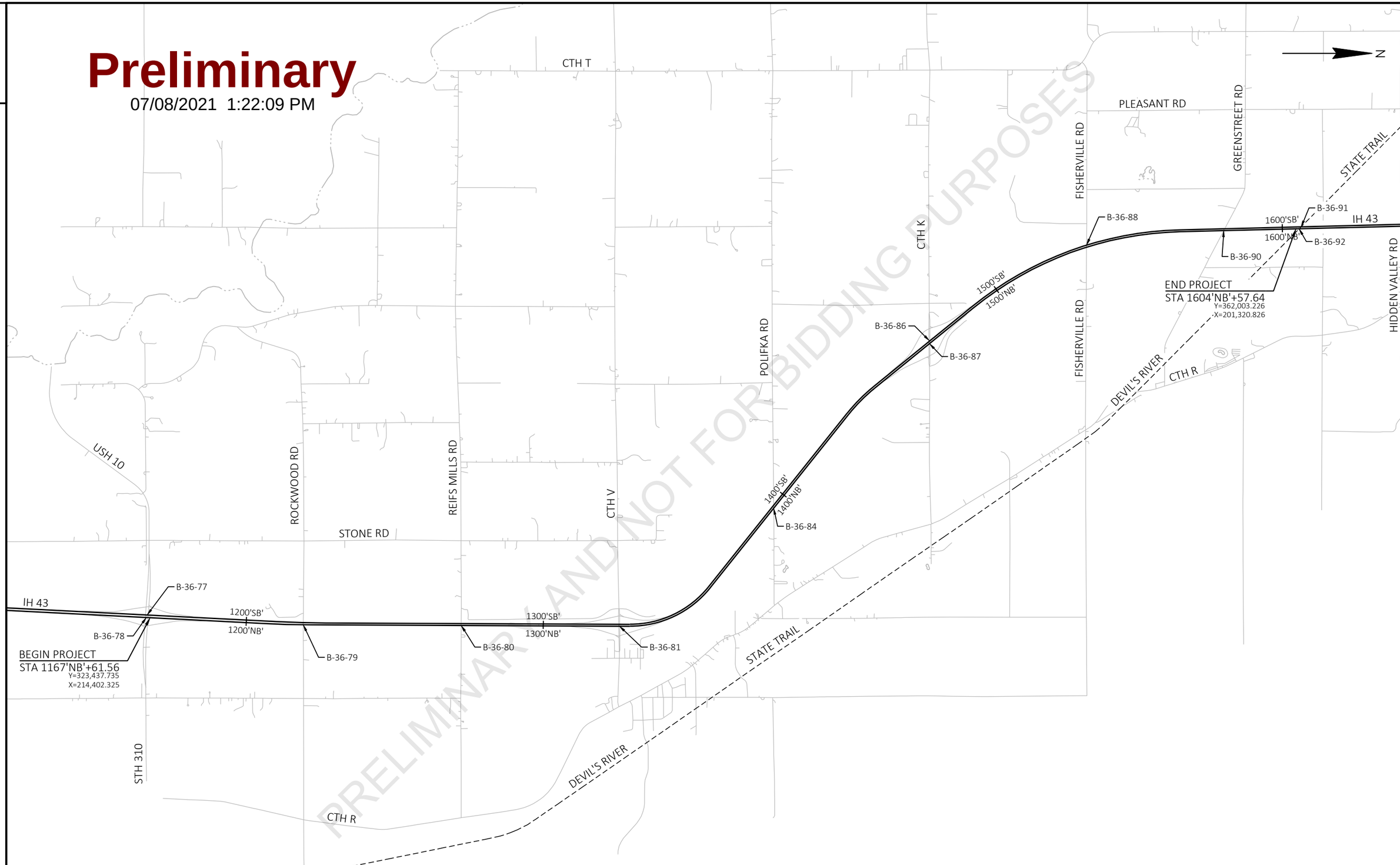

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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

Preliminary

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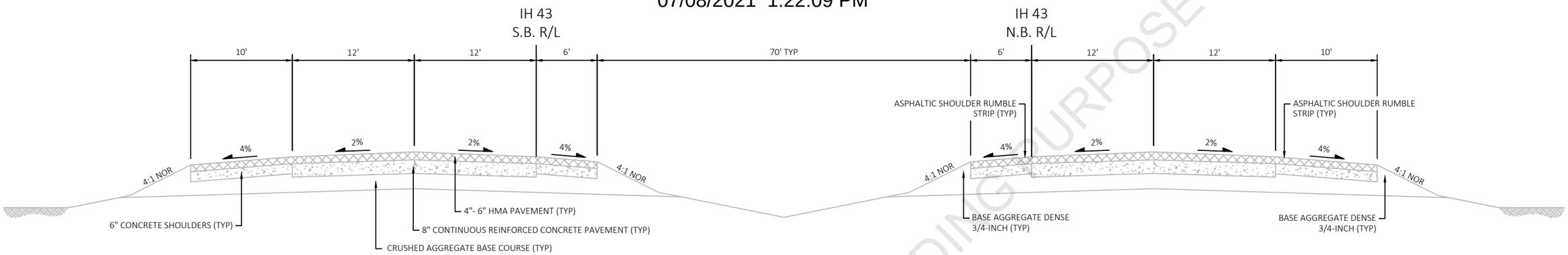
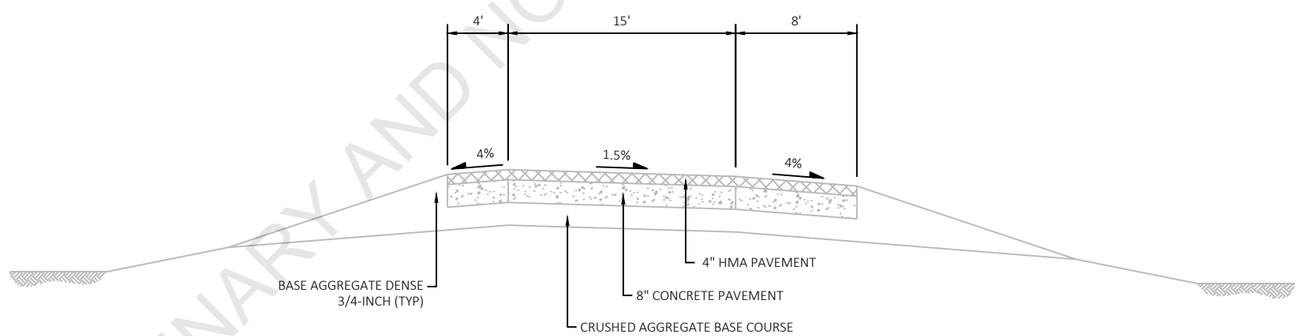


ASPHALT OVERLAYS 4" TOTAL THICKNESS AT EDGE OF TRAVEL LANES
CONCRETE TRAVEL LANES SLOPED AT 1.5 %
SUBGRADE SLOPED AT 1.5 %
CONCRETE SHOULDERS SLOPED AT 4.0 %

EXISTING TYPICAL SECTION IH 43

STA 1167'NB'+61 TO STA 1604'NB'+58



EXISTING TYPICAL SECTION FOR IH 43 RAMPS

STH 310

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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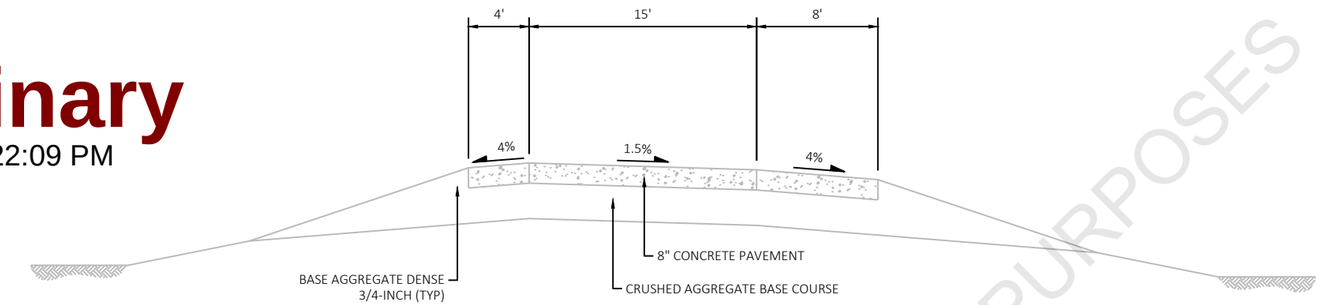
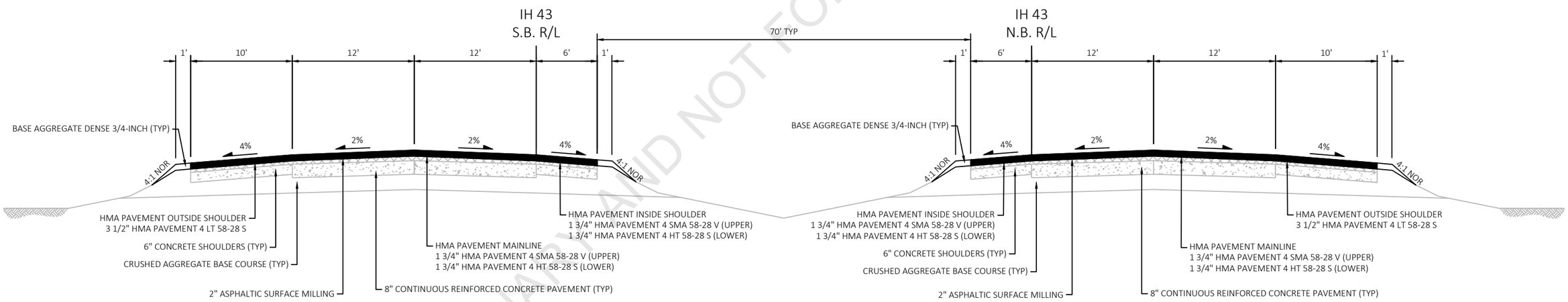


EXISTING TYPICAL SECTION FOR IH 43 RAMPS

CTH K & CTH V



STA 1280'NB'+26 TO STA 1308'NB'+01
EXISTING CONCRETE PAVEMENT TO REMAIN

FINISHED TYPICAL SECTION IH 43

STA 1167'NB'+61 TO STA 1604'NB'+58

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	TYPICAL SECTIONS	SHEET	E

Preliminary

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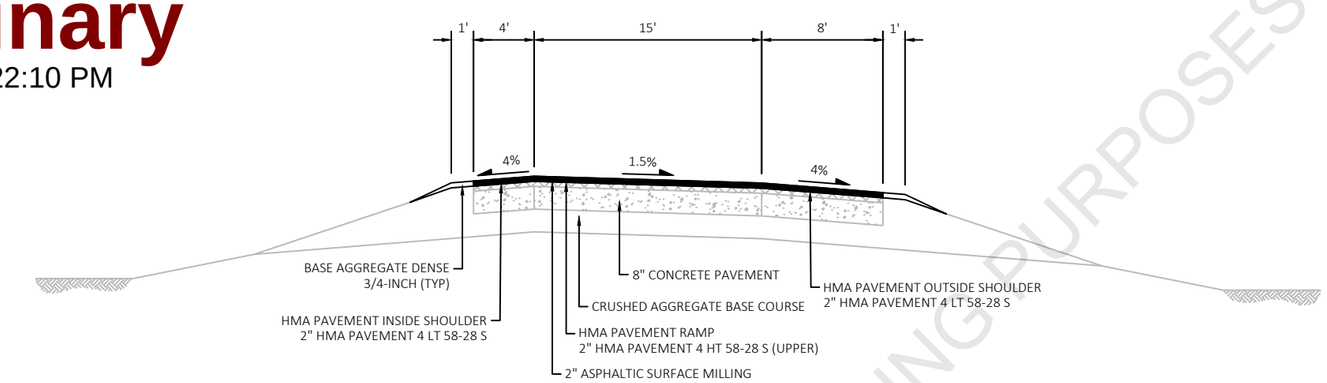
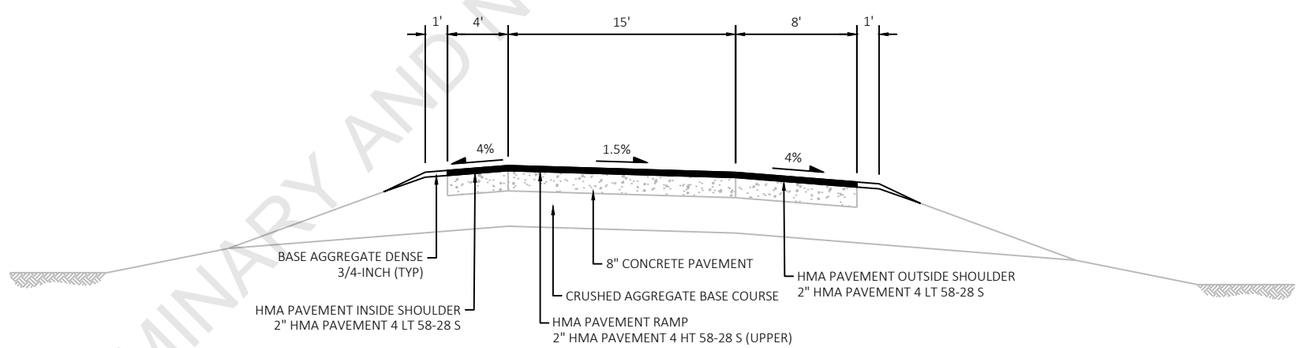


FINISHED TYPICAL SECTION FOR IH 43 RAMPS

STH 310



FINISHED TYPICAL SECTION FOR IH 43 RAMPS

CTH K
CTH V

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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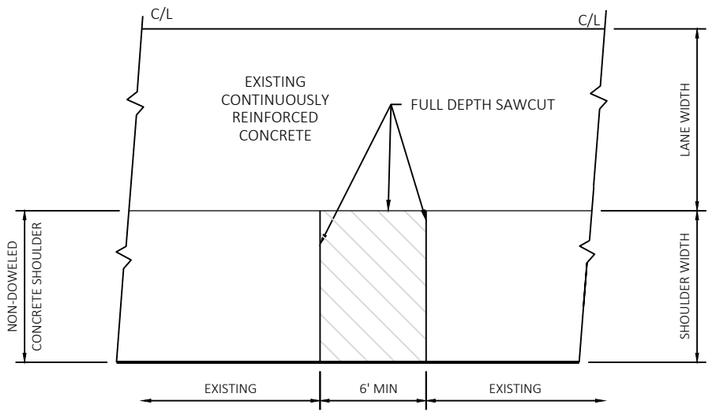


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL

SHOULDER ONLY

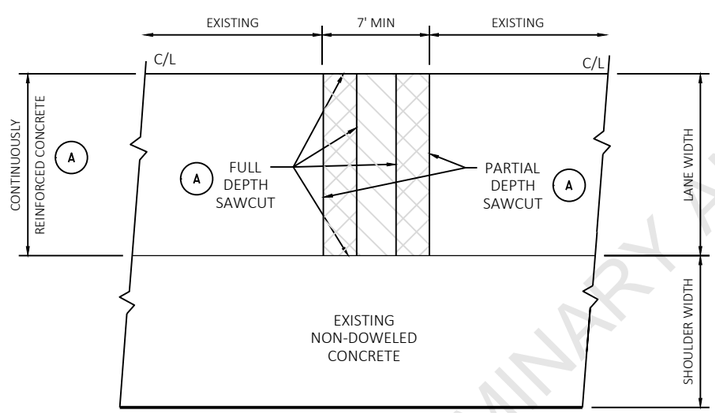
GENERAL NOTES

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.

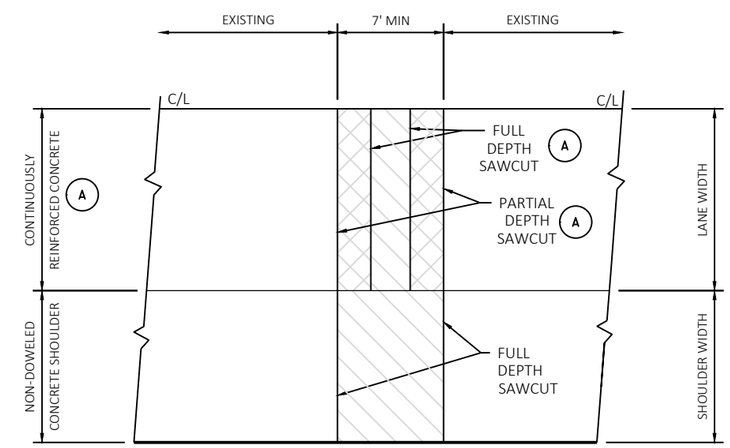
A REFER TO SDD CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR AND REPLACEMENT.



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

Preliminary

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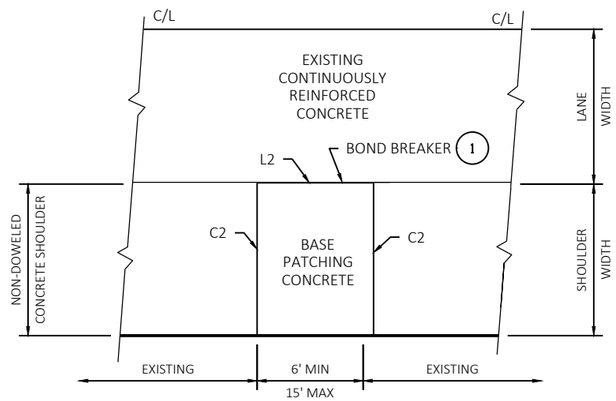


PLAN VIEW

SHOULDER BASE PATCH

15' MAXIMUM LENGTH

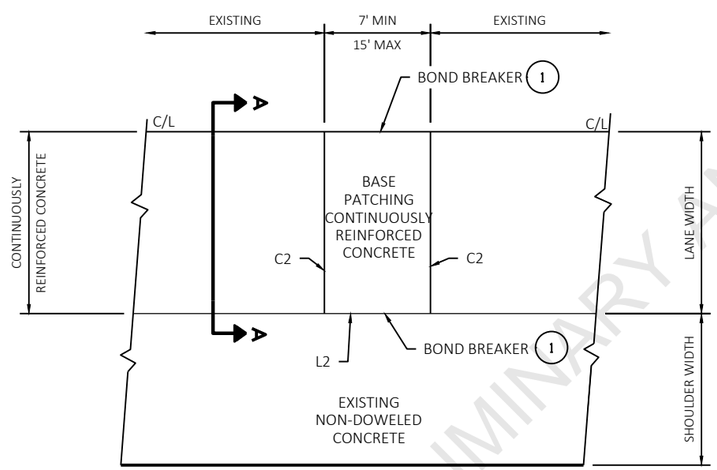
GENERAL NOTES

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

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.

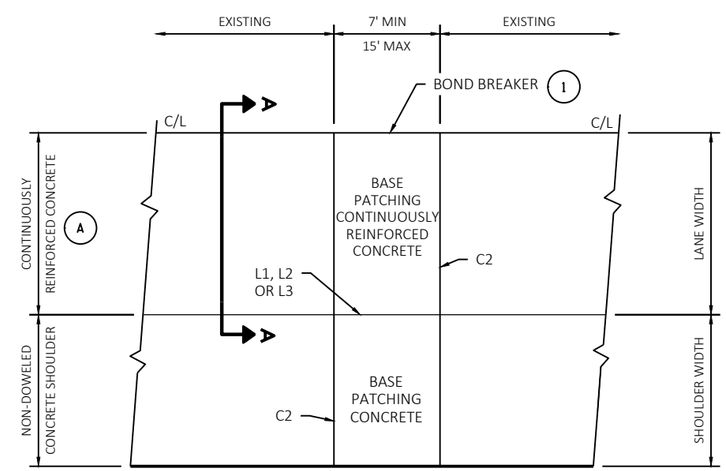
A REFER TO CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR AND REPLACEMENT.



PLAN VIEW

MAINLINE BASE PATCH

15' MAXIMUM LENGTH

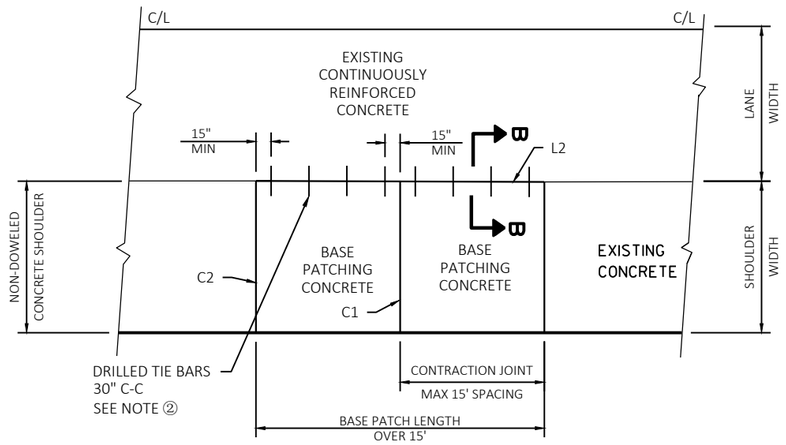


PLAN VIEW

MAINLINE AND SHOULDER BASE PATCH

15' MAXIMUM LENGTH

PRELIMINARY AND NOT FOR BIDDING PURPOSES



PLAN VIEW

SHOULDER BASE PATCH

GREATER THAN 15' IN LENGTH

Preliminary

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NOTES

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

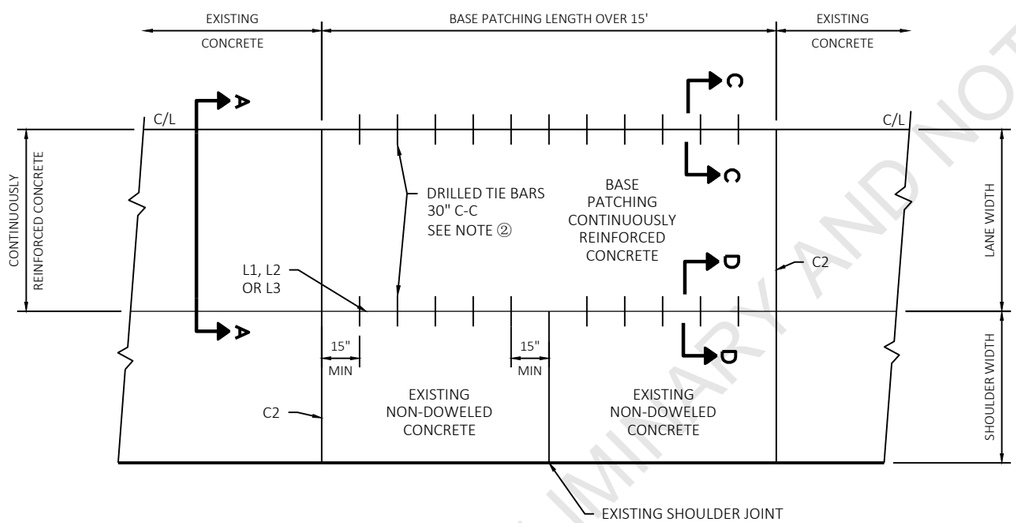
DRILLED TIE BARS ARE 12" NO. 6 BAR SPACED AT 30" C-C INTO EXISTING CONCRETE. TIE BARS PLACED IN NEW CONCRETE ARE 30" N0. 4 BARS SPACED AT 36". DRILLED TIE BARS WILL BE PAID UNDER THE DRILLED TIE BAR ITEM. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

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 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR AND REPLACEMENT.

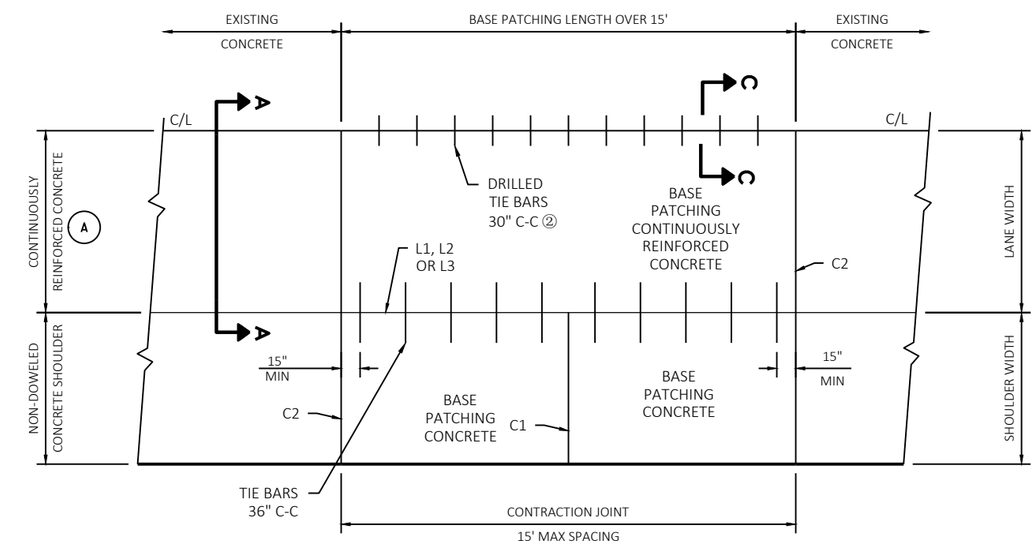
PRELIMINARY AND NOT FOR BIDDING PURPOSES



PLAN VIEW

MAINLINE BASE PATCH

GREATER THAN 15' IN LENGTH



PLAN VIEW

MAINLINE AND SHOULDER BASE PATCH

GREATER THAN 15' IN LENGTH

Preliminary

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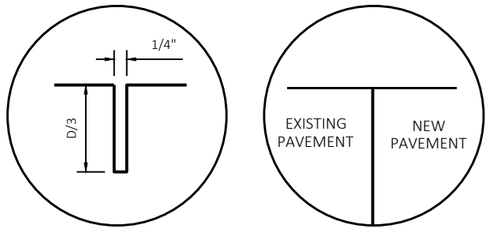
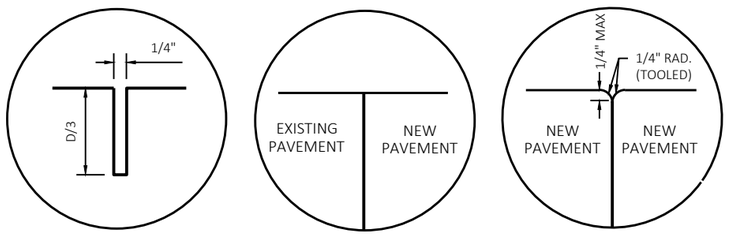


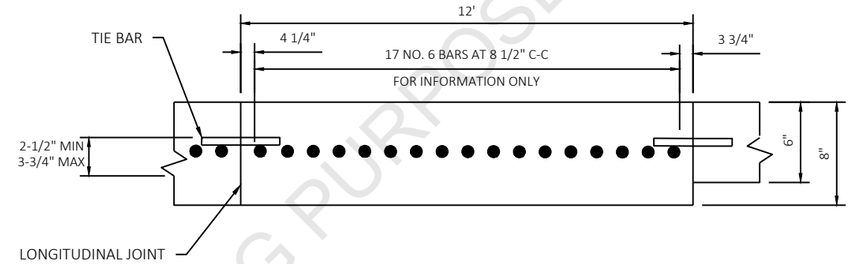
C1 C2

TRANSVERSE JOINTS



L1 L2 L3

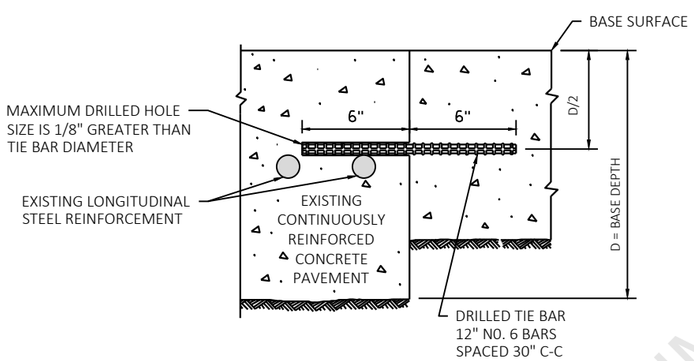
LONGITUDINAL JOINTS



SECTION A-A

EXISTING LONGITUDINAL STEEL PLACEMENT IN CRCP REPAIRS

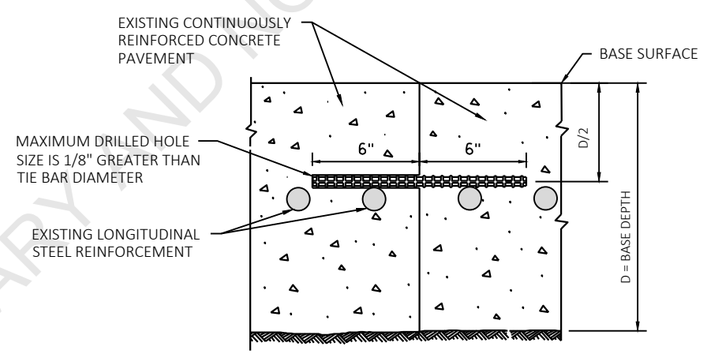
FOR INFORMATION ONLY



SECTION B-B

DRILLED TIE BAR

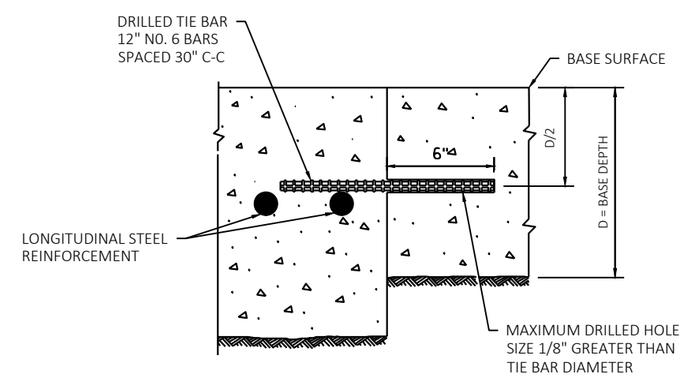
MAINLINE-SHOULDER



SECTION C-C

DRILLED TIE BAR

MAINLINE-MAINLINE



SECTION D-D

DRILLED TIE BAR

MAINLINE-SHOULDER

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CONSTRUCTION DETAILS	SHEET	E

2

Preliminary

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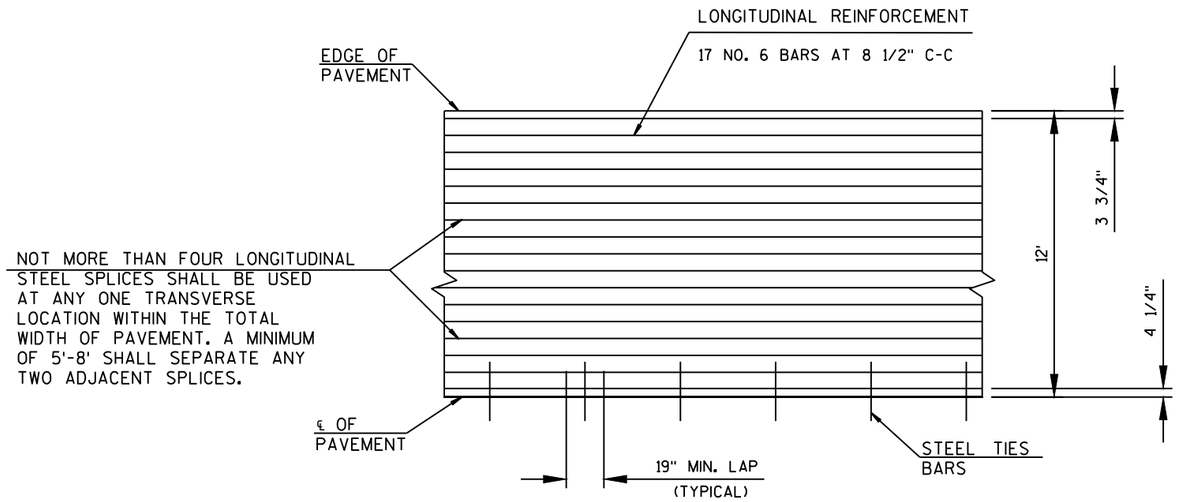
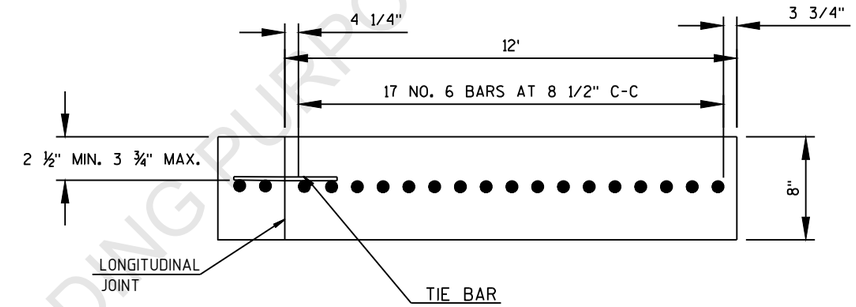


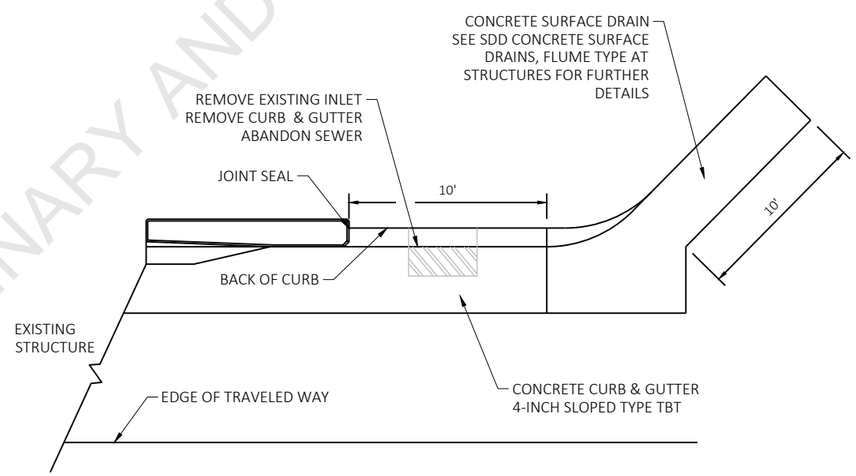
REINFORCEMENT STEEL PLACEMENT



LONGITUDINAL CENTERLINE JOINT DETAIL

CONTINUOUSLY REINFORCED CONCRETE LONGITUDINAL BAR SPACING

NOTE: SEE STANDARD DETAIL FOR MORE INFORMATION



CONCRETE SURFACE DRAIN AT STRUCTURES WITHOUT BEAMGUARD

PRELIMINARY AND NOT FOR BIDDING PURPOSES

NOTES

MAINTAIN MINIMUM BRIDGE CLEARANCE OF 16 FT

Preliminary

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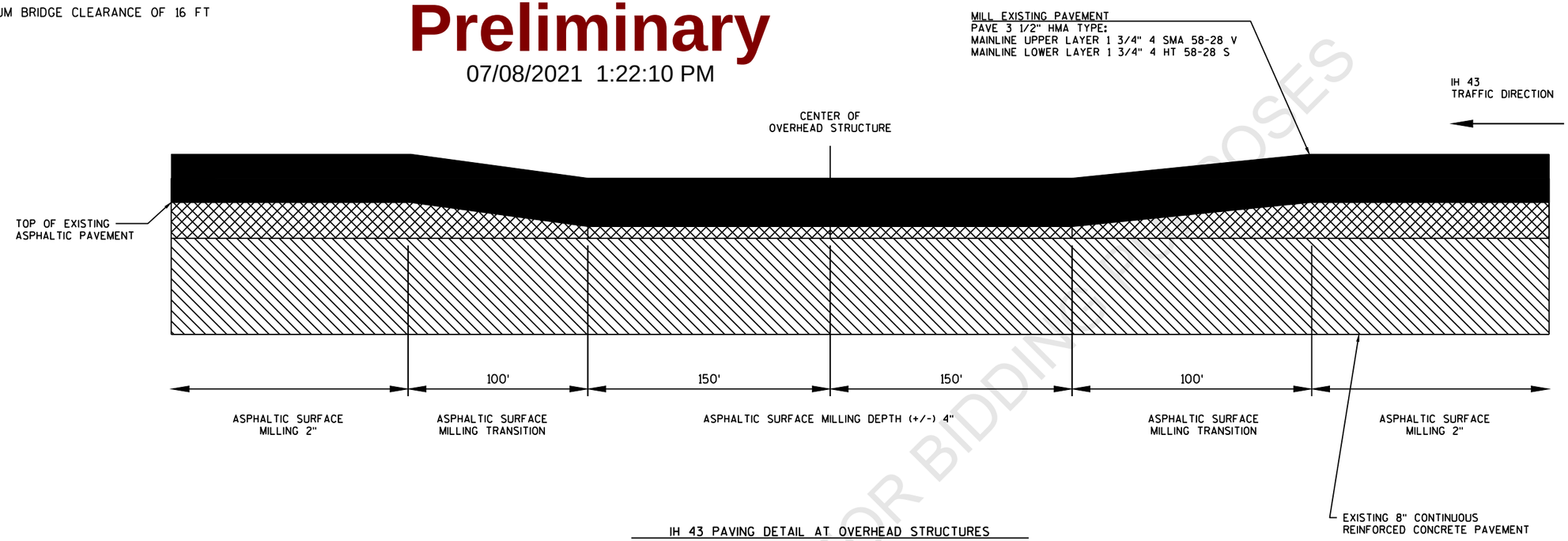
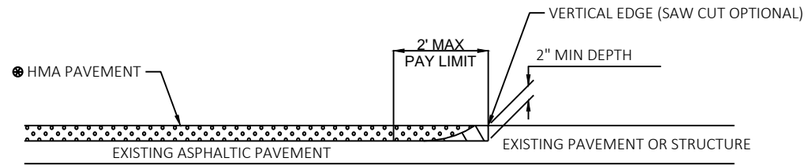


IH 43 PAVING DETAIL AT OVERHEAD STRUCTURES

EXISTING VERTICAL BRIDGE CLEARANCE DATA					
Roadway	Bridge	Overpass	Clearance	Approximate Asphalt Depths	
				NORTHBOUND	SOUTHBOUND
IH 43 NB	B-36-0079	ROCKWOOD RD	15.98'	4"-6"	-
IH 43 SB	B-36-0079	ROCKWOOD RD	17.22'	-	4"-6"
IH 43 NB	B-36-0080	REIFS MILLS RD	16.25'	4"-6"	-
IH 43 SB	B-36-0080	REIFS MILLS RD	16.35'	-	4"-6"
IH 43 NB	B-36-0081	CTH V	16.3'	4"-6"	-
IH 43 SB	B-36-0081	CTH V	18.8'	-	4"-6"
IH 43 NB	B-36-0084	POLIFKA RD	16.36'	4"-6"	-
IH 43 SB	B-36-0084	POLIFKA RD	19.55'	-	4"-6"
IH 43 NB	B-36-0088	FISHERVILLE RD	18.71'	4"-6"	-
IH 43 SB	B-36-0088	FISHERVILLE RD	16.26'	-	4"-6"
IH 43 NB	B-36-0090	GREENSTREET RD	16.48'	4"-6"	-
IH 43 SB	B-36-0090	GREENSTREET RD	17.22'	-	4"-6"

PRELIMINARY NOT FOR BIDDING PURPOSES



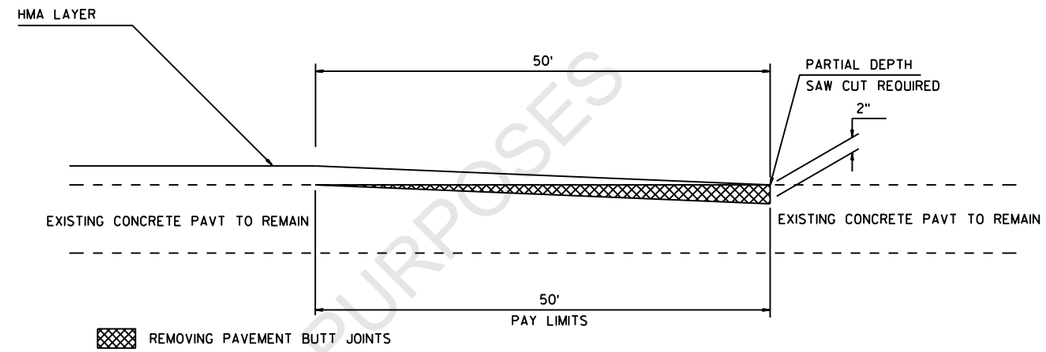
SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

REMOVING ASPHALTIC SURFACE, MILLING

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

STH 310 RAMPS



REMOVING PAVEMENT BUTT JOINT DETAIL

CTH V RAMPS
CTH K RAMPS

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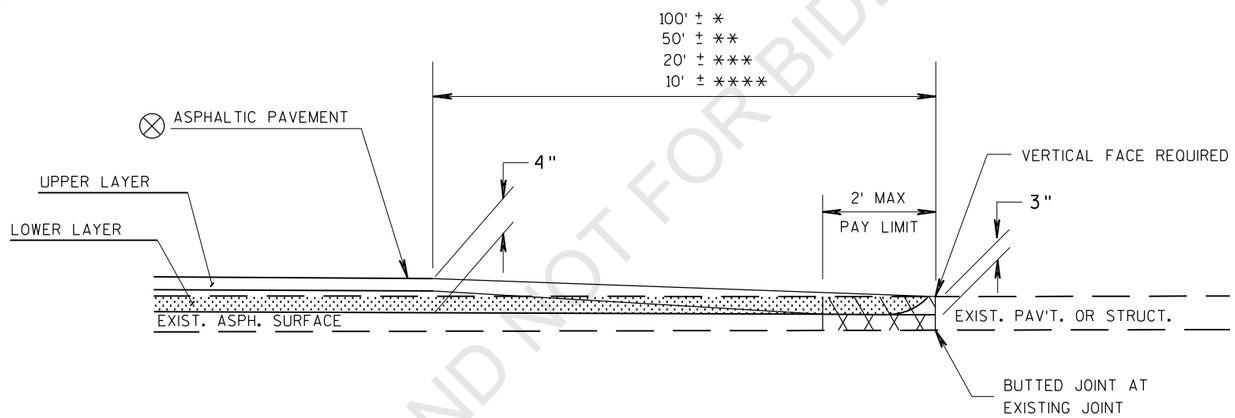

SEE TYPICAL CROSS SECTION FOR THICKNESS OF INDIVIDUAL LAYERS

REMOVING ASPHALTIC SURFACE, MILLING

REMOVING ASPHALTIC SURFACE, BUTT JOINTS (FULL DEPTH REMOVAL OPTIONAL)

ASPHALTIC WEDGING (FULL DEPTH REMOVAL OPTION)

BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

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

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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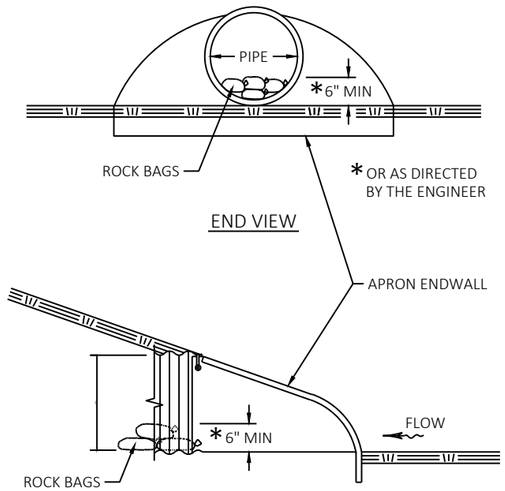
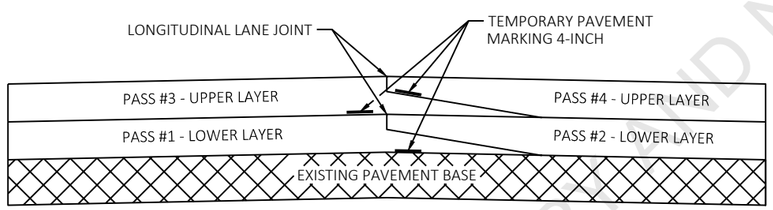
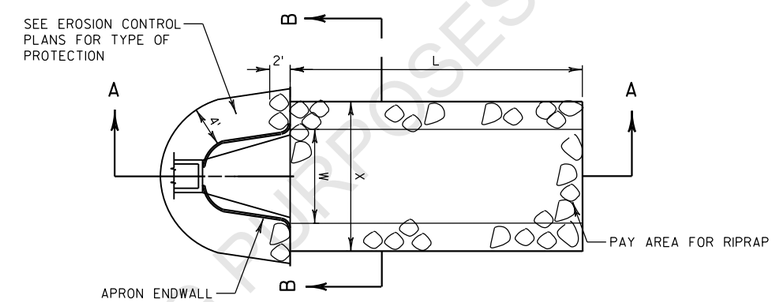


CULVERT PIPE CHECKS



PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS



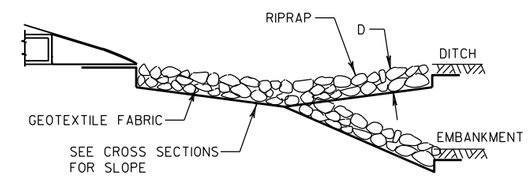
PLAN VIEW

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

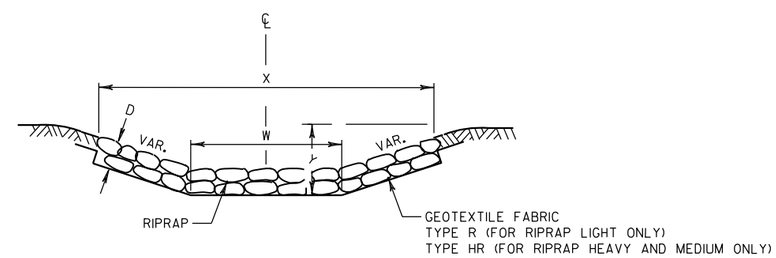
D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

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 AND NOT FOR BIDDING PURPOSES

Preliminary

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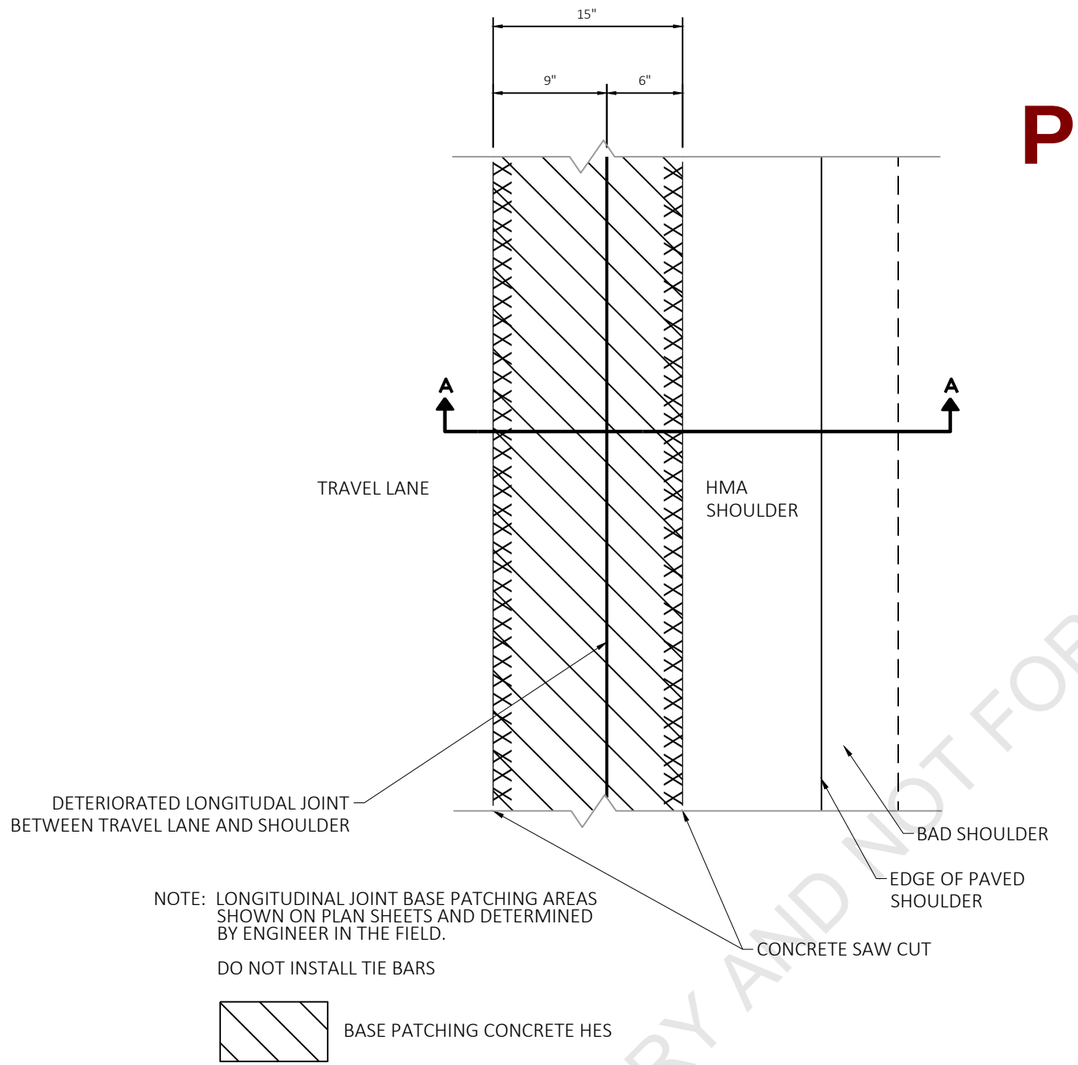
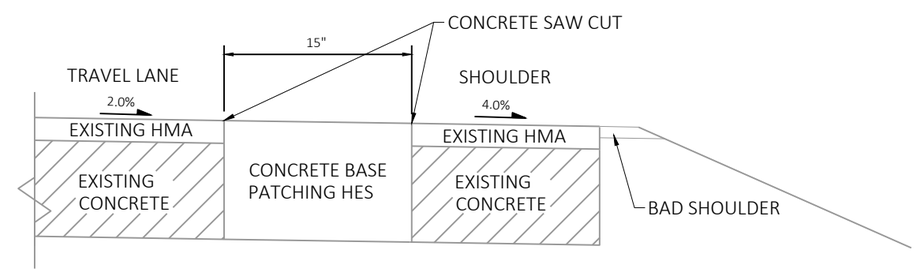


PLAN VIEW



SECTION VIEW A-A

BASE PATCHING SHOULDER LONGITUDINAL JOINT

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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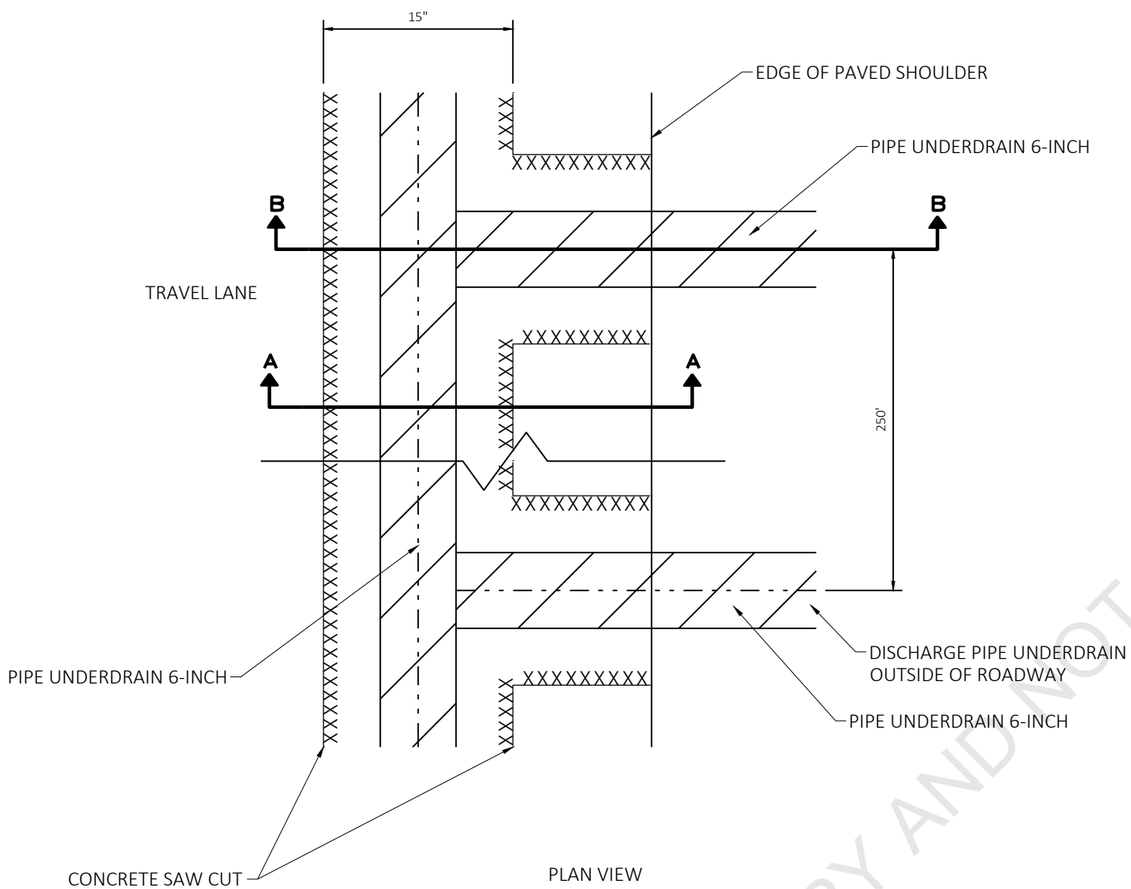
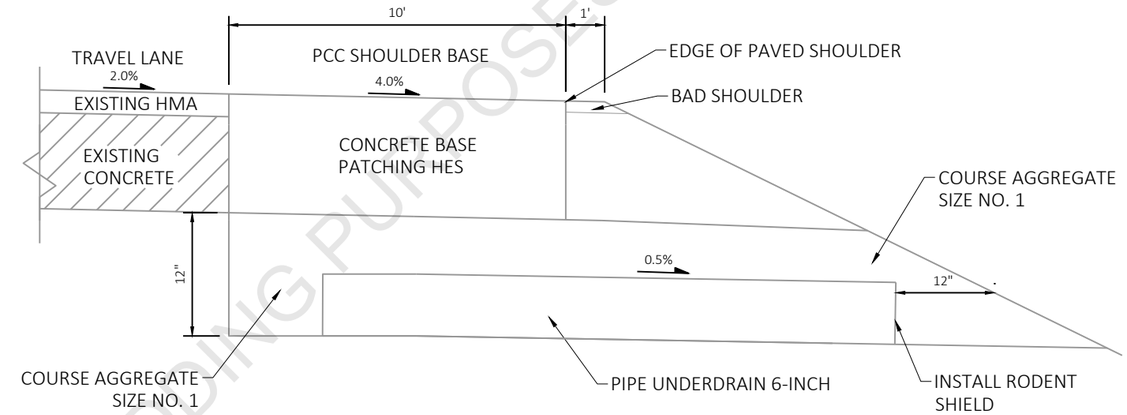
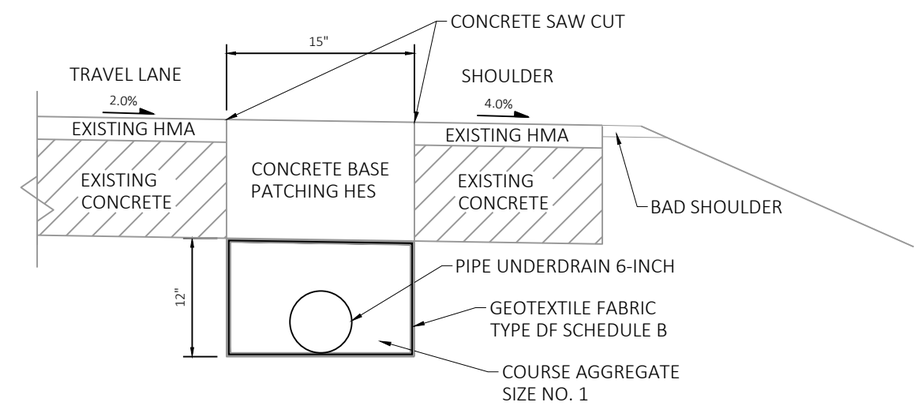


PLAN VIEW



SECTION VIEW B-B



SECTION VIEW A-A

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

PIPE UNDERDRAIN FOR LONGITUDINAL JOINT BASE PATCH AREAS

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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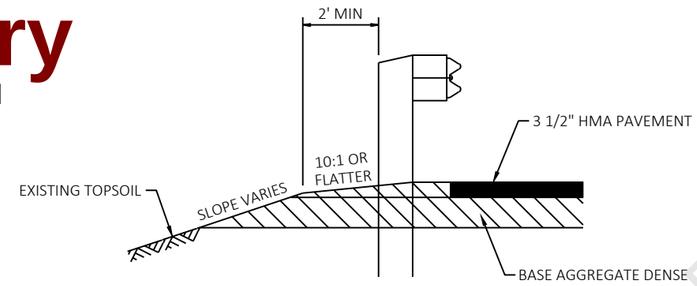
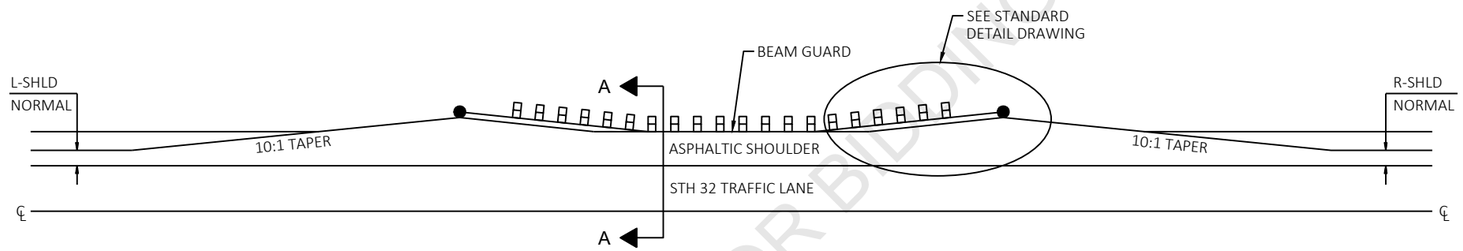


SECTION A-A



DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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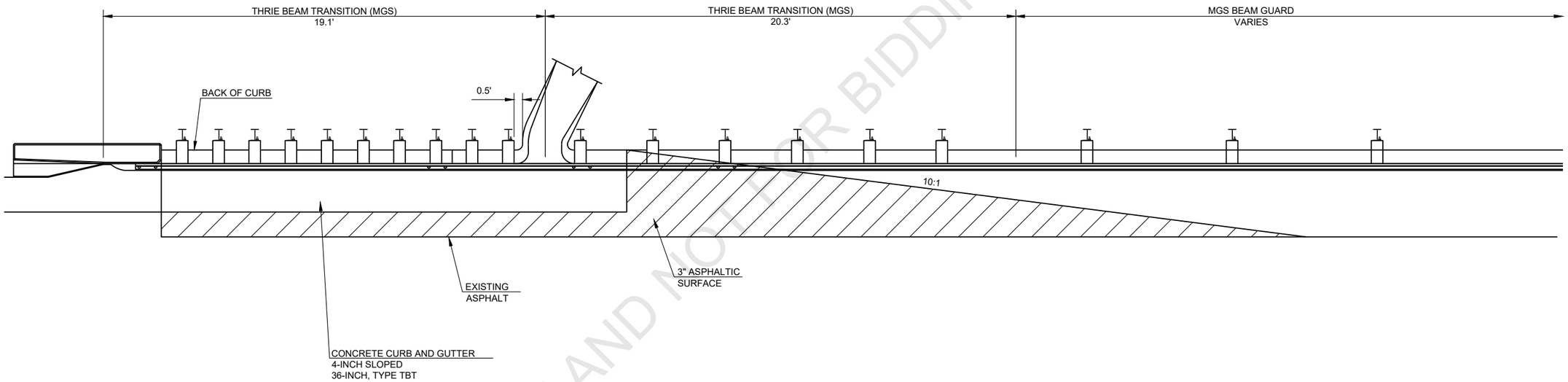
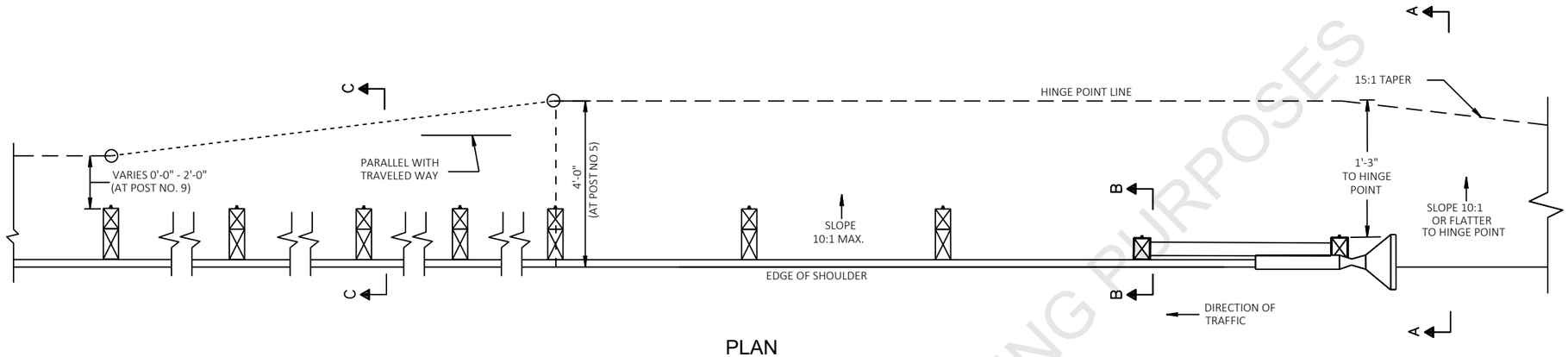


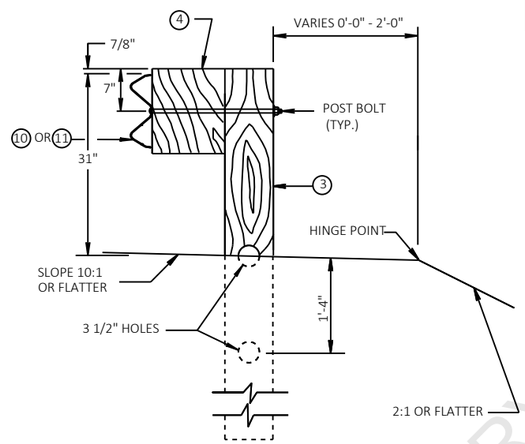
CONCRETE SURFACE DRAIN DETAIL AT OVERPASSES

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

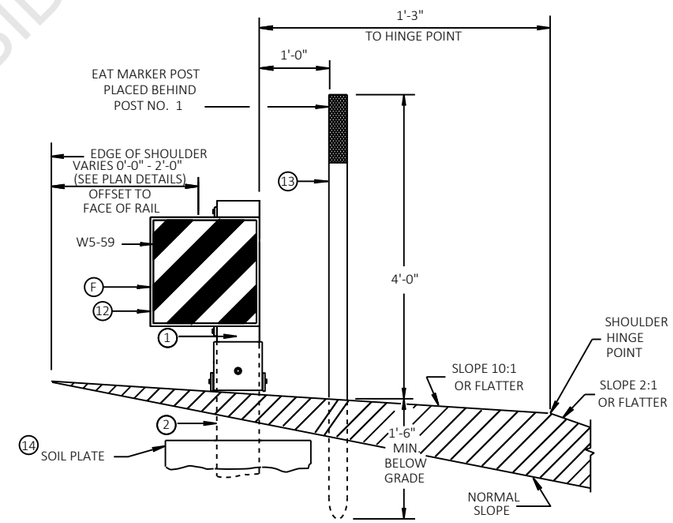
PRELIMINARY AND NOT FOR BIDDING PURPOSES



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

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PRELIMINARY AND NOT FOR BIDDING PURPOSES

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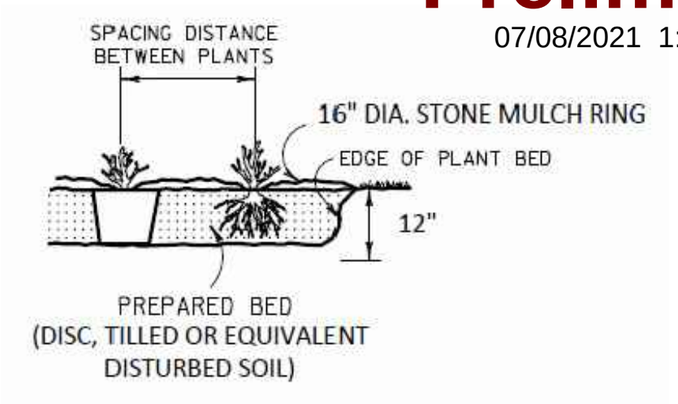
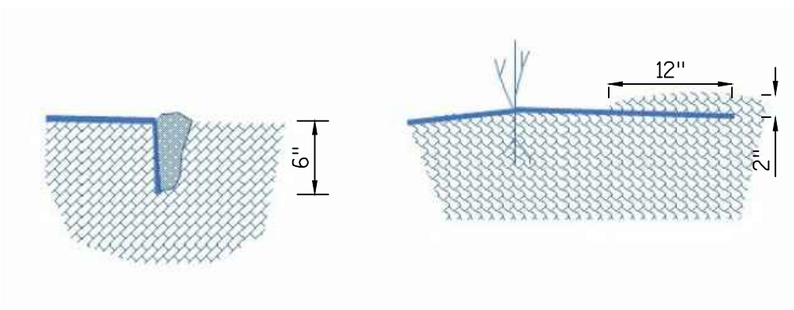
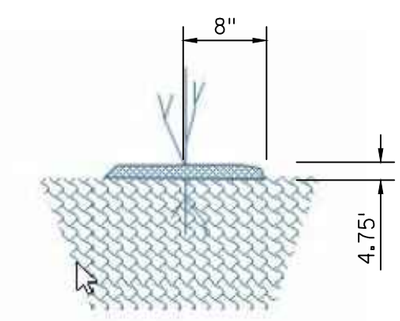


PLANTING BED DETAIL



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

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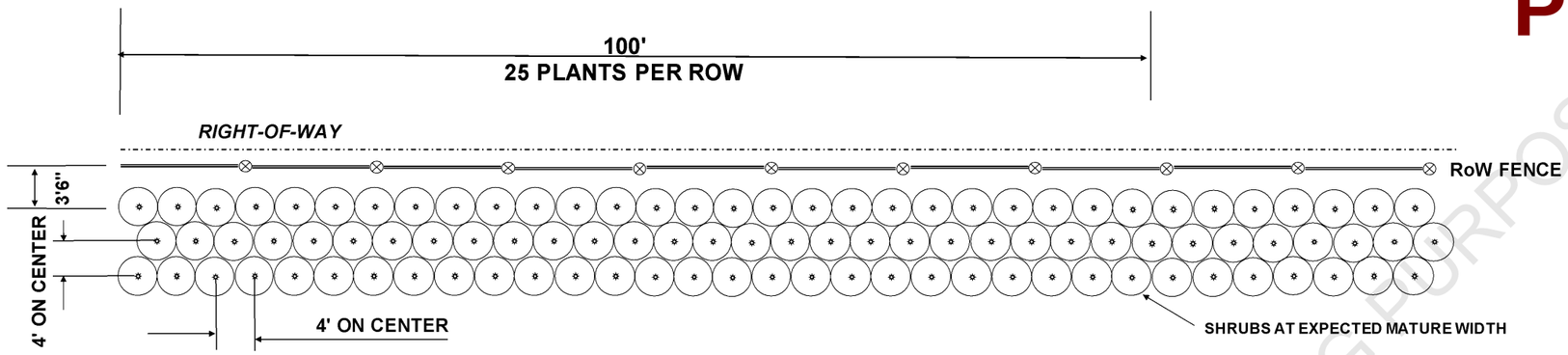
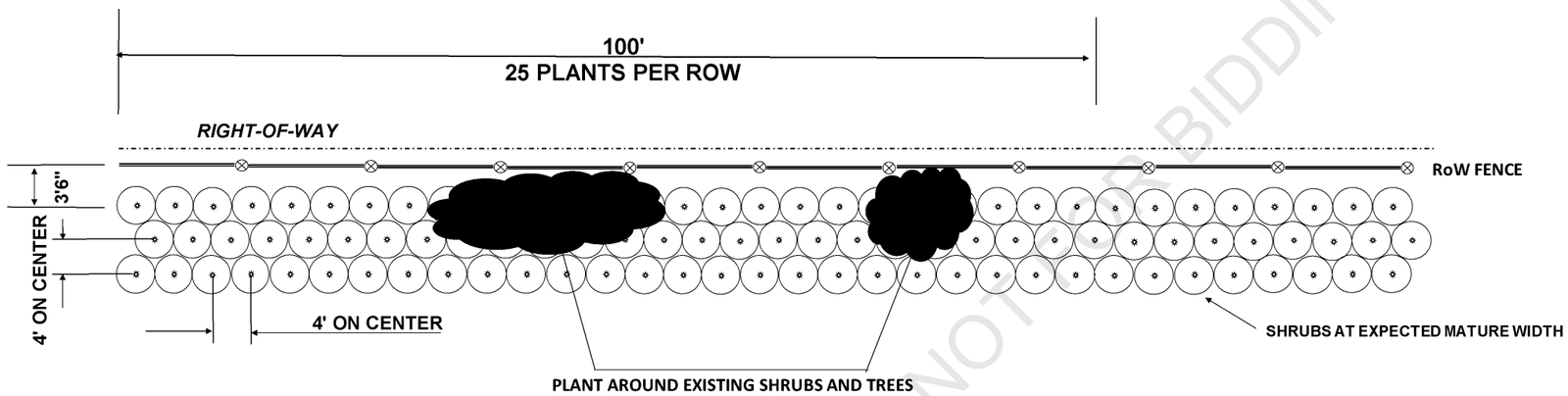
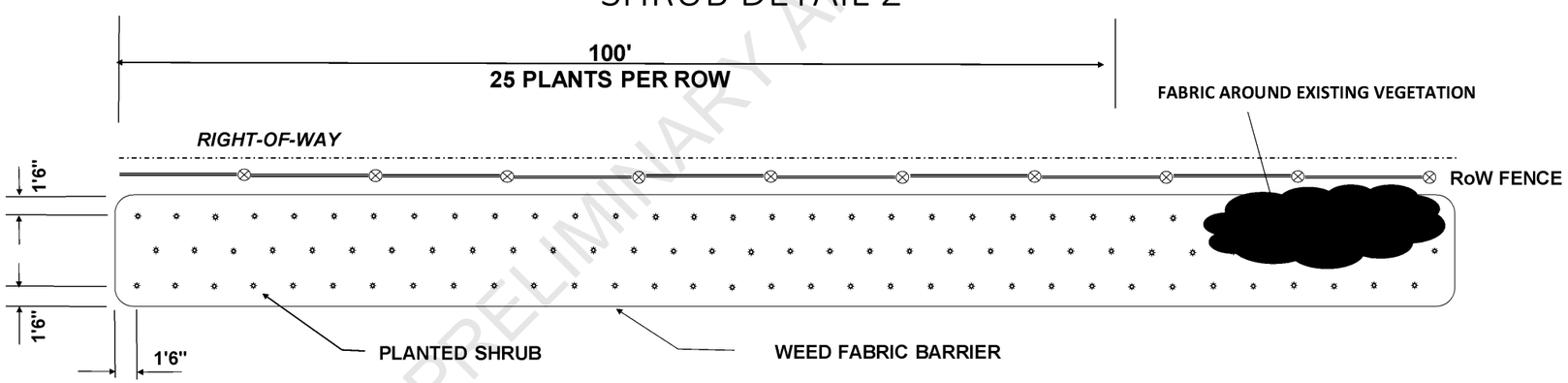


SHRUB DETAIL 1



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

2

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.

2

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

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LEGEND

xxxxxxxxx SAW CUT

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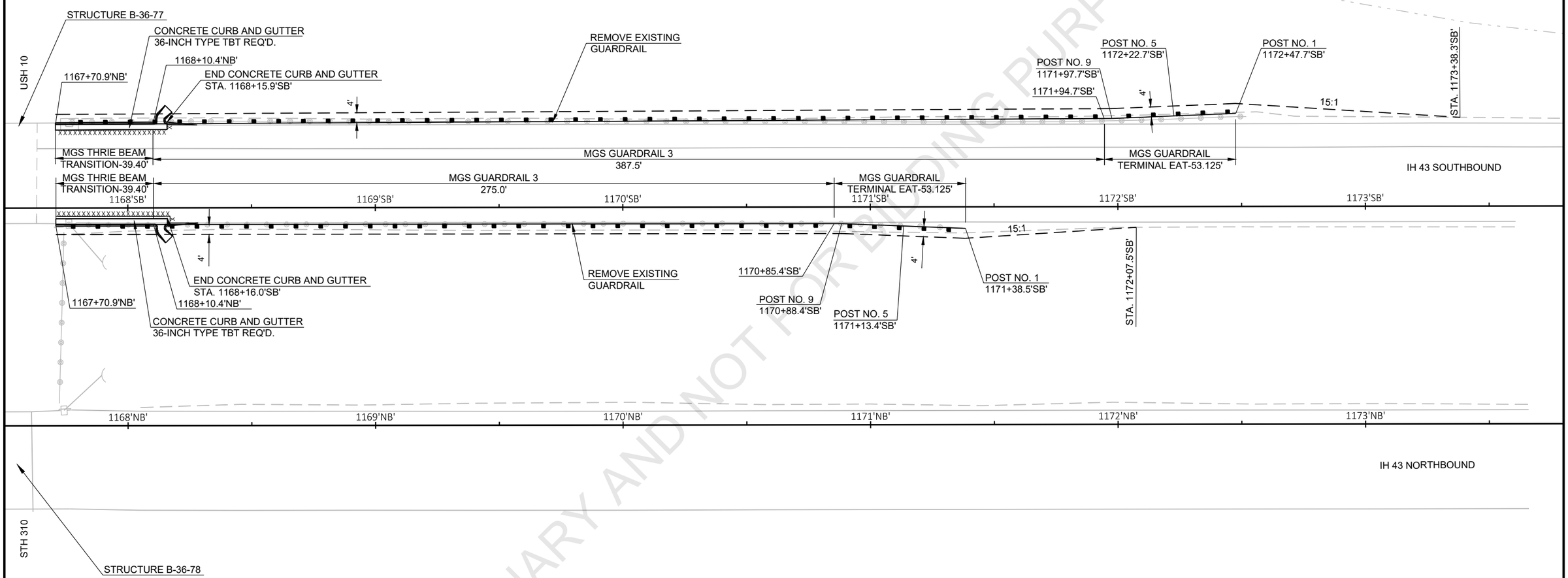

PRELIMINARY AND NOT FOR BIDDING PURPOSES

GUARDRAIL DETAIL

IH 43 SOUTHBOUND

STA. 1167+70.9'SB' - STA. 1173+38.3'SB'

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

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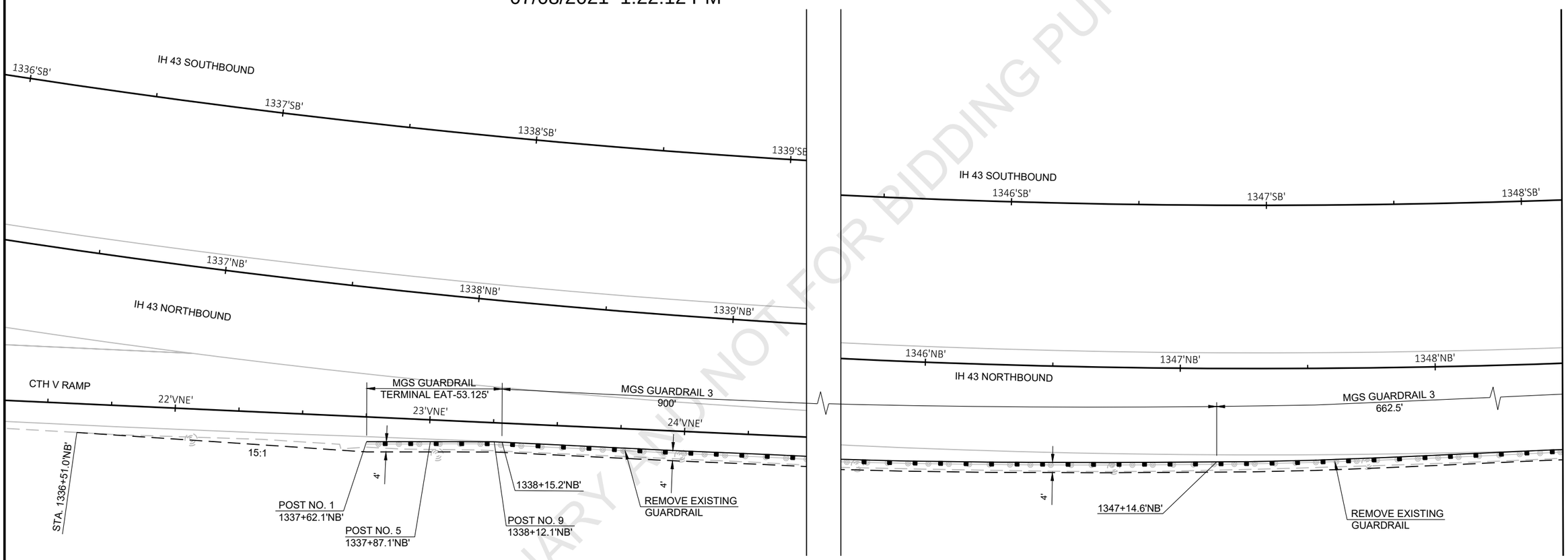


PRELIMINARY AND NOT FOR BIDDING PURPOSES

GUARDRAIL DETAIL

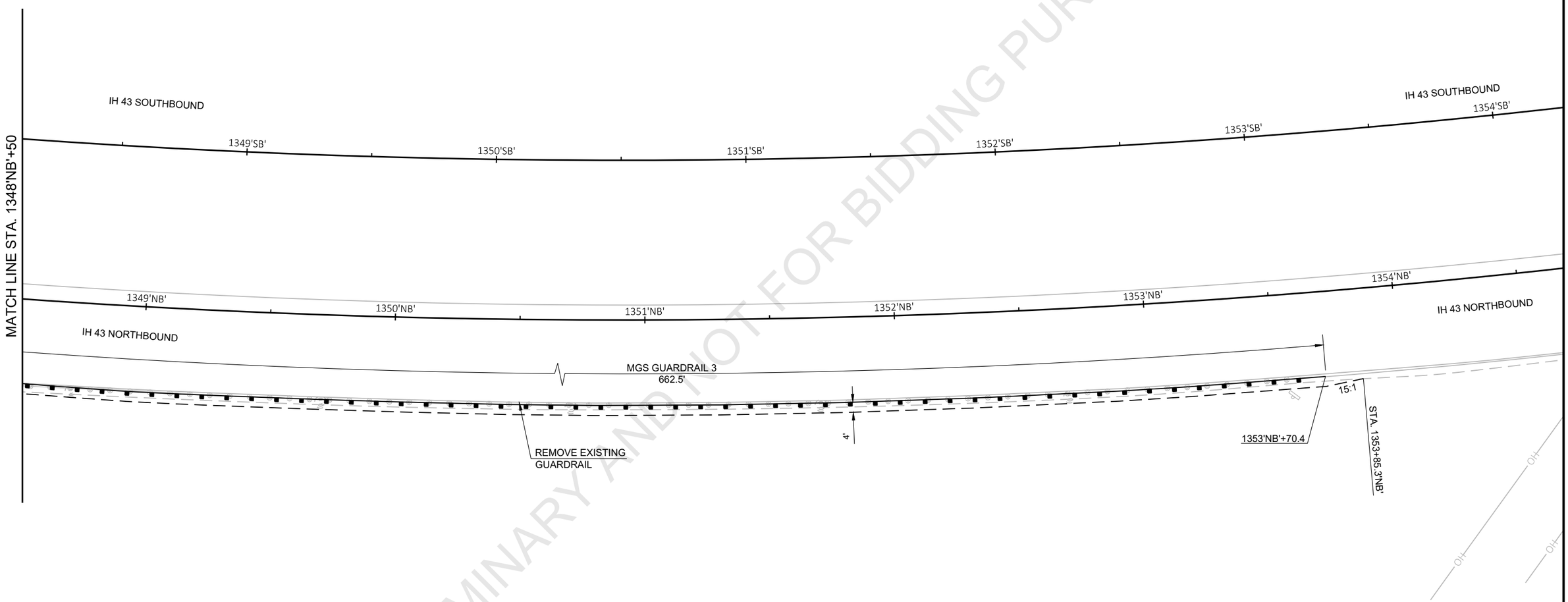
IH 43 EXIT FROM CTH V

STA. 1336+50.0'NB' - STA. 1353+85.3'NB'

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

07/08/2021 1:22:12 PM



GUARDRAIL DETAIL

IH 43 EXIT FROM CTH V

STA. 1336+50.0'NB' - STA. 1353+85.3'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

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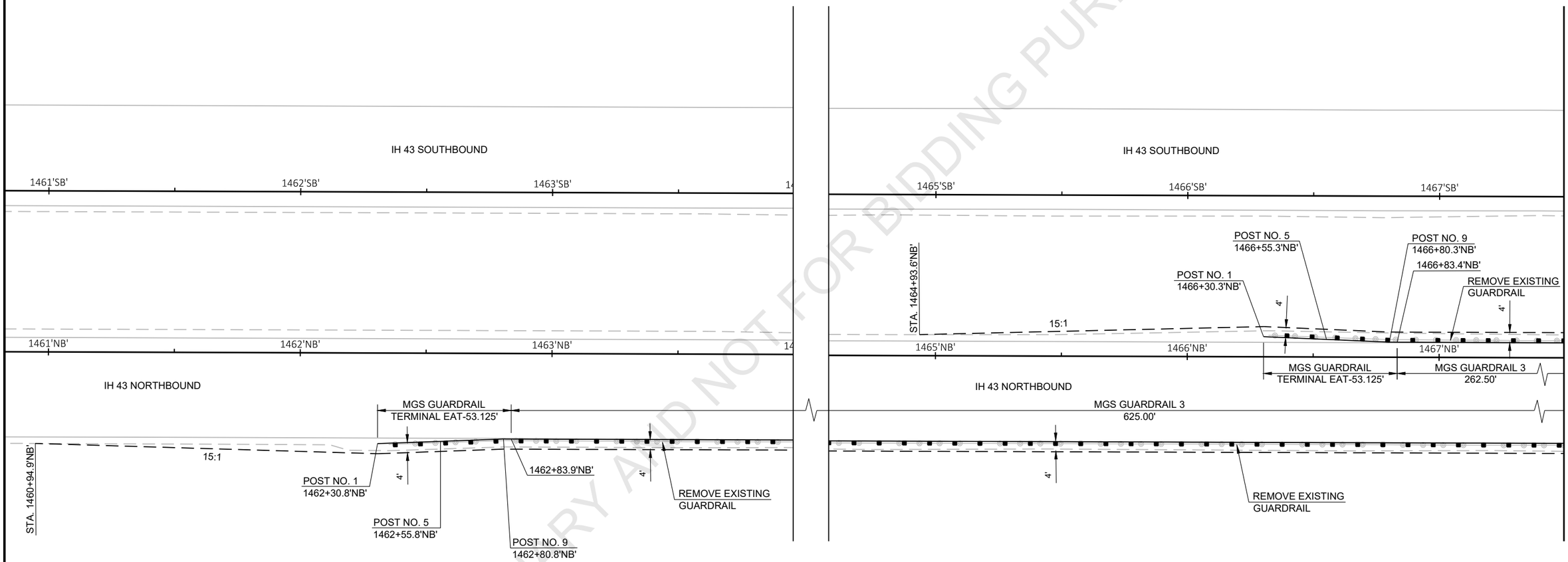

GUARDRAIL DETAIL

IH 43 NORTHBOUND

STA. 1460+94.9'NB' - STA. 1469+85.3'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

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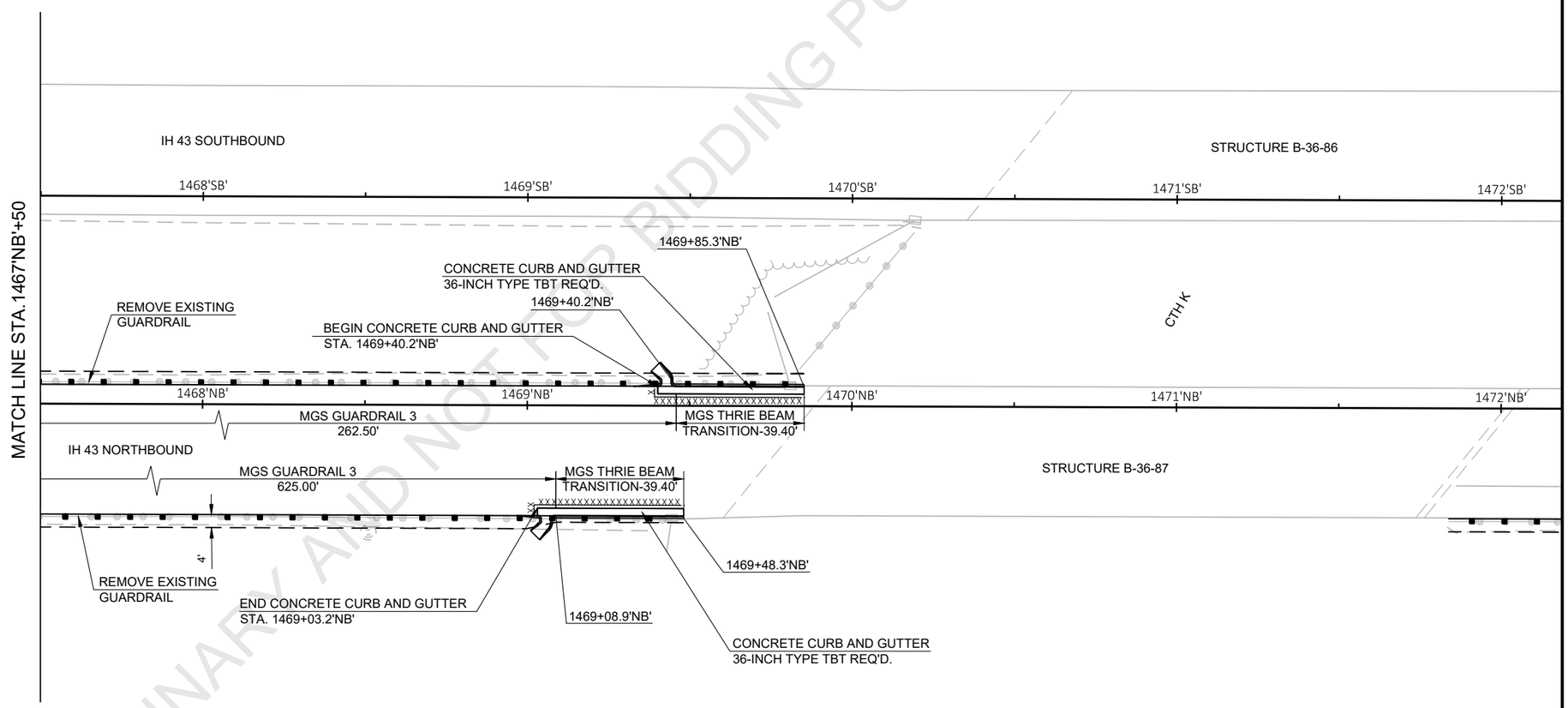

GUARDRAIL DETAIL

IH 43 NORTHBOUND

STA. 1460+94.9'NB' - STA. 1469+85.3'NB'

LEGEND

xxxxxxxxx SAW CUT

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

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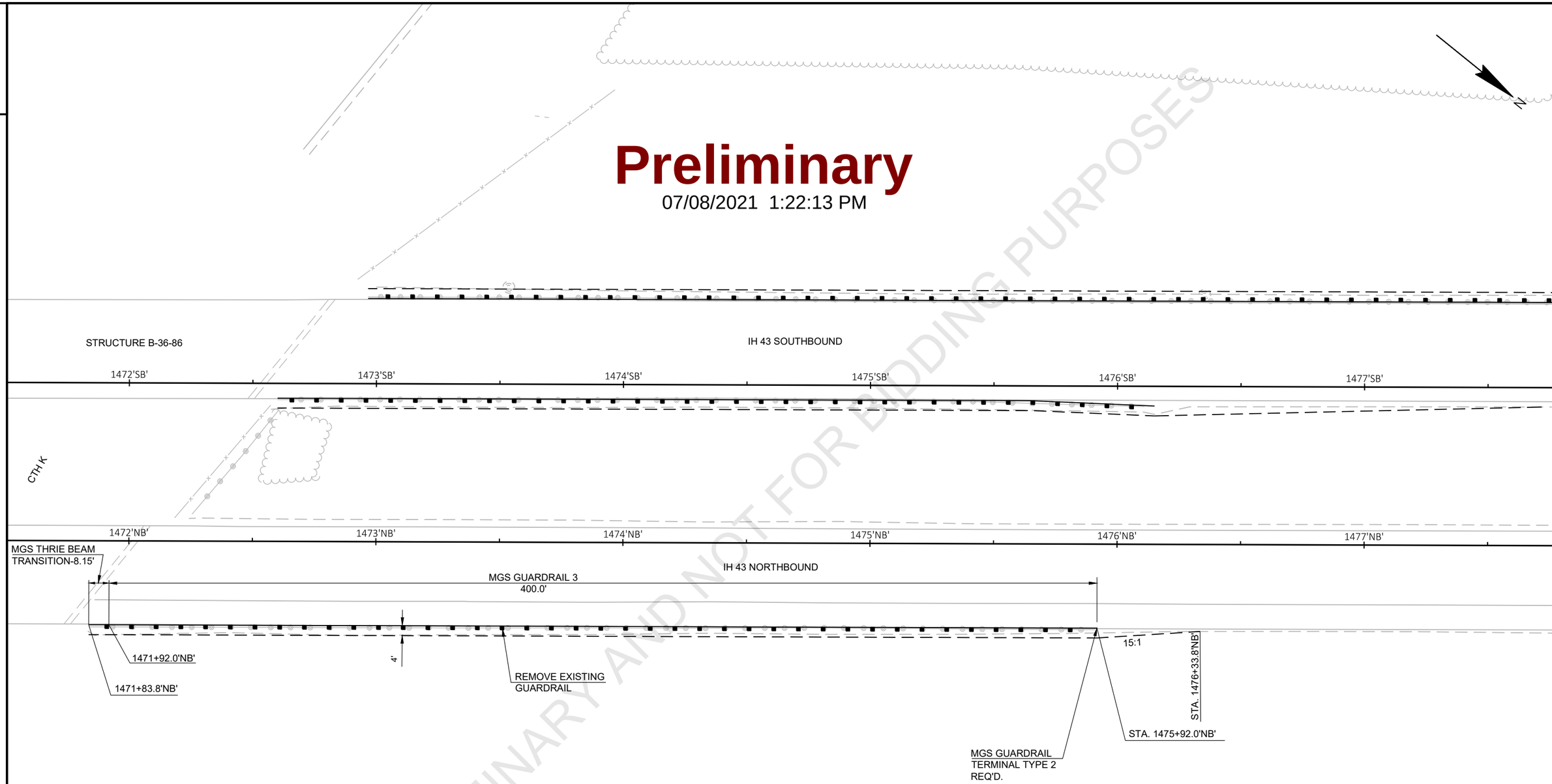


GUARDRAIL DETAIL

IH 43 NORTHBOUND

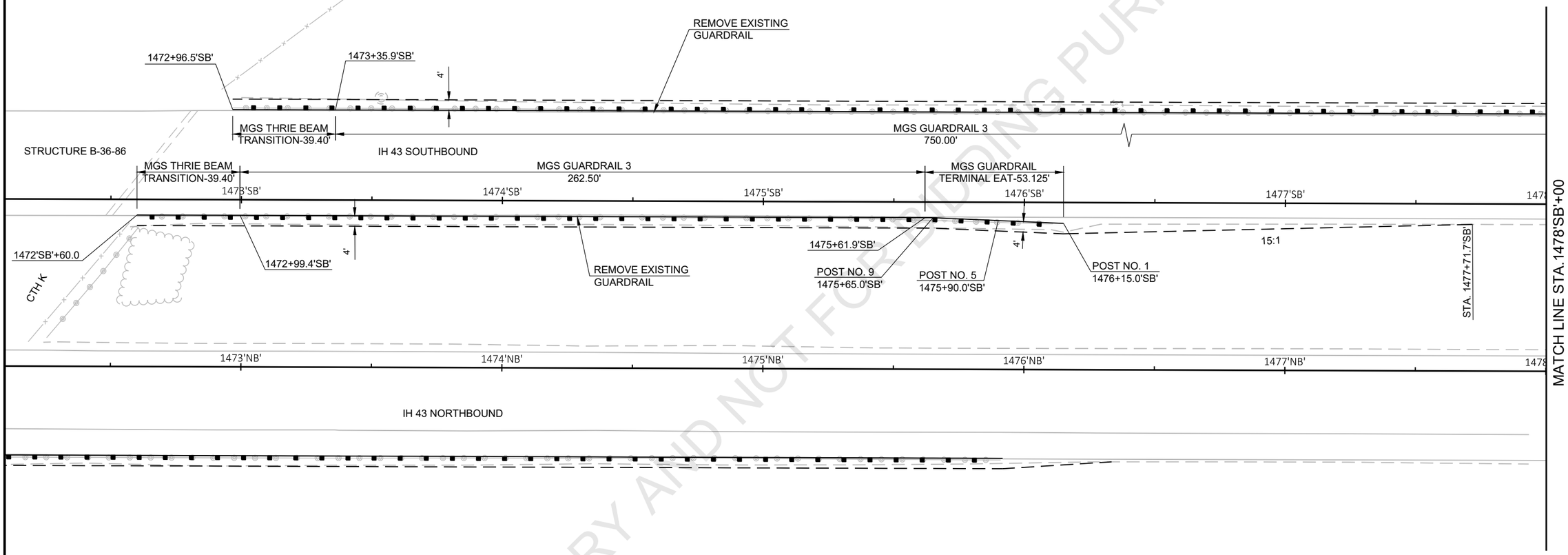
STA. 1471+83.8'NB' - STA. 1476+33.8'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

07/08/2021 1:22:13 PM



GUARDRAIL DETAIL

IH 43 SOUTHBOUND

STA. 1472+60.0'SB' - STA. 1481+39.0'SB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

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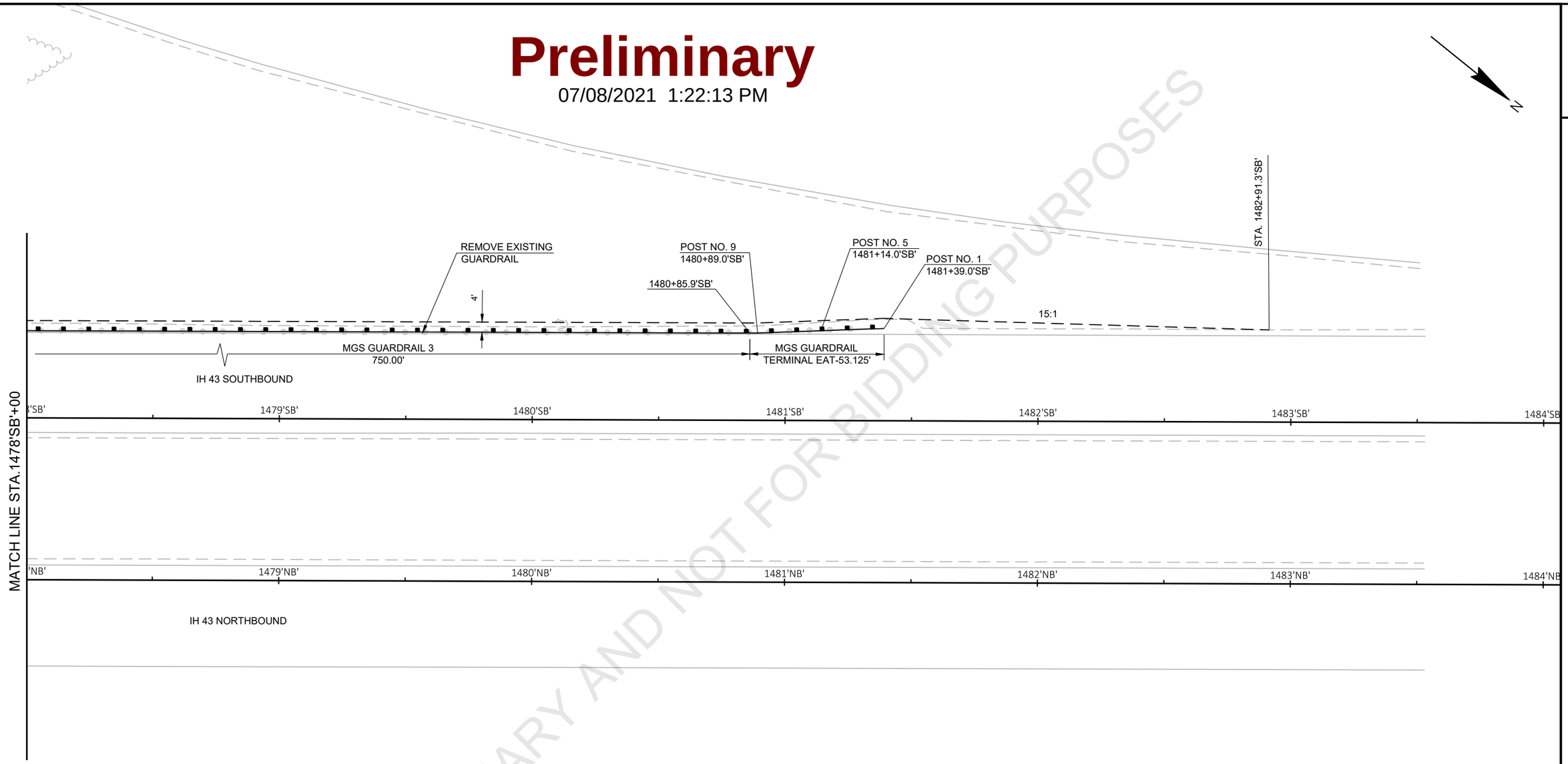


GUARDRAIL DETAIL

IH 43 SOUTHBOUND

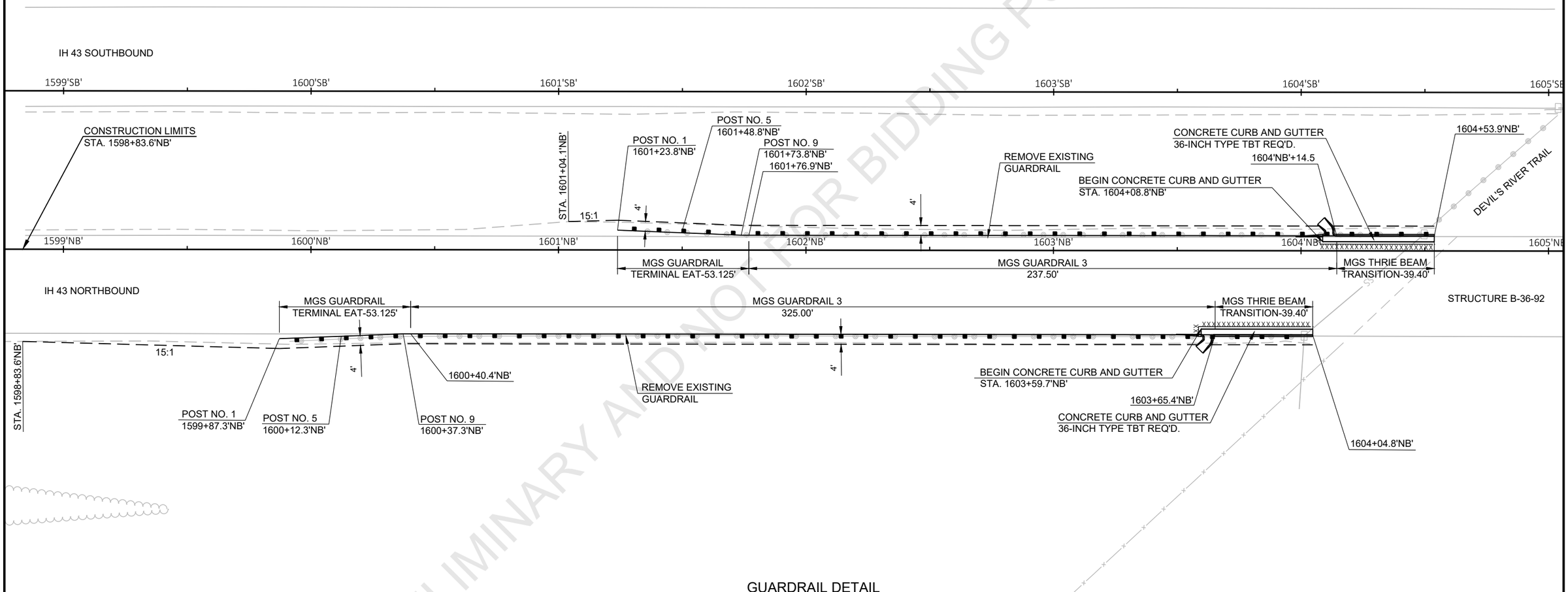
STA. 1472+60.0'SB' - STA. 1482+91.3'SB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

07/08/2021 1:22:13 PM



GUARDRAIL DETAIL

IH 43 NORTHBOUND

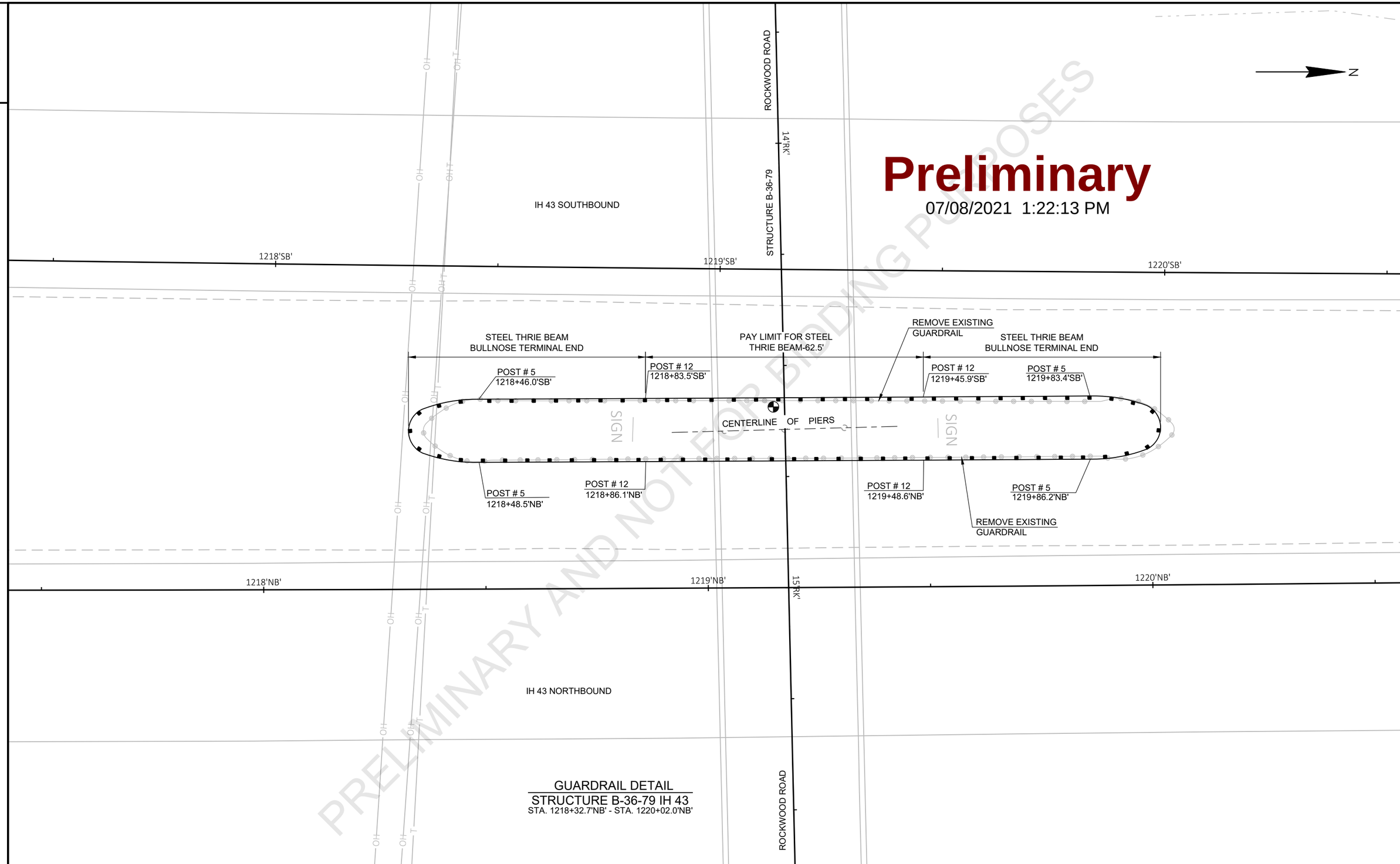
STA. 1598+83.6'NB' - STA. 1604+53.9'NB'

LEGEND

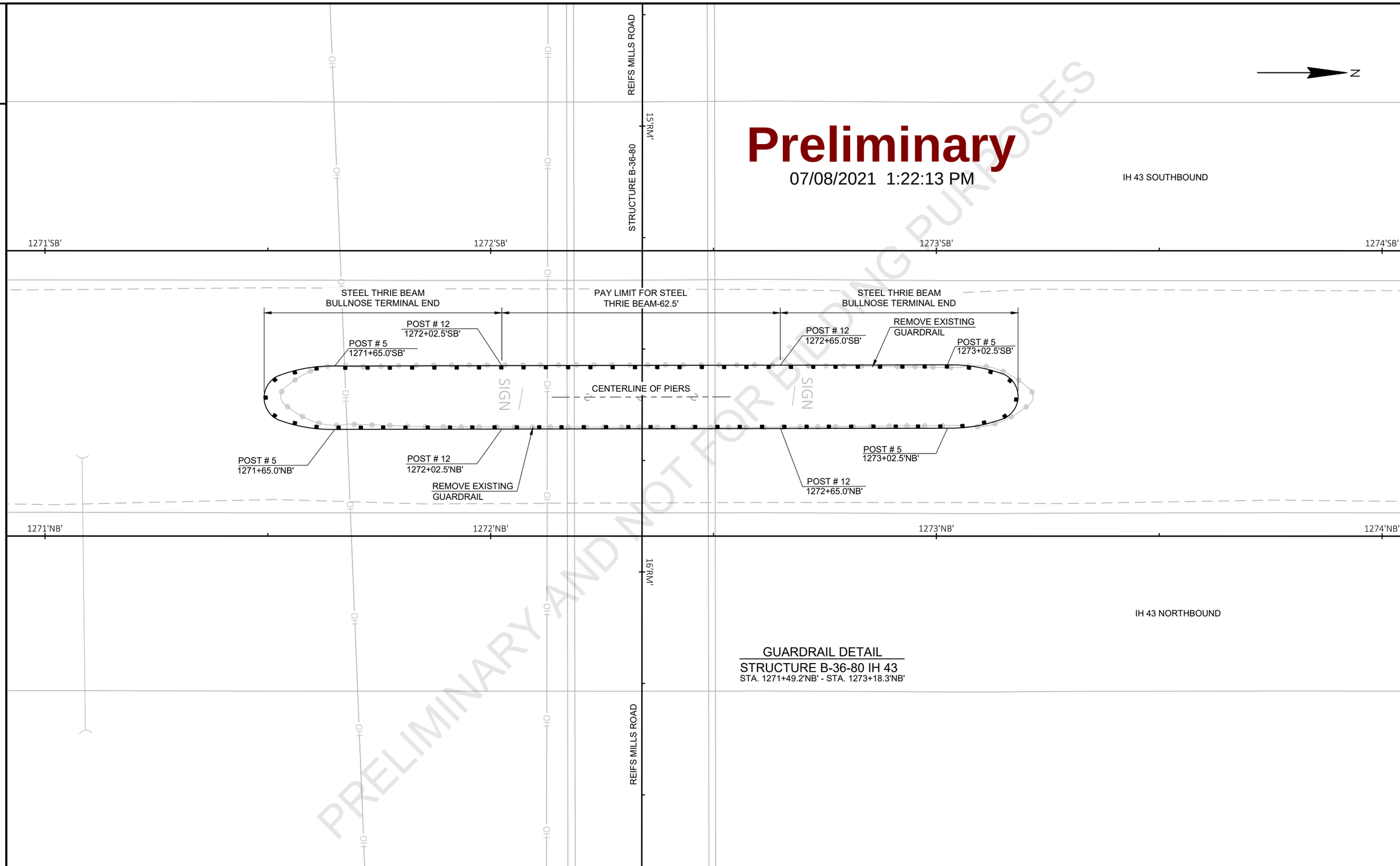
xxxxxxxxx SAW CUT

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E



GUARDRAIL DETAIL
STRUCTURE B-36-79 IH 43
STA. 1218+32.7'NB' - STA. 1220+02.0'NB'



Preliminary

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GUARDRAIL DETAIL

STRUCTURE B-36-80 IH 43

STA. 1271+49.2'NB' - STA. 1273+18.3'NB'

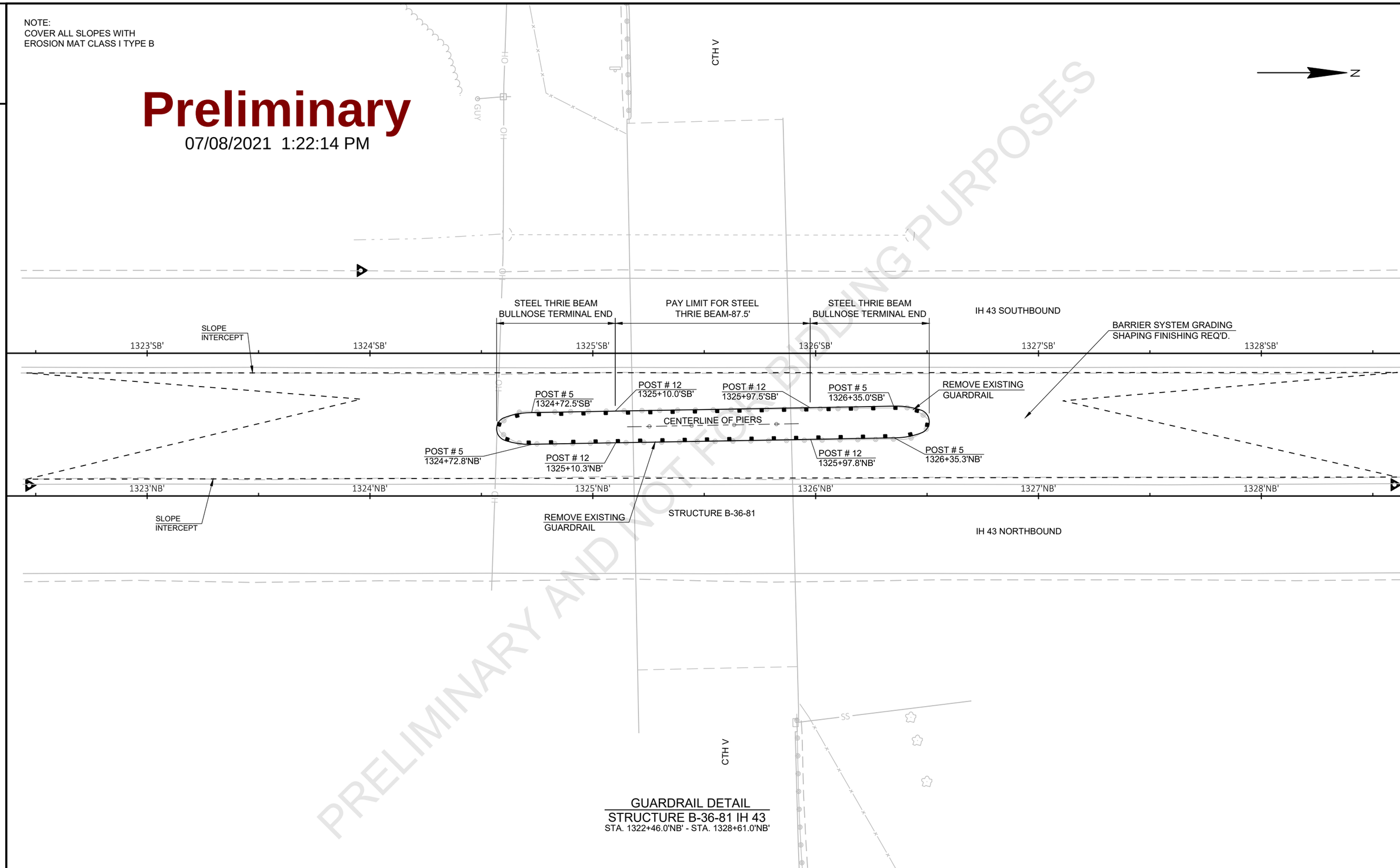
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

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

Preliminary

07/08/2021 1:22:14 PM



GUARDRAIL DETAIL
STRUCTURE B-36-81 IH 43
STA. 1322+46.0'NB' - STA. 1328+61.0'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

Preliminary

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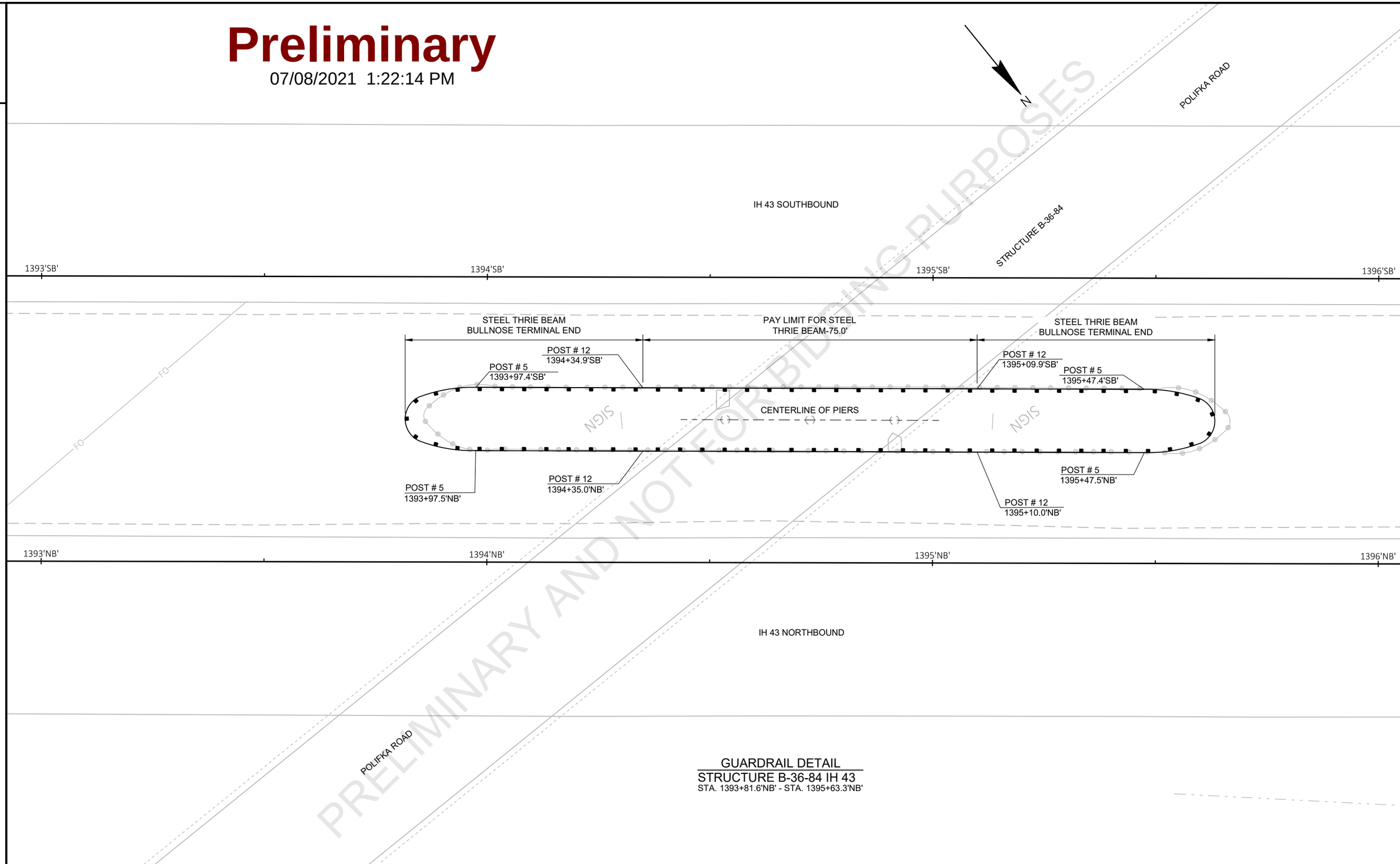

GUARDRAIL DETAIL

STRUCTURE B-36-84 IH 43

STA. 1393+81.6'NB' - STA. 1395+63.3'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

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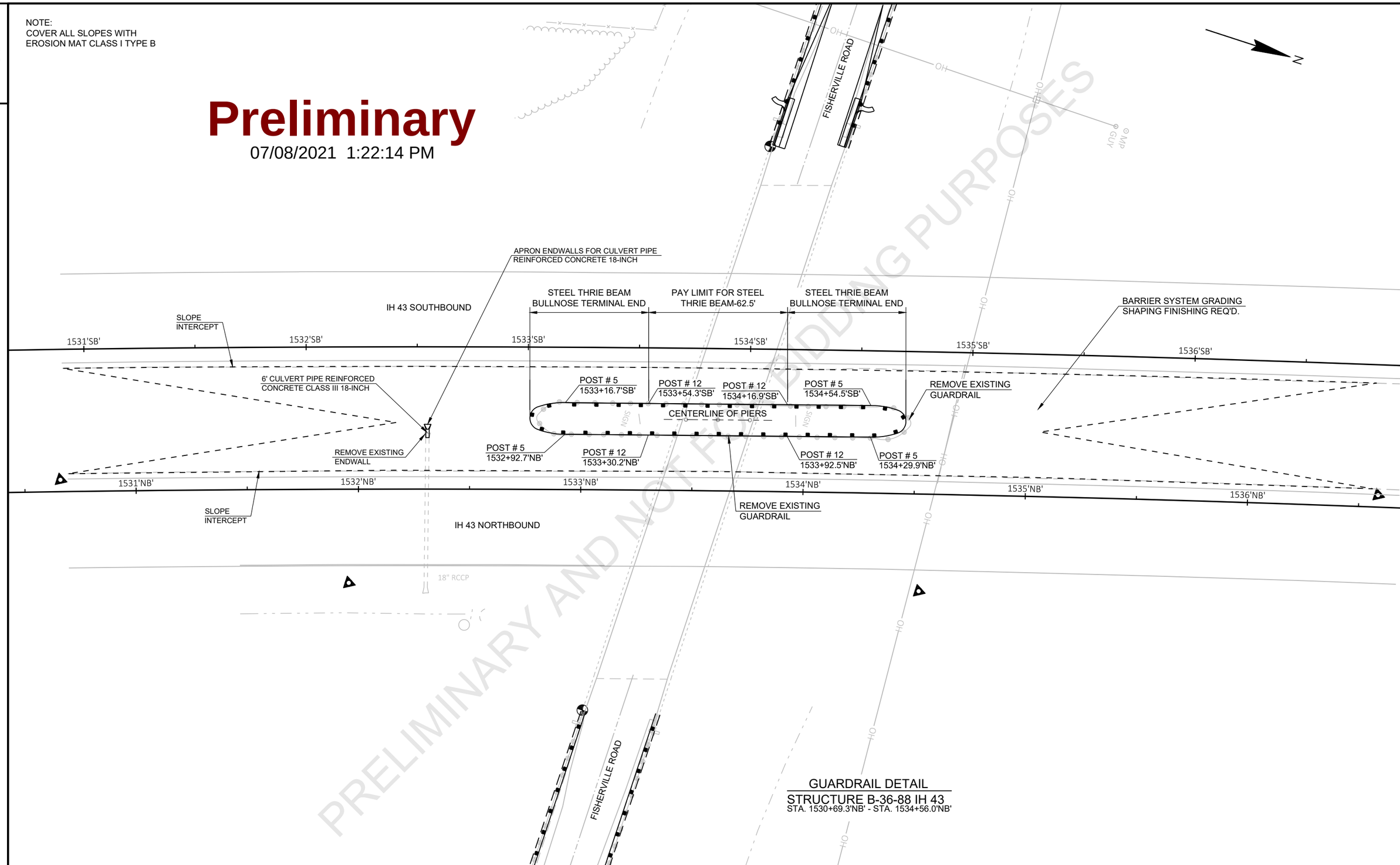
NOTE:
COVER ALL SLOPES WITH
EROSION MAT CLASS I TYPE B

Preliminary

07/08/2021 1:22:14 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

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Preliminary

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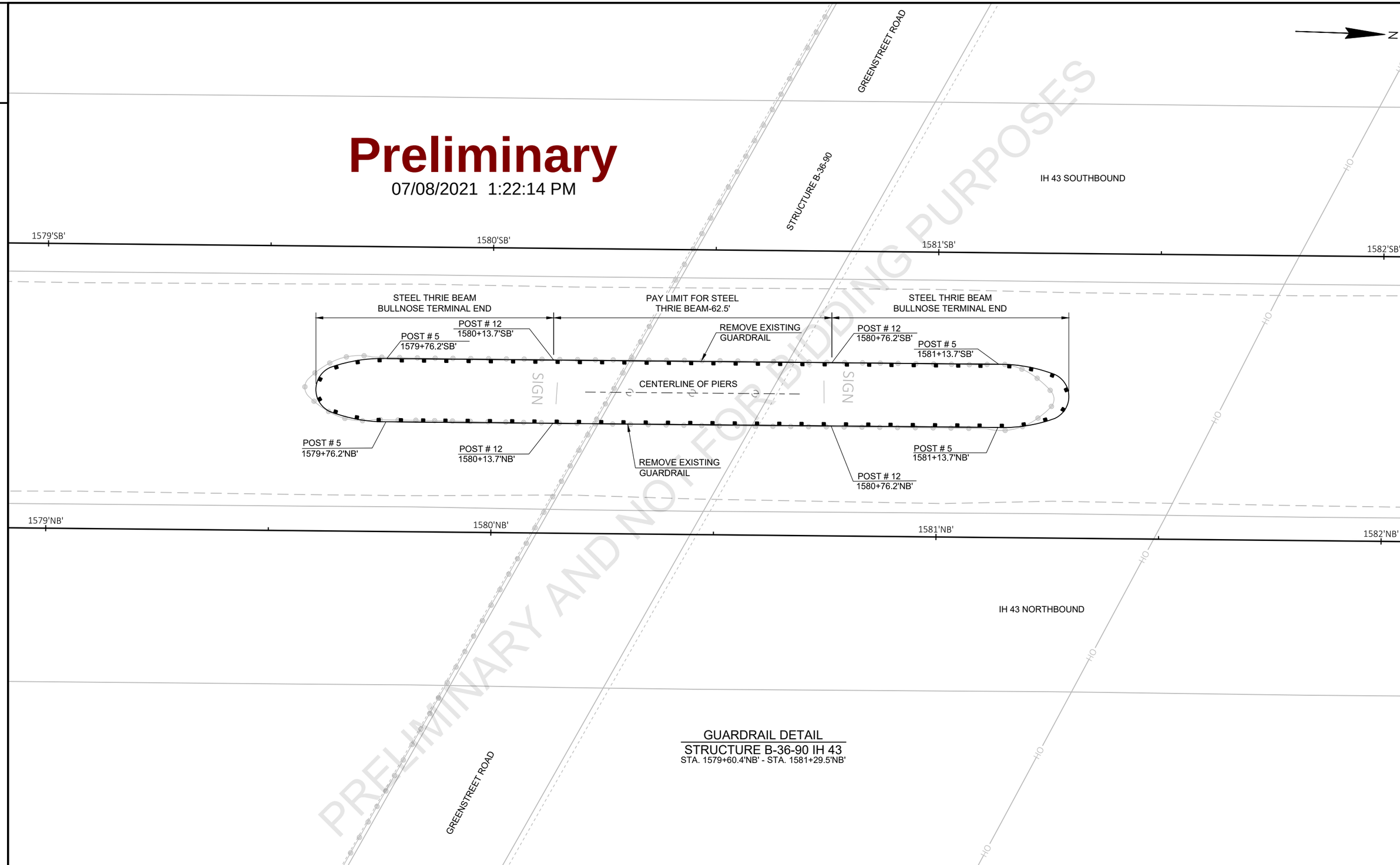

GUARDRAIL DETAIL

STRUCTURE B-36-90 IH 43

STA. 1579+60.4'NB' - STA. 1581+29.5'NB'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - IH 43	SHEET	E

2

Preliminary

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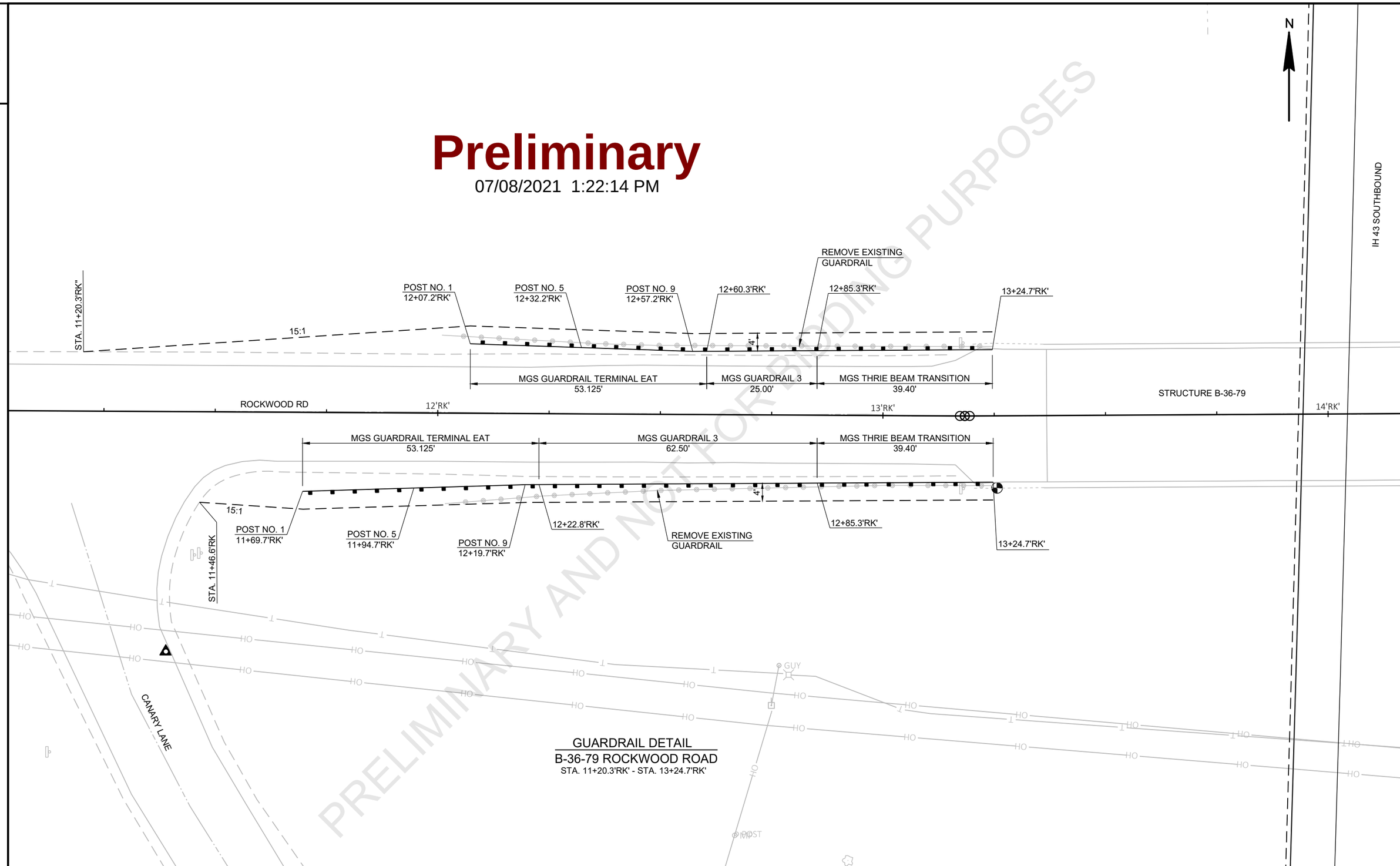

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ROCKWOOD ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\021216_PD.DWG
LAYOUT NAME - 021216_pd
PLOT DATE : 3/9/2021 9:46 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

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LEGEND

.xxxxxxxxx. SAW CUT

Preliminary

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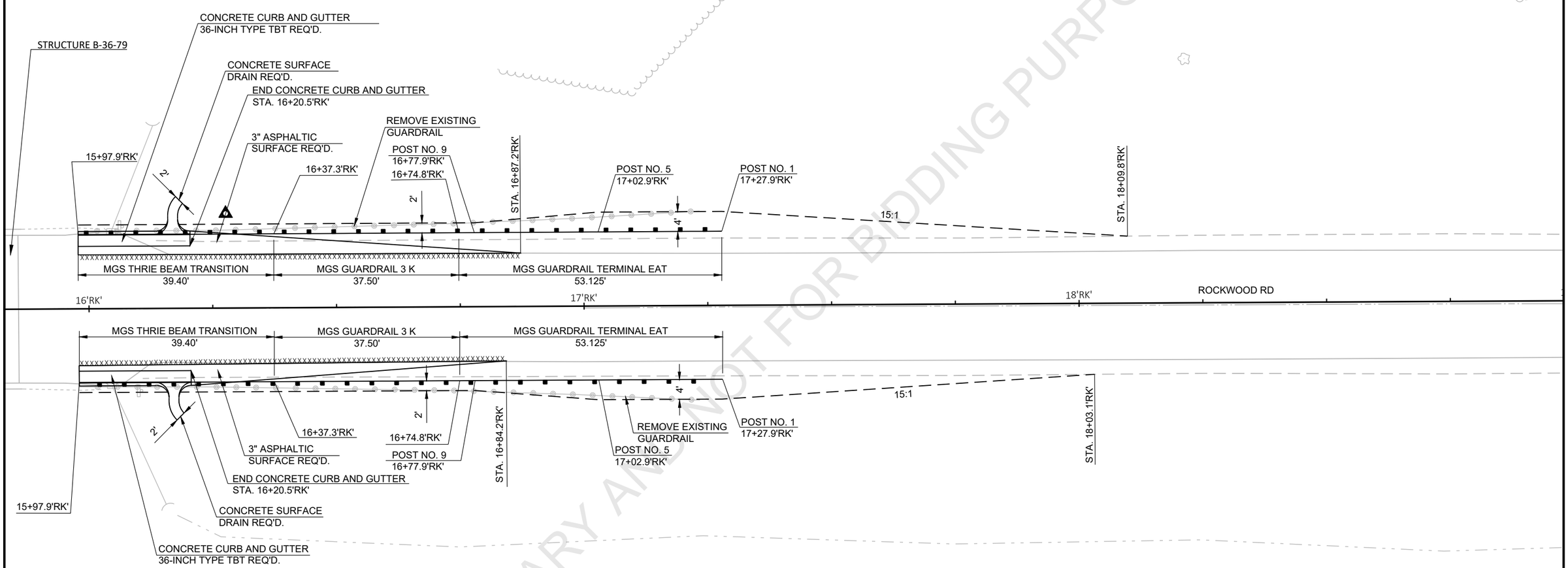


GUARDRAIL DETAIL

B-36-79 ROCKWOOD ROAD

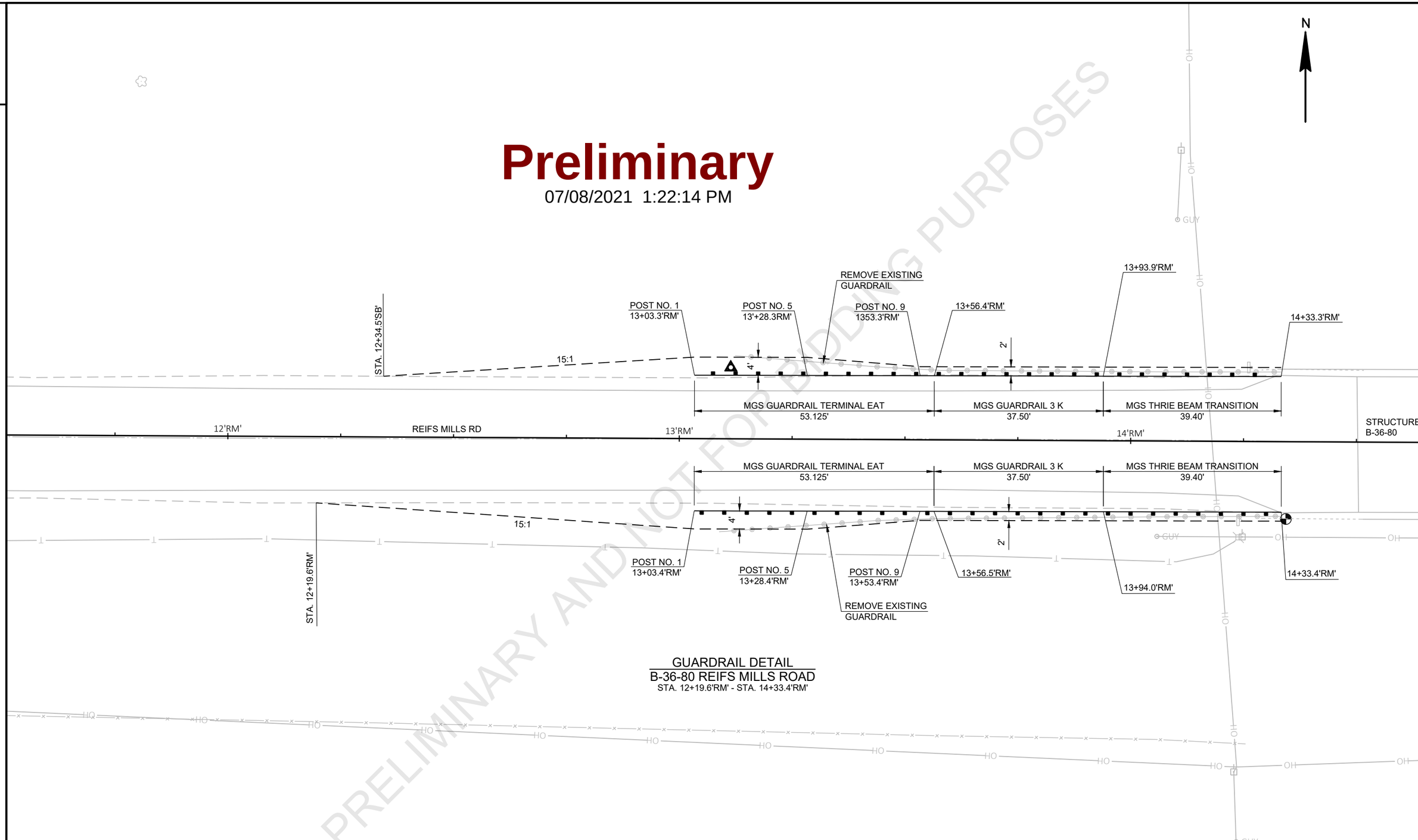
STA. 15+97.9'RK' - STA. 18+09.8'RK'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - ROCKWOOD ROAD	SHEET	E

Preliminary

07/08/2021 1:22:14 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - REIFS MILLS ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\021216_PD.DWG
LAYOUT NAME - 021218_pd
PLOT DATE : 3/9/2021 9:46 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

2

LEGEND

xxxxxxxxx SAW CUT

Preliminary

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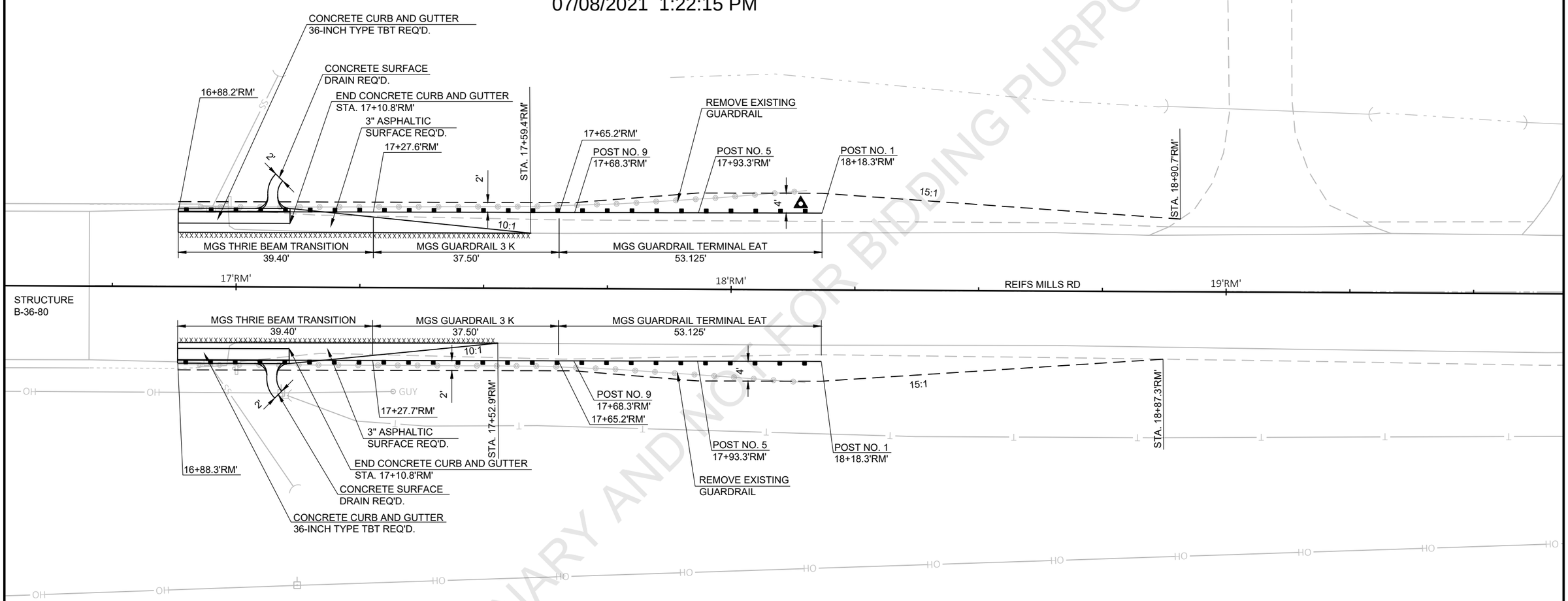

GUARDRAIL DETAIL

B-36-80 REIFS MILLS ROAD

STA. 16+88.2'RM' - STA. 18+90.7'RM'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - REIFS MILLS ROAD	SHEET	E

Preliminary

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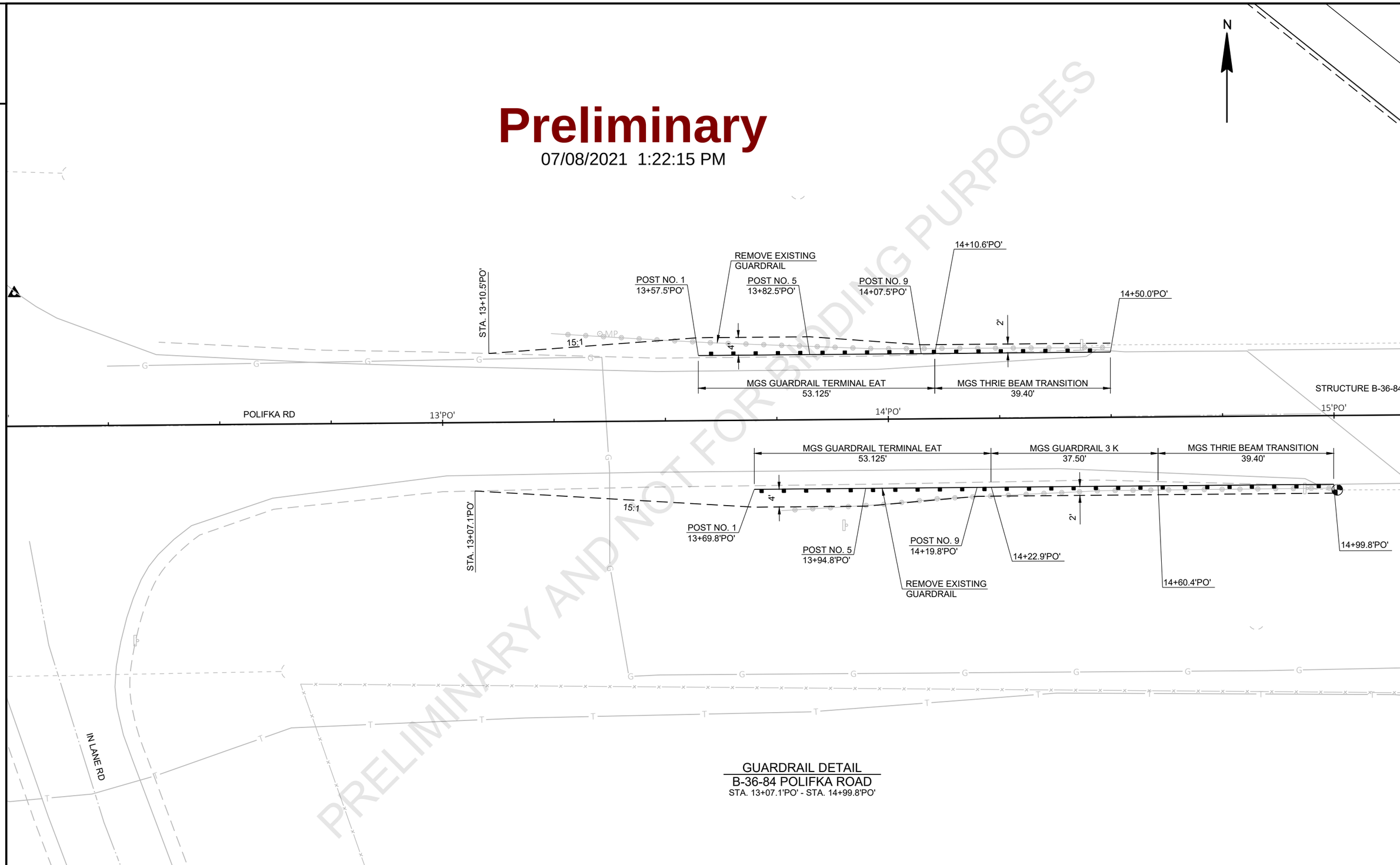

GUARDRAIL DETAIL
B-36-84 POLIFKA ROAD
STA. 13+07.1'PO' - STA. 14+99.8'PO'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - POLIFKA ROAD	SHEET	E

LEGEND

xxxxxxxxx SAW CUT

Preliminary

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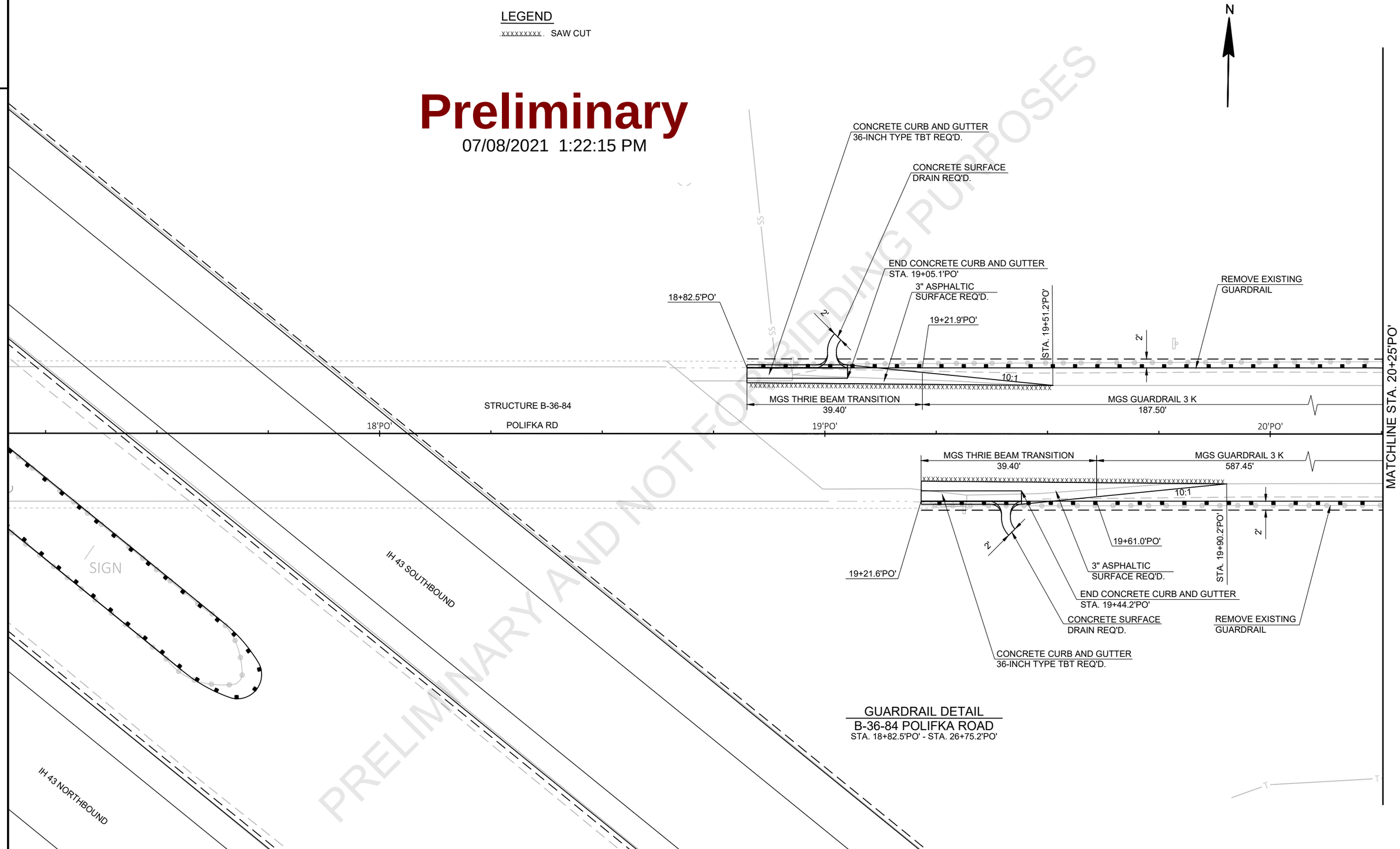
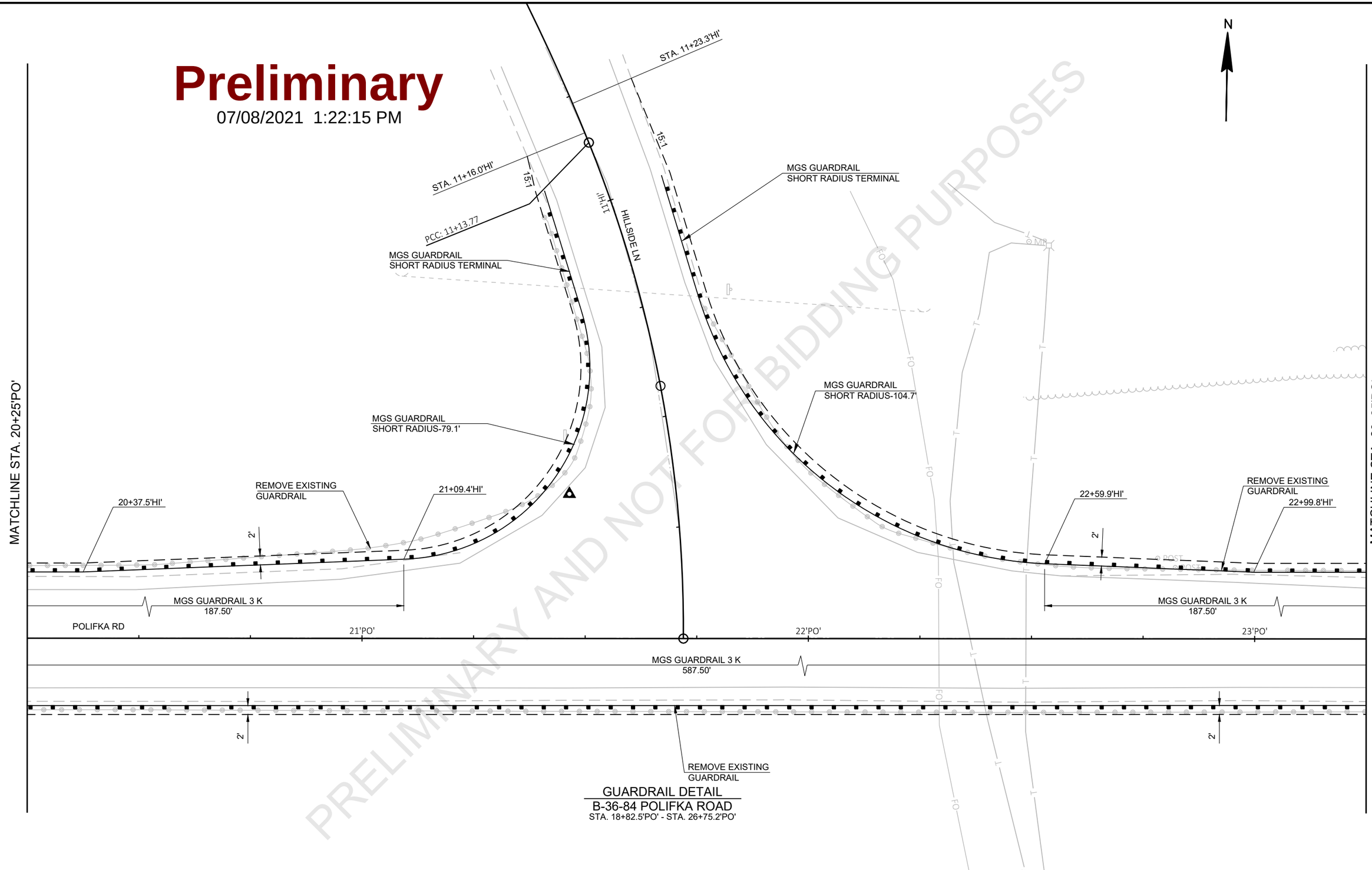


GUARDRAIL DETAIL
B-36-84 POLIFKA ROAD
STA. 18+82.5'PO' - STA. 26+75.2'PO'

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - POLIFKA ROAD	SHEET	E

Preliminary

07/08/2021 1:22:15 PM



GUARDRAIL DETAIL

B-36-84 POLIFKA ROAD

STA. 18+82.5'PO' - STA. 26+75.2'PO'

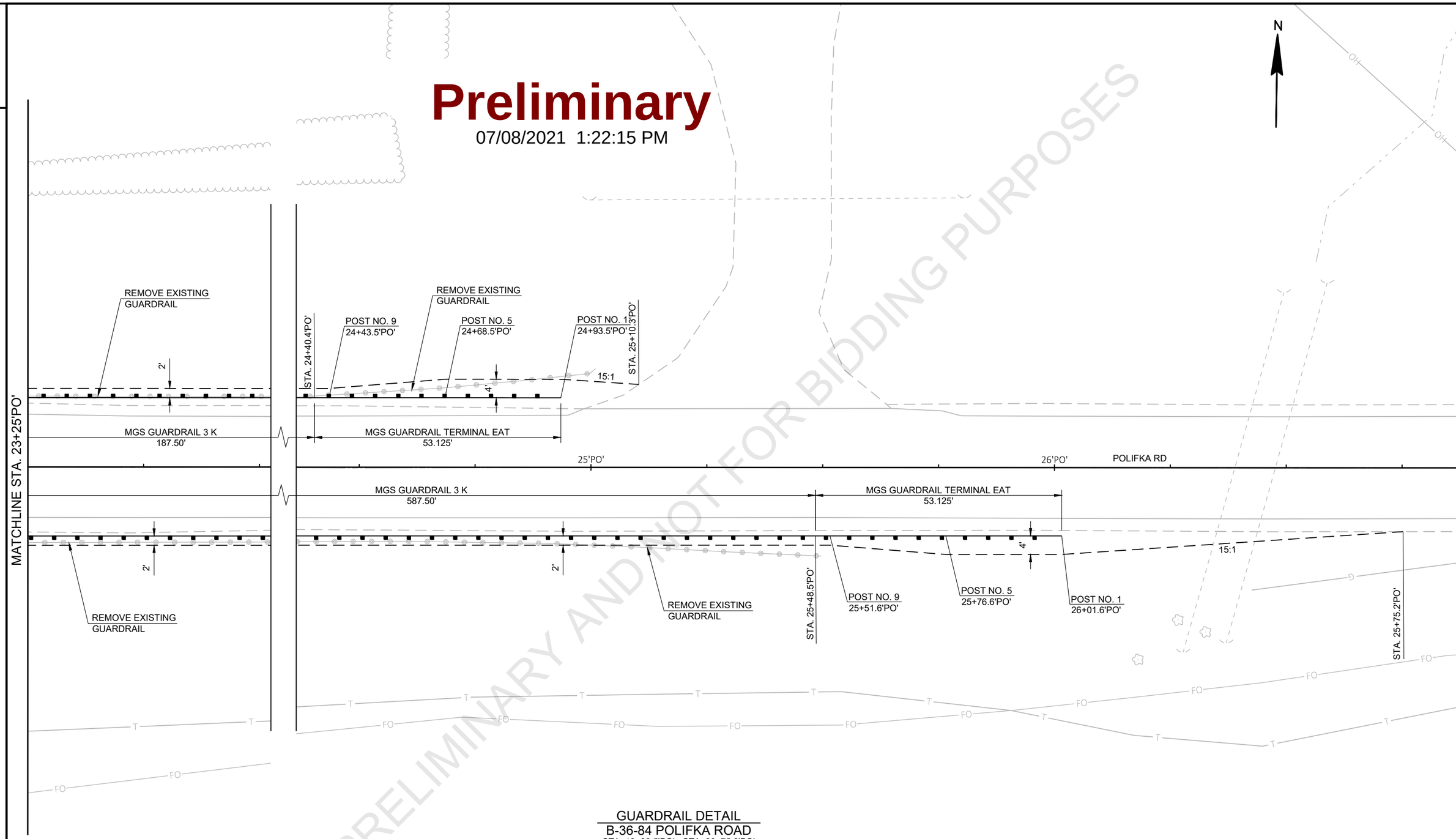
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\021216_PD.DWG
LAYOUT NAME - 021222_pd
PLOT DATE : 3/9/2021 9:46 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT

Preliminary

07/08/2021 1:22:15 PM



GUARDRAIL DETAIL
B-36-84 POLIFKA ROAD
STA. 18+82.5'PO' - STA. 26+75.2'PO'

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\021216_PD.DWG
LAYOUT NAME - 021223_pd
PLOT DATE : 3/9/2021 9:46 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:20 FT

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LEGEND

xxxxxxxxx SAW CUT

Preliminary

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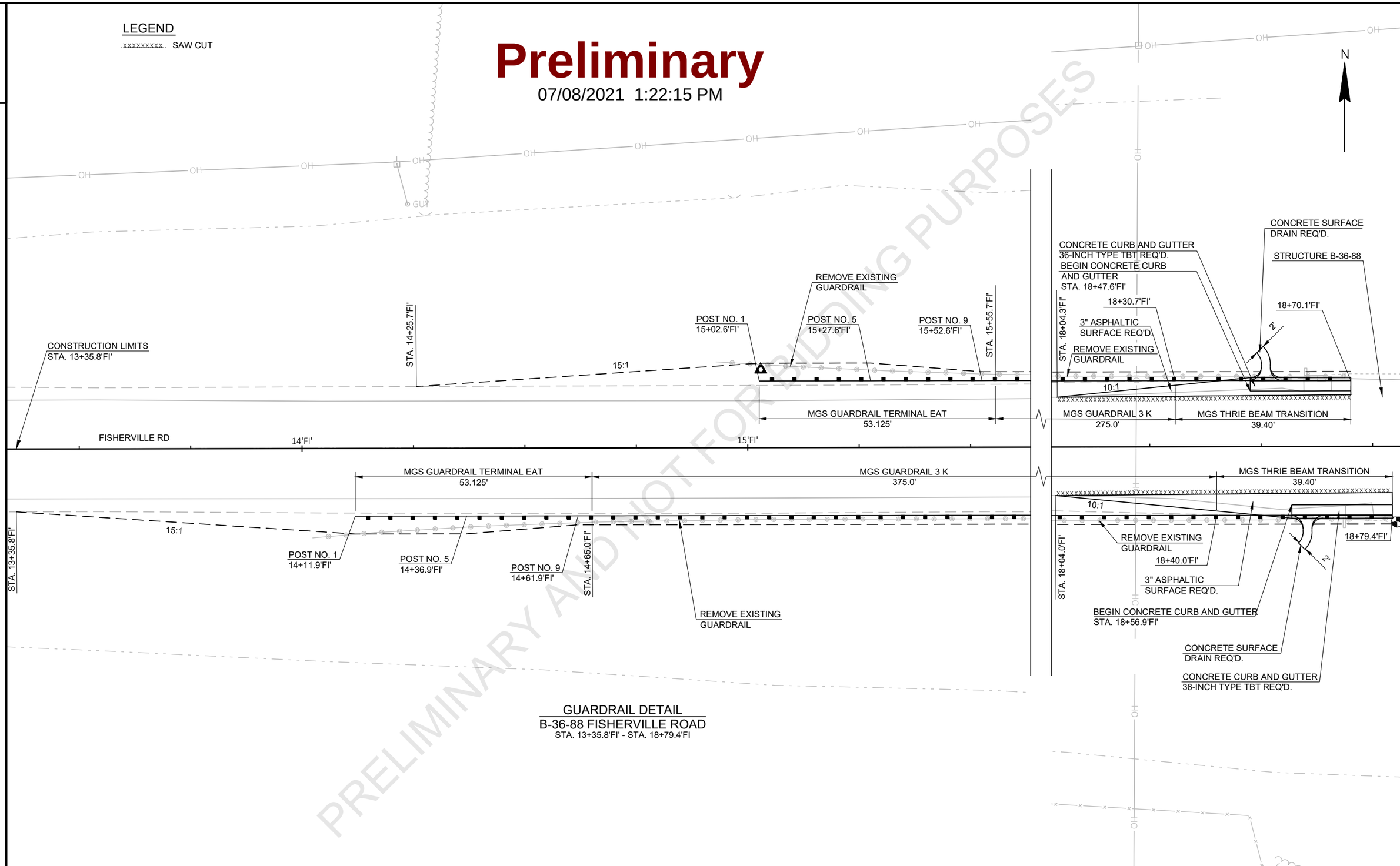

GUARDRAIL DETAIL
B-36-88 FISHERVILLE ROAD
STA. 13+35.8'FI' - STA. 18+79.4'FI

PRELIMINARY AND NOT FOR BIDDING PURPOSES

2

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - FISHERVILLE ROAD	SHEET	E

Preliminary

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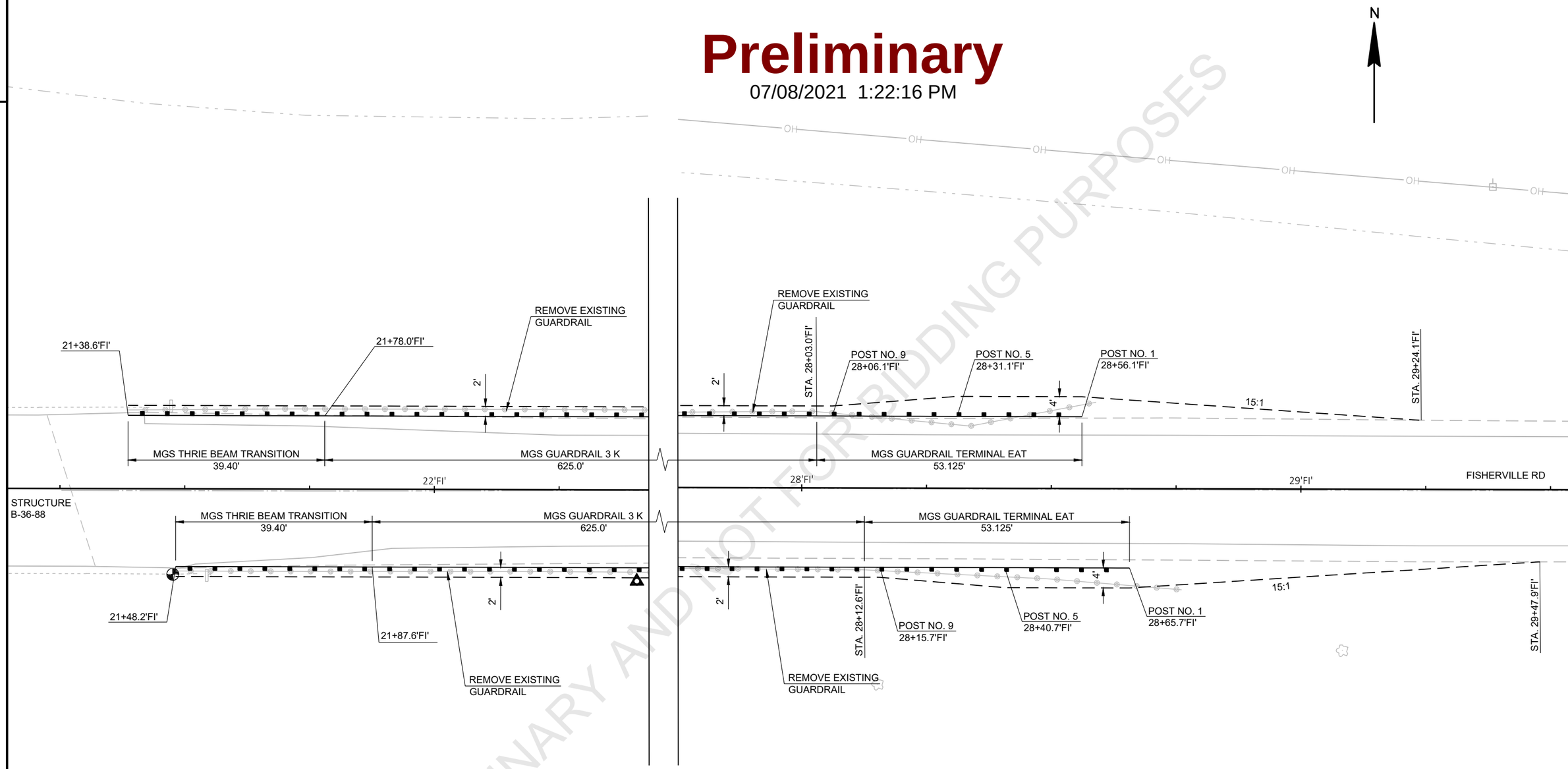


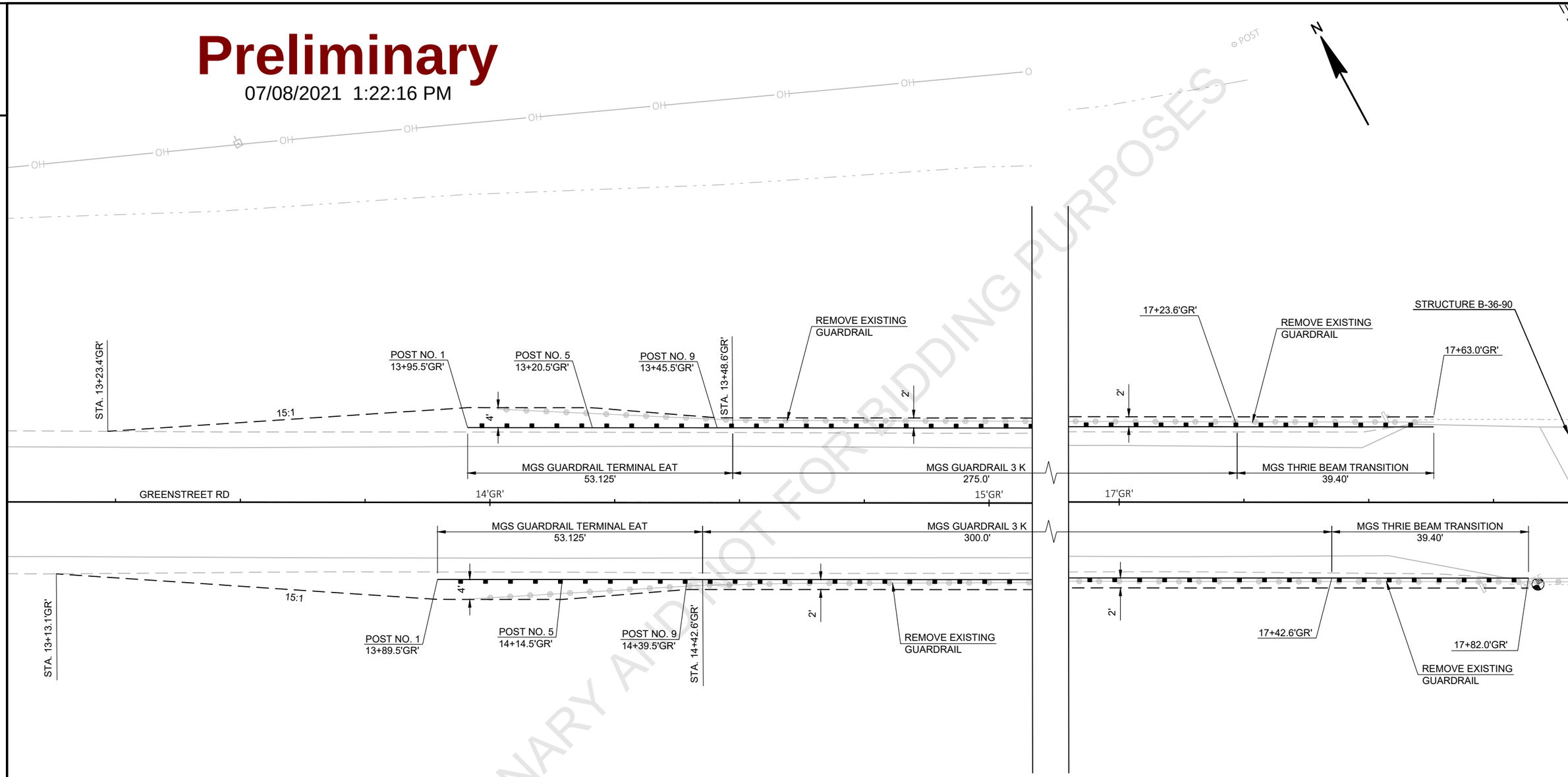
GUARDRAIL DETAIL
B-36-88 FISHERVILLE ROAD
STA. 21+38.6'FI' - STA. 29+47.9'FI

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - FISHERVILLE ROAD	SHEET	E

Preliminary

07/08/2021 1:22:16 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

GUARDRAIL DETAIL

B-36-90 GREENSTREET RD

STA. 13+13.1'GR' - STA. 17+82.0'GR'

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - GREENSTREET ROAD	SHEET	E

LEGEND

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Preliminary

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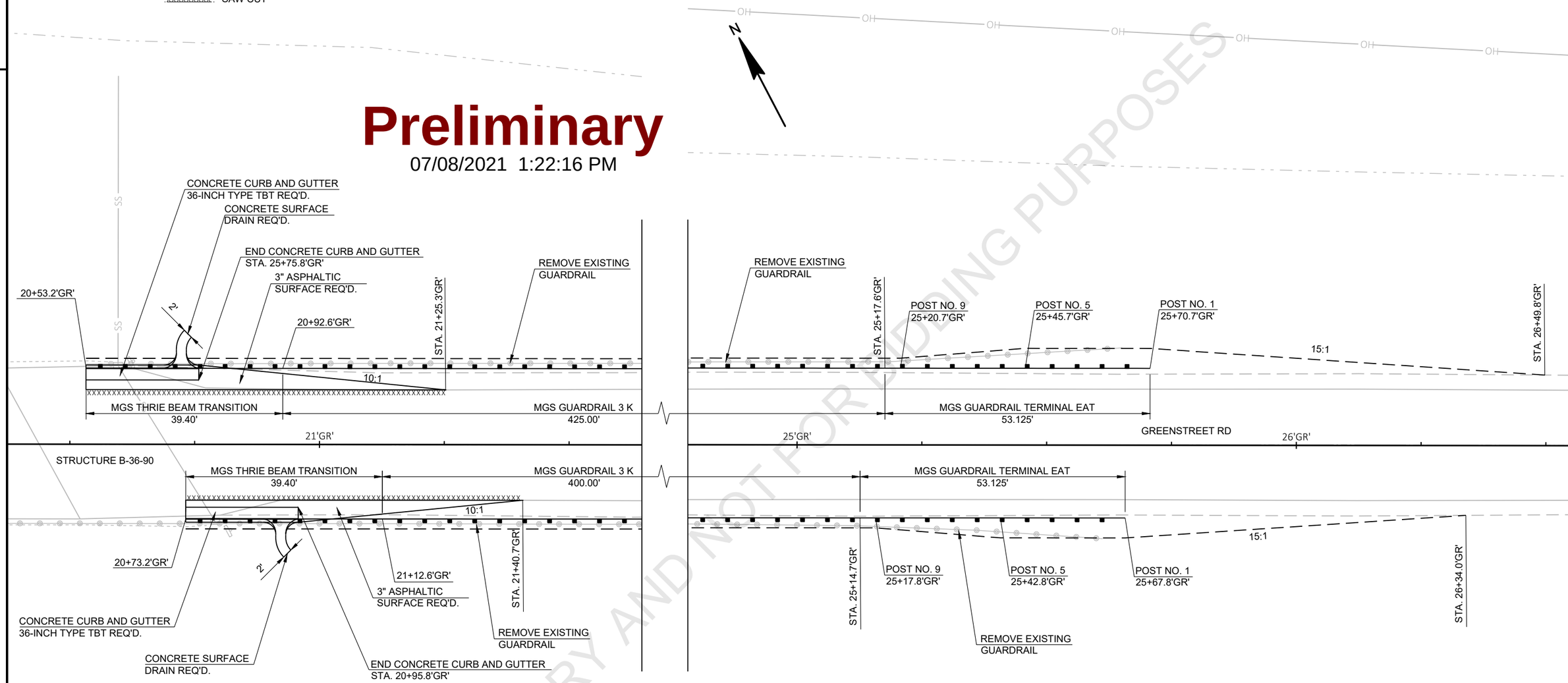


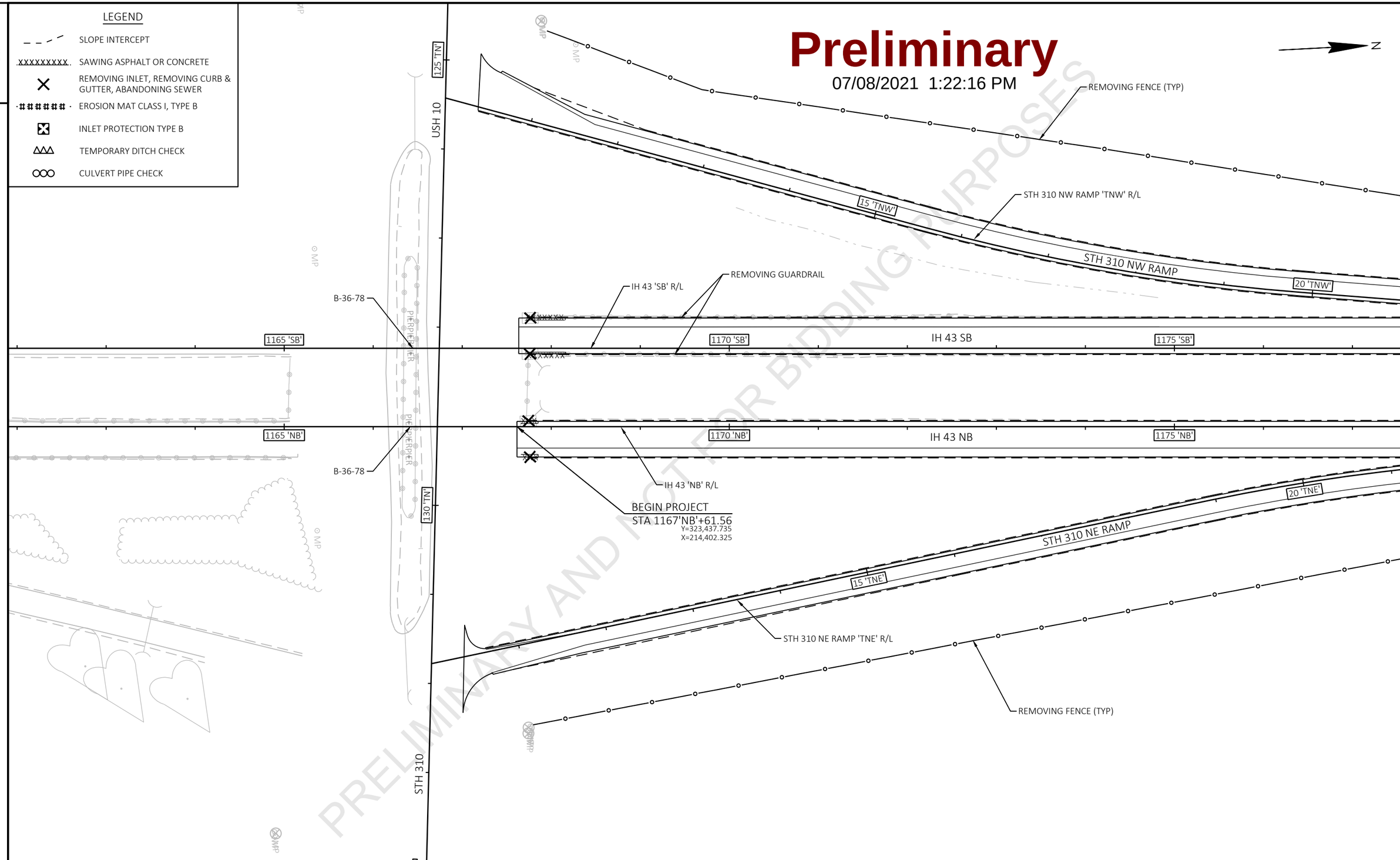
GUARDRAIL DETAIL

B-36-90 GREENSTREET RD

STA. 20+53.2'GR' - STA. 26+49.8'GR'

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN DETAILS - GREENSTREET ROAD	SHEET	E



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-71\022001-EC_RM.DWG
LAYOUT NAME - 022001-ec_rm
PLOT DATE : 5/5/2021 3:05 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 1:22:16 PM

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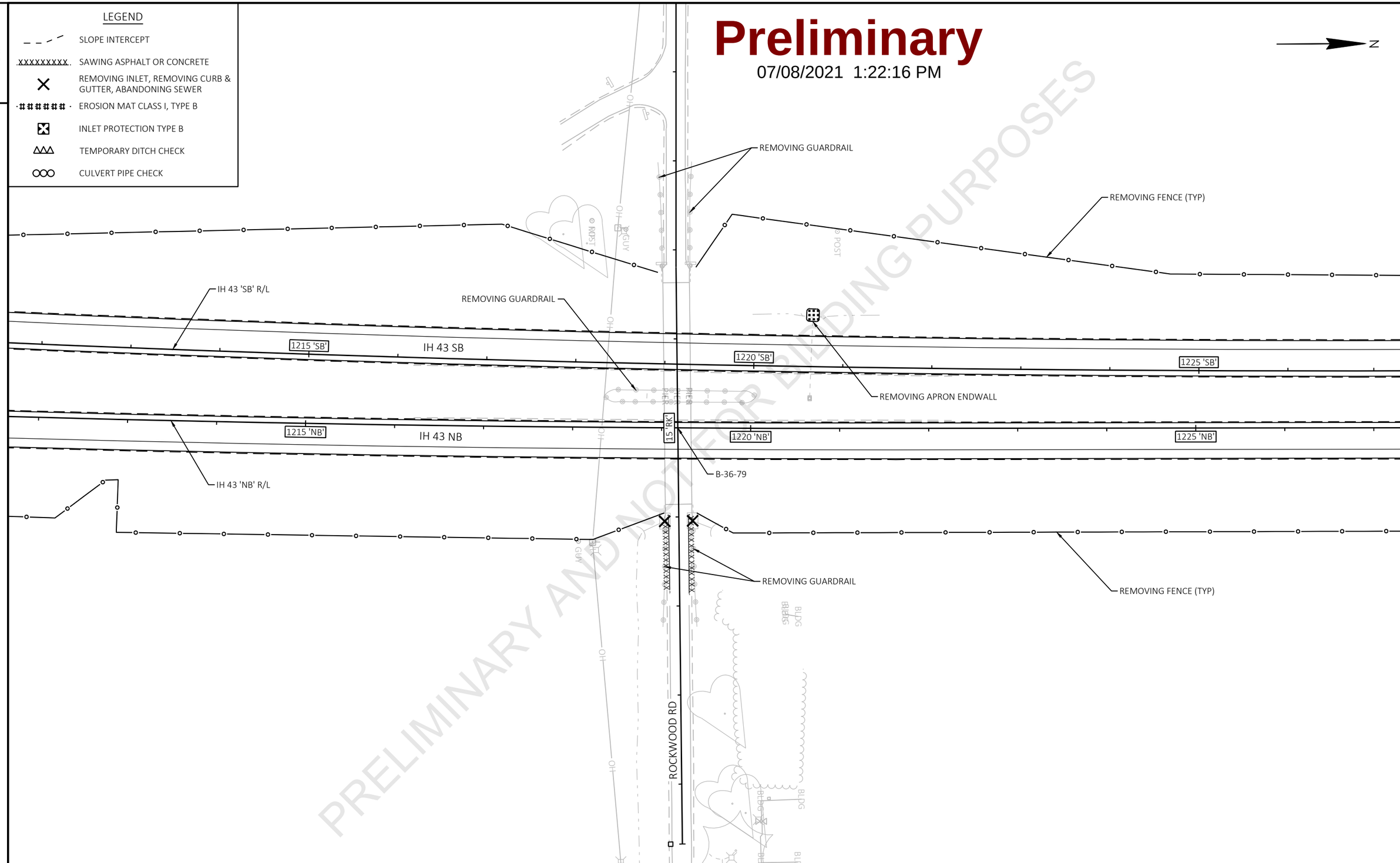


PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

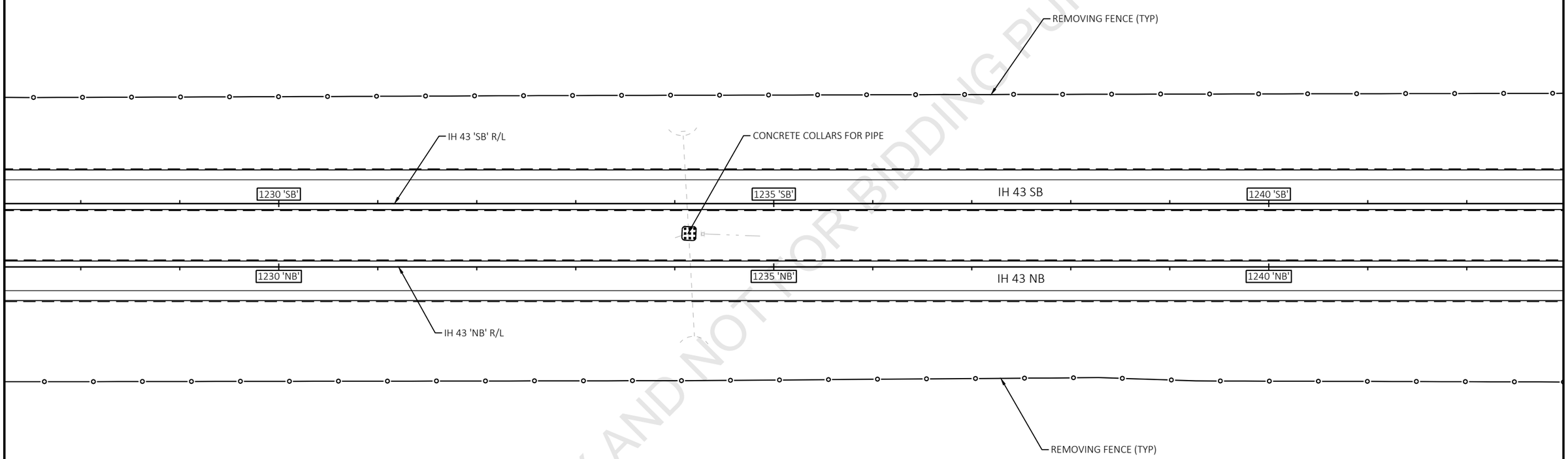
2

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 1:22:16 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	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

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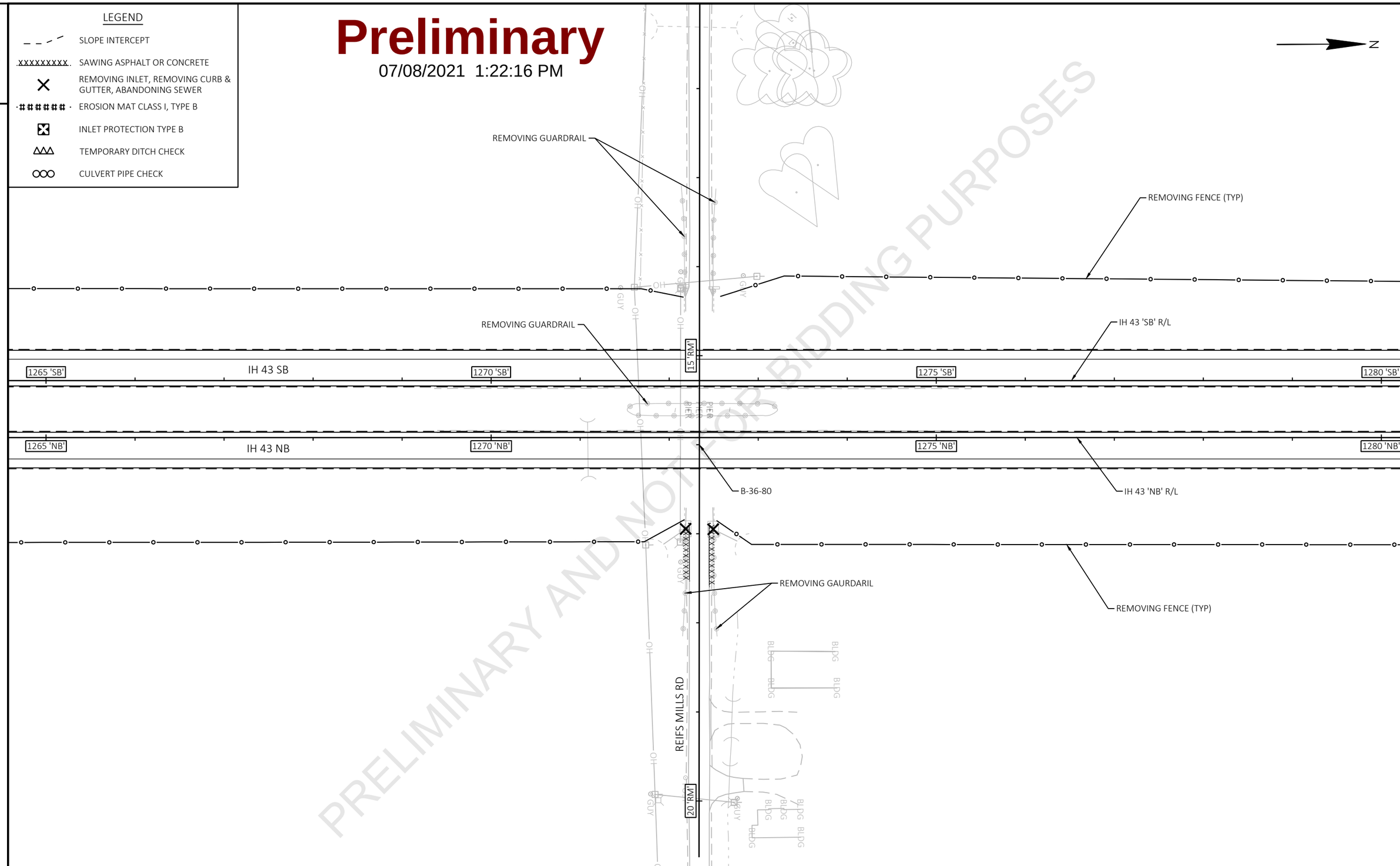

PRELIMINARY AND NOT FOR BIDDING PURPOSES

2

PROJECT NO: 1227-12-71	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

N

2

Preliminary

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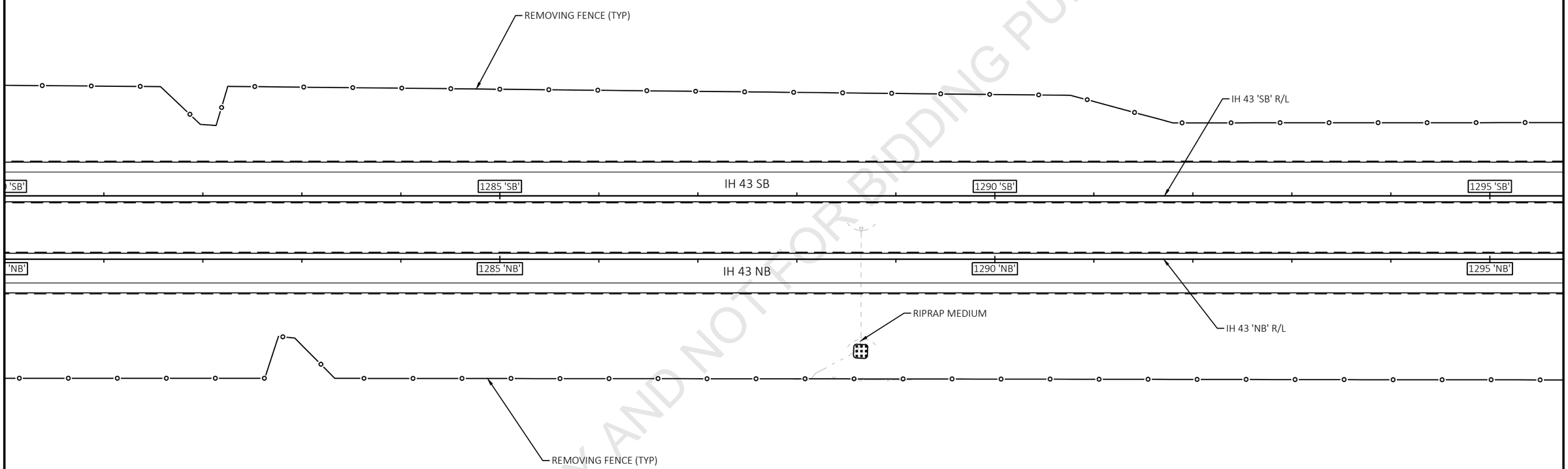

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

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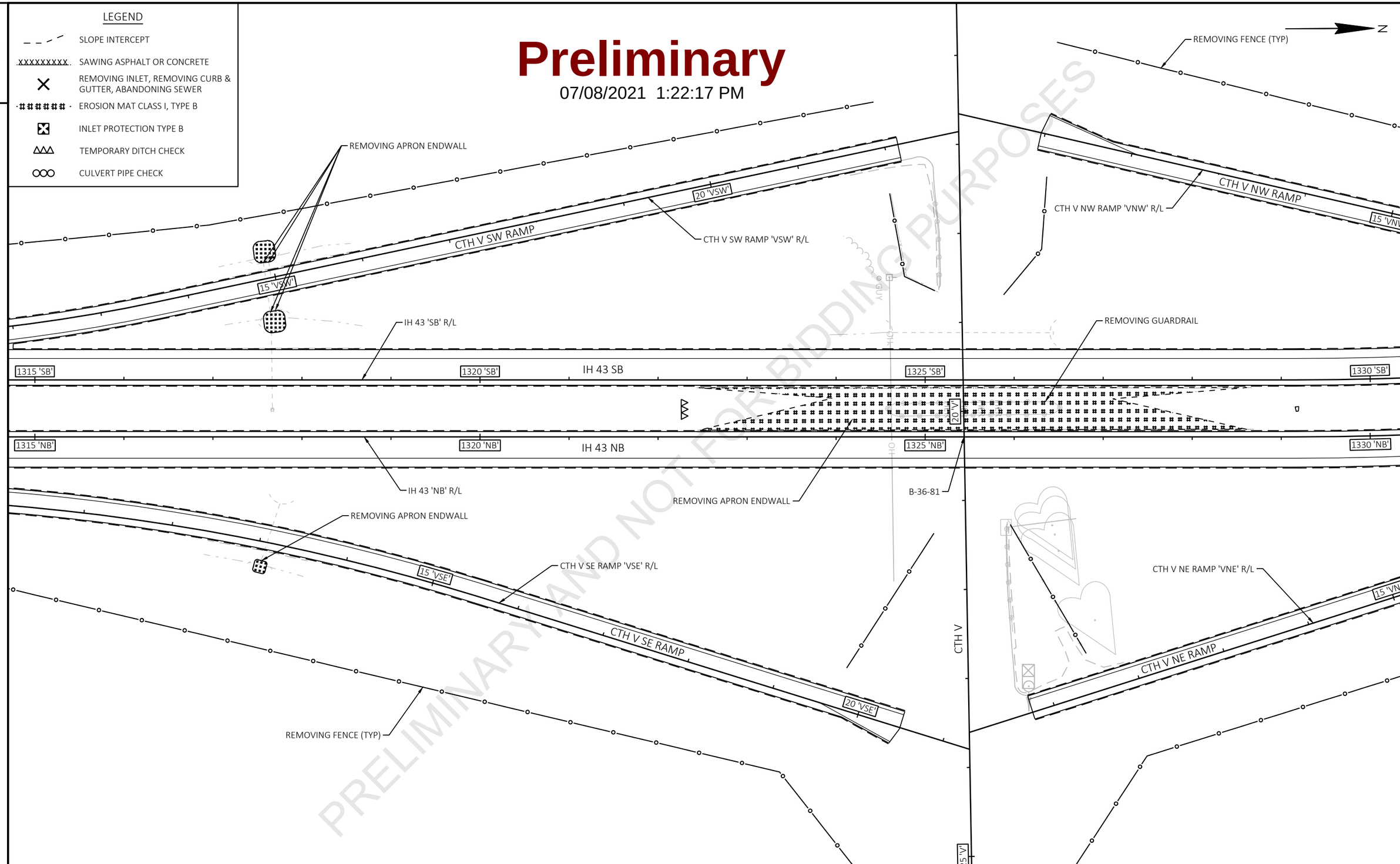

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

Preliminary

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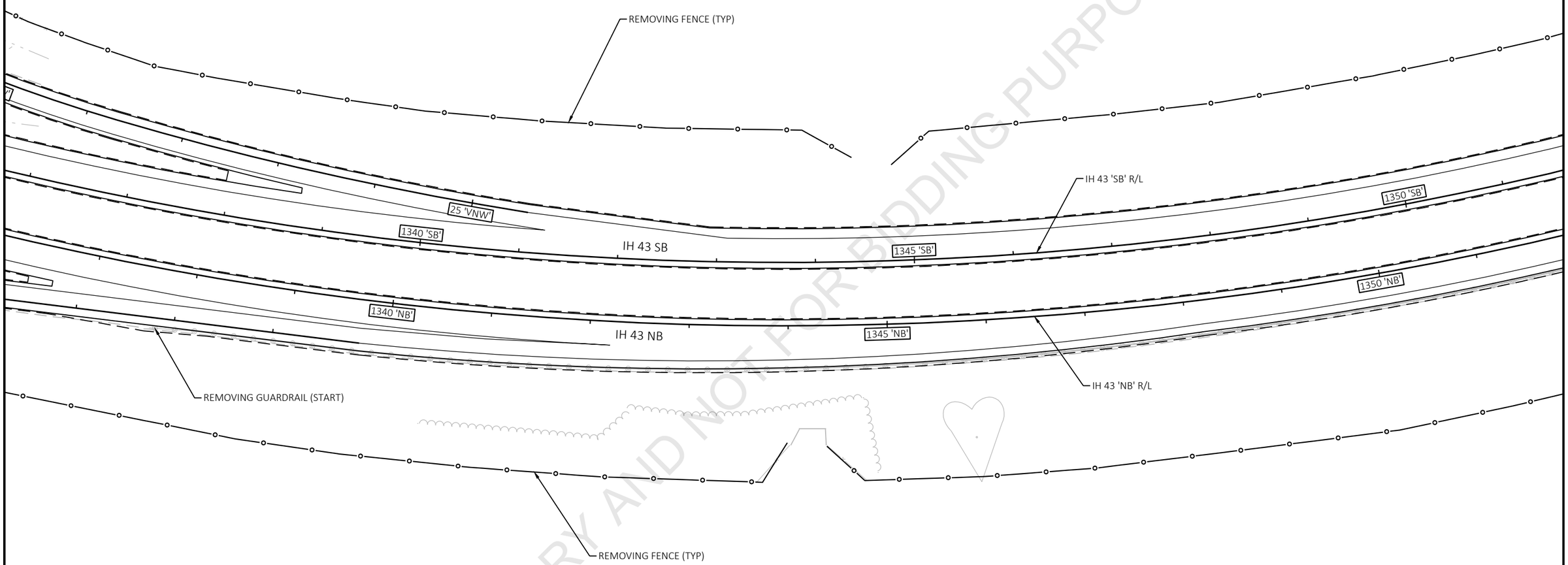

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

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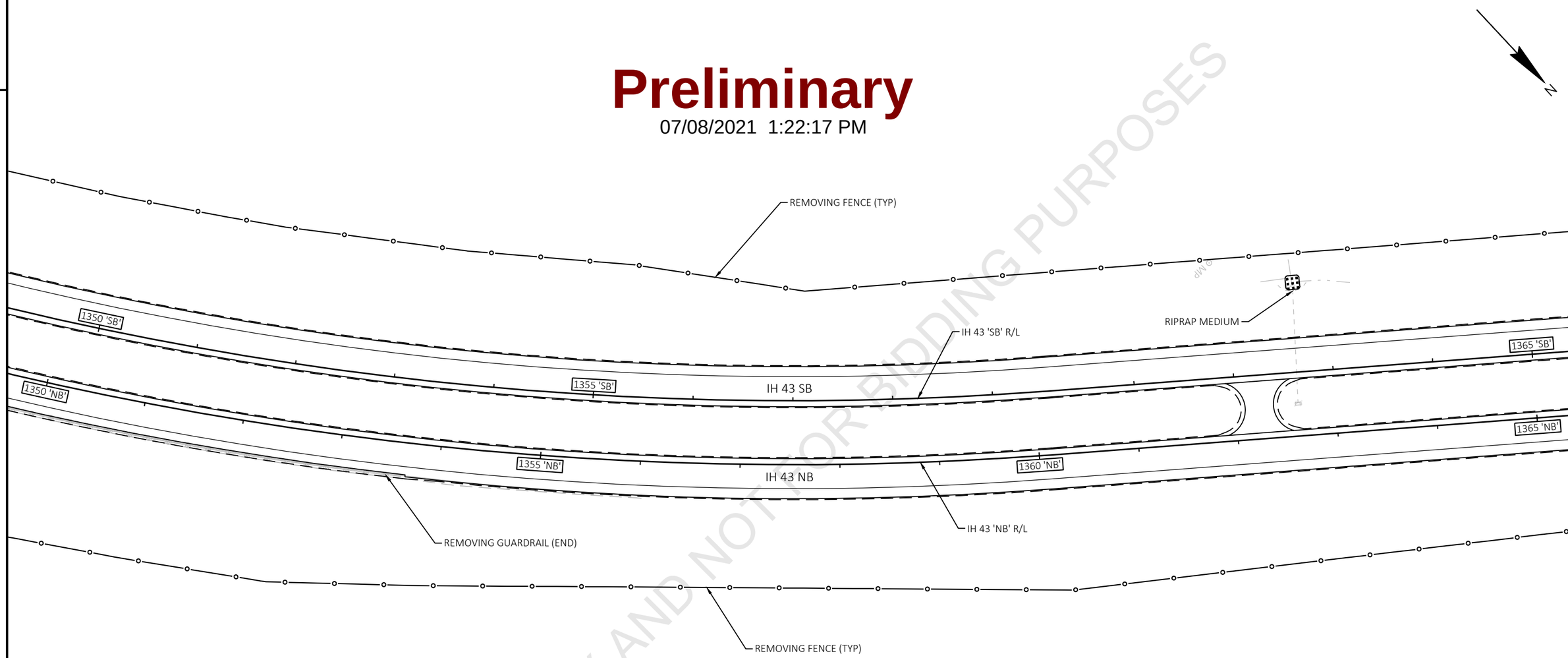

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PRELIMINARY AND NOT FOR BIDDING PURPOSES

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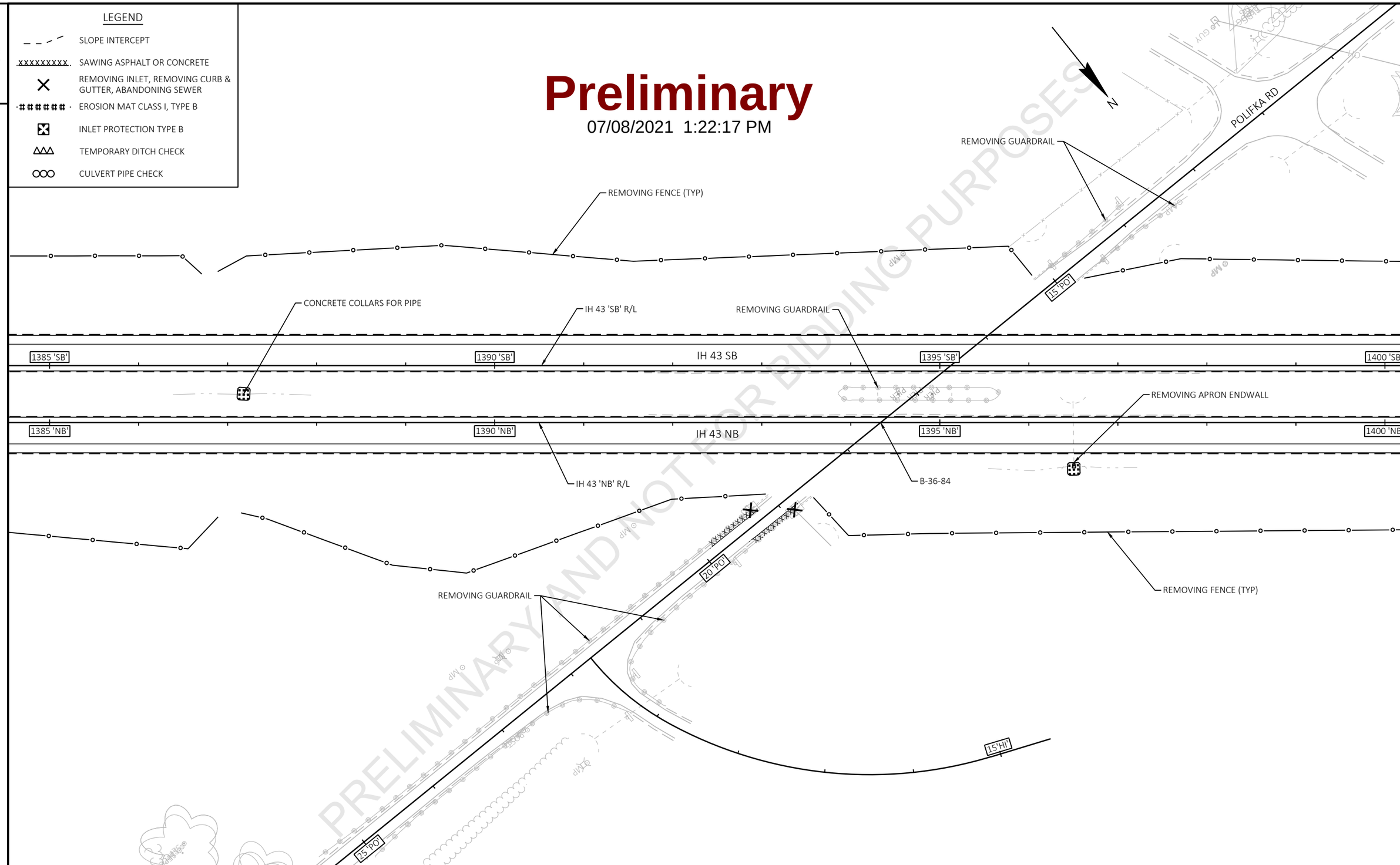

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

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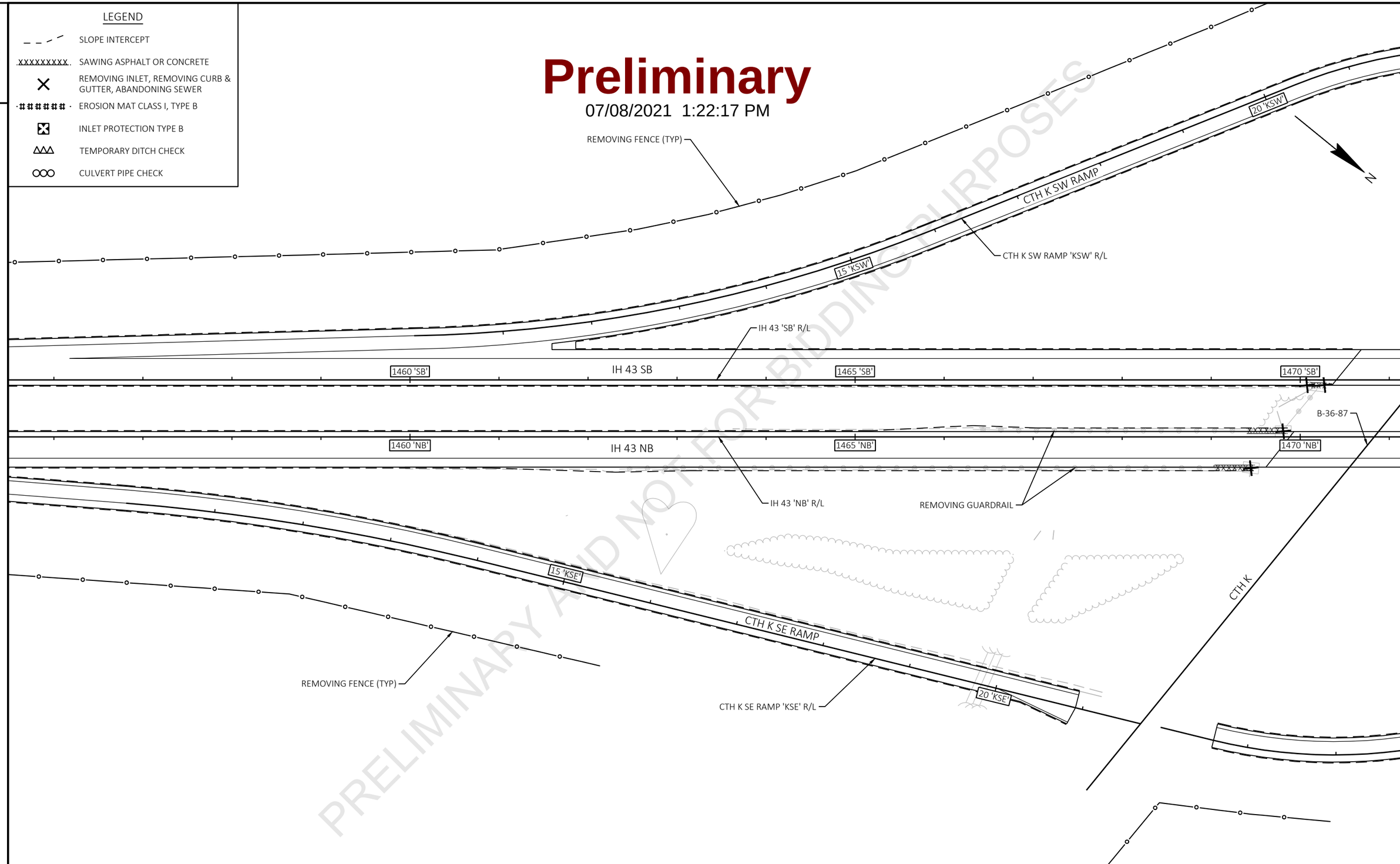

PRELIMINARY AND NOT FOR BIDDING PURPOSES

2

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

Preliminary

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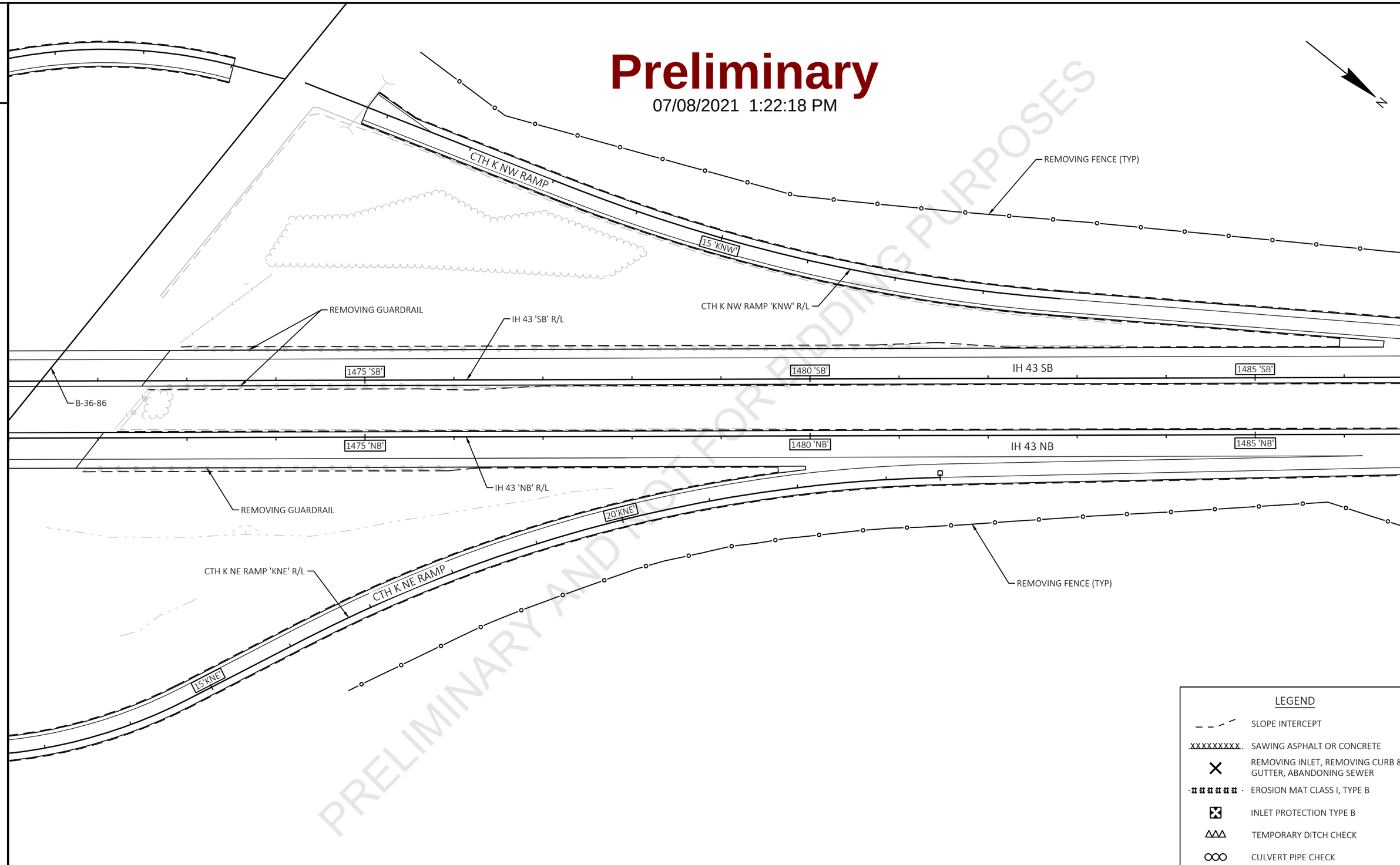

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

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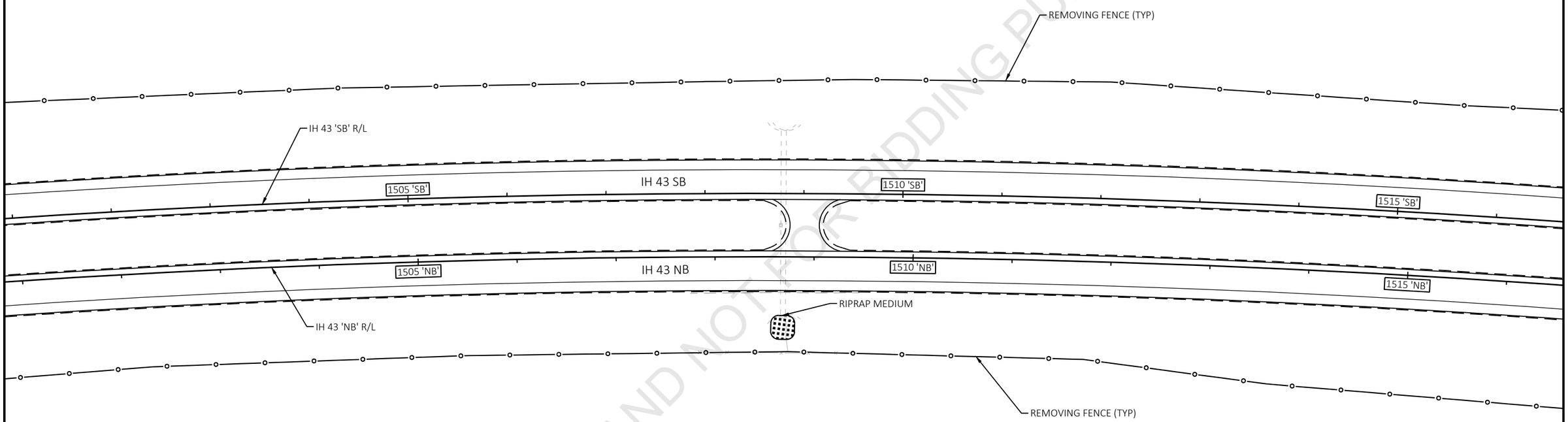

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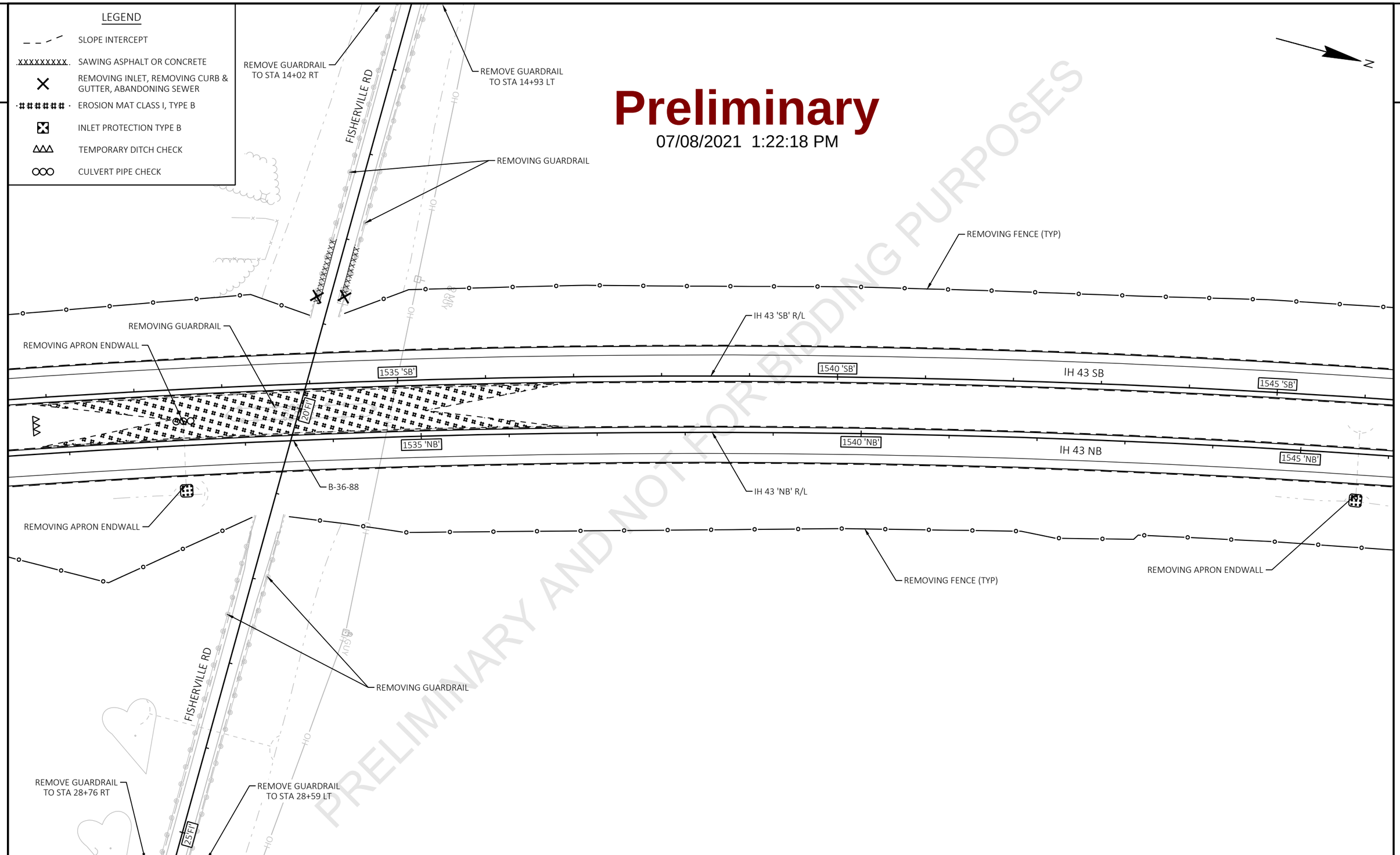

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

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LAYOUT NAME - 022013-ec_rm
PLOT DATE : 5/5/2021 3:06 PM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

LEGEND

- SLOPE INTERCEPT
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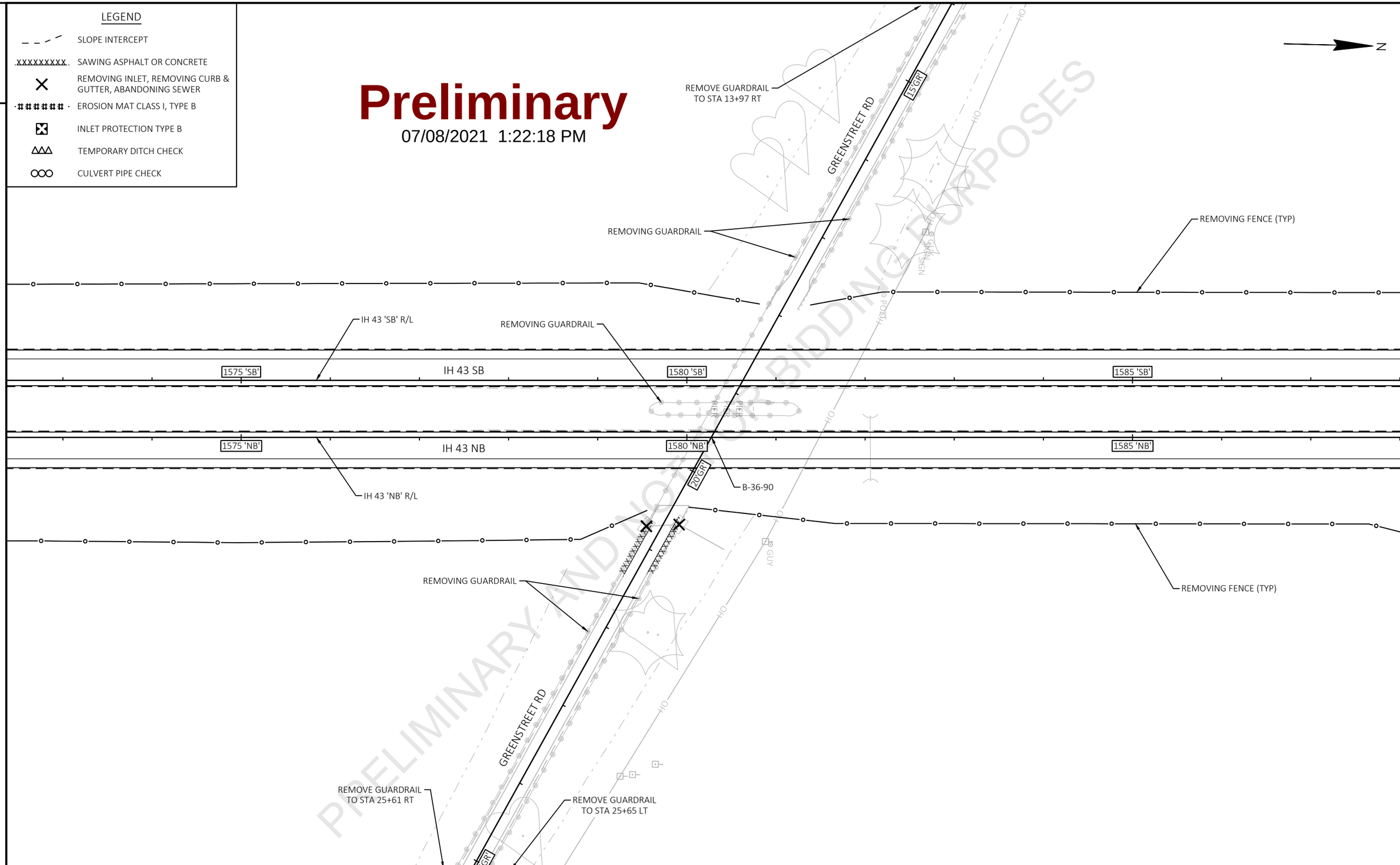

PRELIMINARY AND NOT FOR BIDDING PURPOSES

2

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E

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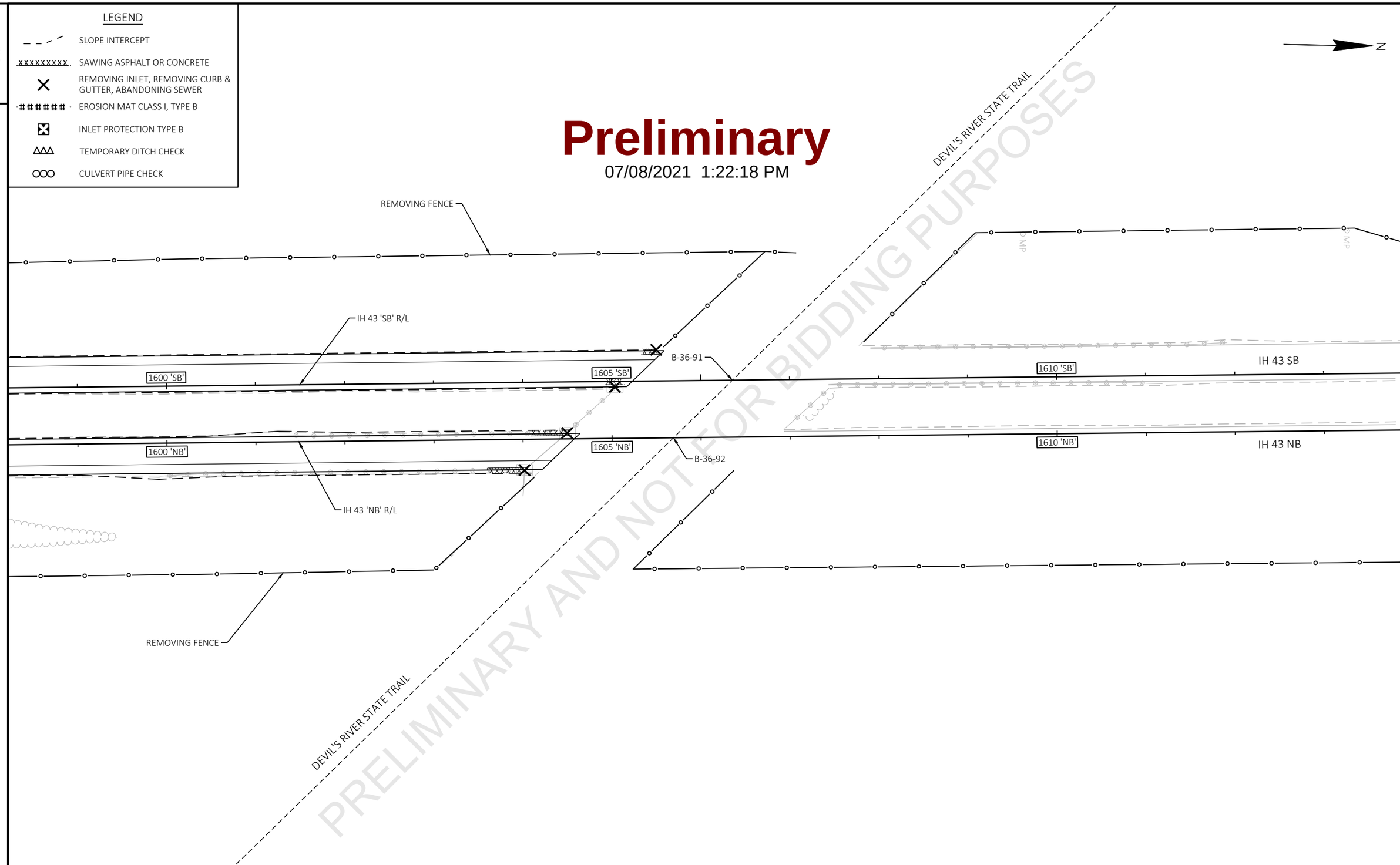

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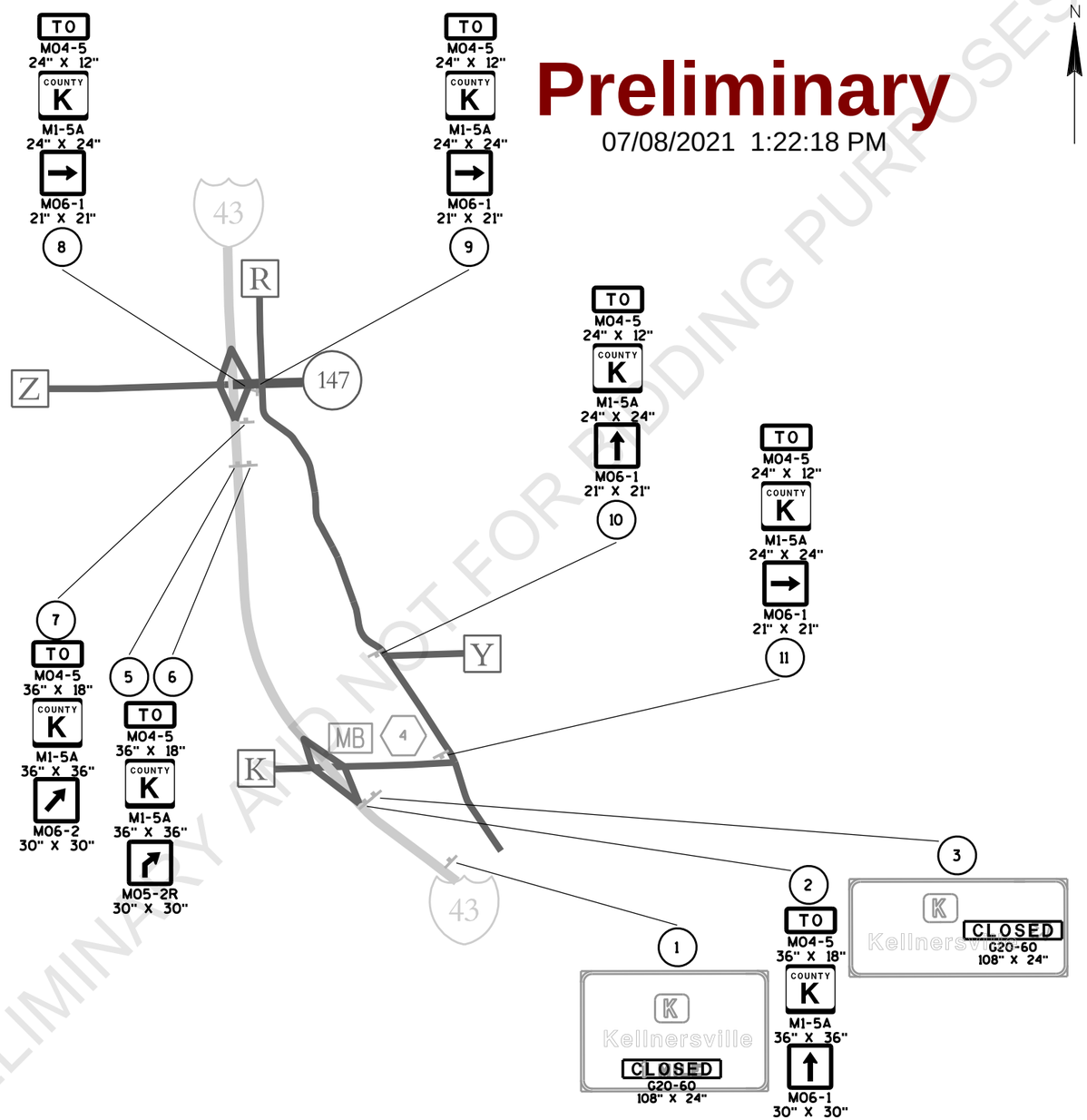
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	EROSION CONTROL - REMOVALS	SHEET	E



Preliminary
07/08/2021 1:22:18 PM
PRELIMINARY AND NOT FOR BIDDING PURPOSES

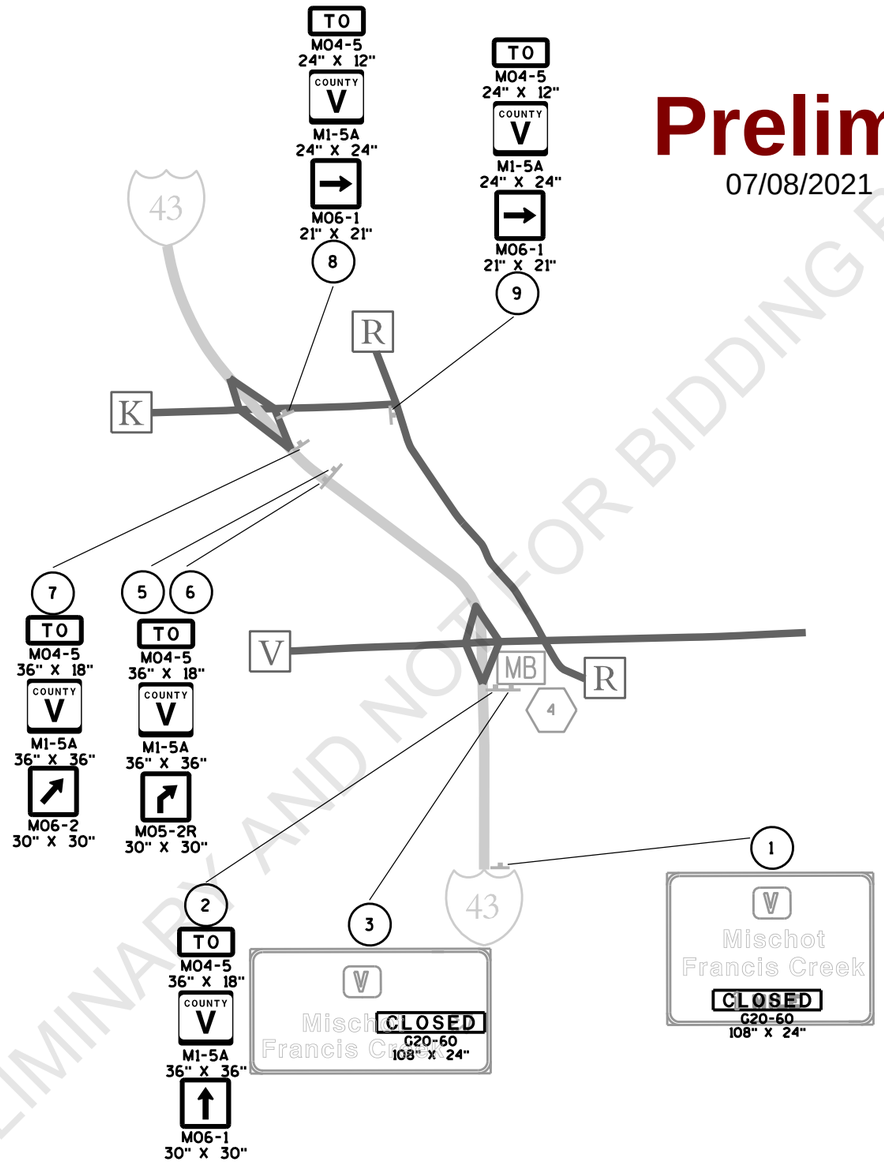
N

LEGEND

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

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - 43 NB OFF-RAMP TO K	SHEET	E



Preliminary

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N

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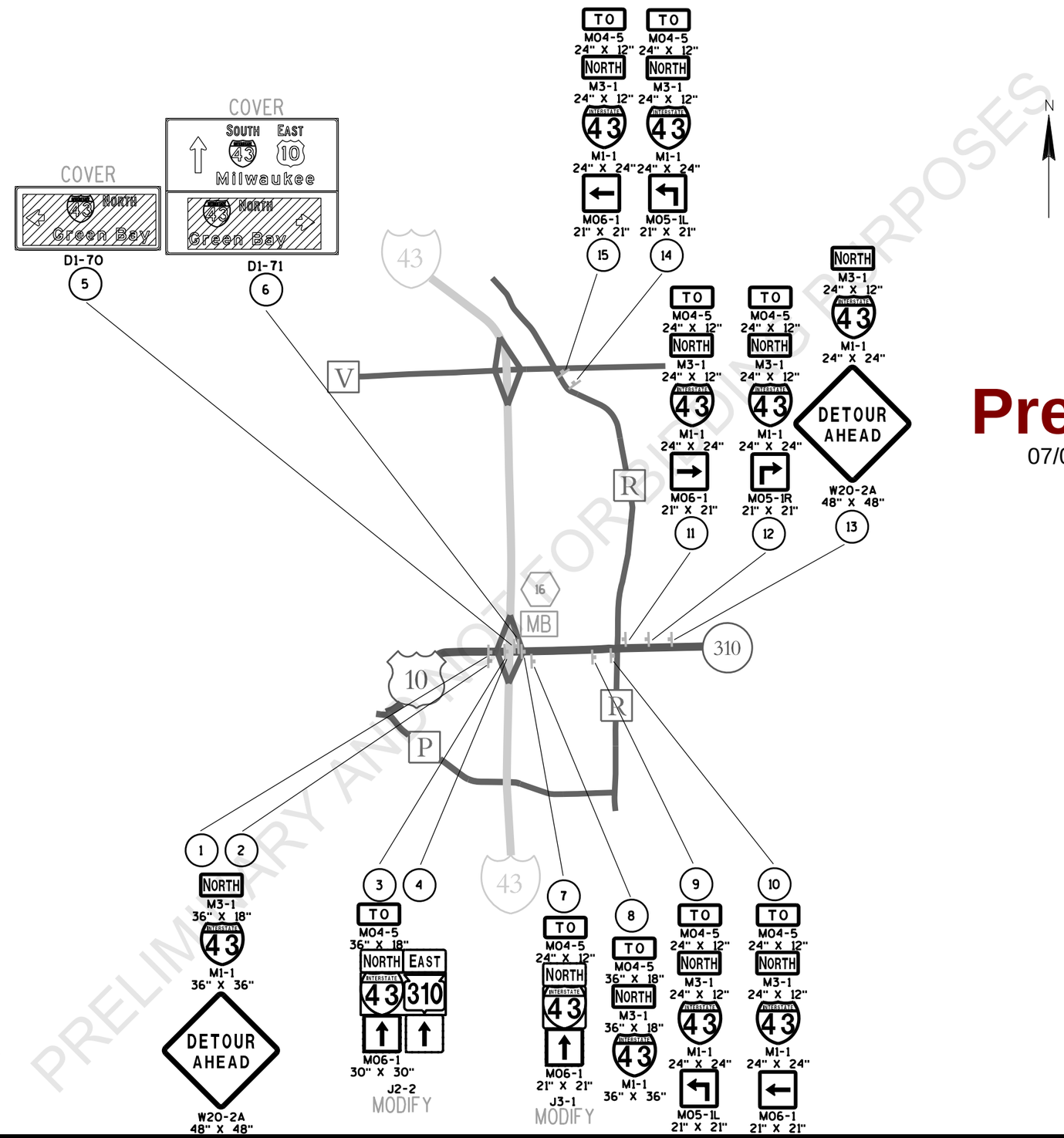
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - I-43 NB OFF-RAMP TO V	SHEET	E



Preliminary

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PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - US 10-STH 310 TO 43 NB ON-RAMP	SHEET	E

Preliminary

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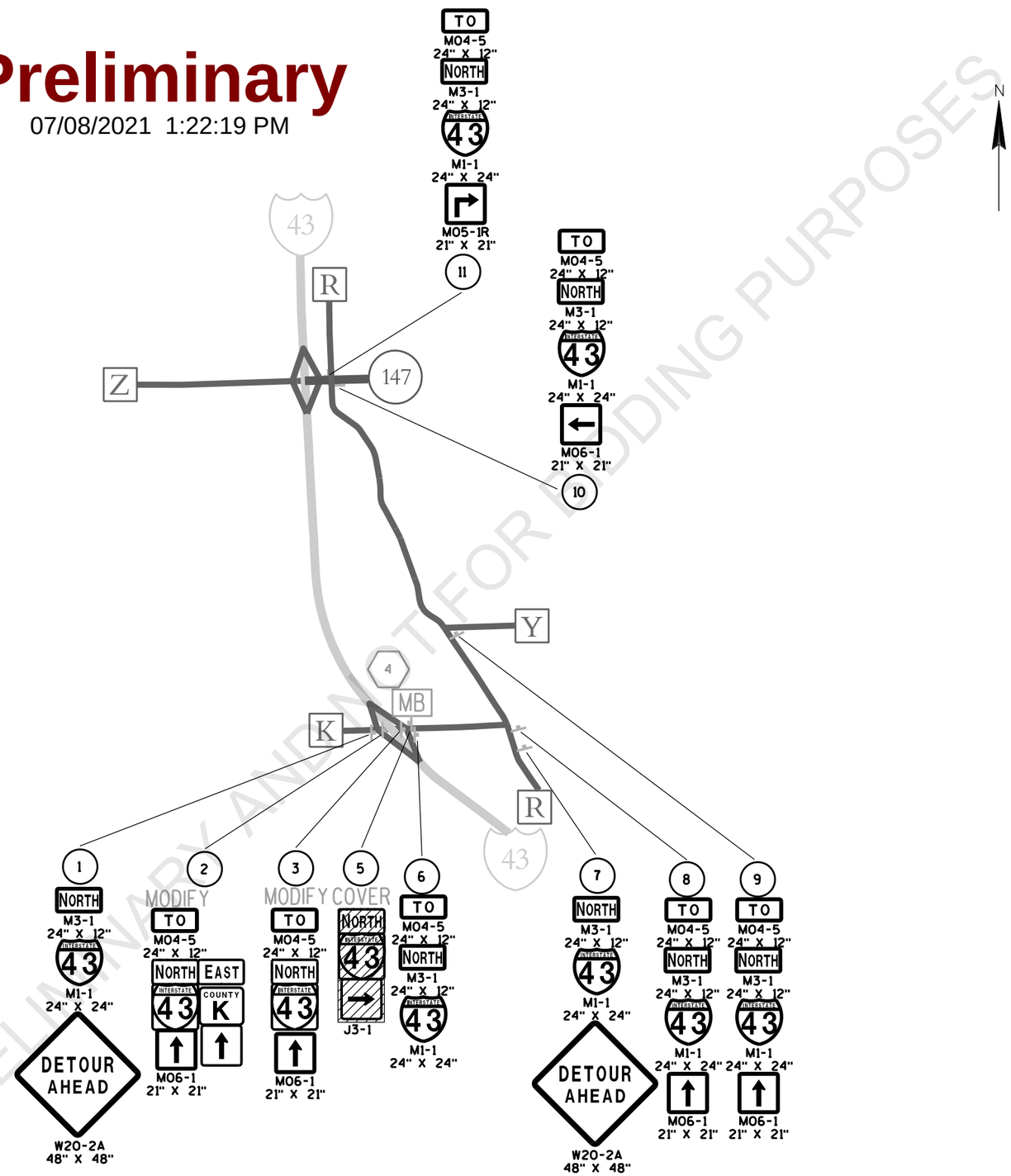

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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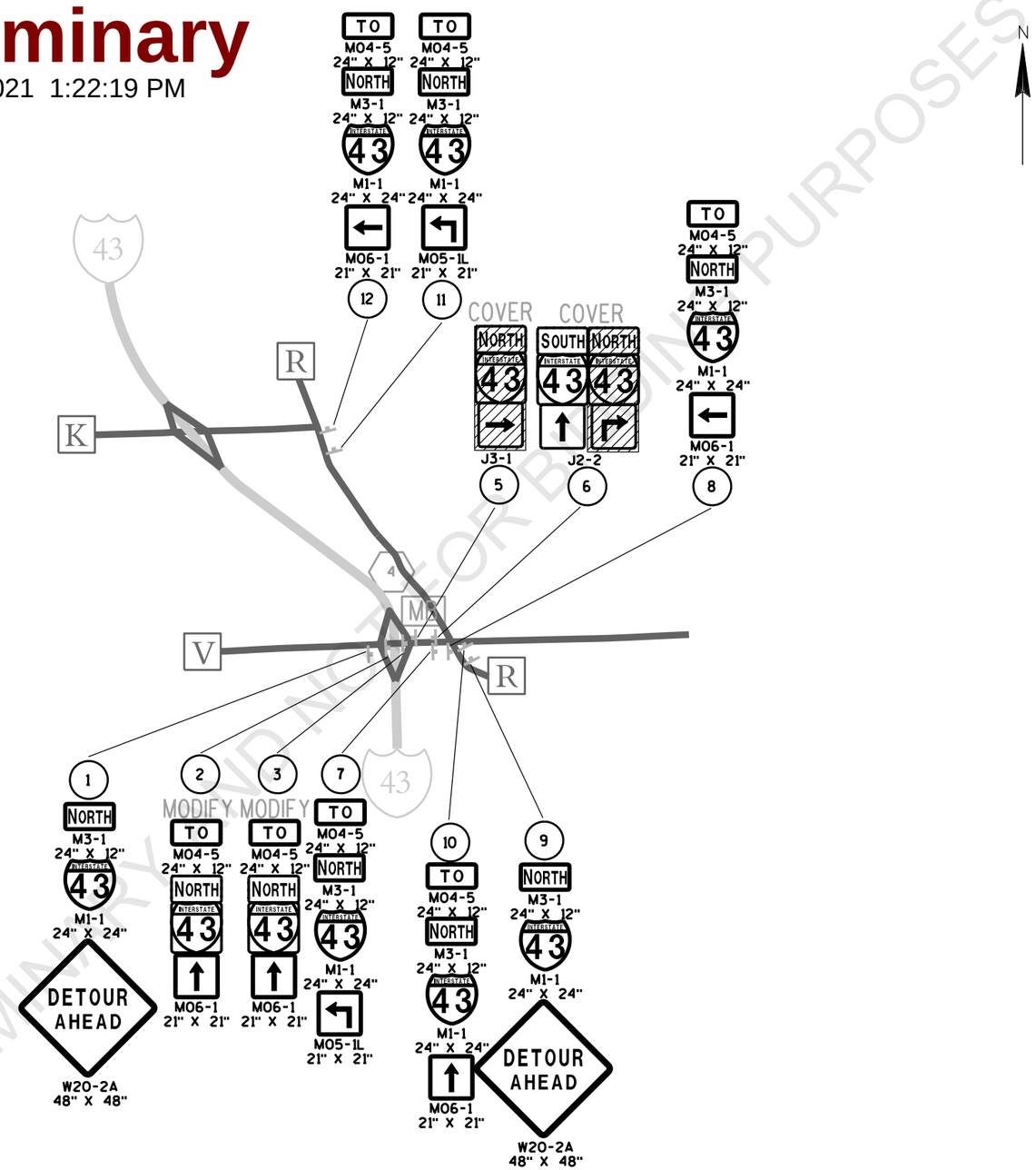
PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - CTH K TO 43 NB ON-RAMP	SHEET	E

2

Preliminary

07/08/2021 1:22:19 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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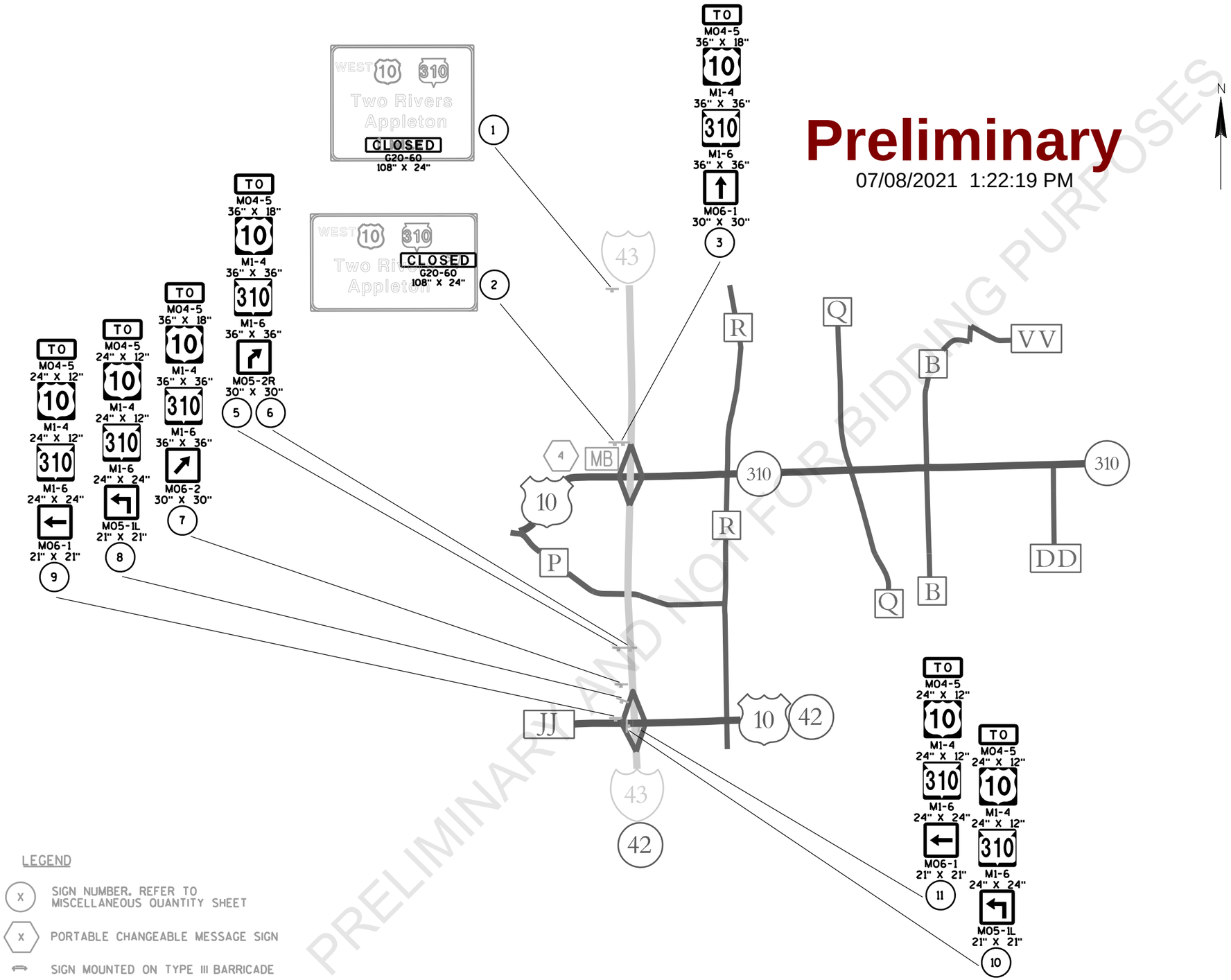
- POST MOUNTED SIGN

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - CTH V TO 43 NB ON-RAMP	SHEET	E



LEGEND

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MB (X) PORTABLE CHANGEABLE MESSAGE SIGN

SIGN MOUNTED ON TYPE III BARRICADE

POST MOUNTED SIGN

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PLAN SHEET PRODUCED BY WisDOT-NE REGION

PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - 43 SB OFF-RAMP TO 10/310	SHEET	E

2

Preliminary

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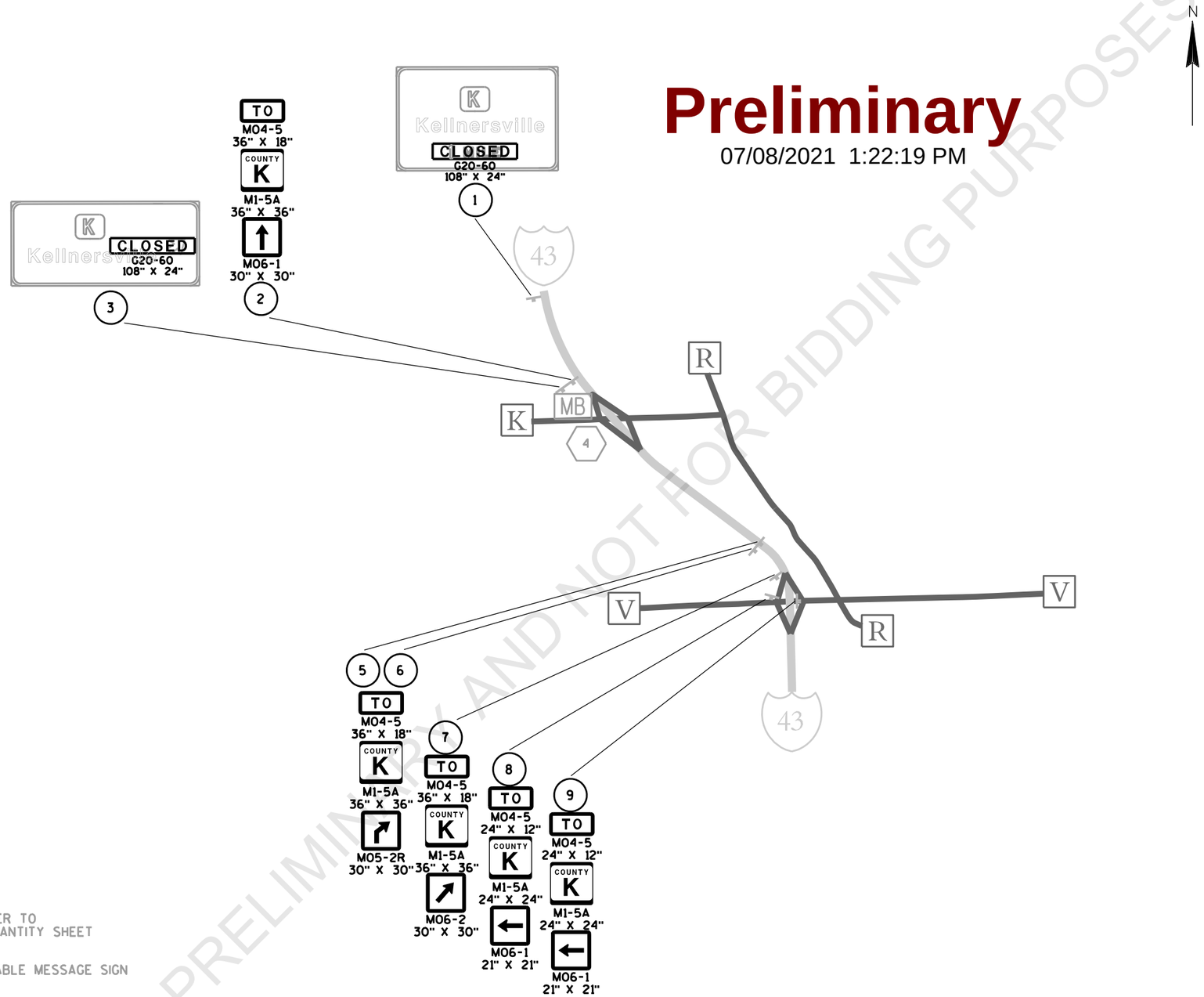

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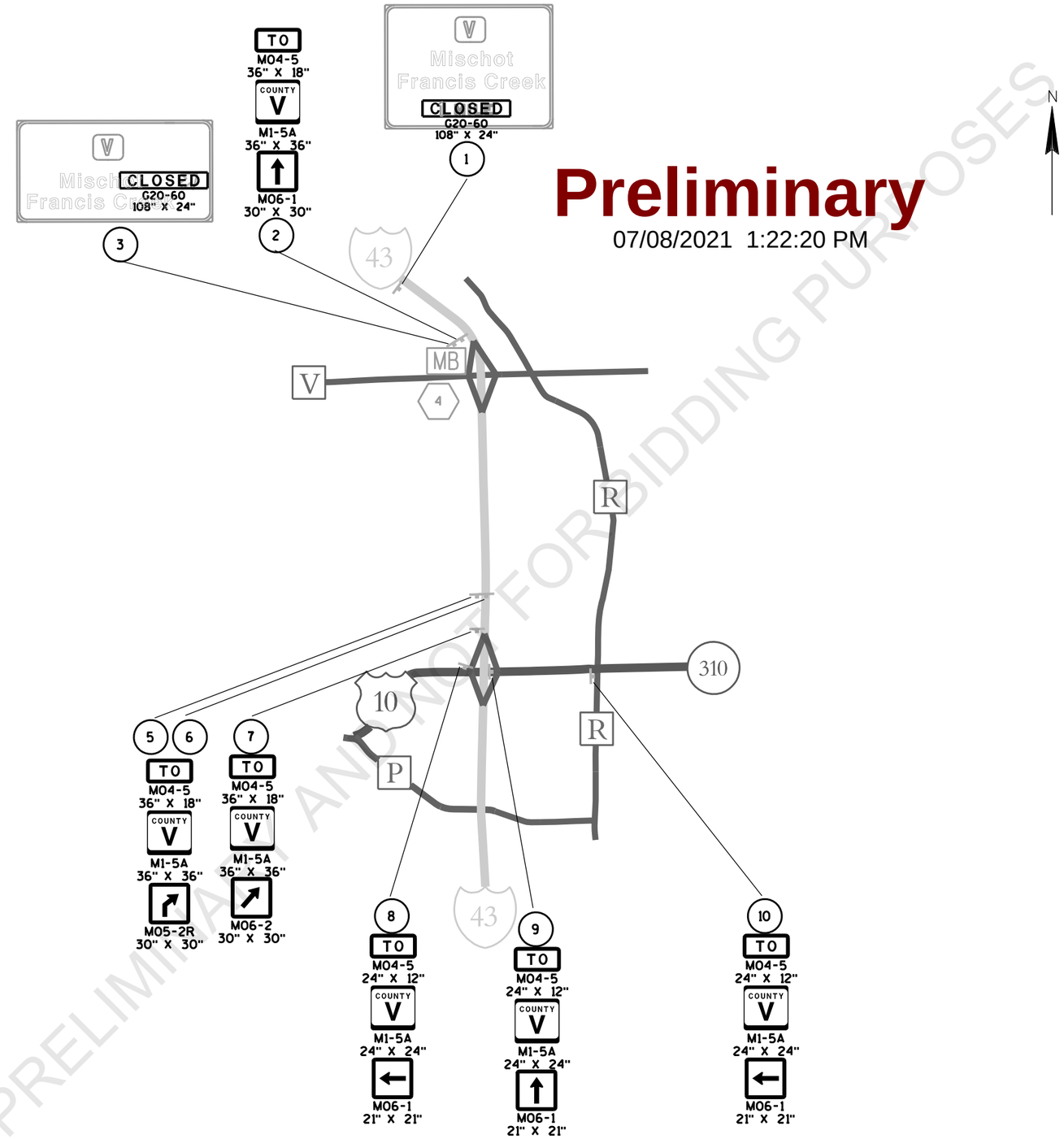
PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - 43 SB OFF-RAMP TO K	SHEET	E



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PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - 43 SB OFF-RAMP TO V	SHEET	E

Preliminary

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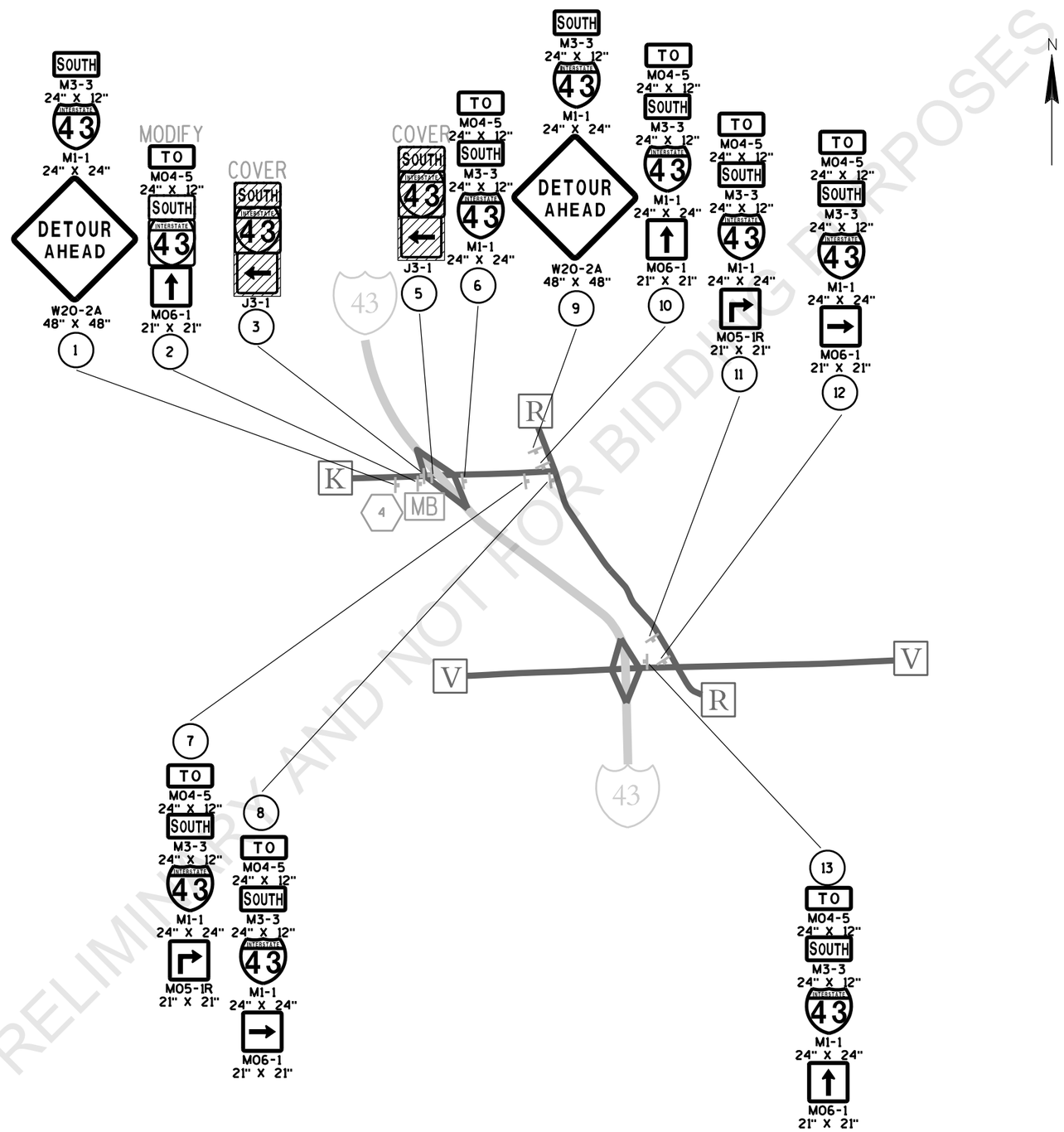

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Preliminary

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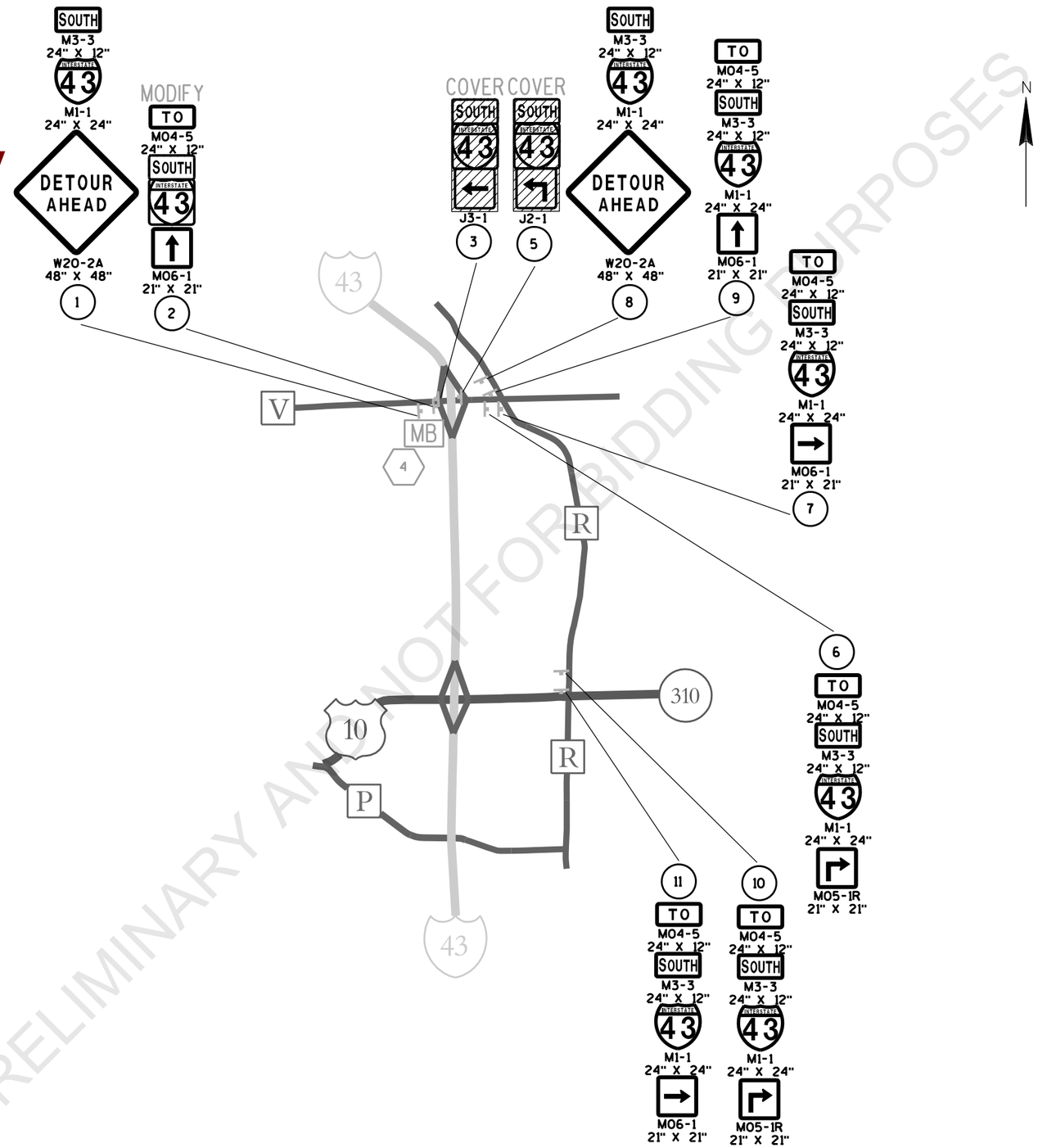

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PROJECT NO:1227-12-71	HWY:I-43	COUNTY:MANITOWOC	DETOUR SIGNING DETAIL - CTH V ON-RAMP TO 43 SB	SHEET	E

Preliminary

07/08/2021 1:22:20 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	REMARKS
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	LT/RT	-	-	-	202,203	NB MAINLINE & SHOULDERS
0010	IH 43 NB	1167'NB'+62	-	1167'NB'+64	LT/RT	-	-	13	-	
0010	IH 43 NB	1167'NB'+67	-	1167'NB'+82	LT	-	5	-	-	
0010	IH 43 NB	1167'NB'+67	-	1167'NB'+82	RT	-	5	-	-	
0010	IH 43 NB	1193'NB'+03	-	1193'NB'+86	LT	-	-	-	344	MEDIAN TURNAROUND
0010	IH 43 NB	1298'NB'+15	-	1298'NB'+72	LT	-	-	-	221	MEDIAN TURNAROUND
0010	IH 43 NB	1361'NB'+95	-	1362'NB'+63	LT	-	-	-	223	MEDIAN TURNAROUND
0010	IH 43 NB	1437'NB'+28	-	1437'NB'+95	LT	-	-	-	237	MEDIAN TURNAROUND
0010	IH 43 NB	1469'NB'+86	-	1469'NB'+88	LT/RT	-	-	12	-	
0010	IH 43 NB	1469'NB'+03	-	1469'NB'+48	RT	-	10	-	-	
0010	IH 43 NB	1469'NB'+40	-	1469'NB'+85	LT	-	10	-	-	
0010	IH 43 NB	1472'NB'+02	-	1472'NB'+04	LT/RT	-	-	12	-	
0010	IH 43 NB	1508'NB'+63	-	1509'NB'+22	LT	-	-	-	230	MEDIAN TURNAROUND
0010	IH 43 NB	1603'NB'+60	-	1604'NB'+05	RT	-	10	-	-	
0010	IH 43 NB	1604'NB'+09	-	1604'NB'+54	LT	-	10	-	-	
0010	IH 43 NB	1604'NB'+56	-	1604'NB'+58	LT/RT	-	-	13	-	
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT/RT	-	-	-	200,644	SB MAINLINE & SHOULDERS
0010	IH 43 SB	1167'SB'+64	-	1167'SB'+66	LT/RT	-	-	13	-	
0010	IH 43 SB	1167'SB'+71	-	1168'SB'+16	LT	-	10	-	-	
0010	IH 43 SB	1167'SB'+71	-	1168'SB'+16	RT	-	10	-	-	
0010	IH 43 SB	1470'SB'+05	-	1470'SB'+25	RT	-	7		-	
0010	IH 43 SB	1470'SB'+39	-	1470'SB'+41	LT/RT	-	-	12	-	
0010	IH 43 SB	1472'SB'+54	-	1472'SB'+56	LT/RT	-	-	12	-	
0010	IH 43 SB	1604'SB'+94	-	1605'SB'+09	RT	-	5	-	-	
0010	IH 43 SB	1605'SB'+21	-	1605'SB'+23	LT/RT	-	-	13	-	
0010	IH 43 SB	1605'SB'+29	-	1605'SB'+44	LT	-	5	-	-	
0010	STH 310 NE RAMP	10'TNE'+37	-	10'TNE'+39	LT/RT	-	-	19	-	
0010	STH 310 NW RAMP	10'TNW'+38	-	10'TNW'+40	LT/RT	-	-	10	-	
0010	STH 310 NE RAMP	10'TNE'+37	-	21'TNE'+46	LT/RT	-	-	-	3,408	RAMP & SHOULDERS
0010	STH 310 NW RAMP	10'TNW'+38	-	24'TNW'+12	LT/RT	-	-	-	4,655	RAMP & SHOULDERS
0010	CTH V SE RAMP	19'VSE'+96	-	20'VSE'+49	LT/RT	192	-	-	-	
0010	CTH V SW RAMP	21'VSW'+65	-	22'VSW'+15	LT/RT	150	-	-	-	
0010	CTH V NE RAMP	10'VNE'+75	-	11'VNE'+25	LT/RT	150	-	-	-	
0010	CTH V NW RAMP	10'VNW'+95	-	11'VNW'+45	LT/RT	207	-	-	-	
0010	CTH K SE RAMP	20'KSE'+42	-	20'KSE'+92	LT/RT	188	-	-	-	
				PROJECT SUBTOTAL		**887**	**87**	**129**	**412,165**	

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REMOVING CURB & GUTTER

CATEGORY	ROADWAY	STATION	OFFSET	204.0150 REMOVING CURB & GUTTER LF
0010	IH 43 NB	1167'NB'+73	RT	8
0010	IH 43 NB	1167'NB'+73	LT	8
0010	IH 43 NB	1469'NB'+44	RT	8
0010	IH 43 NB	1469'NB'+81	LT	8
0010	IH 43 NB	1604'NB'+01	RT	8
0010	IH 43 NB	1604'NB'+49	LT	8
0010	IH 43 SB	1167'SB'+75	RT	8
0010	IH 43 SB	1167'SB'+75	LT	8
0010	IH 43 SB	1470'SB'+18	RT	10
0010	IH 43 SB	1605'SB'+03	RT	8
0010	IH 43 SB	1605'SB'+51	LT	8
0010	ROCKWOOD RD	16'RK'+03	RT	8
0010	ROCKWOOD RD	16'RK'+03	LT	8
0010	REIFS MILLS RD	16'RM'+94	RT	8
0010	REIFS MILLS RD	16'RM'+94	LT	8
0010	POLIFKA RD	18'PO'+98	LT	8
0010	POLIFKA RD	19'PO'+28	RT	8
0010	FISHERVILLE RD	18'FI'+63	LT	8
0010	FISHERVILLE RD	18'FI'+71	RT	8
0010	GREENSTREET RD	20'GR'+59	LT	8
0010	GREENSTREET RD	20'GR'+78	RT	8
			PROJECT TOTAL	**170**

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
0010	CTH K SW RAMP	23'KSW'+51	-	24'KSW'+01	LT/RT	151	-	-	-
0010	CTH K NE RAMP	10'KNE'+61	-	11'KNE'+11	LT/RT	150	-	-	-
0010	CTH K NW RAMP	10'KNW'+75	-	11'KNW'+25	LT/RT	185	-	-	-
0010	ROCKWOOD RD	15'RK'+98	-	16'RK'+87	LT	-	22	-	-
0010	ROCKWOOD RD	15'RK'+98	-	16'RK'+84	RT	-	22	-	-
0010	REIFS MILLS RD	16'RM'+88	-	17'RM'+59	LT	-	18	-	-
0010	REIFS MILLS RD	16'RM'+88	-	17'RM'+53	RT	-	13	-	-
0010	POLIFKA RD	18'PO'+83	-	19'PO'+51	LT	-	14	-	-
0010	POLIFKA RD	19'PO'+22	-	19'PO'+90	RT	-	18	-	-
0010	FISHERVILLE RD	18'FI'+04	-	18'FI'+70	LT	-	12	-	-
0010	FISHERVILLE RD	18'FI'+04	-	18'FI'+79	RT	-	23	-	-
0010	GREENSTREET RD	20'GR'+53	-	21'GR'+25	LT	-	19	-	-
0010	GREENSTREET RD	20'GR'+73	-	21'GR'+41	RT	-	15	-	-
					PROJECT SUBTOTAL	**486**	**176**	**0**	**0**
					PROJECT TOTAL	**1,373**	**263**	**129**	**412,165**

REMOVING FENCE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0170 REMOVING FENCE LF
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	RT	43,461
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT	43,971
					PROJECT TOTAL	**87,432**

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REMOVING GUARDRAIL

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0165 REMOVING GUARDRAIL LF
0010	IH 43 NB	1218'NB'+38	-	1220'NB'+06	LT	350
0010	IH 43 NB	1271'NB'+55	-	1273'NB'+23	LT	352
0010	IH 43 NB	1324'NB'+57	-	1326'NB'+50	LT	400
0010	IH 43 NB	1337'NB'+55	-	1353'NB'+67	RT	1,632
0010	IH 43 NB	1393'NB'+86	-	1395'NB'+66	LT	376
0010	IH 43 NB	1462'NB'+27	-	1469'NB'+49	RT	722
0010	IH 43 NB	1466'NB'+30	-	1469'NB'+89	LT	359
0010	IH 43 NB	1471'NB'+85	-	1475'NB'+95	RT	411
0010	IH 43 NB	1532'NB'+81	-	1534'NB'+49	LT	351
0010	IH 43 NB	1579'NB'+57	-	1581'NB'+26	LT	350
0010	IH 43 NB	1599'NB'+85	-	1605'NB'+10	RT	425
0010	IH 43 NB	1601'NB'+22	-	1604'NB'+55	LT	333
0010	IH 43 SB	1167'SB'+71	-	1171'SB'+44	RT	373
0010	IH 43 SB	1167'SB'+68	-	1172'SB'+59	LT	490
0010	IH 43 SB	1472'SB'+64	-	1476'SB'+22	RT	358
0010	IH 43 SB	1472'SB'+91	-	1481'SB'+47	LT	856
0010	ROCKWOOD RD	12'RK'+01	-	13'RK'+25	RT	123
0010	ROCKWOOD RD	12'RK'+01	-	13'RK'+25	LT	124
0010	ROCKWOOD RD	15'RK'+98	-	17'RK'+22	LT	125
0010	ROCKWOOD RD	15'RK'+98	-	17'RK+22	RT	125
0010	REIFS MILLS RD	13'RM'+07	-	14'RM'+33	LT	126
0010	REIFS MILLS RD	13'RM'+09	-	14'RM'+34	RT	125
0010	REIFS MILLS RD	16'RM'+88	-	18'RM'+15	RT	126
0010	REIFS MILLS RD	16'RM'+88	-	18'RM'+15	LT	127
0010	POLIFKA RD	13'PO'+24	-	14'PO'+50	LT	127
0010	POLIFKA RD	13'PO'+76	-	15'PO'+00	RT	124
0010	POLIFKA RD	18'PO'+82	-	21'PO'+51	LT	328
0010	POLIFKA RD	19'PO'+21	-	25'PO'+50	RT	628
0010	POLIFKA RD	21'PO'+75	-	25'PO'+01	LT	354
0010	FISHERVILLE RD	14'FI'+02	-	18'FI'+79	RT	478
0010	FISHERVILLE RD	14'FI'+93	-	18'FI'+70	LT	377
0010	FISHERVILLE RD	21'FI'+38	-	28'FI'+59	LT	721
0010	FISHERVILLE RD	21'FI'+48	-	28'FI'+77	RT	729
0010	GREENSTREET RD	13'GR'+96	-	17'GR'+84	RT	388
0010	GREENSTREET RD	14'GR'+02	-	17'GR'+64	LT	362
0010	GREENSTREET RD	20'GR'+53	-	25'GR'+65	LT	512
0010	GREENSTREET RD	20'GR'+75	-	25'GR'+61	RT	486
					PROJECT TOTAL	**14,753**

REMOVING INLETS & ABANDONING SEWER

CATEGORY	ROADWAY	STATION	OFFSET	204.0220 REMOVING INLETS EACH	204.0291.S ABANDONING SEWER CY
0010	IH 43 NB	1167'NB'+73	RT	1	0.6
0010	IH 43 NB	1167'NB'+73	LT	1	0.6
0010	IH 43 NB	1469'NB'+44	RT	1	0.7
0010	IH 43 NB	1469'NB'+81	LT	1	1.5
0010	IH 43 NB	1604'NB'+01	RT	1	0.9
0010	IH 43 NB	1604'NB'+49	LT	1	1.9
0010	IH 43 SB	1167'SB'+75	RT	1	0.6
0010	IH 43 SB	1167'SB'+75	LT	1	0.6
0010	IH 43 SB	1470'SB'+18	RT	2	1.5
0010	IH 43 SB	1605'SB'+03	RT	1	1.9
0010	IH 43 SB	1605'SB'+51	LT	1	0.9
0010	ROCKWOOD RD	16'RK'+03	RT	1	0.8
0010	ROCKWOOD RD	16'RK'+03	LT	1	0.7
0010	REIFS MILLS RD	16'RM'+94	RT	1	0.9
0010	REIFS MILLS RD	16'RM'+94	LT	1	0.9
0010	POLIFKA RD	18'PO'+88	LT	1	1.8
0010	POLIFKA RD	19'PO'+28	RT	1	1.8
0010	FISHERVILLE RD	18'FI'+63	LT	1	1.8
0010	FISHERVILLE RD	18'FI'+71	RT	1	1.8
0010	GREENSTREET RD	20'GR'+59	LT	1	1.8
0010	GREENSTREET RD	20'GR'+78	RT	1	1.0
			PROJECT TOTAL	**22**	**25**

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REMOVING APRON ENDWALL

CATEGORY	ROADWAY	STATION	OFFSET	204.9060.S REMOVING APRON ENDWALL EACH
0010	IH 43 NB	1324'NB'+23	LT	1
0010	IH 43 NB	1396'NB'+51	RT	1
0010	IH 43 NB	1532'NB'+30	RT	1
0010	IH 43 NB	1532'NB'+31	LT	1
0010	IH 43 NB	1545'NB'+66	RT	1
0010	IH 43 SB	1220'SB'+65	LT	1
0010	CTH V SW RAMP	14'VSW'+90	LT & RT	4
0010	CTH V SE RAMP	13'VSE'+08	RT	1
		PROJECT TOTAL		**11**

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	1167'NB'+62	-	1604'NB'+58	LT/RT	5,550	80	56.3
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT/RT	5,546	40	55.9
0010	STH 310 NE RAMP	10'TNE'+00	-	25'TNE'+24	LT/RT	85	-	0.9
0010	STH 310 NW RAMP	10'TNW'+00	-	24'TNW'+12	LT/RT	89	-	0.9
0010	CTH V SE RAMP	10'VSE'+00	-	21'VSE'+31	LT/RT	97	-	1.0
0010	CTH V SW RAMP	10'VSW'+00	-	22'VSW'+84	LT/RT	80	-	0.8
0010	CTH V NE RAMP	10'VNE'+00	-	24'VNE'+88	LT/RT	85	-	0.9
0010	CTH V NW RAMP	10'VNW'+00	-	25'VNW'+57	LT/RT	95	-	1.0
0010	CTH K SE RAMP	10'KSE'+00	-	21'KSE'+67	LT/RT	100	-	1.0
0010	CTH K SW RAMP	10'KSW'+00	-	24'KSW'+62	LT/RT	97	-	1.0
0010	CTH K NE RAMP	10'KNE'+00	-	23'KNE'+61	LT/RT	89	-	0.9
0010	CTH K NW RAMP	10'KNW'+00	-	18'KNW'+86	LT/RT	88	-	0.9
0010	ROCKWOOD RD	11'RK'+20	-	13'RK'+25	LT	30	-	0.3
0010	ROCKWOOD RD	11'RK'+46	-	13'RK'+25	RT	25	-	0.3
0010	ROCKWOOD RD	15'RK'+98	-	18'RK'+03	RT	65	16	0.8
0010	ROCKWOOD RD	15'RK'+98	-	18'RK'+10	LT	90	16	1.1
0010	REIFS MILLS RD	12'RM'+19	-	14'RM'+33	RT	90	-	0.9
0010	REIFS MILLS RD	12'RM'+34	-	14'RM'+33	LT	30	-	0.3
0010	REIFS MILLS RD	16'RM'+88	-	18'RM'+87	RT	40	16	0.6
0010	REIFS MILLS RD	16'RM'+88	-	18'RM'+91	LT	50	16	0.7
0010	POLIFKA RD	13'PO'+07	-	15'PO'+00	RT	45	-	0.5
0010	POLIFKA RD	13'PO'+10	-	14'PO'+50	LT	25	-	0.3
0010	POLIFKA RD	18'PO'+82	-	21'PO'+50	LT	60	16	0.8
0010	POLIFKA RD	19'PO'+21	-	26'PO'+75	RT	175	16	1.9
0010	POLIFKA RD	21'PO'+90	-	25'PO'+10	LT	65	-	0.7
0010	HILLSIDE LN	10'HI'+41	-	11'HI'+16	LT	15	-	0.2
0010	HILLSIDE LN	10'HI'+41	-	11'HI'+23	RT	20	-	0.2
0010	FISHERVILLE RD	13'FI'+36	-	18'FI'+79	RT	80	16	1.0
0010	FISHERVILLE RD	14'FI'+26	-	18'FI'+70	LT	80	16	1.0
0010	FISHERVILLE RD	21'FI'+38	-	29'FI'+24	LT	130	-	1.3
0010	FISHERVILLE RD	21'FI'+48	-	29'FI'+48	RT	230	-	2.3
0010	GREENSTREET RD	13'GR'+13	-	17'GR'+82	RT	105	-	1.1
0010	GREENSTREET RD	13'GR'+23	-	17'GR'+63	LT	90	-	0.9
0010	GREENSTREET RD	20'GR'+53	-	26'GR'+50	LT	130	16	1.5
0010	GREENSTREET RD	20'GR'+73	-	26'GR'+34	RT	110	16	1.3
				PROJECT TOTAL		**13,781**	**280**	**141**

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BASE PATCHING CONCRETE

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	390.0303 BASE PATCHING CONCRETE SY	390.0403 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	1167'NB'+62	-	1220'NB'+46	LT/RT	-	-	116	-	4,056	153	288	15	PROJECT LIMITS - MILE 156
0010	IH 43 NB	1220'NB'+46	-	1273'NB'+26	LT/RT	-	-	258	-	3,560	42	459	24	MILE 156 - MILE 157
0010	IH 43 NB	1273'NB'+26	-	1326'NB'+06	LT/RT	7	-	132	-	1,811	28	180	10	MILE 157 - MILE 158
0010	IH 43 NB	1326'NB'+06	-	1378'NB'+86	LT/RT	-	-	121	-	1,260	-	182	10	MILE 158 - MILE 159
0010	IH 43 NB	1378'NB'+86	-	1431'NB'+66	LT/RT	-	-	39	-	1,017	42	53	3	MILE 159 - MILE 160
0010	IH 43 NB	1431'NB'+66	-	1484'NB'+46	LT/RT	3	-	45	-	3,664	194	140	8	MILE 160 - MILE 161
0010	IH 43 NB	1484'NB'+46	-	1537'NB'+26	LT/RT	3	-	168	-	11,465	669	239	13	MILE 161 - MILE 162
0010	IH 43 NB	1537'NB'+26	-	1590'NB'+06	LT/RT	-	-	54	-	5,310	316	117	6	MILE 162 - MILE 163
0010	IH 43 NB	1590'NB'+06	-	1604'NB'+58	LT/RT	4	-	23	-	550	-	110	6	MILE 163 - PROJECT LIMITS
0010	IH 43 SB	1167'SB'+63	-	1220'SB'+44	LT/RT	3	-	112	-	1,420	-	196	10	PROJECT LIMITS - MILE 156
0010	IH 43 SB	1220'SB'+44	-	1273'SB'+26	LT/RT	-	-	168	-	1,956	-	282	15	MILE 156 - MILE 157
0010	IH 43 SB	1273'SB'+26	-	1326'SB'+06	LT/RT	-	-	144	-	1,912	-	271	14	MILE 157 - MILE 158
0010	IH 43 SB	1326'SB'+06	-	1378'SB'+86	LT/RT	3	-	96	-	1,568	43	149	8	MILE 158 - MILE 159
0010	IH 43 SB	1378'SB'+86	-	1431'SB'+66	LT/RT	-	-	63	-	663	-	106	6	MILE 159 - MILE 160
0010	IH 43 SB	1431'SB'+66	-	1484'SB'+46	LT/RT	3	-	132	-	4,447	194	241	13	MILE 160 - MILE 161
0010	IH 43 SB	1484'SB'+46	-	1537'SB'+52	LT/RT	13	-	156	-	1,956	-	272	15	MILE 161 - MILE 162
0010	IH 43 SB	1537'SB'+52	-	1590'SB'+06	LT/RT	5	-	123	-	1,666	-	280	15	MILE 162 - MILE 163
0010	IH 43 SB	1590'SB'+06	-	1605'SB'+23	LT/RT	-	-	18	-	596	-	115	6	MILE 163 - PROJECT LIMITS
0010	STH 310 NE RAMP	10'TNE'+00	-	25'TNE'+24	LT/RT	264	3	168	833	1,169	11	-	-	
0010	STH 310 NW RAMP	10'TNW'+00	-	24'TNW'+12	LT/RT	209	3	132	660	924	8	-	-	
0010	CTH V SE RAMP	10'VSE'+00	-	21'VSE'+31	LT/RT	152	2	50	300	476	6	-	-	
0010	CTH V SW RAMP	10'VSW'+00	-	22'VSW'+84	LT/RT	222	3	112	570	831	9	-	-	
0010	CTH V	16'V'+00	-	24'V'+00	LT/RT	124	2	78	342	512	5	-	-	
0010	CTH V NE RAMP	10'VNE'+00	-	24'VNE'+88	LT/RT	137	2	57	360	538	5	-	-	
0010	CTH V NW RAMP	10'VNW'+00	-	25'VNW'+57	LT/RT	170	2	83	240	462	7	-	-	
0010	CTH K SE RAMP	10'KSE'+00	-	21'KSE'+67	LT/RT	231	3	123	690	976	9	-	-	
0010	CTH K SW RAMP	10'KSW'+00	-	24'KSW'+62	LT/RT	362	5	216	1,110	1,574	14	-	-	
0010	CTH K	18'K'+00	-	28'K'+00	LT/RT	471	6	340	1,160	1,909	19	-	-	
0010	CTH K NE RAMP	10'KNE'+00	-	23'KNE'+61	LT/RT	164	2	78	420	630	7	-	-	
0010	CTH K NW RAMP	10'KNW'+00	-	18'KNW'+86	LT/RT	351	5	206	1,174	1,510	13	-	-	
0010		UNDISTRIBUTED				435	6	542	1,179	9,058	269	552	29	
					PROJECT SUBTOTAL	**3,336**	**44**	**4,153**	**9,038**	**69,446**	**2,063**	**4,232**	**226**	
					PROJECT TOTAL	**3,336**	**44**	**4,153**	**9,038**	***70,077**	**2,063**	**4,232**	**226**	

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

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CONCRETE SURFACE DRAINS

CATEGORY	ROADWAY	STATION	OFFSET	416.1010 CONCRETE SURFACE DRAINS CY
0010	IH 43 NB	1167'NB'+85	LT	0.35
0010	IH 43 NB	1167'NB'+85	RT	0.35
0010	IH 43 NB	1469'NB'+06	RT	0.35
0010	IH 43 NB	1469'NB'+43	LT	0.35
0010	IH 43 NB	1603'NB'+62	RT	0.35
0010	IH 43 NB	1604'NB'+11	LT	0.35
0010	IH 43 SB	1168'SB'+13	LT	0.35
0010	IH 43 SB	1168'SB'+14	LT	0.35
0010	IH 43 SB	1470'SB'+05	RT	0.35
0010	IH 43 SB	1604'SB'+96	RT	0.35
0010	IH 43 SB	1605'SB'+44	LT	0.35
0010	ROCKWOOD RD	16'RK'+17	RT	0.25
0010	ROCKWOOD RD	16'RK'+17	LT	0.25
0010	REIFS MILLS RD	17'RM'+07	LT	0.25
0010	REIFS MILLS RD	17'RM'+07	RT	0.25
0010	POLIFKA RD	19'PO'+02	LT	0.25
0010	POLIFKA RD	19'PO'+41	RT	0.25
0010	FISHERVILLE RD	18'FI'+51	LT	0.25
0010	FISHERVILLE RD	18'FI'+60	RT	0.25
0010	GREENSTREET RD	20'GR'+72	LT	0.25
0010	GREENSTREET RD	20'GR'+73	RT	0.25
			PROJECT TOTAL	**6.4**

ASPHALTIC SHOULDER RUMBLE STRIPS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	LT/RT	83,943
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT/RT	84,352
					PROJECT TOTAL	**168,295**

DRAINAGE ITEMS

CATEGORY	ROADWAY	STATION	OFFSET	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	633.5200 MARKERS CULVERT END EACH
0010	IH 43 NB	1234'NB'+28	LT	1	-	-	-	-
0010	IH 43 NB	1324'NB'+23	LT	-	-	1	-	1
0010	IH 43 NB	1387'NB'+18	LT	1	-	-	-	-
0010	IH 43 NB	1396'NB'+51	RT	-	-	1	-	1
0010	IH 43 NB	1532'NB'+30	RT	-	-	1	-	1
0010	IH 43 NB	1532'NB'+31	LT	1	6	1	-	1
0010	IH 43 NB	1545'NB'+66	RT	-	-	1	-	1
0010	IH 43 SB	1220'SB'+65	LT	-	-	1	-	1
0010	CTH V SW RAMP	14'VSW'+90	LT & RT	-	-	-	4	4
0010	CTH V SE RAMP	13'VSE'+08	RT	-	-	1	-	1
			PROJECT TOTAL	**3**	**6**	**7**	**4**	**11**

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HMA ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0126.S REMOVING ASPHALTIC LONGITUDINAL NOTCHED WEDGE JOINT MILLING LF	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.0105.S HMA PAVEMENT PWL TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PAVEMENT PWL TEST STRIP DENSITY EACH	460.0115.S HMA PAVEMENT TEST STRIP VOLUMETRICS EACH	460.0120.S HMA PAVEMENT TEST STRIP DENSITY EACH	HMA PAVEMENT 4 SMA 58-28 V 460.8624 TON	HMA PAVEMENT 4 SMA 58-28 V INCENTIVE DENSITY HMA TON*	HMA PAVEMENT 4 LT 58-28 S 460.5224 TON	HMA PAVEMENT 4 LT 58-28 S INCENTIVE DENSITY HMA TON*	HMA PAVEMENT 4 HT 58-28 S 460.7224 TON	HMA PAVEMENT 4 HT 58-28 S INCENTIVE DENSITY PWL TON**	HMA PAVEMENT 4 HT 58-28 S INCENTIVE AIR VOIDS TON***	HMA PAVEMENT 4 HT 58-28 S INCENTIVE DENSITY HMA PAVEMENT LONGITUDINAL JOINTS LF****	REMARKS
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	LT/RT	43,484	1,500	14,997	1	1	1	1	12,247	12,247	-	-	13,495	13,495	13,495	43,696	MAINLINE
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	LT/RT	-	500	9,268	-	-	-	-	2,841	2,841	9,939	9,939	3,131	-	3,131	-	SHOULDERS
0010	IH 43 NB	1193'NB'+03	-	1193'NB'+86	LT	-	-	41	-	-	-	-	-	-	71	71	-	-	-	-	MEDIAN
0010	IH 43 NB	1298'NB'+15	-	1298'NB'+72	LT	-	-	27	-	-	-	-	-	-	46	46	-	-	-	-	MEDIAN
0010	IH 43 NB	1361'NB'+95	-	1362'NB'+63	LT	-	-	27	-	-	-	-	-	-	46	46	-	-	-	-	MEDIAN
0010	IH 43 NB	1437'NB'+28	-	1437'NB'+95	LT	-	-	28	-	-	-	-	-	-	49	49	-	-	-	-	MEDIAN
0010	IH 43 NB	1508'NB'+63	-	1509'NB'+22	LT	-	-	28	-	-	-	-	-	-	47	47	-	-	-	-	MEDIAN
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT/RT	43,548	1,500	11,387	-	-	-	-	12,144	12,144	-	-	13,383	13,383	13,383	43,760	MAINLINE
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT/RT	-	500	12,821	-	-	-	-	2,845	2,845	10,050	10,050	3,135	-	3,135	-	SHOULDERS
0010	STH 310 NE RAMP	10'TNE'+37	-	21'TNE'+46	LT/RT	-	-	140	-	-	-	-	-	-	-	-	244	-	244	-	MAINLINE
0010	STH 310 NE RAMP	10'TNE'+37	-	21'TNE'+46	LT/RT	-	-	99	-	-	-	-	-	-	172	172	-	-	-	-	SHOULDERS
0010	STH 310 NW RAMP	10'TNW'+38	-	24'TNW'+12	LT/RT	-	-	148	-	-	-	-	-	-	-	-	257	-	257	-	MAINLINE
0010	STH 310 NW RAMP	10'TNW'+38	-	24'TNW'+12	LT/RT	-	-	103	-	-	-	-	-	-	178	178	-	-	-	-	SHOULDERS
0010	CTH V SE RAMP	10'VSE'+00	-	20'VSE'+49	LT/RT	-	-	126	-	-	-	-	-	-	-	-	220	-	220	-	MAINLINE
0010	CTH V SE RAMP	10'VSE'+00	-	20'VSE'+49	LT/RT	-	-	95	-	-	-	-	-	-	166	166	-	-	-	-	SHOULDERS
0010	CTH V SW RAMP	10'VSW'+00	-	22'VSW'+15	LT/RT	-	-	96	-	-	-	-	-	-	-	-	167	-	167	-	MAINLINE
0010	CTH V SW RAMP	10'VSW'+00	-	22'VSW'+15	LT/RT	-	-	77	-	-	-	-	-	-	134	134	-	-	-	-	SHOULDERS
0010	CTH V NE RAMP	10'VNE'+74	-	21'VNE"+73	LT/RT	-	-	105	-	-	-	-	-	-	-	-	183	-	183	-	MAINLINE
0010	CTH V NE RAMP	10'VNE'+74	-	21'VNE"+73	LT/RT	-	-	84	-	-	-	-	-	-	147	147	-	-	-	-	SHOULDERS
0010	CTH V NW RAMP	10'VNW'+95	-	23'VNW'+29	LT/RT	-	-	130	-	-	-	-	-	-	-	-	227	-	227	-	MAINLINE
0010	CTH V NW RAMP	10'VNW'+95	-	23'VNW'+29	LT/RT	-	-	94	-	-	-	-	-	-	163	163	-	-	-	-	SHOULDERS
0010	CTH K SE RAMP	10'KSE'+00	-	20'KSE'+92	LT/RT	-	-	140	-	-	-	-	-	-	-	-	244	-	244	-	MAINLINE
0010	CTH K SE RAMP	10'KSE'+00	-	20'KSE'+92	LT/RT	-	-	104	-	-	-	-	-	-	180	180	-	-	-	-	SHOULDERS
0010	CTH K SW RAMP	11'KSW+53	-	24'KSW'+02	LT/RT	-	-	122	-	-	-	-	-	-	-	-	213	-	213	-	MAINLINE
0010	CTH K SW RAMP	11'KSW+53	-	24'KSW'+02	LT/RT	-	-	97	-	-	-	-	-	-	170	170	-	-	-	-	SHOULDERS
0010	CTH K NE RAMP	10'KNE'+61	-	22'KNE'+11	LT/RT	-	-	111	-	-	-	-	-	-	-	-	193	-	193	-	MAINLINE
0010	CTH K NE RAMP	10'KNE'+61	-	22'KNE'+11	LT/RT	-	-	88	-	-	-	-	-	-	155	155	-	-	-	-	SHOULDERS
0010	CTH K NW RAMP	10'KNW'+75	-	18'KNW'+86	LT/RT	-	-	120	-	-	-	-	-	-	-	-	209	-	209	-	MAINLINE
0010	CTH K NW RAMP	10'KNW'+75	-	18'KNW'+86	LT/RT	-	-	89	-	-	-	-	-	-	154	154	-	-	-	-	SHOULDERS
					PROJECT TOTAL	**87,032**	**4,000**	**50,792**	**1**	**1**	**1**	**1**	**30,077**	**30,077**	**21,867**	**21,867**	**35,301**	**26,878**	**35,301**	**87,456**	

* 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.

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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	1167'NB'+75		1167'NB'+85	LT	10	-
0010	IH 43 NB	1167'NB'+75		1167'NB'+85	RT	10	-
0010	IH 43 NB	1469'NB'+03	-	1469'NB'+48	RT	-	45
0010	IH 43 NB	1469'NB'+40	-	1469'NB'+85	LT	-	45
0010	IH 43 NB	1603'NB'+60	-	1604'NB'+05	RT	-	45
0010	IH 43 NB	1604'NB'+09	-	1604'NB'+54	LT	-	45
0010	IH 43 SB	1167'SB'+71	-	1168'SB'+16	LT	-	45
0010	IH 43 SB	1167'SB'+71	-	1168'SB'+16	RT	-	45
0010	IH 43 SB	1470'SB'+05	-	1470'SB'+15	RT	10	-
0010	IH 43 SB	1604'SB'+96	-	1605'SB'+06	RT	10	-
0010	IH 43 SB	1605'SB'+44	-	1605'SB'+54	LT	10	-
0010	ROCKWOOD RD	15'RK'+98	-	16'RK'+21	LT	-	23
0010	ROCKWOOD RD	15'RK'+98	-	16'RK'+21	RT	-	23
0010	REIFS MILLS RD	16'RM'+88	-	17'RM'+11	LT	-	23
0010	REIFS MILLS RD	16'RM'+88	-	17'RM'+11	RT	-	23
0010	POLIFKA RD	18'PO'+83	-	19'PO'+05	LT	-	23
0010	POLIFKA RD	19'PO'+22	-	19'PO'+44	RT	-	23
0010	FISHERVILLE RD	18'FI'+48	-	18+70.0	LT	-	23
0010	FISHERVILLE RD	18'FI'+57	-	18+79.4	RT	-	23
0010	GREENSTREET RD	20'GR'+53	-	20+75.8	LT	-	23
0010	GREENSTREET RD	20'GR'+73	-	20+95.8	RT	-	23
					PROJECT TOTAL	**50**	**500**

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	1167'NB'+85	LT	0.65	4
0010	IH 43 NB	1167'NB'+85	RT	0.65	4
0010	IH 43 NB	1288'NB'+65	RT	0.65	4
0010	IH 43 NB	1469'NB'+06	RT	0.65	4
0010	IH 43 NB	1469'NB'+43	LT	0.65	4
0010	IH 43 NB	1508'NB'+71	RT	0.65	4
0010	IH 43 NB	1603'NB'+62	RT	0.65	4
0010	IH 43 NB	1604'NB'+11	LT	0.65	4
0010	IH 43 SB	1168'SB'+13	LT	0.65	4
0010	IH 43 SB	1168'SB'+14	RT	0.65	4
0010	IH 43 SB	1362'SB'+65	LT	0.65	4
0010	IH 43 SB	1470'SB'+05	RT	0.65	4
0010	IH 43 SB	1604'SB'+96	RT	0.65	4
0010	IH 43 SB	1605'SB'+44	LT	0.65	4
0010	ROCKWOOD RD	16'RK'+17	RT	0.60	4
0010	ROCKWOOD RD	16'RK'+17	LT	0.60	4
0010	REIFS MILLS RD	17'RM'+07	LT	0.60	4
0010	REIFS MILLS RD	17'RM'+07	RT	0.60	4
0010	POLIFKA RD	19'PO'+02	LT	0.60	4
0010	POLIFKA RD	19'PO'+41	RT	0.60	4
0010	FISHERVILLE RD	18'FI'+51	LT	0.60	4
0010	FISHERVILLE RD	18'FI'+60	RT	0.60	4
0010	GREENSTREET RD	20'GR'+72	LT	0.60	4
0010	GREENSTREET RD	20'GR'+73	RT	0.60	4
			PROJECT TOTAL	**15.10**	**96**

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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	1322'NB'+43	-	1328'NB'+69	LT	1	3,310	85	205	75	3,310	2.1	65
0010	IH 43 NB	1530'NB'+69	-	1536'NB'+68	LT	1	3,170	30	115	75	3,170	2.0	60
0010		UNDISTRIBUTED				-	1,620	-	-	-	-	-	-
					PROJECT SUBTOTAL	2	8,100	**	**	**	**	**	**
					PROJECT TOTAL	2	***8,365	**	**	**	**	**	**

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

FENCE WOVEN WIRE 4-FT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	616.0100 FENCE WOVEN WIRE 4-FT LF
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	RT	43,461
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	LT	43,971
					PROJECT TOTAL	**87,432**

MOBILIZATIONS EROSION CONTROL

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	1227-12-71	16	8
	PROJECT TOTAL	**16**	**8**

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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	1218'NB'+33	-	1220'NB'+02	LT	2	125	-	-	-	-	-	-	-
0010	IH 43 NB	1324'NB'+57	-	1326'NB'+51	LT	2	175	-	-	-	-	-	-	-
0010	IH 43 NB	1271'NB'+49	-	1273'NB'+18	LT	2	125	-	-	-	-	-	-	-
0010	IH 43 NB	1337'NB'+62	-	1353'NB'+70	RT	-	-	1,575	-	-	-	1	1	-
0010	IH 43 NB	1393'NB'+82	-	1395'NB'+63	LT	2	150	-	-	-	-	-	-	-
0010	IH 43 NB	1466'NB'+30	-	1469'NB'+85	LT	-	-	263	-	-	39	1	-	-
0010	IH 43 NB	1462'NB'+31	-	1469'NB'+48	RT	-	-	625	-	-	39	1	-	-
0010	IH 43 NB	1471'NB'+84		1475'NB'+91	RT	-	-	400	-	-	8	-	1	-
0010	IH 43 NB	1532'NB'+77	-	1534'NB'+46	LT	2	125	-	-	-	-	-	-	-
0010	IH 43 NB	1579'NB'+60	-	1581'NB'+30	LT	2	125	-	-	-	-	-	-	-
0010	IH 43 NB	1599'NB'+87	-	1604'NB'+05	RT	-	-	325	-	-	39	1	-	-
0010	IH 43 NB	1601'NB'+24	-	1604'NB'+54	LT	-	-	238	-	-	39	1	-	-
0010	IH 43 SB	1167'SB'+71	-	1171'SB'+39	RT	-	-	275	-	-	39	1	-	-
0010	IH 43 SB	1167'SB'+71	-	1172'SB'+48	LT	-	-	388	-	-	39	1	-	-
0010	IH 43 SB	1472'SB'+60	-	1476'SB'+15	RT	-	-	263	-	-	39	1	-	-
0010	IH 43 SB	1472'SB'+97	-	1481'SB'+39	LT	-	-	750	-	-	39	1	-	-
0010	ROCKWOOD RD	11'RK'+70	-	13'RK'+25	RT	-	-	63	-	-	39	1	-	-
0010	ROCKWOOD RD	12'RK'+07	-	13'RK'+25	LT	-	-	25	-	-	39	1	-	-
0010	ROCKWOOD RD	15'RK'+98	-	17'RK'+28	RT	-	-	-	38	-	39	1	-	-
0010	ROCKWOOD RD	15'RK'+98	-	17'RK'+28	LT	-	-	-	38	-	39	1	-	-
0010	REIFS MILLS RD	13'RM'+03	-	14'RM'+33	LT	-	-	-	38	-	39	1	-	-
0010	REIFS MILLS RD	13'RM'+03	-	14'RM'+33	RT	-	-	-	38	-	39	1	-	-
0010	REIFS MILLS RD	16'RM'+88	-	18'RM'+18	LT	-	-	-	38	-	39	1	-	-
0010	REIFS MILLS RD	16'RM'+88	-	18'RM'+18	RT	-	-	-	38	-	39	1	-	-
0010	POLIFKA RD	13'PO'+58	-	14'PO'+50	LT	-	-	-	-	-	39	1	-	-
0010	POLIFKA RD	13'PO'+70	-	15'PO'+00	RT	-	-	-	38	-	39	1	-	-
0010	POLIFKA RD	18'PO'+83	-	21'PO'+09	LT	-	-	-	188	-	39	-	-	-
0010	POLIFKA RD	19'PO'+22	-	26'PO'+02	RT	-	-	-	588	-	39	1	-	-
0010	POLIFKA RD	22'PO'+60	-	24'PO'+94	LT	-	-	-	188	-	-	1	-	-
0010	HILLSIDE LN	10'HI'+20	-	11'HI'+07	LT	-	-	-	-	79	-	-	-	1
0010	HILLSIDE LN	10'HI'+14	-	11'HI'+03	RT	-	-	-	-	105	-	-	-	1
0010	FISHERVILLE RD	14'FI'+12	-	18'FI'+79	RT	-	-	-	375	-	39	1	-	-
0010	FISHERVILLE RD	15'FI'+03	-	18'FI'+70	LT	-	-	-	275	-	39	1	-	-
0010	FISHERVILLE RD	21'FI'+39	-	28'FI'+56	LT	-	-	-	625	-	39	1	-	-
0010	FISHERVILLE RD	21'FI'+48	-	28'FI'+66	RT	-	-	-	625	-	39	1	-	-
0010	GREENSTREET RD	13'GR'+90	-	17'GR'+82	RT	-	-	-	300	-	39	1	-	-
0010	GREENSTREET RD	13'GR'+96	-	17'GR'+63	LT	-	-	-	275	-	39	1	-	-
0010	GREENSTREET RD	20'GR'+53	-	25'GR'+71	LT	-	-	-	425	-	39	1	-	-
0010	GREENSTREET RD	20'GR'+73	-	25'GR'+68	RT	-	-	-	400	-	39	1	-	-
					PROJECT TOTAL	**12**	**825**	**5,188**	**4,525**	**184**	**1,111**	**29**	**2**	**2**

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EROSION CONTROL SUMMARY

CATEGORY	ROADWAY	STATION	OFFSET	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
0010	IH 43 NB	1322'NB'+43	LT	30	-	10
0010	IH 43 NB	1530'NB'+69	LT	30	-	10
0010	IH 43 NB	1532'NB'+31	LT	-	3	-
0010	UNDISTRIBUTED			20	2	5
			PROJECT TOTAL	80	5	25

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FIELD OFFICE

CATEGORY	PROJECT	642.5201 FIELD OFFICE TYPE C EACH
0010	1227-12-71	1
	PROJECT TOTAL	**1**

RESTORATION SUMMARY

CATEGORY	ROADWAY	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	1167'NB'+85	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1167'NB'+85	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1234'NB'+28	LT	10	10	0.3	0.3	MEDIAN INLET
0010	IH 43 NB	1288'NB'+65	RT	5	5	0.2	0.1	RIPRAP AREA
0010	IH 43 NB	1387'NB'+18	LT	10	10	0.3	0.3	MEDIAN INLET
0010	IH 43 NB	1396'NB'+51	RT	10	10	0.3	0.3	ENDWALL
0010	IH 43 NB	1469'NB'+06	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1469'NB'+43	LT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1508'NB'+71	RT	5	5	0.2	0.1	RIPRAP AREA
0010	IH 43 NB	1532'NB'+30	RT	10	10	0.3	0.3	ENDWALL
0010	IH 43 NB	1545'NB'+66	RT	10	10	0.3	0.3	ENDWALL
0010	IH 43 NB	1603'NB'+62	RT	5	5	0.2	0.1	FLUME
0010	IH 43 NB	1604'NB'+11	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1168'SB'+13	LT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1168'SB'+14	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1220'SB'+65	LT	10	10	0.3	0.3	ENDWALL
0010	IH 43 SB	1362'SB'+65	LT	5	5	0.2	0.1	RIPRAP AREA
0010	IH 43 SB	1470'SB'+05	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1604'SB'+96	RT	5	5	0.2	0.1	FLUME
0010	IH 43 SB	1605'SB'+44	LT	5	5	0.2	0.1	FLUME
0010	CTH V SW RAMP	14'VSW'+90	LT	20	20	0.6	0.5	ENDWALL
0010	CTH V SW RAMP	14'VSW'+90	RT	20	20	0.6	0.5	ENDWALL
0010	CTH V SE RAMP	13'VSE'+08	RT	10	10	0.3	0.3	ENDWALL
0010	ROCKWOOD RD	16'RK'+17	RT	5	5	0.2	0.1	FLUME
0010	ROCKWOOD RD	16'RK'+17	LT	5	5	0.2	0.1	FLUME
0010	REIFS MILLS RD	17'RM'+07	LT	5	5	0.2	0.1	FLUME
0010	REIFS MILLS RD	17'RM'+07	RT	5	5	0.2	0.1	FLUME
0010	POLIFKA RD	19'PO'+02	LT	5	5	0.2	0.1	FLUME
0010	POLIFKA RD	19'PO'+41	RT	5	5	0.2	0.1	FLUME
0010	FISHERVILLE RD	18'FI'+51	LT	5	5	0.2	0.1	FLUME
0010	FISHERVILLE RD	18'FI'+60	RT	5	5	0.2	0.1	FLUME
0010	GREENSTREET RD	20'GR'+72	LT	5	5	0.2	0.1	FLUME
0010	GREENSTREET RD	20'GR'+73	RT	5	5	0.2	0.1	FLUME
0010	UNDISTRIBUTED			35	35	1.1	0.9	
			PROJECT SUBTOTAL	**265**	**265**	**8.3**	**7**	
			PROJECT TOTAL	**265**	***8,365**	**8.3**	**7**	

***ADDITIONAL QUANTITIES SHOWN ELSEWHERE**

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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	1167'SB'+63	-	1605'SB'+23	LT	-	-	-	26
0010	IH 43 SB	1213'SB'+84	-	1218'SB'+85	LT	127	127	127	-
0010	IH 43 SB	1219'SB'+77	-	1234'SB'+41	LT	365	365	365	-
0010	IH 43 SB	1257'SB'+61	-	1271'SB'+64	LT	351	351	351	-
0010	IH 43 SB	1362'SB'+98	-	1395'SB'+74	LT	816	816	816	-
0010	IH 43 SB	1397'SB'+71	-	1428'SB'+25	LT	763	763	763	-
0010	IH 43 SB	1447'SB'+18	-	1470'SB'+07	LT	588	588	588	-
0010	IH 43 SB	1489'SB'+33	-	1502'SB'+70	LT	337	337	337	-
0010	IH 43 SB	1566'SB'+17	-	1570'SB'+94	LT	344	344	344	-
0010	IH 43 SB	1582'SB'+14	-	1594'SB'+18	LT	301	301	301	-
0010	STH 310 NW RAMP	10'TNW'+91	-	17'TNW'+61	LT	166	166	166	-
0010	CTH V SW RAMP	17'VSW'+27	-	21'VSW'+25	LT	100	100	100	-
0010	CTH V NW RAMP	11'VNW'+40	-	22'VNW'+01	LT	259	259	259	-
					PROJECT TOTAL	**4,517**	**4,517**	**4,517**	**26**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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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 STH 310	E4-1A	240" X 132"	1	2	220.0	3-W12X26	3.6	540	30	2,348	23.0	25.5	24.3	
2	"	E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 1
3	"	E10-61	144" X 54"	1	2	54.0	2-W6X15	1.6	142	13	627	16.0	16.0		
4	"	E3-1	144" X 84"	1	2	84.0	2-W8X18	1.8	204	15	833	18.5	18.5		
5	IH 43 NB, N. OF STH 310	E8-1	192" X 84"	1	2	112.0	2-W10X22	2.0	302	17	1,005	15.0	18.5		
6	IH 43 SB, N. OF STH 310	E1-1A	228" X 162"	1	2	256.5	3-W12X26	3.6	540	30	2,582	26.0	28.5	27.3	
7	"	E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 6
8	IH 43 NB, S. OF REIFS MILLS RD	E1-1A	216" X 138"	1	2	207.0	2-W12X26	2.4	360	20	1,721	26.0	28.5		
9	"	E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 8
10	IH 43 NB, S. OF CTH V	E4-1A	252" X 114"	1	2	199.5	3-W12X26	2.4	540	20	2,348	23.0	25.5	24.3	
11	"	E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 10
12	IH 43 SB, N. OF CTH V	E4-1A	252" X 114"	1	2	199.5	3-W12X26	2.4	540	20	2,348	23.0	25.5	24.3	
13	"	E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 12
14	IH 43 NB, N. OF CTH V	E8-1	192" X 84"	1	2	112.0	2-W10X22	2.0	302	17	1,005	15.0	18.5		
15	IH 43 SB, S. OF POLIFKA RD	E1-1A	216" X 138"			207.0	2-W12X26	2.4	360	20	1,721	26.0	28.5		
16	"	E1-5P	120" X 30"	1	2	25.0									MOUNT ABOVE SIGN 15
17	IH 43 NB, N. OF POLIFKA RD	E1-1A	192" X 114"	1	2	152.0	2-W12X26	2.4	360	20	1,721	26.0	28.5		
18	"	E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 15
19	IH 43 NB, S. OF CTH K	E4-1A	240" X 90"	1	2	150.0	2-W12X26	2.4	360	20	1,565	23.0	25.5		
20		E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 19
21	IH 43 SB, N. OF CTH K	E4-1A	240" X 90"	1	2	150.0	2-W12X26	2.4	360	20	1,565	23.0	25.5		
22		E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 21
23	IH 43 NB, S. OF FISHERVILLE RD	E8-1	192" X 84"	1	2	112.0	2-W10X22	2.0	302	17	1,005	15.0	18.5		
24	IH 43 SB, N. OF FISHERVILLE RD	E1-1A	192" X 114"	1	2	152.0	2-W12X26	2.4	360	20	1,721	26.0	28.5		
25		E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 24
26	IH 43 NB, S. OF PAUTZ RD	E1-1A	168" X 162"	1	2	189.0	2-W12X26	2.4	360	20	1,721	26.0	28.5		
27		E1-5P	120" X 30"			25.0									MOUNT ABOVE SIGN 26
	PROJECT TOTALS			**16**	**32**	**2831.5**		**38.2**	**5932**	**319**	**25834**				

*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

TRAFFIC CONTROL DETOUR SIGN SUMMARY - STH 310 ON-RAMP TO I-43 NB RAMP CLOSURE

Preliminary

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LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO .OF CYCLES	643.0920 COVERING TYPE II SIGNS EACH	REMARKS
STH 310 ON-RAMP TO I-43 NB									
US 10, W. OF I-43, PLACE 1000' W. OF I-43 SB RAMP INTERSECTION IN MEDIAN	M 3-1	36"X18"	1	12	12				
"	M 1-1	36"X36"	1	12	12				43
"	W 20-2A	48"X48"	1	12	12				
US 10, W. OF I-43, PLACE 1000' W. OF I-43 SB RAMP INTERSECTION ON RIGHT SHOULDER	M 3-1	36"X18"	1	12	12				
"	M 1-1	36"X36"	1	12	12				43
"	W 20-2A	48"X48"	1	12	12				
US 10, BETWEEN RAMP INTERSECTIONS, MODIFY EXISTING J2-2 SIGN AS SHOWN	MO 4-5	36"X18"	1	12	12				
"	MO 6-1	30"X30"	1	12	12				AHEAD
US 10, BETWEEN RAMP INTERSECTIONS, MODIFY EXISTING J2-2 SIGN AS SHOWN	MO 4-5	36"X18"	1	12	12				
"	MO 6-1	30"X30"	1	12	12				AHEAD
US 10, AT I-43 NB, COVER EXISTING D1-70 SIGN AS SHOWN							1	1	COVER ENTIRE SIGN
US 10, AT I-43 NB, COVER EXISTING D1-71 SIGN AS SHOWN							1	1	COVER BOTTOM PORTION OF SIGN
US 10, AT I-43 NB, MODIFY EXISTING J3-1 SIGN AS SHOWN	MO 4-5	24"X12"	1	12	12				
"	MO 6-1	21"X21"	1	12	12				AHEAD
STH 310, E. OF I-43, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-5	36"X18"	1	12	12				
"	M 3-1	36"X18"	1	12	12				
"	M 1-1	36"X36"	1	12	12				43
STH 310, W. OF CTH R, PLACE 750' W. OF CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
"	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	MO 5-1L	21"X21"	1	12	12				
STH 310, AT CTH R, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
"	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	MO 6-1	21"X21"	1	12	12				LEFT
STH 310, AT CTH R, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
"	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	MO 6-1	21"X21"	1	12	12				RIGHT
STH 310, E. OF CTH R, PLACE 750' E. OF CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
"	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	MO 5-1R	21"X21"	1	12	12				
STH 310, E. OF CTH R, PLACE 1000' W. OF CTH R INTERSECTION ON RIGHT SHOULDER	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	W 20-2A	48"X48"	1	12	12				
CTH R, S. OF CTH V, PLACE 750' S. OF CTH V INTERSECTION	MO 4-5	24"X12"	1	12	12				
"	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	MO 5-1L	21"X21"	1	12	12				
CTH R, AT CTH V, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH V INTERSECTION	MO 4-5	24"X12"	1	12	12				
"	M 3-1	24"X12"	1	12	12				
"	M 1-1	24"X24"	1	12	12				43
"	MO 6-1	21"X21"	1	12	12				LEFT
STH 310 ON-RAMP TO I-43 NB, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7			PLACE IN ADVANCE OF CLOSURE
PAGE SUBTOTALS			43		504	7		2	
310 ON-RAMP TO 43 NB CLOSURE TOTALS			**43**		***504**	***7**		***2**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - I-43 SB OFF-RAMP TO STH 310-10 CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	REMARKS
	I-43 SB OFF-RAMP TO STH 310-10							
1	I-43 SB, N. OF STH 310, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN	G 20-60	108"X24"	1	12	12		
2	I-43 SB, AT STH 310, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN AT EXIT	MO 4-5	36"X18"	1	12	12		
	"	M 1-4	36"X36"	1	12	12		10
	"	M 1-6	36"X36"	1	12	12		310
	"	MO 6-1	30"X30"	1	12	12		AHEAD
3	I-43 SB, AT STH 310, PLACE ON EXISITNG TYPE I GROUND MOUNT SIGN	G 20-60	108"X24"	1	12	12		
4	I-43 SB OFF-RAMP TO STH 310-10, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7	PLACE IN ADVANCE OF CLOSURE
5	I-43 SB, N. OF STH 42/JJ, PLACE 1000' N. OF STH 42/JJ EXIT RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	12	12		
	"	M 1-4	36"X36"	1	12	12		10
	"	M 1-6	36"X36"	1	12	12		310
	"	MO 5-2R	30"X30"	1	12	12		
6	I-43 SB, N. OF STH 42/JJ, PLACE 1000' N. OF STH 42/JJ EXIT RAMP IN MEDIAN	MO 4-5	36"X18"	1	12	12		
	"	M 1-4	36"X36"	1	12	12		10
	"	M 1-6	36"X36"	1	12	12		310
	"	MO 5-2R	30"X30"	1	12	12		
7	I-43 SB, AT STH 43/JJ, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-4	36"X36"	1	12	12		10
	"	M 1-6	36"X36"	1	12	12		310
	"	MO 6-2	30"X30"	1	12	12		TILT RIGHT
8	I-43 SB OFF-RAMP TO STH 42/JJ, PLACE 600' PRIOR TO RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-4	24"X24"	1	12	12		10
	"	M 1-6	24"X24"	1	12	12		310
	"	MO 5-1L	24"X24"	1	12	12		
9	I-43 SB OFF-RAMP TO STH 42/JJ, AT STH 42/JJ, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-5	24"X12"	1	12	12		
	"	M 1-4	24"X24"	1	12	12		10
	"	M 1-6	24"X24"	1	12	12		310
	"	MO 6-1	24"X24"	1	12	12		LEFT
10	STH 42/JJ, BETWEEN RAMPS, PLACE RIGHT OF EXISTING J2-1 SIGN ON RIGHT SHOULDER	MO 4-5	24"X12"	1	12	12		
	"	M 1-4	24"X24"	1	12	12		10
	"	M 1-6	24"X24"	1	12	12		310
	"	MO 5-1L	24"X24"	1	12	12		
11	STH 42/JJ, AT I-43 NB, PLACE IN MEDIAN AT I-43 NB RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-4	24"X24"	1	12	12		10
	"	M 1-6	24"X24"	1	12	12		310
	"	MO 6-1	24"X24"	1	12	12		LEFT
	PAGE SUBTOTALS			35		408	7	
	I-43 SB OFF-RAMP TO 310-10 CLOSURE TOTALS			**35**		***408**	***7**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - CTH V ON-RAMP TO I-43 SB CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING TYPE II SIGNS EACH	REMARKS
	CTH V ON-RAMP TO I-43 SB									
1	CTH V, W. OF I-43 SB, PLACE 1000' W. OF I-43 SB RAMP INTERSECTION	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
2	CTH V, AT I-43 SB, MODIFY EXISTING J3-1 SIGN AS SHOWN AT I-43 SB RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	MO 6-1	21"X21"	1	12	12				AHEAD
3	CTH V, AT I-43 SB, COVER EXISTING J3-1 SIGN AS SHOWN AT I-43 SB RAMP INTERSECTION							1	1	COVER ENTIRE SIGN
4	CTH V ON-RAMP TO I-43 SB, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7			PLACE IN ADVANCE OF CLOSURE
5	CTH V, BETWEEN I-43 RAMPS, COVER EXISTING J2-1 SIGN AS SHOWN							1	1	COVER ENTIRE SIGN
6	CTH V, W. OF CTH R, PLACE 750' W. OF CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1R	21"X21"	1	12	12				
7	CTH V, W. OF CTH R, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				RIGHT
8	CTH R, N. OF CTH V, PLACE 1000' N. OF CTH V INTERSECTION	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
9	CTH R, AT CTH V, PLACE RIGHT OF EXISTING J3-2 SIGN AT CTH V INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				AHEAD
10	CTH R, N. OF STH 310, PLACE 750' N. OF STH 310 RAB INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1R	21"X21"	1	12	12				
11	CTH R, AT STH 310, PLACE 100' N. OF STH 310 RAB INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				RIGHT
	PAGE SUBTOTALS			29		336	7		2	
	CTH V ON-RAMP TO 43 SB CLOSURE TOTALS			**29**		***336**	***7**		***2**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

PRELIMINARY AND NOT FOR BIDDING PURPOSES

Preliminary

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PRELIMINARY AND NOT FOR BIDDING PURPOSES

3

TRAFFIC CONTROL DETOUR SIGN SUMMARY - I-43 SB OFF-RAMP TO CTH V CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	REMARKS
	I-43 SB OFF-RAMP TO CTH V							
1	I-43 SB, N. OF CTH V, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
2	I-43 SB, AT CTH V, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 6-1	30"X30"	1	12	12		
3	I-43 SB, AT CTH V, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
4	I-43 SB OFF-RAMP TO CTH V, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7	PLACE IN ADVANCE OF CLOSURE
5	I-43 SB, N. OF US 10-310, PLACE 1000' N. OF US 10-310 RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 5-2R	30"X30"	1	12	12		
6	I-43 SB, N. OF US 10-310, PLACE 1000' N. OF US 10-310 RAMP IN MEDIAN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 5-2R	30"X30"	1	12	12		
7	I-43 SB, AT US 10-310, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 6-2	30"X30"	1	12	12		TILT RIGHT
8	I-43 SB OFF-RAMP TO US 10-310, AT US 10-310, PLACE RIGHT OF EXISTING R1-1 SIGN AT RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		V
	"	MO 6-1	21"X21"	1	12	12		LEFT
9	US 10-310, AT I-43 NB, PLACE ON RIGHT SHOULDER AT I-43 NB RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		V
	"	MO 6-1	21"X21"	1	12	12		AHEAD
10	STH 310, AT CTH R, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		V
	"	MO 6-1	21"X21"	1	12	12		LEFT
	PAGE SUBTOTALS			24		276	7	
	I-43 SB OFF-RAMP TO V CLOSURE TOTALS			**24**		***276**	***7**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

Preliminary

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - CTH V ON-RAMP TO I-43 NB CLOSURE

3

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING TYPE II SIGNS EACH	REMARKS
	CTH V ON-RAMP TO I-43 NB									
1	CTH V, W. OF I-43 SB RAMP, PLACE 1000' W. OF I-43 SB RAMP INTERSECTION	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
2	CTH V, BETWEEN I-43 RAMPS, MODIFY EXISTING J2-1 SIGN AS SHOWN	MO 4-5	24"X12"	1	12	12				
	"	MO 6-1	21"X21"	1	12	12				AHEAD
3	CTH V, AT I-43 NB RAMP, MODIFY EXISTING J3-1 SIGN AS SHOWN	MO 4-5	24"X12"	1	12	12				
	"	MO 6-1	21"X21"	1	12	12				AHEAD
4	CTH V ON-RAMP TO I-43 NB, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7			PLACE IN ADVANCE OF CLOSURE
5	CTH V, AT I-43 NB RAMP, COVER EXISTING J3-1 SIGN AS SHOWN							1	1	COVER ENTIRE SIGN
6	CTH V, E. OF I-43, COVER EXISTING J2-2 SIGN AS SHOWN							1	1	COVER "NORTH 43 ADV RT"
7	CTH V, W. OF CTH R, PLACE 750' W. OF CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1L	21"X21"	1	12	12				
8	CTH V, AT CTH R, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				LEFT
9	CTH R, S. OF CTH V, PLACE 1000' S. OF CTH V INTERSECTION	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
10	CTH R, AT CTH V, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH V INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				AHEAD
11	CTH R, S. OF CTH K, PLACE 750' S. OF CTH K INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1L	21"X21"	1	12	12				
12	CTH R, AT CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH K INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				LEFT
	PAGE SUBTOTALS			31		360	7		2	
	CTH V TO 43 NB RAMP CLOSURE TOTALS			**31**		***360**	***7**		***2**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - I-43 NB OFF-RAMP TO CTH V CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	REMARKS
	I-43 NB OFF-RAMP TO CTH V							
1	I-43 NB, S. OF CTH V, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
2	I-43 NB, AT CTH V, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 6-1	30"X30"	1	12	12		AHEAD
3	I-43 NB, AT CTH V, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
4	I-43 NB OFF-RAMP TO CTH V, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7	PLACE IN ADVANCE OF CLOSURE
5	I-43 NB, S. OF CTH K, PLACE 1000' S. OF CTH K EXIT RAMP IN MEDIAN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 5-2R	30"X30"	1	12	12		
6	I-43 NB, S. OF CTH K, PLACE 1000' S. OF CTH K EXIT RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		V
	"	MO 5-2R	30"X30"	1	12	12		
7	I-43 NB, AT CTH K EXIT RAMP, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		
	"	MO 6-2	30"X30"	1	12	12		TILT RIGHT
8	I-43 NB OFF-RAMP TO CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH K INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		V
	"	MO 6-1	21"X21"	1	12	12		RIGHT
9	CTH K, AT CTH R, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		V
	"	MO 6-1	21"X21"	1	12	12		RIGHT
	PAGE SUBTOTALS			21		240	7	
	43 NB OFF-RAMP TO V CLOSURE TOTALS			**21**		***240**	***7**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - CTH K ON-RAMP TO I-43 SB CLOSURE

3

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING TYPE II SIGNS EACH	REMARKS
	CTH K ON-RAMP TO I-43 SB									
1	CTH K, W. OF I-43, PLACE 1000' W. OF I-43 SB RAMP INTERSECTION	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
2	CTH K, AT I-43 SB, MODIFY EXISTING J3-1 SIGN AS SHOWN AT I-43 SB RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	MO 6-1	21"X21"	1	12	12				AHEAD
3	CTH K, AT I-43 SB, COVER EXISTING J3-1 SIGN AS SHOWN AT I-43 SB RAMP INTERSECTION							1	1	COVER ENTIRE SIGN
4	CTH K ON-RAMP TO I-43 SB, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7			PLACE IN ADVANCE OF CLOSURE
5	CTH K, AT I-43 SB, COVER EXISTING J3-1 SIGN AS SHOWN AT I-43 SB RAMP INTERSECTION							1	1	COVER ENTIRE SIGN
6	CTH K, E. OF I-43, PLACE RIGHT OF EXISTING M1-5A SIGN E. OF I-43	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
7	CTH K, W. OF CTH R, PLACE 750' W. OF CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1L	21"X21"	1	12	12				
8	CTH K, AT CTH R, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				RIGHT
9	CTH R, N. OF CTH K, PLACE 1000' N. OF CTH K INTERSECTION	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
10	CTH R, AT CTH K, PLACE RIGHT OF EXISITNG J3-2 SIGN AT CTH K INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				AHEAD
11	CTH R, N. OF CTH V, PLACE 750' N. OF CTH V INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1R	21"X21"	1	12	12				
12	CTH R, AT CTH V, PLACE RIGHT OF EXISTING J3-2 SIGN AT CTH V INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				RIGHT
13	CTH V, AT I-43 NB, PLACE RIGHT OF EXISTING J3-1 SIGN AT I-43 NB RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-3	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				AHEAD
	PAGE SUBTOTALS			36		420	7		2	
	CTH K ON-RAMP TO 43 SB CLOSURE TOTALS			**36**		***420**	***7**		***2**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - I-43 SB OFF-RAMP TO CTH K CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	REMARKS
	I-43 SB OFF-RAMP TO CTH K							
1	I-43 SB, N. OF CTH K, PLAE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
2	I-43 SB, AT CTH K, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 6-1	30"X30"	1	12	12		AHEAD
3	I-43 SB, AT CTH K, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
4	I-43 SB OFF-RAMP TO CTH K, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7	PLACE IN ADVANCE OF CLOSURE
5	I-43 SB, N. OF CTH V, PLACE 1000' N. OF CTH V RAMP IN MEDIAN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 5-2R	30"X30"	1	12	12		
6	I-43 SB, N. OF CTH V, PLACE 1000' N. OF CTH V RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 5-2R	30"X30"	1	12	12		
7	I-43 SB, AT CTH V, PLACE LEFT OF EXISTING TYPE I SIGN AT CTH V RAMP	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 6-2	30"X30"	1	12	12		TILT RIGHT
8	I-43 SB OFF-RAMP TO CTH V, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH V RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		5
	"	MO 6-1	21"X21"	1	12	12		LEFT
9	CTH V, AT I-43 NB, PLACE IN MEDIAN AT I-43 NB RAMP INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24"	1	12	12		K
	"	MO 6-1	21"X21"	1	12	12		LEFT
	PAGE SUBTOTALS			21		240	7	
	I-43 SB OFF-RAMP TO K CLOSURE TOTALS			**21**		***240**	***7**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - CTH K ON-RAMP TO I-43 NB CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO .OF CYCLES	643.0920 COVERING TYPE II SIGNS EACH	REMARKS
	CTH K ON-RAMP TO I-43 NB									
1	CTH K, W. OF I-43, PLACE 1000' W. OF I-43 SB RAMP INTERSECTION	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
2	CTH K, BETWEEN I-43 RAMPS, MODIFY EXISTING J2-2 SIGN AS SHOWN	MO 4-5	24"X12"	1	12	12				
	"	MO 6-1	21"X21"	1	12	12				AHEAD
3	CTH K, AT I-43 NB RAMP, MODIFY EXISTING J3-1 SIGN AS SHOWN	MO 4-5	24"X12"	1	12	12				
	"	MO 6-1	21"X21"	1	12	12				AHEAD
4	CTH K ON-RAMP TO I-43 NB, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7			PLACE IN ADVANCE OF CLOSURE
5	CTH K, AT I-43 NB RAMP, COVER EXISTING J3-1 SIGN AS SHOWN							1	1	COVER ENTIRE SIGN
6	CTH K, E. OF I-43, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
7	CTH R, S. OF CTH K, PLACE 1000' S. OF CTH K INTERSECTION	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	W 20-2A	48"X48"	1	12	12				
8	CTH R, AT CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH K INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				AHEAD
9	CTH R, S. OF CTH Y, PLACE 150' S. OF CTH Y INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				AHEAD
10	CTH R, AT STH 147, PLACE RIGHT OF EXISTING R1-1 SIGN AT STH 147 INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 6-1	21"X21"	1	12	12				LEFT
11	STH 147, W. OF CTH R, PLACE 100' W. OF CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12				
	"	M 3-1	24"X12"	1	12	12				
	"	M 1-1	24"X24"	1	12	12				43
	"	MO 5-1L	21"X21"	1	12	12				
	PAGE SUBTOTALS			30		348	7		1	
	K ON-RAMP TO 43 NB CLOSURE TOTALS			**30**		***348**	***7**		***1**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

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TRAFFIC CONTROL DETOUR SIGN SUMMARY - I-43 NB OFF-RAMP TO CTH K CLOSURE

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 12 DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	REMARKS
	I-43 NB OFF-RAMP TO CTH K							
1	I-43 NB, S. OF CTH K, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
2	I-43 NB, AT CTH K EXIT RAMP, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 6-1	30"X30"	1	12	12		AHEAD
3	I-43 NB, AT CTH K EXIT RAMP, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AS SHOWN	G 20-60	108"X24"	1	12	12		
4	I-43 NB OFF-RAMP TO CTH K, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1			7	PLACE IN ADVANCE OF CLOSURE
5	I-43 NB, S. OF STH 147, PLACE 1000' S. OF STH 147 OFF-RAMP IN MEDIAN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 5-2R	30"X30"	1	12	12		
6	I-43 NB, S. OF STH 147, PLACE 1000' S. OF STH 147 OFF-RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 5-2R	30"X30"	1	12	12		
7	I-43 NB, AT STH 147 EXIT RAMP, PLACE LEFT OF EXISTING TYPE I GROUND MOUNT SIGN	MO 4-5	36"X18"	1	12	12		
	"	M 1-5A	36"X36"	1	12	12		K
	"	MO 6-2	30"X30"	1	12	12		TILT RIGHT
8	I-43 NB OFF-RAMP TO STH 147, AT RAMP INTERSECTION, PLACE RIGHT OF EXISTING R1-1 SIGN	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24'	1	12	12		K
	"	MO 6-1	21"X21"	1	12	12		RIGHT
9	STH 147, AT CTH R, PLACE RIGHT OF EXISTING J13-1 SIGN AT CTH R INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24'	1	12	12		K
	"	MO 6-1	21"X21"	1	12	12		RIGHT
10	CTH R, N. OF CTH Y, PLACE 150' N. OF CTH Y INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24'	1	12	12		K
	"	MO 6-1	21"X21"	1	12	12		AHEAD
11	CTH R, AT CTH K, PLACE RIGHT OF EXISTING R1-1 SIGN AT CTH K INTERSECTION	MO 4-5	24"X12"	1	12	12		
	"	M 1-5A	24"X24'	1	12	12		K
	"	MO 6-1	21"X21"	1	12	12		RIGHT
	PAGE SUBTOTALS			27		312	7	
	43 NB TO CTH K CLOSURE TOTALS			**27**		***312**	***7**	

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

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TRAFFIC CONTROL SUMMARY

CATEGORY	LOCATION	DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH	DAY	643.0900 TRAFFIC CONROL SIGNS EACH	DAY	6543.1050 TRAFFIC CONTROL SIGNS PCMS EACH	DAY	643.1205.S BASIC TRAFFIC QUEUE WARNING SYSTEM EACH	DAY	REMARKS
0010	ROCKWOOD RD	8	28	224	-	-	-	-	-	-	-	-	11	88	-	-	-	-	BEAMGUARD
0010	REIFS MILLS RD	8	28	224	-	-	-	-	-	-	-	-	11	88	-	-	-	-	BEAMGUARD
0010	POLIFKA RD	11	38	418	-	-	-	-	-	-	-	-	11	121	-	-	-	-	BEAMGUARD
0010	FISHERVILLE RD	11	38	418	-	-	-	-	-	-	-	-	11	121	-	-	-	-	BEAMGUARD
0010	GREENSTREET RD	11	38	418	-	-	-	-	-	-	-	-	11	121	-	-	-	-	BEAMGUARD
0010	STH 310 NE RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	STH 310 NW RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	CTH V SE RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	CTH V NE RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	CTH V NW RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	CTH V SW RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	CTH K SE RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	CTH K NE RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	CTH K NW RAMP	94	10	940	2	188	4	376	8	752	-	-	5	470	-	-	-	-	LANE CLOSURE
0010	CTH K SW RAMP	94	34	3,196	2	188	4	376	24	2,256	-	-	7	658	-	-	-	-	LANE CLOSURE
0010	STH 310 NE RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	STH 310 NW RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH V SE RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH V NE RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH V NW RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH V SW RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH K SE RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH K NE RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH K NW RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP CLOSURE
0010	CTH K SW RAMP	12	-	-	4	48	8	96	-	-	-	-	1	12	-	-	-	-	RAMP 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	7	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	94	LANE CLOSURE
	PROJECT SUBTOTAL			**114,502**		**8,564**		**17,128**		**18,236**		**376**		**16,075**		**7**		**188**	
	PROJECT TOTAL			**114,502**		**8,564**		**17,128**		**18,236**		**376**		***19,519**		**7**		**188**	

*** ADDITIONAL QUANTITY SHOWN ELSEWHERE**

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PAVEMENT MARKING SUMMARY

CATEGORY	ROADWAY	STATION	TO	STATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE 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	REMARKS
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	-	38,821	43,696	10,921	-	-	-	MAINLINE
0010	IH 43 NB	1328'NB'+62	-	1328'NB'+62	-	-	-	-	-	-	2	
0010	IH 43 NB	1335'NB'+21	-	1335'NB'+21	-	-	-	-	-	-	2	
0010	IH 43 NB	1341'NB'+79	-	1341'NB'+79	-	-	-	-	-	-	2	
0010	IH 43 NB	1541'NB'+67	-	1541'NB'+67	-	-	-	-	-	-	2	
0010	IH 43 NB	1548'NB'+27	-	1548'NB'+27	-	-	-	-	-	-	2	
0010	IH 43 NB	1554'NB'+87	-	1554'NB'+87	-	-	-	-	-	-	2	
0010	IH 43 NB	1561'NB'+48	-	1561'NB'+48	-	-	-	-	-	-	2	
0010	IH 43 NB	1568'NB'+09	-	1568'NB'+09	-	-	-	-	-	-	2	
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	-	39,873	43,754	10,941	-	-	-	MAINLINE
0010	IH 43 SB	1328'SB'+60	-	1328'SB'+60	-	-	-	-	-	-	2	
0010	IH 43 SB	1335'SB'+22	-	1335'SB'+22	-	-	-	-	-	-	2	
0010	IH 43 SB	1341'SB'+85	-	1341'SB'+85	-	-	-	-	-	-	2	
0010	IH 43 SB	1541'SB'+95	-	1541'SB'+95	-	-	-	-	-	-	2	
0010	IH 43 SB	1548'SB'+54	-	1548'SB'+54	-	-	-	-	-	-	2	
0010	IH 43 SB	1555'SB'+13	-	1555'SB'+13	-	-	-	-	-	-	2	
0010	IH 43 SB	1561'SB'+72	-	1561'SB'+72	-	-	-	-	-	-	2	
0010	IH 43 SB	1567'SB'+90	-	1567'SB'+90	-	-	-	-	-	-	2	
0010	STH 310 NE RAMP	10'TNE'+00	-	25'TNE'+24	-	2,356	1,033	-	-	1,428	-	RAMP & GORE
0010	STH 310 NW RAMP	10'TNW'+00	-	24'TNW'+12	-	1,633	1,102	-	-	700	-	RAMP & GORE
0010	CTH V SE RAMP	10'VSE'+00	-	21'VSE'+31	-	1,694	1,194	-	-	640	-	RAMP & GORE
0010	CTH V SW RAMP	10'VSW'+00	-	22'VSW'+84	-	2,223	984	-	-	1,393	-	RAMP & GORE
0010	CTH V	16'V'+00	-	24'V'+00	100	-	-	-	80	-	-	
0010	CTH V NE RAMP	10'VNE'+00	-	24'VNE'+88	-	2,269	1,048	-	-	1,234	-	RAMP & GORE
0010	CTH V NW RAMP	10'VNW'+00	-	25'VNW'+57	-	1,662	1,189	-	-	598	-	RAMP & GORE
0010	CTH K SE RAMP	10'KSE'+00	-	21'KSE'+67	-	1,743	1,256	-	-	599	-	RAMP & GORE
0010	CTH K SW RAMP	10'KSW'+00	-	24'KSW'+62	-	2,338	1,193	-	-	1,185	-	RAMP & GORE
0010	CTH K	18'K'+00	-	28'K'+00	60	-	-	-	150	-	-	
0010	CTH K NE RAMP	10'KNE'+00	-	23'KNE'+61	-	2,405	1,094	-	-	1,352	-	RAMP & GORE
0010	CTH K NW RAMP	10'KNW'+00	-	18'KNW'+86	-	1,619	1,132	-	-	616	-	RAMP & GORE
				PROJECT TOTAL	**160**	**197,311**		**21,862**	**230**	**9,745**	**32**	

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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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	1167'NB'+62	-	1604'NB'+58	3,495	-	-	CENTERLINE SKIPS ON LOWER LAYER
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	3,501	-	-	CENTERLINE SKIPS ON LOWER LAYER
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	3,495	54,541	49,321	SKIPS AND EDGELINES ON UPPER LAYER
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	3,501	53,840	49,354	SKIPS AND EDGELINES ON UPPER LAYER
				PROJECT TOTAL		**221,048**		

CONSTRUCTION STAKING

CATEGORY	ROADWAY	STATION	TO	STATION	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF
0010	IH 43 NB	1167'NB'+62	-	1604'NB'+58	43,696
0010	IH 43 SB	1167'SB'+63	-	1605'SB'+23	43,754
0010	STH 310 NE RAMP	10'TNE'+00	-	25'TNE'+24	1,747
0010	STH 310 NW RAMP	10'TNW'+00	-	24'TNW'+12	1,453
0010	CTH V SE RAMP	10'VSE'+00	-	21'VSE'+31	1,514
0010	CTH V SW RAMP	10'VSW'+00	-	22'VSW'+84	1,681
0010	CTH V NE RAMP	10'VNE'+00	-	24'VNE'+88	1,665
0010	CTH V NW RAMP	10'VNW'+00	-	25'VNW'+57	1,488
0010	CTH K SE RAMP	10'KSE'+00	-	21'KSE'+67	1,555
0010	CTH K SW RAMP	10'KSW'+00	-	24'KSW'+62	1,785
0010	CTH K NE RAMP	10'KNE'+00	-	23'KNE'+61	1,770
0010	CTH K NW RAMP	10'KNW'+00	-	18'KNW'+86	1,439
				PROJECT TOTAL	**103,547**

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	LOCATION	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL LS
0010	1227-12-71	1
	PROJECT TOTAL	**1**

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PRELIMINARY AND NOT FOR BIDDING PURPOSES

SAWING PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	IH 43 NB	1167'NB'+62	-	1167'NB'+64	LT/RT	40	-
0010	IH 43 NB	1167'NB'+67	-	1167'NB'+82	LT	-	16
0010	IH 43 NB	1167'NB'+67	-	1167'NB'+82	RT	-	16
0010	IH 43 NB	1469'NB'+86	-	1469'NB'+88	LT/RT	52	-
0010	IH 43 NB	1469'NB'+03	-	1469'NB'+48	RT	-	47
0010	IH 43 NB	1469'NB'+40	-	1469'NB'+85	LT	-	47
0010	IH 43 NB	1472'NB'+02	-	1472'NB'+04	LT/RT	52	-
0010	IH 43 NB	1603'NB'+60	-	1604'NB'+05	RT	-	47
0010	IH 43 NB	1604'NB'+09	-	1604'NB'+54	LT	-	47
0010	IH 43 NB	1604'NB'+56	-	1604'NB'+58	LT/RT	58	-
0010	IH 43 SB	1167'SB'+64	-	1167'SB'+66	LT/RT	40	-
0010	IH 43 SB	1167'SB'+71	-	1168'SB'+16	LT	-	47
0010	IH 43 SB	1167'SB'+71	-	1168'SB'+16	RT	-	47
0010	IH 43 SB	1470'SB'+05	-	1470'SB'+25	RT	-	16
0010	IH 43 SB	1470'SB'+39	-	1470'SB'+41	LT/RT	52	-
0010	IH 43 SB	1472'SB'+54	-	1472'SB'+56	LT/RT	52	-
0010	IH 43 SB	1604'SB'+94	-	1605'SB'+09	RT	-	16
0010	IH 43 SB	1605'SB'+21	-	1605'SB'+23	LT/RT	58	-
0010	IH 43 SB	1605'SB'+29	-	1605'SB'+44	LT	-	16
0010	STH 310 NE RAMP	10'TNE'+37	-	10'TNE'+39	LT/RT	98	-
0010	STH 310 NW RAMP	10'TNW'+38	-	10'TNW'+40	LT/RT	64	-
0010	CTH V SE RAMP	19'VSE'+96	-	20'VSE'+49	LT/RT	-	40
0010	CTH V SW RAMP	21'VSW'+65	-	22'VSW'+15	LT/RT	-	27
0010	CTH V NE RAMP	10'VNE'+75	-	11'VNE'+25	LT/RT	-	27
0010	CTH V NW RAMP	10'VNW'+95	-	11'VNW'+45	LT/RT	-	42
0010	CTH K SE RAMP	20'KSE'+42	-	20'KSE'+92	LT/RT	-	39
0010	CTH K SW RAMP	23'KSW'+51	-	24'KSW'+01	LT/RT	-	27
0010	CTH K NE RAMP	10'KNE'+61	-	11'KNE'+11	LT/RT	-	27
0010	CTH K NW RAMP	10'KNW'+75	-	11'KNW'+25	LT/RT	-	40
0010	ROCKWOOD RD	15'RK'+98	-	16'RK'+87	LT	90	-
0010	ROCKWOOD RD	15'RK'+98	-	16'RK'+84	RT	87	-
0010	REIFS MILLS RD	16'RM'+88	-	17'RM'+59	LT	72	-
0010	REIFS MILLS RD	16'RM'+88	-	17'RM'+53	RT	65	-
0010	POLIFKA RD	18'PO'+83	-	19'PO'+51	LT	69	-
0010	POLIFKA RD	19'PO'+22	-	19'PO'+90	RT	69	-
0010	FISHERVILLE RD	18'FI'+04	-	18'FI'+70	LT	66	-
0010	FISHERVILLE RD	18'FI'+04	-	18'FI'+79	RT	76	-
0010	GREENSTREET RD	20'GR'+53	-	21'GR'+25	LT	72	-
0010	GREENSTREET RD	20'GR'+73	-	21'GR'+41	RT	68	-
				PROJECT SUBTOTAL		**1,300**	**631**
				PROJECT TOTAL		**1,300**	***70,077**

***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	1167'NB'+62	-	1220'NB'+46	LT/RT	132	PROJECT LIMITS - MILE 156
0010	IH 43 NB	1220'NB'+46	-	1273'NB'+26	LT/RT	36	MILE 156 - MILE 157
0010	IH 43 NB	1273'NB'+26	-	1326'NB'+06	LT/RT	24	MILE 157 - MILE 158
0010	IH 43 NB	1378'NB'+86	-	1431'NB'+66	LT/RT	36	MILE 159 - MILE 160
0010	IH 43 NB	1431'NB'+66	-	1484'NB'+46	LT/RT	169	MILE 160 - MILE 161
0010	IH 43 NB	1484'NB'+46	-	1537'NB'+26	LT/RT	579	MILE 161 - MILE 162
0010	IH 43 NB	1537'NB'+26	-	1590'NB'+06	LT/RT	274	MILE 162 - MILE 163
0010	IH 43 SB	1326'SB'+06	-	1378'SB'+86	LT/RT	38	MILE 158 - MILE 159
0010	IH 43 SB	1431'SB'+66	-	1484'SB'+46	LT/RT	168	MILE 160 - MILE 161
					PROJECT TOTAL	**1,456**	

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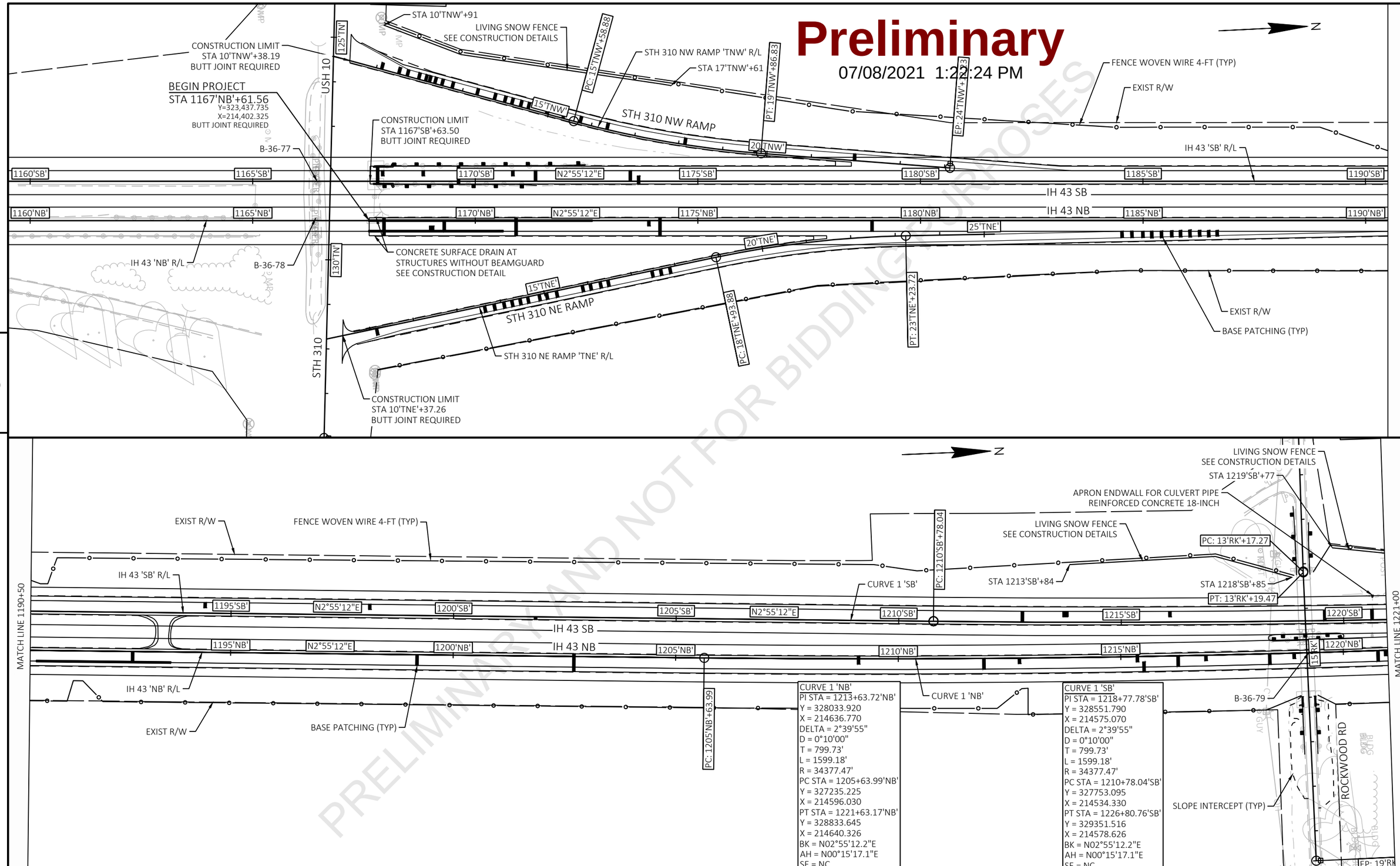

CURVE 1 'NB'
PI STA = 1213+63.72'NB'
Y = 328033.920
X = 214636.770
DELTA = 2°39'55"
D = 0°10'00"
T = 799.73'
L = 1599.18'
R = 34377.47'
PC STA = 1205+63.99'NB'
Y = 327235.225
X = 214596.030
PT STA = 1221+63.17'NB'
Y = 328833.645
X = 214640.326
BK = N02°55'12.2"E
AH = N00°15'17.1"E
SE = NC

CURVE 1 'SB'
PI STA = 1218+77.78'SB'
Y = 328551.790
X = 214575.070
DELTA = 2°39'55"
D = 0°10'00"
T = 799.73'
L = 1599.18'
R = 34377.47'
PC STA = 1210+78.04'SB'
Y = 327753.095
X = 214534.330
PT STA = 1226+80.76'SB'
Y = 329351.516
X = 214578.626
BK = N02°55'12.2"E
AH = N00°15'17.1"E
SE = NC

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

Preliminary

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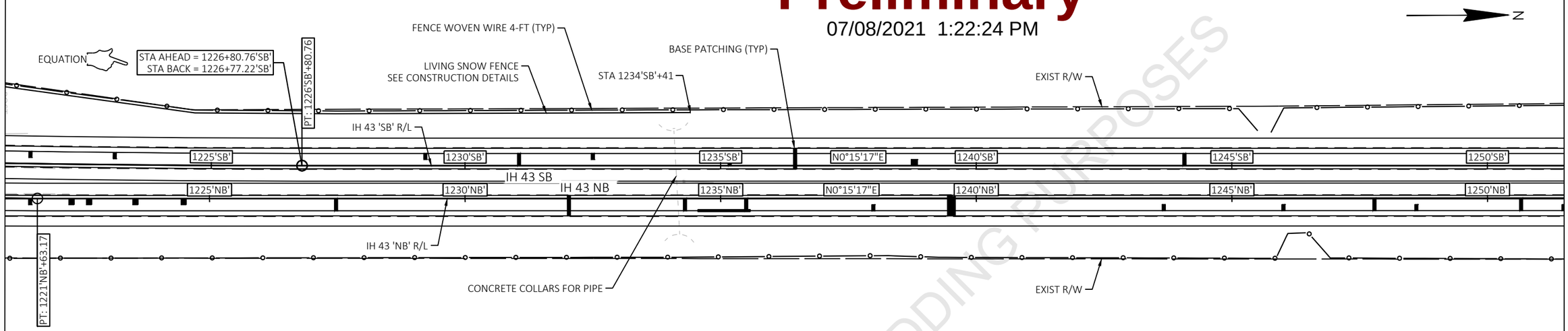

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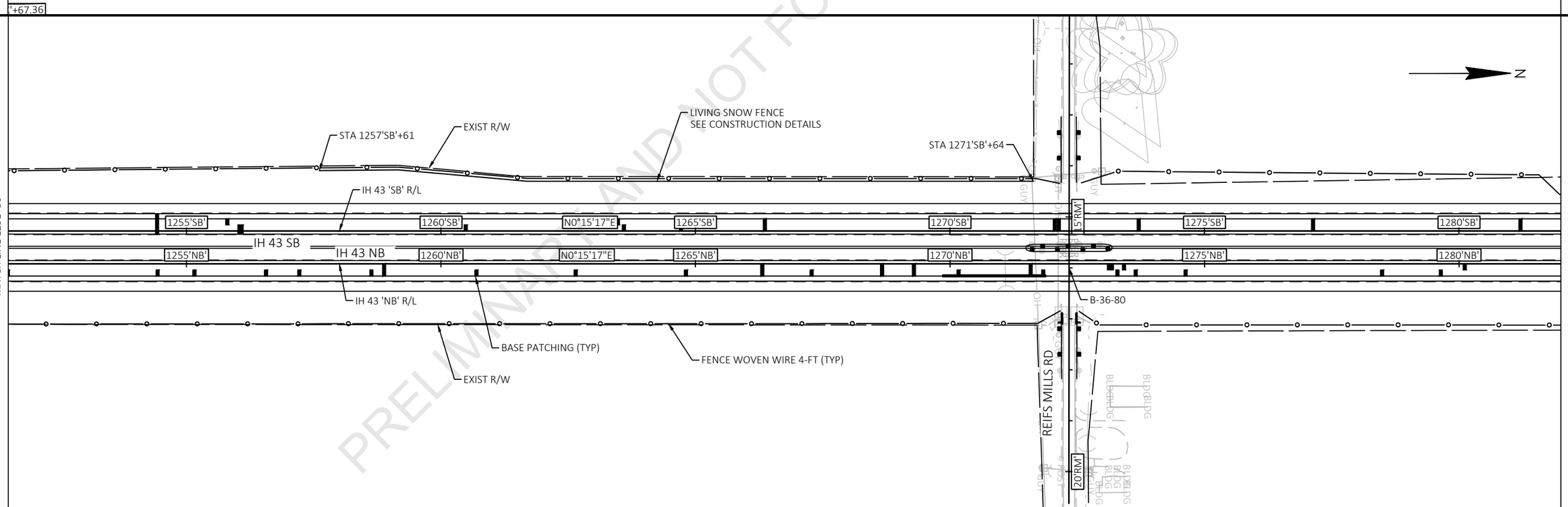

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

Preliminary

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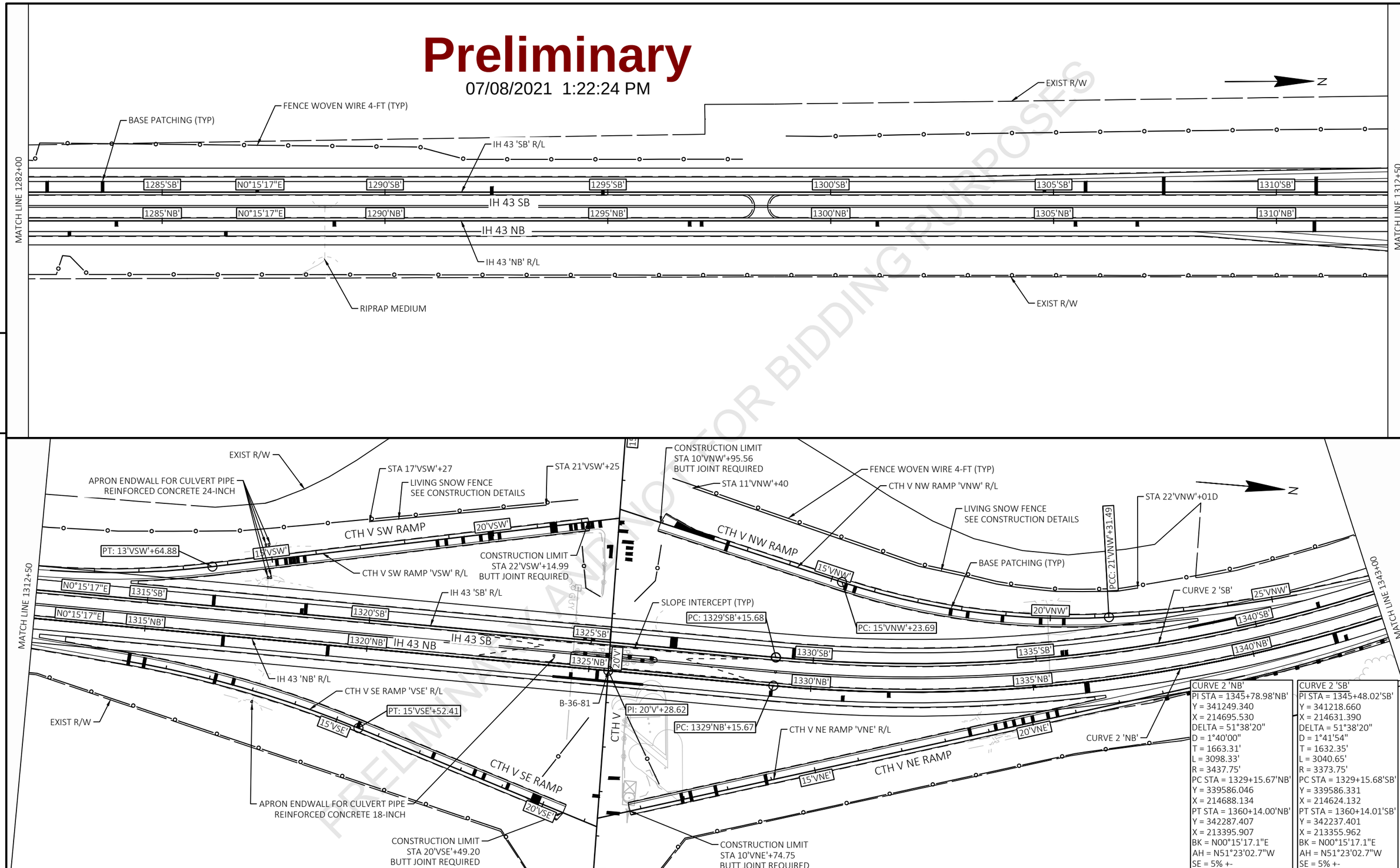

CURVE 2 'NB'	CURVE 2 'SB'
PI STA = 1345+78.98'NB'	PI STA = 1345+48.02'SB'
Y = 341249.340	Y = 341218.660
X = 214695.530	X = 214631.390
DELTA = 51°38'20"	DELTA = 51°38'20"
D = 1°40'00"	D = 1°41'54"
T = 1663.31'	T = 1632.35'
L = 3098.33'	L = 3040.65'
R = 3437.75'	R = 3373.75'
PC STA = 1329+15.67'NB'	PC STA = 1329+15.68'SB'
Y = 339586.046	Y = 339586.331
X = 214688.134	X = 214624.132
PT STA = 1360+14.00'NB'	PT STA = 1360+14.01'SB'
Y = 342287.407	Y = 342237.401
X = 213395.907	X = 213355.962
BK = N00°15'17.1"E	BK = N00°15'17.1"E
AH = N51°23'02.7"W	AH = N51°23'02.7"W
SE = 5% +-	SE = 5% +-

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

FILE NAME : C:\WISDOT\DESIGN\C3D\12271200\SHEETSPLAN\1227-12-71\050201-PN.DWG
LAYOUT NAME - 050203-pn
PLOT DATE : 6/16/2021 8:06 AM
PLOT BY : MATERNOSKI, JORDAN D
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

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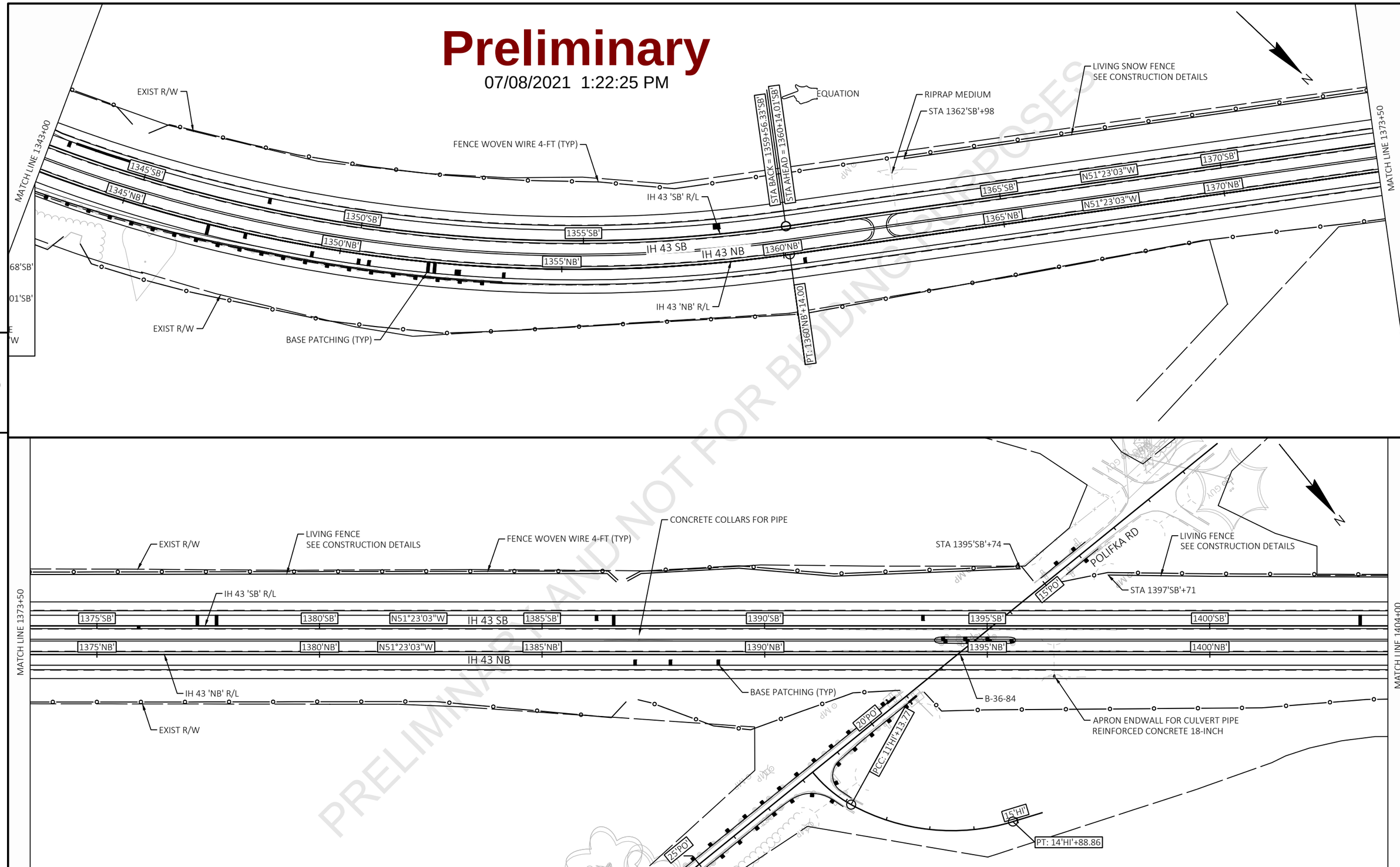

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

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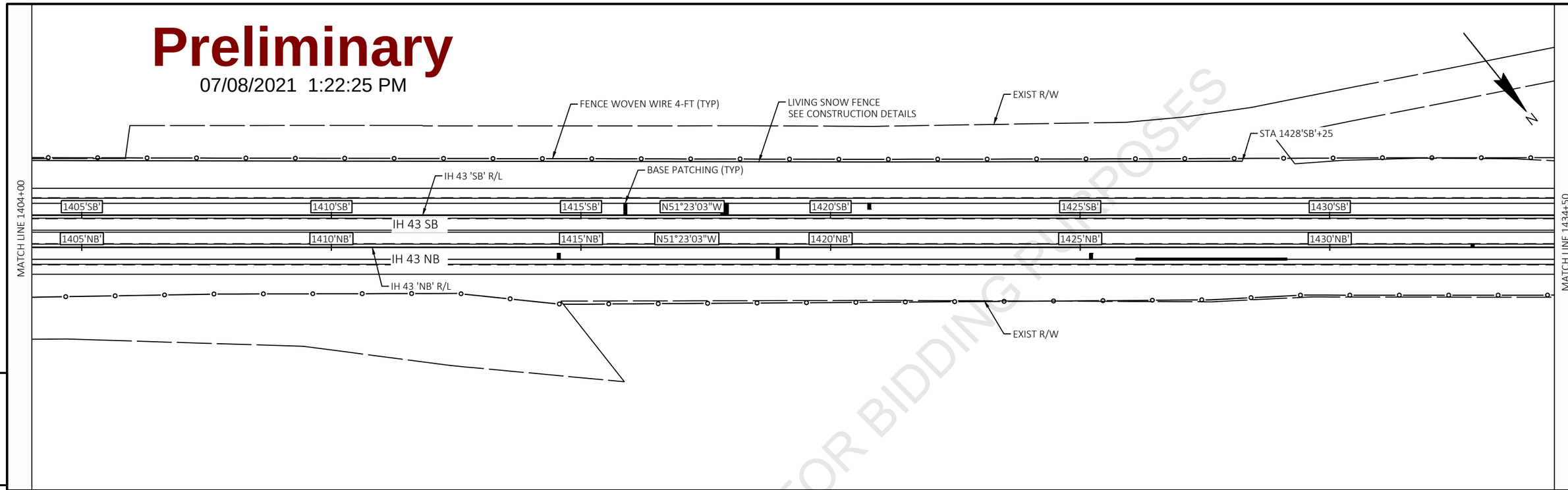

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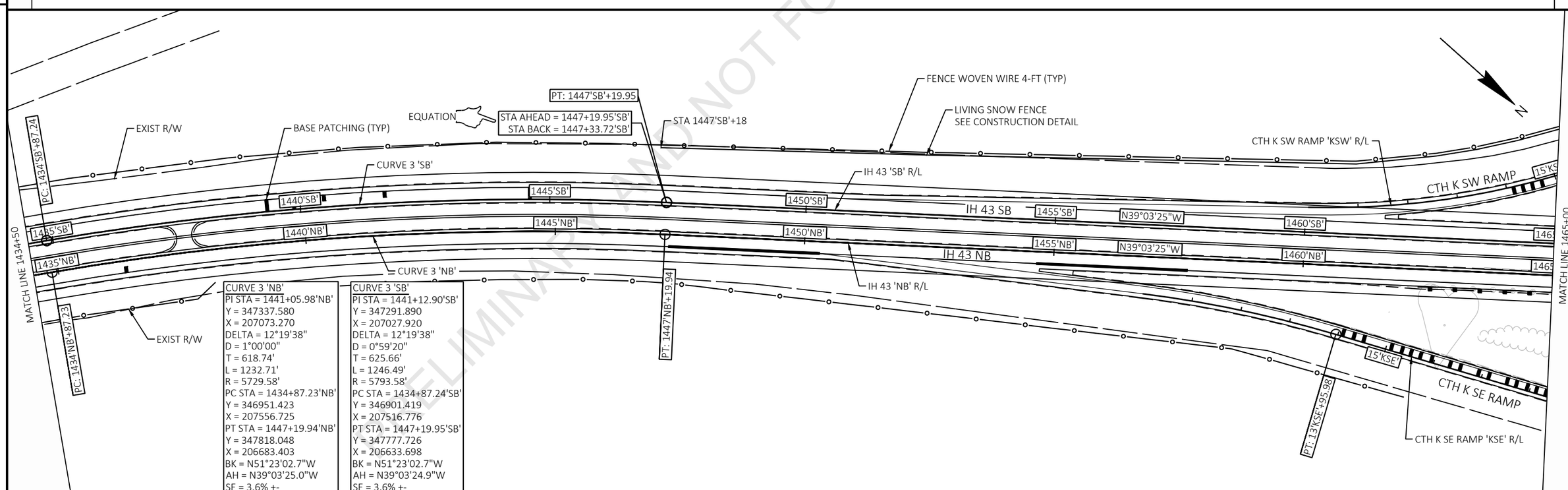
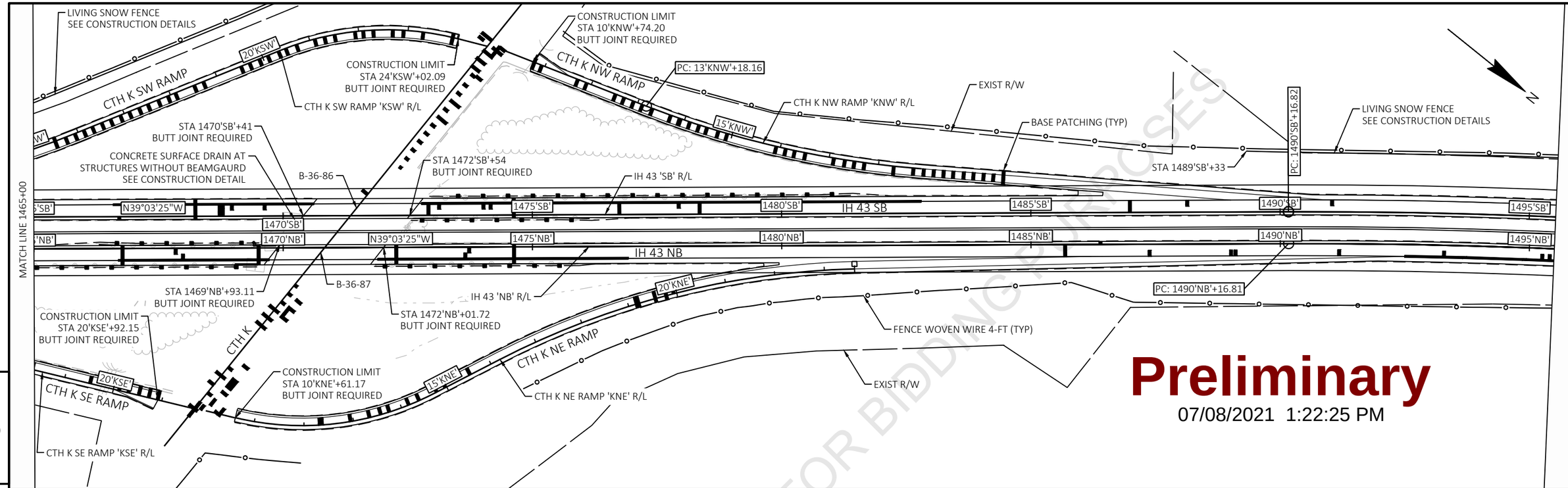
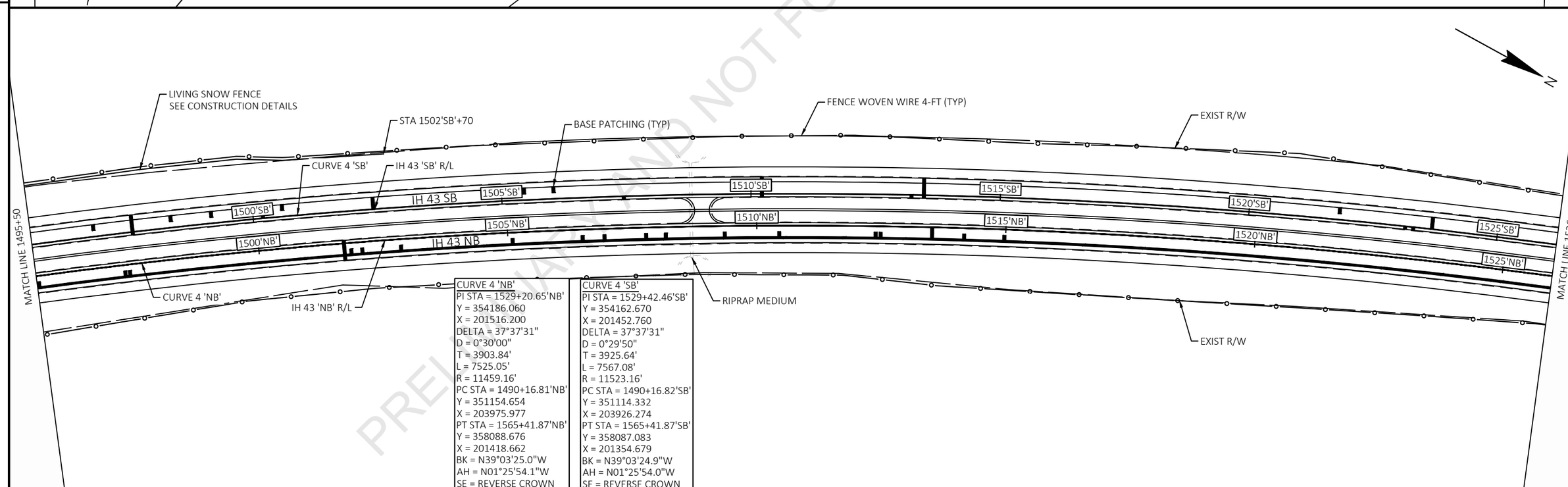


CURVE 3 'NB'	CURVE 3 'SB'
PI STA = 1441+05.98'NB'	PI STA = 1441+12.90'SB'
Y = 347337.580	Y = 347291.890
X = 207073.270	X = 207027.920
DELTA = 12°19'38"	DELTA = 12°19'38"
D = 1°00'00"	D = 0°59'20"
T = 618.74'	T = 625.66'
L = 1232.71'	L = 1246.49'
R = 5729.58'	R = 5793.58'
PC STA = 1434+87.23'NB'	PC STA = 1434+87.24'SB'
Y = 346951.423	Y = 346901.419
X = 207556.725	X = 207516.776
PT STA = 1447+19.94'NB'	PT STA = 1447+19.95'SB'
Y = 347818.048	Y = 347777.726
X = 206683.403	X = 206633.698
BK = N51°23'02.7"W	BK = N51°23'02.7"W
AH = N39°03'25.0"W	AH = N39°03'24.9"W
SE = 3.6% +-	SE = 3.6% +-

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E





PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

Preliminary

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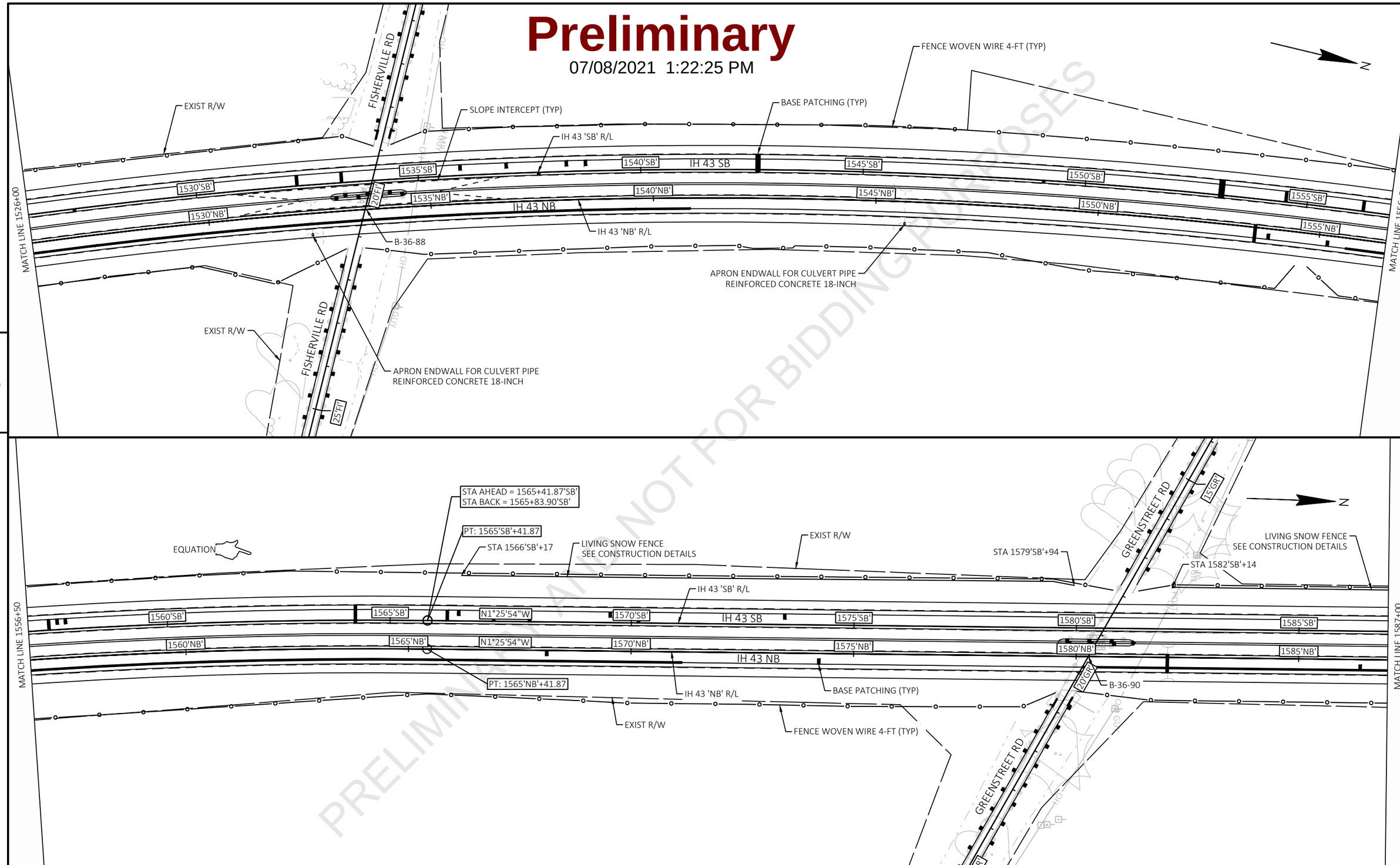

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

Preliminary

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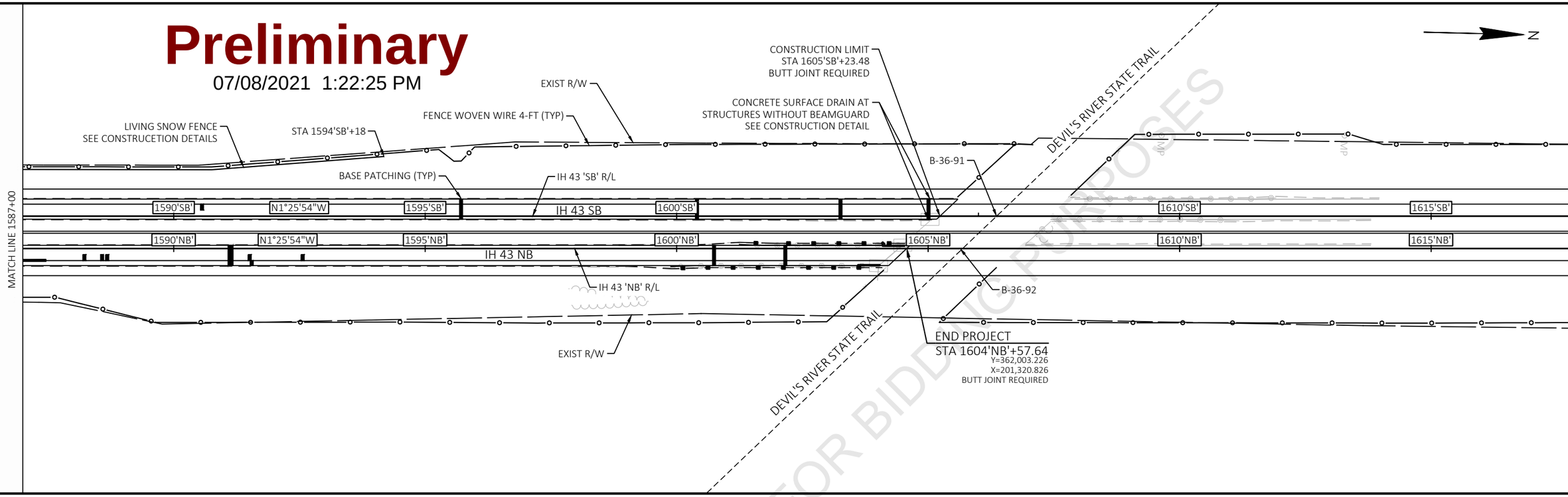

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PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	PLAN SHEETS	SHEET	E

STATE PROJECT NUMBER
1227-12-71

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TOTAL ESTIMATED QUANTITIES

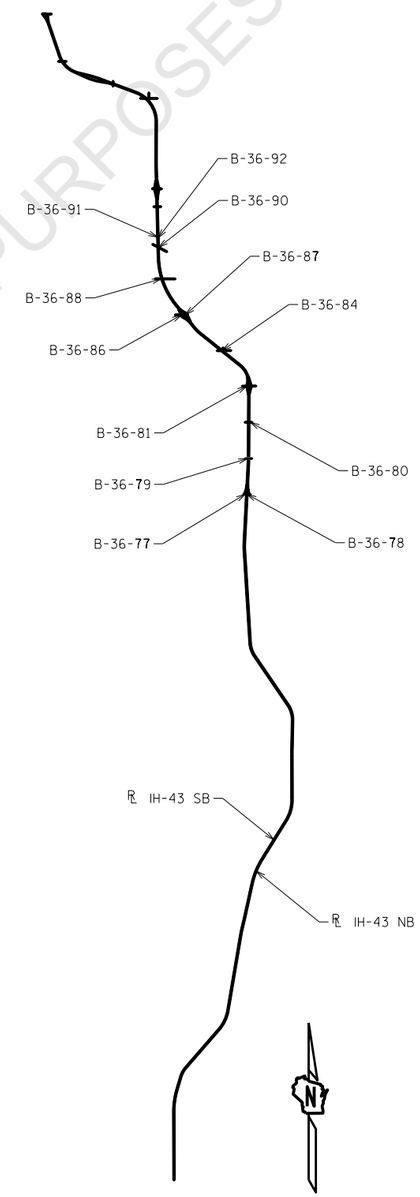
BID ITEM NUMBER	BID ITEMS	UNIT	B-36-77	B-36-78	B-36-79	B-36-80	B-36-81	B-36-84	B-36-86	B-36-87	B-36-88	B-36-90	B-36-91	B-36-92	TOTALS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	213	213	224	209	214	369	214	208	237	256	197	192	2,746
509.1500	CONCRETE SURFACE REPAIR	SF	50	30	8	---	---	---	30	---	10	---	20	21	169
SPV.0060	CLEANING AND PAINTING BEARINGS	EACH	10	10	---	8	---	8	---	---	8	---	---	---	44
SPV.0090	JOINT SEALING	LF	80	80	60	60	136	96	102	102	64	68	116	116	1,080
SPV.0120	BRIDGE DECK CRACK SEALING	GAL	2.20	2.20	1.64	1.56	---	2.66	1.93	---	1.61	---	---	1.96	15.76

SUMMARY OF CATEGORY NUMBERS

STRUCTURE ID	CATEGORY NUMBER
B-36-77	0020
B-36-78	0030
B-36-79	0040
B-36-80	0050
B-36-81	0060
B-36-84	0070
B-36-86	0080
B-36-87	0090
B-36-88	0100
B-36-90	0110
B-36-91	0120
B-36-92	0130

SUMMARY OF LOCATIONS

STRUCTURE ID	MUNICIPALITY	LOCATION
B-36-77	MANITOWOC RAPIDS	IH-32 SB OVER USH 10 WB / STH 310
B-36-78	MANITOWOC RAPIDS	IH-32 NB OVER USH 10 WB / STH 310
B-36-79	KOSSUTH	ROCKWOOD ROAD OVER IH-43
B-36-80	KOSSUTH	REIFS MILL ROAD OVER IH-43
B-36-81	KOSSUTH	V HILLCREST ROAD OVER IH-43
B-36-84	KOSSUTH	POLIFKA ROAD OVER IH-43
B-36-86	KOSSUTH	IH-43 SB OVER K
B-36-87	KOSSUTH	IH-43 NB OVER K
B-36-88	KOSSUTH	FISCHERVILLE ROAD / CTH Y OVER IH-43
B-36-90	COOPERSTOWN	GREENSTREET ROAD OVER IH-43
B-36-91	COOPERSTOWN	IH-43 SB OVER CNW RR
B-36-92	COOPERSTOWN	IH-43 NB OVER CNW RR



LOCATION MAP

LIST OF DRAWINGS

1. BRIDGE REPAIR SUMMARY
2. B-36-77/78/79 & B-36-80/81 REPAIRS
3. B-36-84/86/87 & B-36-88/90 REPAIRS
4. B-36-91 & B-36-92 REPAIRS

STRUCTURE DESIGN CONTACTS:

DOMINIQUE BECHLE (608) 261-8205
JOHN SENDOR (608) 266-5163

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-36-VARIOUS

MANITOWOC COUNTY IH-43 BRIDGE REPAIRS

COUNTY	TOWN/CITY/VILLAGE
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

8

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SCALE = 10800.00

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

PRELIMINARY AND NOT FOR BIDDING PURPOSES

STATE PROJECT NUMBER
1227-12-71

Preliminary

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B-36-77 REPAIR SUMMARY

IH-43 SB OVER USH 10 WB / STH 310

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	213	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	50	ESTIMATED REPAIR AREAS ARE LOCATED ON THE EXISTING WEST PARAPET; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0060.01	CLEANING AND PAINTING BEARINGS	EACH	10	CLEAN AND PAINT EXISTING ABUTMENT EXPANSION BEARINGS; 5 BEARINGS PER ABUTMENT
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	2.20	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,388 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-78 REPAIR SUMMARY

IH-43 NB OVER USH 10 WB / STH 310

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	213	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 THE EXISTING WEST PARAPET; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0060.01	CLEANING AND PAINTING BEARINGS	EACH	10	CLEAN AND PAINT EXISTING ABUTMENT EXPANSION BEARINGS; 5 BEARINGS PER ABUTMENT
SPV.0090.01	JOINT SEALING	LF	80	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 40 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	2.20	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,388 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-79 REPAIR SUMMARY

ROCKWOOD ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	224	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	8	ESTIMATED REPAIR AREAS ARE LOCATED AT EAST & WEST ABUTMENTS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
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	1.64	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,035 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-80 REPAIR SUMMARY

REIFS MILL ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	209	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 STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 30 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.56	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 985 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-81 REPAIR SUMMARY

V HILLCREST ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	214	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
SPV.0090.01	JOINT SEALING	LF	136	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 68 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-36-VARIOUS

DRAWN BY DMB PLANS CK'D. JJS

B-36-77/78/79 & B-36-80/81 REPAIRS

SHEET 2

SCALE = 12.00

STATE PROJECT NUMBER

1227-12-71

Preliminary

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B-36-84 REPAIR SUMMARY

POLIFKA ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	369	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	96	SEAL THE EXISTING EXPANSION JOINTS AT EACH ABUTMENT; 48 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	2.66	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,679 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-86 REPAIR SUMMARY

IH-43 SB OVER K

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	214	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 EXISTING EAST & WEST PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	102	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 51 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.93	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,218 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

B-36-87 REPAIR SUMMARY

IH-43 NB OVER K

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	208	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
SPV.0090.01	JOINT SEALING	LF	102	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 51 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE

B-36-88 REPAIR SUMMARY

FISCHERVILLE ROAD / CTH Y OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	237	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	10	ESTIMATED REPAIR AREAS ARE LOCATED ON THE EXISTING NORTH PARAPET; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
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	64	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 32 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.61	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,016 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

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B-36-90 REPAIR SUMMARY

GREENSTREET ROAD OVER IH-43

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	256	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
SPV.0090.01	JOINT SEALING	LF	68	SEAL THE EXISTING EXPANSION JOINTS AT EACH ABUTMENT; 34 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-36-VARIOUS

DRAWN BY DMB | PLANS CK'D. JJS

B-36-84/86/87 & B-36-88/90 REPAIRS

SHEET 3

SCALE = 12.00

PRELIMINARY AND NOT FOR BIDDING PURPOSES

STATE PROJECT NUMBER

1227-12-71

Preliminary

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B-36-91 REPAIR SUMMARY

IH-43 SB OVER CNW RR

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	197	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	20	ESTIMATED REPAIR AREAS ARE LOCATED ON EXISTING EAST & WEST PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	116	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 58 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE

B-36-92 REPAIR SUMMARY

IH-43 NB OVER CNW RR

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	QUANTITY	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	192	APPLY TO ROADSIDE AND TOP FACES FOR FULL LENGTH OF BOTH PARAPETS INCLUDING PARAPETS ON WINGS
509.1500	CONCRETE SURFACE REPAIR	SF	21	ESTIMATED REPAIR AREAS ARE LOCATED ON EXISTING EAST & WEST PARAPETS; FINAL REPAIR AREAS TO BE DETERMINED BY THE FIELD ENGINEER
SPV.0090.01	JOINT SEALING	LF	116	SEAL THE EXISTING STRIP SEAL EXPANSION JOINTS AT EACH ABUTMENT; 58 LF PER ABUTMENT; MEASURED FROM GUTTER LINE TO GUTTER LINE
SPV.0120.01	BRIDGE DECK CRACK SEALING	GAL	1.96	APPLY TO AREAS OF EXISTING CRACKS; ESTIMATED QUANTITY OF EXISTING CRACKING = 1,237 LF; FINAL CRACK SEAL AREAS TO BE DETERMINED BY THE FIELD ENGINEER

PRELIMINARY AND NOT FOR BIDDING PURPOSES

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-36-VARIOUS

DRAWN BY DMB PLANS CK'D. JJS

B-36-91
& B-36-92
REPAIRS

SHEET 4

SCALE = 12.00

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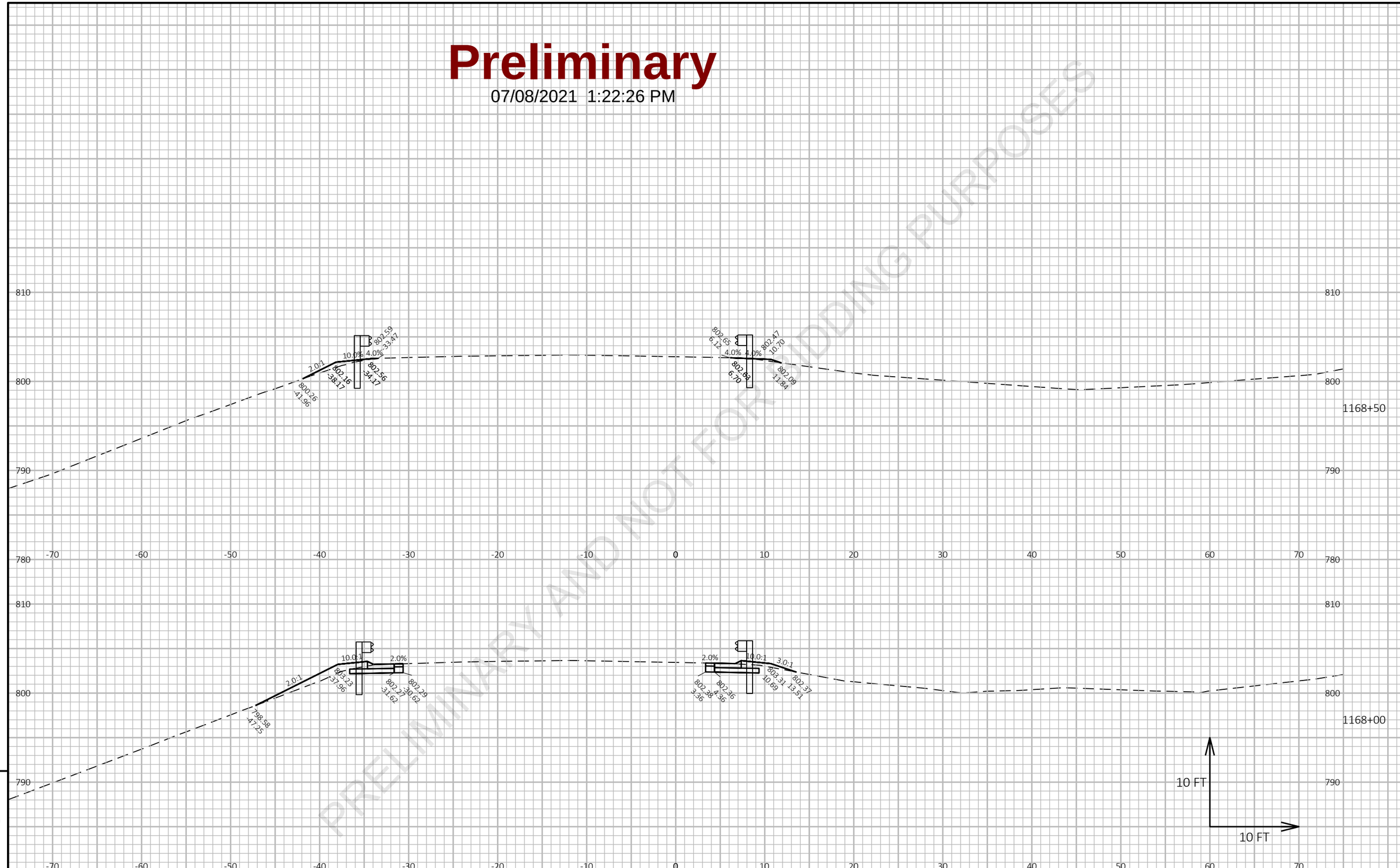

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT USH 10	SHEET	E

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LAYOUT NAME - IH43 SB @ USH 10 1

PLOT DATE : 3/5/2021 2:32 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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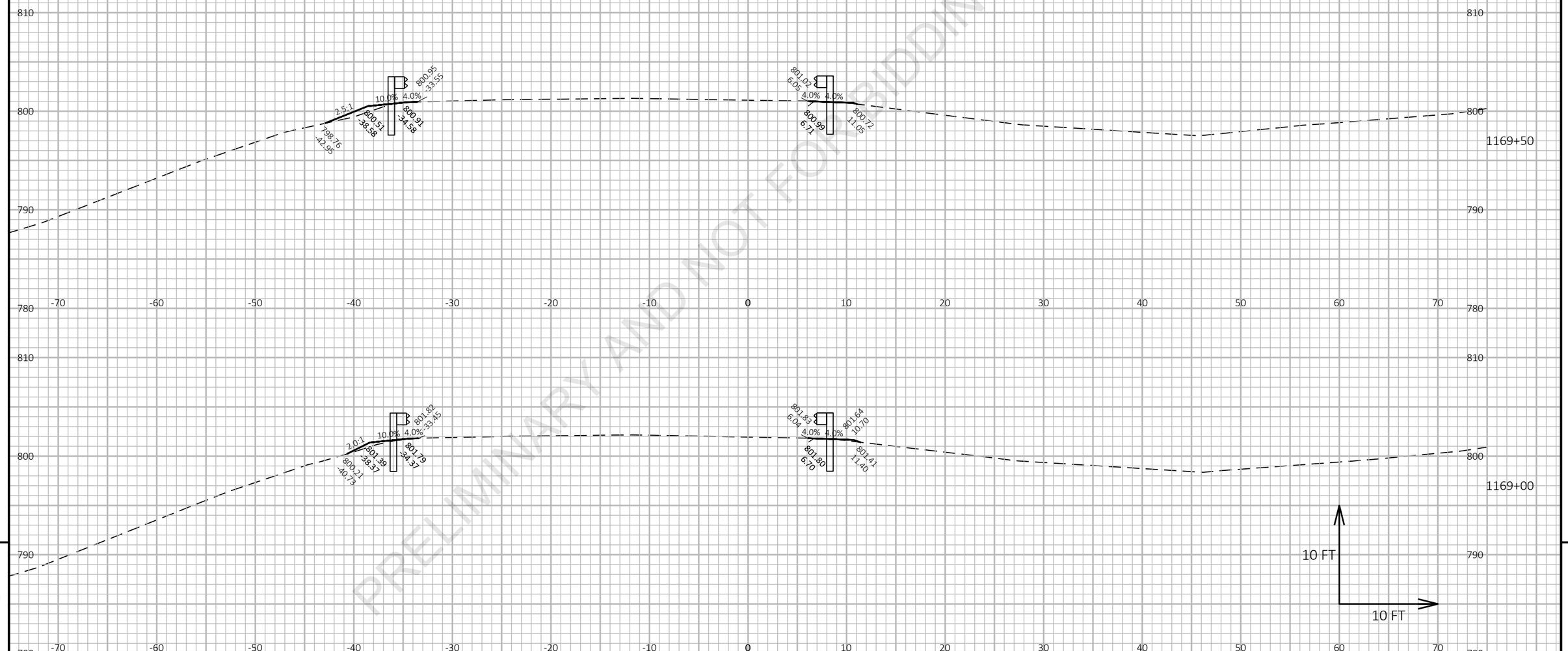

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT USH 10	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ USH 10 2

PLOT DATE : 3/5/2021 2:32 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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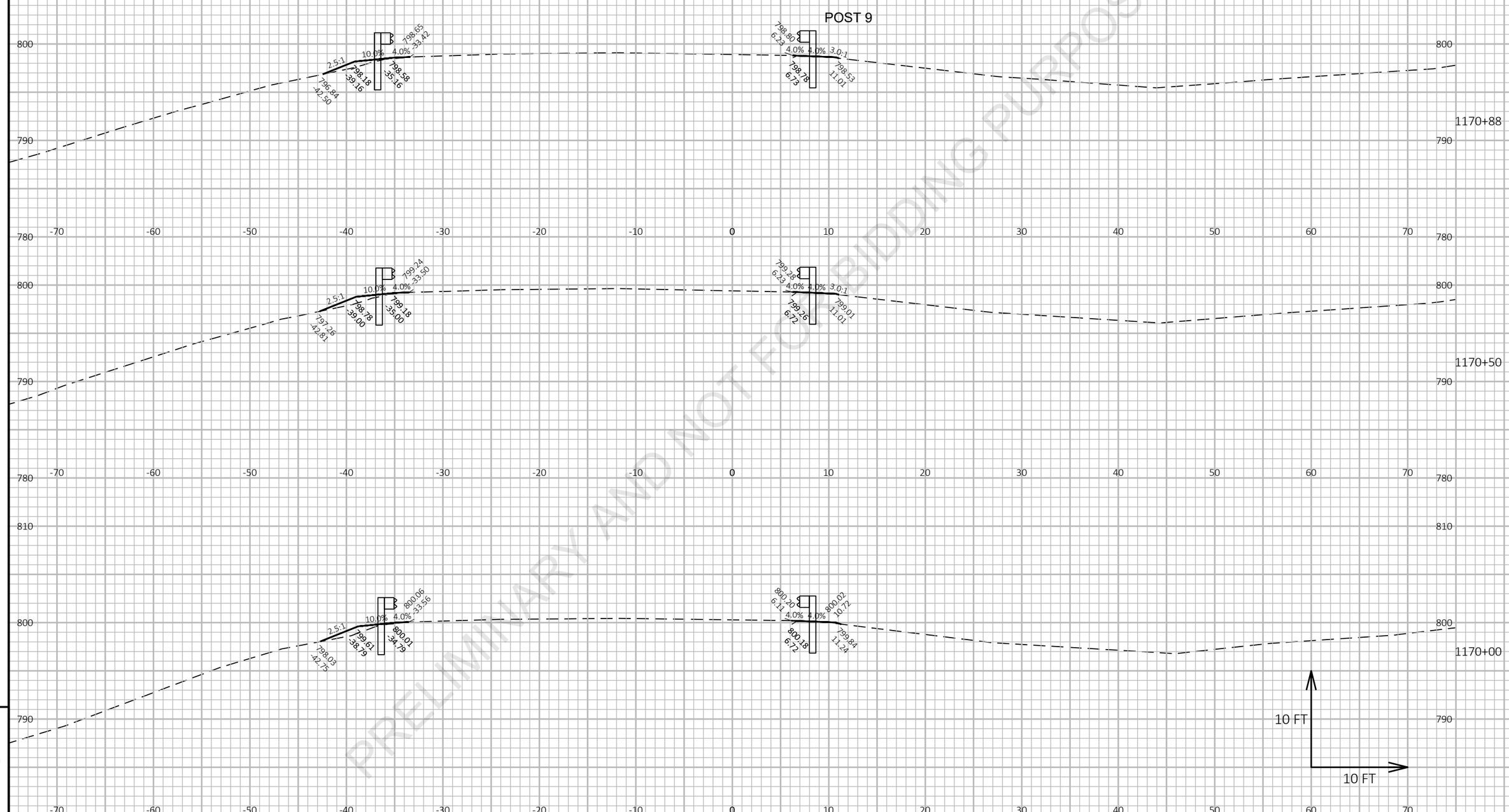

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT USH 10	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
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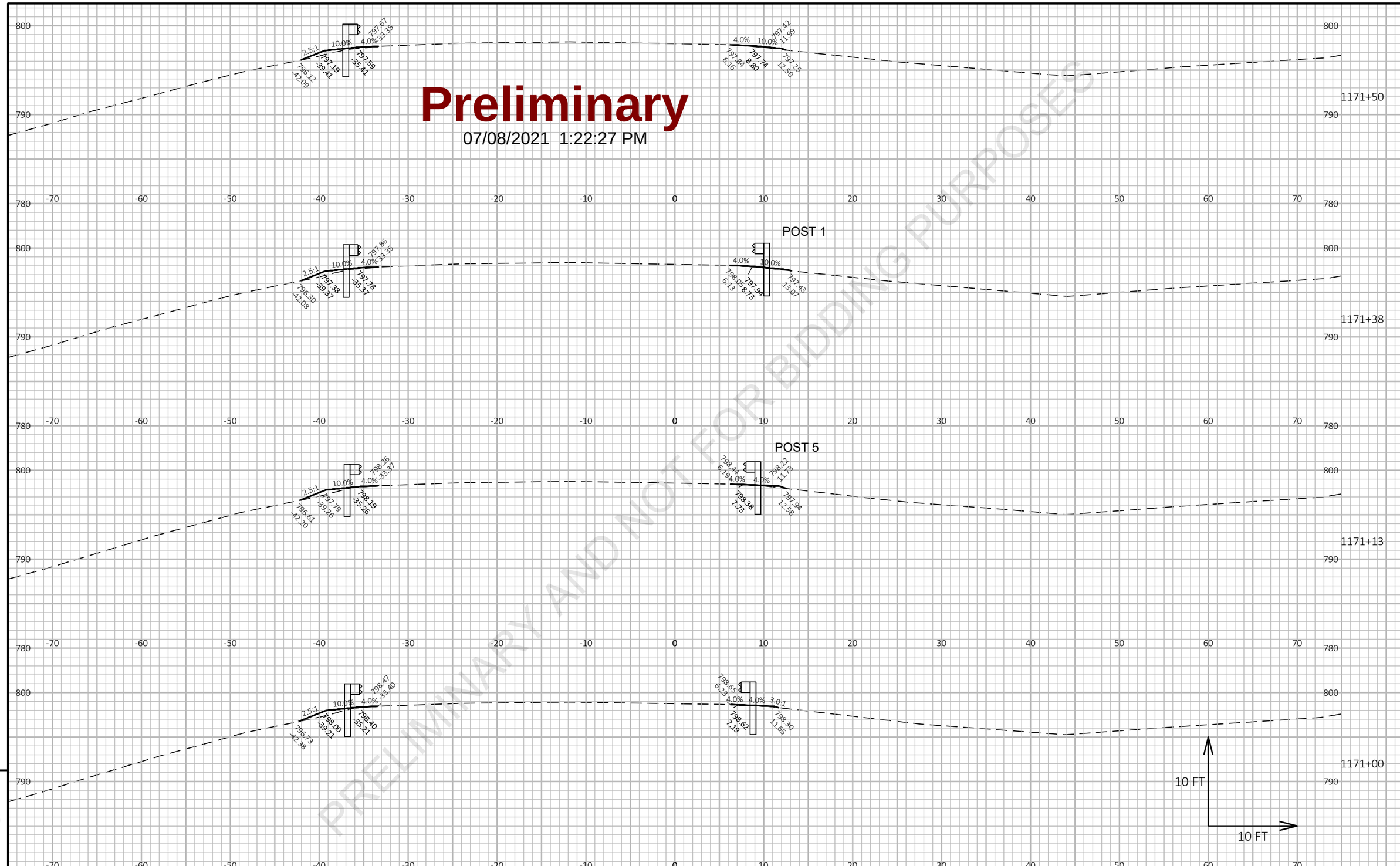

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT USH 10	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
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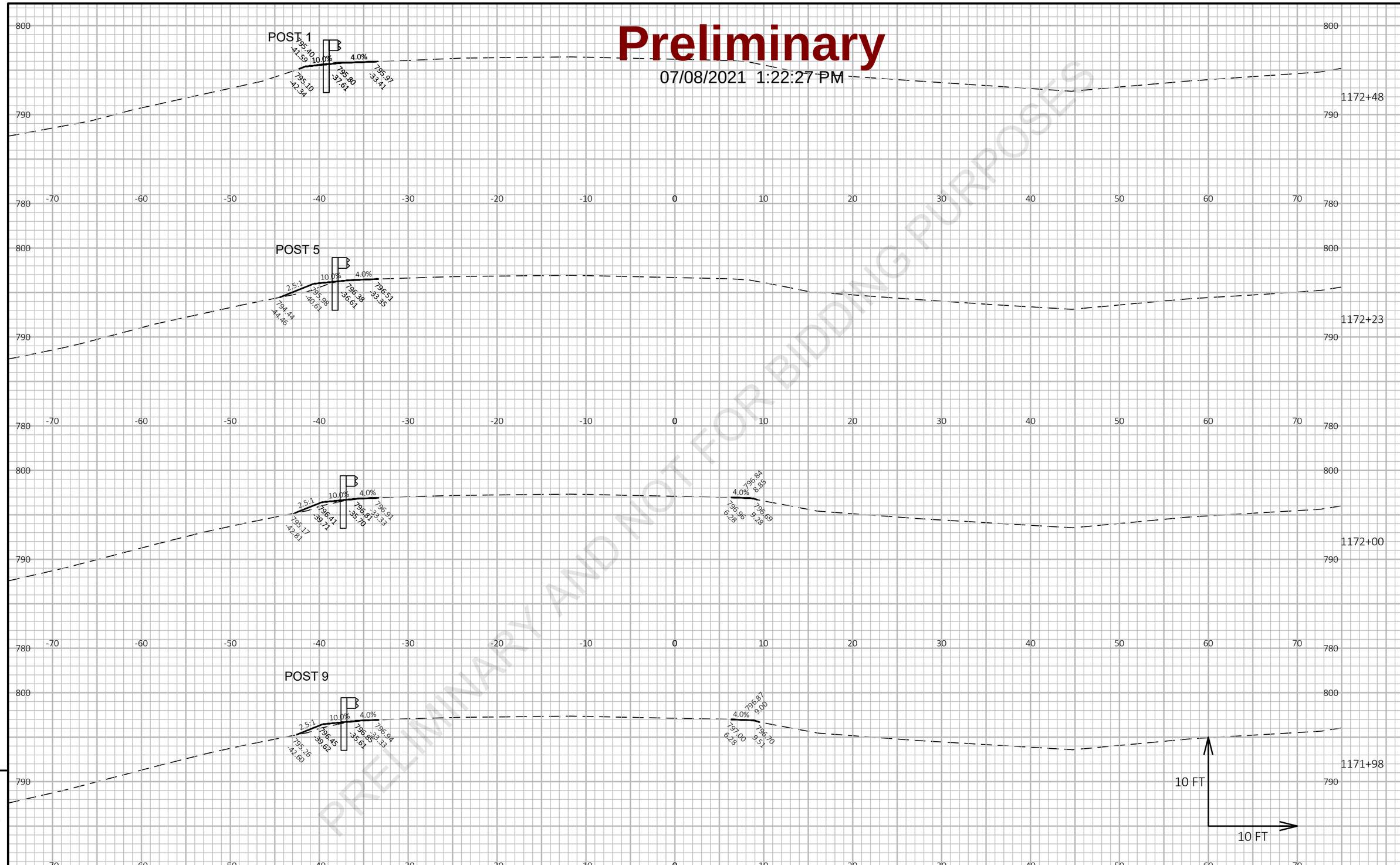

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT USH 10	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
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PLOT NAME :
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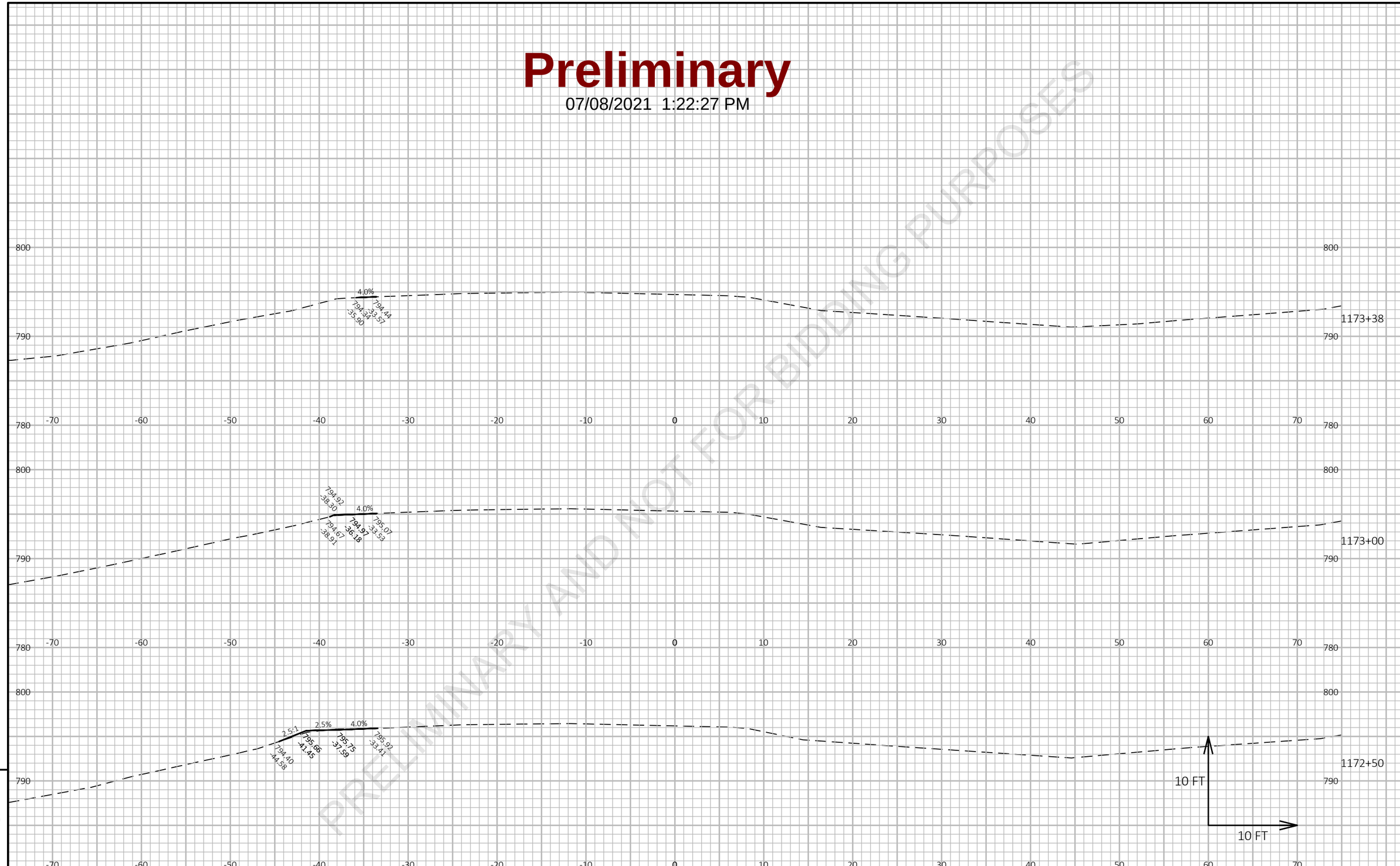

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT USH 10	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ USH 10 6

PLOT DATE : 3/5/2021 2:33 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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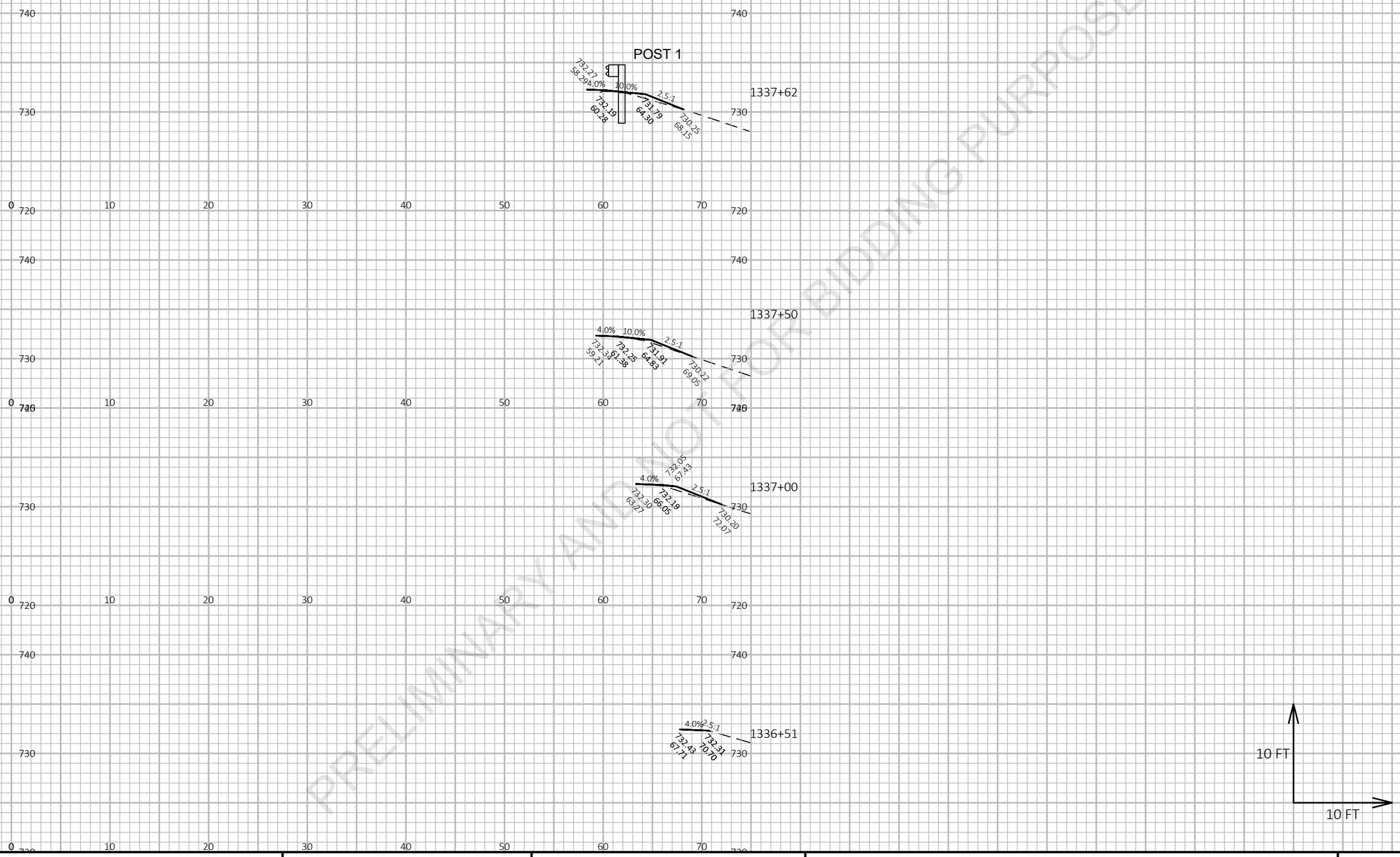

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 1

PLOT DATE : 3/9/2021 10:02 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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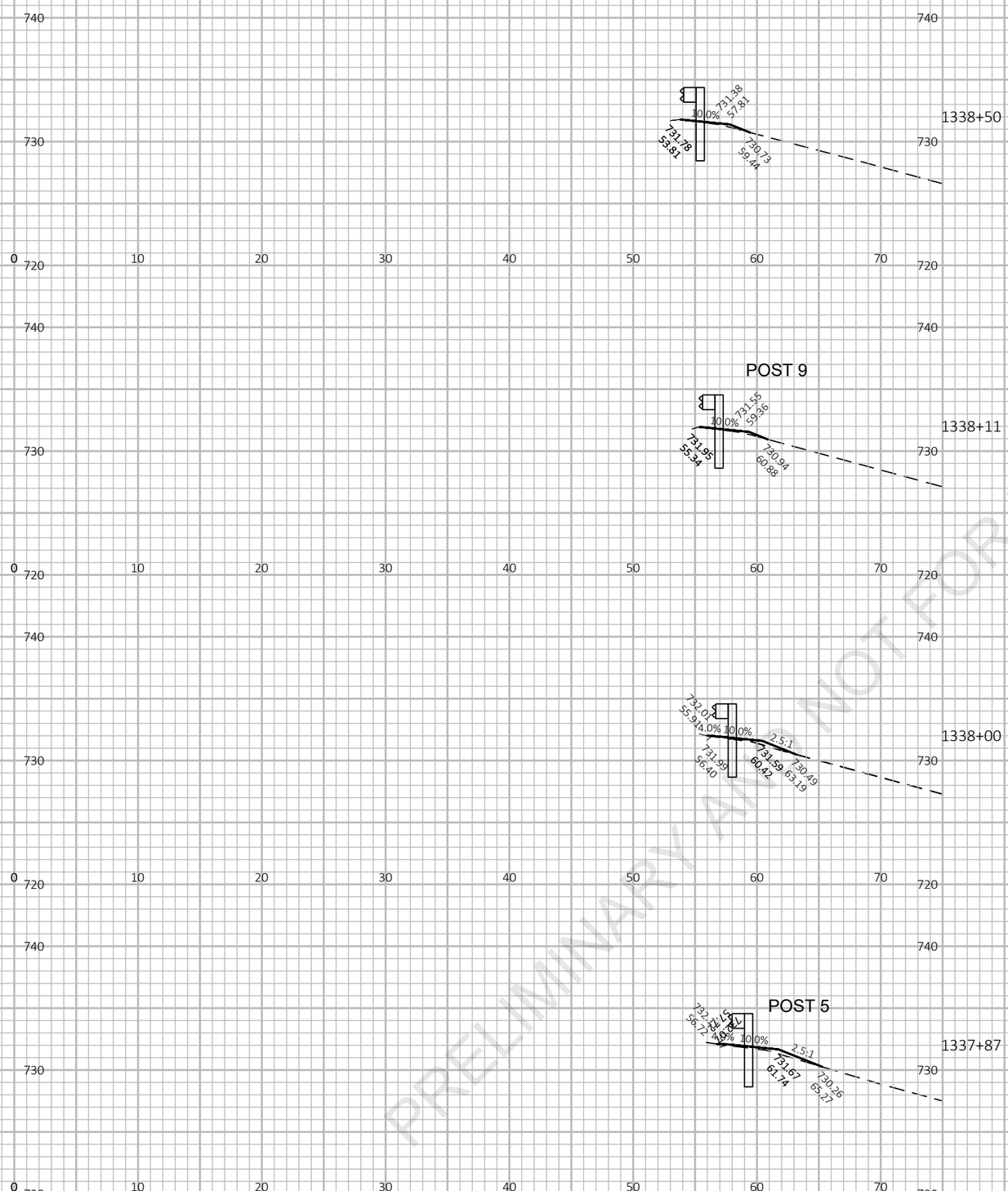

PRELIMINARY AND NOT FOR BIDDING PURPOSES

10 FT

10 FT

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 2

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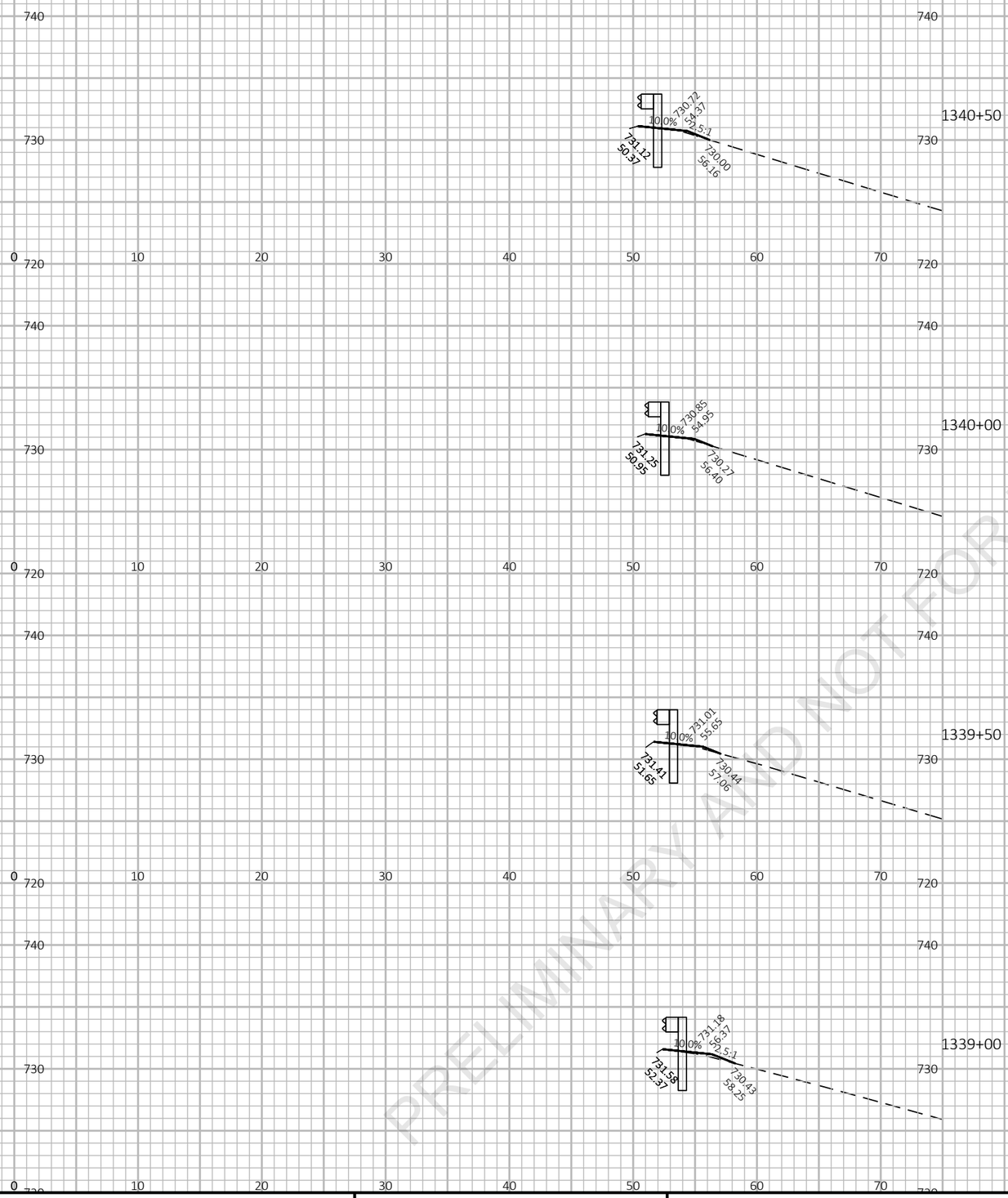
WISDOT/CADDS SHEET 49



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PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 3

PLOT DATE : 3/9/2021 10:02 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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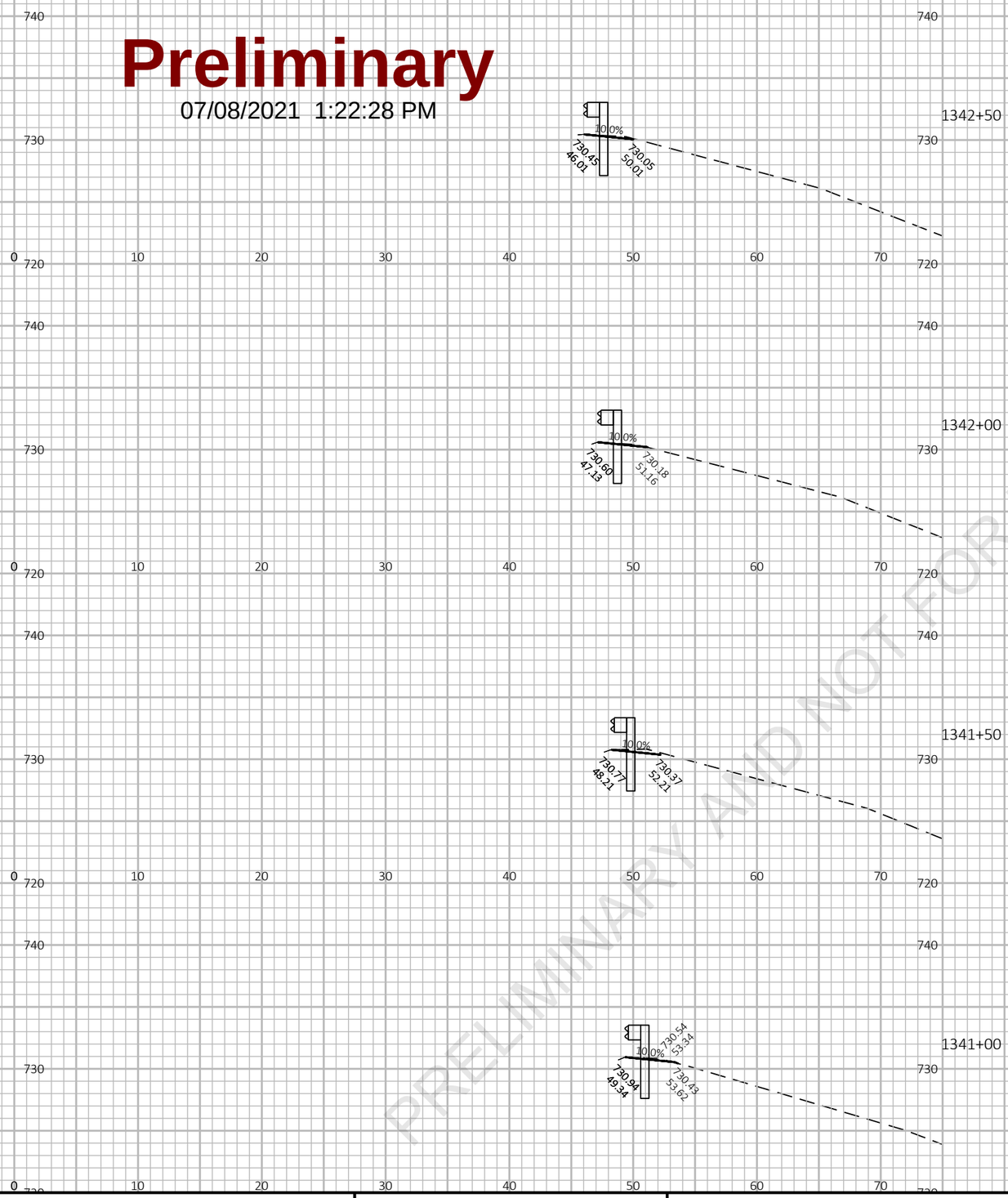

PRELIMINARY AND NOT FOR BIDDING PURPOSES

10 FT

10 FT

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 4

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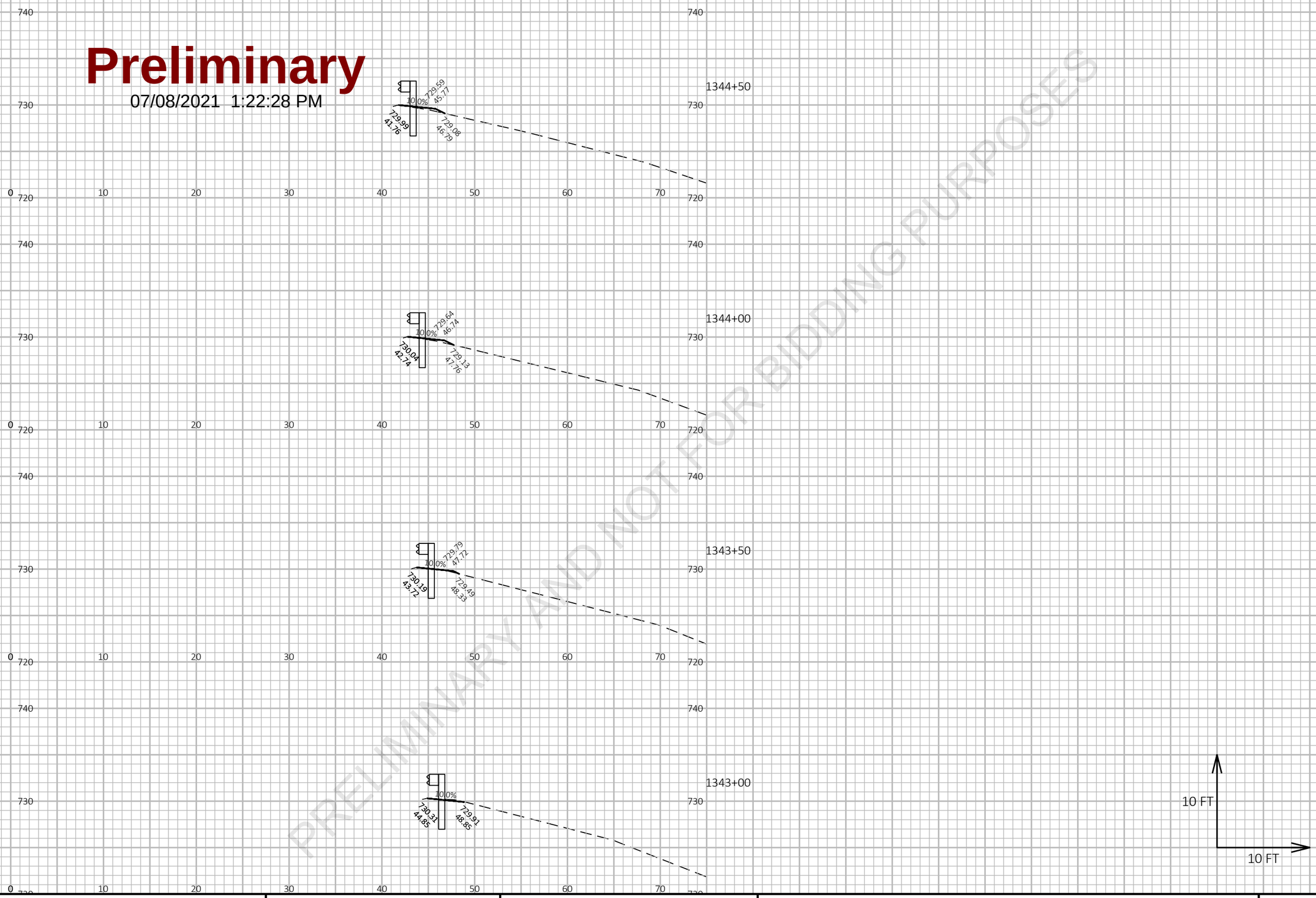

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 5

PLOT DATE : 3/9/2021 10:03 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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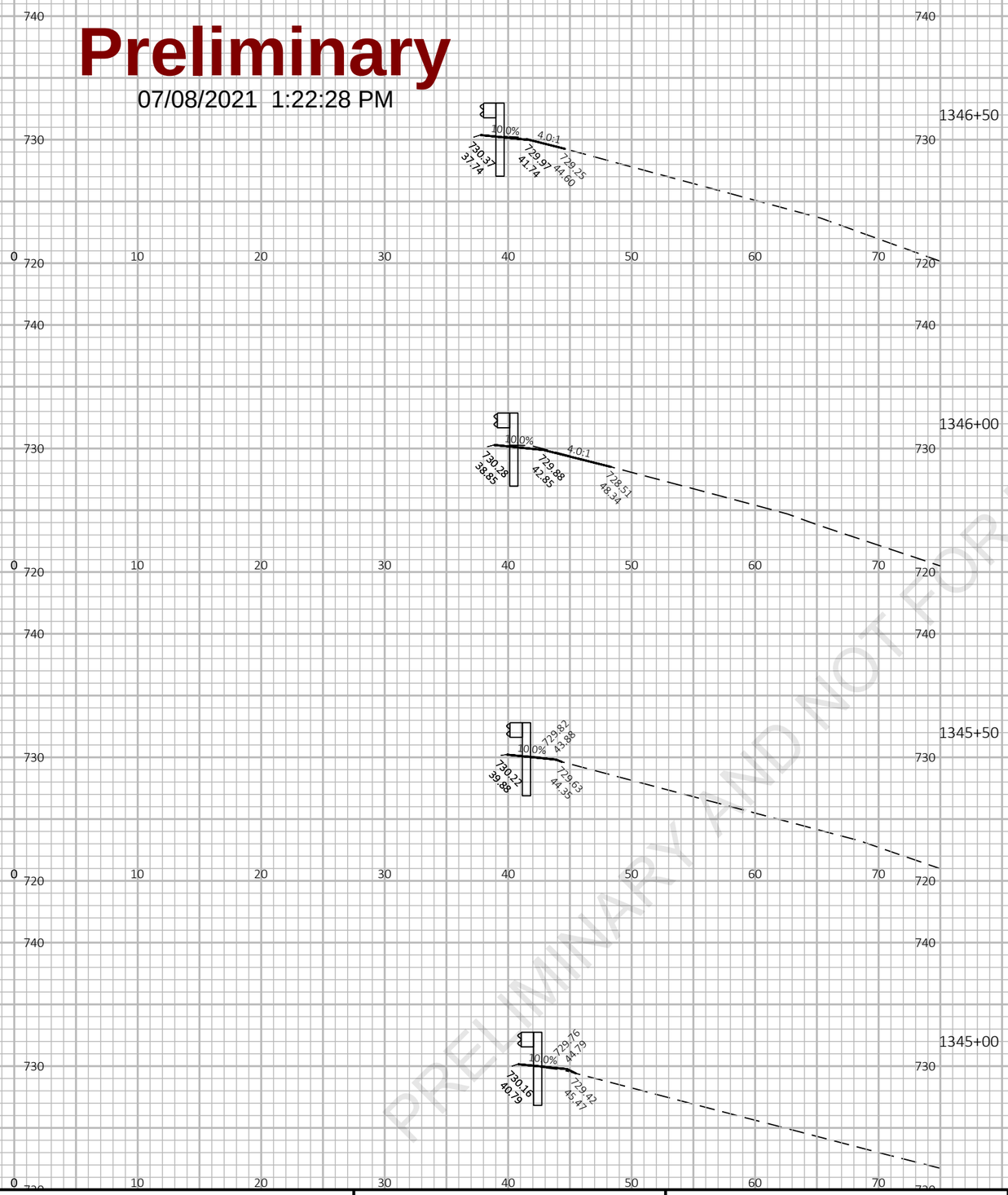


PRELIMINARY AND NOT FOR BIDDING PURPOSES

10 FT

10 FT

9

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

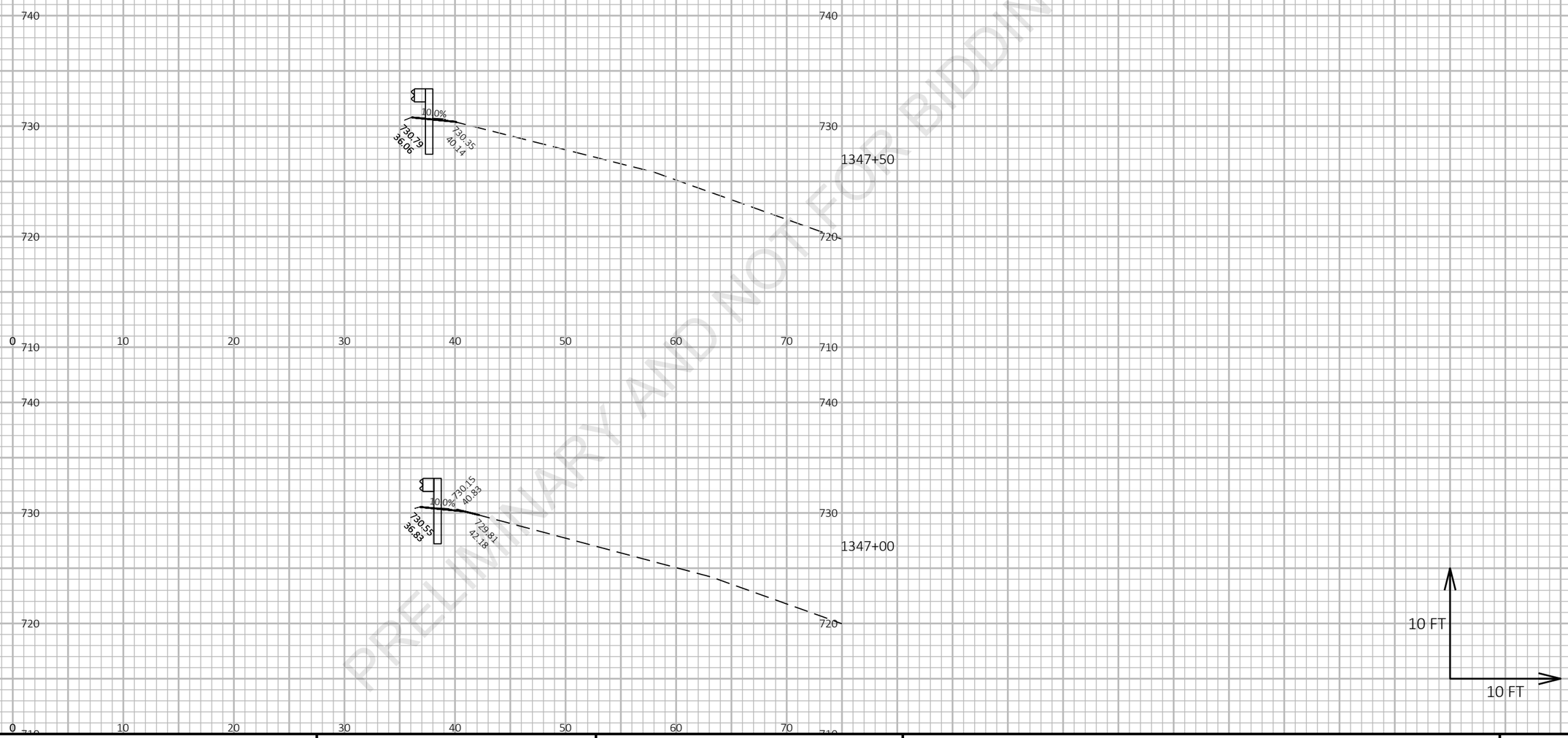
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 6

PLOT DATE : 3/9/2021 10:03 AM 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 1:22:28 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 7

PLOT DATE : 3/9/2021 10:04 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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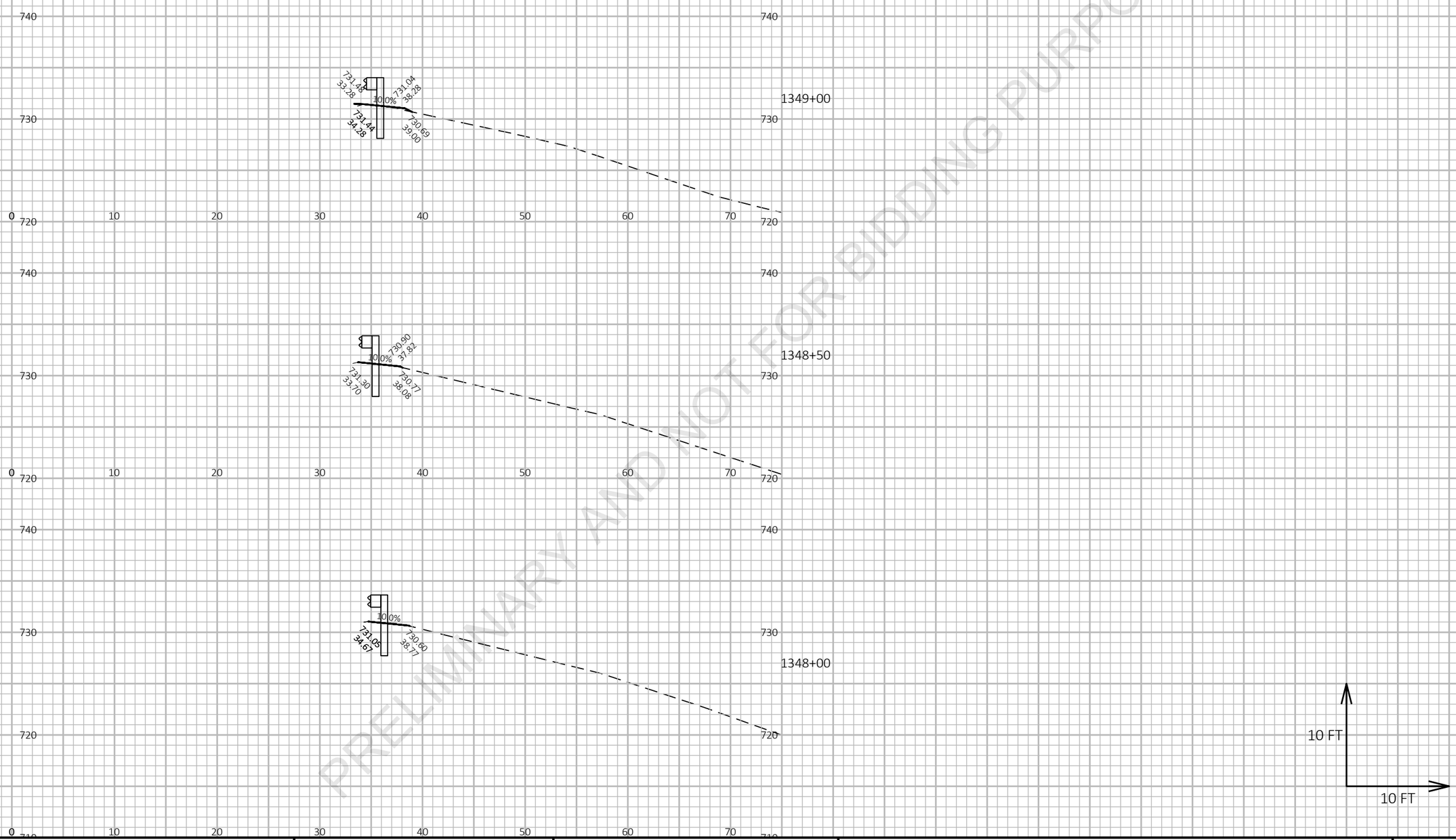

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 8

PLOT DATE : 3/9/2021 10:04 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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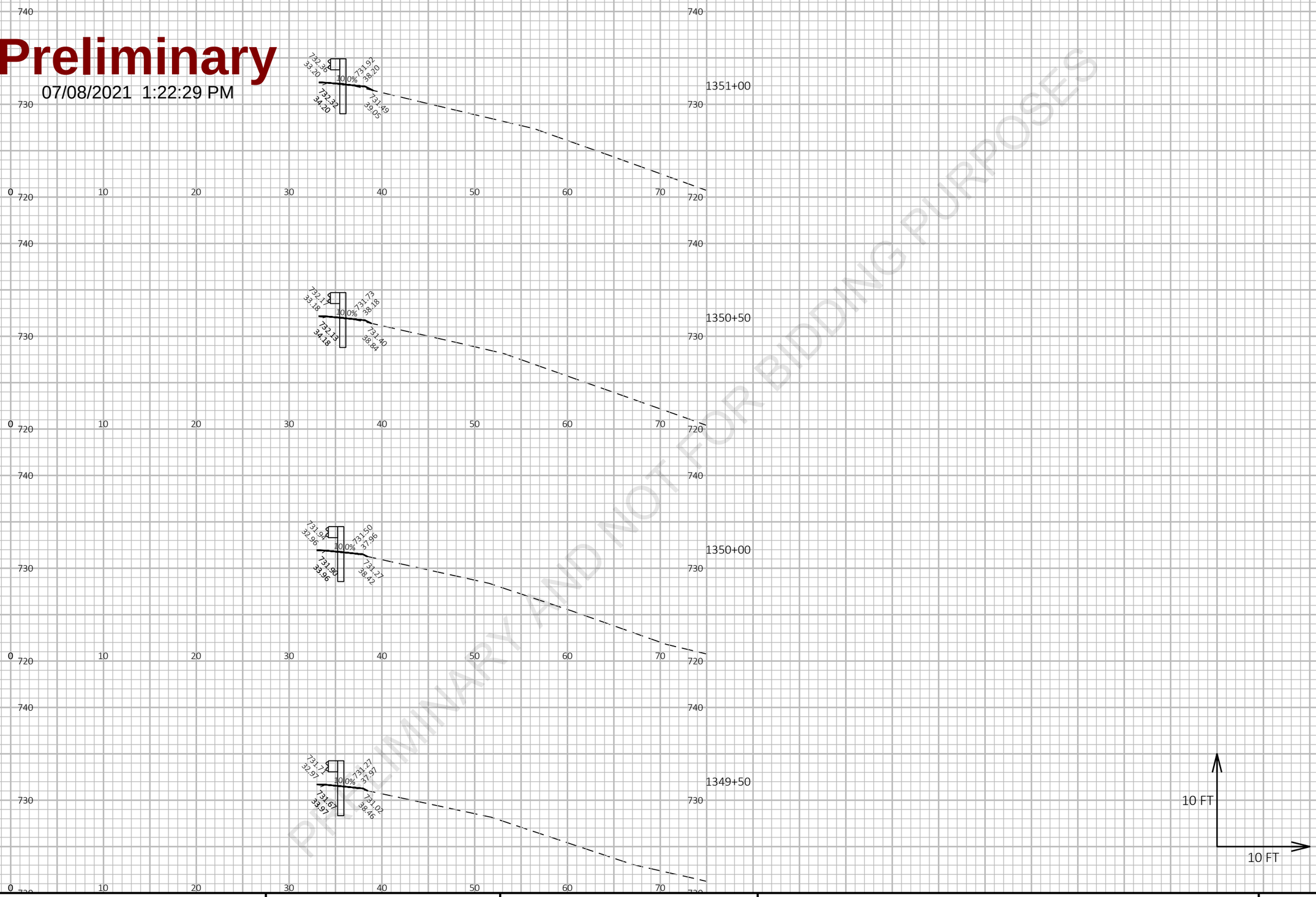

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

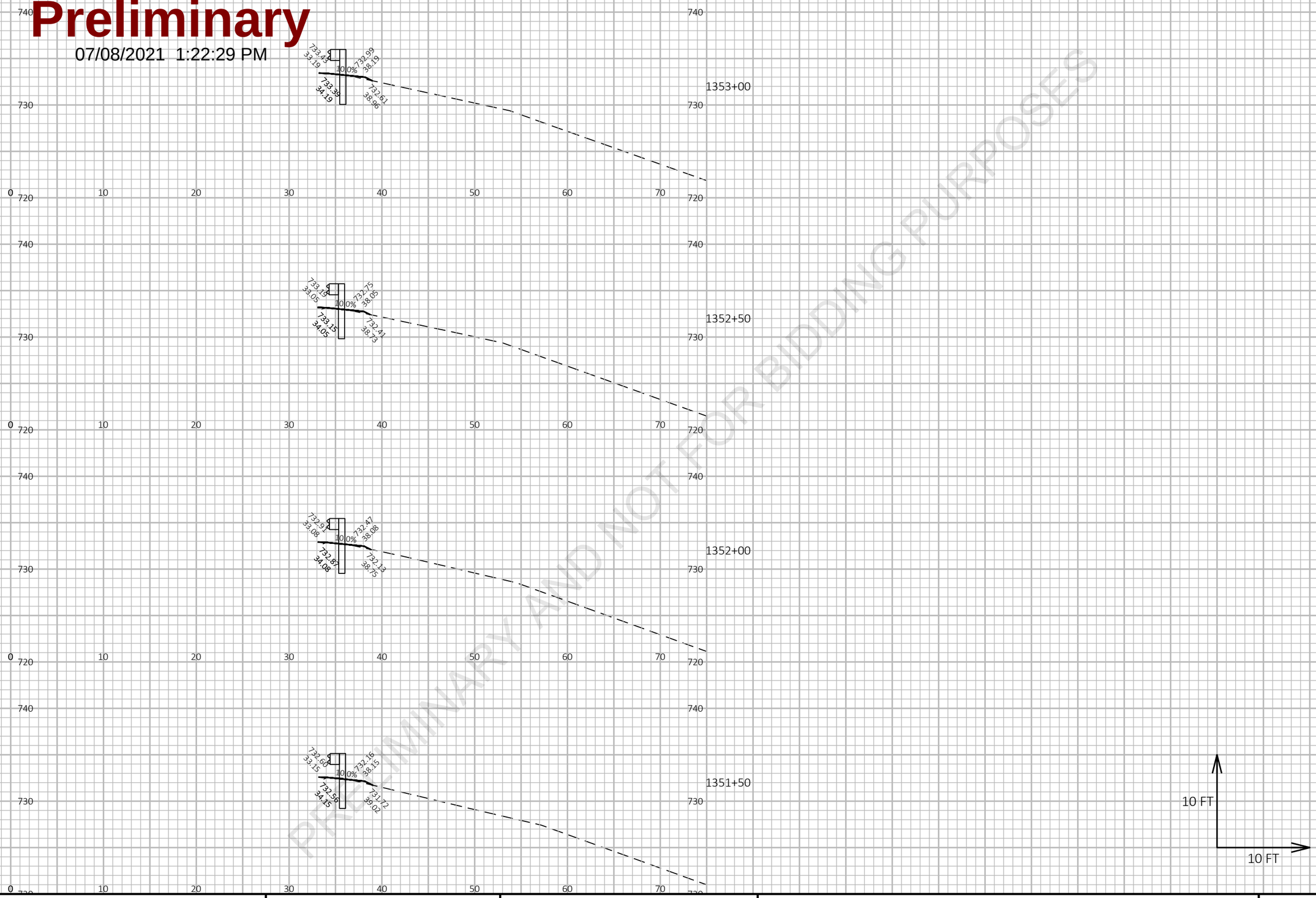
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 9

PLOT DATE : 3/9/2021 10:04 AM 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 1:22:29 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 10

PLOT DATE : 3/9/2021 10:05 AM 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 1:22:29 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH V RAMP	SHEET	E

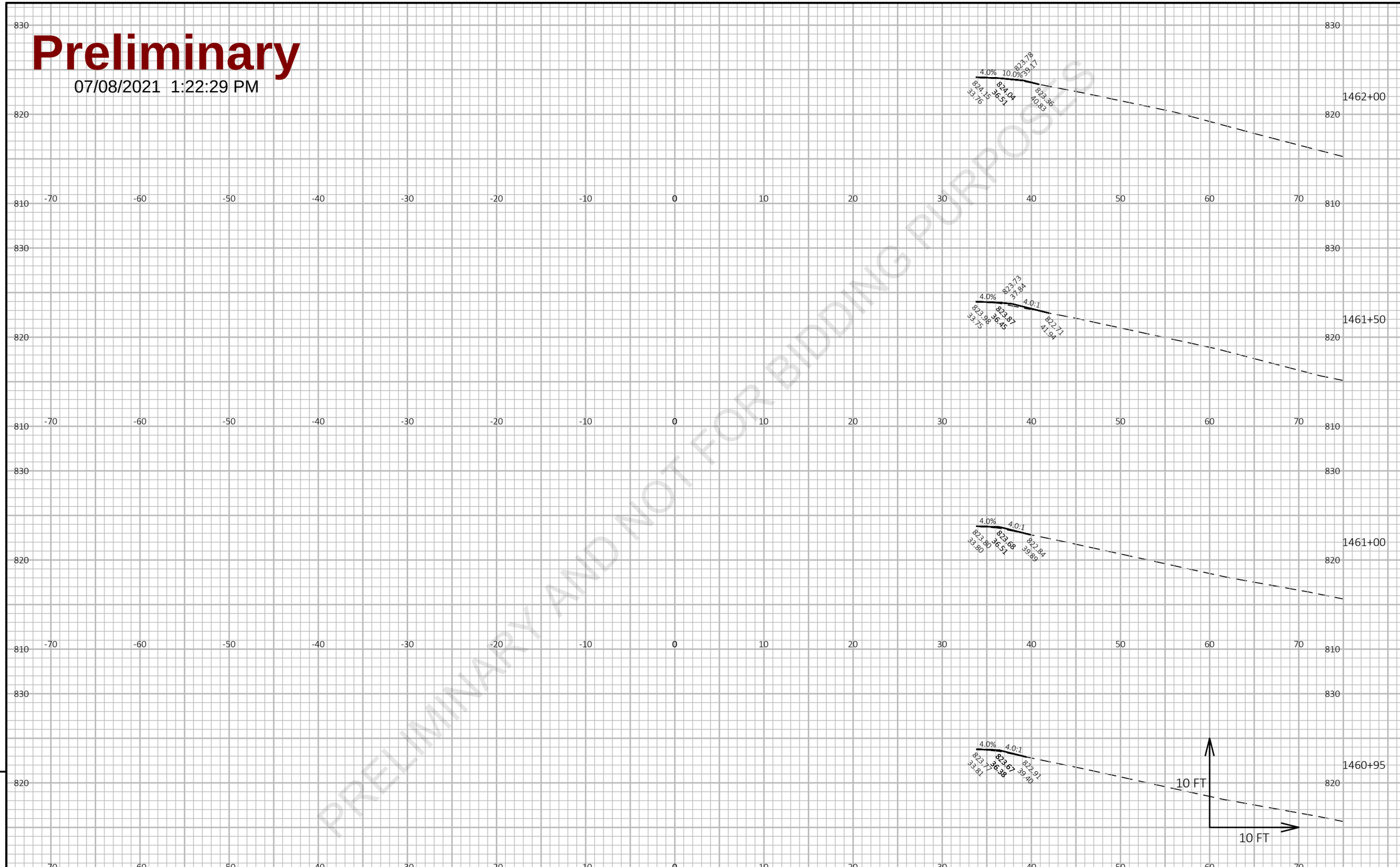
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH V RAMP 11

PLOT DATE : 3/9/2021 10:05 AM 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 1:22:29 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

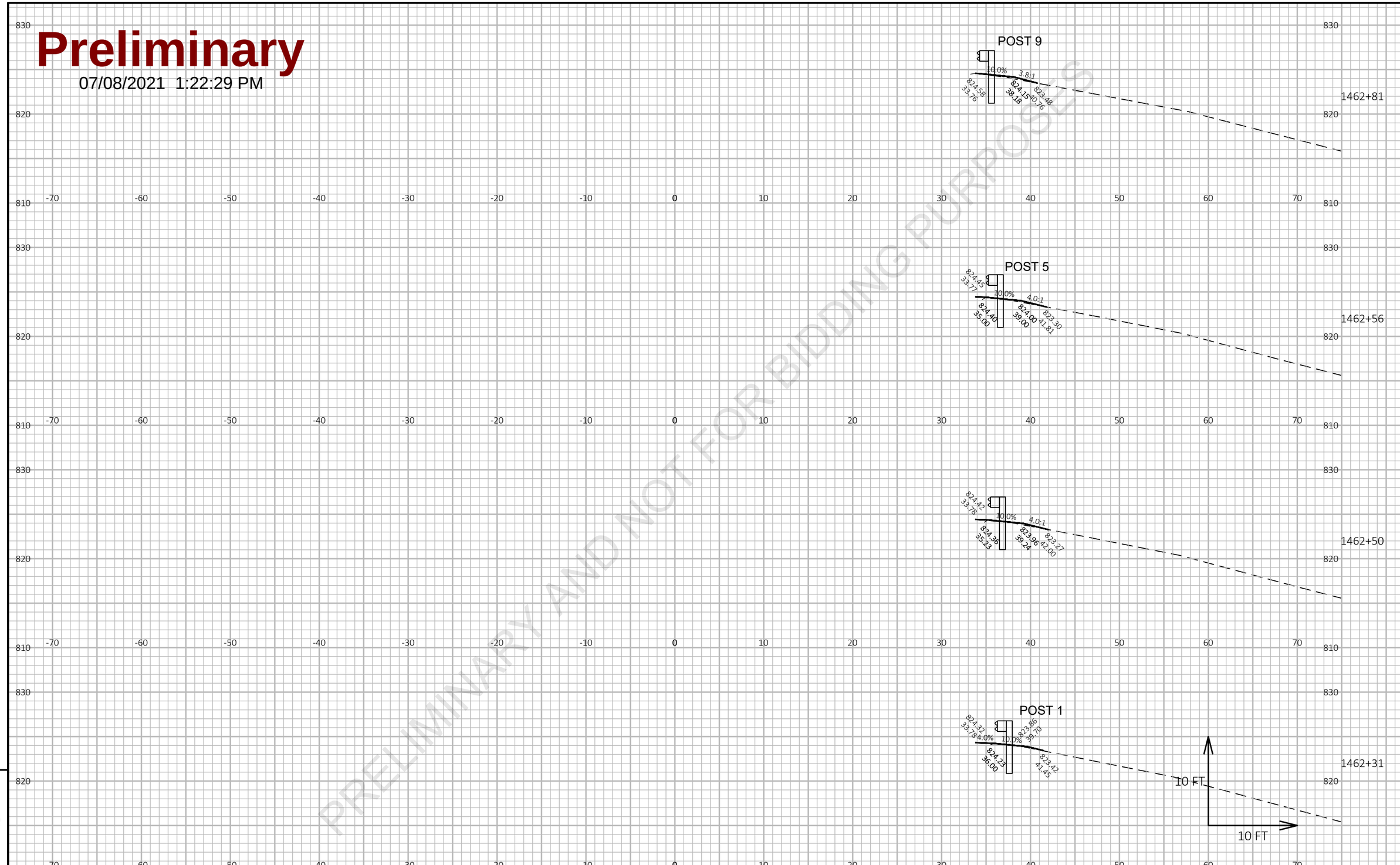
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 1

PLOT DATE : 3/9/2021 10:08 AM 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 1:22:29 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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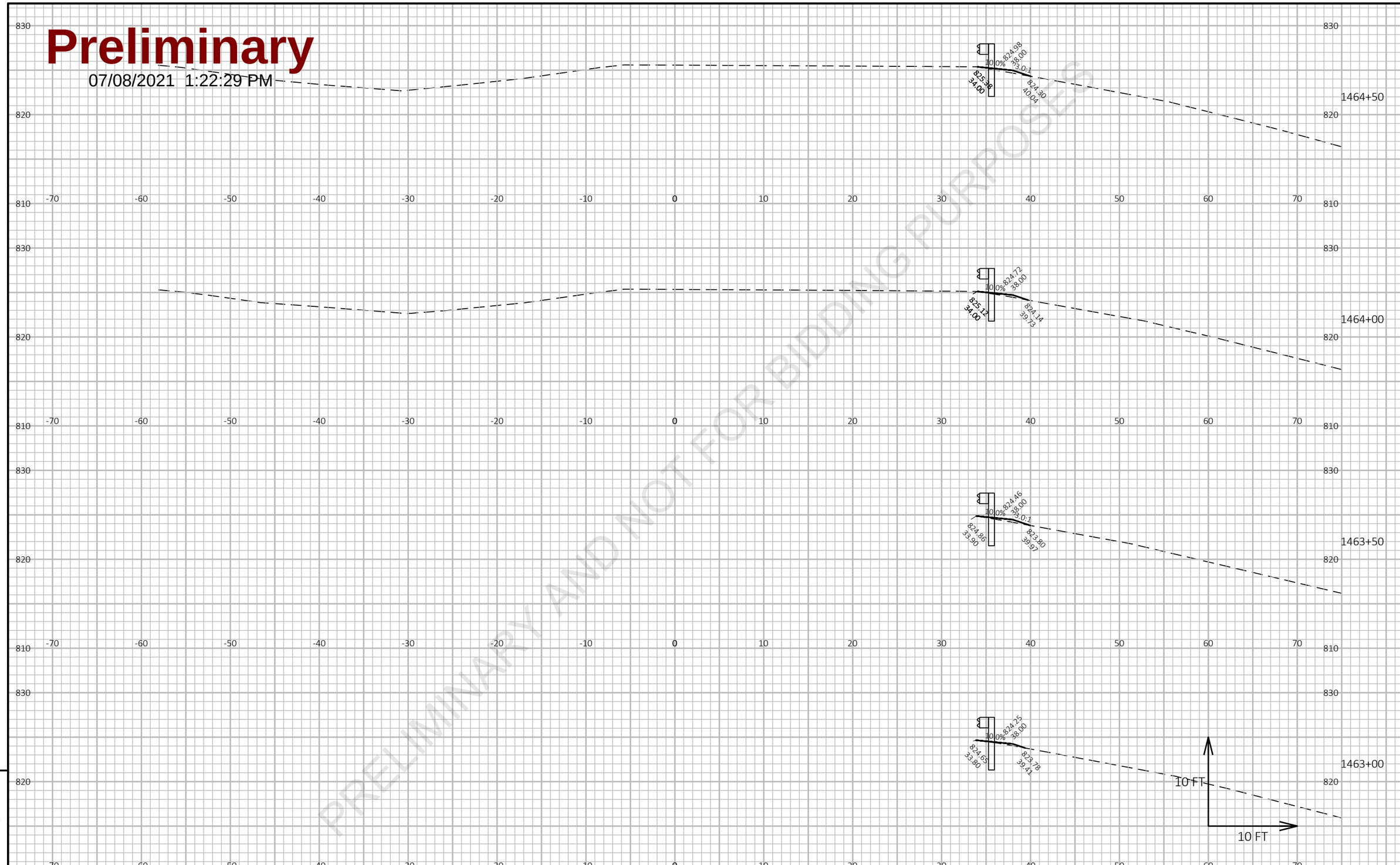
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 2

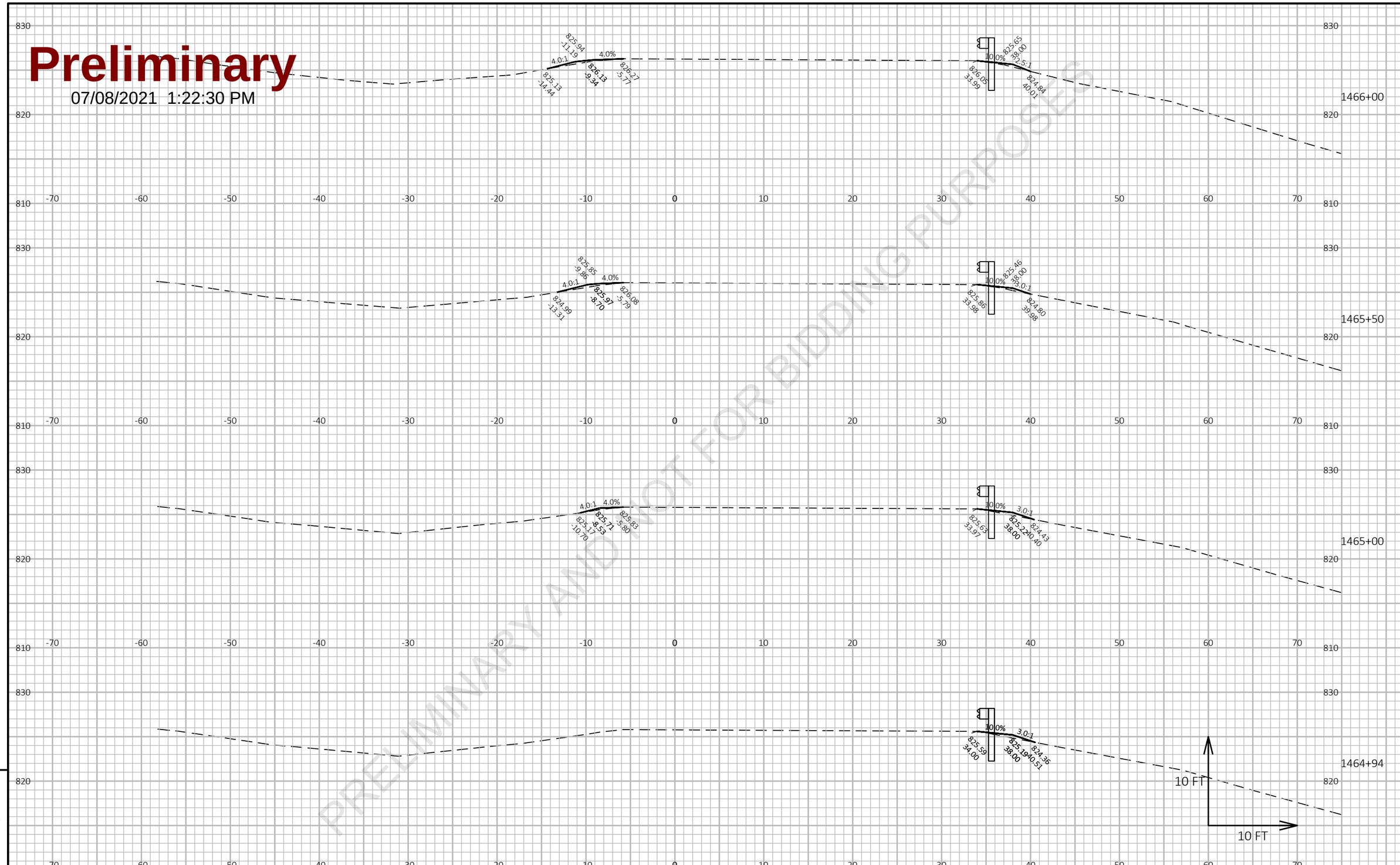
PLOT DATE : 3/9/2021 10:09 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



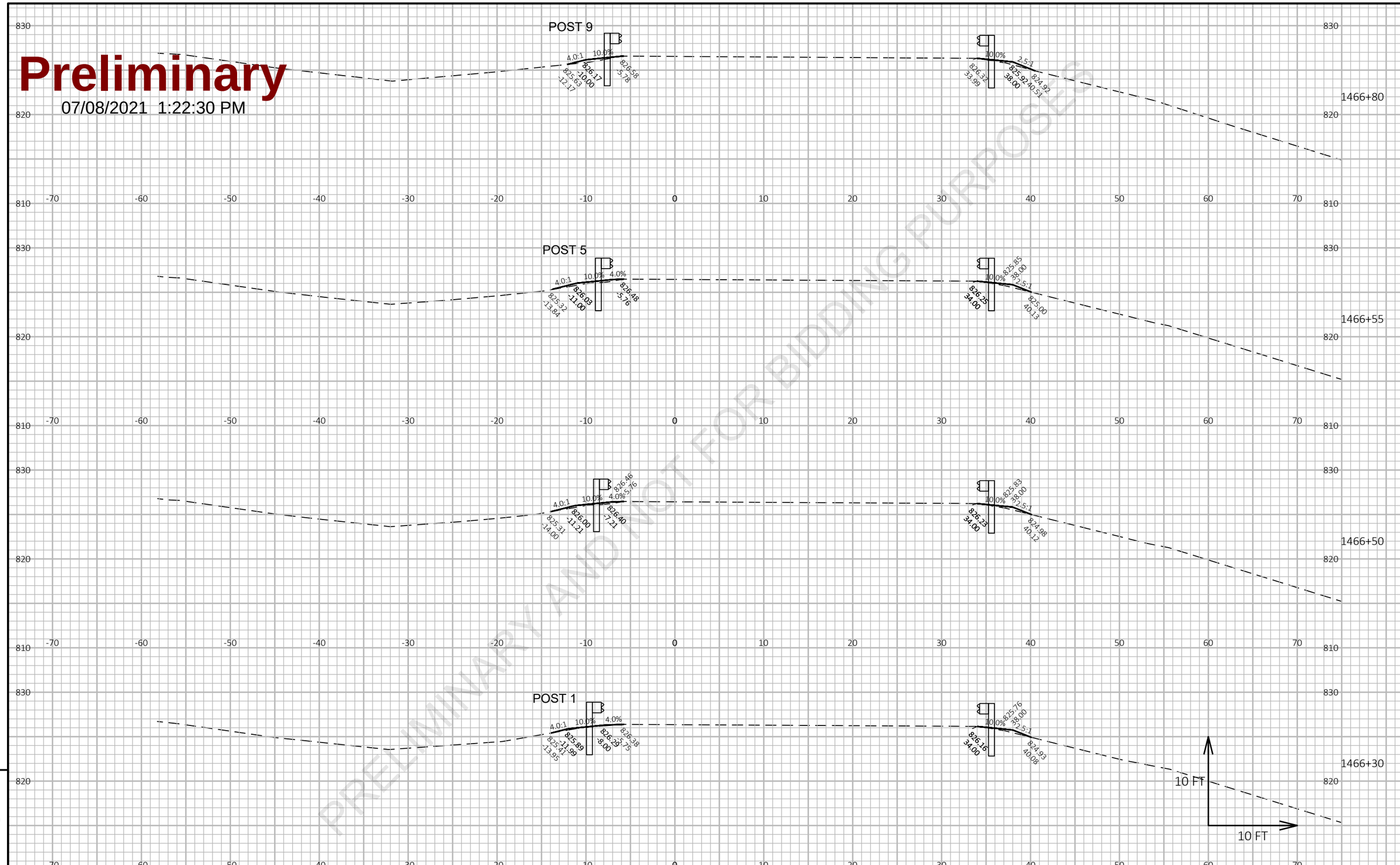
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 3
PLOT DATE : 3/9/2021 10:09 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



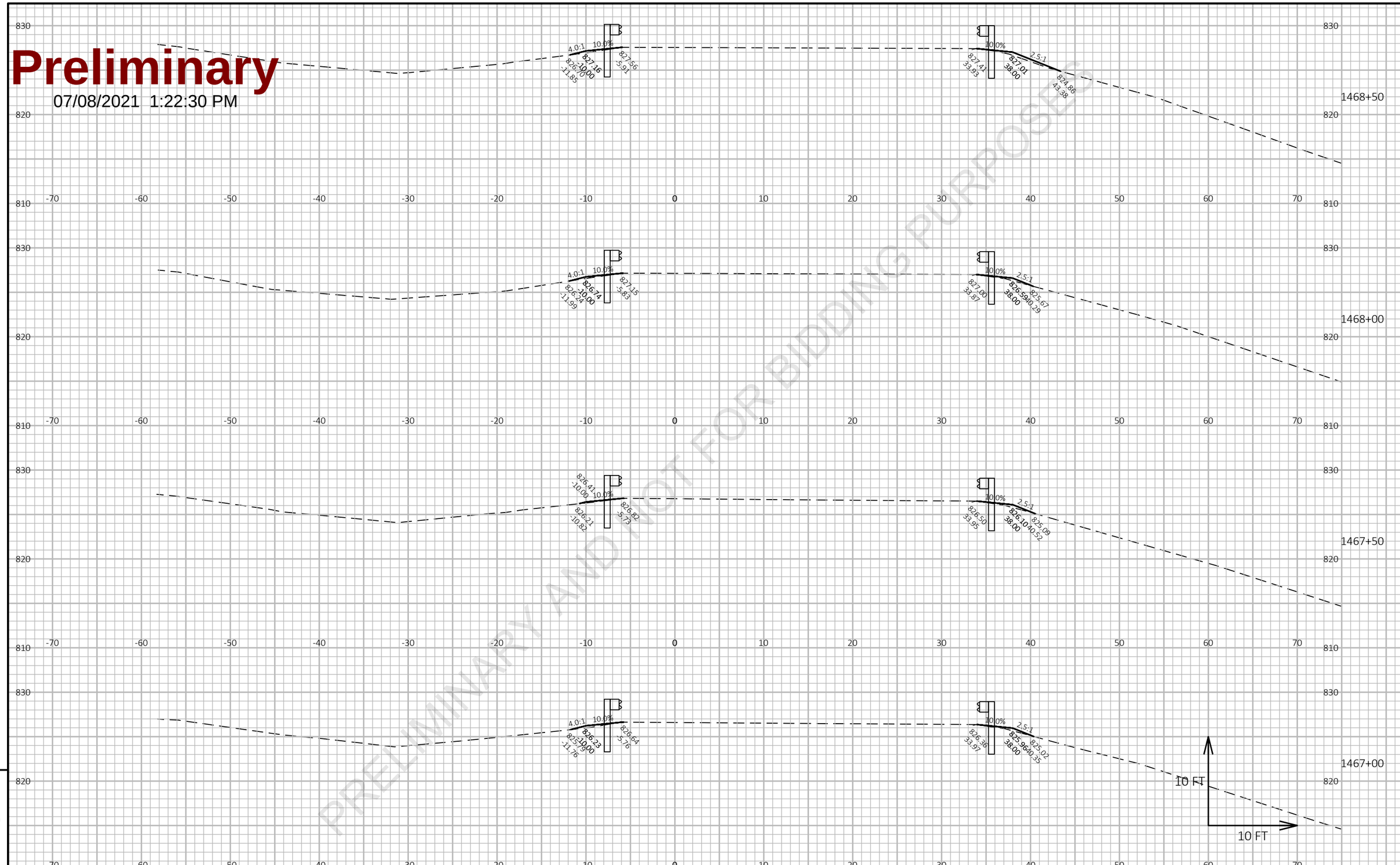
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 4
PLOT DATE : 3/9/2021 10:09 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 5
PLOT DATE : 3/9/2021 10:10 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

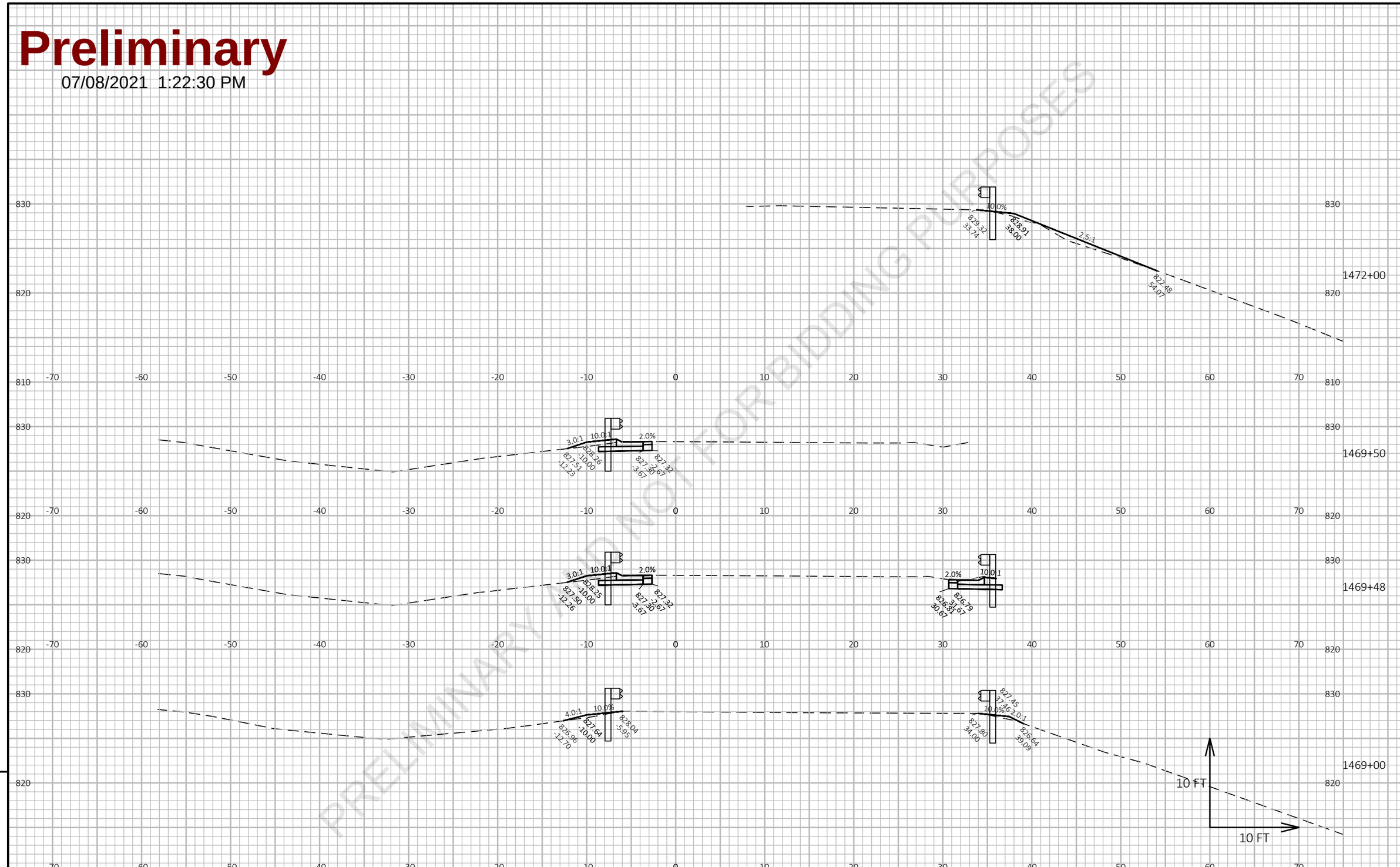


PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 6
PLOT DATE : 3/9/2021 10:10 AM
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 1:22:30 PM



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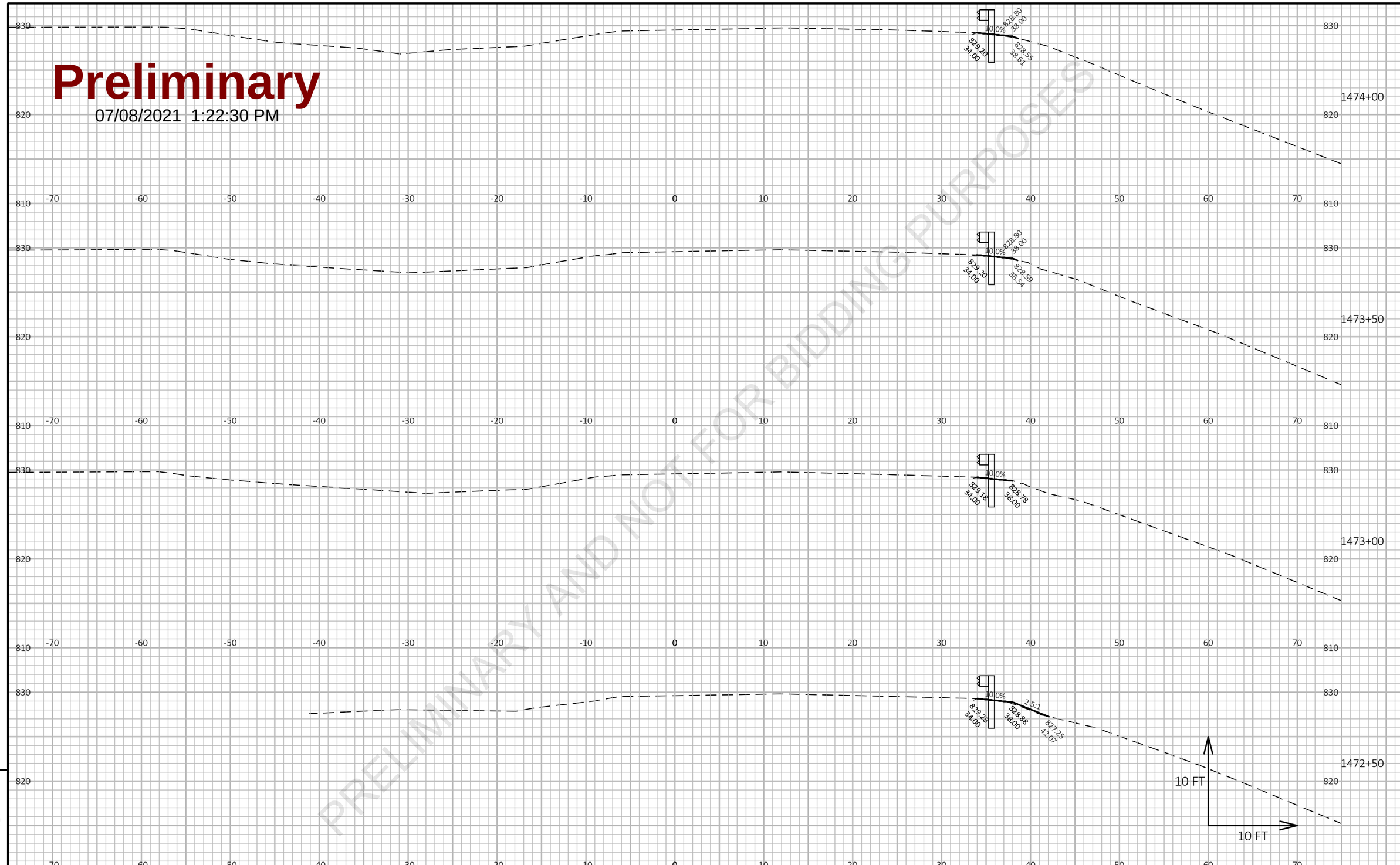
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 7

PLOT DATE : 3/9/2021 10:10 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

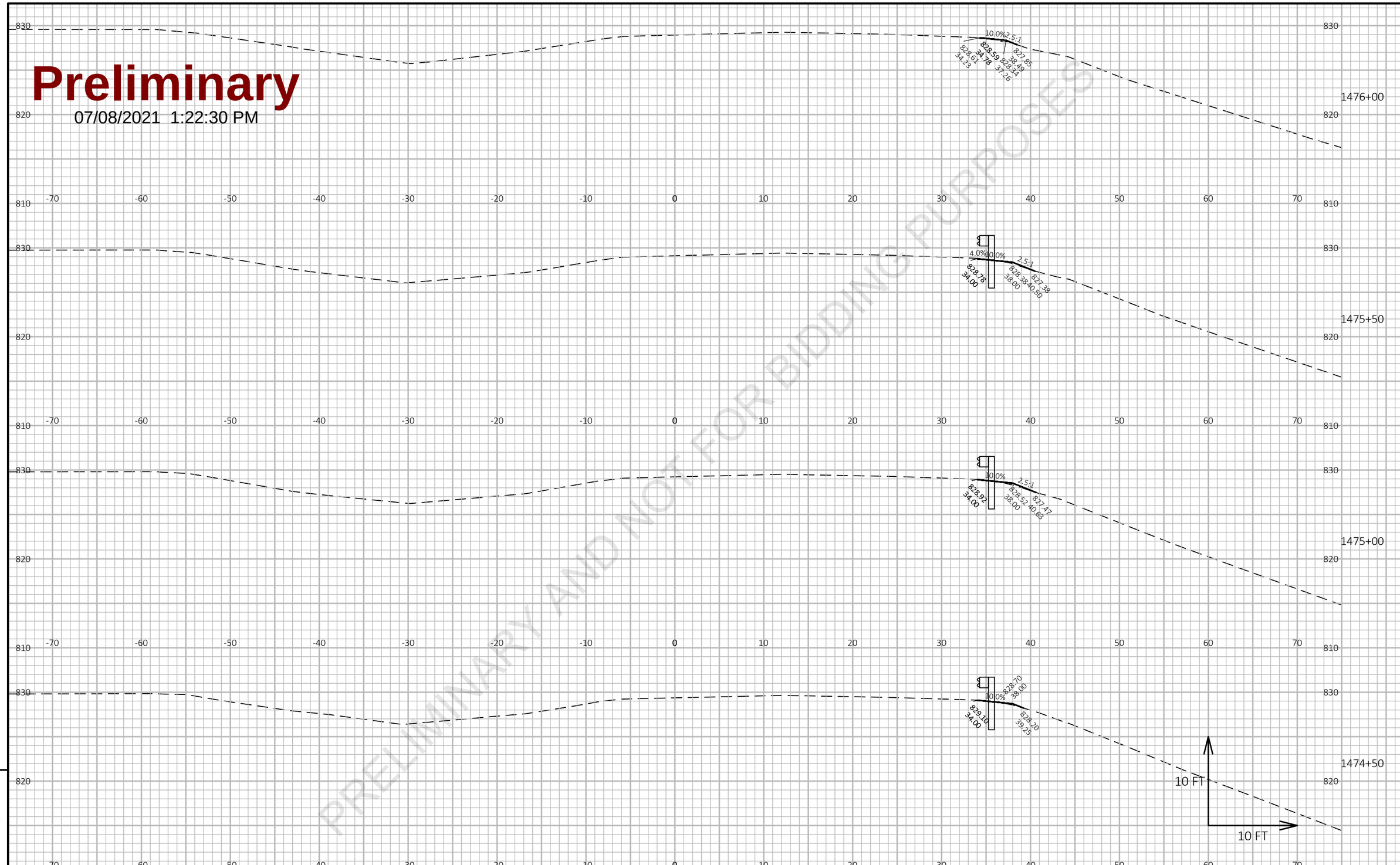
WISDOT/CADDS SHEET 49



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 8
PLOT DATE : 3/9/2021 10:11 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 9
PLOT DATE : 3/9/2021 10:11 AM 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 1:22:31 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ CTH K 10

PLOT DATE : 3/9/2021 10:11 AM 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 1:22:31 PM

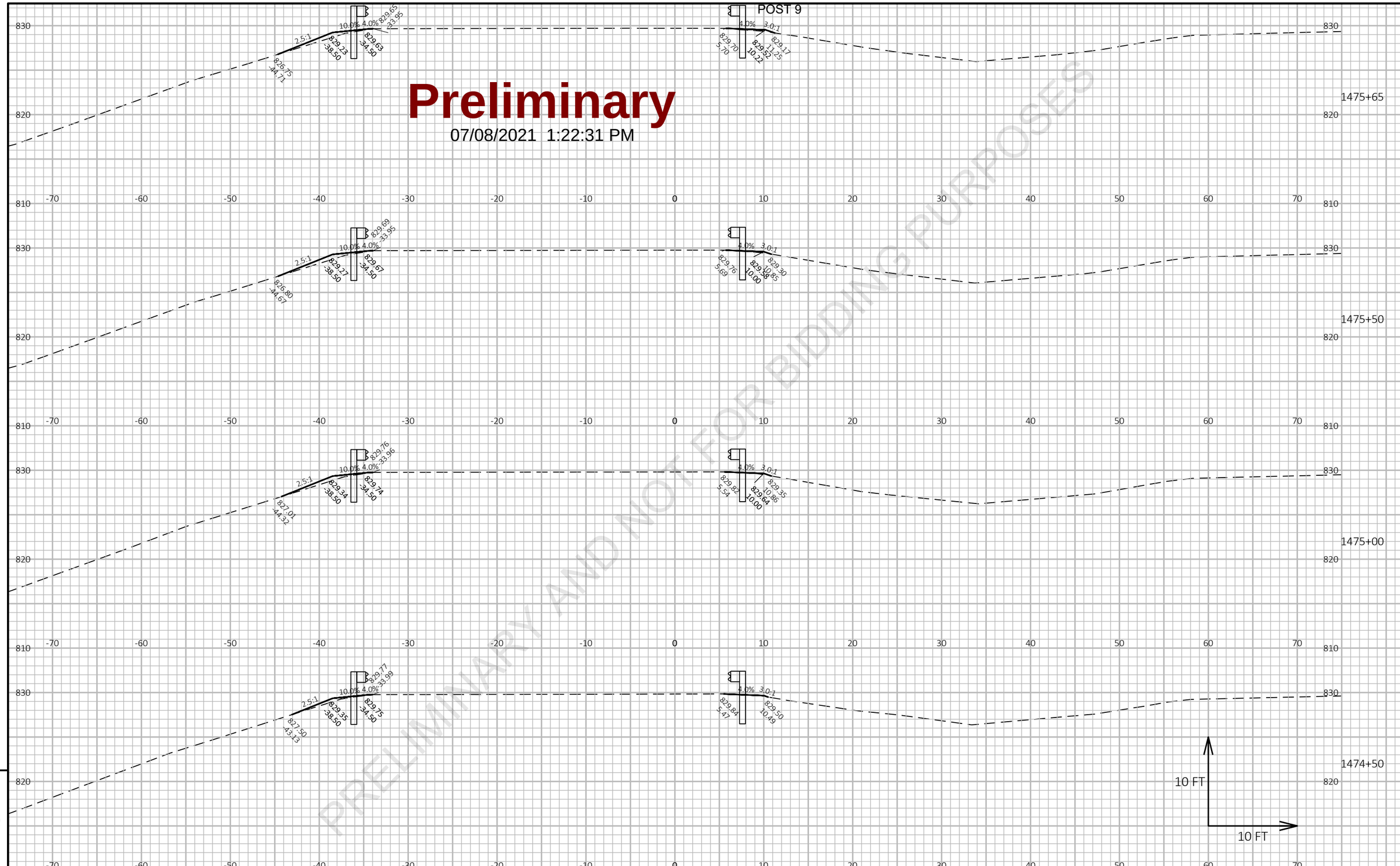
PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET	E

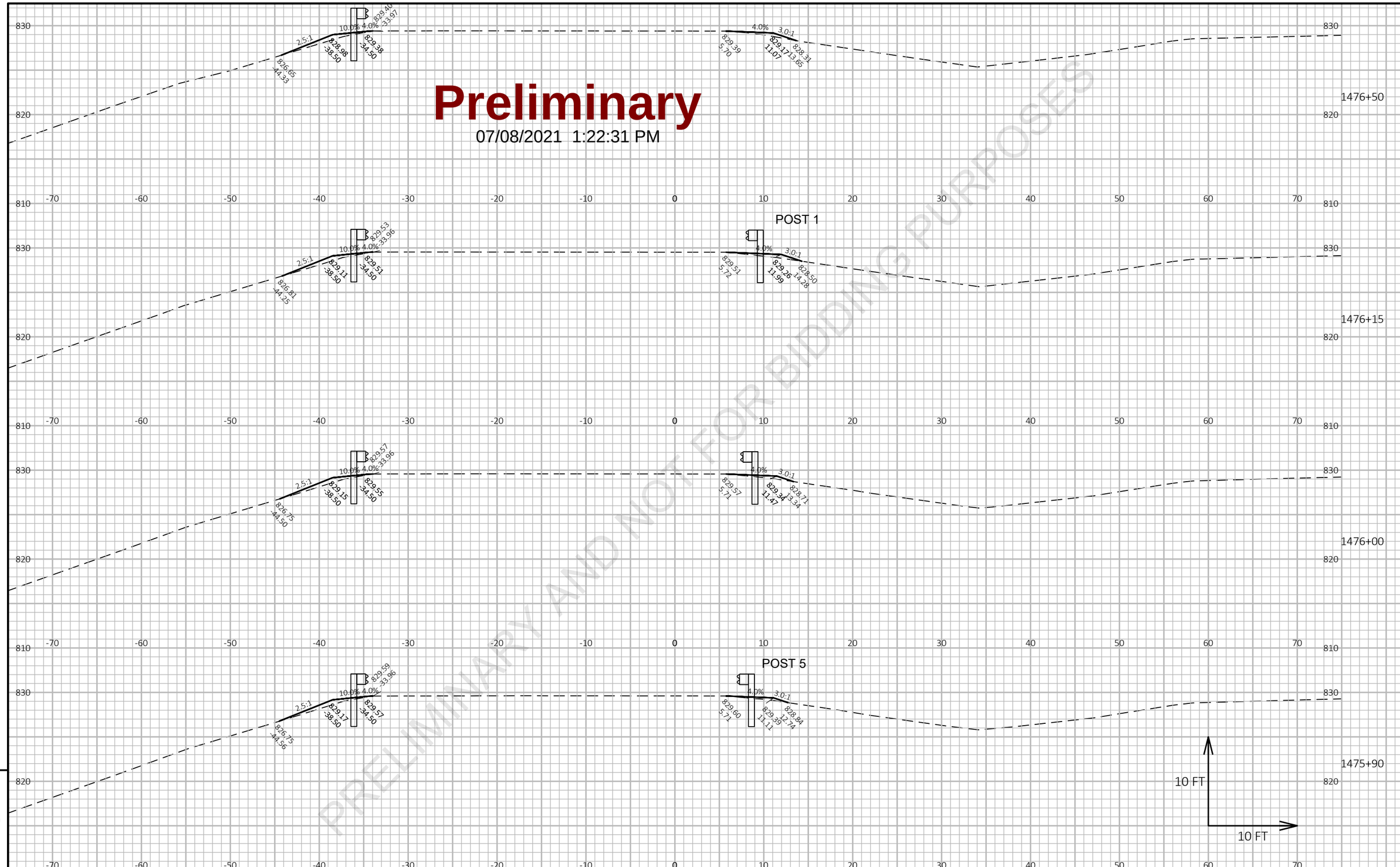
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 1

PLOT DATE : 3/5/2021 2:40 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



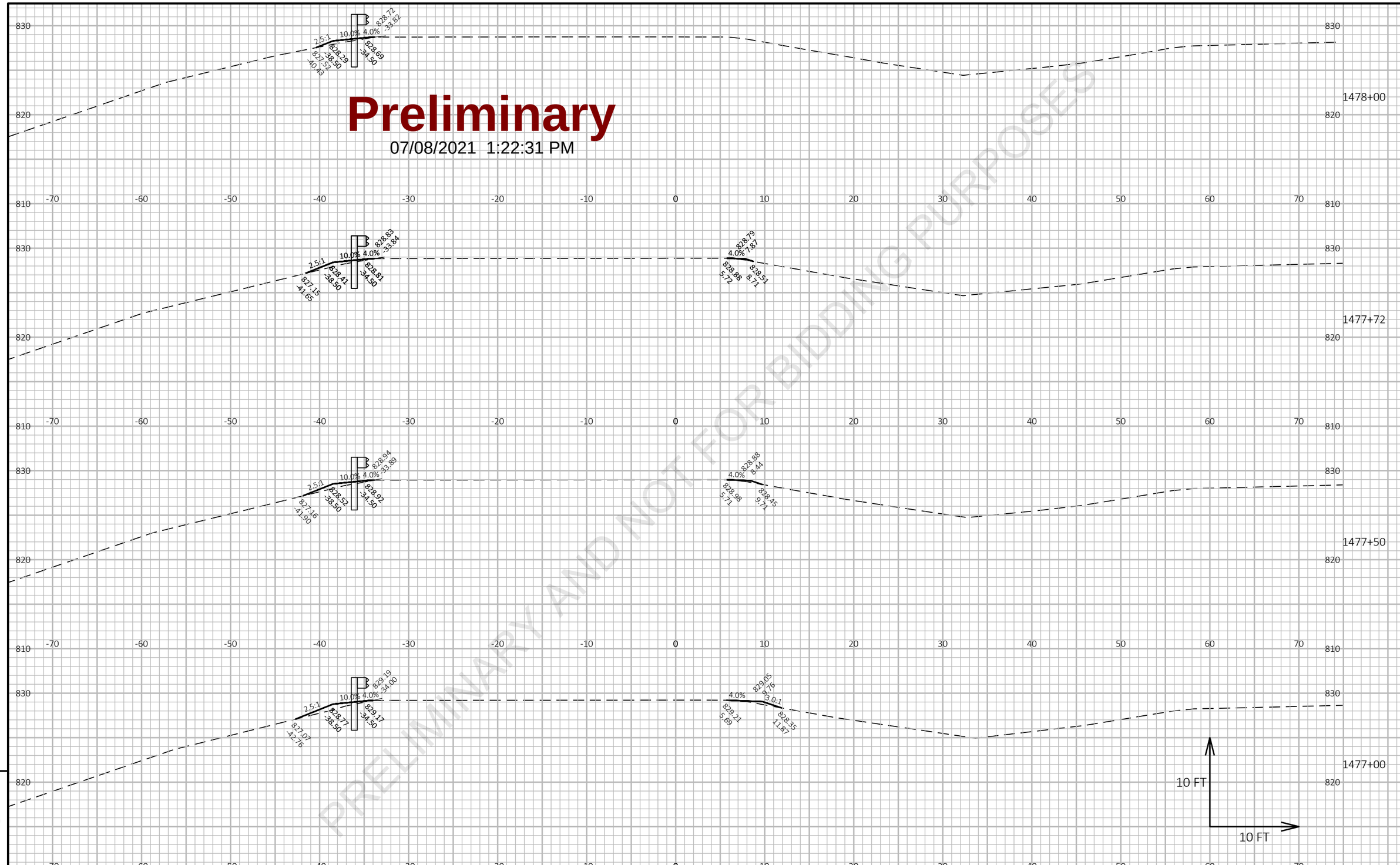
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 2
PLOT DATE : 3/5/2021 2:40 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 3
PLOT DATE : 3/5/2021 2:41 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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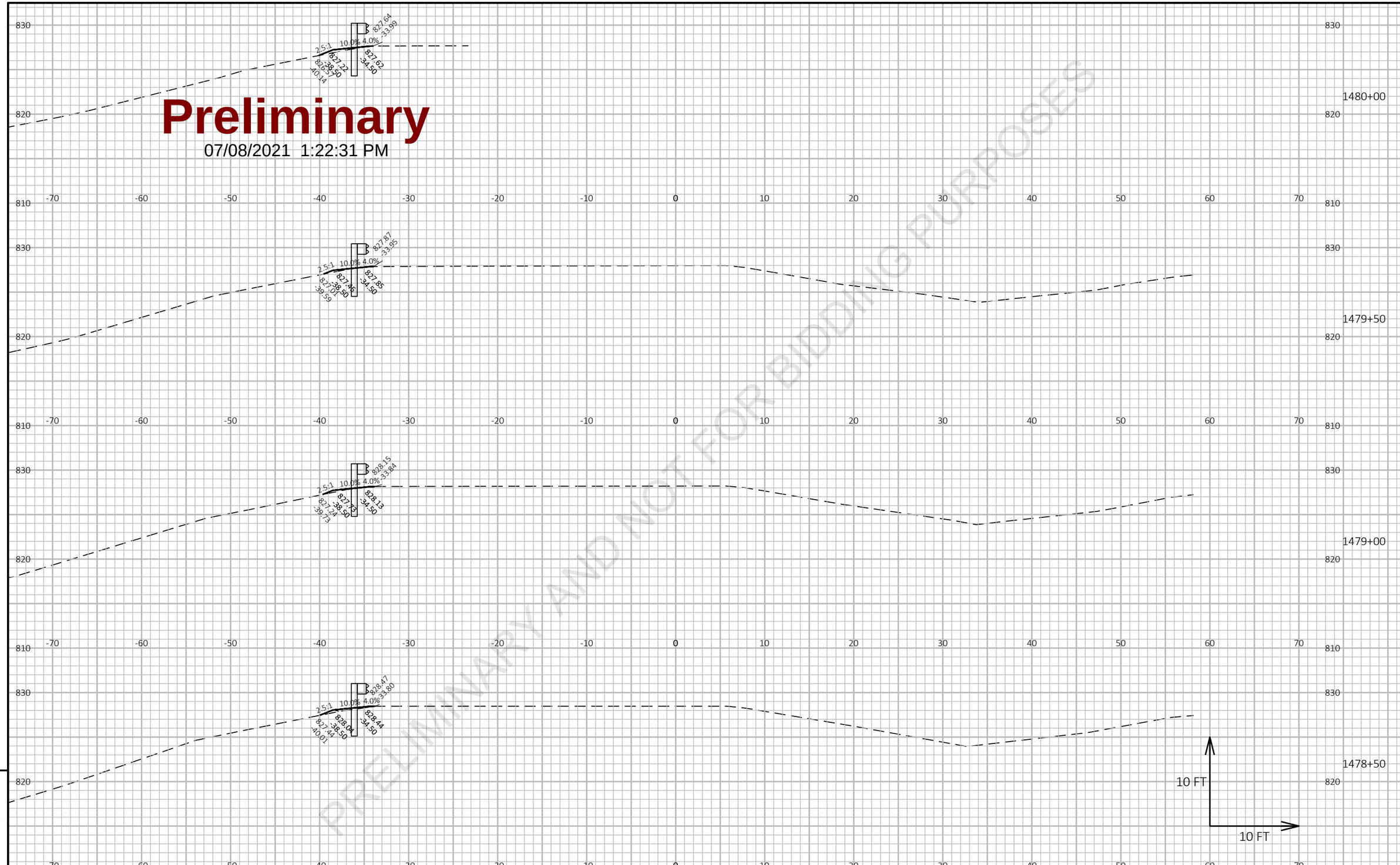
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 4

PLOT DATE : 3/5/2021 2:41 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 5
PLOT DATE : 3/5/2021 2:41 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 1:22:32 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET	E

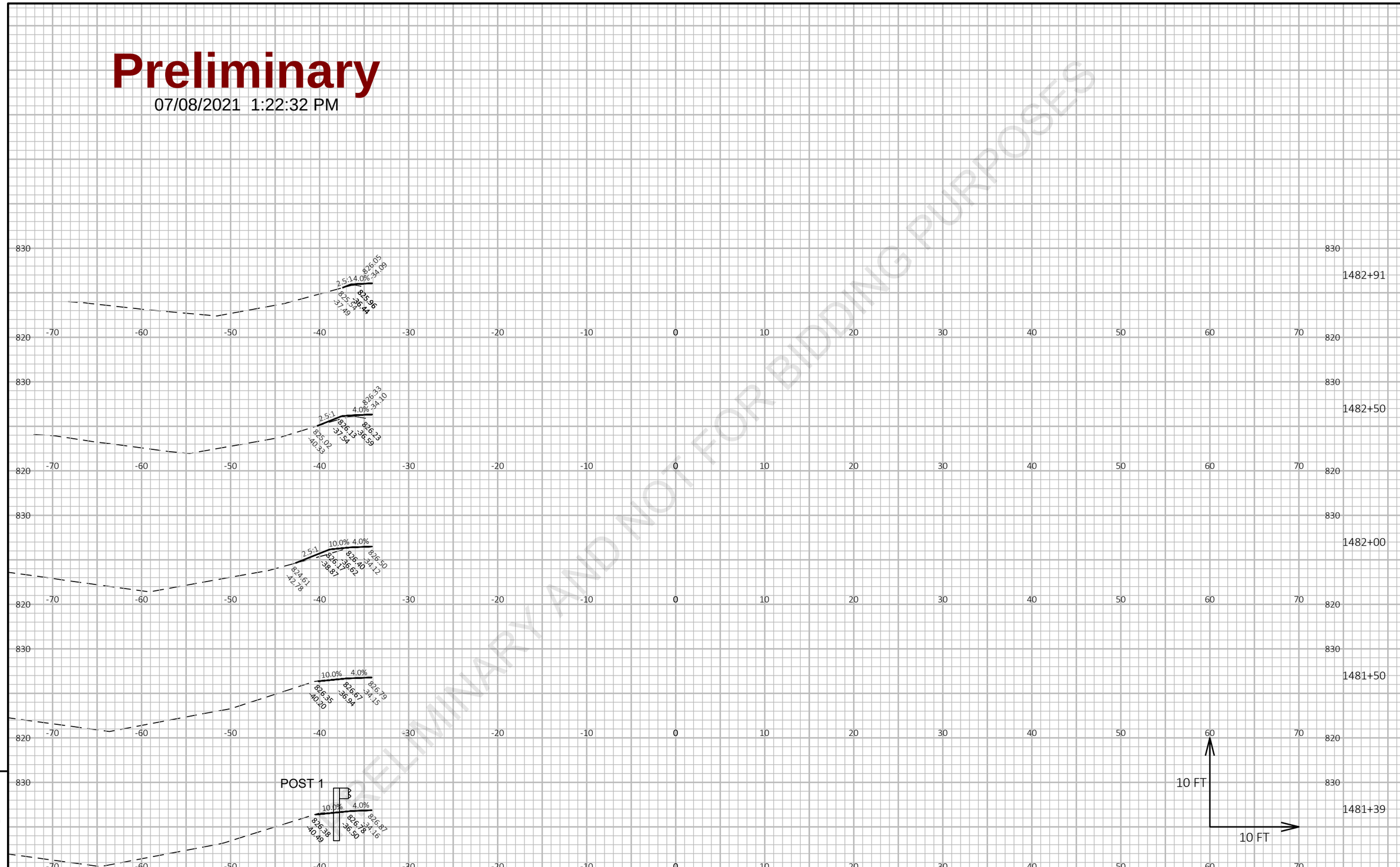
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 6

PLOT DATE : 3/5/2021 2:42 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 1:22:32 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 SB AT CTH K	SHEET	E

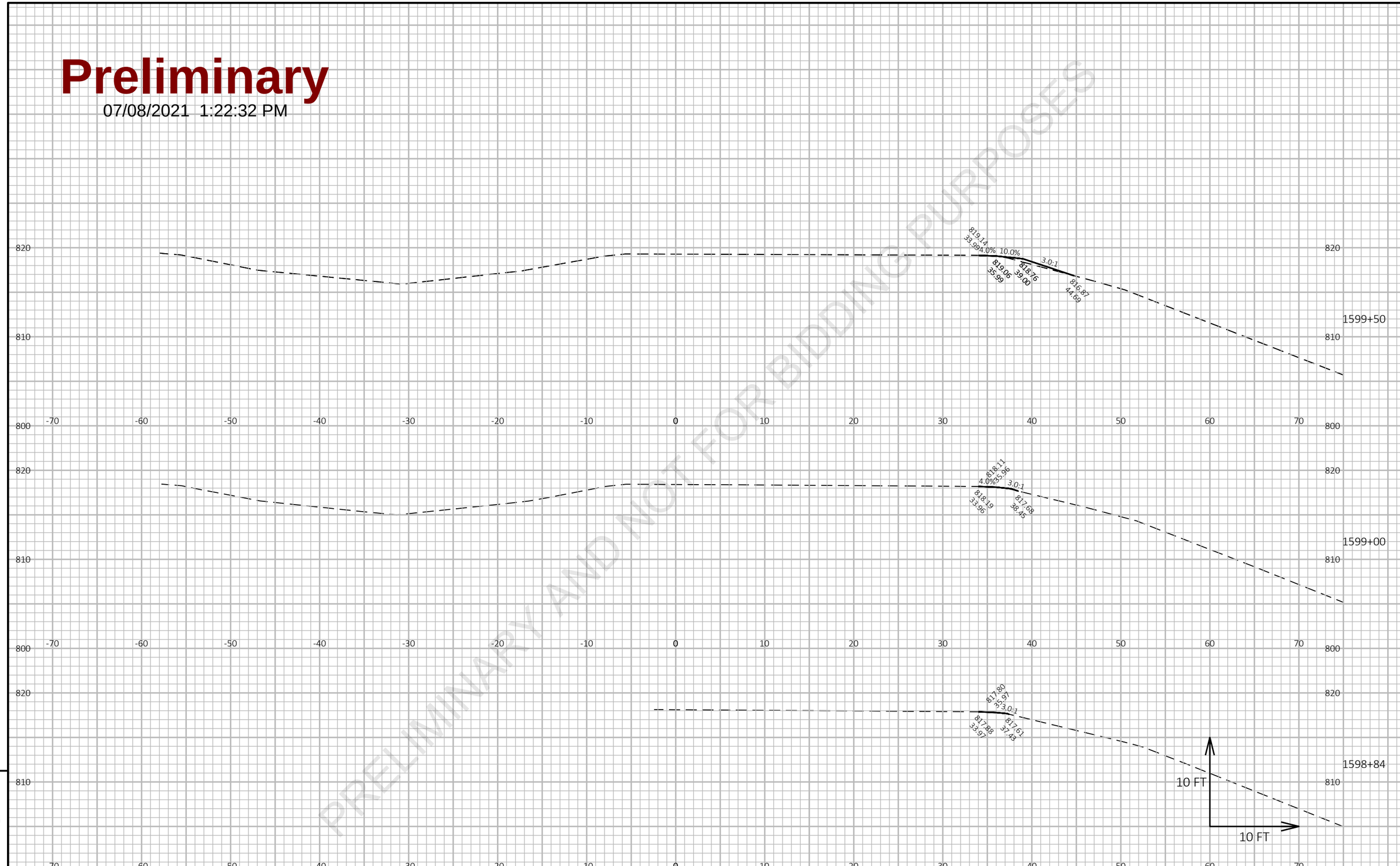
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 SB @ CTH K 7

PLOT DATE : 3/5/2021 2:42 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 1:22:32 PM



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

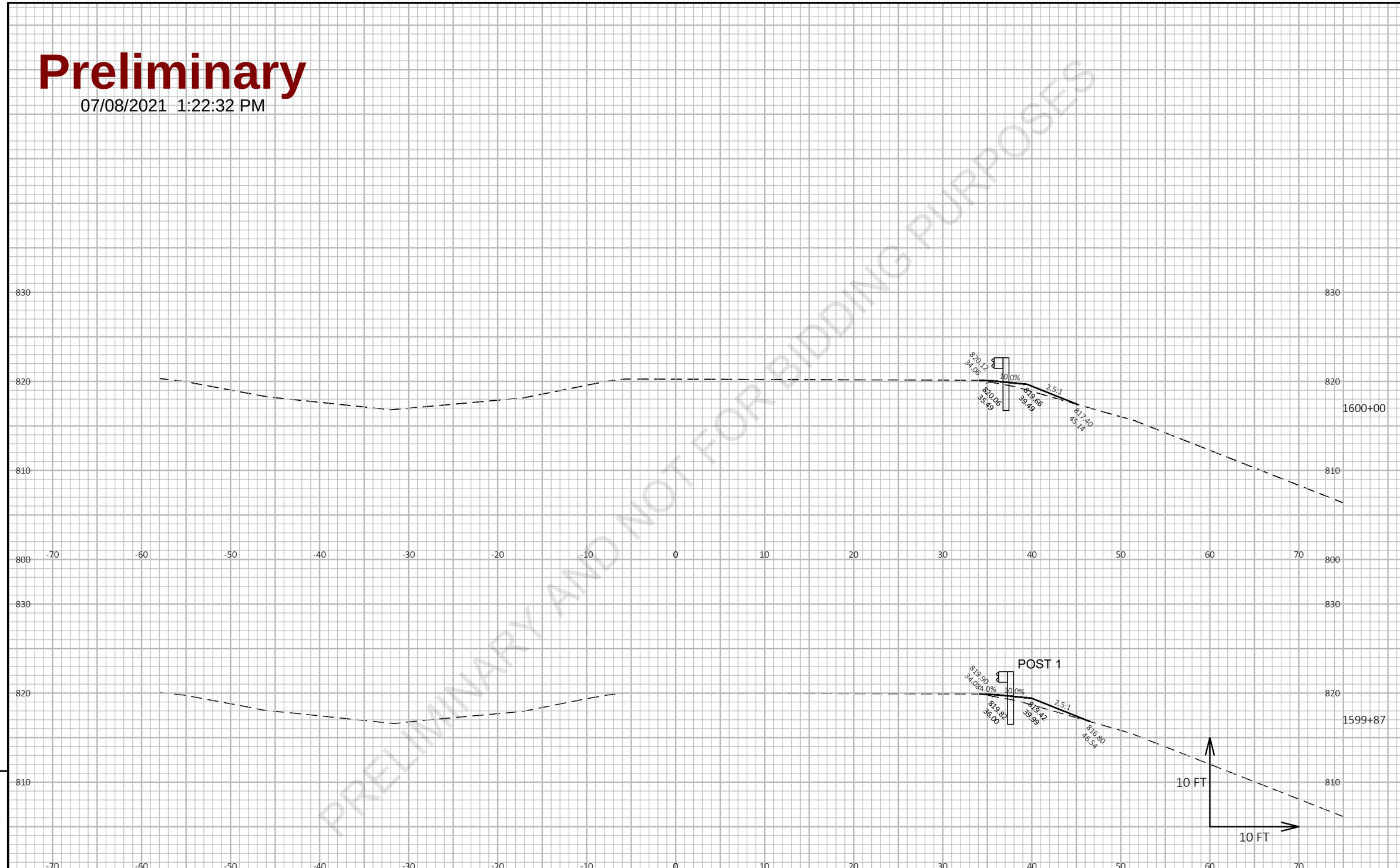
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 1

PLOT DATE : 3/5/2021 2:42 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 1:22:32 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 2

PLOT DATE : 3/5/2021 2:43 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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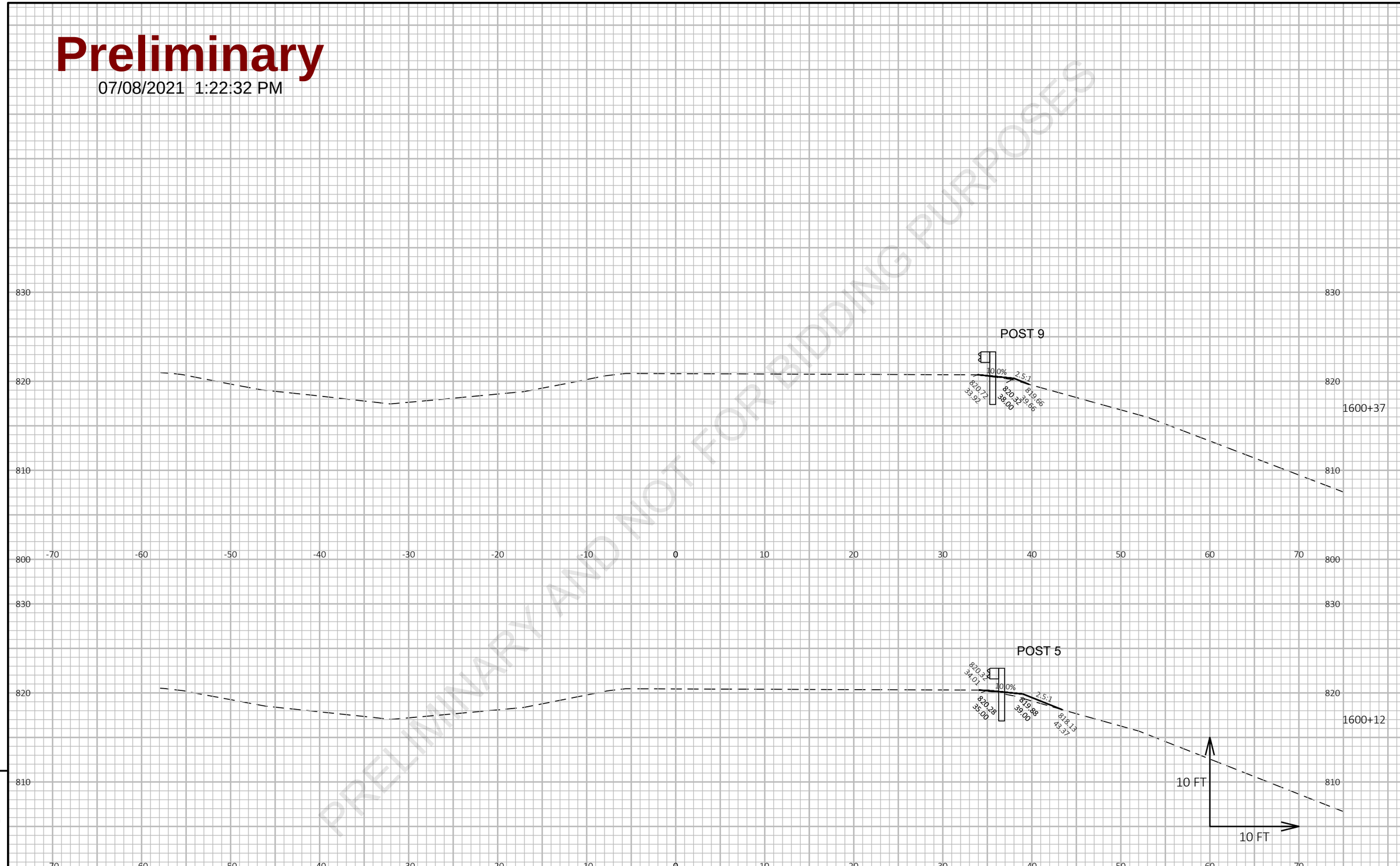

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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9

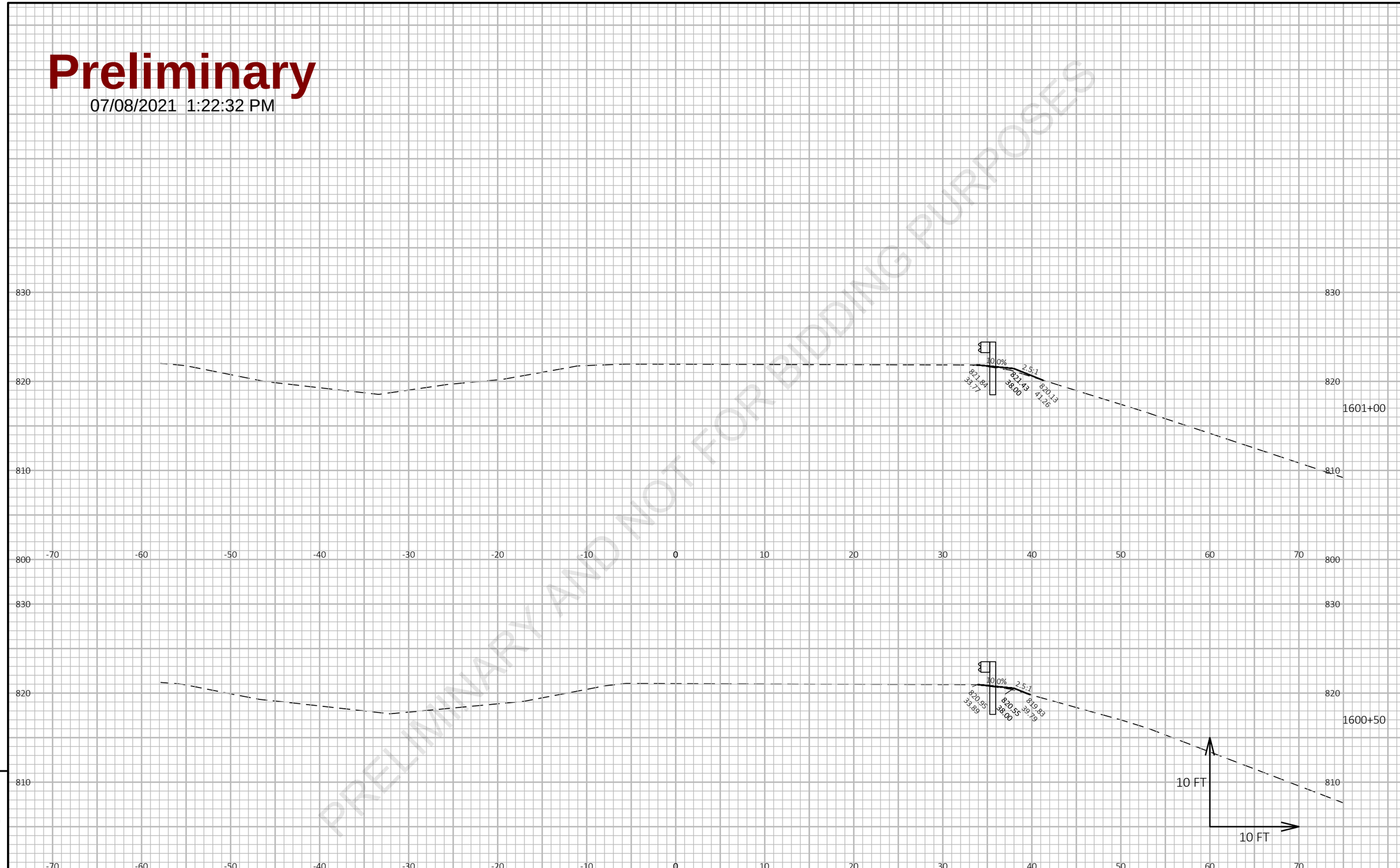
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 3

PLOT DATE : 3/5/2021 2:43 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:32 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 4

PLOT DATE : 3/5/2021 2:43 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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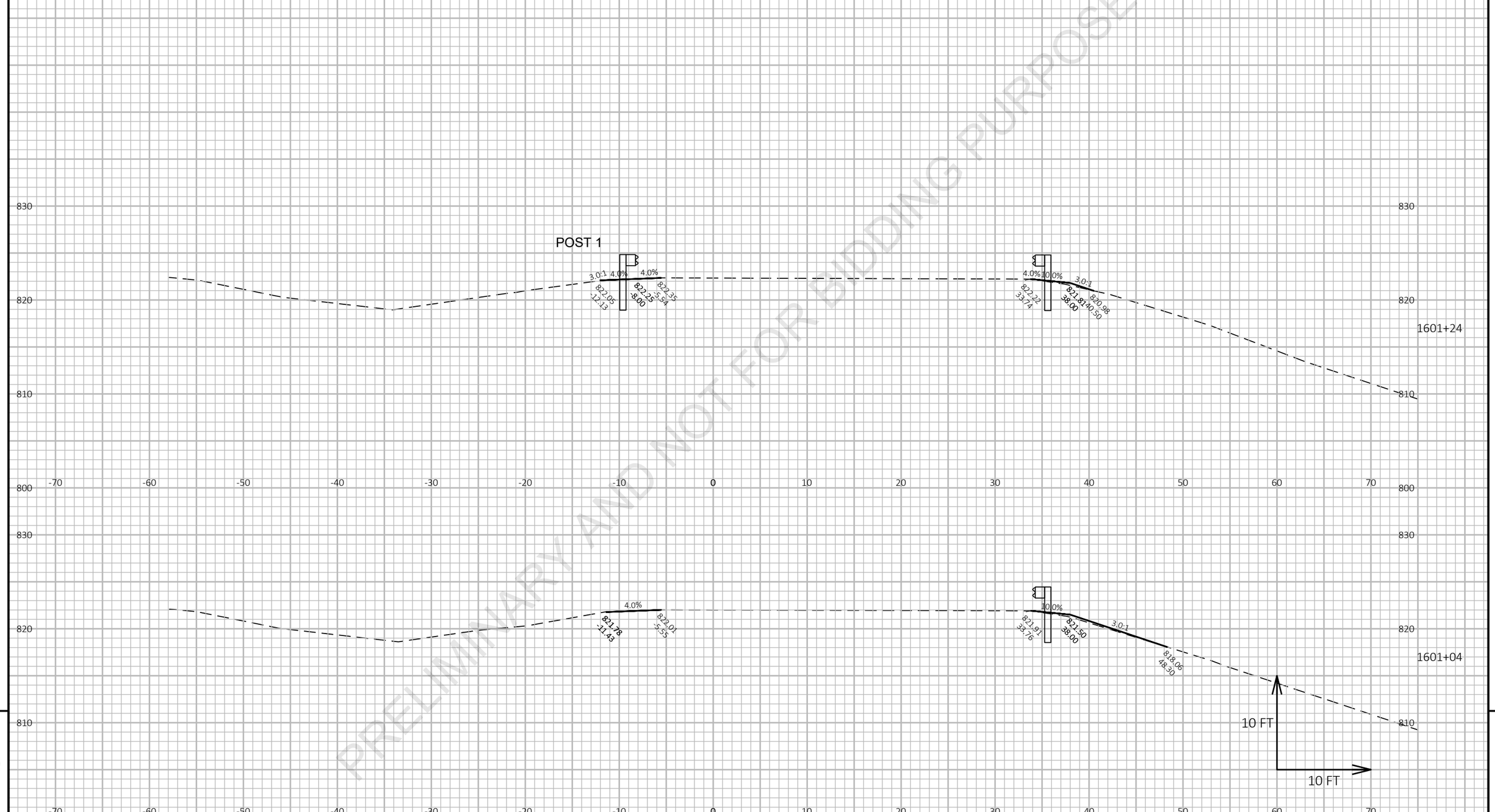

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 5

PLOT DATE : 3/5/2021 2:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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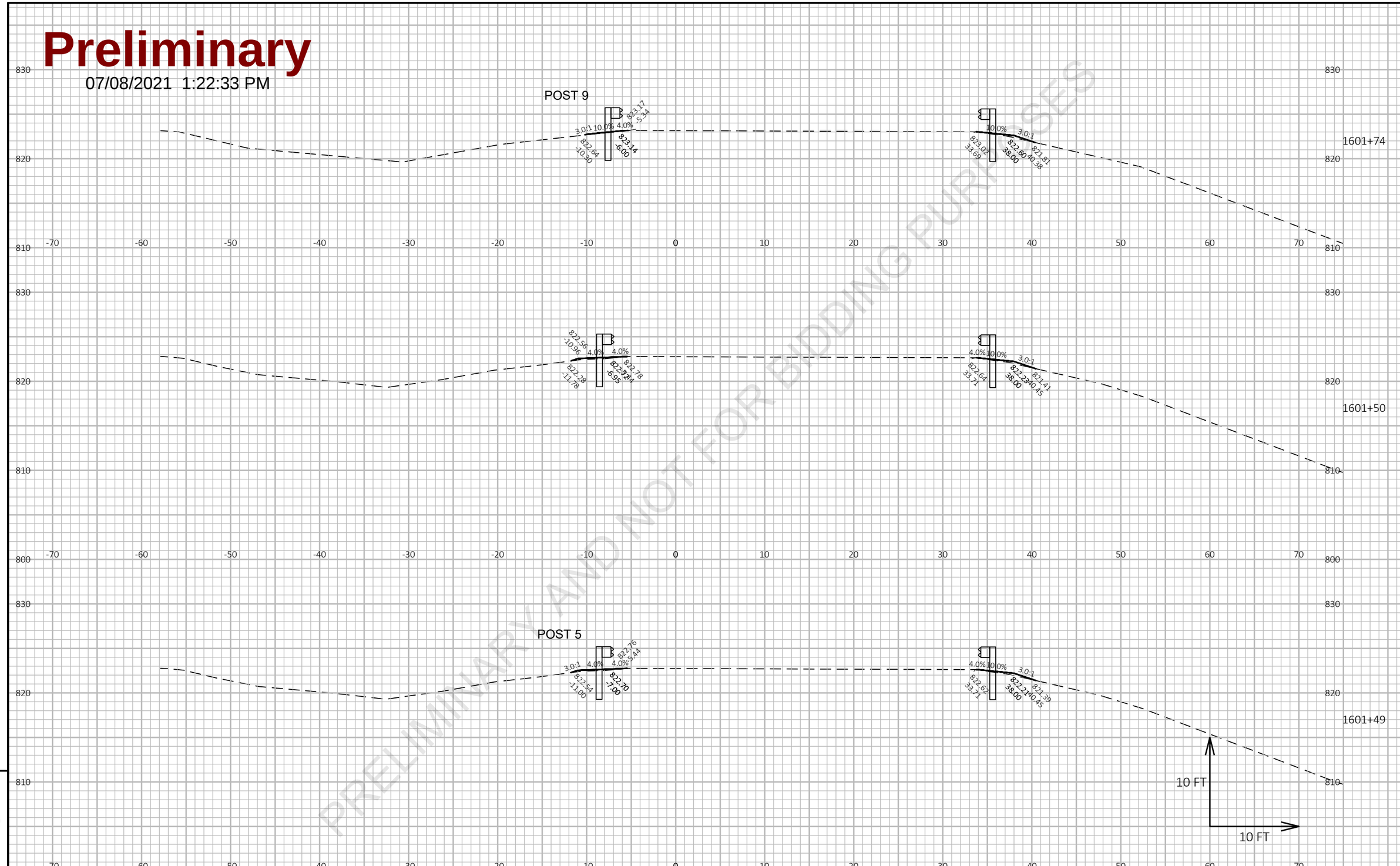

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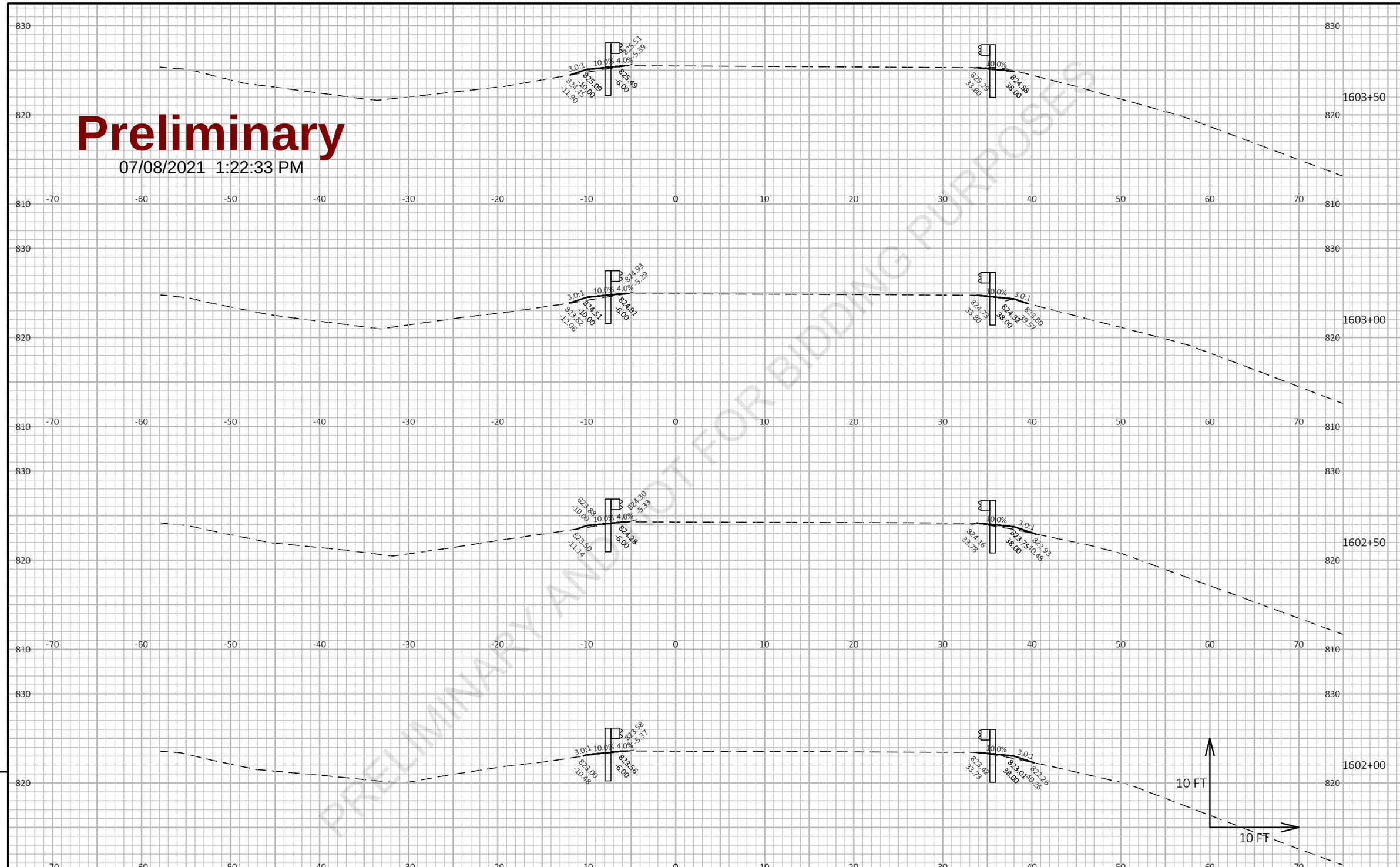
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 6

PLOT DATE : 3/5/2021 2:44 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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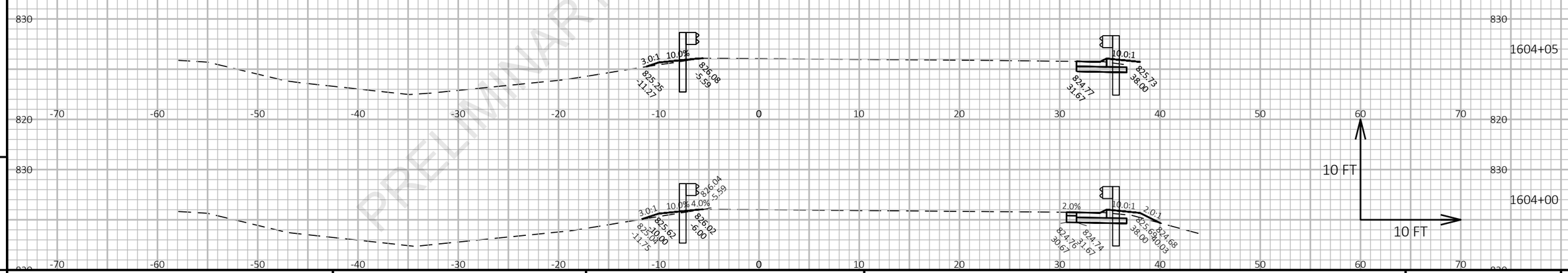
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 7
PLOT DATE : 3/5/2021 2:44 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:33 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: IH 43 NB AT DEVIL RIVER STATE TRAIL	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - IH43 NB @ Devil River State Trail 8

PLOT DATE : 3/5/2021 2:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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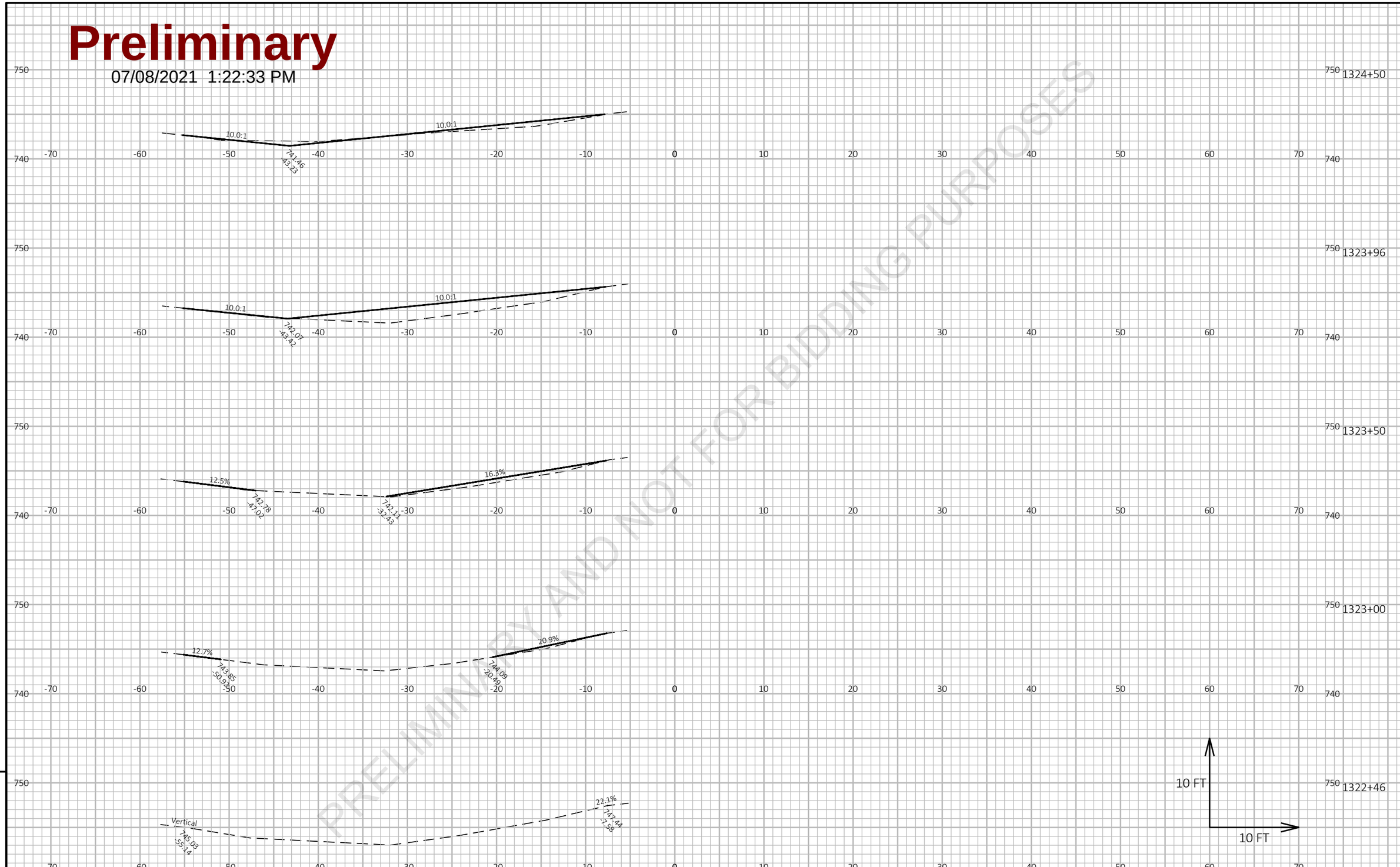


PRELIMINARY AND NOT FOR BIDDING PURPOSES

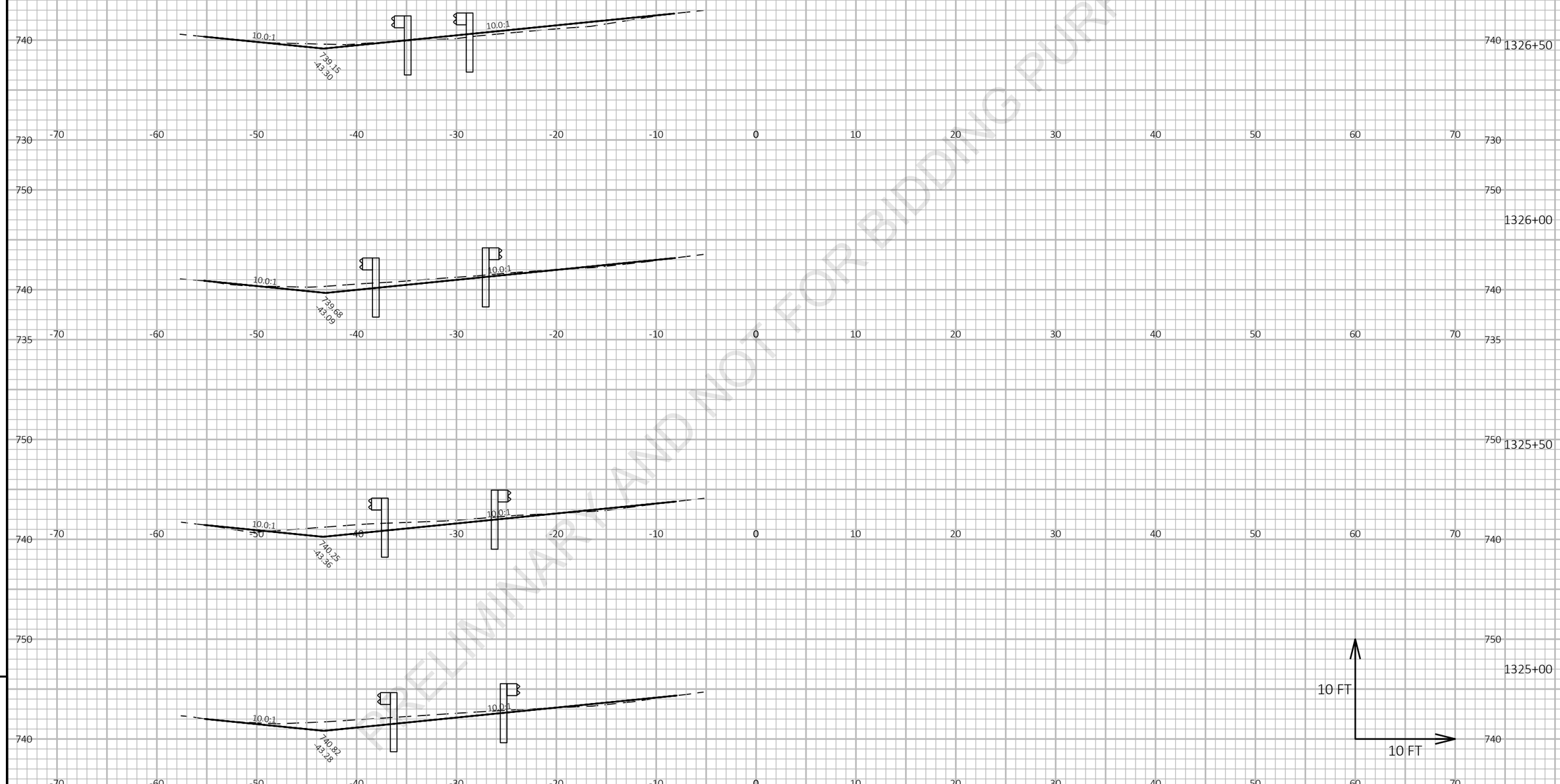
9 9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE CTH V	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - Bullnose CTH V 1
PLOT DATE : 3/5/2021 2:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:34 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE CTH V	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - Bullnose CTH V 2

PLOT DATE : 3/5/2021 2:45 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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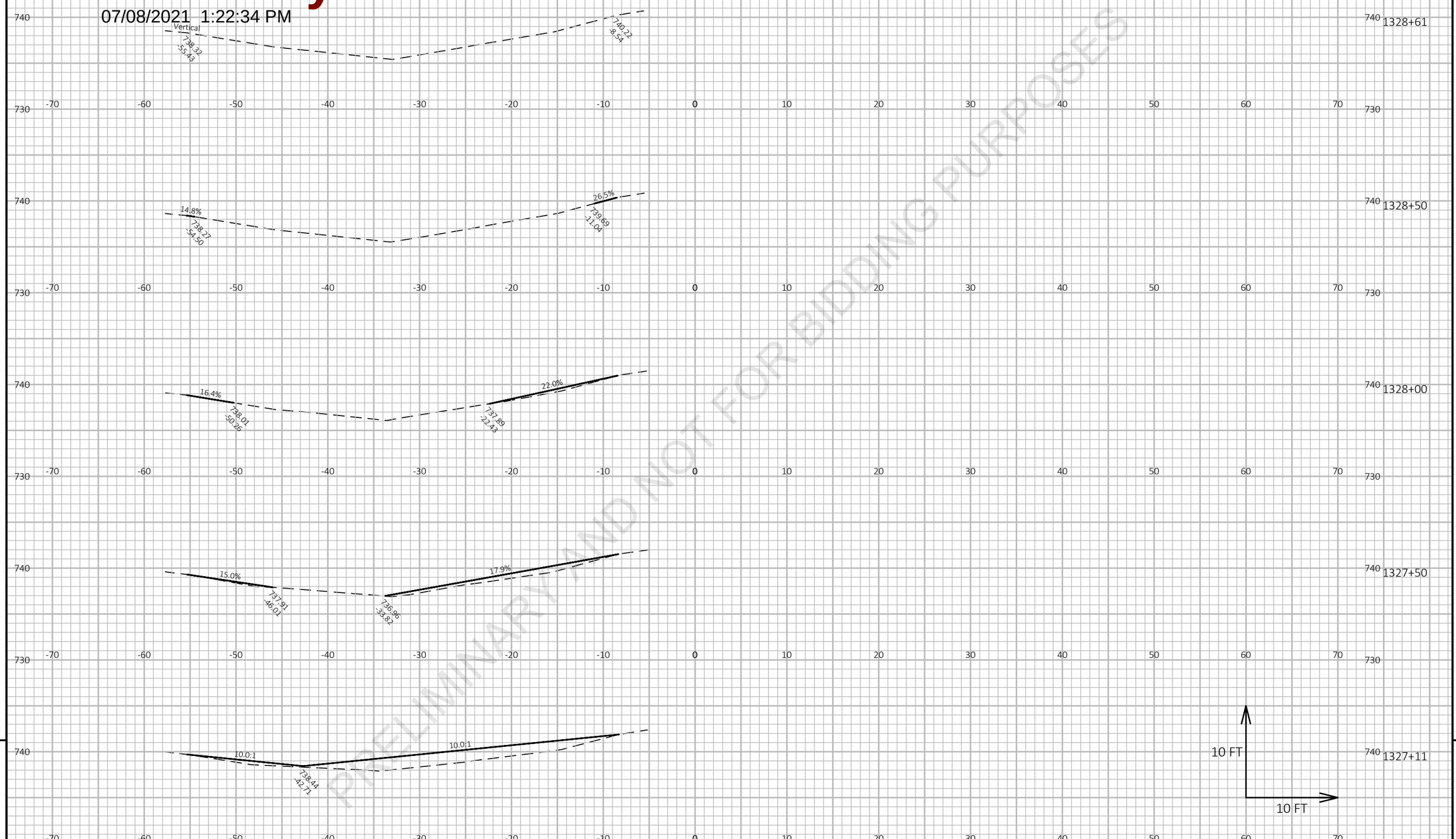

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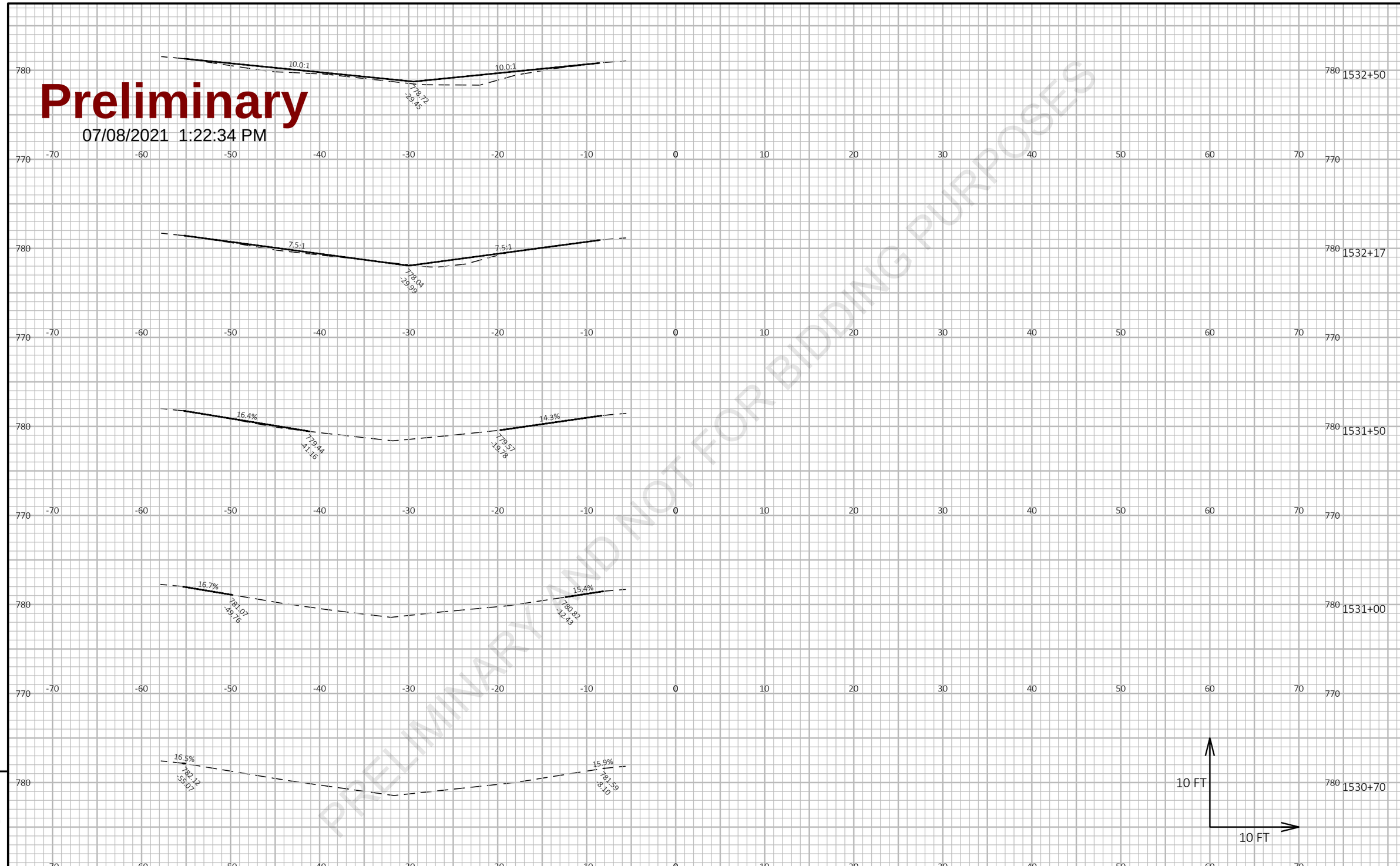
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE CTH V	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - Bullnose CTH V 3

PLOT DATE : 3/5/2021 2:46 PM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE FISHERVILLE	SHEET	E

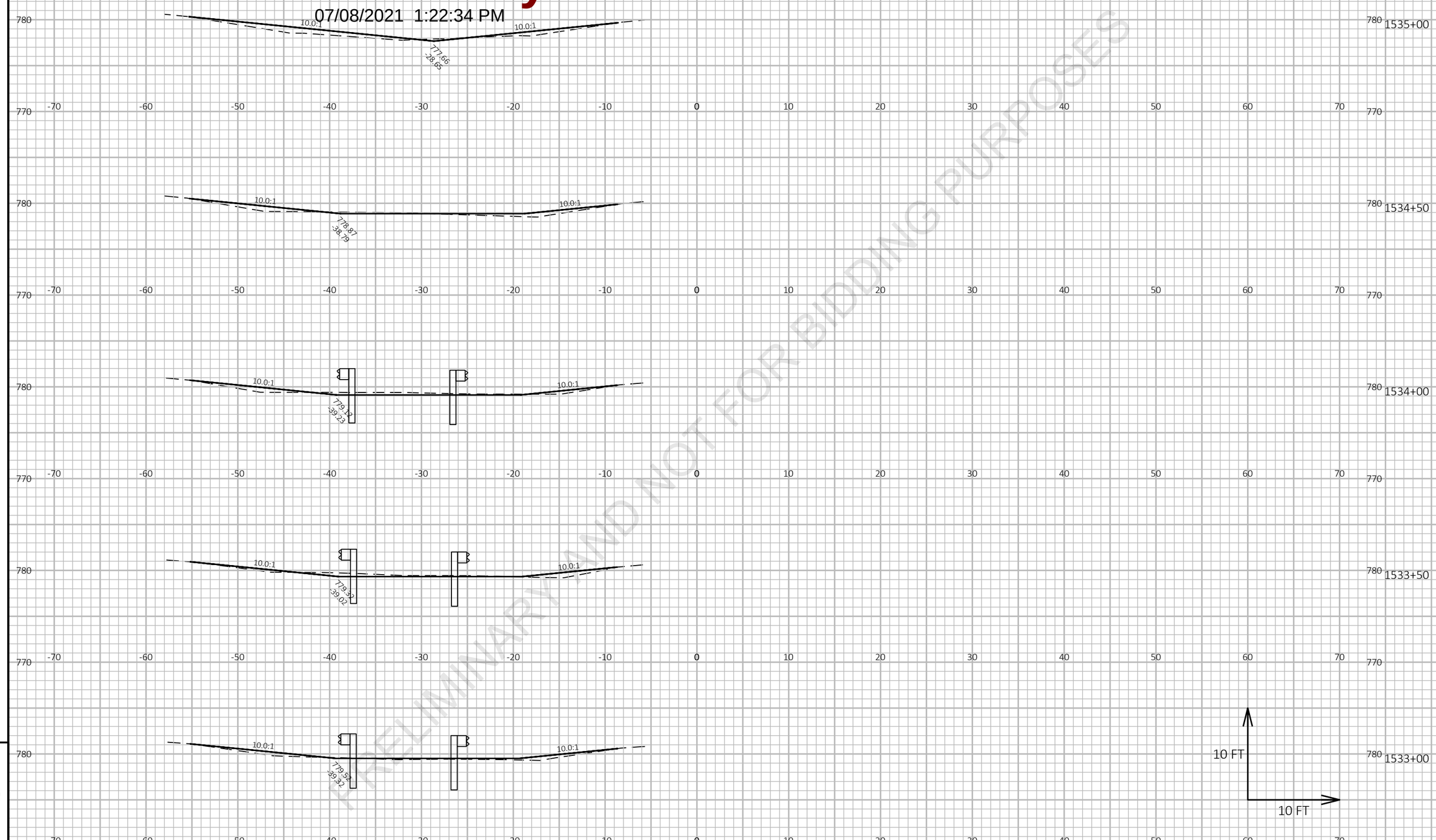
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - Bullnose Fisherville 1

PLOT DATE : 3/5/2021 2:46 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 1:22:34 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE FISHERVILLE	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - Bullnose Fisherville 2
PLOT DATE : 3/5/2021 2:46 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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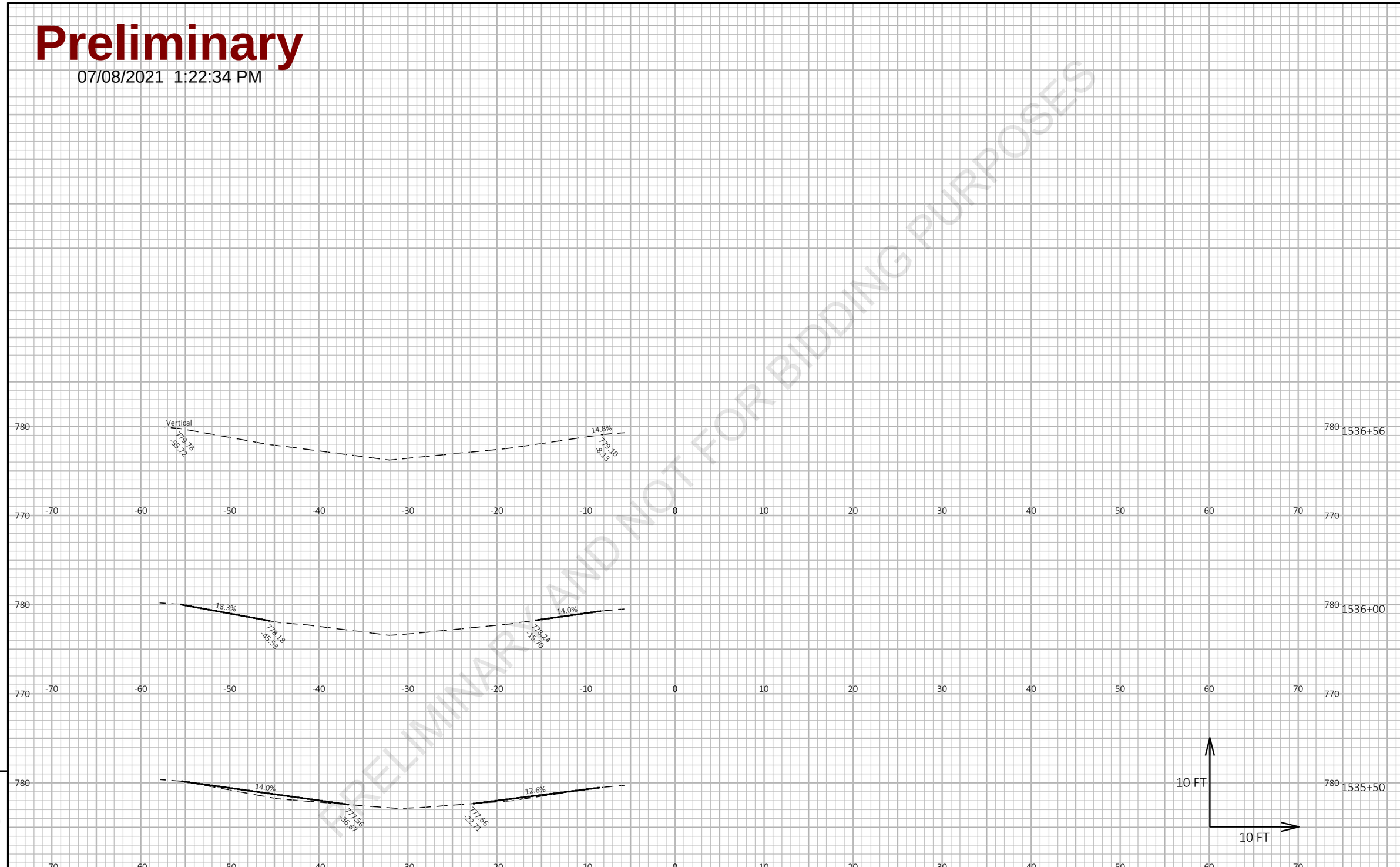

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: BULLNOSE FISHERVILLE	SHEET	E

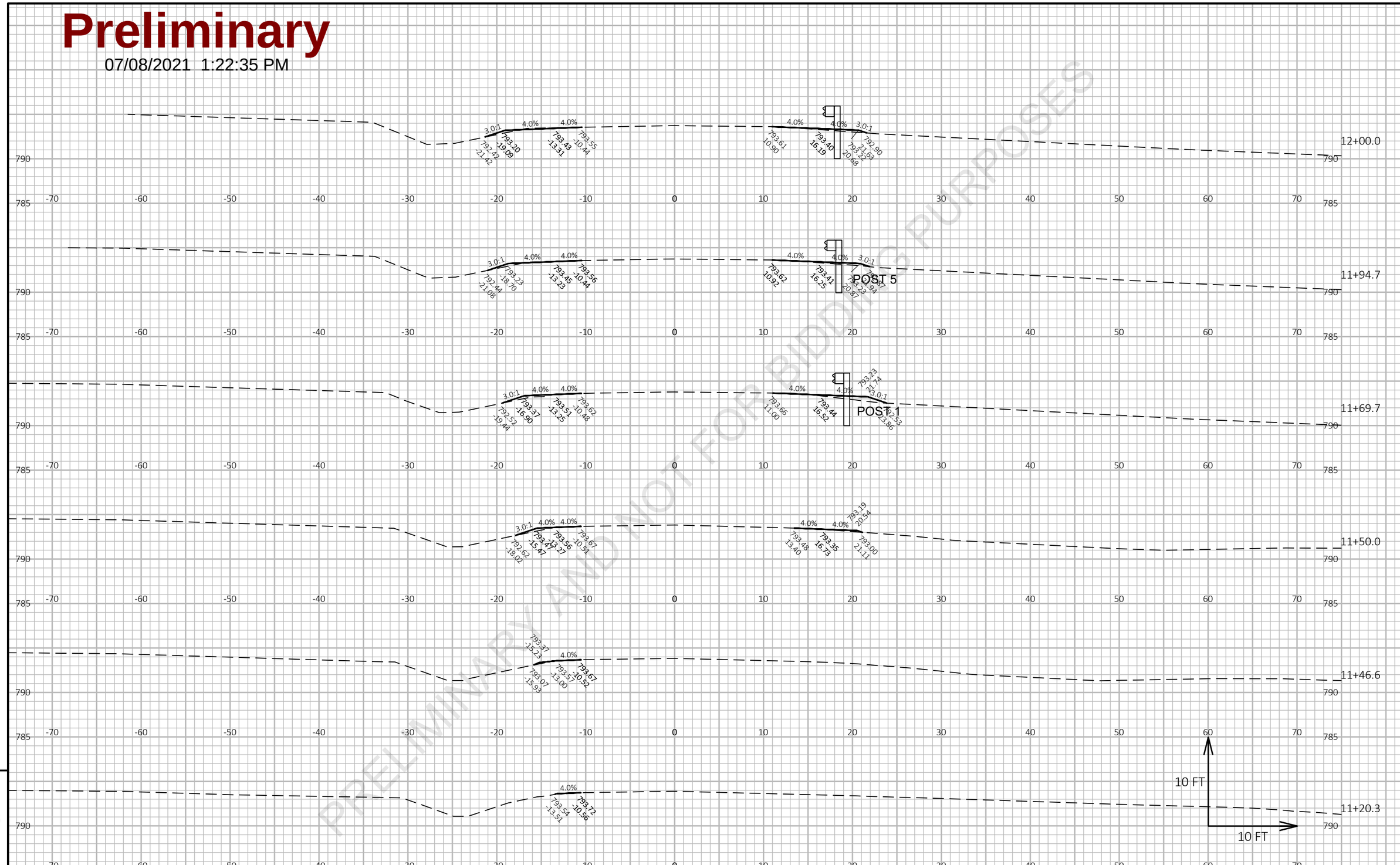
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090201_XS.DWG
LAYOUT NAME - Bullnose Fisherville 3

PLOT DATE : 3/5/2021 2:47 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 1:22:35 PM

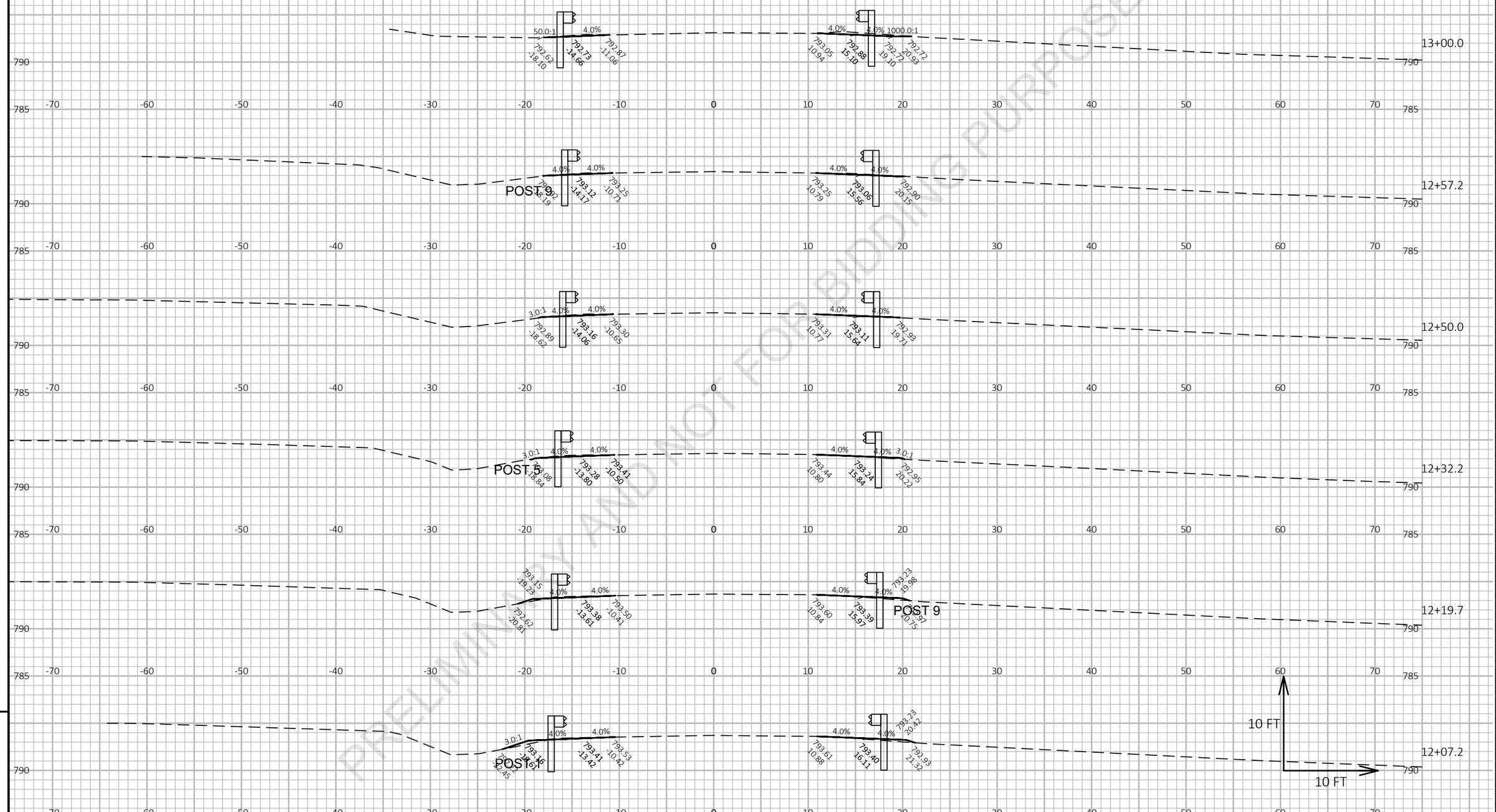


PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ROCKWOOD ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Rockwood WB 1
PLOT DATE : 3/10/2021 6:29 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:35 PM



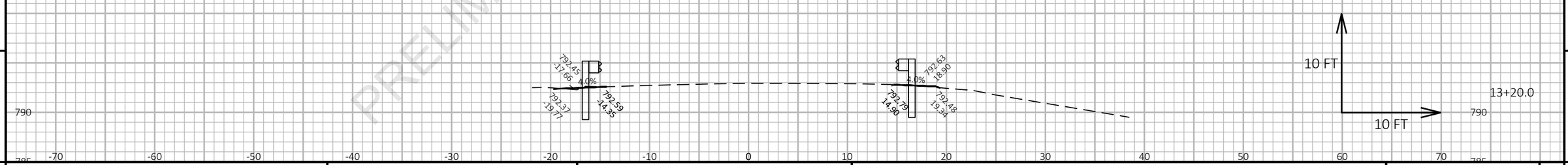
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ROCKWOOD ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Rockwood WB 2
PLOT DATE : 3/10/2021 6:29 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:35 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ROCKWOOD ROAD	SHEET	E

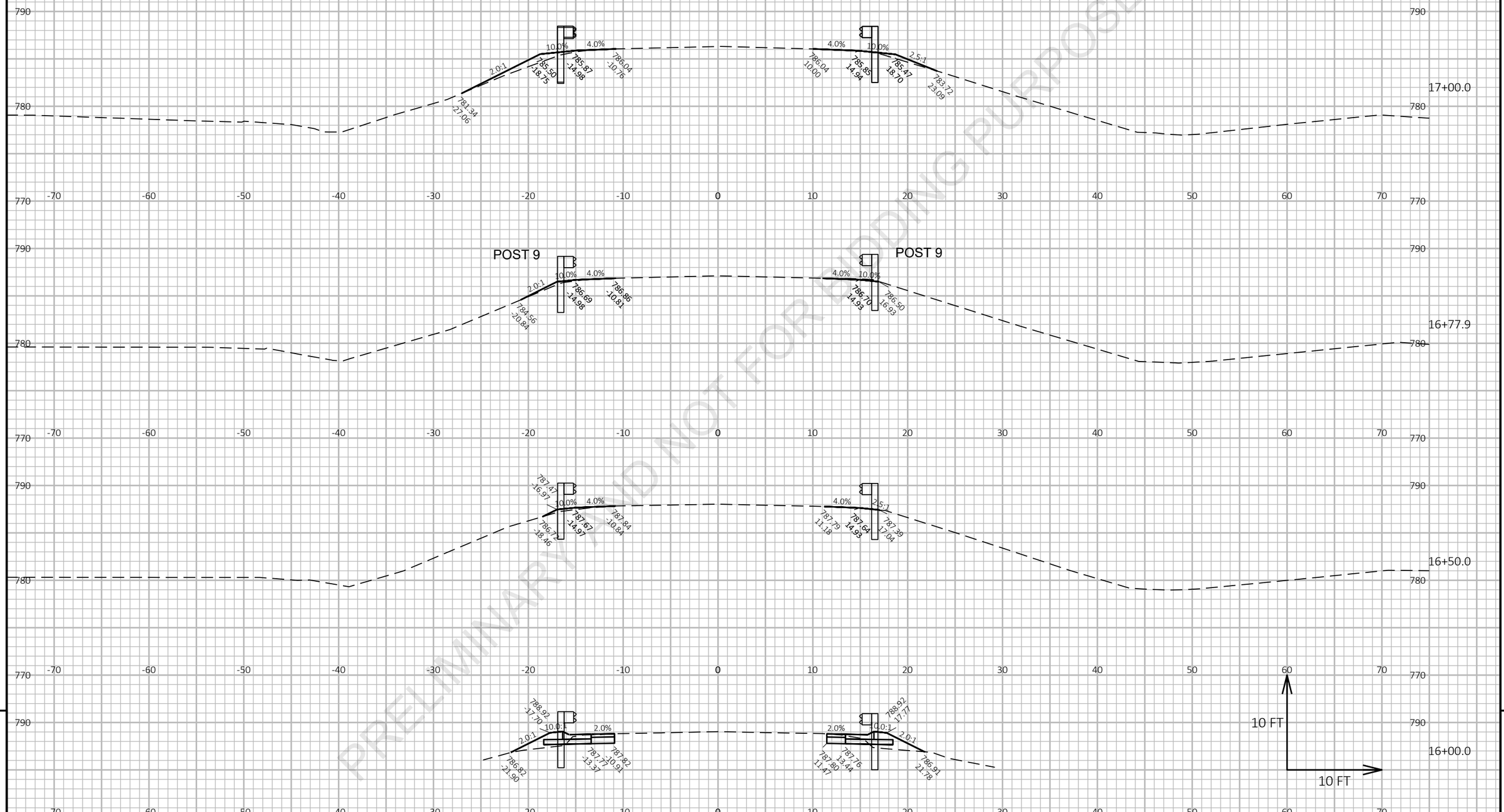
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Rockwood WB 3

PLOT DATE : 3/10/2021 6:29 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

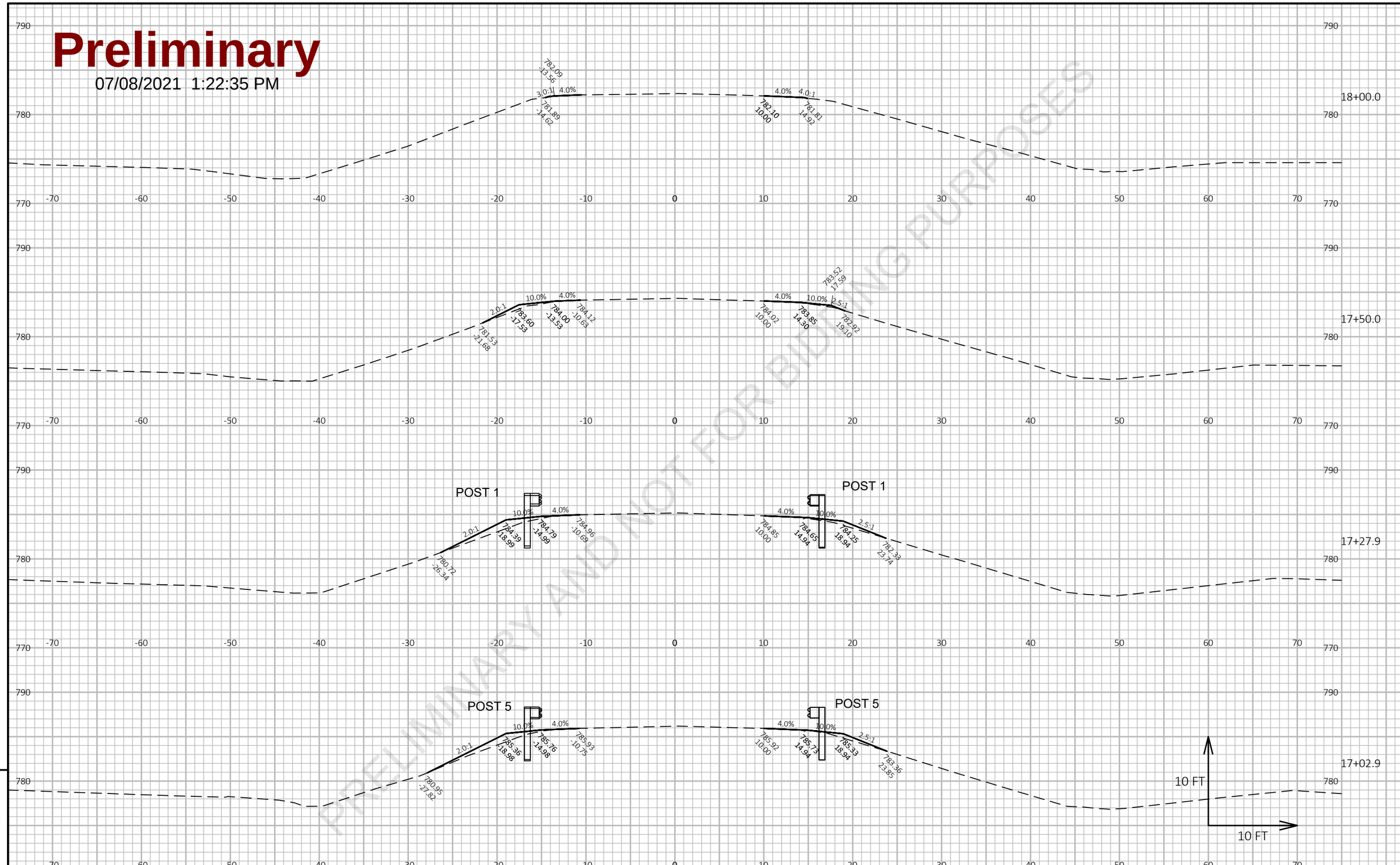
Preliminary

07/08/2021 1:22:35 PM



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ROCKWOOD ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Rockwood EB 1
PLOT DATE : 3/10/2021 6:29 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

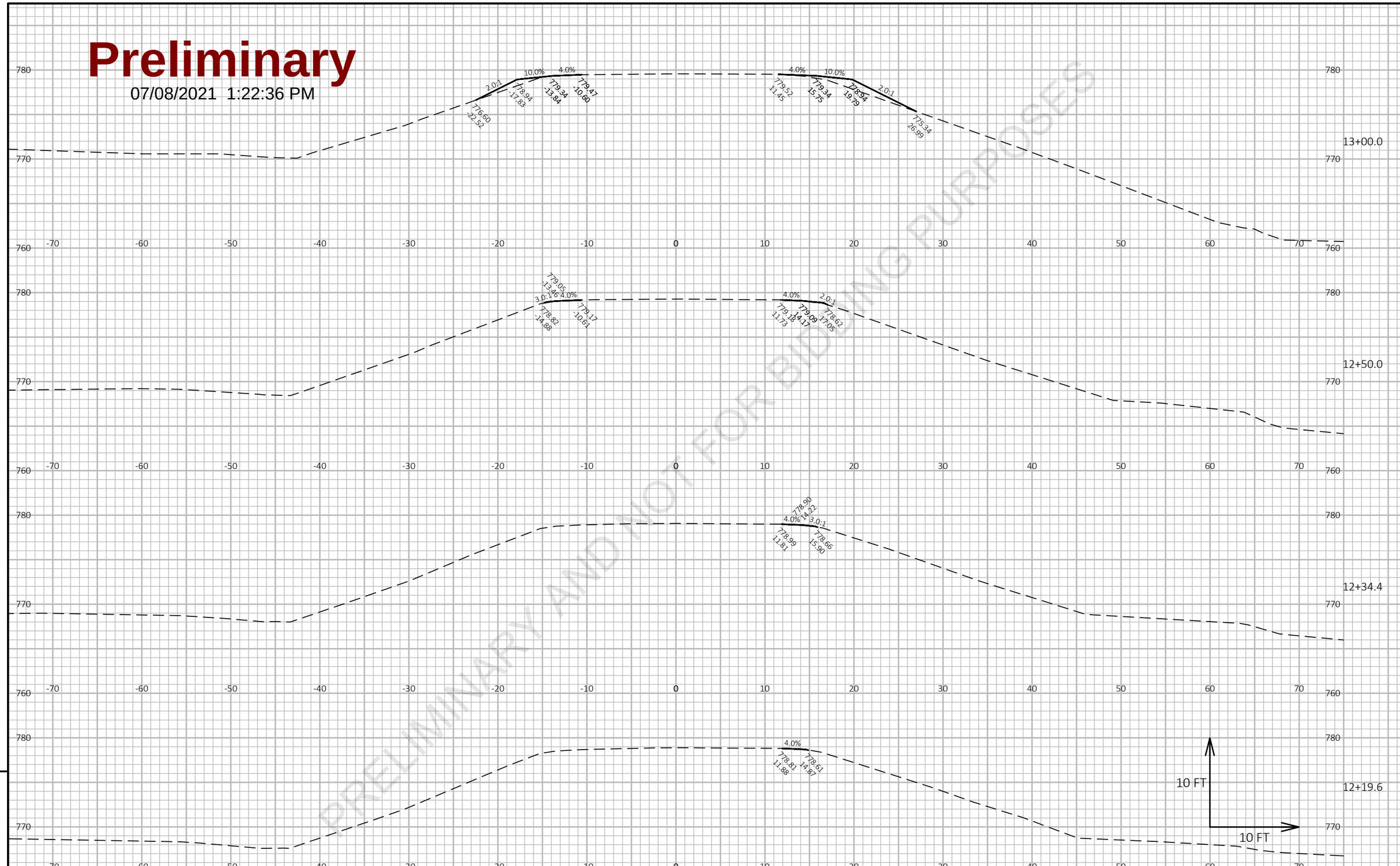


PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: ROCKWOOD ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Rockwood EB 2
PLOT DATE : 3/10/2021 6:29 AM
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 1:22:36 PM



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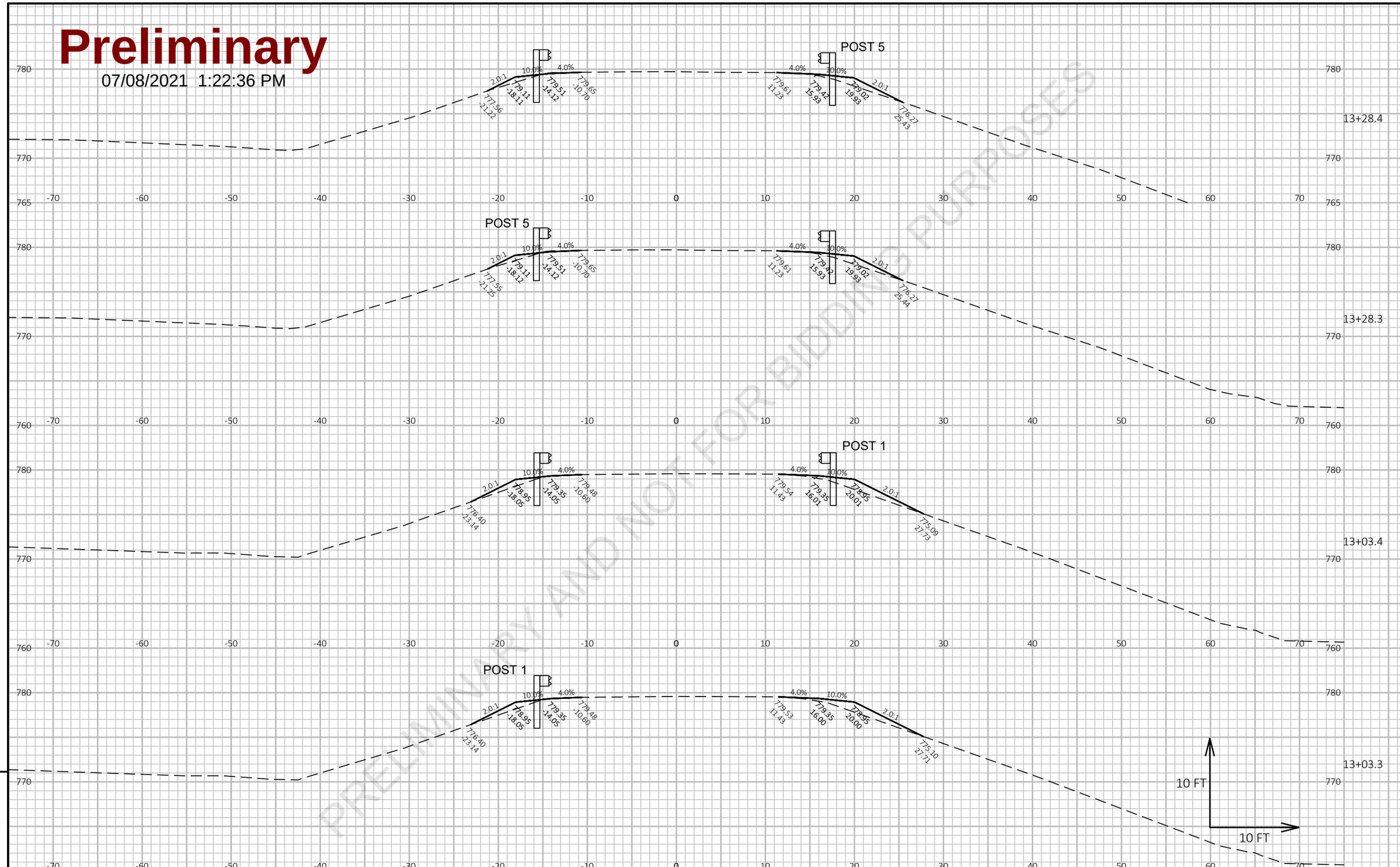
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: REIF MILLS ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Reif Mills WB 1
PLOT DATE : 3/10/2021 6:30 AM 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 1:22:36 PM



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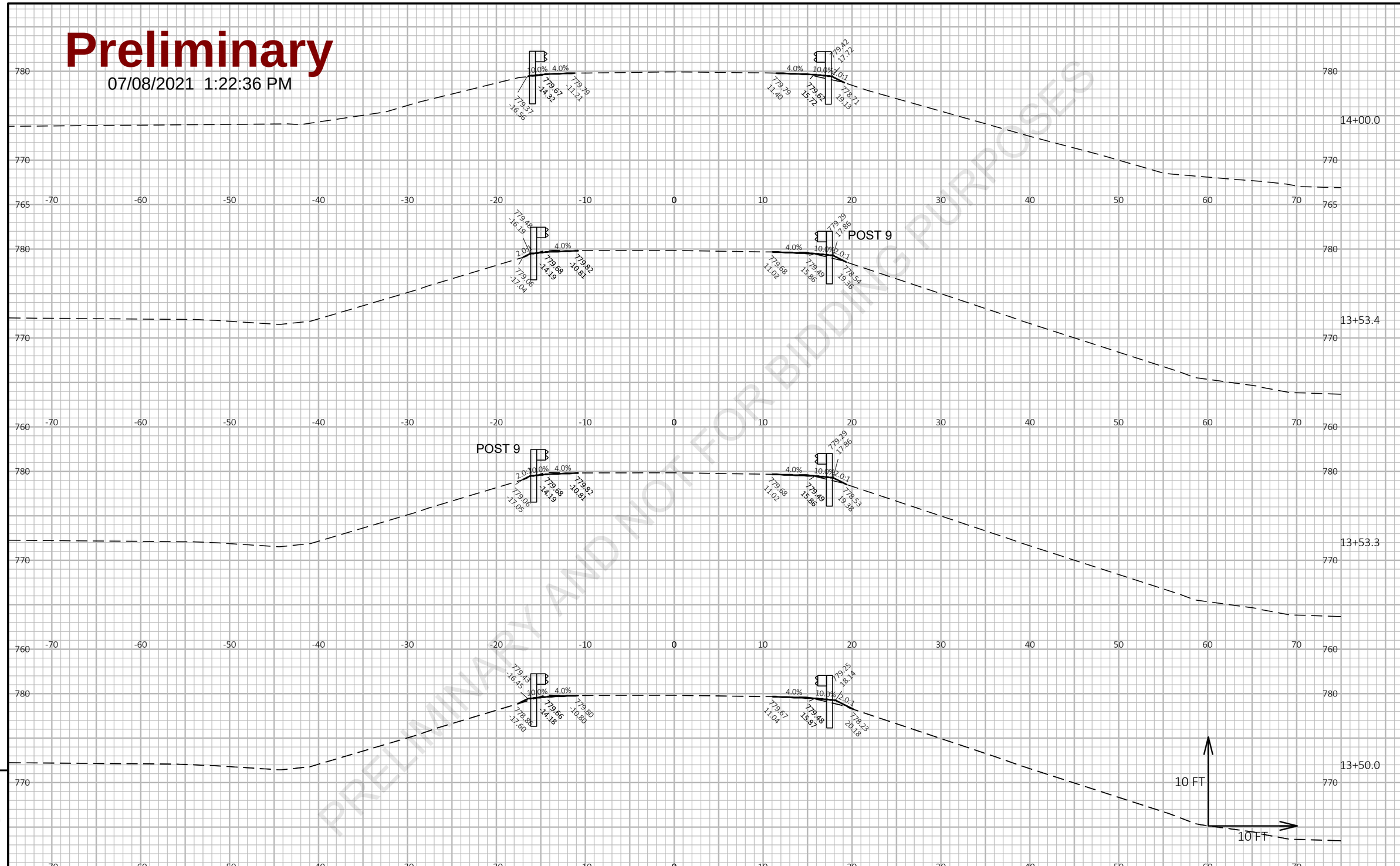
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: REIF MILLS ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Reif Mills WB 2

PLOT DATE : 3/10/2021 6:30 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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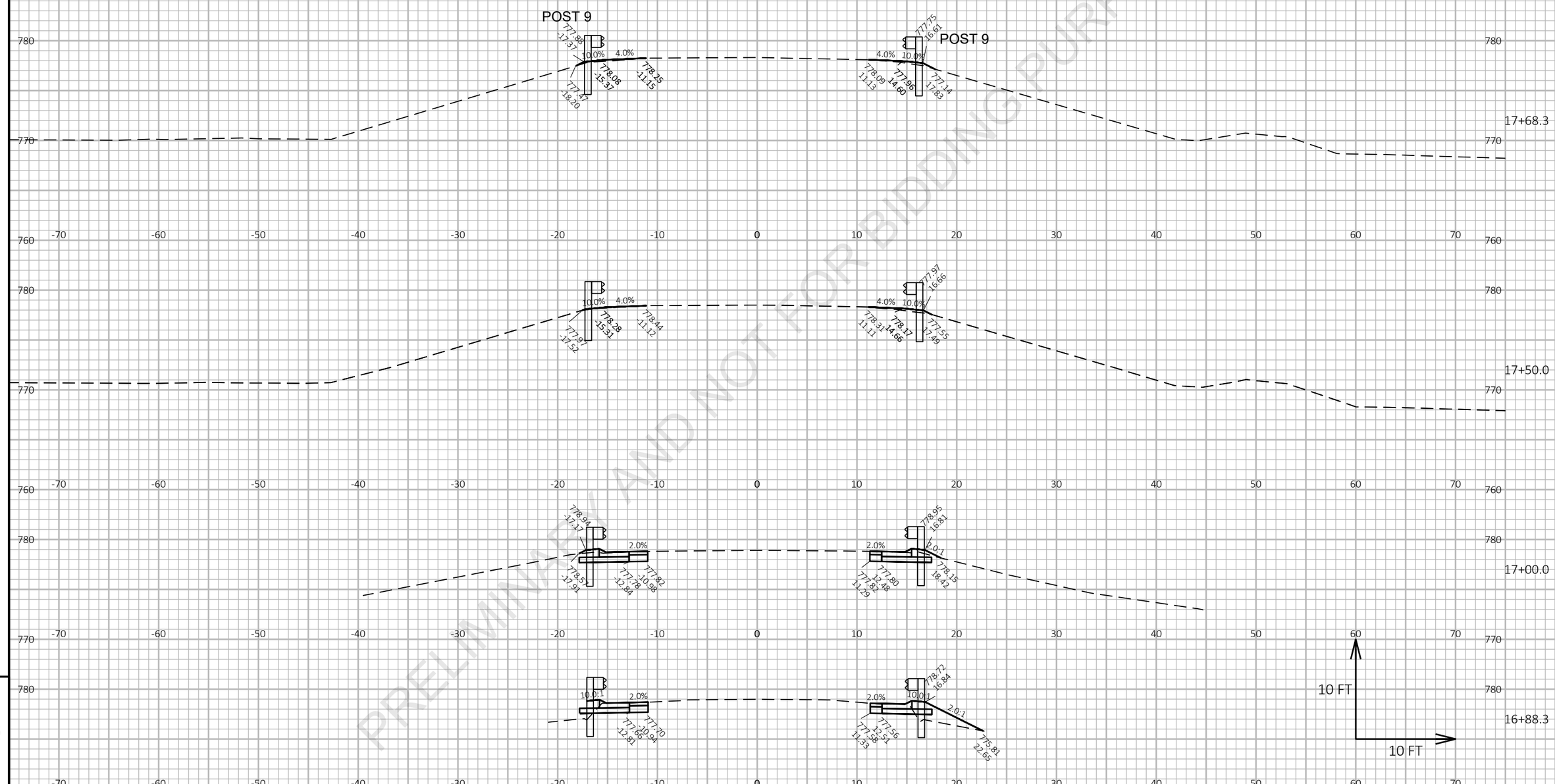
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: REIF MILLS ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Reif Mills WB 3
PLOT DATE : 3/10/2021 6:30 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:36 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

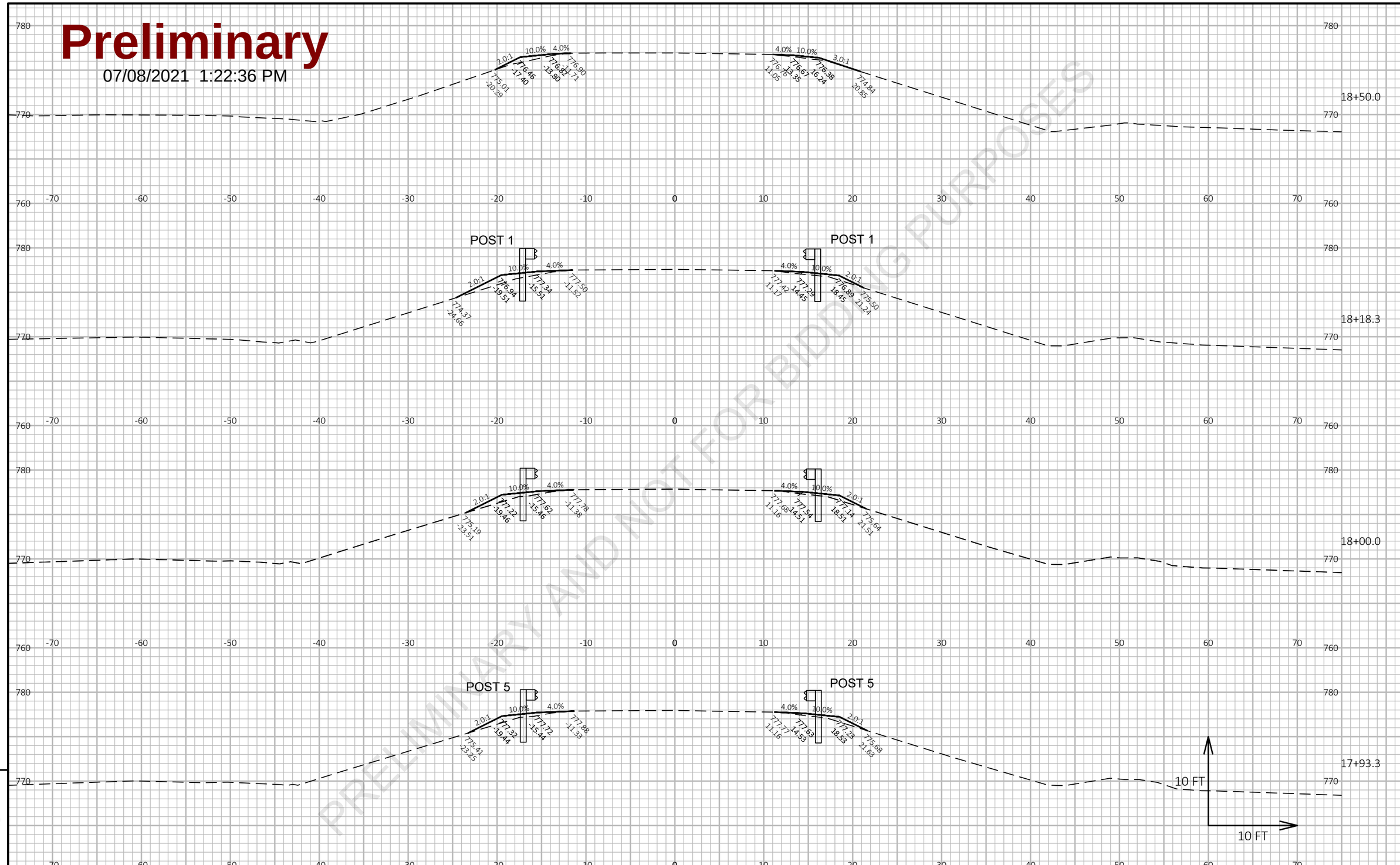
9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: REIF MILLS ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Reif Mills EB 1

PLOT DATE : 3/10/2021 6:30 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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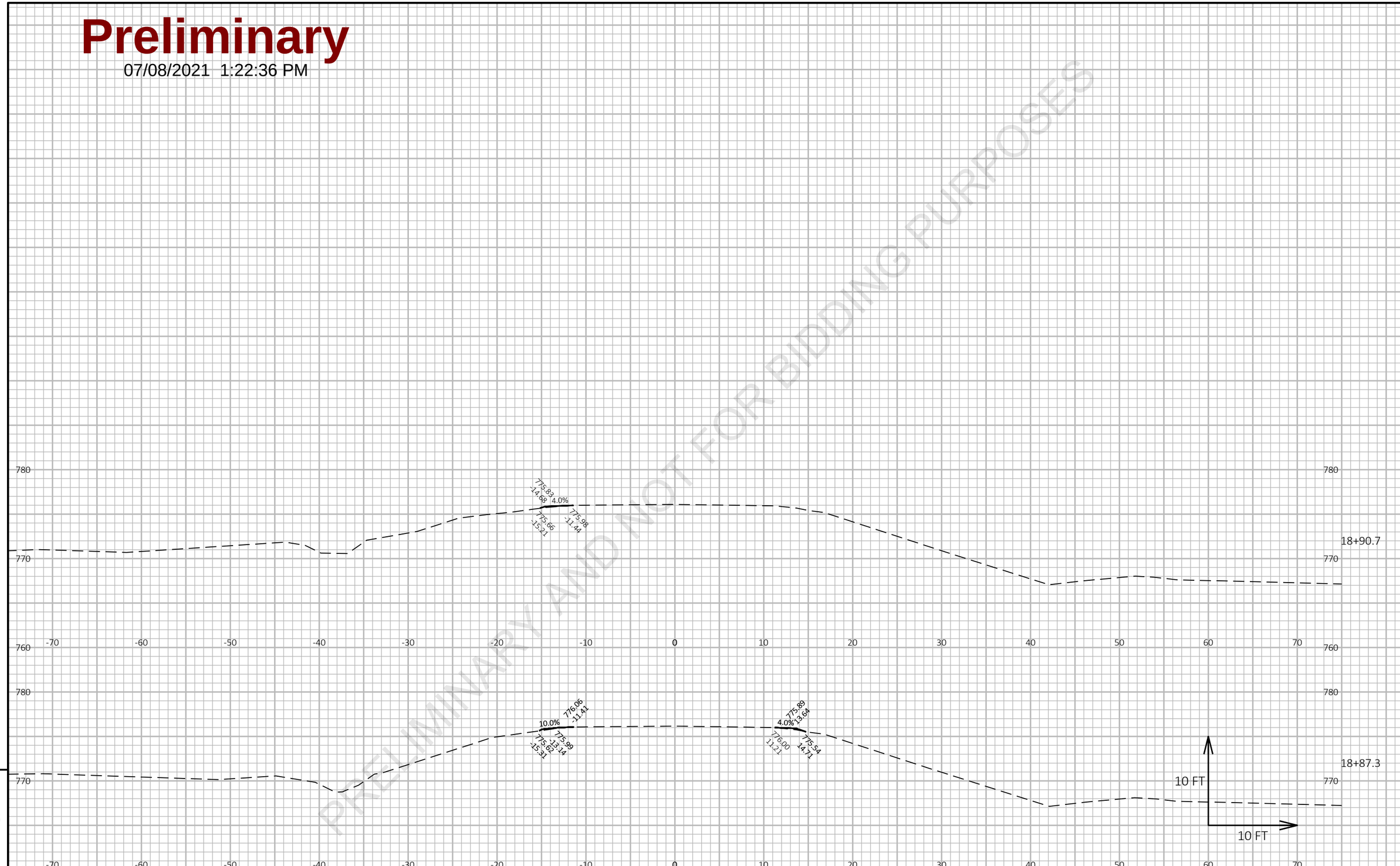
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: REIF MILLS ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Reif Mills EB 2
PLOT DATE : 3/10/2021 6:31 AM
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 1:22:36 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

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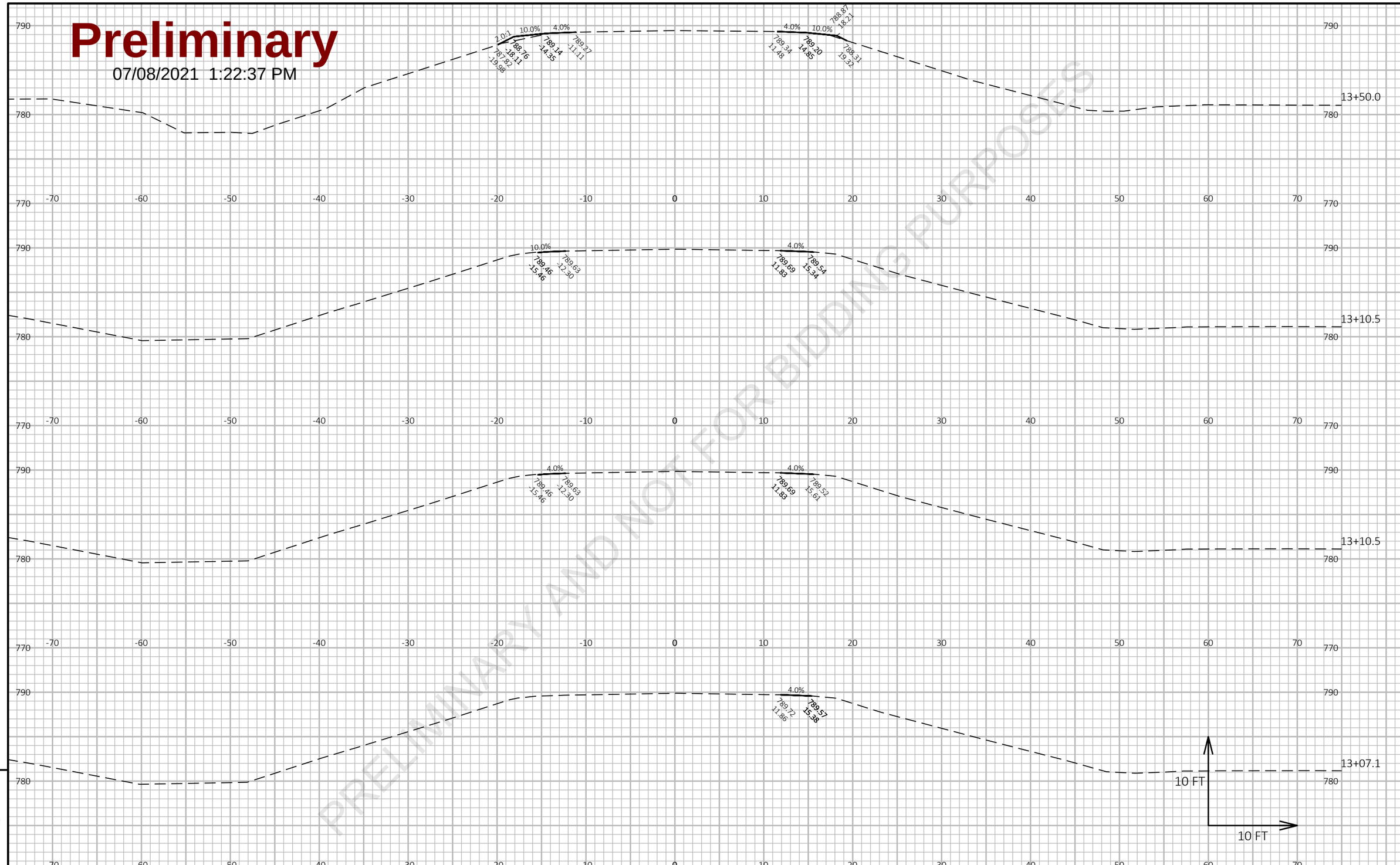
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: REIF MILLS ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Reif Mills EB 3

PLOT DATE : 3/10/2021 6:31 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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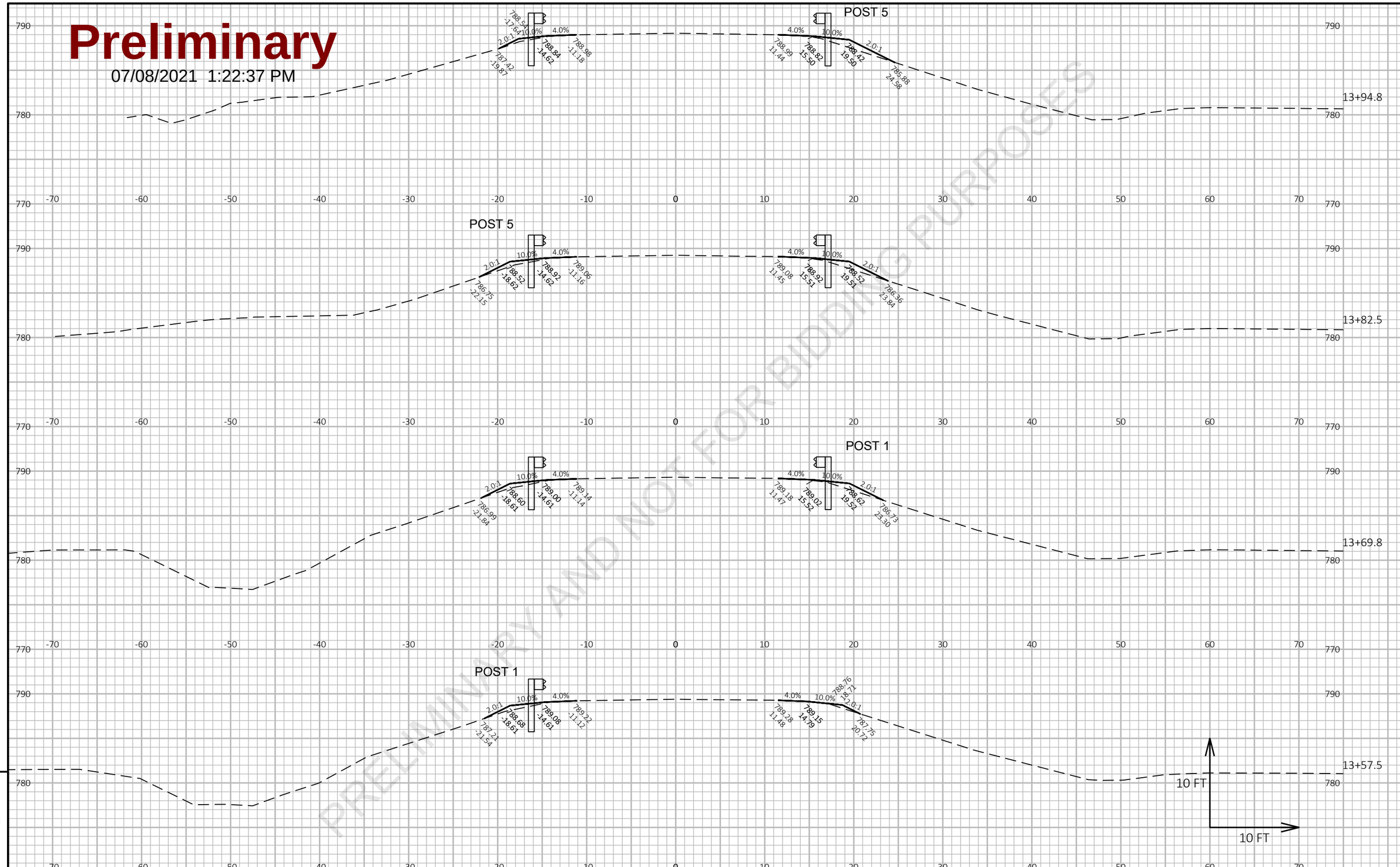
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka WB 1
PLOT DATE : 3/10/2021 6:31 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



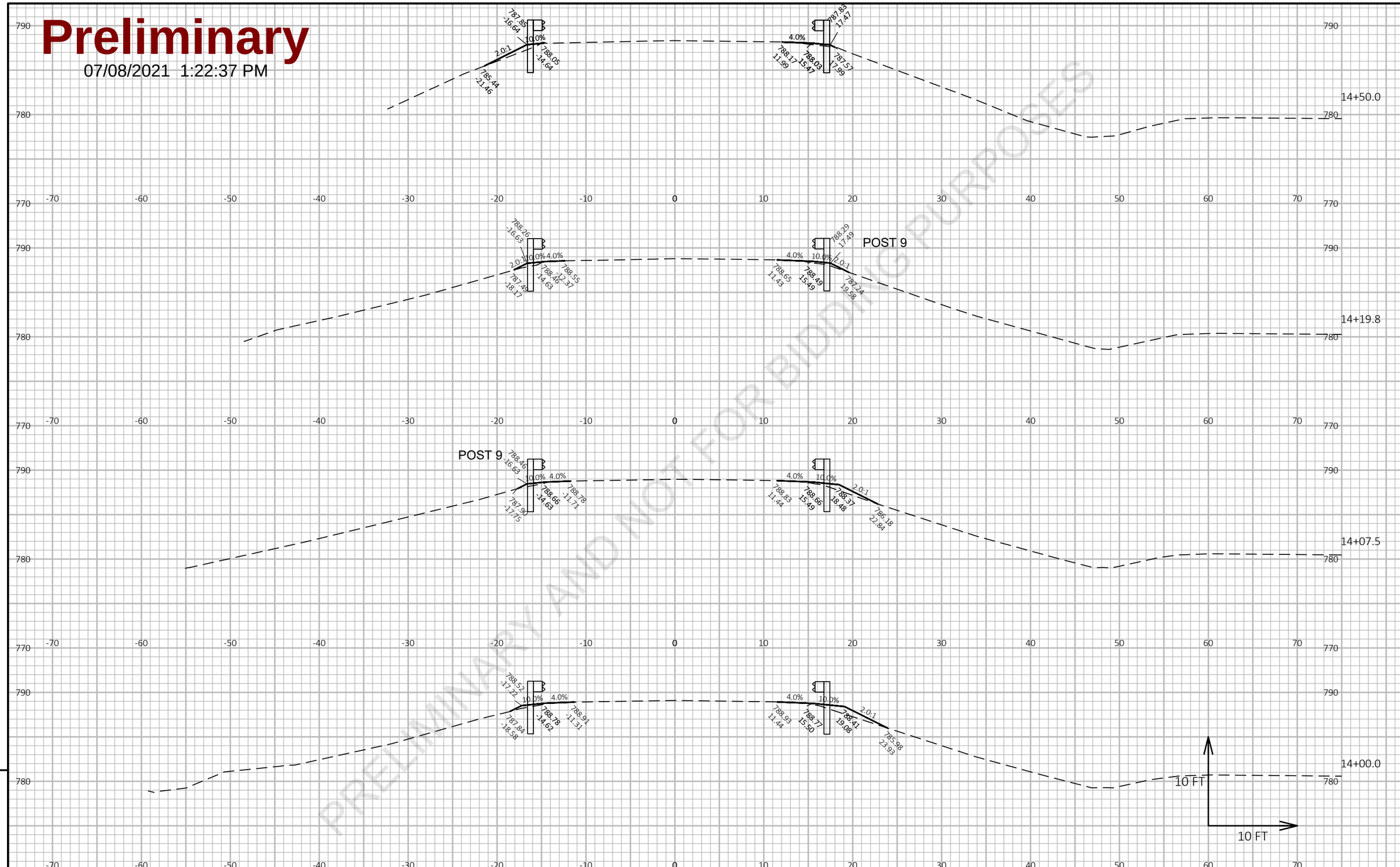
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka WB 2
PLOT DATE : 3/10/2021 6:31 AM
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 1:22:37 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka WB 3

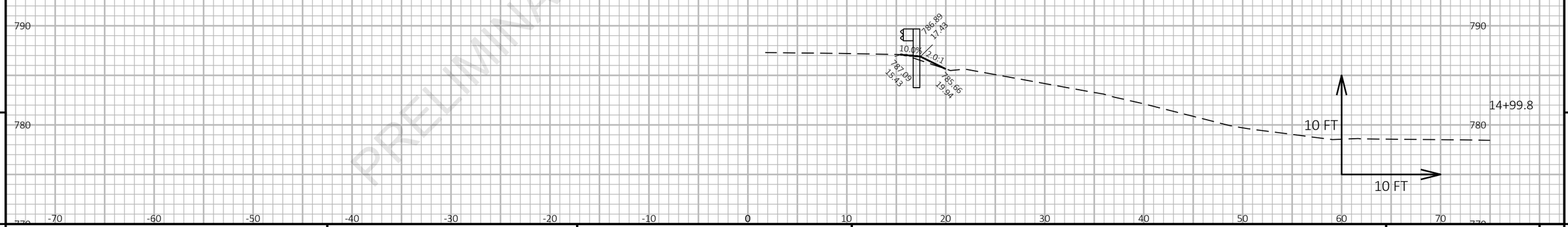
PLOT DATE : 3/10/2021 6:31 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:22:37 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka WB 4

PLOT DATE : 3/10/2021 6:32 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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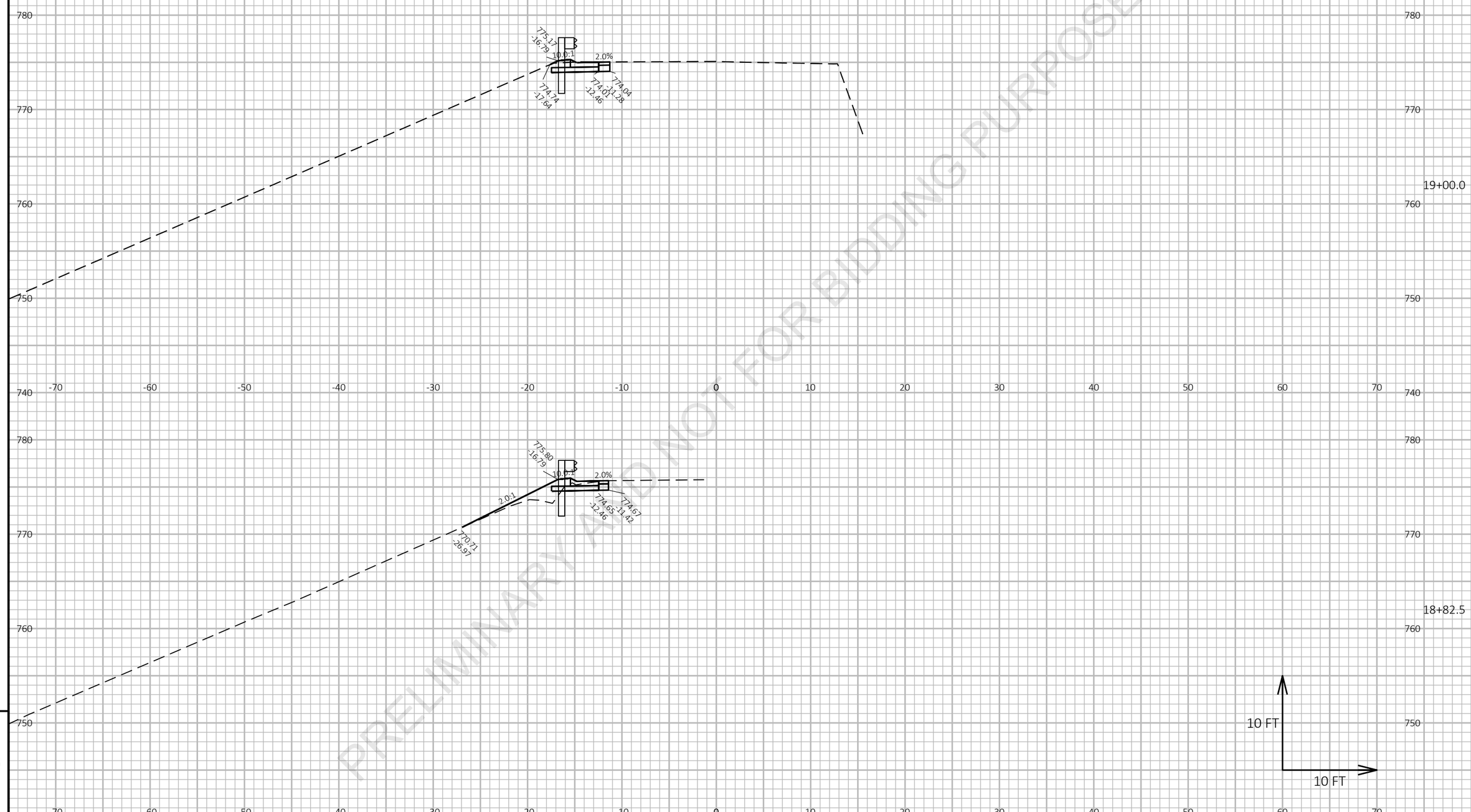

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 1

PLOT DATE : 3/10/2021 6:32 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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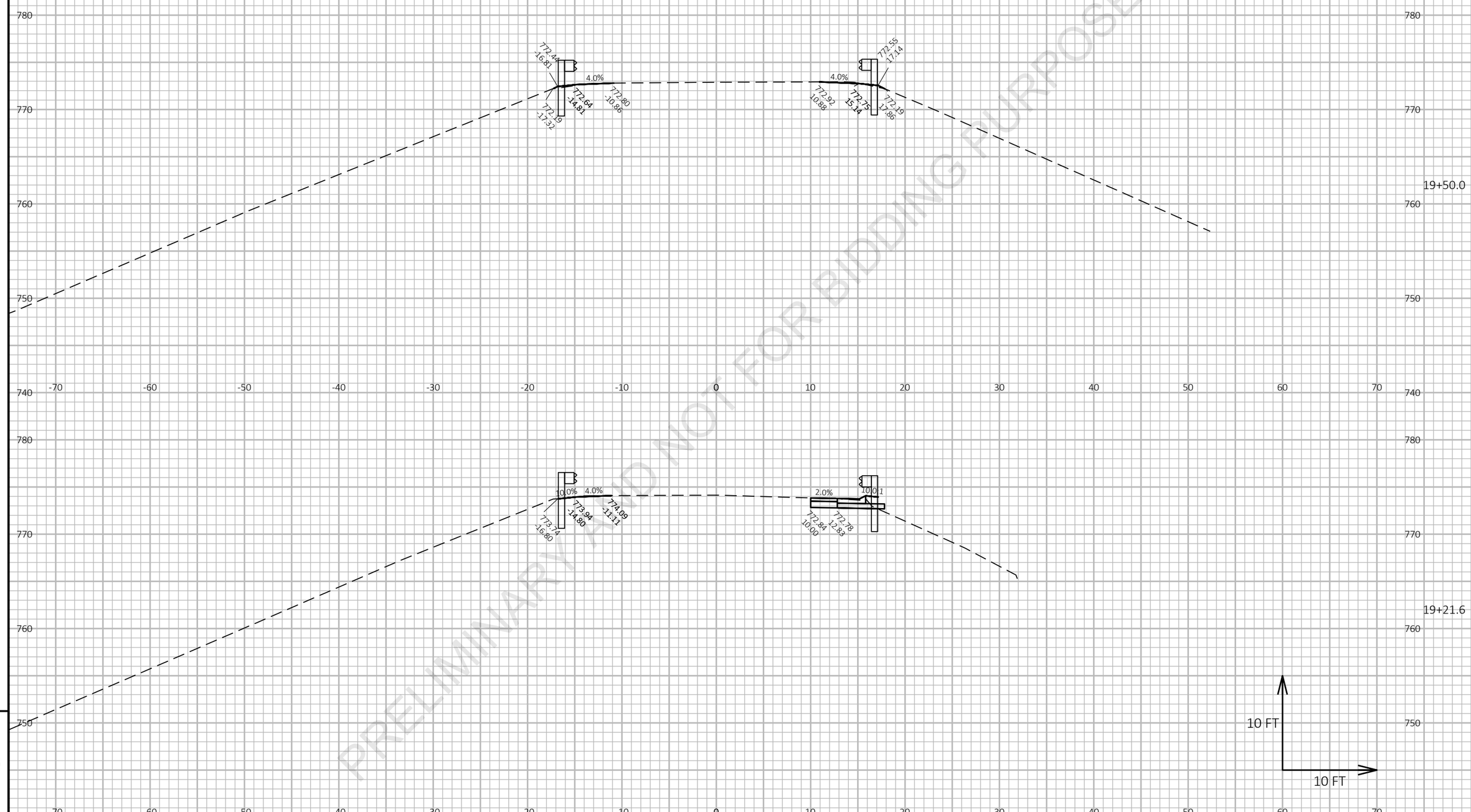

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 2

PLOT DATE : 3/10/2021 6:32 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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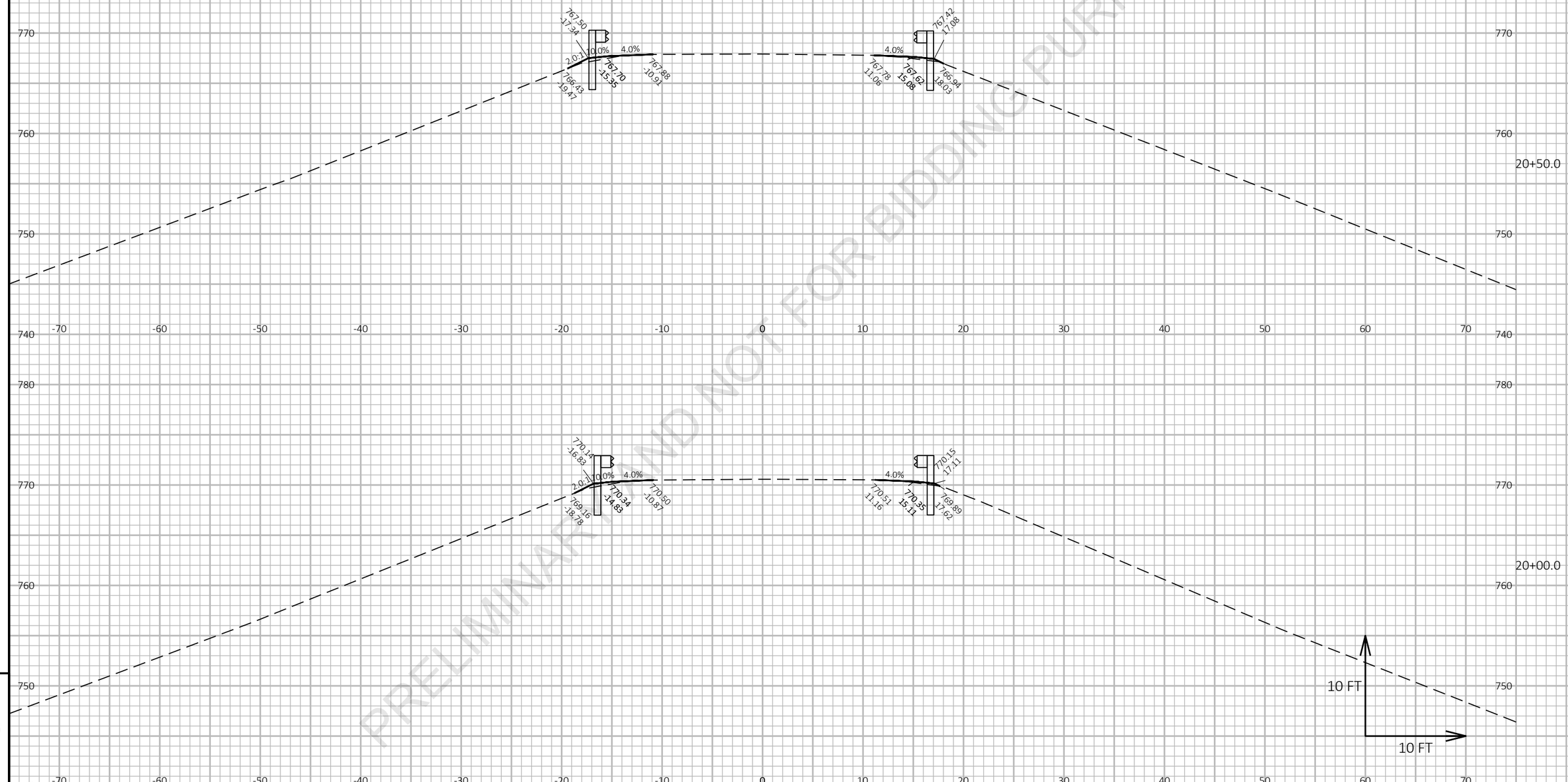

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 3

PLOT DATE : 3/10/2021 6:32 AM

PLOT BY : GARNICA, BRANDON

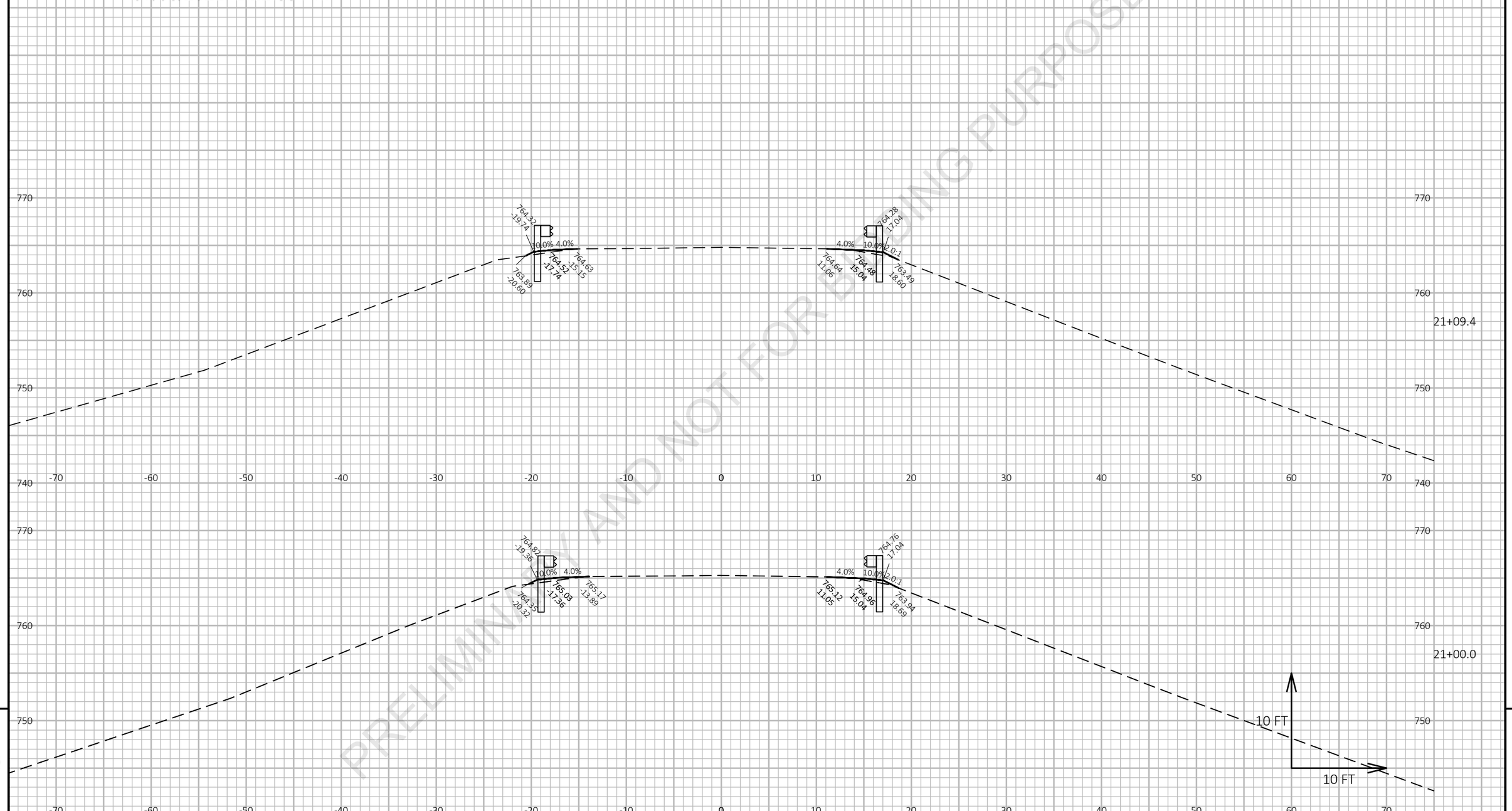
PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:22:38 PM



PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 4

PLOT DATE : 3/10/2021 6:32 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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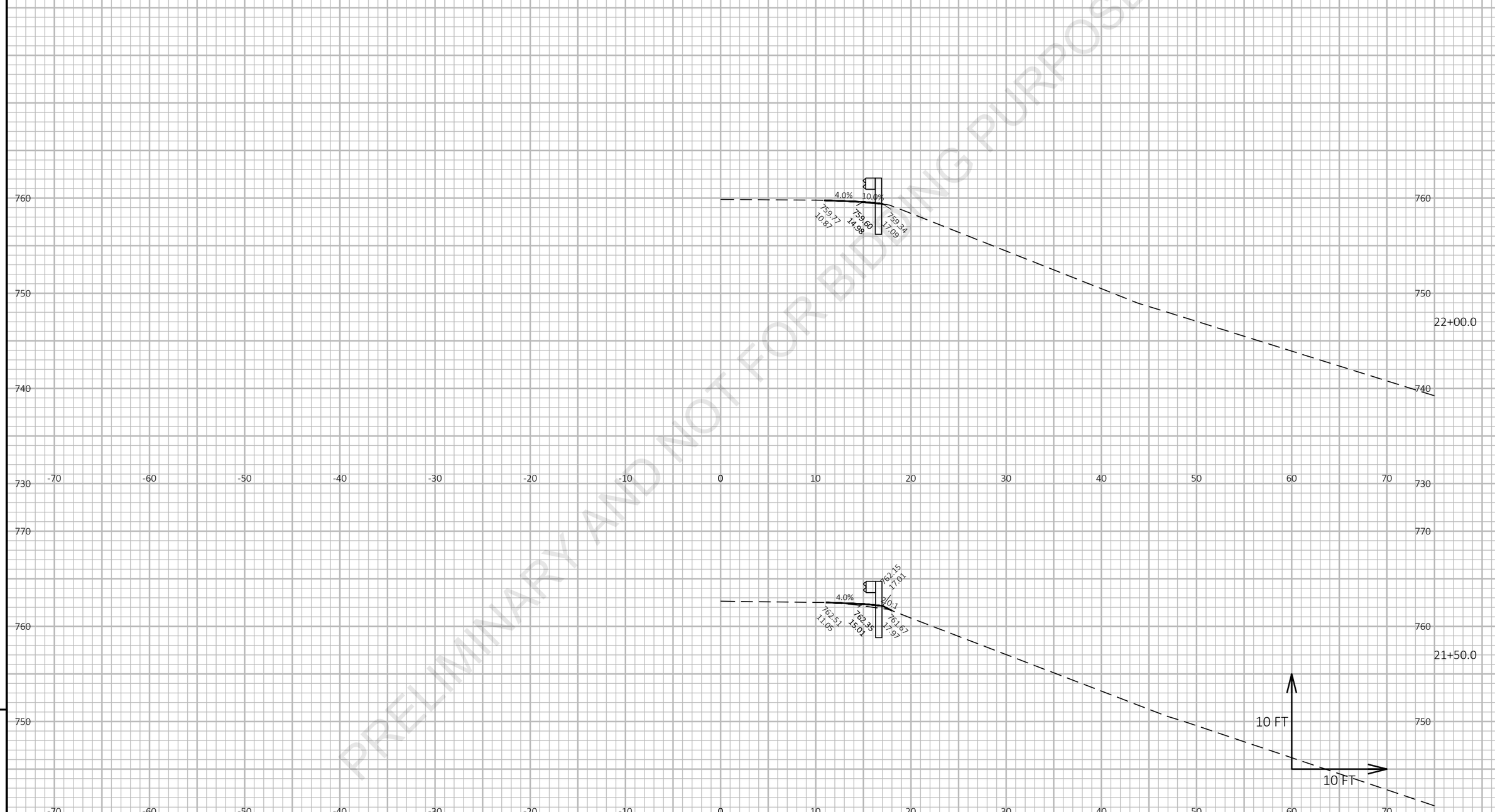


PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

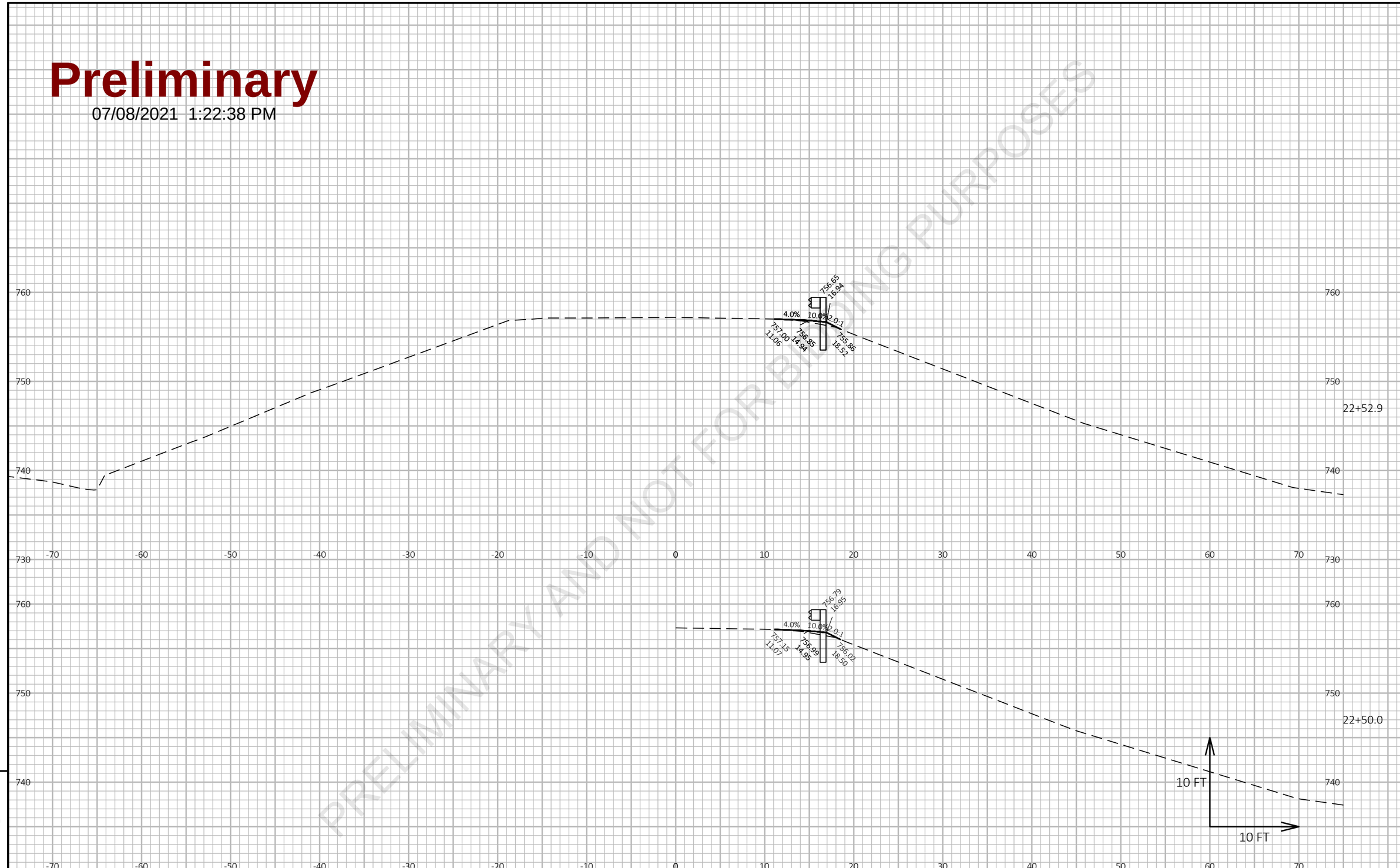
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 5

PLOT DATE : 3/10/2021 6:33 AM 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 1:22:38 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 6

PLOT DATE : 3/10/2021 6:33 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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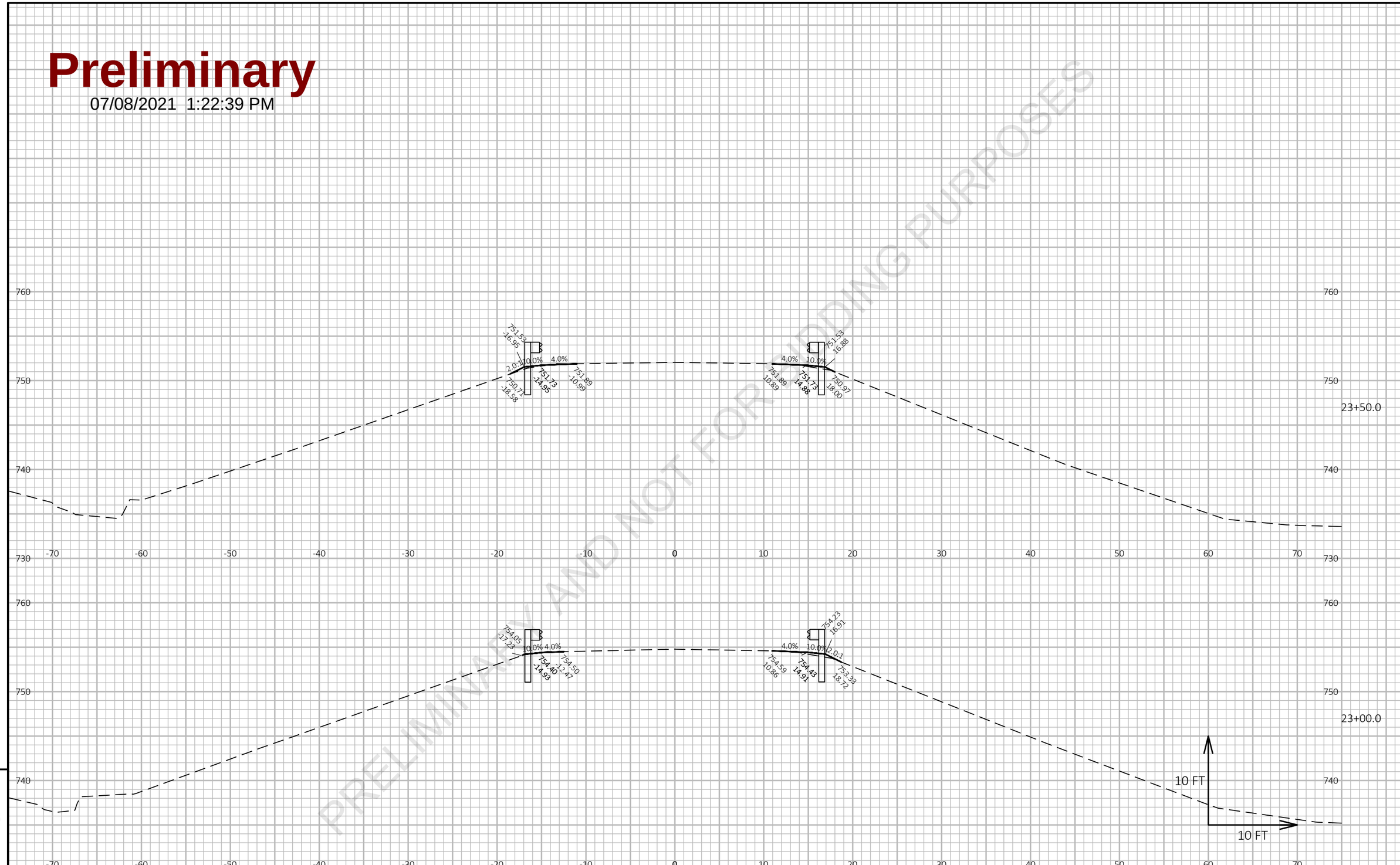

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 7

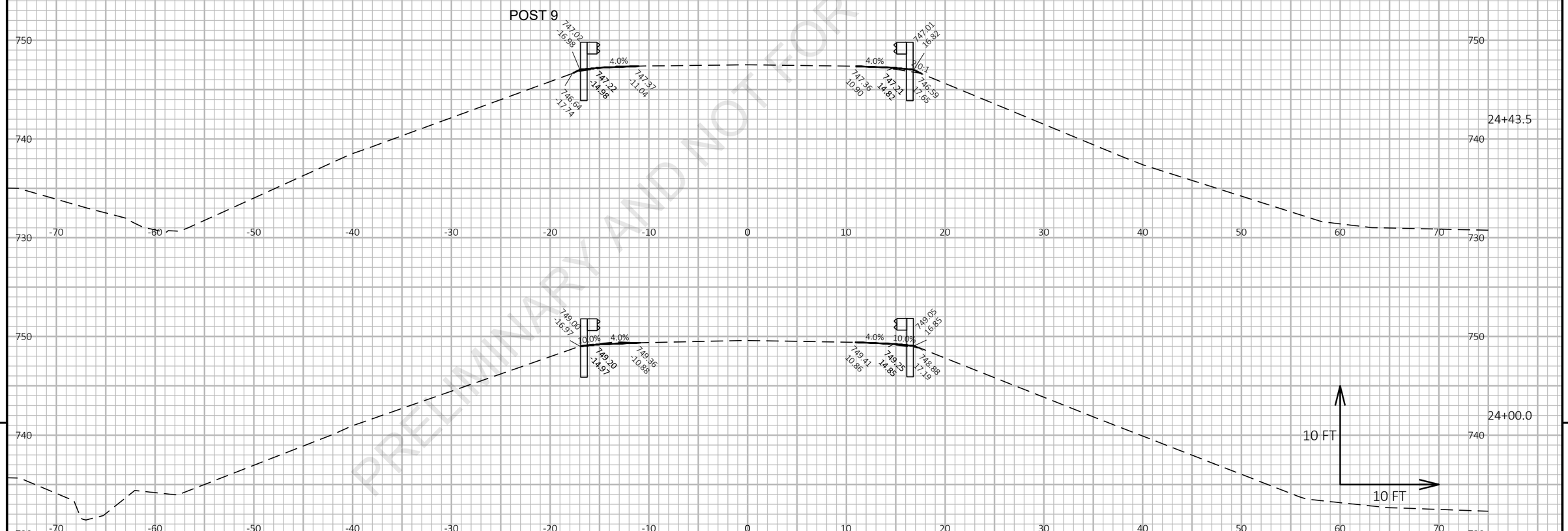
PLOT DATE : 3/10/2021 6:33 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:22:39 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

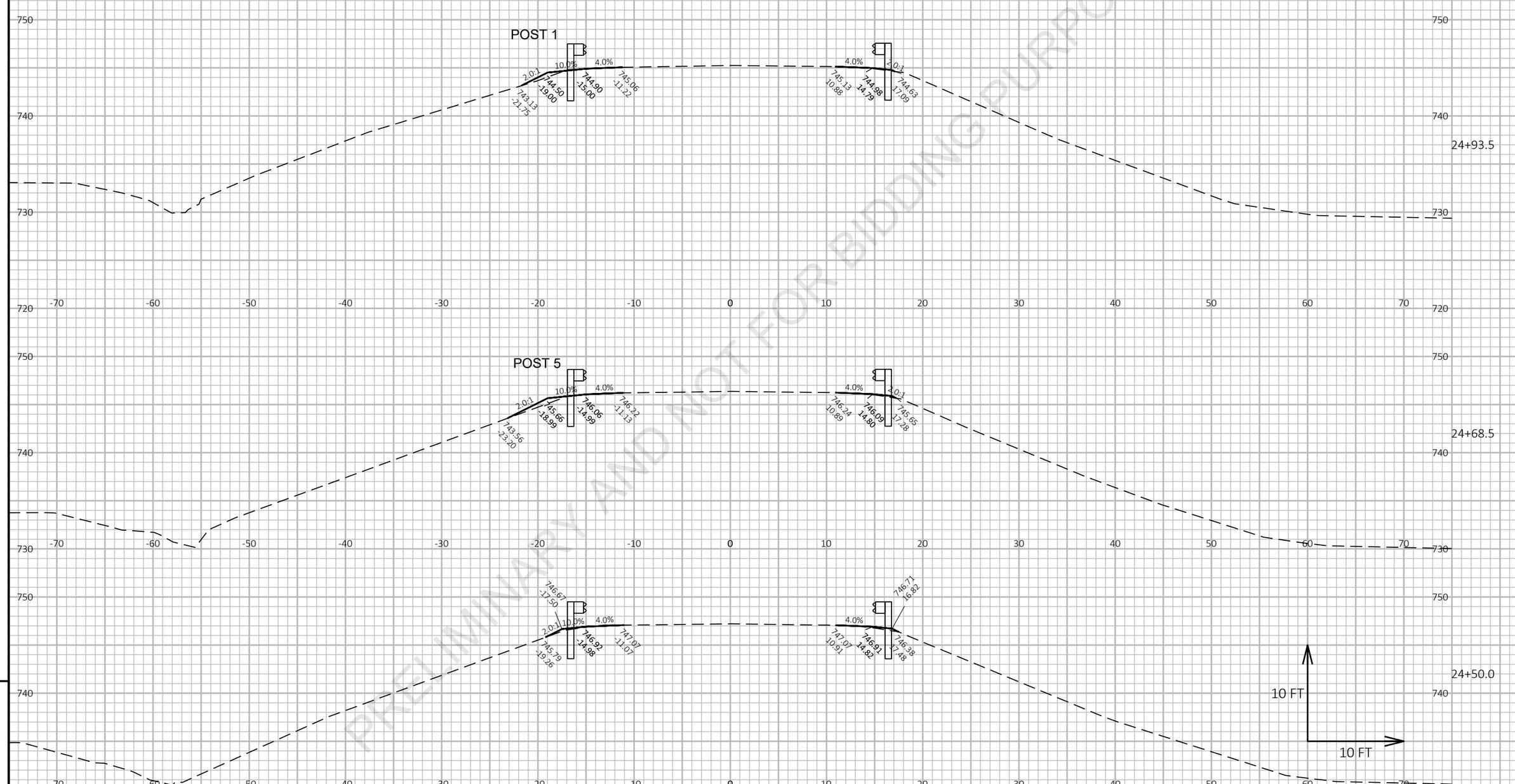
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 8

PLOT DATE : 3/10/2021 6:33 AM 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 1:22:39 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

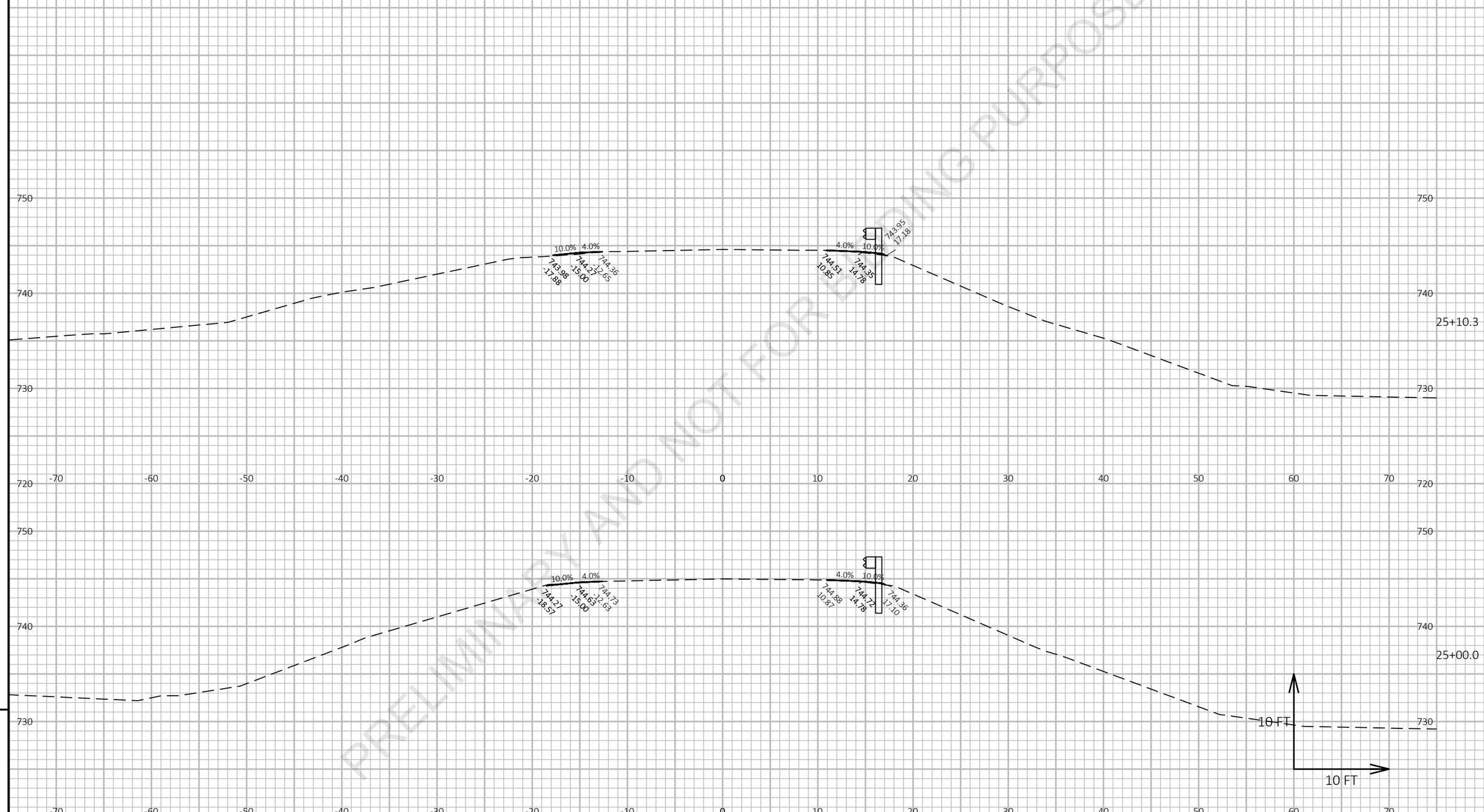
9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 9
PLOT DATE : 3/10/2021 6:34 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:39 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

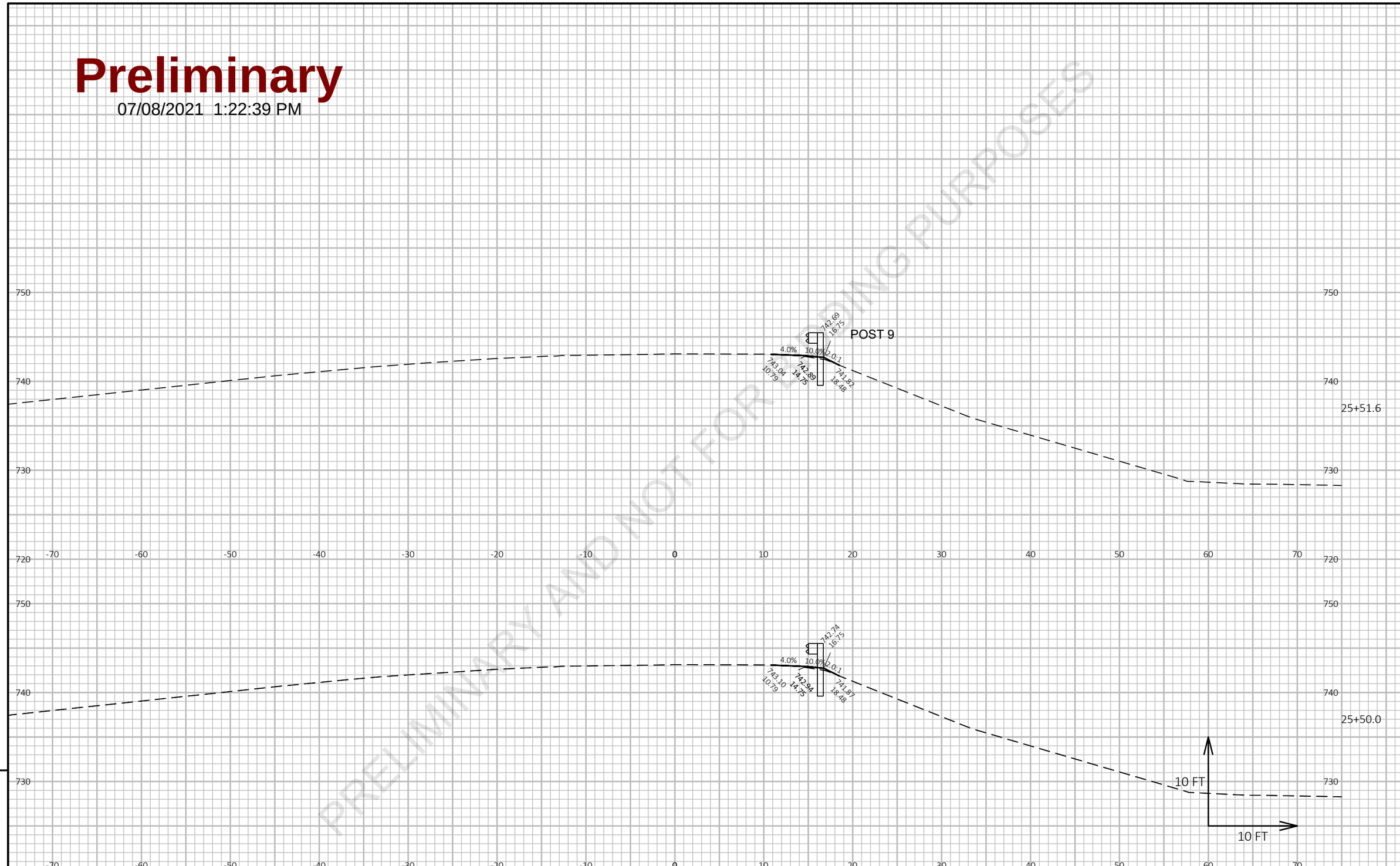
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 10

PLOT DATE : 3/10/2021 6:34 AM 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 1:22:39 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

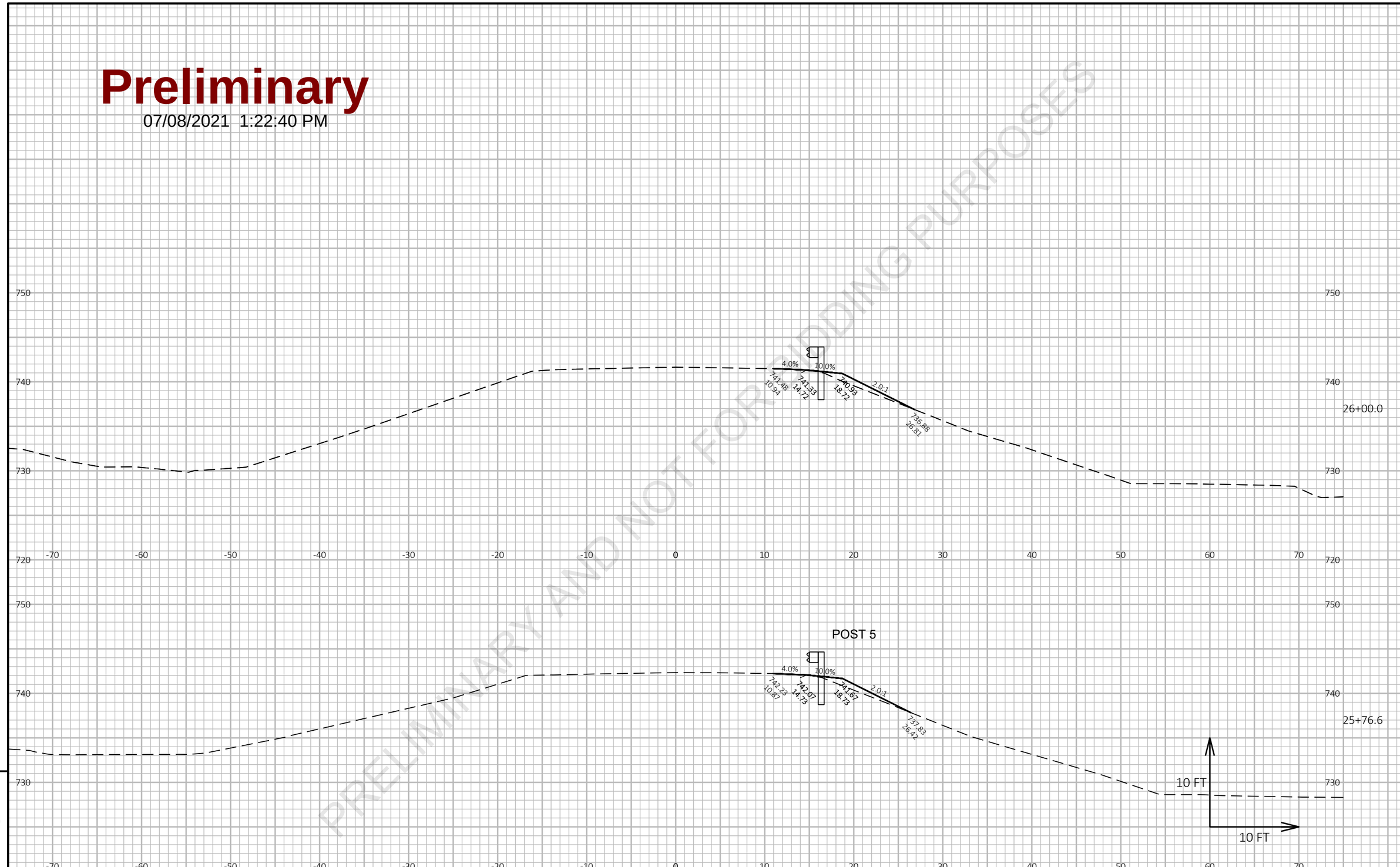
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 11

PLOT DATE : 3/10/2021 6:34 AM 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 1:22:40 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

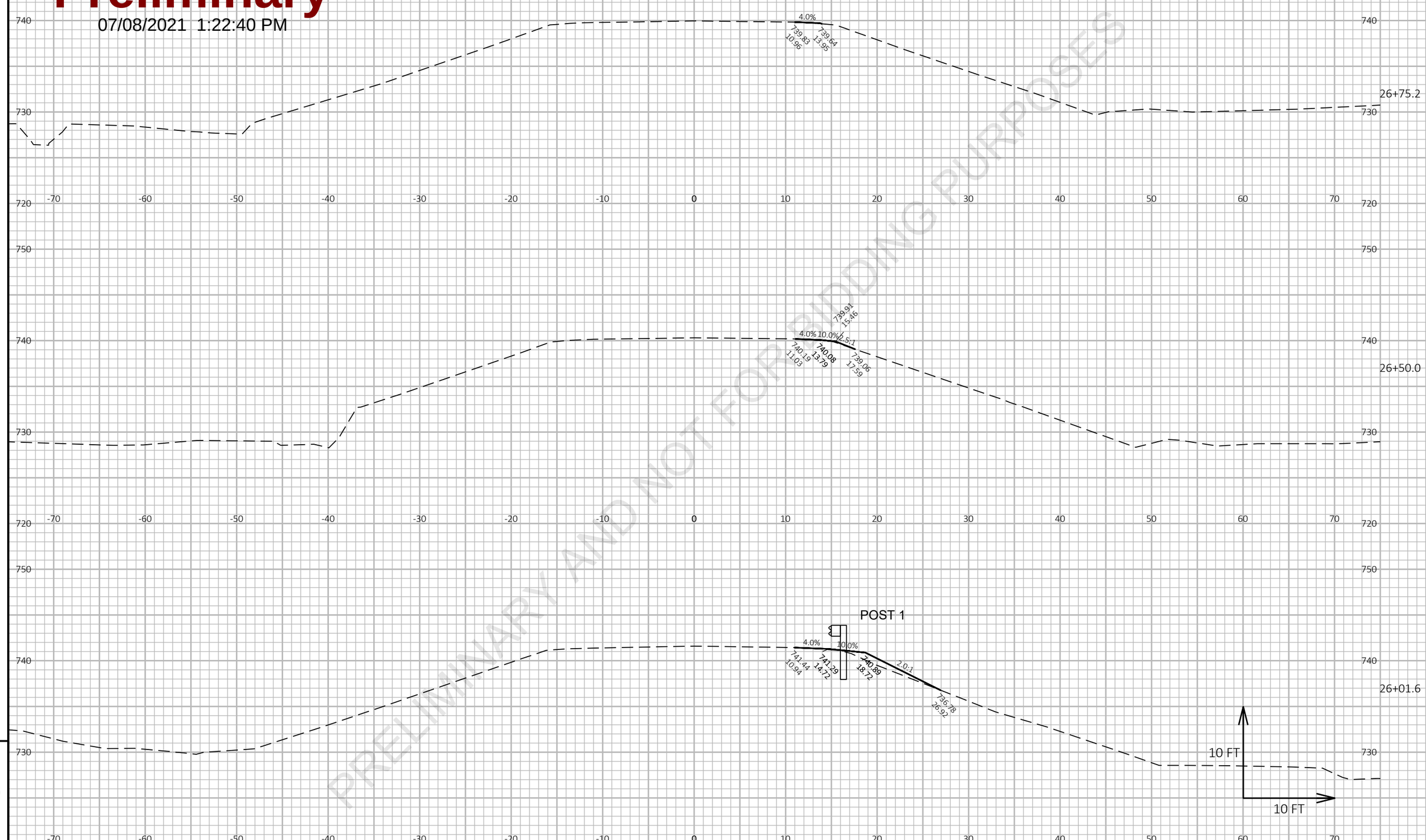
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 12

PLOT DATE : 3/10/2021 6:34 AM 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 1:22:40 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: POLIFKA ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Polifka EB 13

PLOT DATE : 3/10/2021 6:34 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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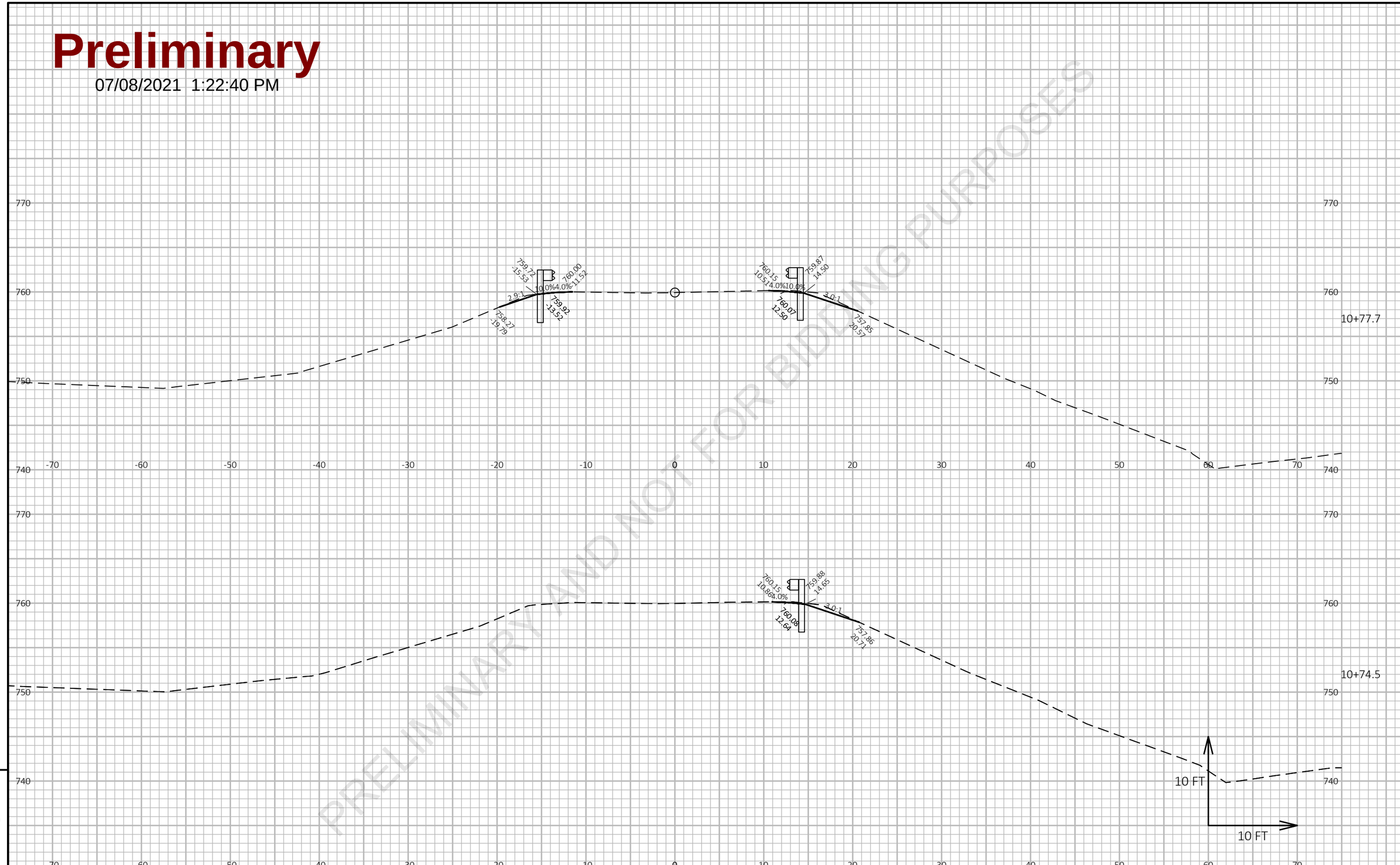

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HILLSIDE LANE	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Hillside NB 1

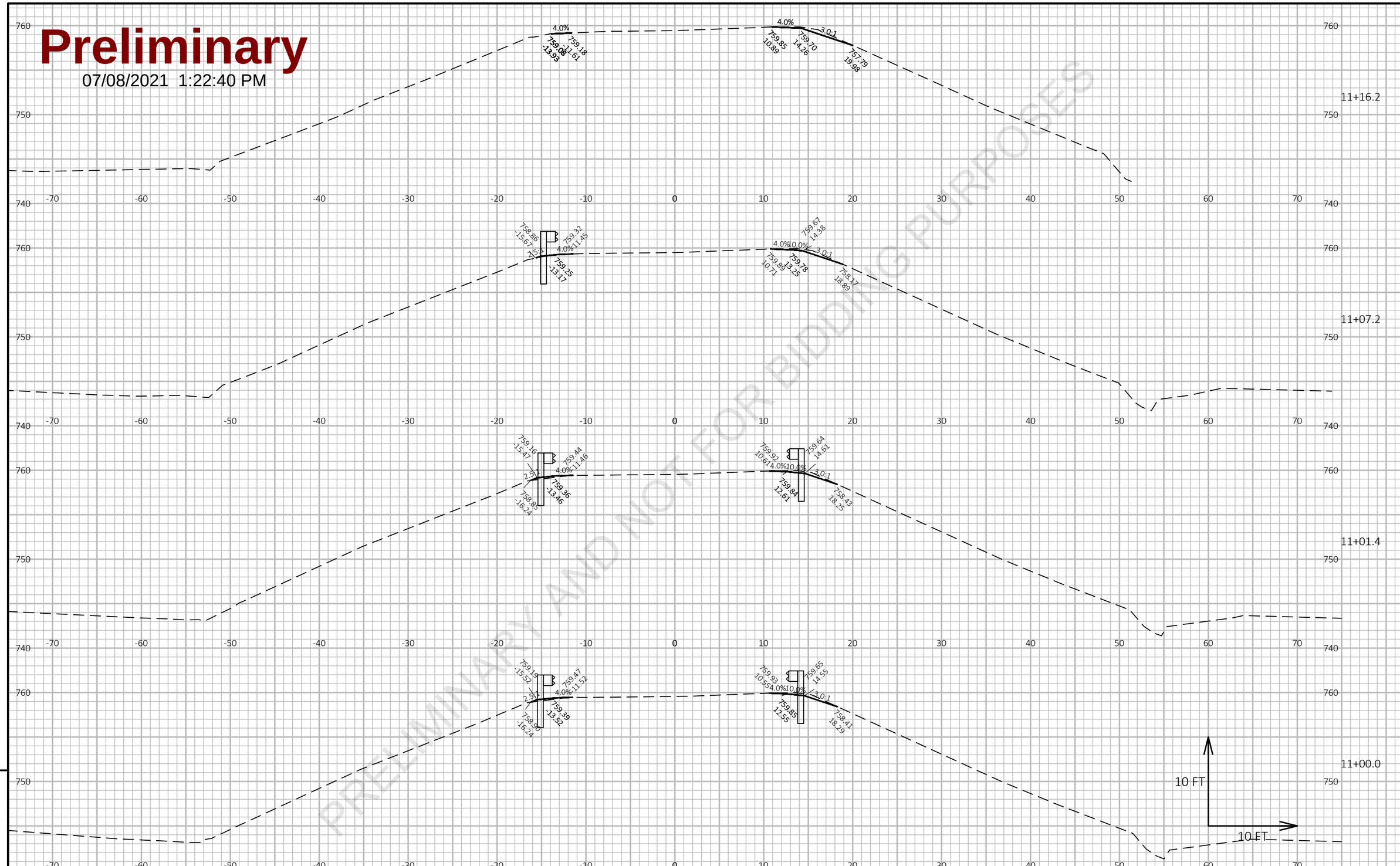
PLOT DATE : 3/10/2021 6:35 AM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

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

WISDOT/CADDS SHEET 49

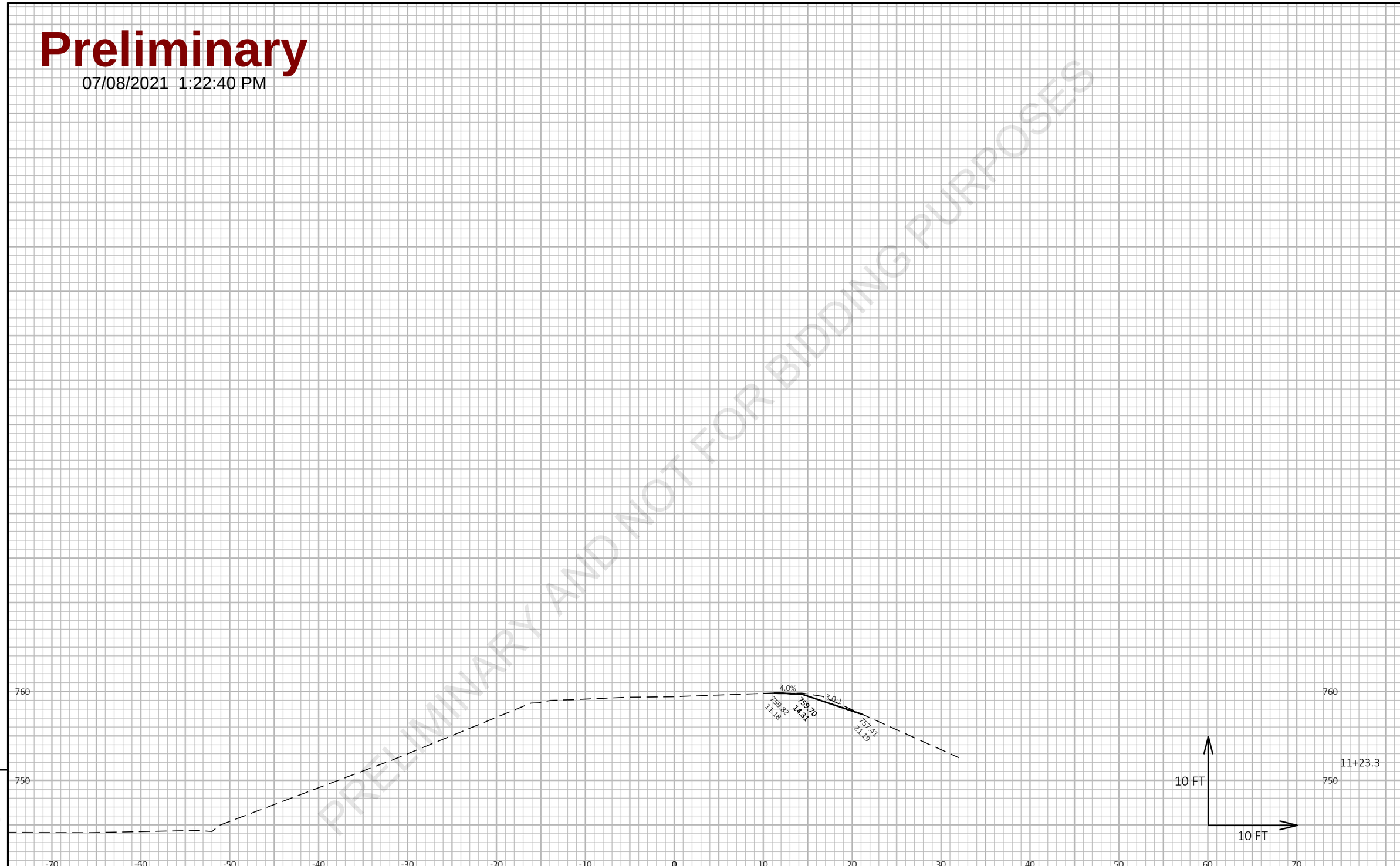


PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HILLSIDE LANE	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Hillside NB 2
PLOT DATE : 3/10/2021 6:35 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:40 PM

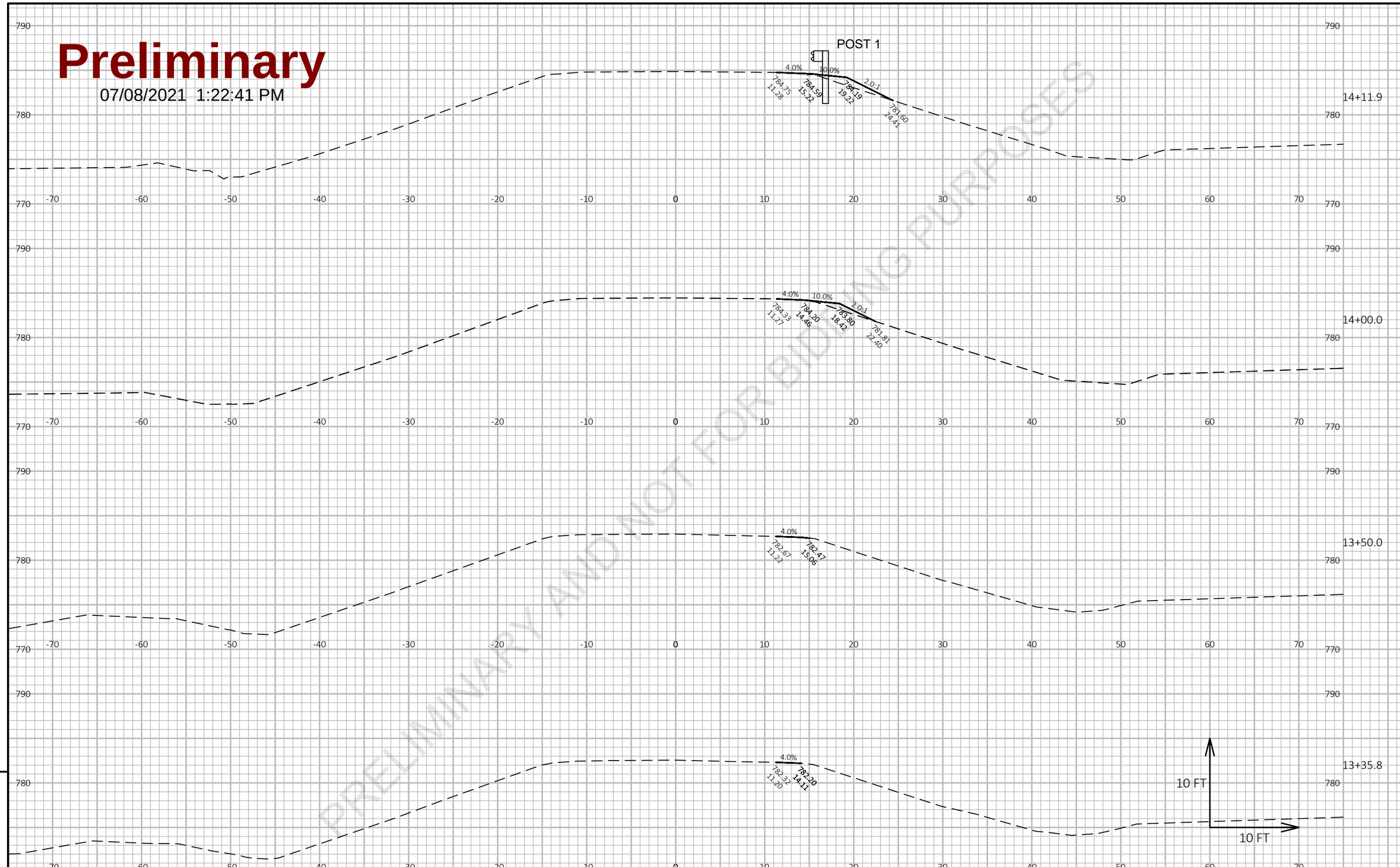


PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: HILLSIDE LANE	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Hillside NB 3

PLOT DATE : 3/10/2021 6:35 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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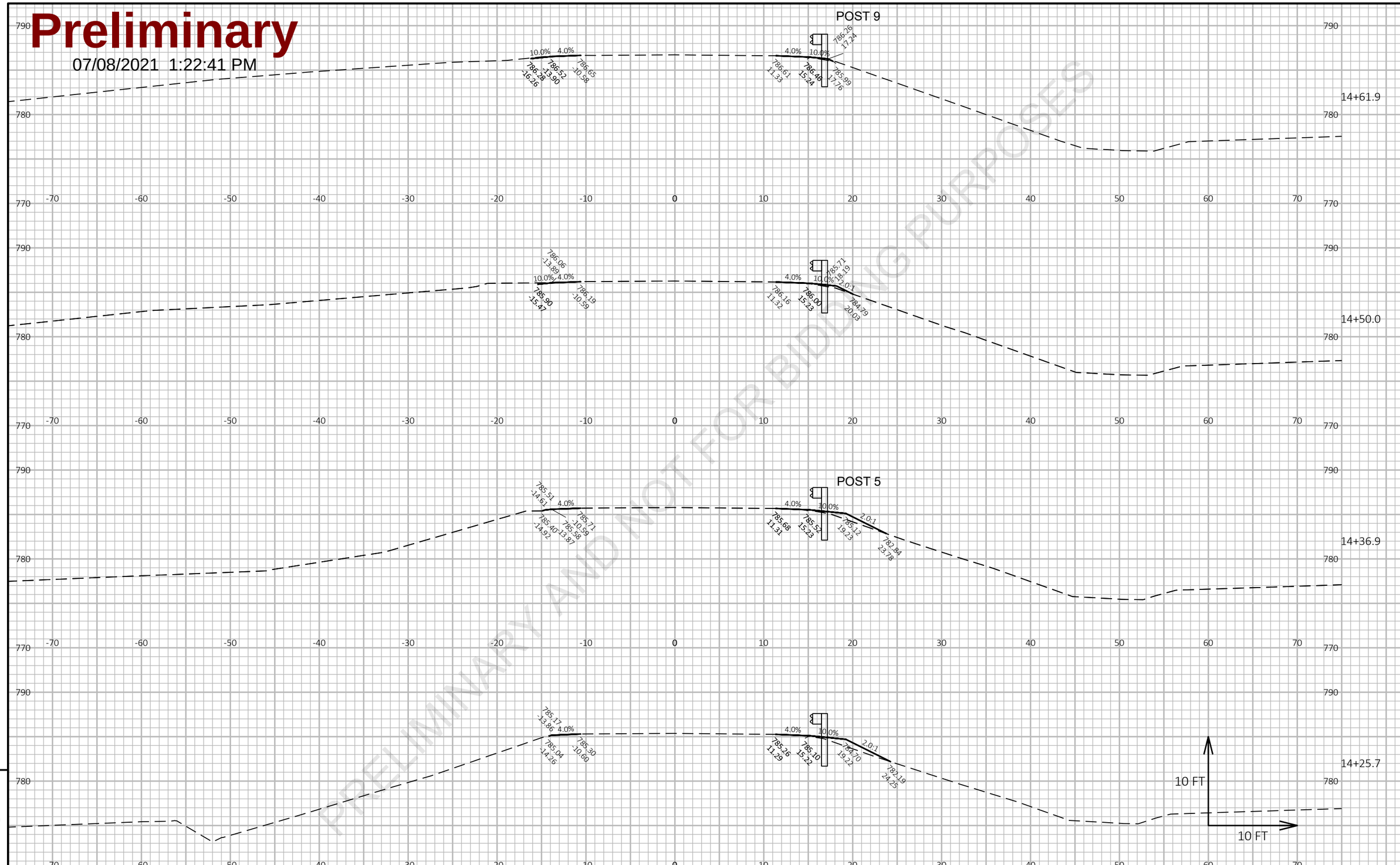
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 1
PLOT DATE : 3/10/2021 6:35 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

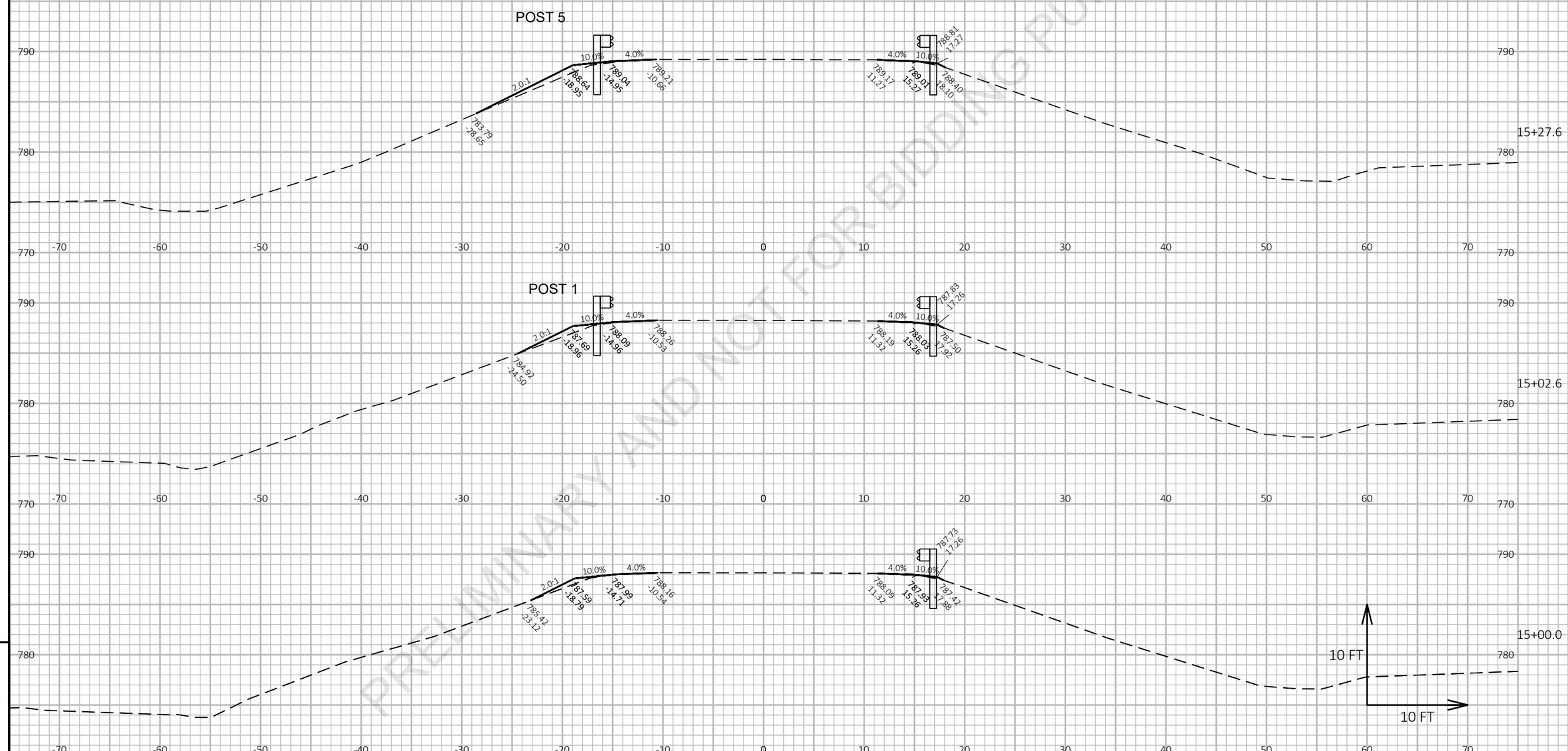


PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 2
PLOT DATE : 3/10/2021 6:35 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:41 PM



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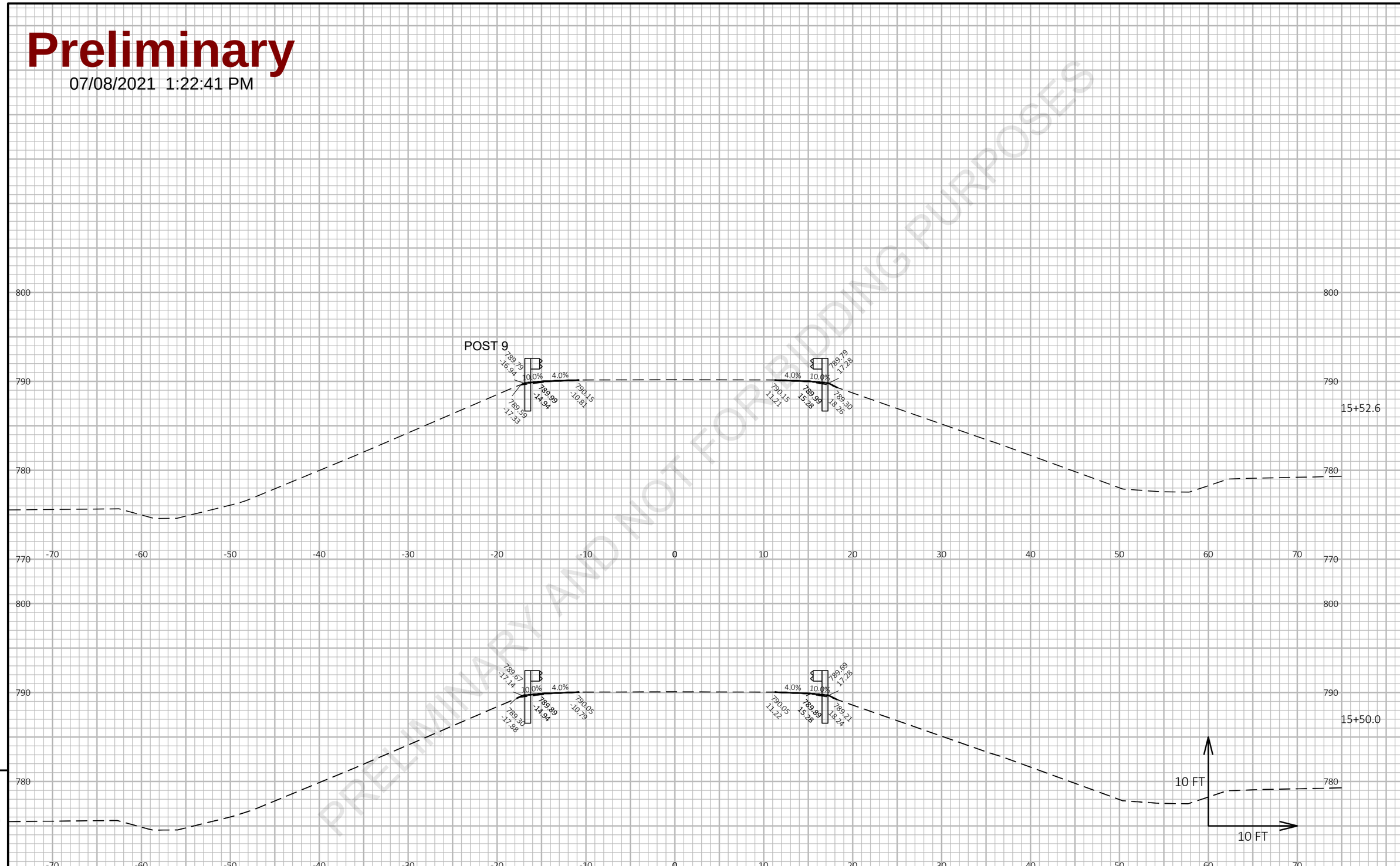
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 3
PLOT DATE : 3/10/2021 6:36 AM
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 1:22:41 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

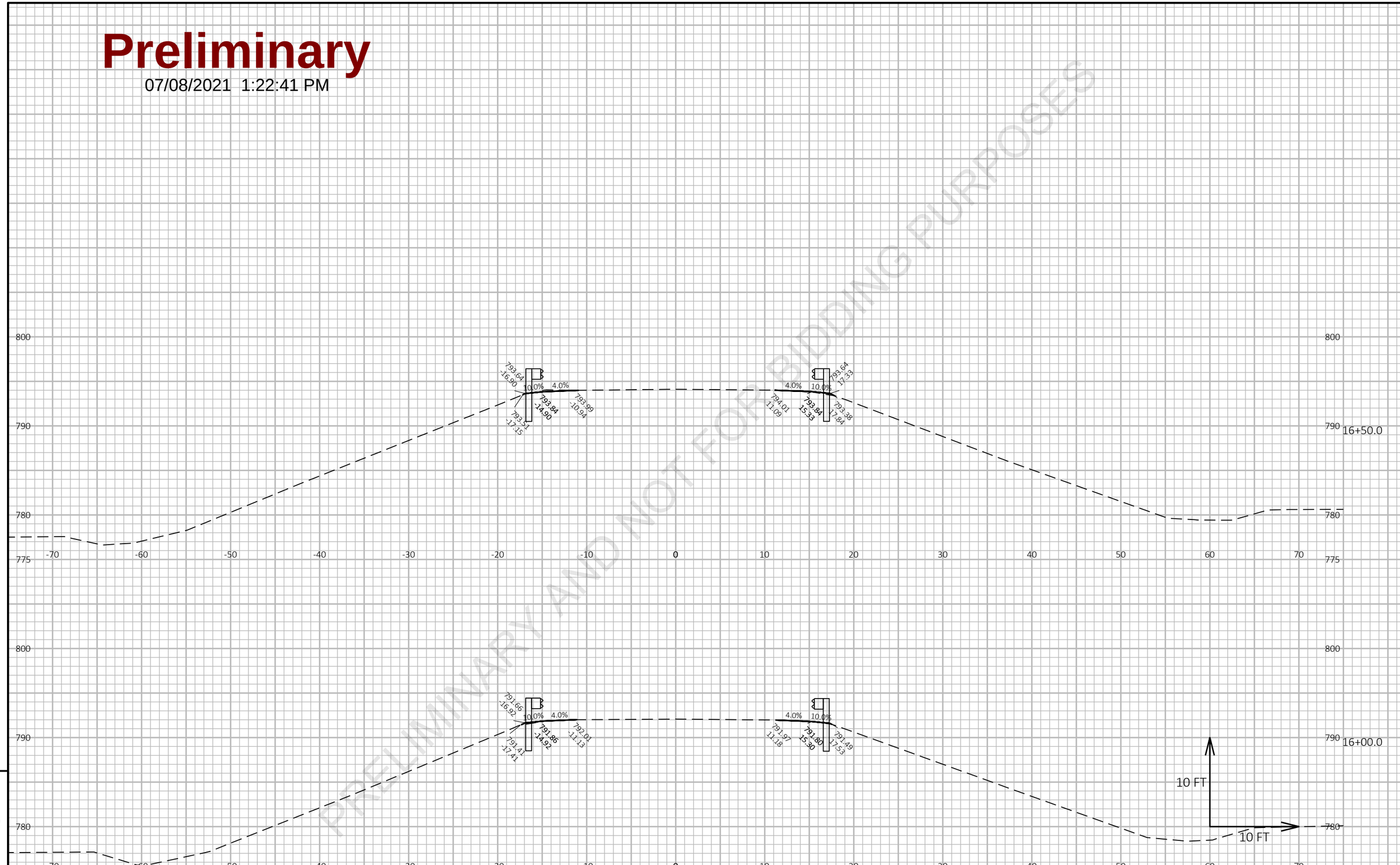
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 4

PLOT DATE : 3/10/2021 6:36 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:41 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

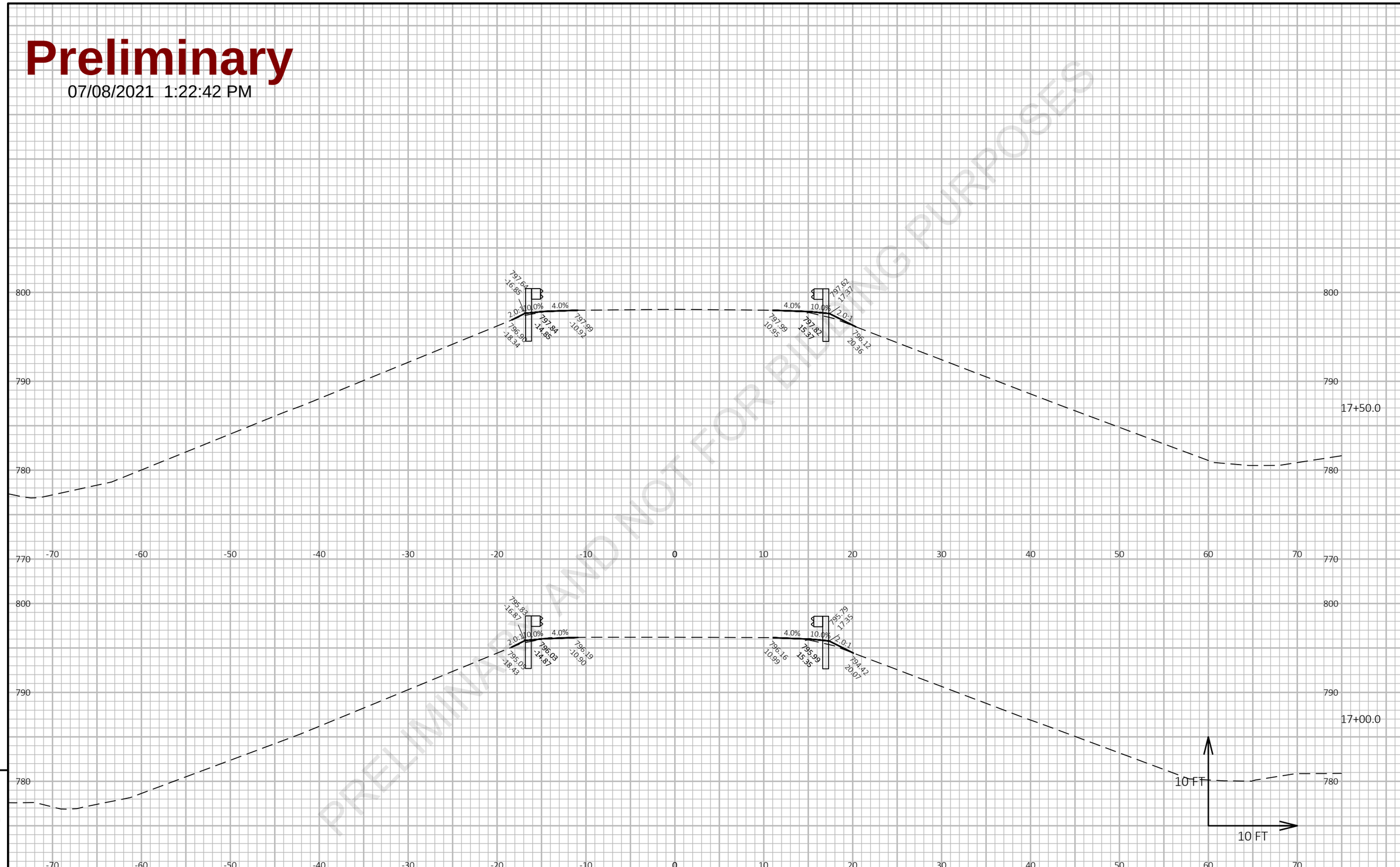
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 5

PLOT DATE : 3/10/2021 6:36 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

07/08/2021 1:22:42 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 6

PLOT DATE : 3/10/2021 6:36 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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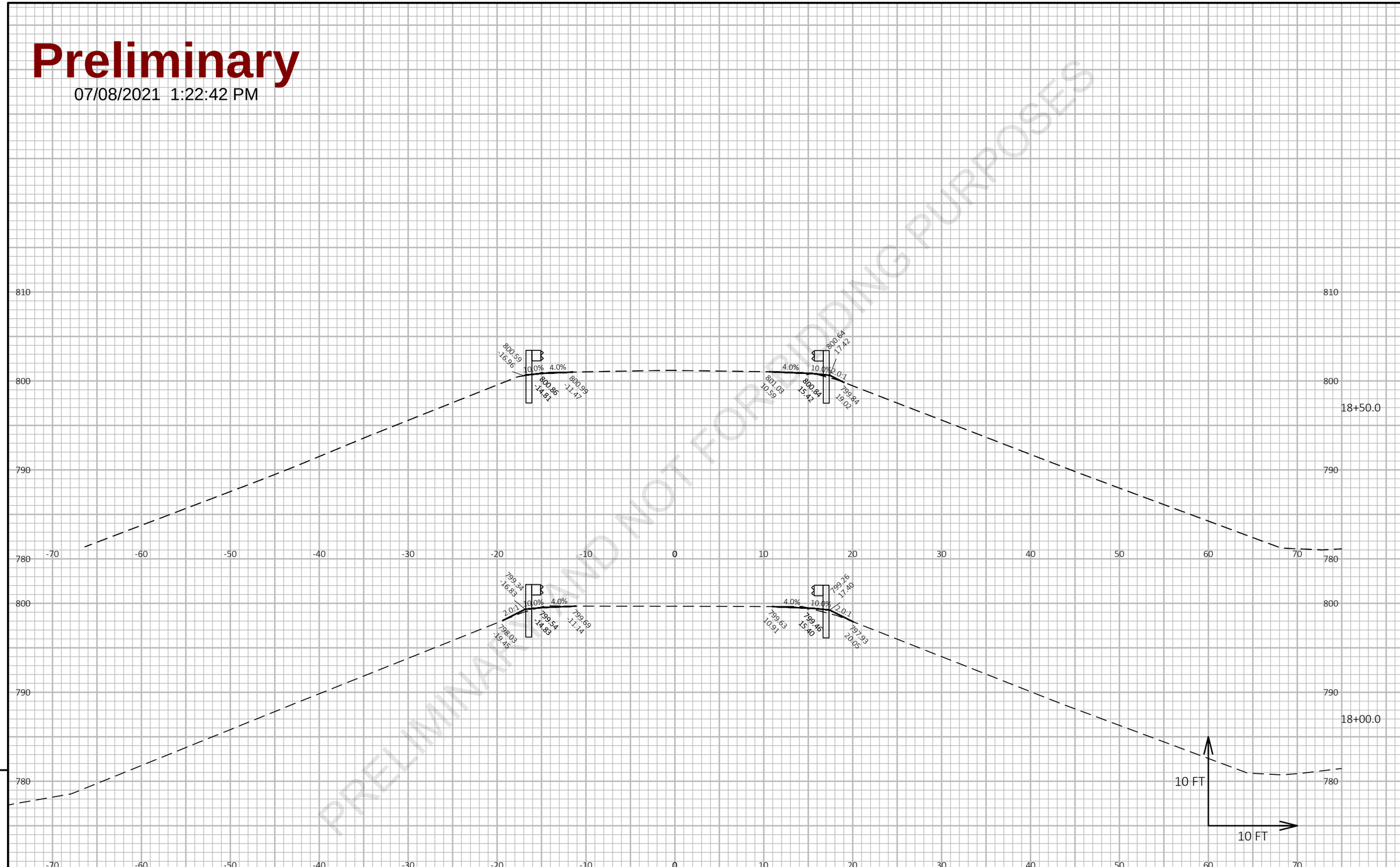

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 7

PLOT DATE : 3/10/2021 6:37 AM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

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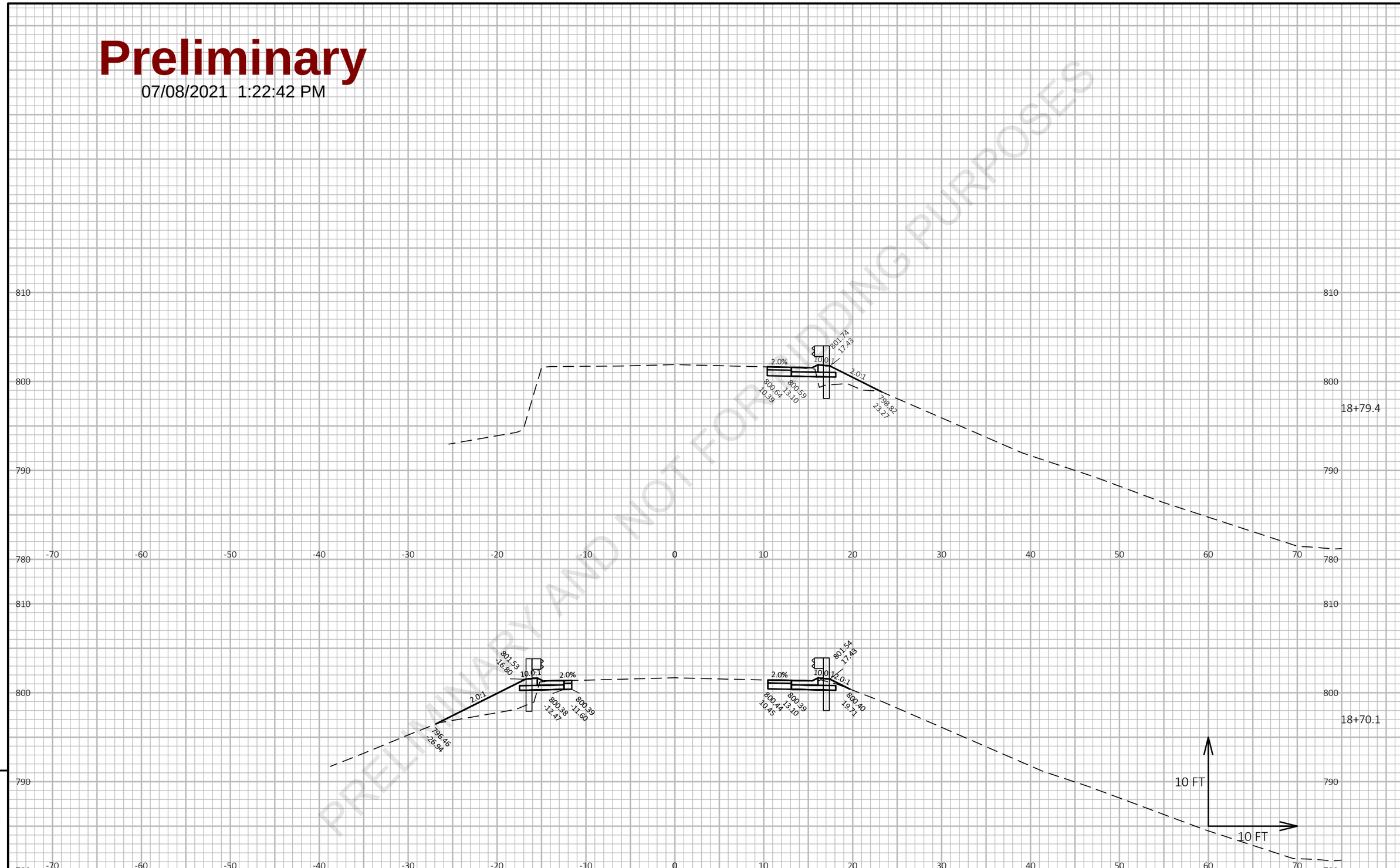

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville WB 8

PLOT DATE : 3/10/2021 6:37 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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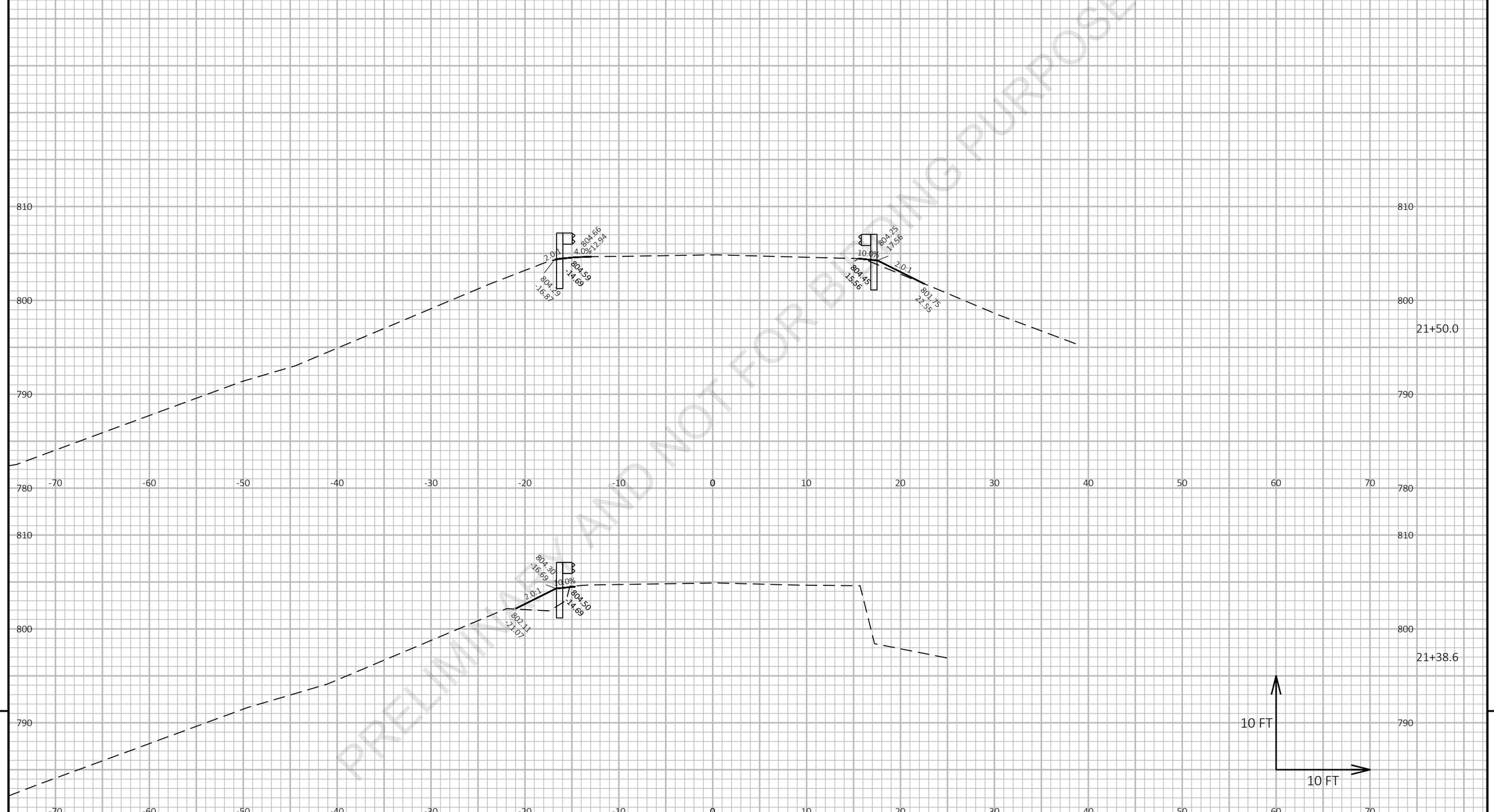

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 1
PLOT DATE : 3/10/2021 6:37 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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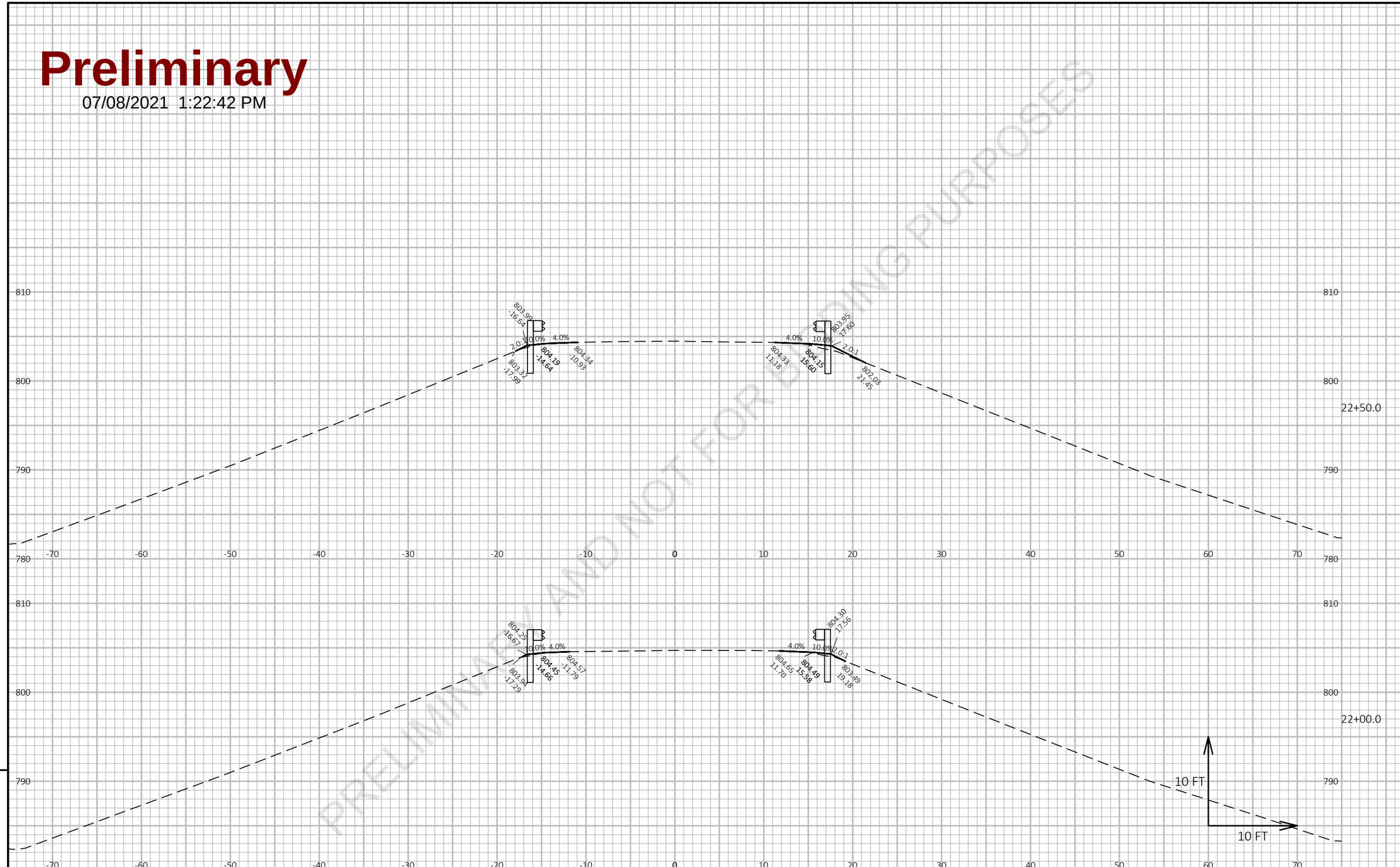

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 2

PLOT DATE : 3/10/2021 6:37 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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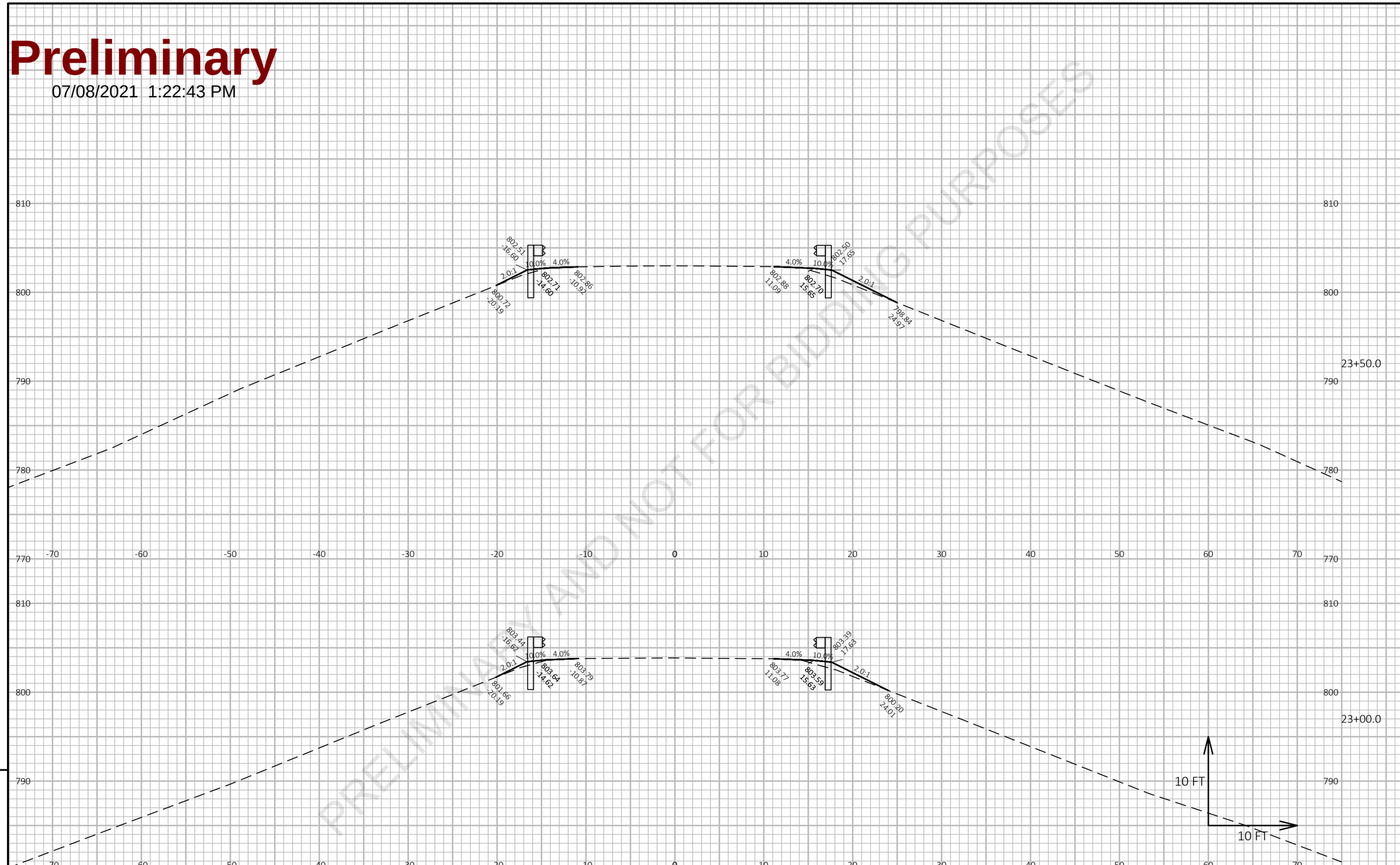

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 3

PLOT DATE : 3/10/2021 6:37 AM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

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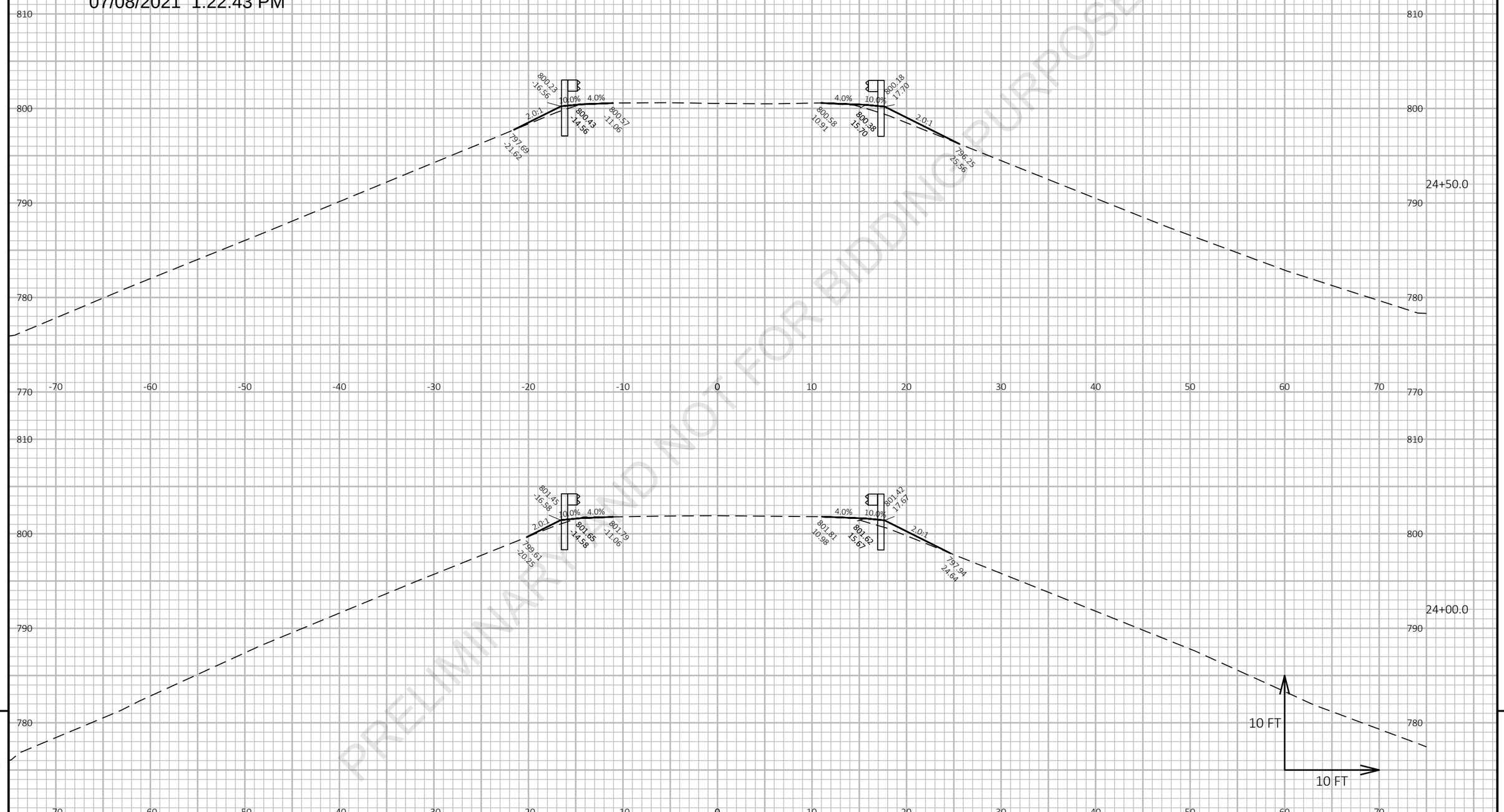

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 4
PLOT DATE : 3/10/2021 6:38 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Preliminary

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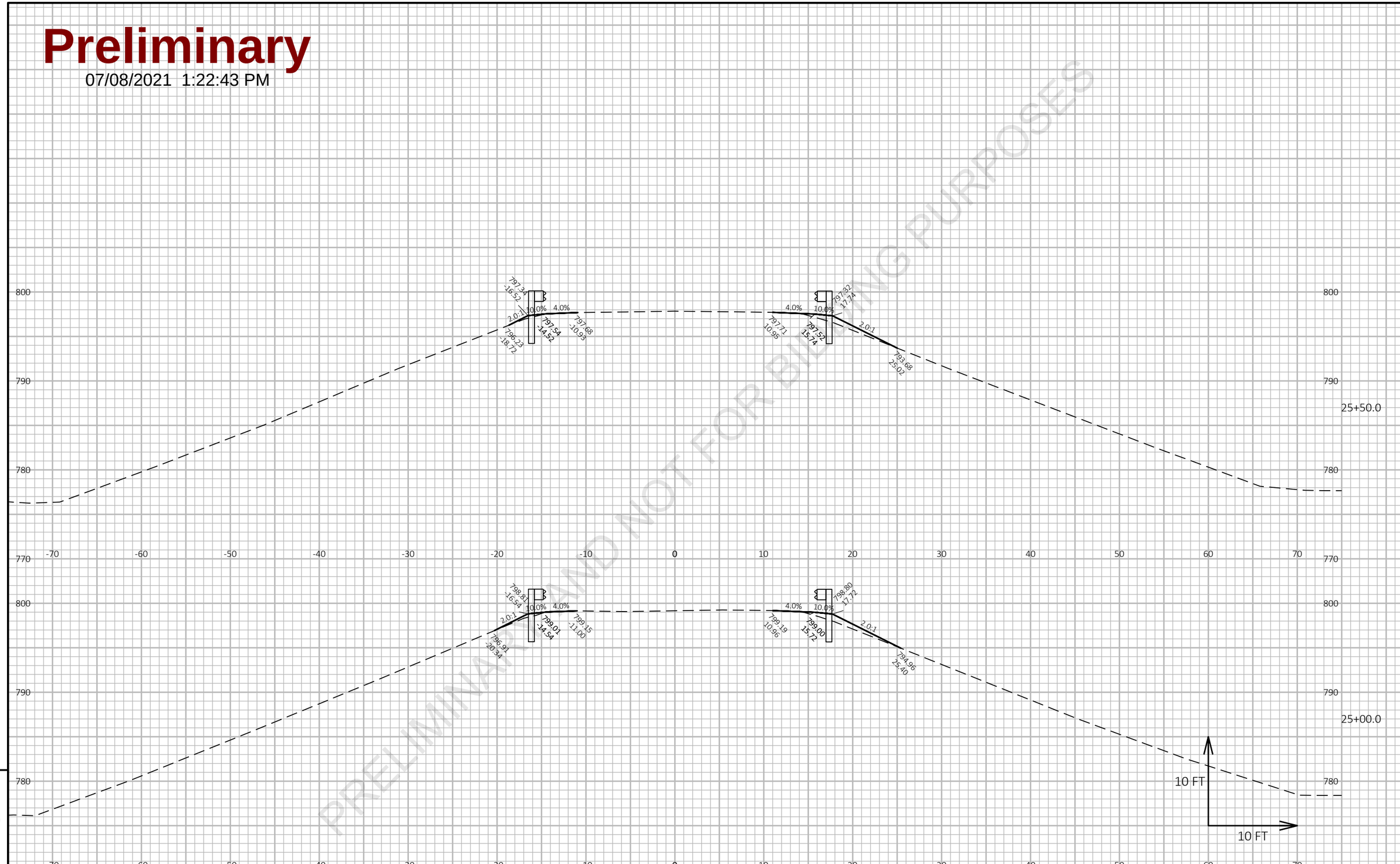

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 5

PLOT DATE : 3/10/2021 6:38 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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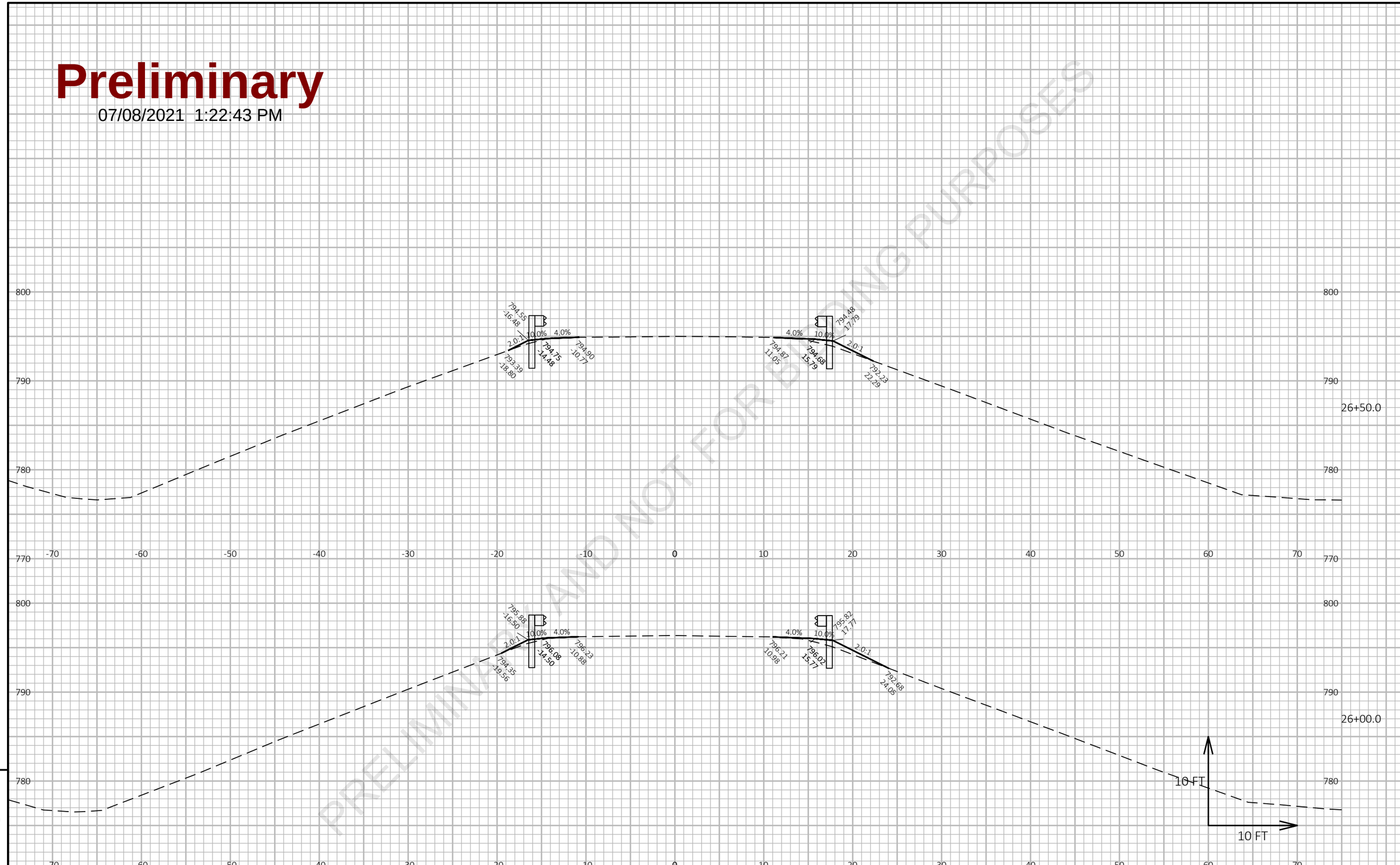

PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 6

PLOT DATE : 3/10/2021 6:38 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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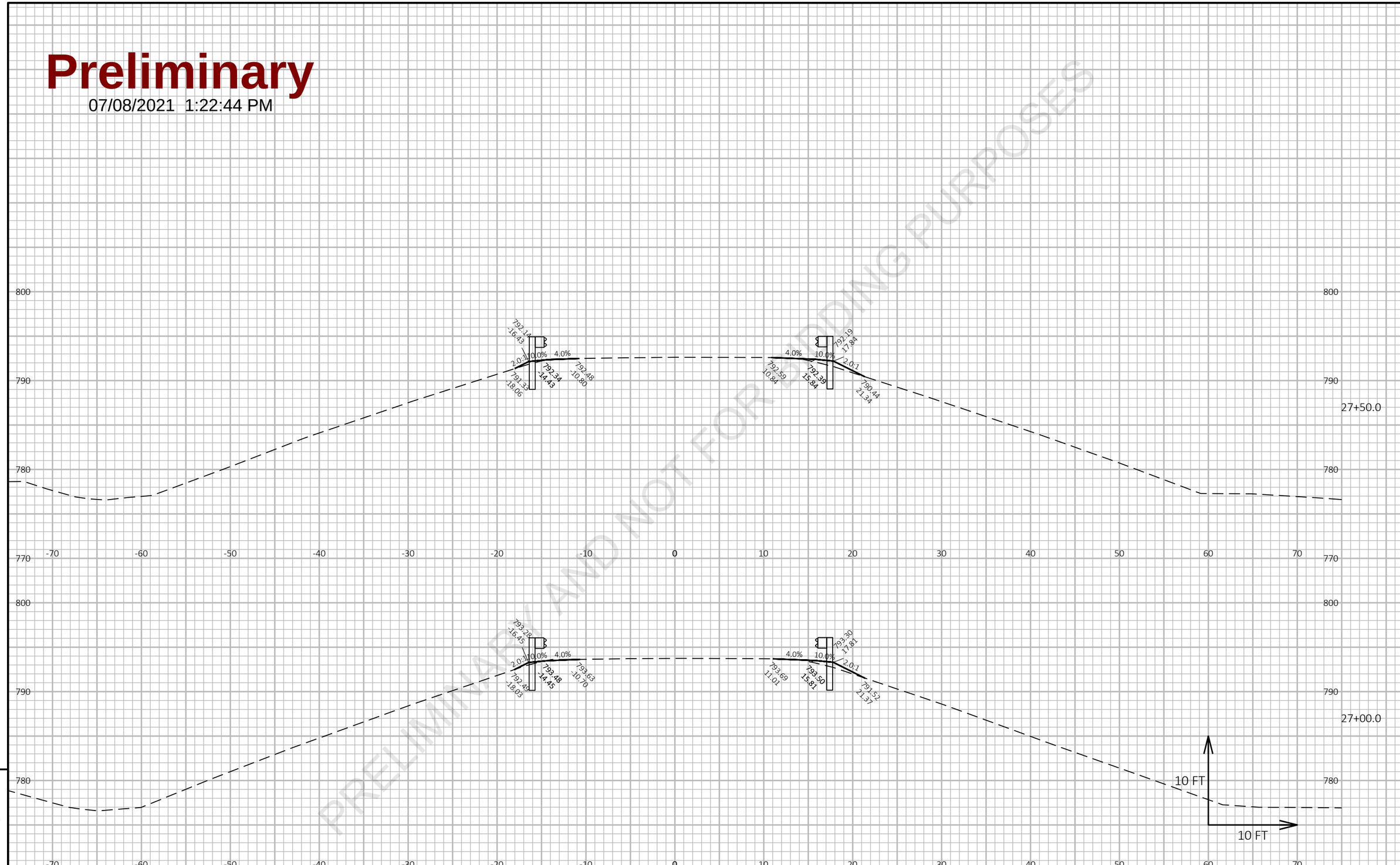

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 7

PLOT DATE : 3/10/2021 6:38 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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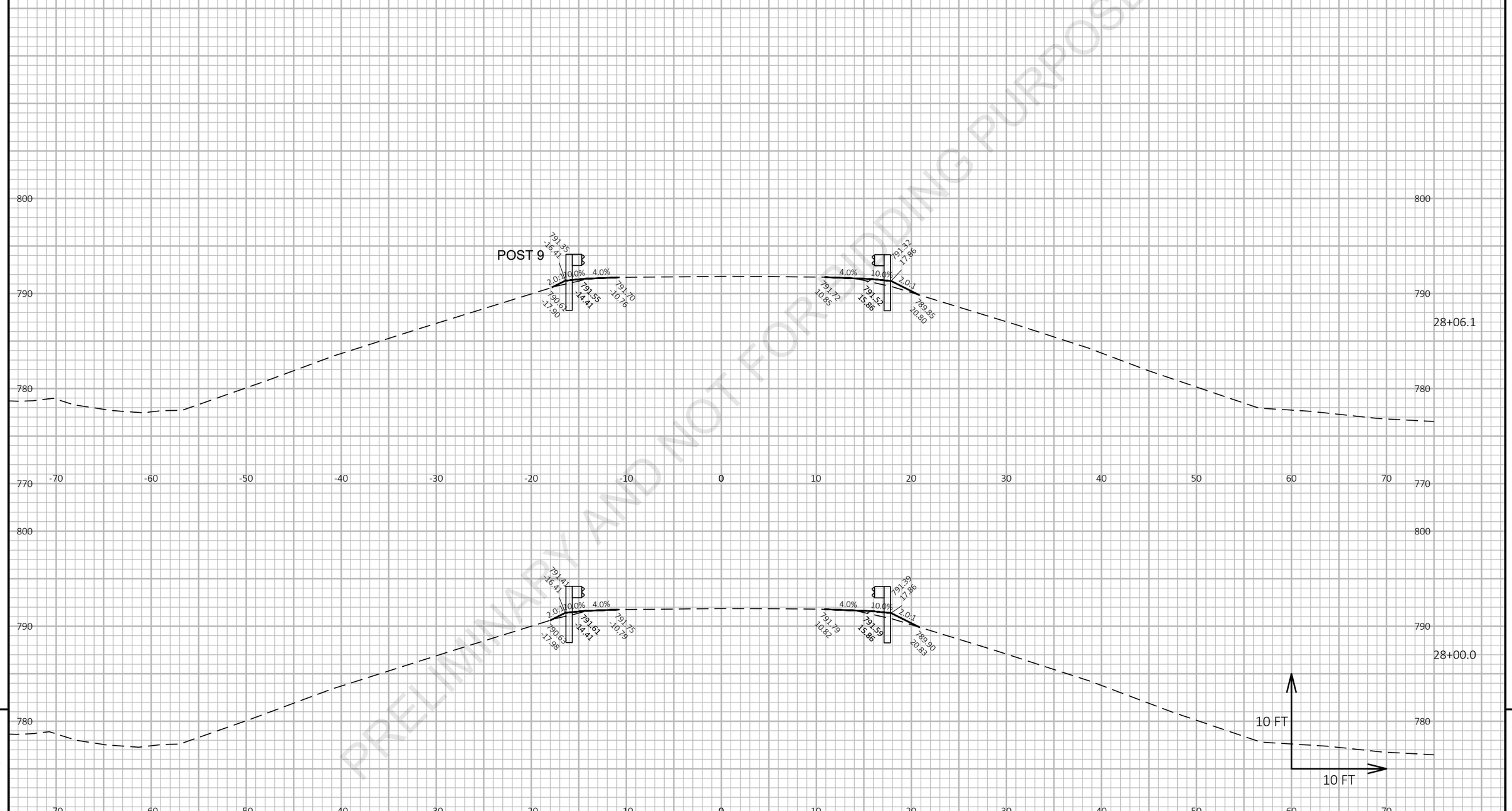

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 8

PLOT DATE : 3/10/2021 6:39 AM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

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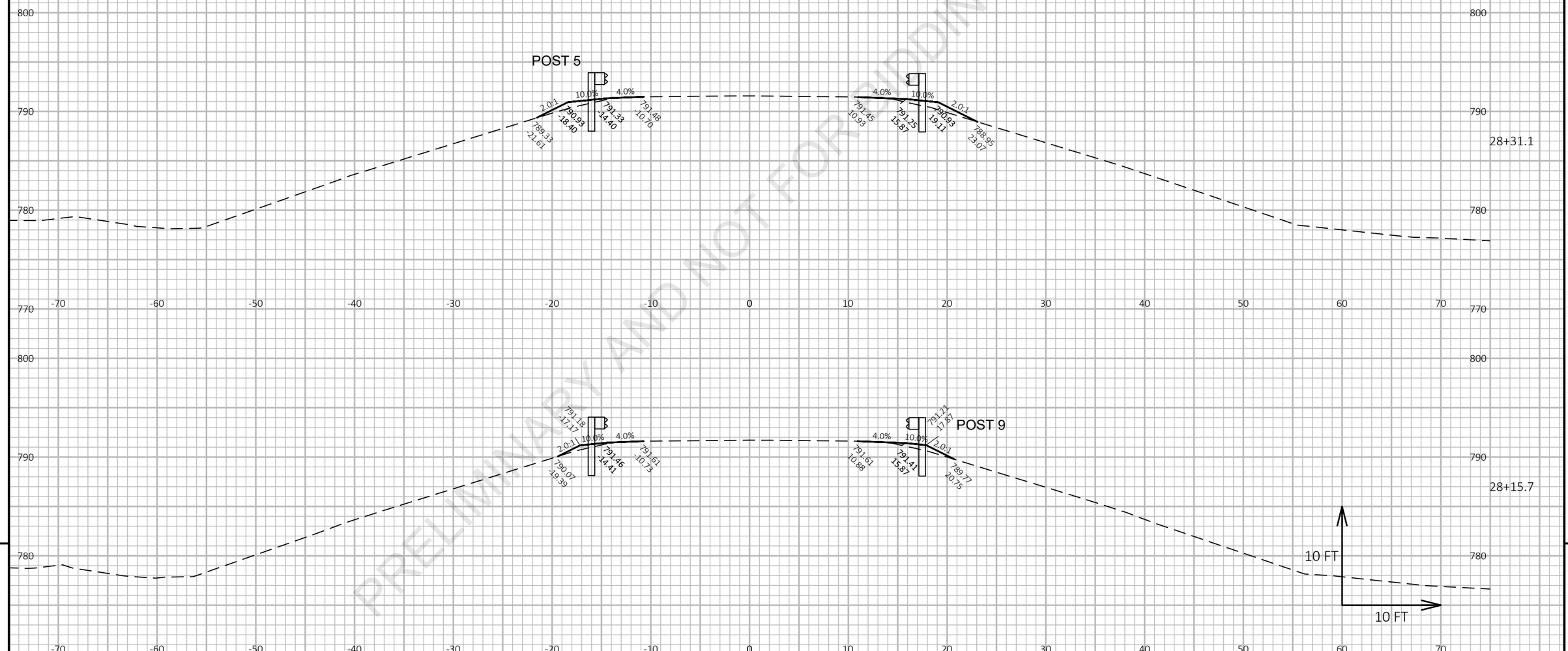

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 9

PLOT DATE : 3/10/2021 6:39 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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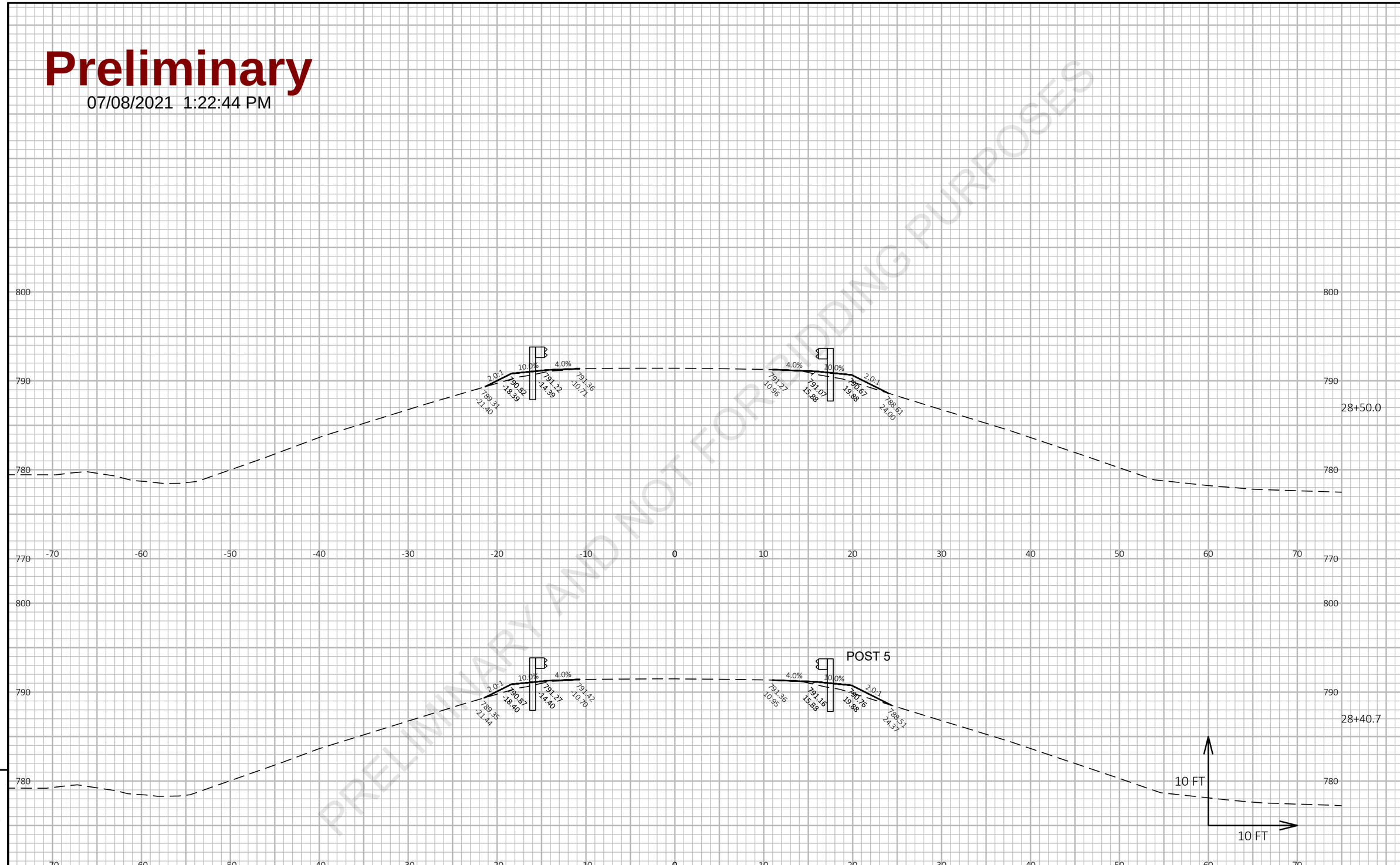

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 10

PLOT DATE : 3/10/2021 6:39 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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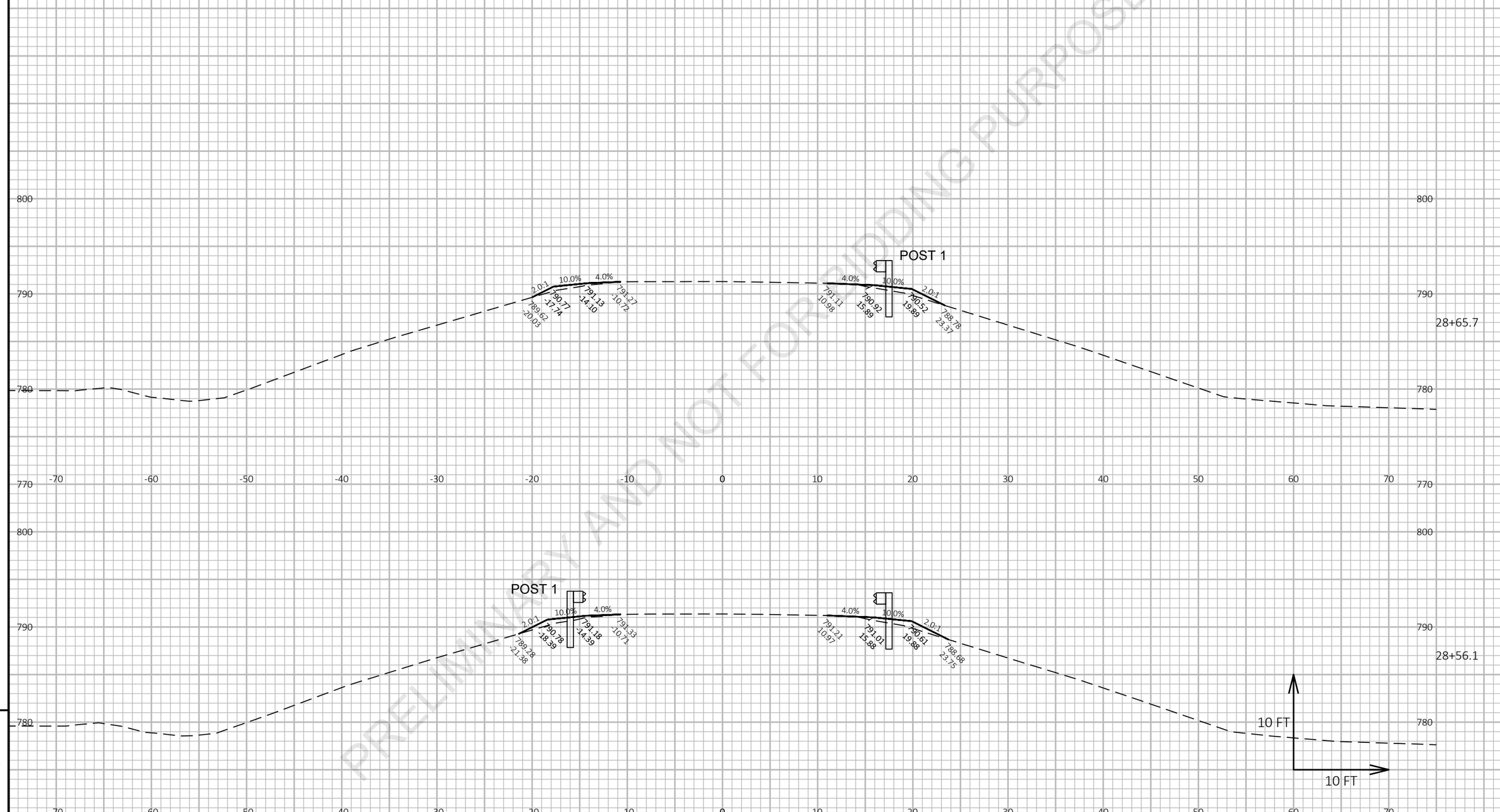

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 11

PLOT DATE : 3/10/2021 6:39 AM

PLOT BY : GARNICA, BRANDON

PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

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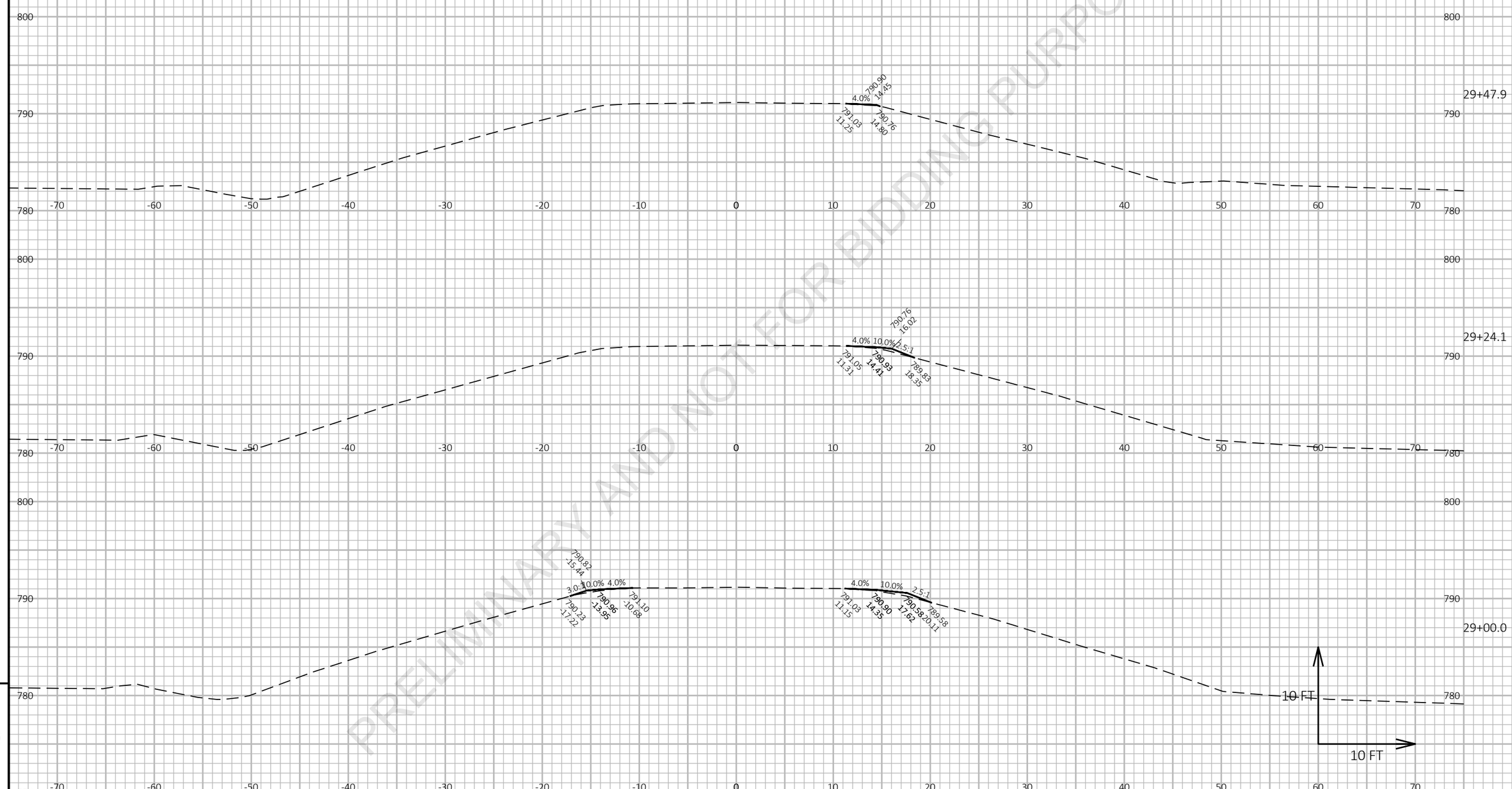

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: FISHERVILLE ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Fisherville EB 12

PLOT DATE : 3/10/2021 6:39 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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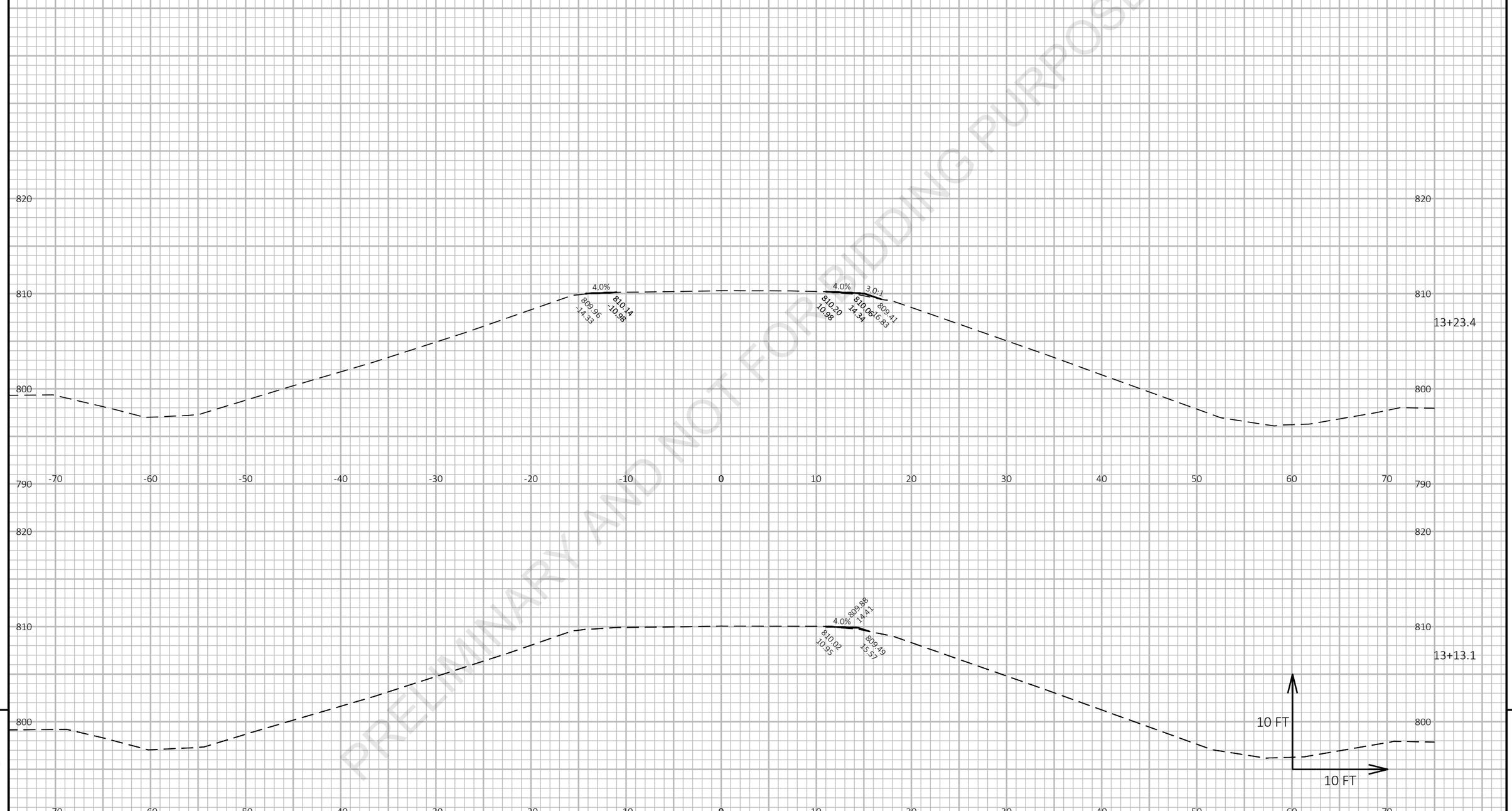

PRELIMINARY AND NOT FOR BIDDING PURPOSES

9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 1

PLOT DATE : 3/10/2021 6:40 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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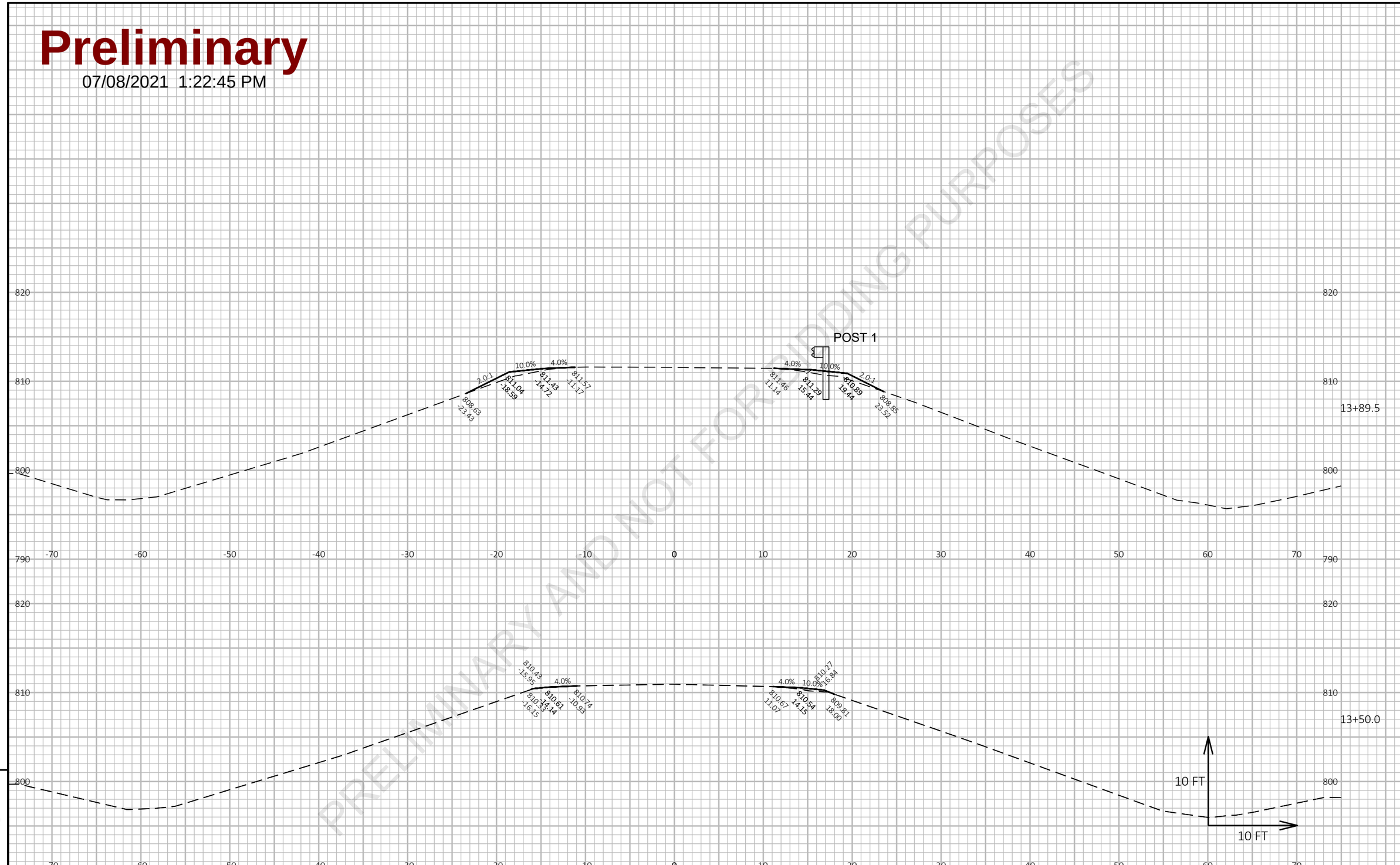

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 2

PLOT DATE : 3/10/2021 6:40 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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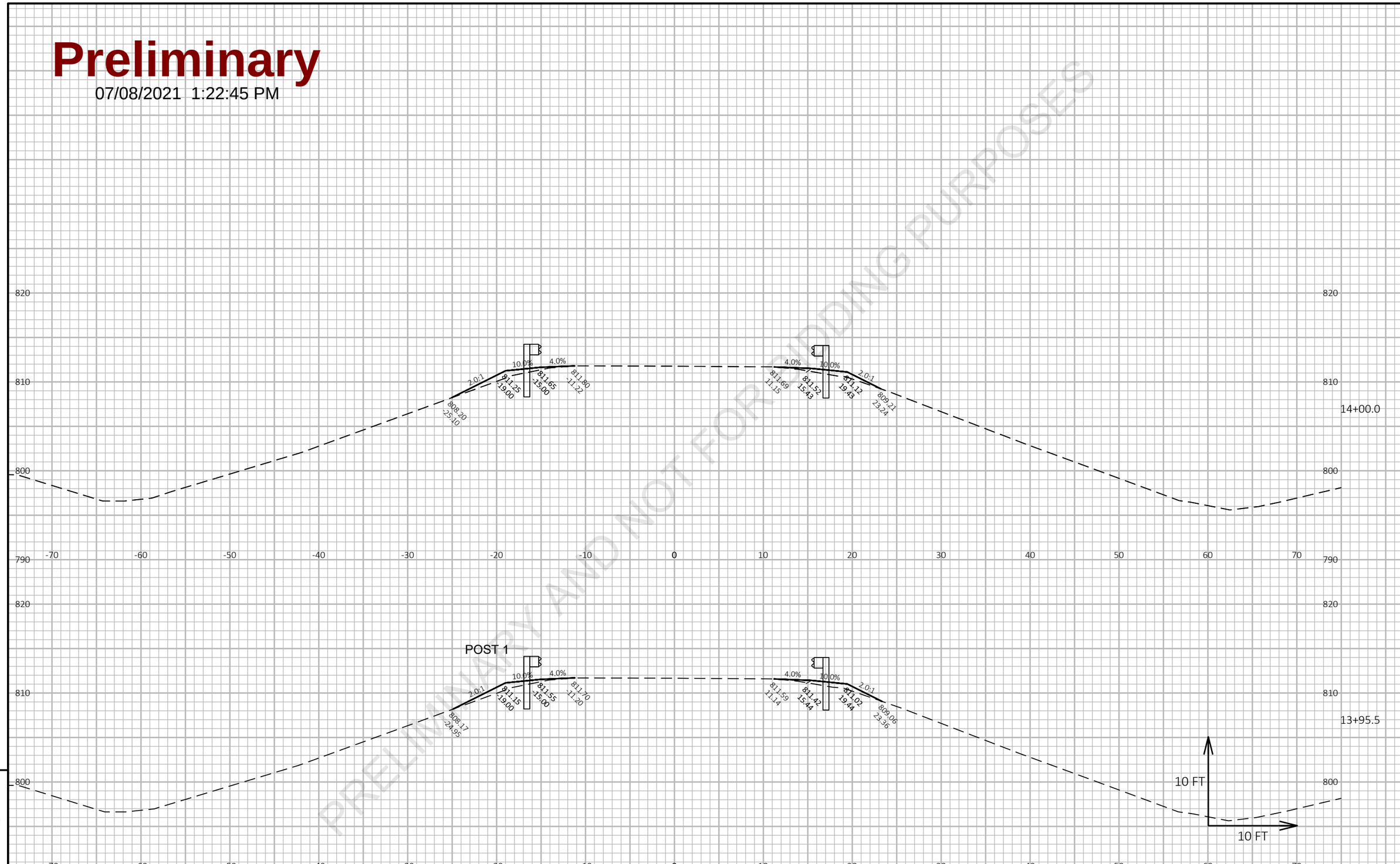

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 3

PLOT DATE : 3/10/2021 6:40 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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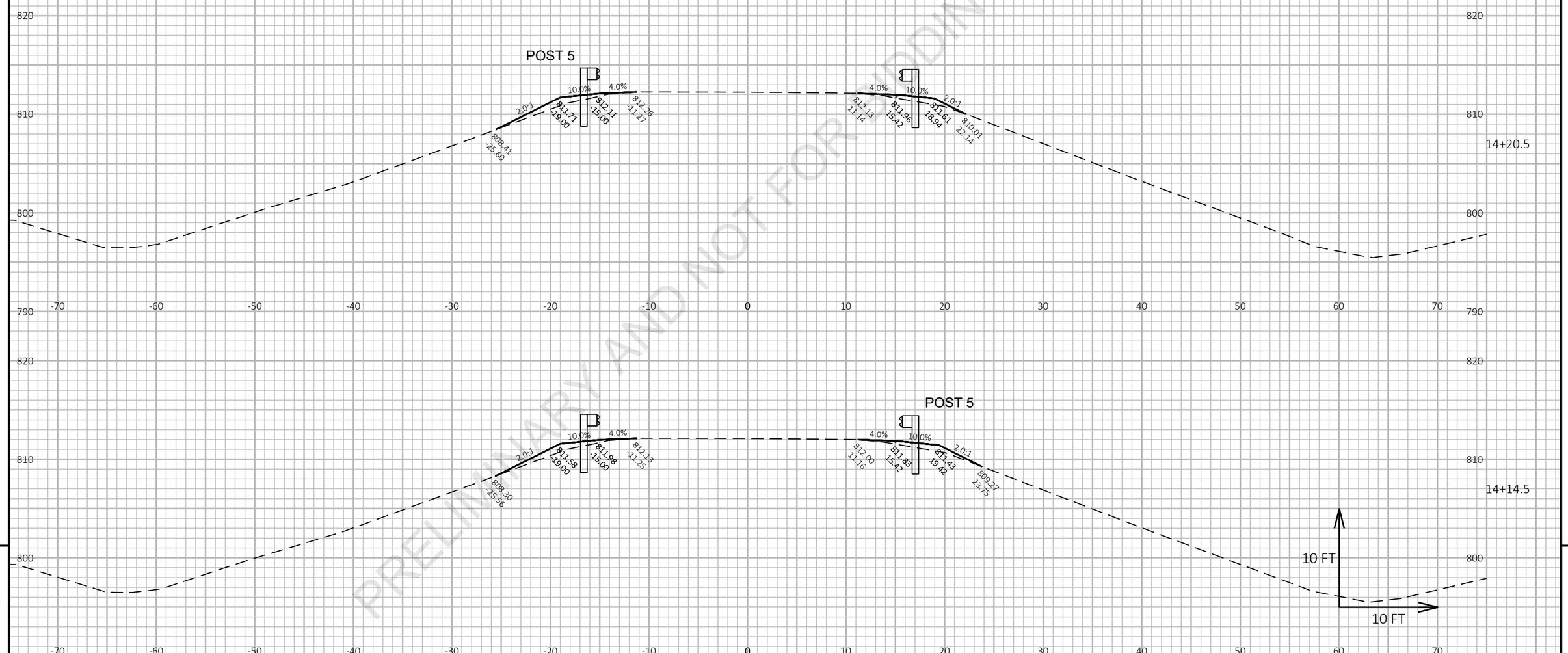

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 4

PLOT DATE : 3/10/2021 6:40 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Preliminary

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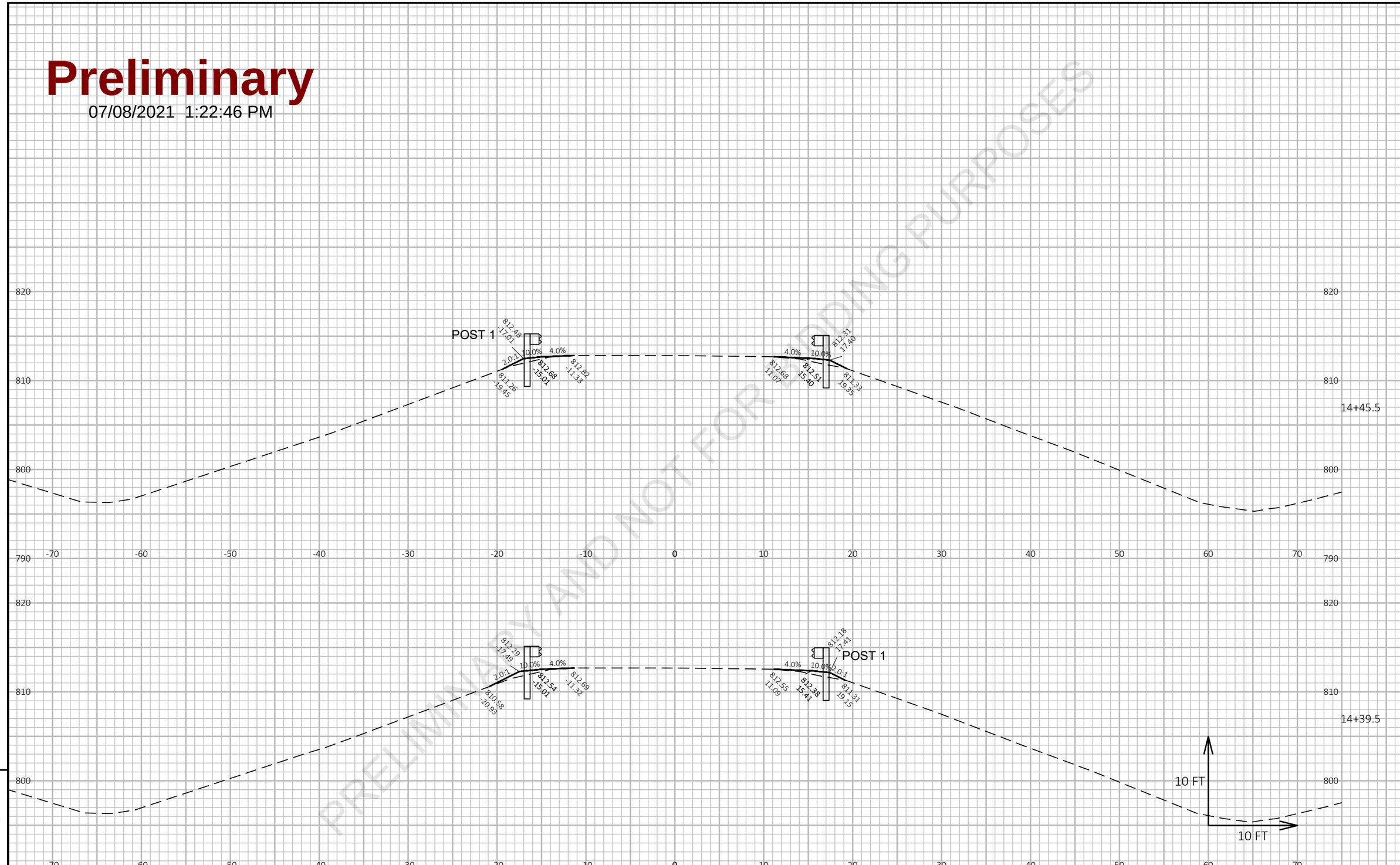

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

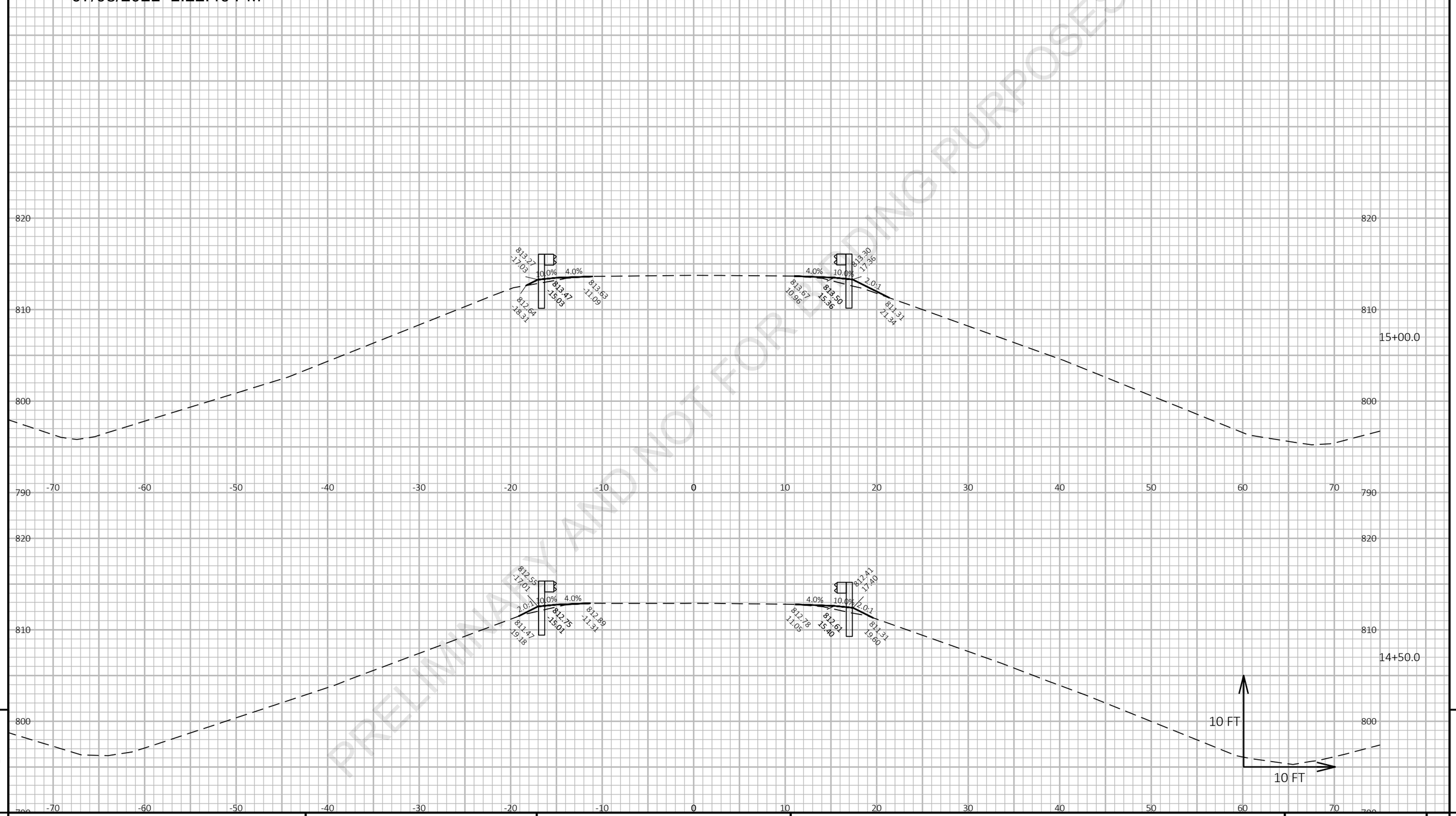
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 5

PLOT DATE : 3/10/2021 6:40 AM 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 1:22:46 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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9

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

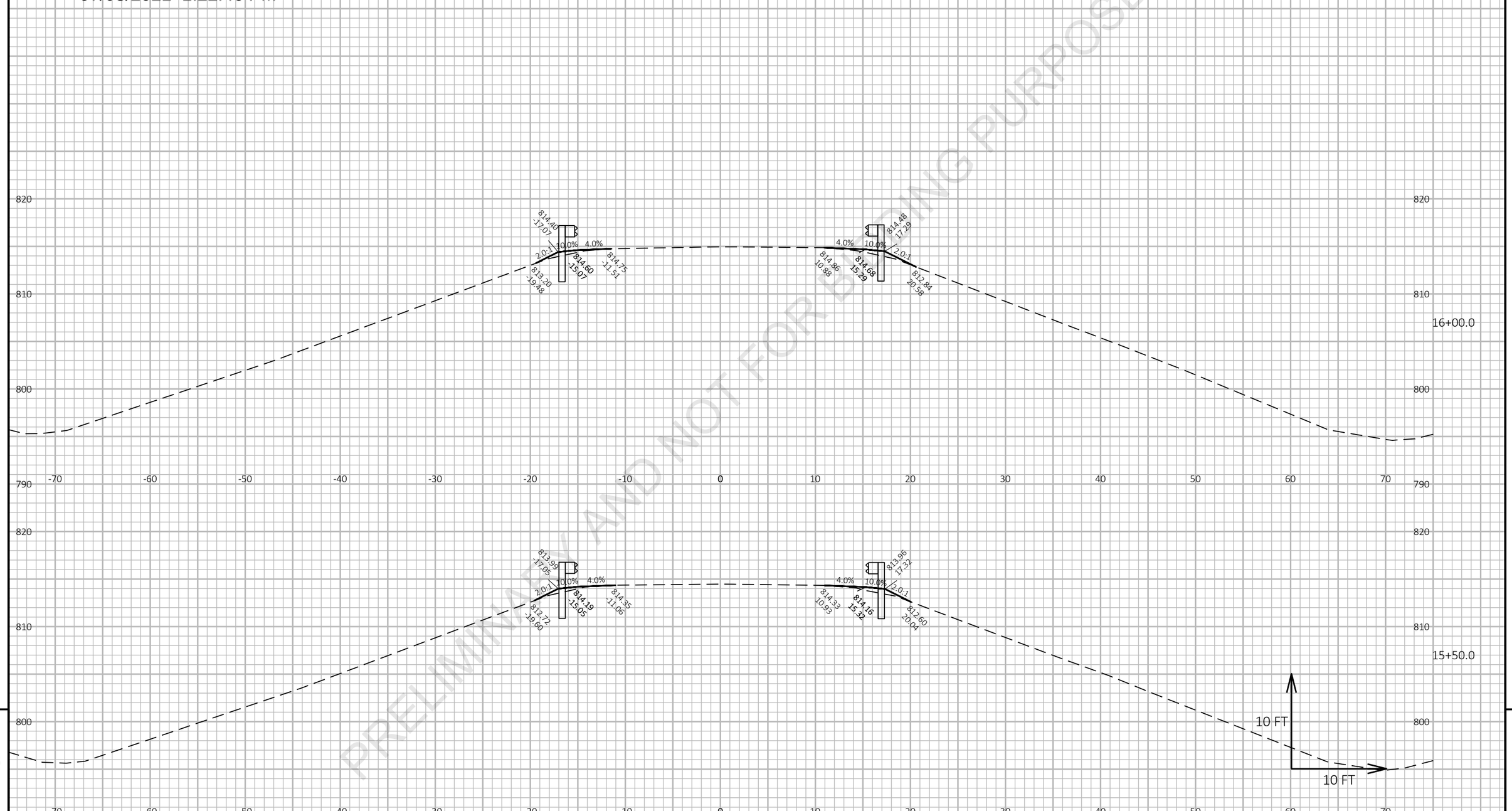
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 6

PLOT DATE : 3/10/2021 6:41 AM 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 1:22:46 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

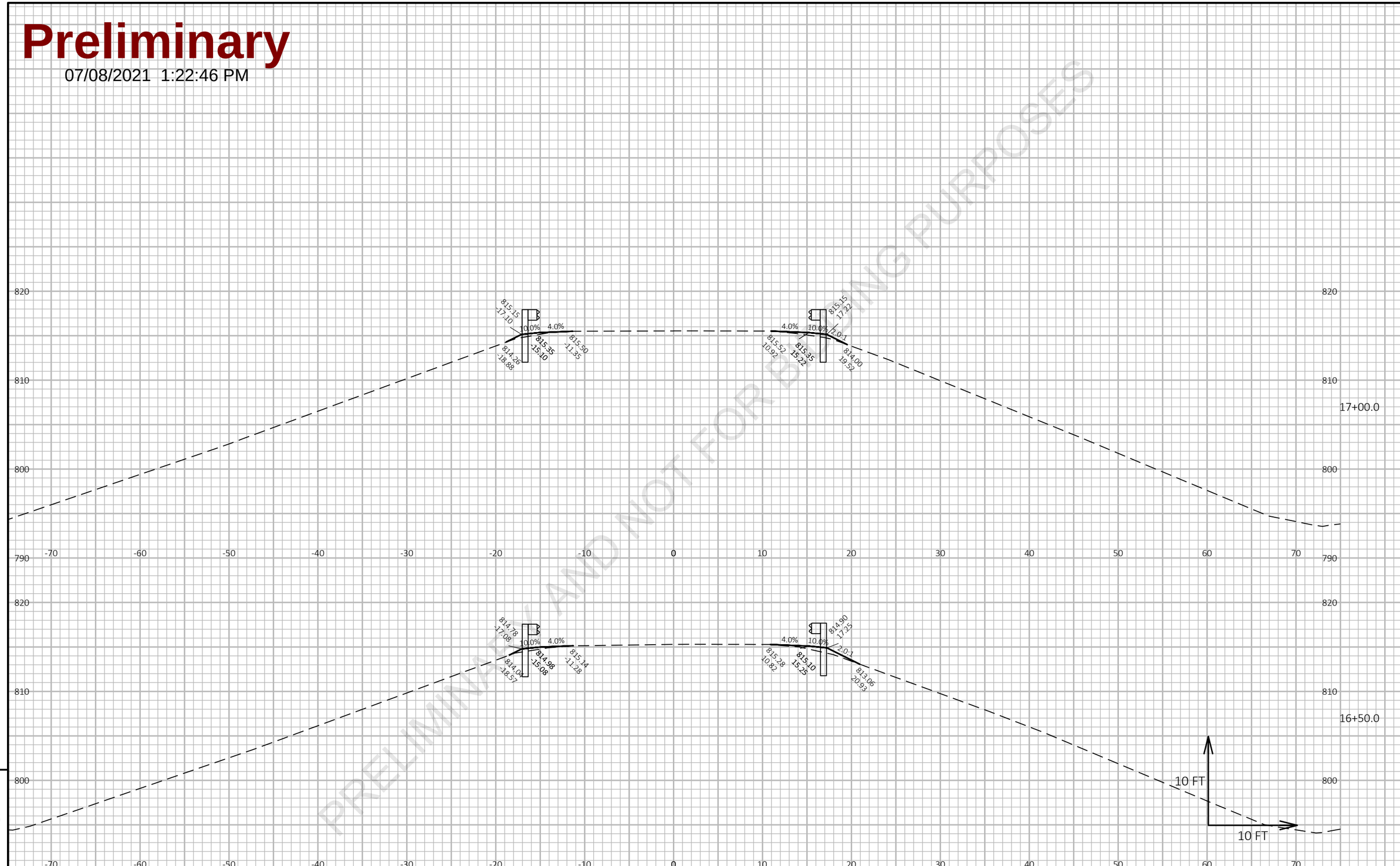
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 7

PLOT DATE : 3/10/2021 6:41 AM 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 1:22:46 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 8

PLOT DATE : 3/10/2021 6:41 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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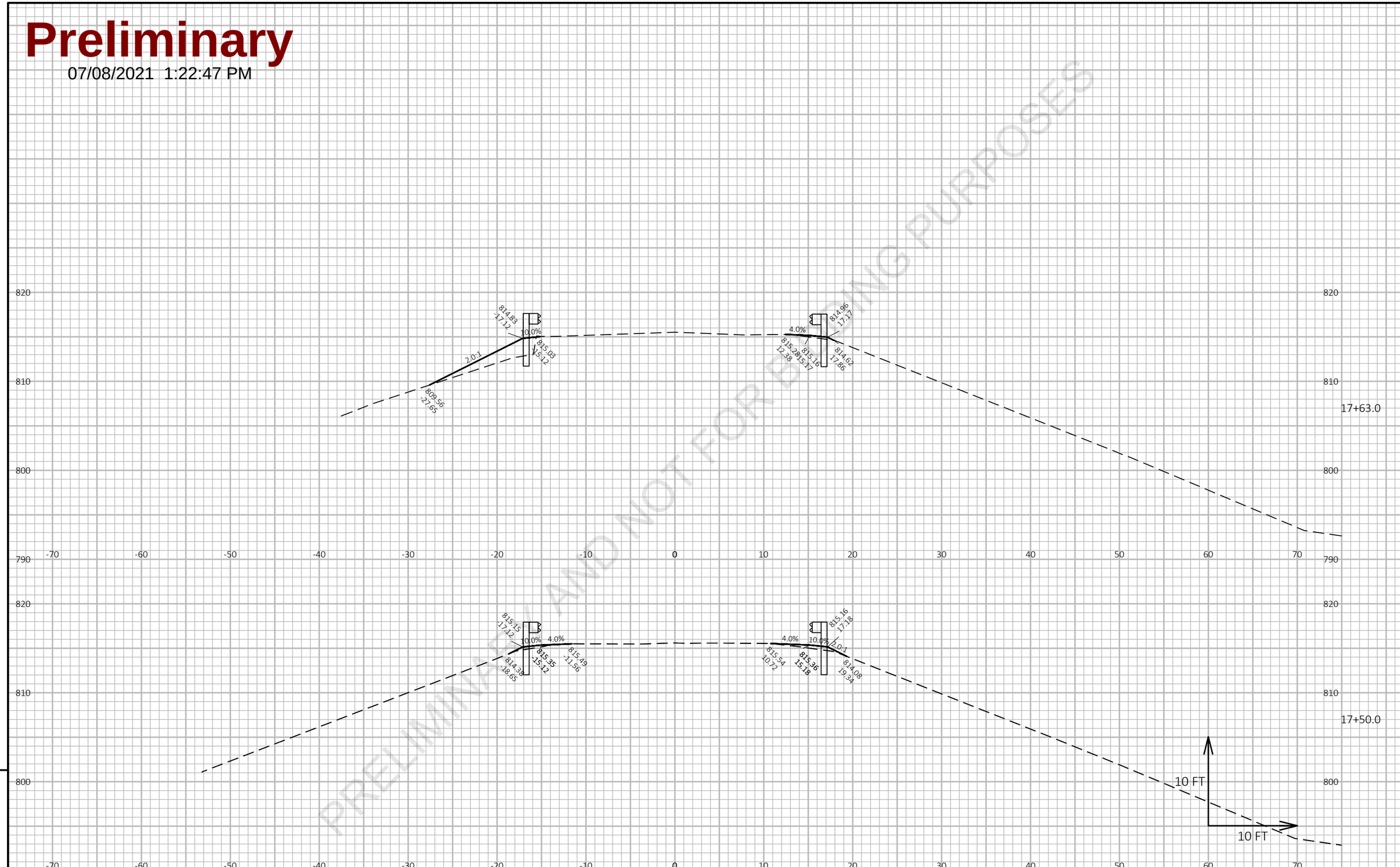


PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 9

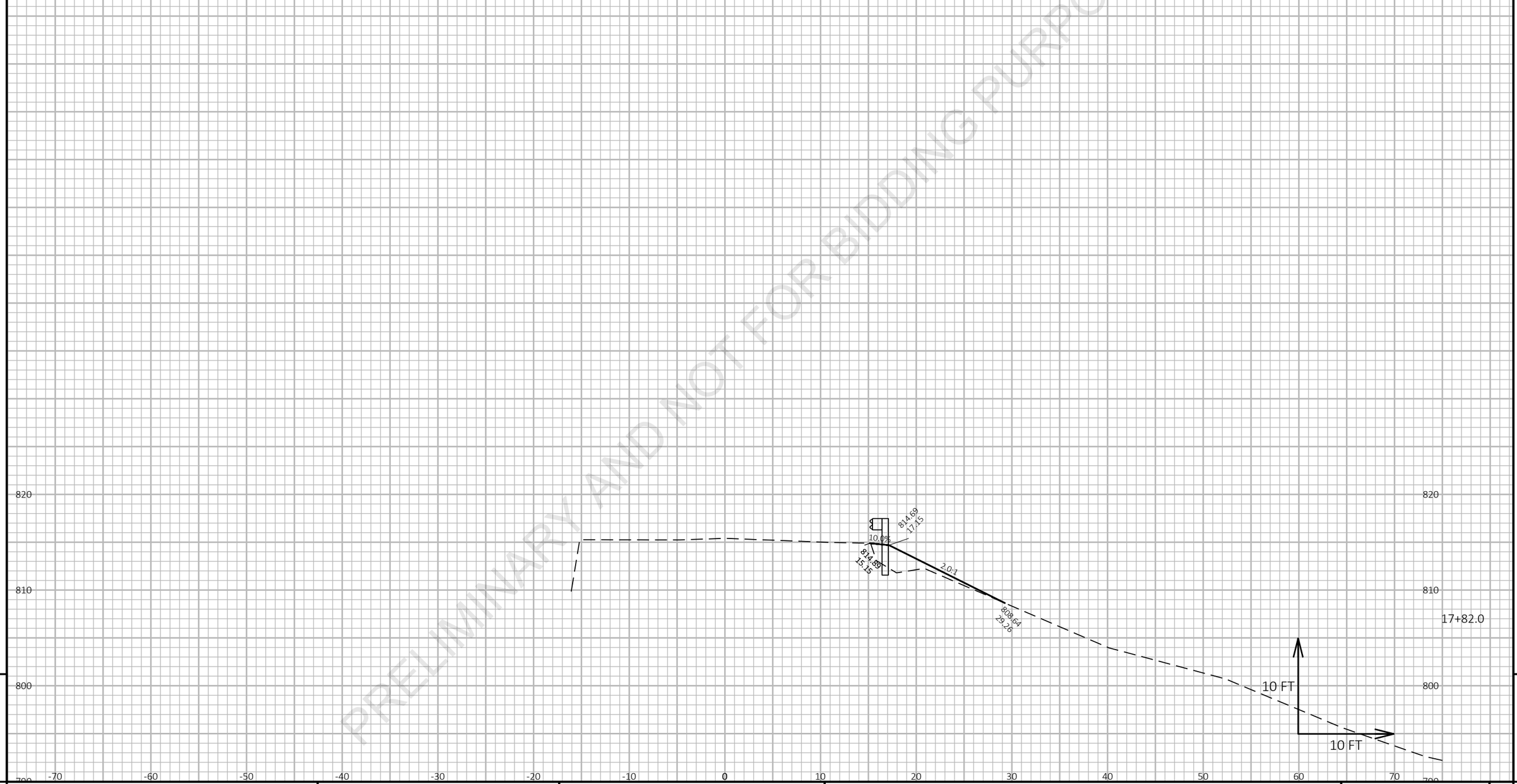
PLOT DATE : 3/10/2021 6:41 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:22:47 PM

PRELIMINARY AND NOT FOR BIDDING PURPOSES



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet WB 10

PLOT DATE : 3/10/2021 6:42 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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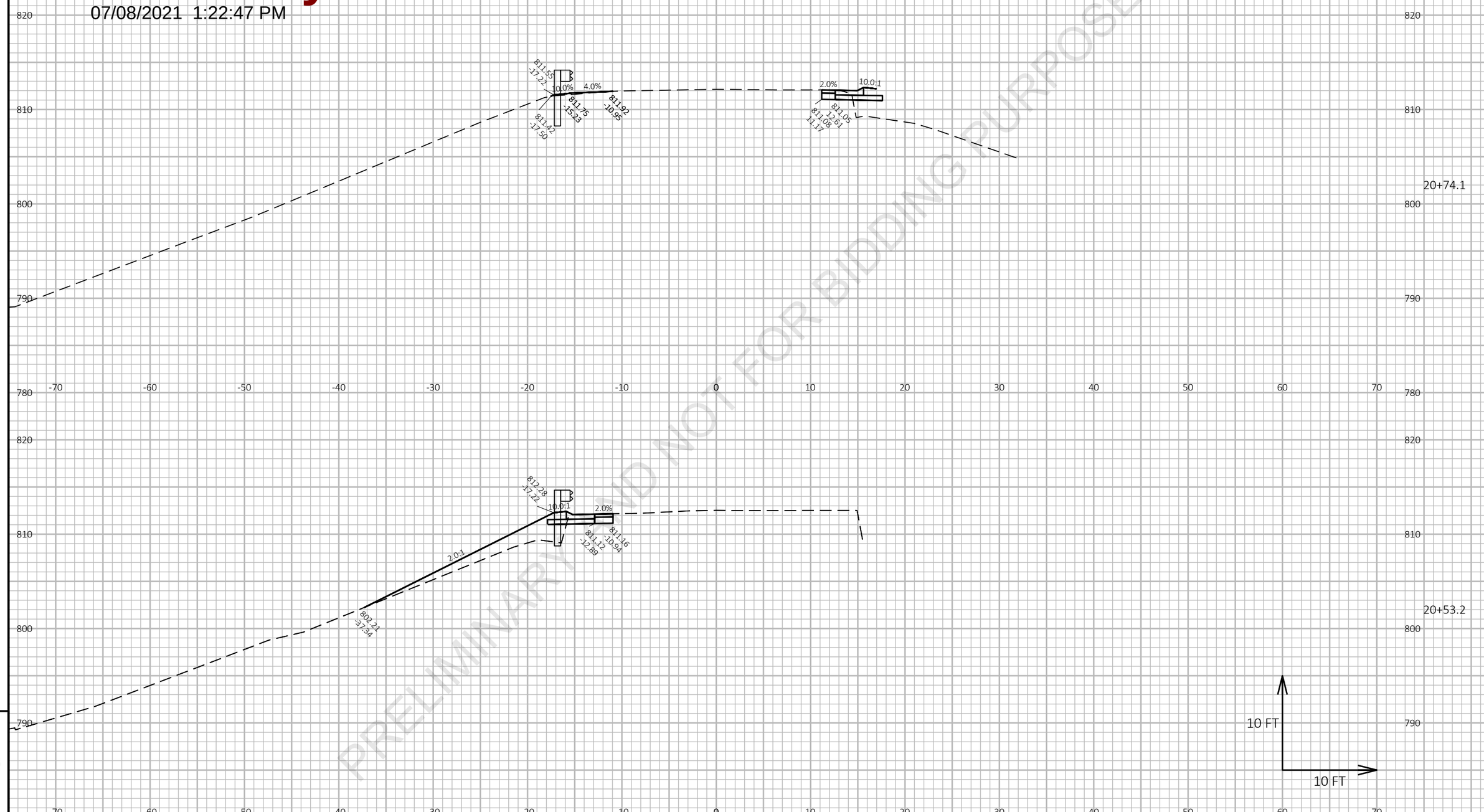

PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

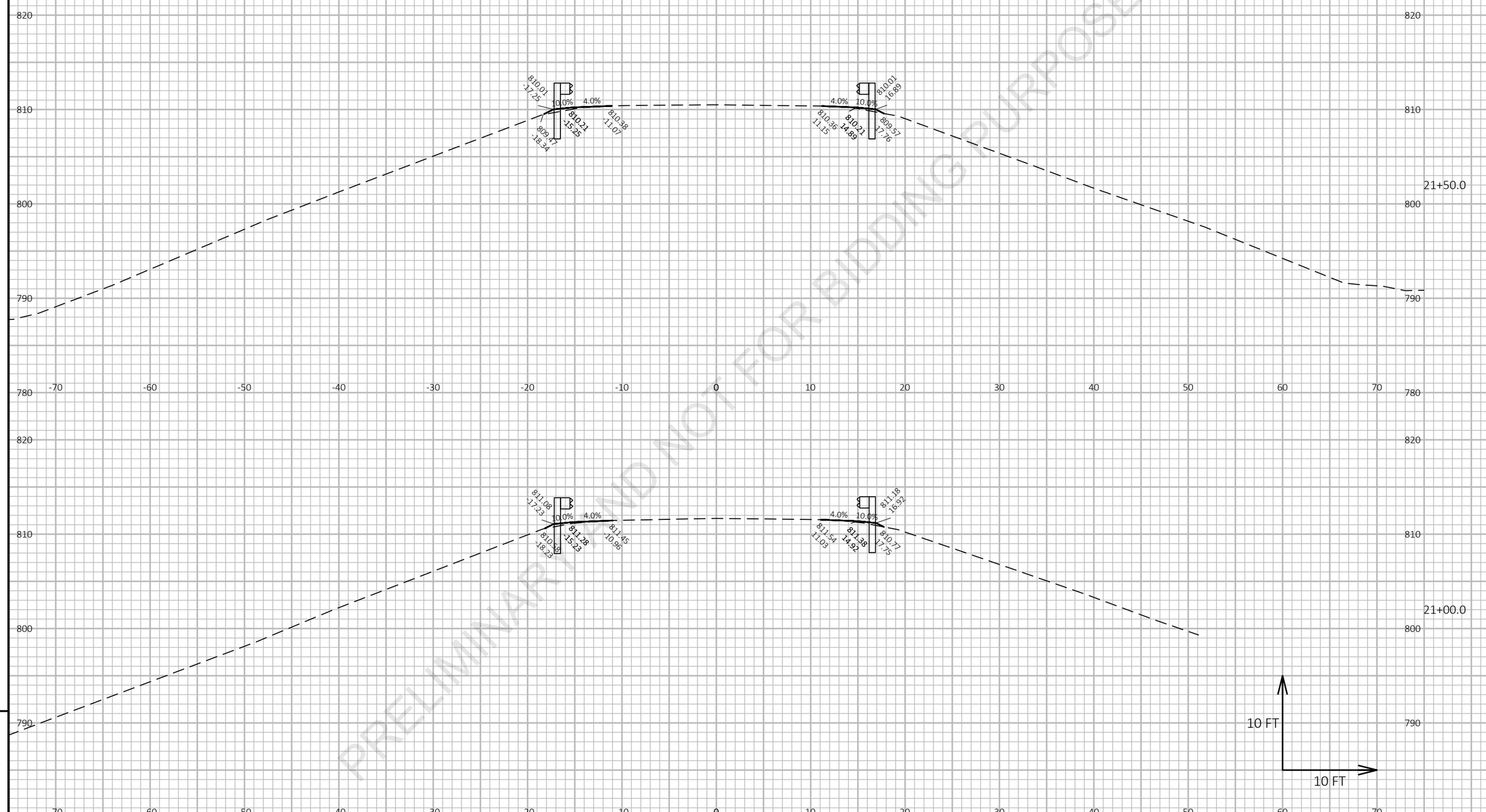
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 1

PLOT DATE : 3/10/2021 6:42 AM 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 1:22:47 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 2

PLOT DATE : 3/10/2021 6:42 AM

PLOT BY : GARNICA, BRANDON

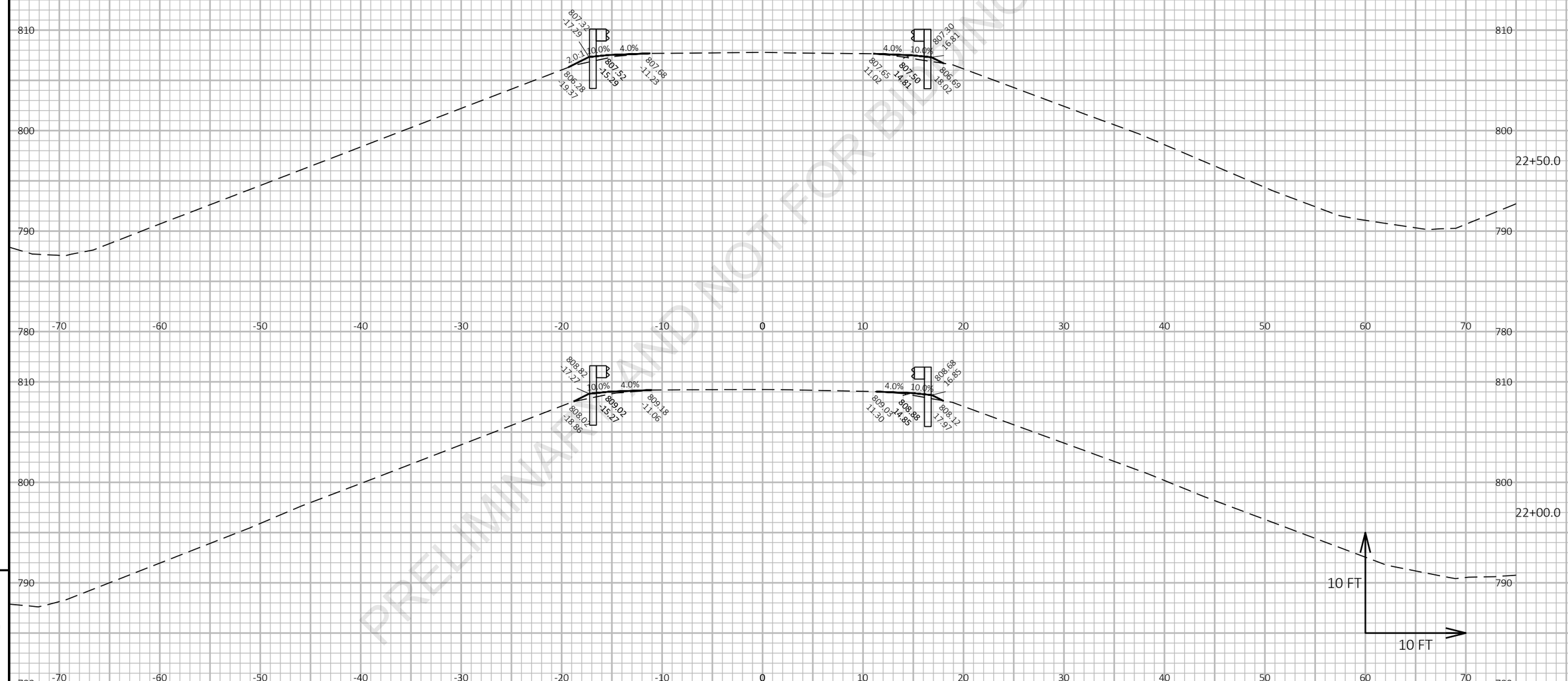
PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:22:47 PM



PRELIMINARY AND NOT FOR BIDDING PURPOSES

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 3

PLOT DATE : 3/10/2021 6:42 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Preliminary

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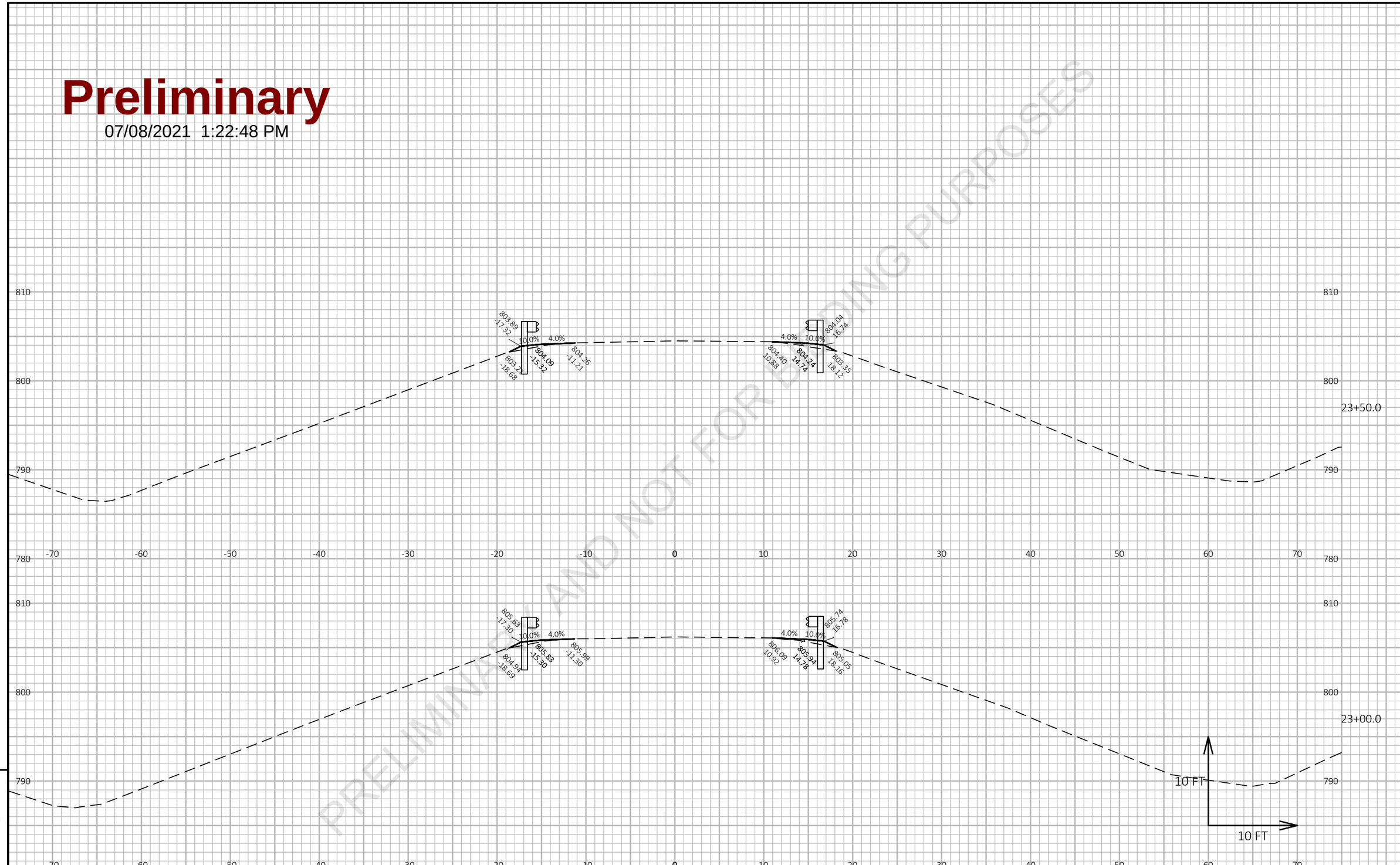

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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 4

PLOT DATE : 3/10/2021 6:42 AM

PLOT BY : GARNICA, BRANDON

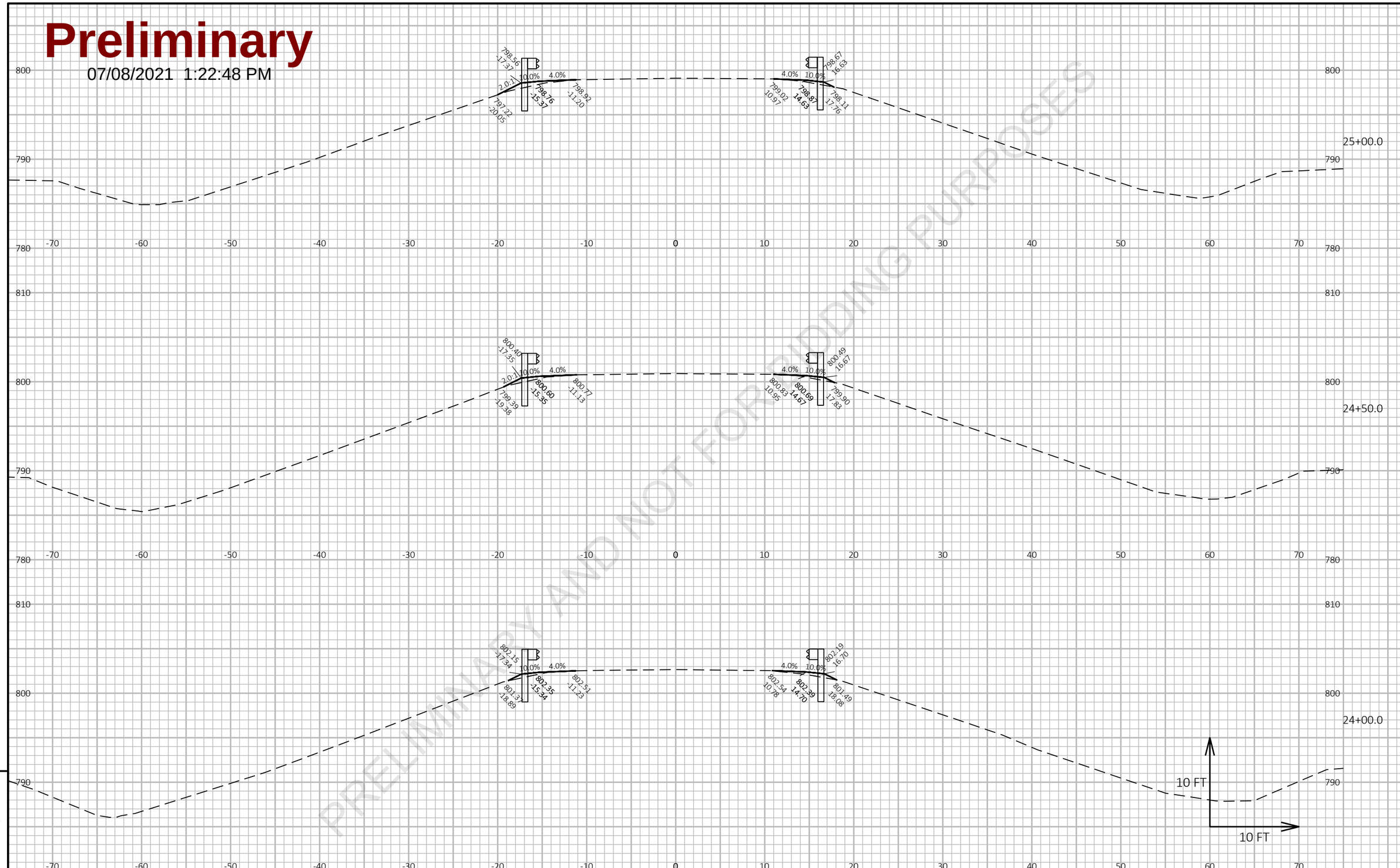
PLOT NAME :

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

WISDOT/CADDS SHEET 49

Preliminary

07/08/2021 1:22:48 PM



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

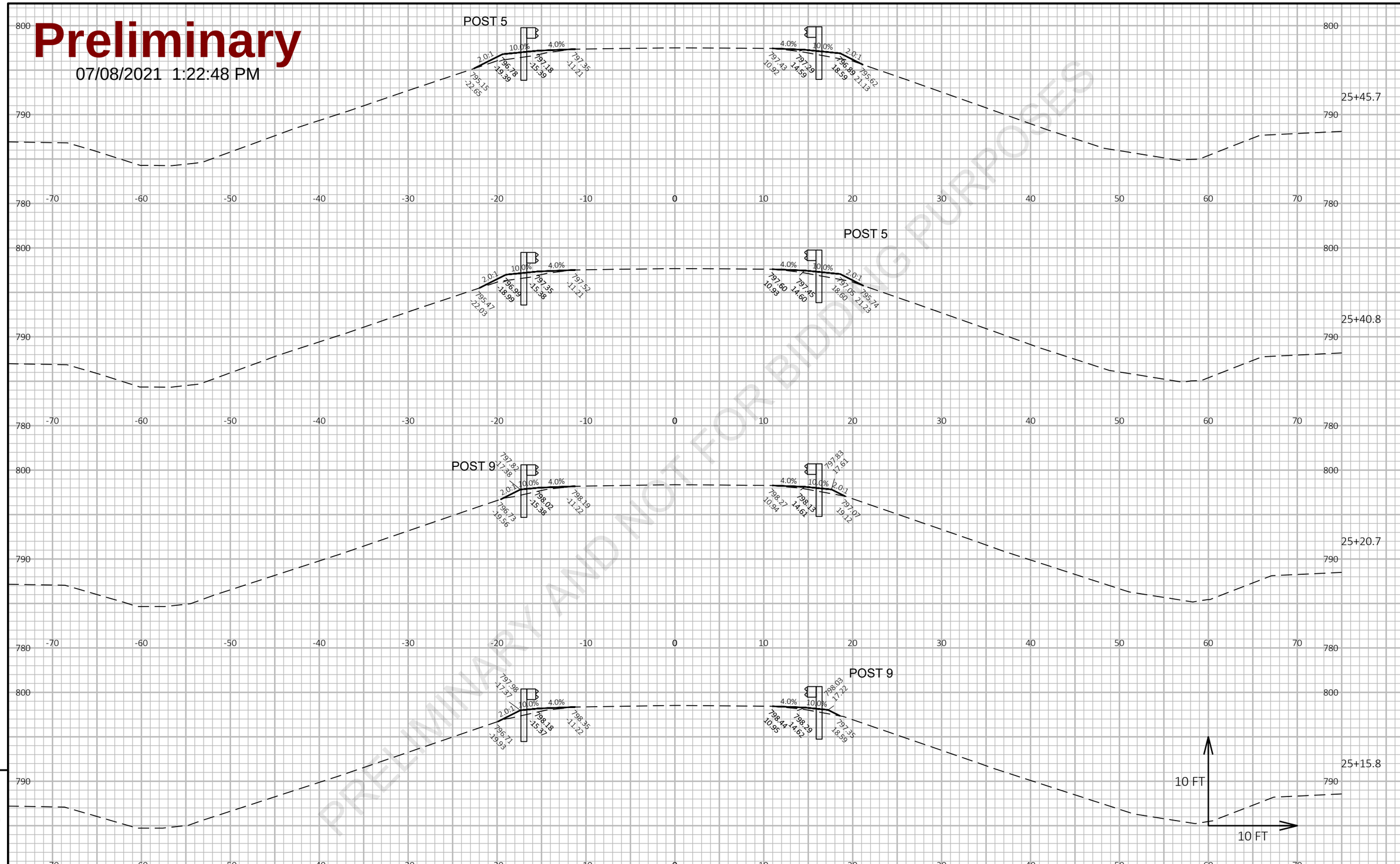
FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 5

PLOT DATE : 3/10/2021 6:43 AM 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 1:22:48 PM



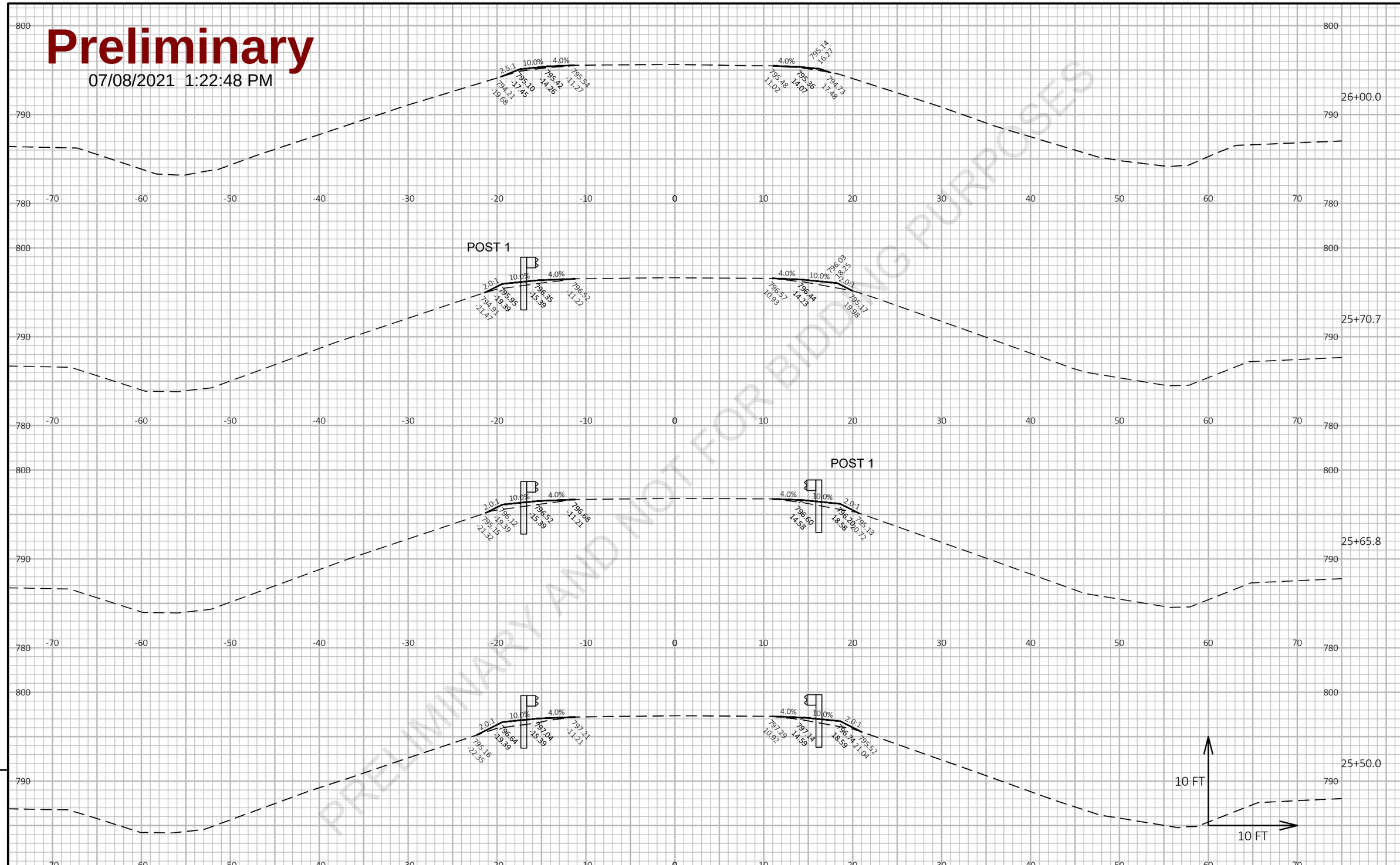
PRELIMINARY AND NOT FOR BIDDING PURPOSES

PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 6

PLOT DATE : 3/10/2021 6:43 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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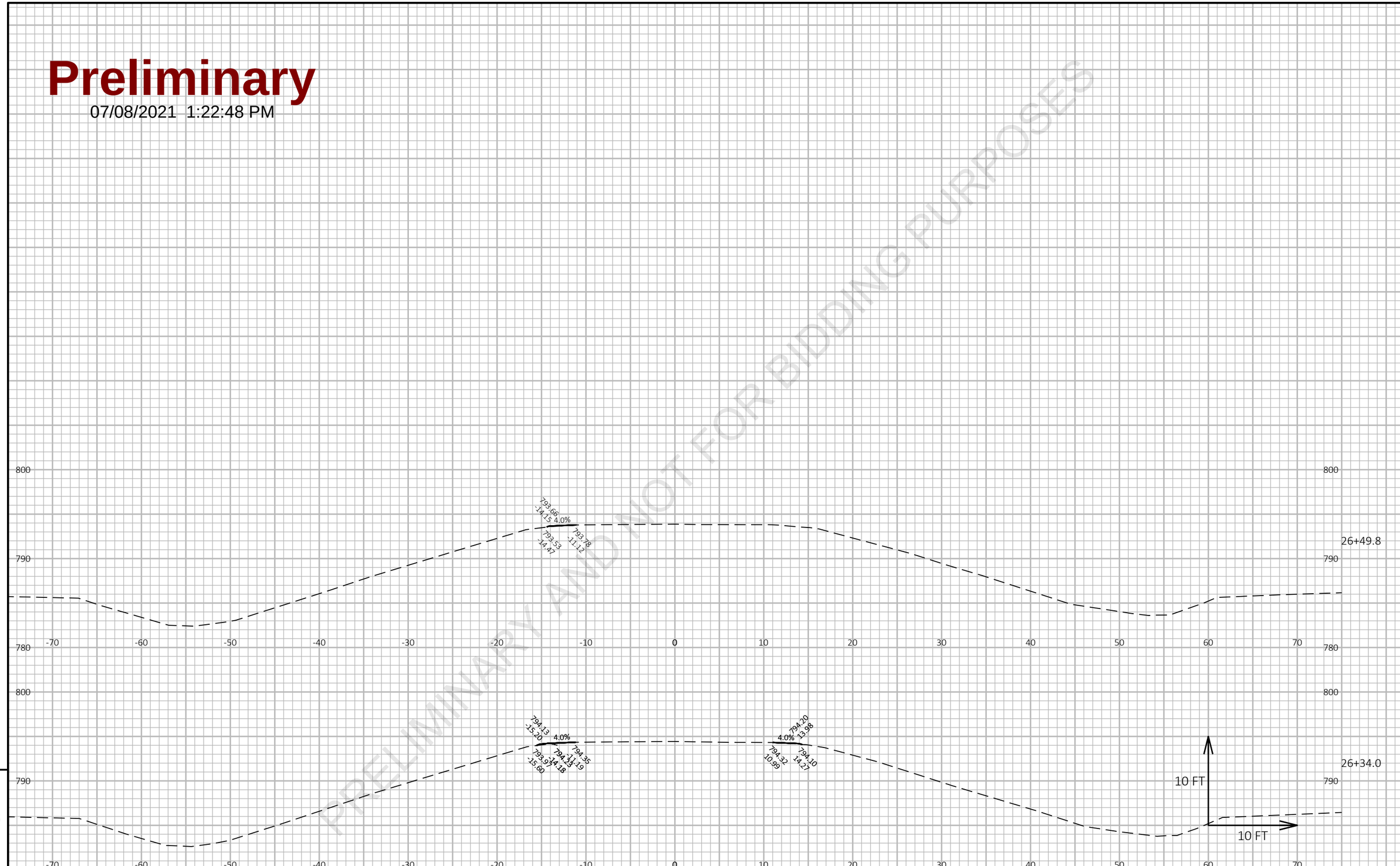
PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 7
PLOT DATE : 3/10/2021 6:43 AM
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 1:22:48 PM



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PROJECT NO: 1227-12-71	HWY: IH 43	COUNTY: MANITOWOC	CROSS SECTIONS: GREENSTREET ROAD	SHEET	E

FILE NAME : I:\45\450504 IH 43 WISDOT GUARDRAIL\C3D\SHEETSPLAN\12271271 PLAN\090202_XS.DWG
LAYOUT NAME - Greenstreet EB 8

PLOT DATE : 3/10/2021 6:43 AM PLOT BY : GARNICA, BRANDON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49