PROJECT ID: **1090-08-71**

WITH:

COUNTY: **WAUKESHA & MILW**

ORDER OF SHEETS

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

TOTAL SHEETS =



N

DESIGN DESIGNATION	IH 43 (MOORLAND RD TO 124TH ST)	IH 43 (124TH ST TO STH 100)	IH 43 (STH 100 TO HALE IC)
A.A.D.T. 2018/2019	= 72,000	= 59,800	= 82,900
A.A.D.T. 2042	= 77,200	= 63,400	= 86,700
D.H.V.	=	=	=
D.D.	= 56/44	= 56/44	= 56/44
T.	= 11.3%	= 11.2%	= 8.4%
DESIGN SPEED	= 70 MPH	= 60 MPH	= 60 MPH
ESALS	=	=	=

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

IH 43 ROCK FREEWAY

MOORLAND RD TO HALE I/C

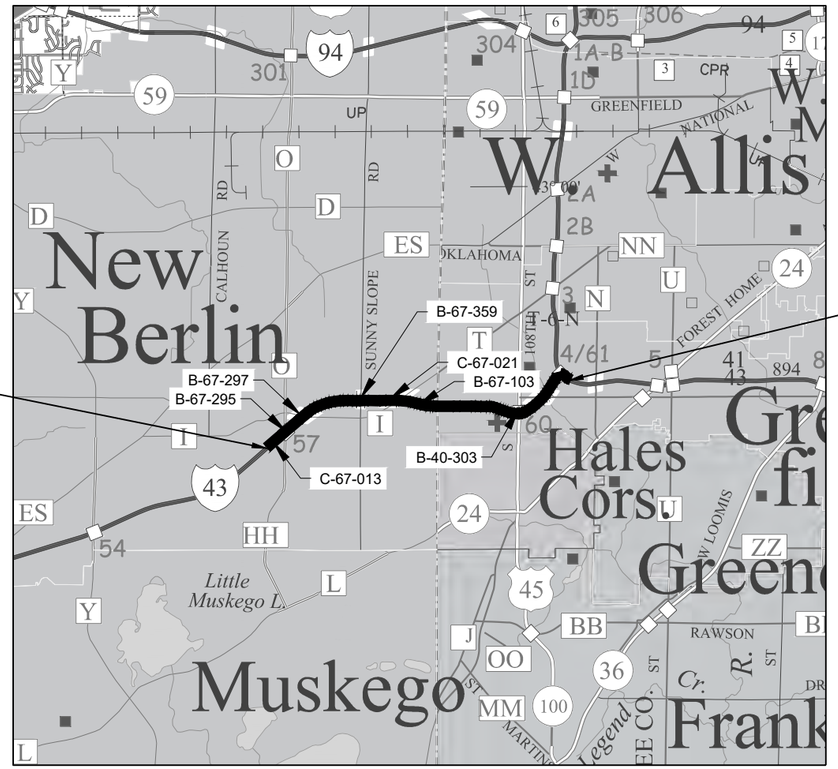
IH 43

WAUKESHA & MILWAUKEE COUNTY

STATE PROJECT NUMBER
1090-08-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1090-08-71		

"APPROVED FOR DESIGN OF UTILITY ADJUSTMENT"
DECEMBER 1, 2020



LAYOUT SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 3.452 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, WAUKESHA COUNTY, NAD83 (2007), 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 (2007). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	
Designer	WISDOT
Project Manager	EVAN LIMBERATOS, P.E.
Regional Examiner	
Regional Supervisor	WAFA ELKAQ, P.E.

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

DRAFT

PRE_1

E

UTILITY CONTACTS

AT&T WISCONSIN - COMMUNICATION LINE
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WAUKESHA, WI 53188-2443
PHONE: (262)896-7427
tc1657@att.com

AT&T WISCONSIN - COMMUNICATION LINE
MATTHEW DINNAUER
2005 PEWAUKEE RD
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mb9542@att.com

ATC MANAGEMENT, INC. - ELECTRICTY-TRANSMISSION
TRANS 220 MAILBOX
801 O'KEEFE ROAD
DE PERE, WI 54115
PHONE: (920)338-6582
dl-ATCDOTNotifications@atcllc.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE
BEAU ABUYA
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
PHONE: (414)908-1343
wis.engineering@charter.com

TDS METROCOM LLC - COMMUNICATION LINE
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MADISON, WI 53717
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michael.sweet@tdsttelecom.com

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7325 W FOREST HOME AVE
GREEN FIELD, WI 53220
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jeffk@greenfieldwi.us

CITY OF NEW BERLIN - ROAD FACILITY
TAMARA SIMONSON
3805 S CASPER DRIVE
NEW BERLIN, WI 53151
PHONE: (262)797-2445
tsimonson@newberlin.org

CITY OF NEW BERLIN - SEWER
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3805 S CASPER DRIVE
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PHONE: (262)786-7086
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CITY OF NEW BERLIN - WATER
JIM HART
3805 S CASPER DRIVE
NEW BERLIN, WI 53151
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jhart@newberlin.org

LEVEL 3 COMMUNICATIONS LLC - COMMUNICATION LINE
NETWORK RELOCATIONS
1025 ELDORADO BLVD
BROOMFIELD, CO 80021
PHONE: N/A
nationalrelo@centurylink.com

MILWAUKEE COUNTY DEPARTMENT OF PUBLIC WORKS - ROAD FACILITY
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10320 WATERTOWN PLANK RD
WAUWATOSA, WI 53226
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daniel.murphy@milwaukeecountywi.gov

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MICKI KLAPPA - SULLIVAN
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MILWAUKEE, WI 53204
PHONE: (414)225-2178
mklappasullivan@mmsd.com

WISCONSIN DEPARTMENR OF TRANSPORTATION - STREET LIGHTING
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eric.perea@dot.wi.gov

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derrin.wolford@dot.wi.gov

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7325 W FOREST HOME AVE
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WEST SHORE PIPE LINE COMPANY -GAS/PETROLEUM
DAVID JONES
FIVE TEK PARK, 9999 HAMILTON BLVD
BREINIGSVILLE, PA 18031
PHONE: (610)904-4409
dajones@buckeye.com

WE-ENERGIES ELECTRIC
500 S.116TH ST.
WEST ALLIS, WI 53214
PHONE: (800)662-4797
We-Utility-relocations@we-energies.com

WE-ENERGIES GAS
500 S.116TH ST.
WEST ALLIS, WI 53214
PHONE: (800)261-5325
We-Utility-relocations@we-energies.com

MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS)
1942 N 17TH ST
MILWAUKEE, WI 53205

MELANIE FLYNN
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PHONE: (414)343-1764
mflynn@mcts.org

ANDY TILLMAN
TRANSIT PLANNER (STOPS/SHELTERS)
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DAVID LOCHER
TRANSPORTATION SPECIALIST (DETOUR/SPECIAL EVENTS)
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dlocher@mcts.org

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

AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
FE	FIELD ENTRANCE
FL	FLOW LINE
HFST	HIGH FRICTION SURFACE TREATMENT
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LP	LOW POINT
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PGL	PROFILE GRADE LINE
PLE	PERMANENT LIMITED EASEMENT
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN REQUIRED
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

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

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS:

	PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS	USE
A	4 SMA 58-28 V 3 HT 58-28 H	4"	1 3/4" UPPER LAYER 2 1/4" LOWER LAYER	MILL & OVERLAY (MAINLINE)
B	4 HT 58-28 H 3 HT 58-28 H	4"	1 3/4" UPPER LAYER 2 1/4" LOWER LAYER	MILL & OVERLAY (3 1/2" HMA SHOULDERS OR GREATER)
C	4 HT 58-28 H	2 1/4"	-	MILL & OVERLAY (1 3/4" HMA SHOULDERS)
D	4 SMA 58-28 V 4 HT 58-28 H	3 1/2"	1 3/4" UPPER LAYER 1 3/4" LOWER LAYER	MILL & OVERLAY (HALE INTERCHANGE RAMPS)
E	4 HT 58-28 H	2"	-	MILL & OVERLAY (HMA SHOULDERS NEXT TO CONCRETE PAVEMENT)

MATERIAL UNIT WEIGHT USED IN WISPAVE:

MATERIAL	UNIT WEIGHT
HMA PAVEMENT	112 LB/SY/INCH

CONTACT THE PROJECT ENGINEER, THE COUNTY SURVEYOR, AND SEWRPC AT LEAST TWO WEEKS BEFORE WORKING NEAR ANY SECTION CORNER MONUMENT

PRIOR TO THE REPLACEMENT OF MGS GUARDRAIL, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED UNLESS SHOWN OTHERWISE.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
EROSION CONTROL
STORM SEWER
PAVEMENT MARKING
STAGING/TRAFFIC CONTROL
ALIGNMENT LAYOUT

STATE AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION

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2300 N DR MARTIN LUTHER KING DRIVE
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kristina.betzold@wisconsin.gov

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CRAIG WEBSTER (WAUKESHA COUNTY)
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2

N

WAUKESHA COUNTY
MILWAUKEE COUNTY

CITY OF NEW BERLIN

CTH O (MOORLAND RD)

SUNNY SLOPE RD

124TH ST

116TH ST

STH 100 (108TH ST)

CITY OF GREENFIELD

LAYTON AVE

IH 43

B-67-359
THIN POLYMER OVERLAY (TPO)

C-67-021
NW WING WALL REPAIR/REPLACEMENT

END CONSTRUCTION

B-40-303
APPROACH WORK

END MILL & OVERLAY
(WEST-TO-NORTH RAMP)
STA 118NB+79

END MILL & OVERLAY
(IH 43 SB)
STA 119SB+07

END PROJECT
STA 210NB+80
END MILL & OVERLAY
(IH 43 NB)

BELOIT RD

HIGH FRICTION
SURFACE TREATMENT
(MOORLAND RD
ROUNDABOUT)

B-67-293
APPROACH WORK

B-67-294
APPROACH WORK

B-67-295
PARAPET REPAIR/REPLACEMENT
APPROACH WORK

C-67-013
SE WING WALL REPAIR/REPLACEMENT

BEGIN MILL & OVERLAY
(MATCH CONCRETE)

B-67-103
DECK REPLACEMENT &
THIN POLYMER OVERLAY (TPO)

REPLACE TWO CULVERT
PIPES ALONG IH 43

HIGH FRICTION SURFACE TREATMENT
IH 43 NB
(STA 56NB+42 TO STA 87NB+15)

HIGH FRICTION SURFACE TREATMENT
IH 43 SB OFF-RAMP TO STH 100
(STA 366+24 TO STA 376+48)
(STA 21+45 TO STA 26+54)

END CONSTRUCTION

BEGIN PROJECT
STA 780NB+00

CITY OF NEW BERLIN

CITY OF GREENFIELD

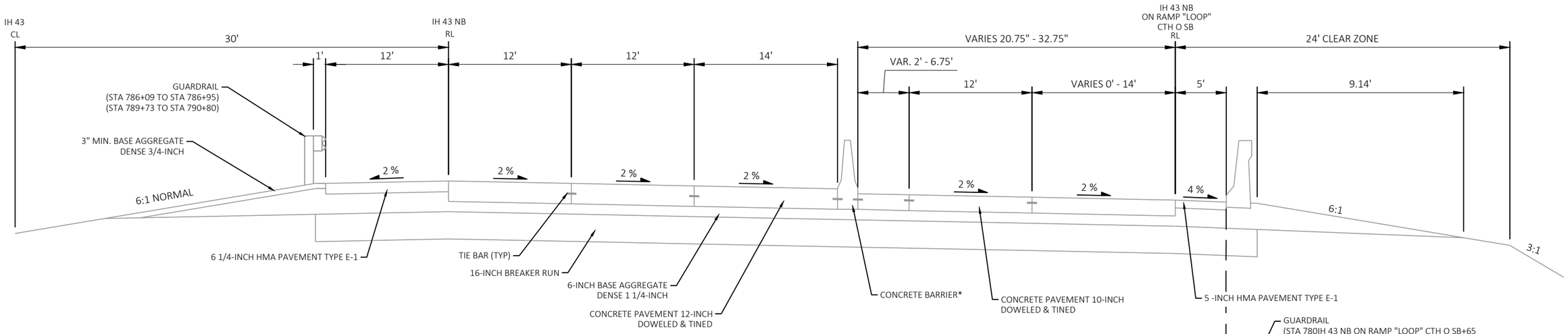
SCOPE INCLUDES A MILL & OVERLAY ON IH 43 FROM MOORLAND ROAD TO THE HALE INTERCHANGE, THE RAMPS TO AND FROM LAYTON AVENUE AND STH 100, AND THE WEST-TO-NORTH RAMP OF THE HALE INTERCHANGE WITH HIGH FRICTION SURFACE TREATMENT IN AREAS. TWO CULVERT PIPES ALONG IH 43 AT 116TH STREET WILL BE REPLACED AND THE SE WING WALL OF CULVERT C-67-013 AND NORTHWEST WING WALL OF CULVERT C-67-021 WILL BE REPAIRED/REPLACED. THE FOLLOWING BRIDGE WORK WILL BE COMPLETED AS WELL: DECK REPLACEMENT & THIN POLYMER OVERLAY (TPO) ON B-67-103 (IH 43 NB OFF-RAMP TO LAYTON AVENUE OVER IH 43 SB), TPO ON B-67-359 (SUNNY SLOPE RD OVER IH 43), PARAPET REPAIR/REPLACEMENT ON B-67-295 (IH 43 NB OVER MOORLAND ROAD), APPROACH WORK ON B-67-293, B-67-294, B-67-295 & B-40-303, AND SOME RETAINING WALL WORK ALONG IH 43 AND MOORLAND ROAD.

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PROJECT OVERVIEW	SHEET E

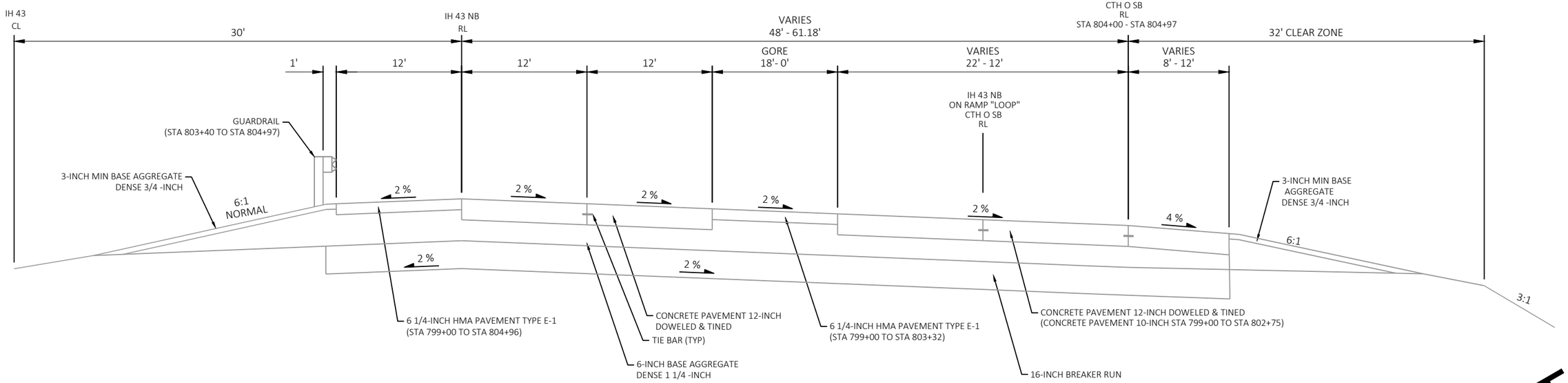
PRE_4

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201
PLOT DATE : 6/12/2020 2:59 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:1500 FT
WISDOT/CADDS SHEET 42



* 2-SINGLE FACED 42-INCH STA. 780+00 TO STA. 790+00
TRANSITION SECTION 42-INCH STA. 790+00 TO STA. 790+40
DOUBLE FACED 42-INCH STA. 790+40 - STA 799+00

EXISTING TYPICAL SECTION
IH 43 NB
STA. 780+00 TO STA. 787+29
STA. 788+92 TO STA. 799+00



EXISTING TYPICAL SECTION
IH 43 NB
STA. 799+00 TO STA. 804+97

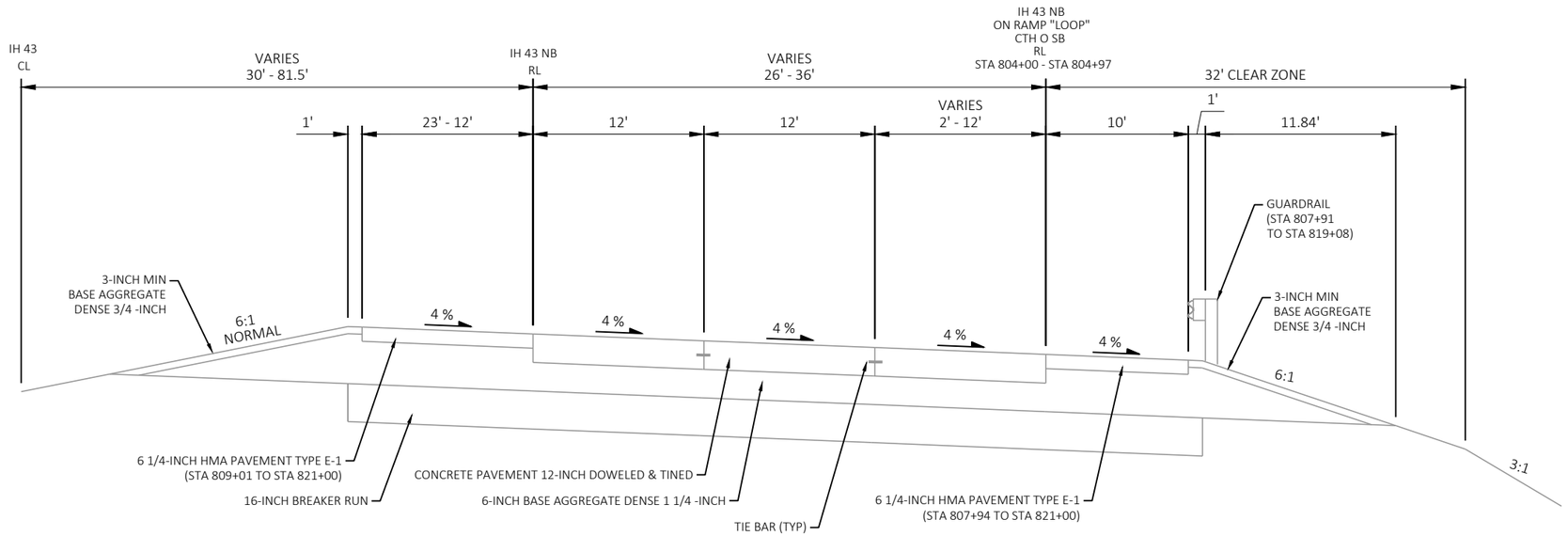
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

PRE_5

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020301

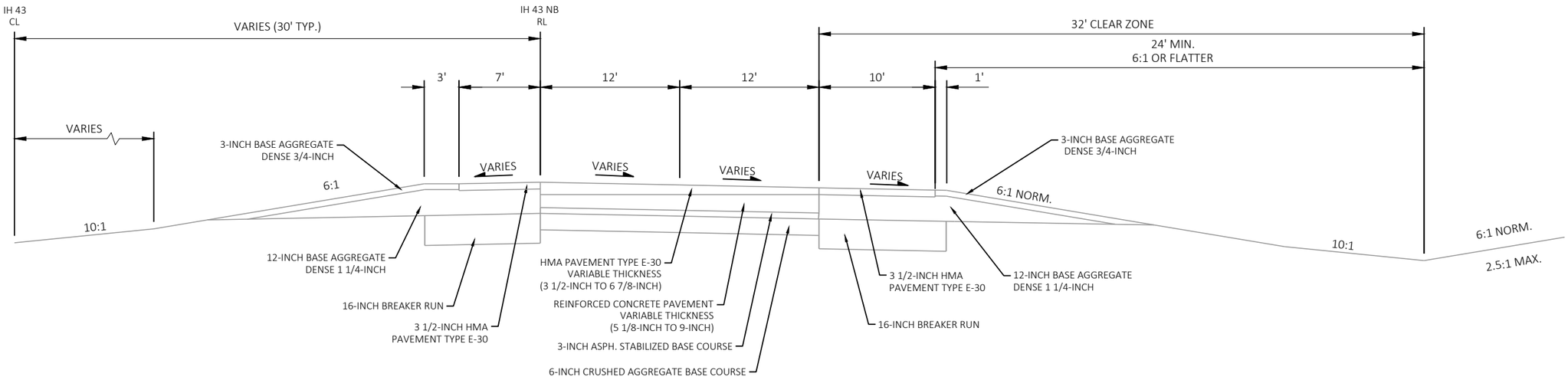
PLOT DATE : 11/15/2020 6:56 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT



EXISTING TYPICAL SECTION

IH 43 NB

STA. 807+00 TO STA. 821+00



EXISTING TYPICAL SECTION

IH 43 NB

STA. 821+00 TO STA. 840+00

DRAFT

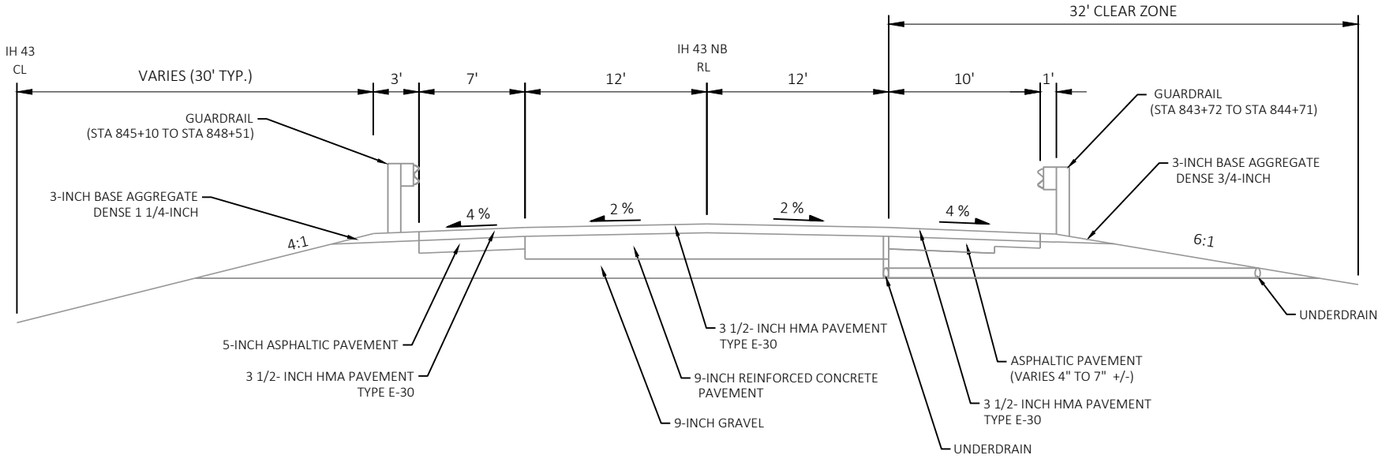
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PRE_6

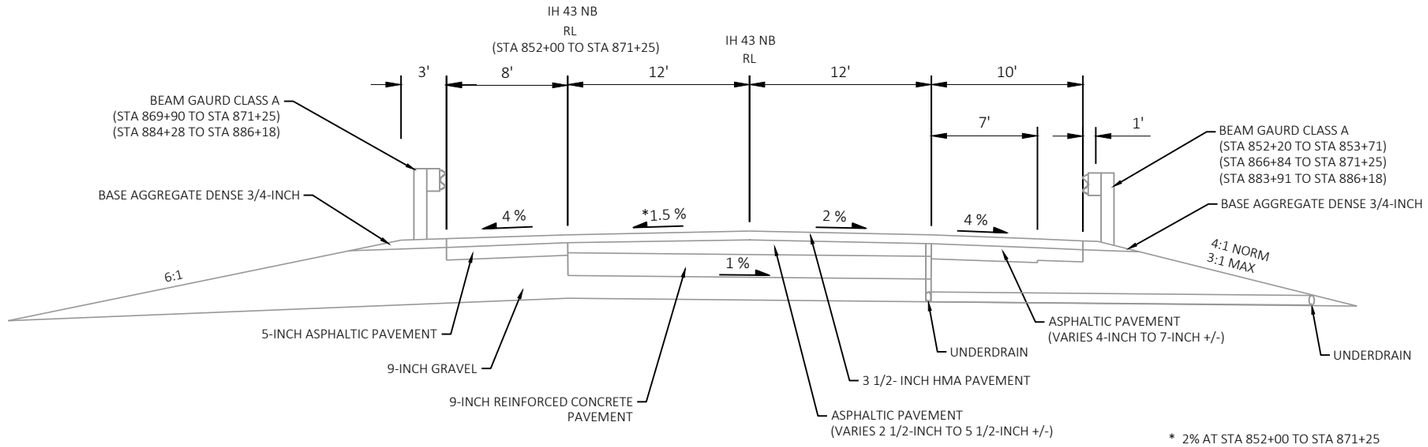
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LAYOUT NAME - 020302

PLOT DATE : 11/15/2020 6:57 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION
IH 43 NB
STA. 840+00 TO STA. 852+00



* 2% AT STA 852+00 TO STA 871+25

EXISTING TYPICAL SECTION
IH 43 NB
STA. 852+00 TO STA. 871+25
STA. 880+35 TO STA. 890+00
STA. 895+00 TO STA. 899+00

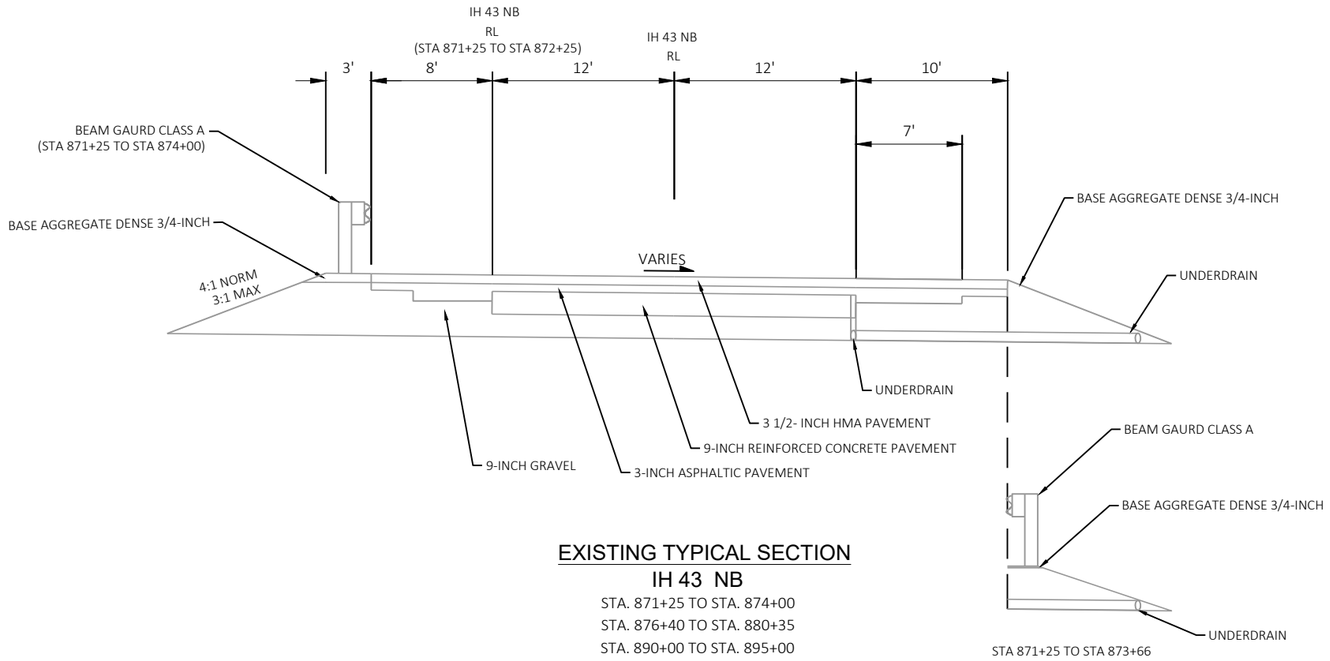
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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020303
PLOT DATE : 11/15/2020 7:24 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_7

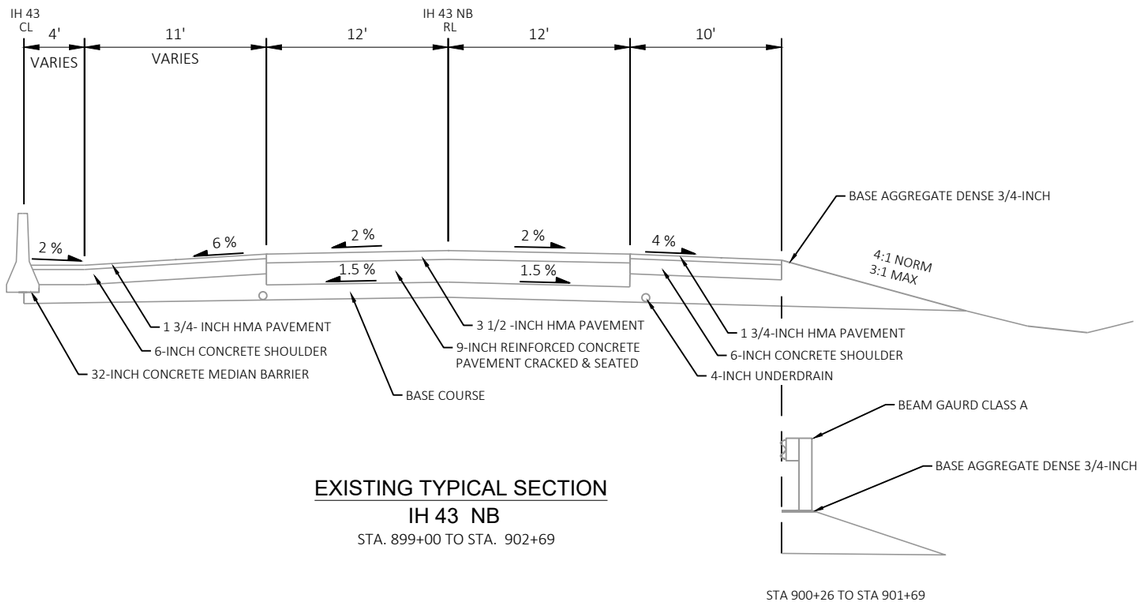
2



EXISTING TYPICAL SECTION

IH 43 NB

STA. 871+25 TO STA. 874+00
STA. 876+40 TO STA. 880+35
STA. 890+00 TO STA. 895+00



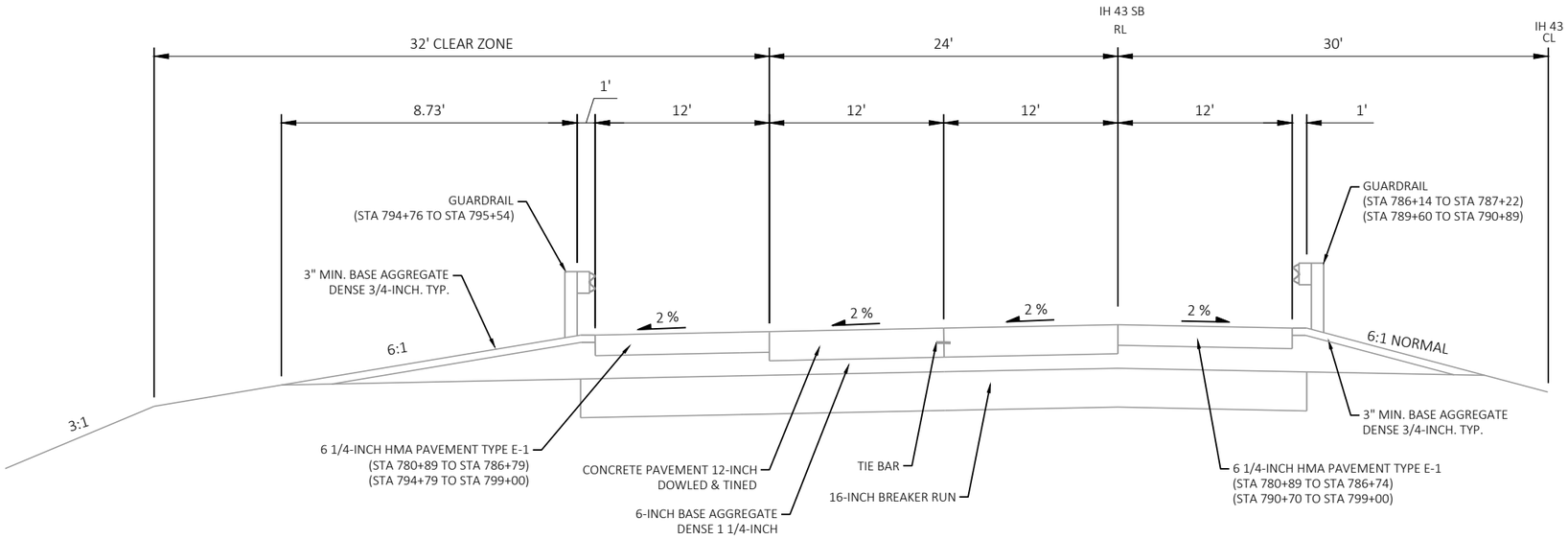
EXISTING TYPICAL SECTION

IH 43 NB

STA. 899+00 TO STA. 902+69

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

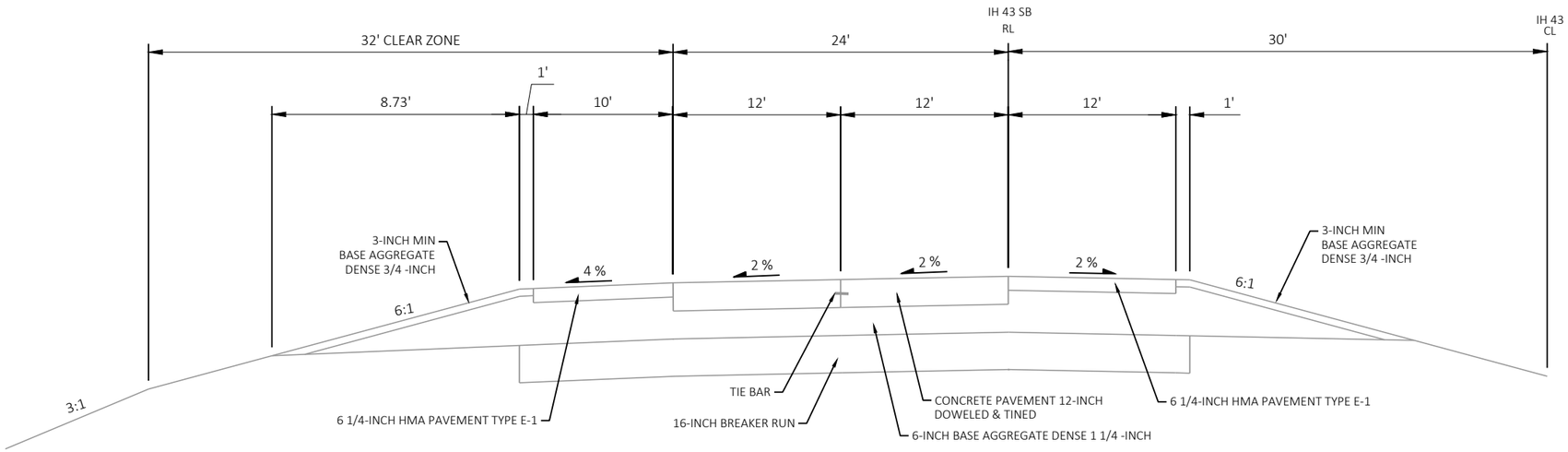


EXISTING TYPICAL SECTION

IH 43 SB

STA. 780+89 TO STA. 787+75

STA. 789+60 TO STA. 799+00



EXISTING TYPICAL SECTION

IH 43 SB

STA. 799+00 TO STA. 799+38

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

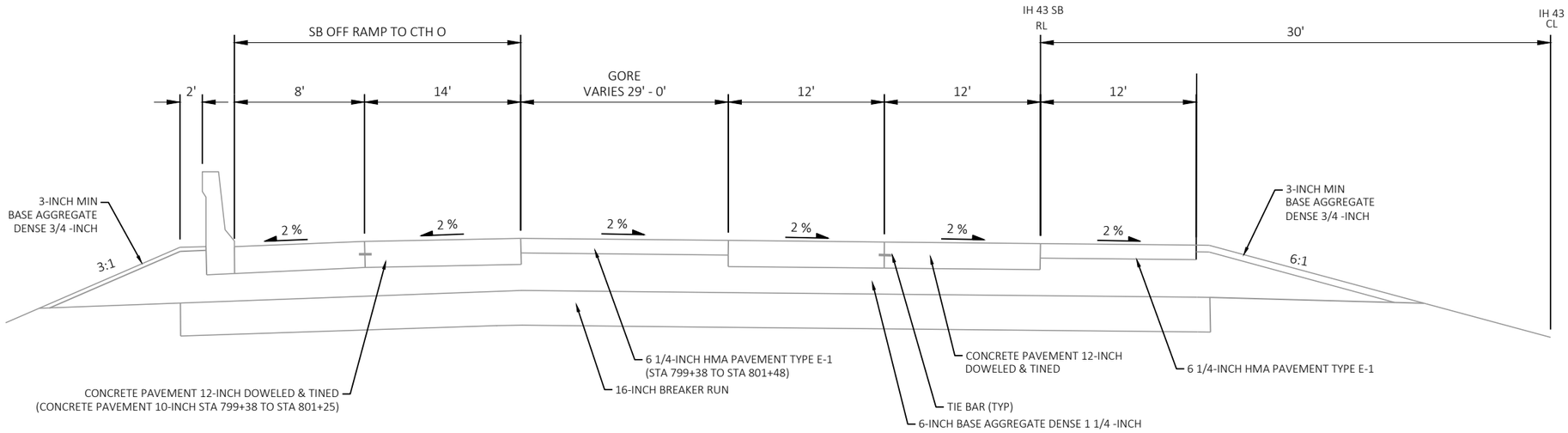
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020305

PLOT DATE : 11/15/2020 7:25 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

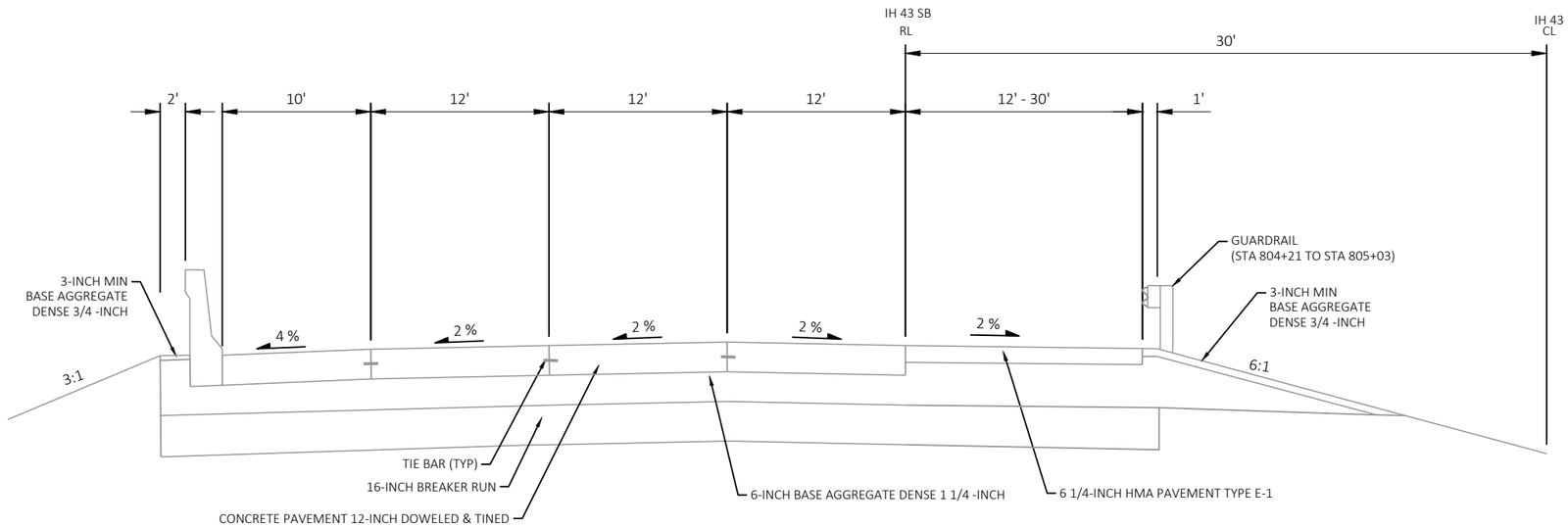
PRE_9

WISDOT/CADDS SHEET 42

2



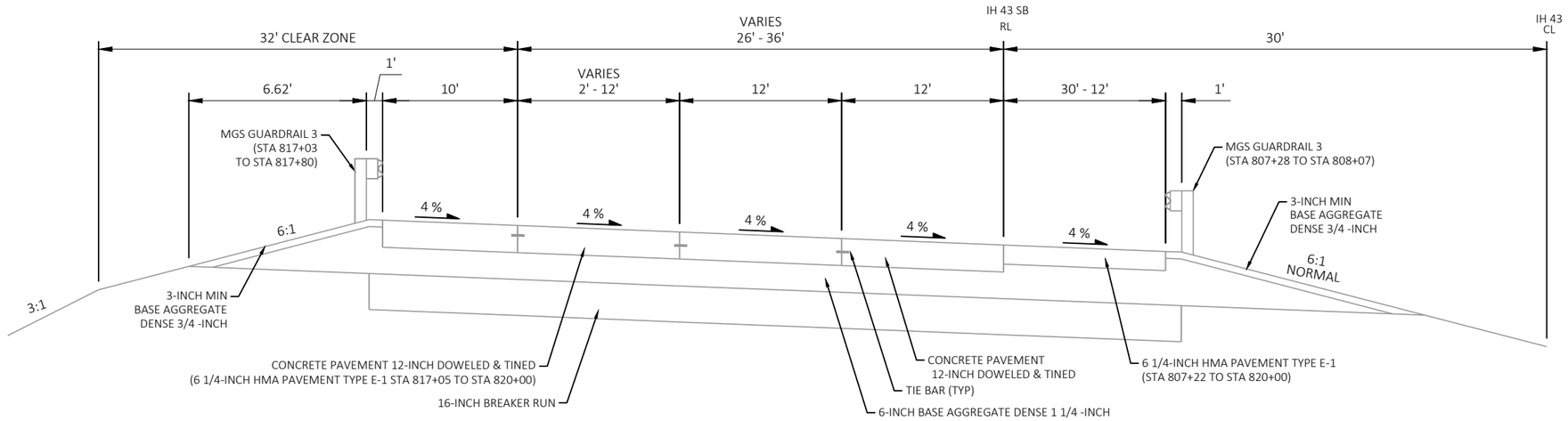
EXISTING TYPICAL SECTION
IH 43 SB
STA. 799+38 TO STA. 802+36



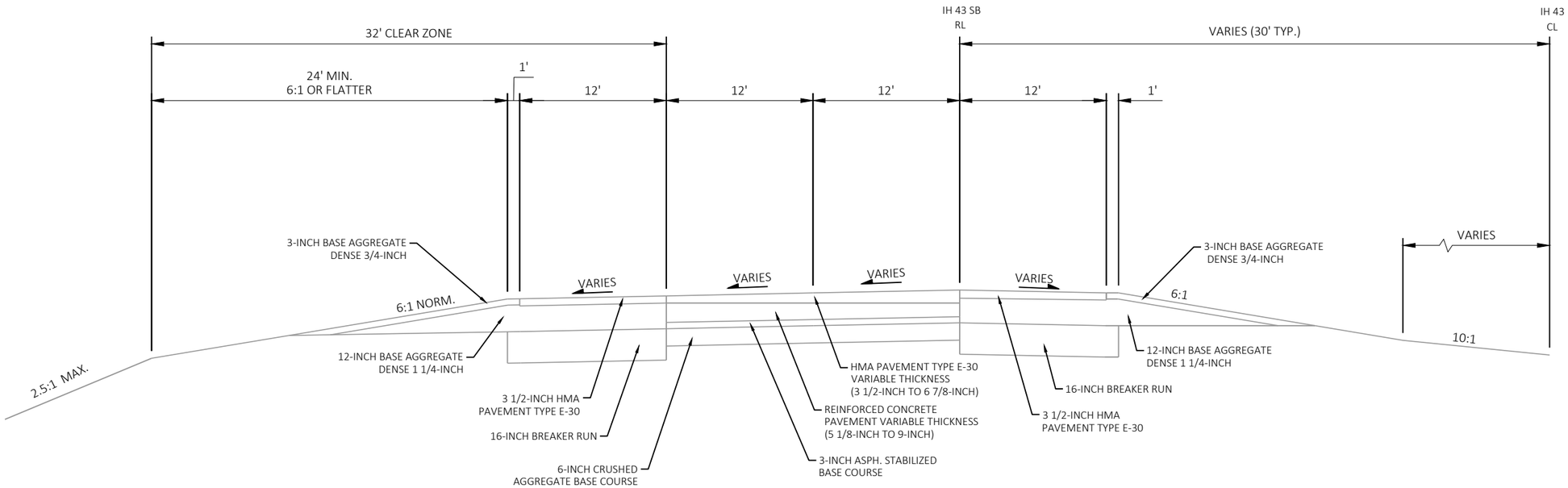
EXISTING TYPICAL SECTION
IH 43 SB
STA. 802+36 TO STA. 805+03

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E



EXISTING TYPICAL SECTION
IH 43 SB
STA. 807+00 TO STA. 820+00



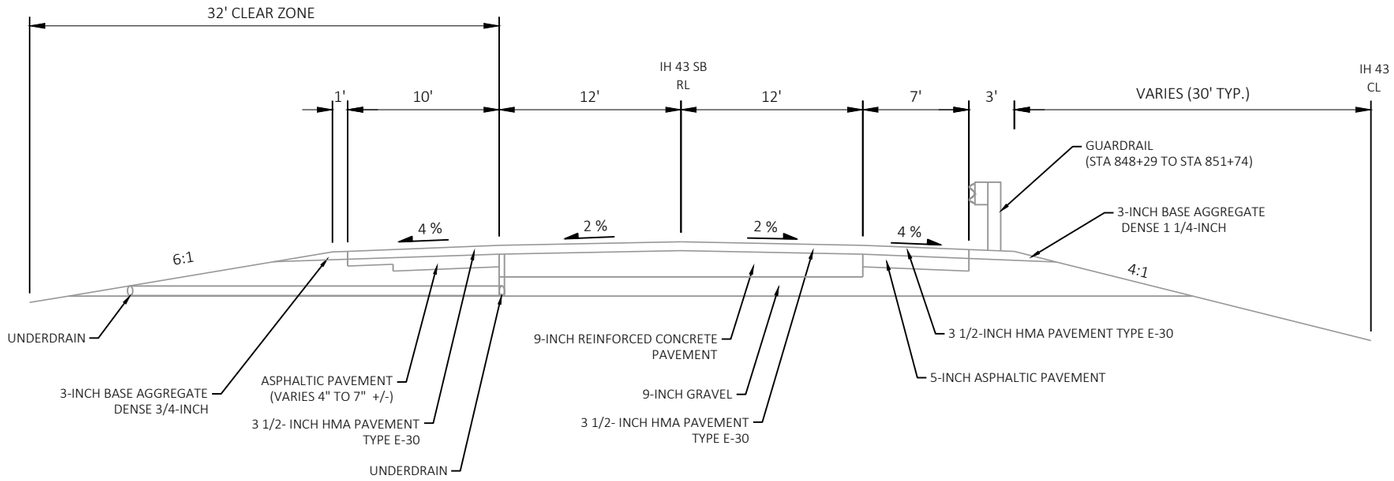
EXISTING TYPICAL SECTION
IH 43 SB
STA. 820+00 TO STA. 840+00

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020307
PLOT DATE : 11/15/2020 6:59 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

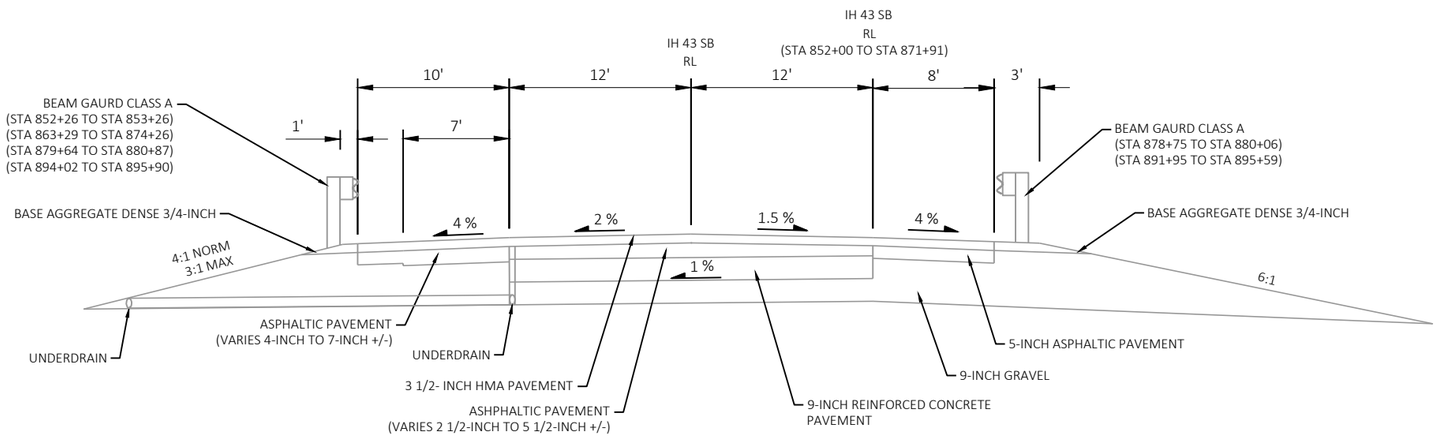
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EXISTING TYPICAL SECTION

IH 43 SB

STA. 840+00 TO STA. 852+00



EXISTING TYPICAL SECTION

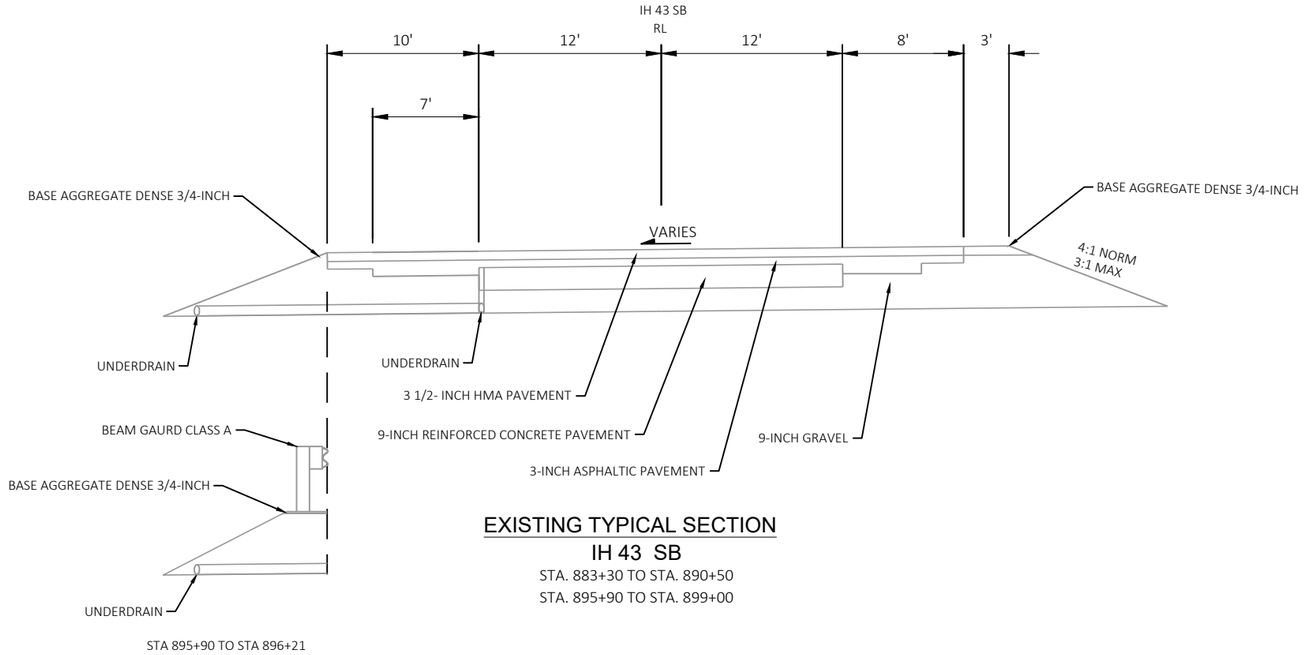
IH 43 SB

STA. 852+00 TO STA. 875+00
STA. 878+50 TO STA. 883+30
STA. 890+50 TO STA. 895+90

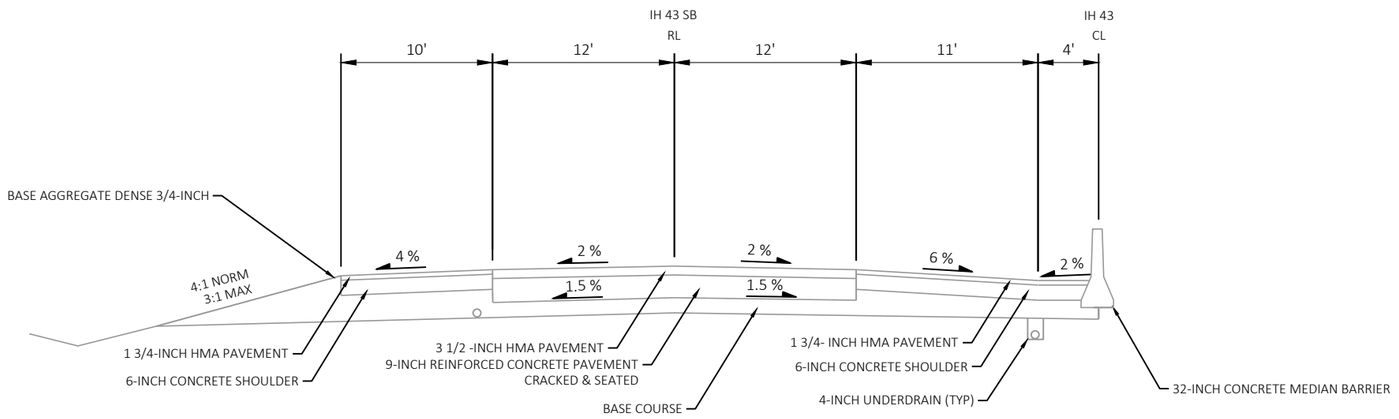
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

2



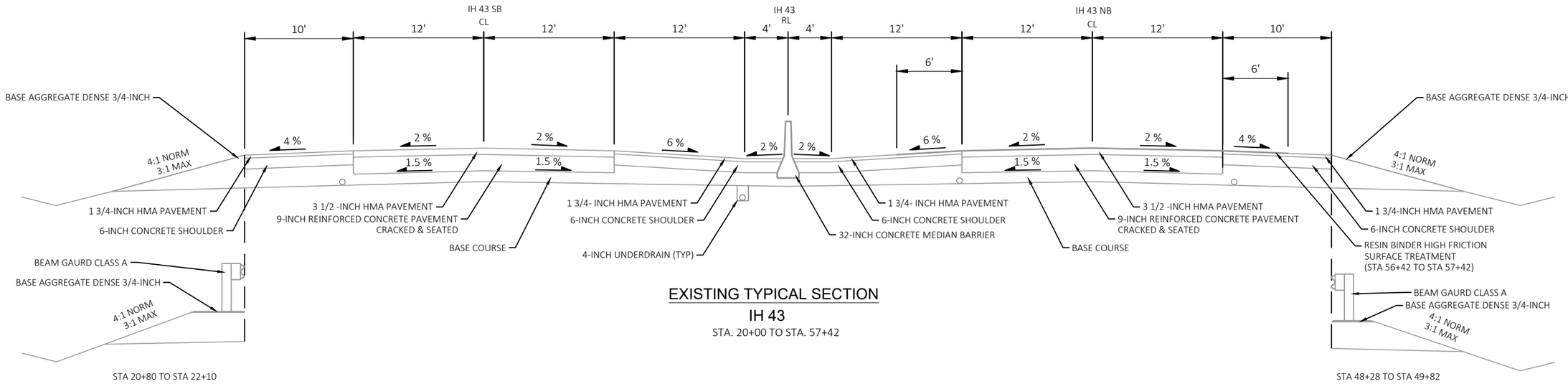
EXISTING TYPICAL SECTION
IH 43 SB
STA. 883+30 TO STA. 890+50
STA. 895+90 TO STA. 899+00



EXISTING TYPICAL SECTION
IH 43 SB
STA. 899+00 TO STA. 902+69

DRAFT

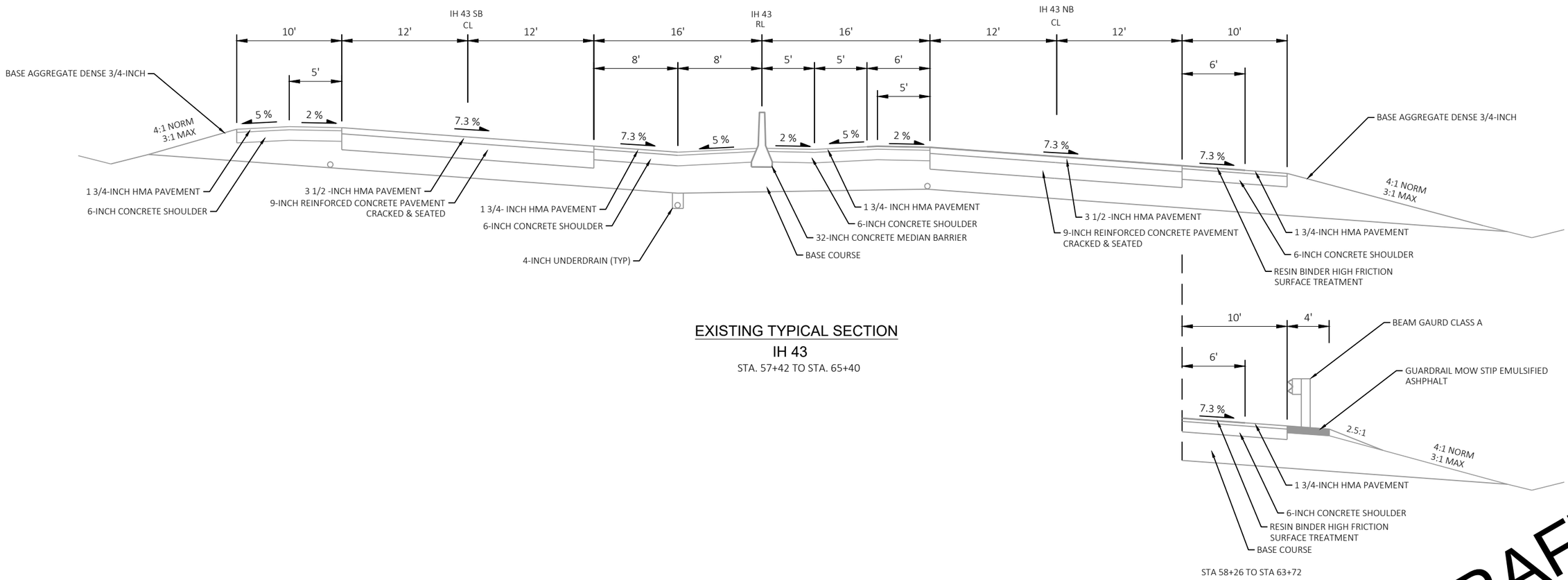
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E



STA 20+80 TO STA 22+10
STA 51+38 TO STA 52+93

STA 48+28 TO STA 49+82

EXISTING TYPICAL SECTION
IH 43
STA. 20+00 TO STA. 57+42



STA 58+26 TO STA 63+72

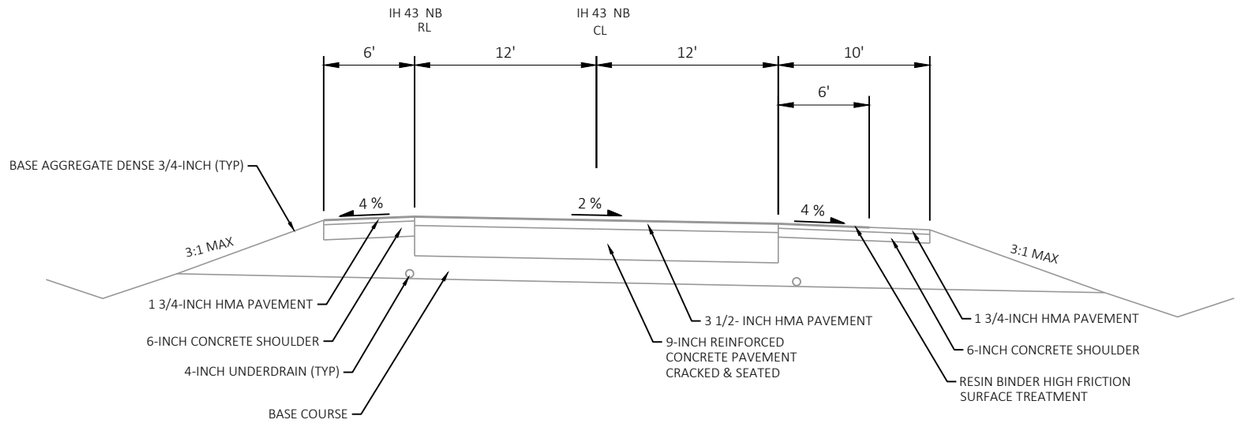
EXISTING TYPICAL SECTION
IH 43
STA. 57+42 TO STA. 65+40

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET PRE_14 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020310
PLOT DATE : 11/6/2020 11:32 AM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

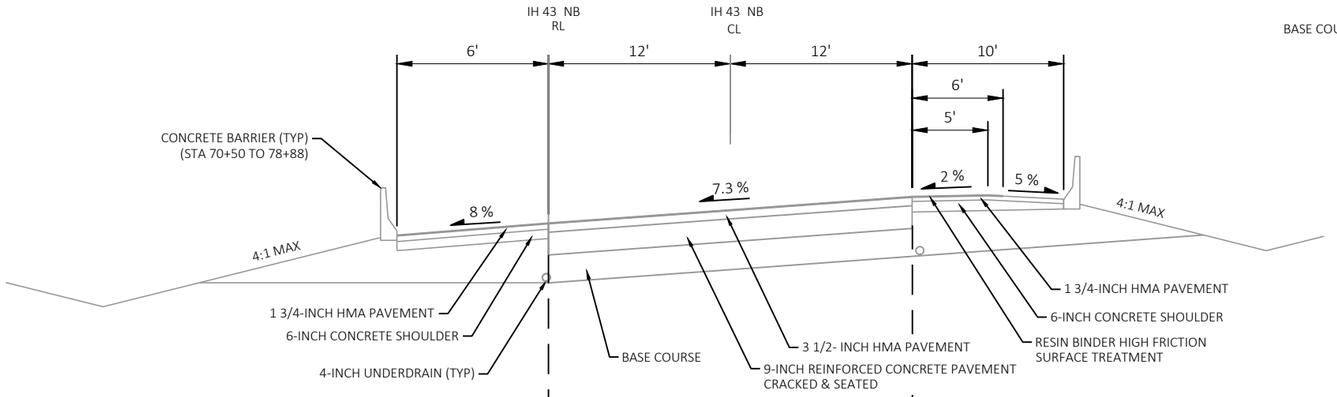
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EXISTING TYPICAL SECTION

IH 43 NB

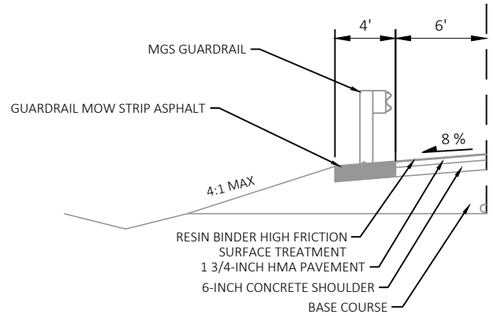
STA. 65+40 TO STA. 70+50



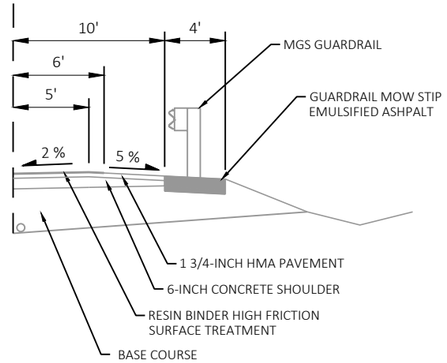
EXISTING TYPICAL SECTION

IH 43 NB

STA. 70+50 TO STA. 86+50



STA 70+55 TO STA 71+35
STA 78+90 TO STA 84+30



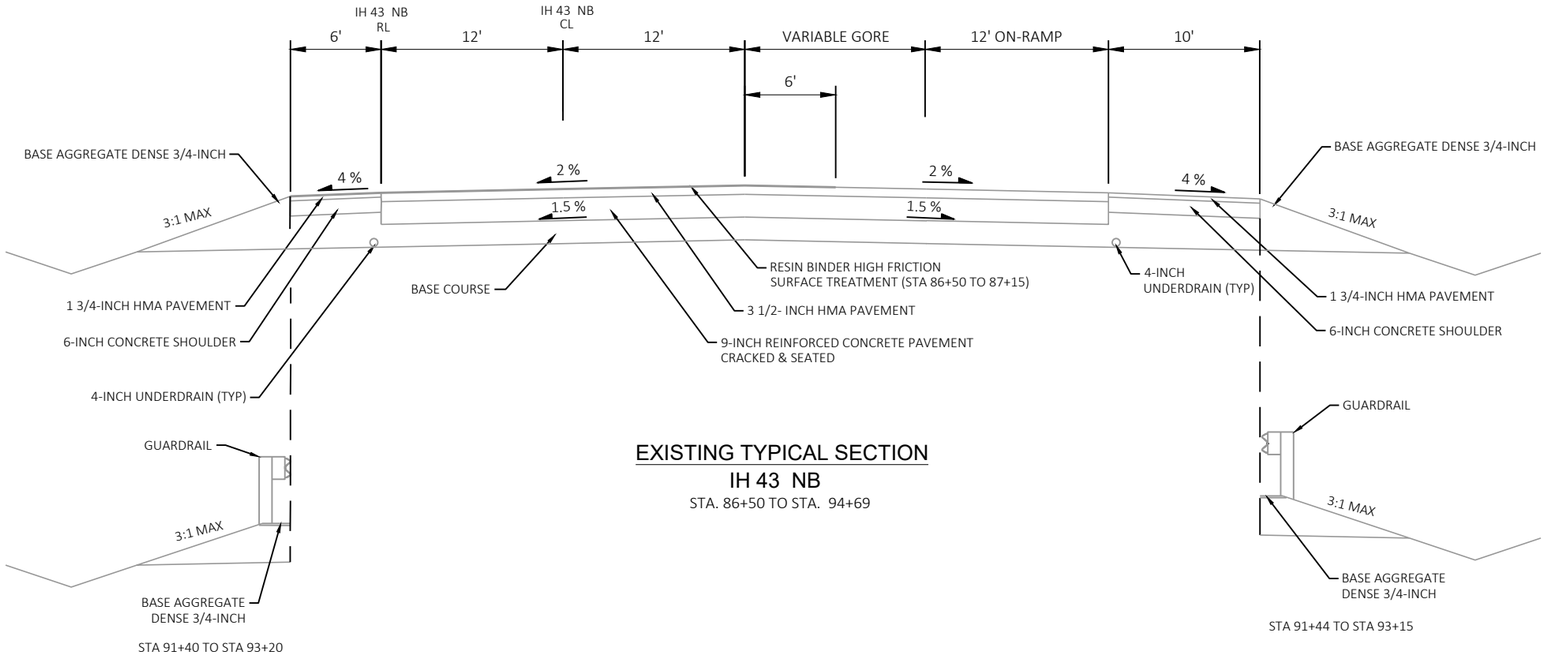
STA 71+16 TO STA 71+96
STA 78+88 TO STA 83+50

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020311

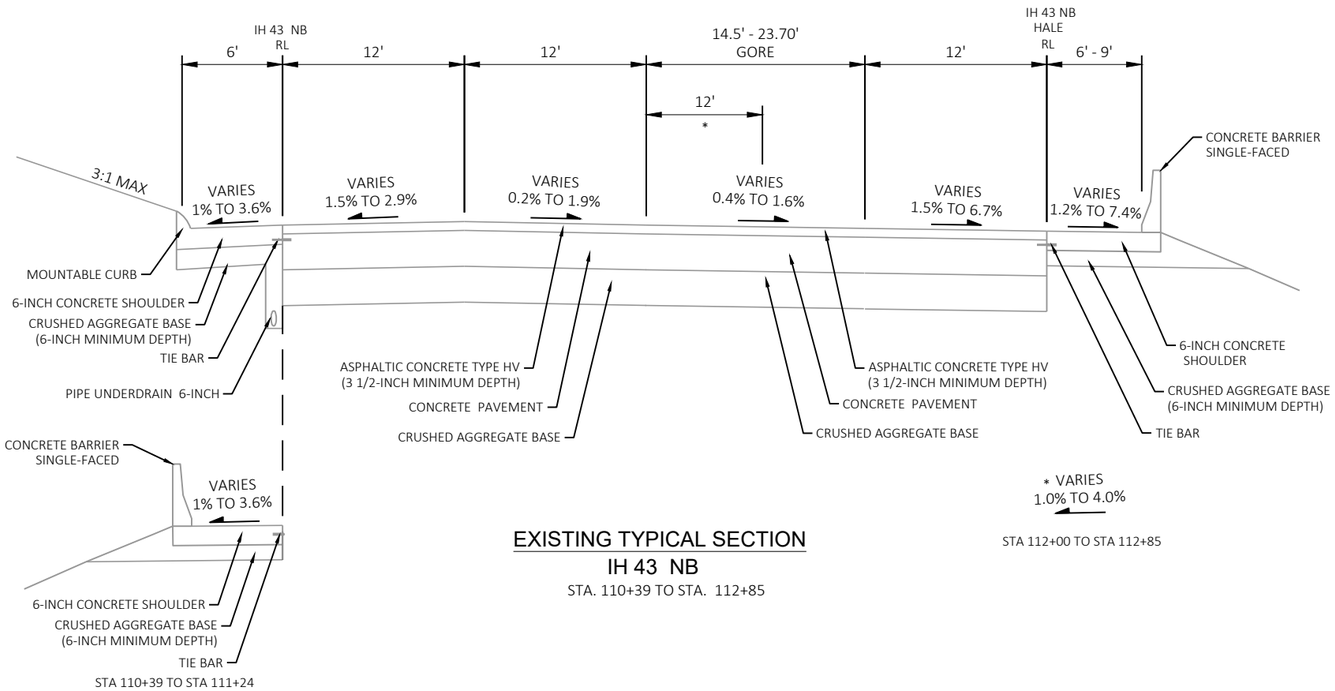
PLOT DATE : 11/15/2020 7:25 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT



STA 91+40 TO STA 93+20

STA 91+44 TO STA 93+15

EXISTING TYPICAL SECTION
IH 43 NB
STA. 86+50 TO STA. 94+69



STA 110+39 TO STA 111+24

STA 112+00 TO STA 112+85

EXISTING TYPICAL SECTION
IH 43 NB
STA. 110+39 TO STA. 112+85

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

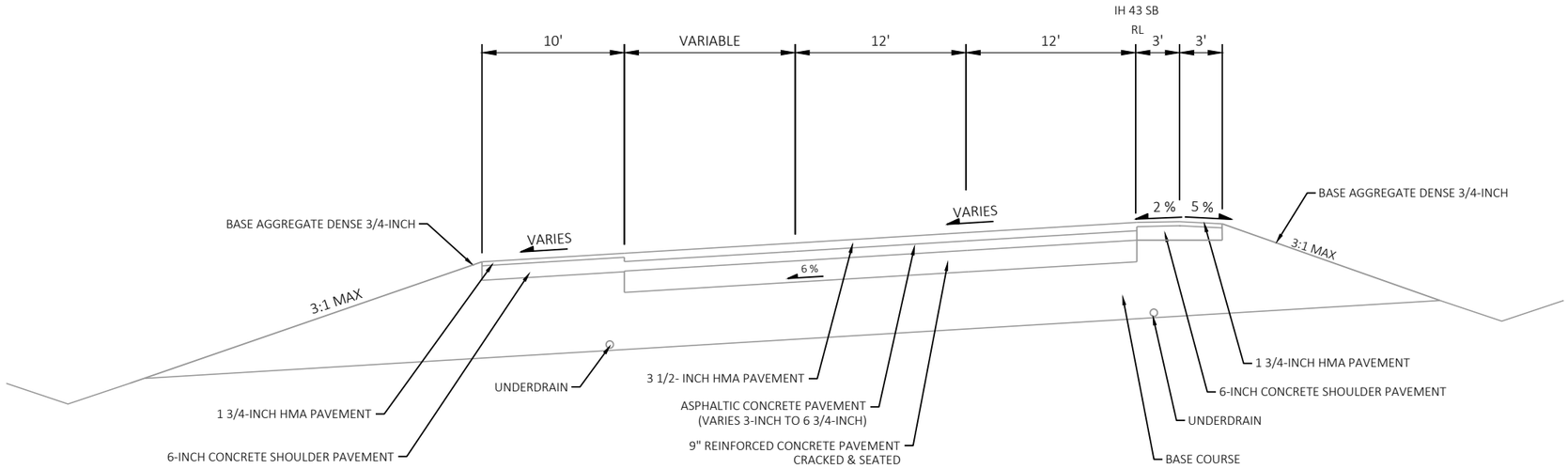
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LAYOUT NAME - 020312

PLOT DATE : 11/30/2020 12:52 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

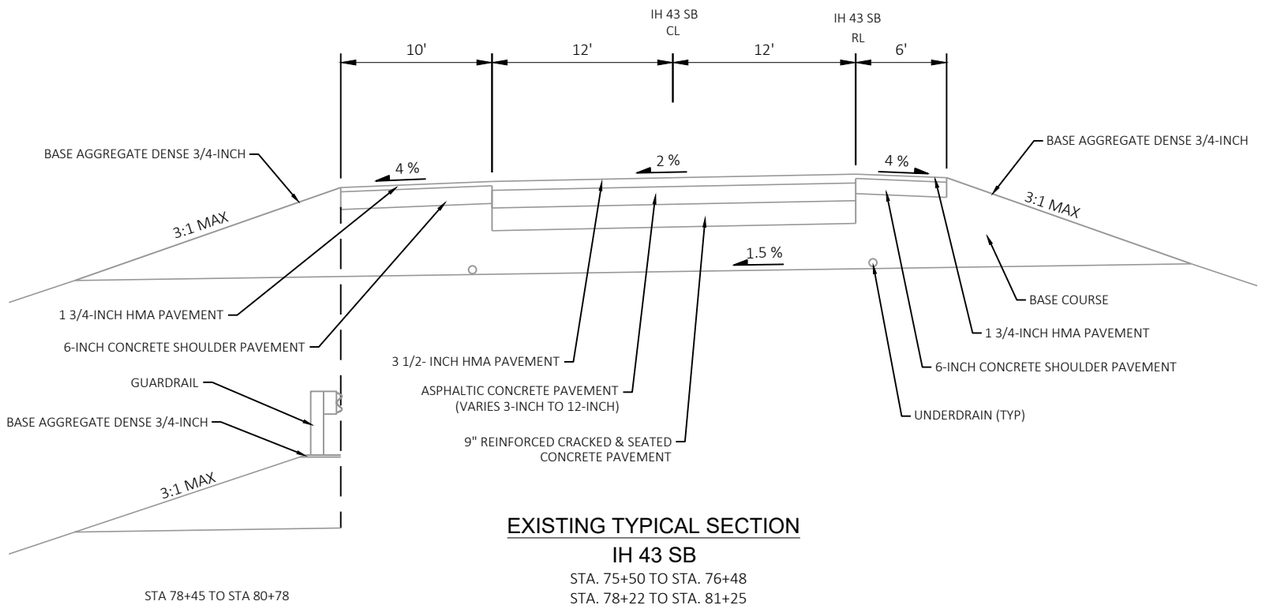
PRE_16

WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION
IH 43 SB
STA. 65+40 TO STA. 75+50



EXISTING TYPICAL SECTION
IH 43 SB
STA. 75+50 TO STA. 76+48
STA. 78+22 TO STA. 81+25

STA 78+45 TO STA 80+78

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

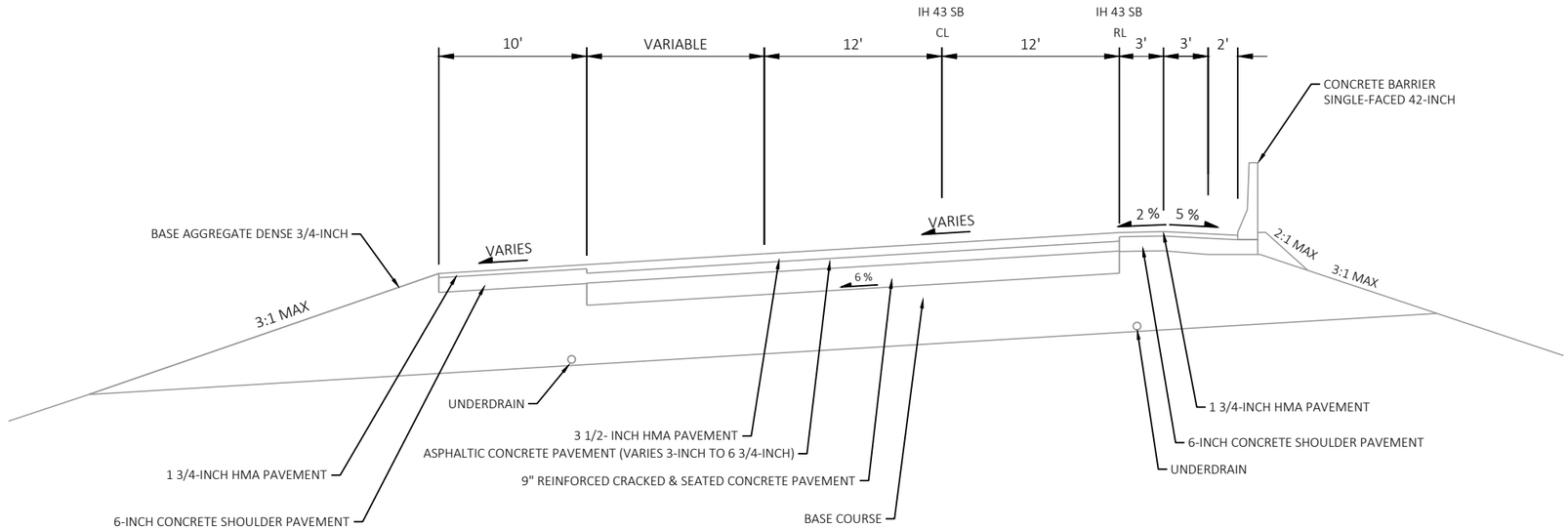
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020313

PLOT DATE : 11/15/2020 7:26 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_17

WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION

IH 43 SB

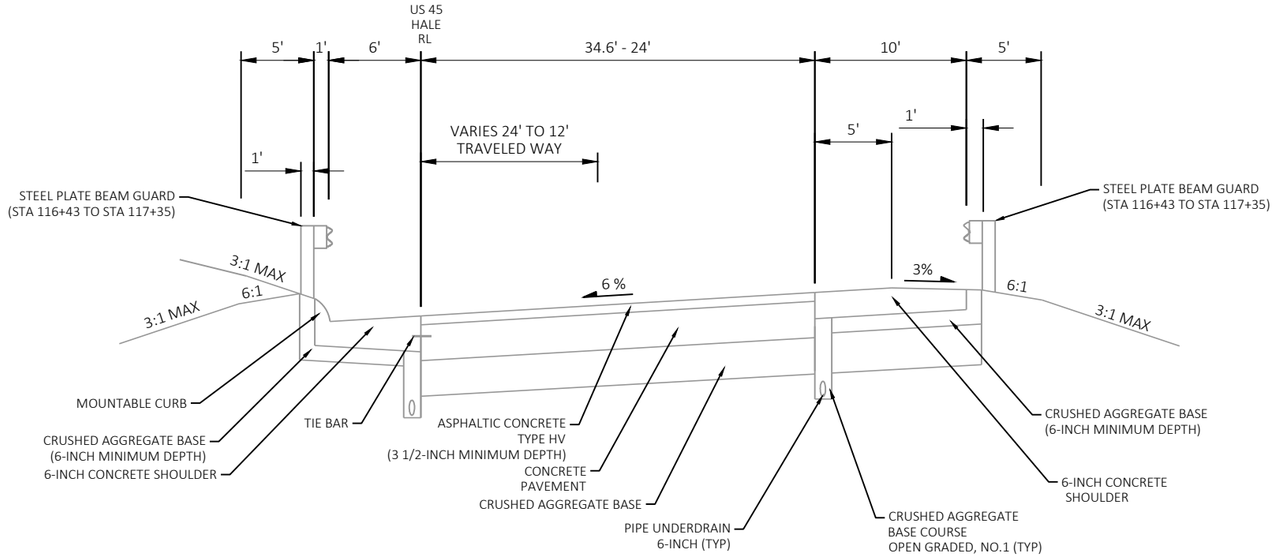
STA. 81+25 TO STA. 92+51

DRAFT

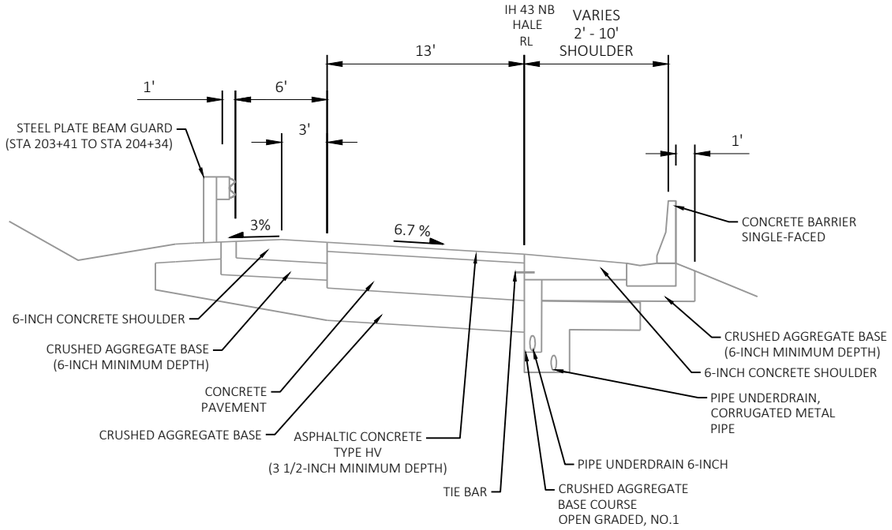
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET PRE_18 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020314

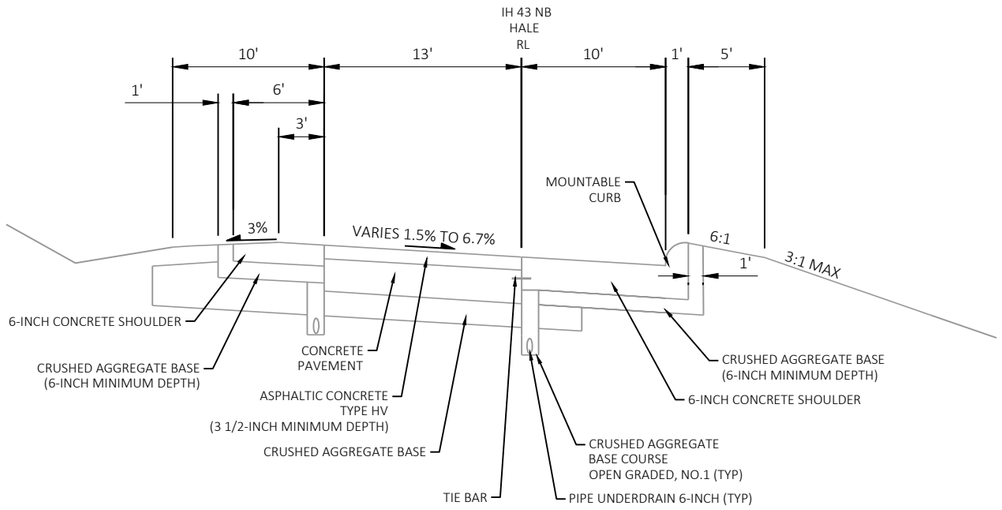
PLOT DATE : 11/6/2020 11:48 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT



EXISTING TYPICAL SECTION
W-N RAMP (HALE INTERCHANGE)
STA. 112NB+85 TO STA. 118NB+85



EXISTING TYPICAL SECTION
W-E RAMP (HALE INTERCHANGE)
STA. 203NB+40 TO STA. 205NB+18



EXISTING TYPICAL SECTION
W-E RAMP (HALE INTERCHANGE)
STA. 208NB+81 TO STA. 210NB+80

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET

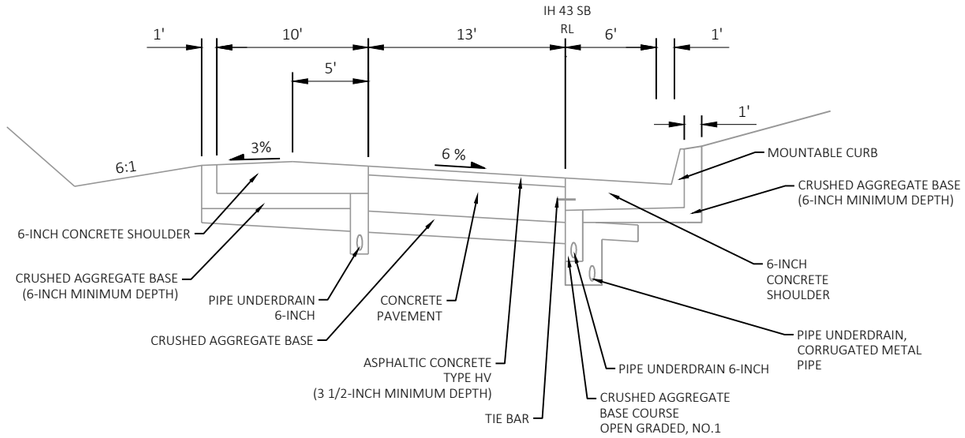
PRE_19

E

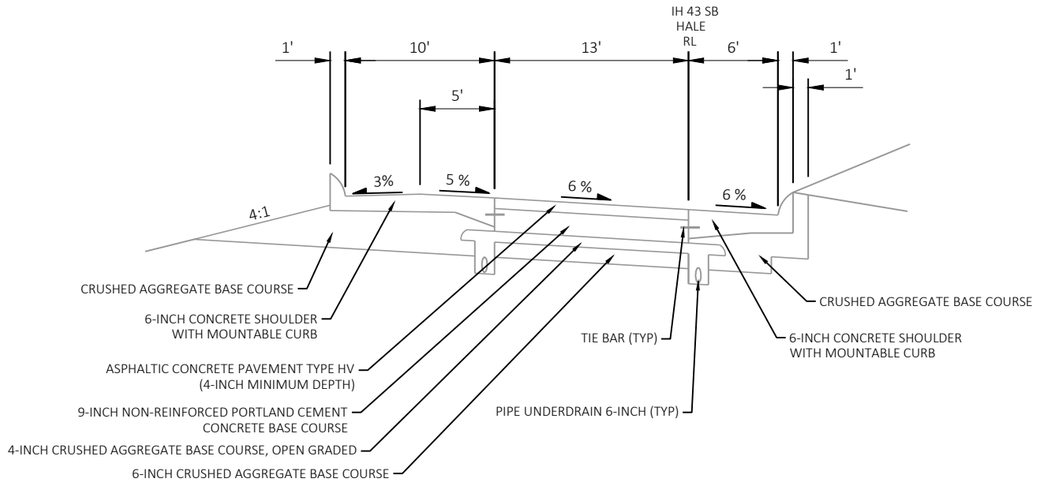
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020315

PLOT DATE : 11/30/2020 12:48 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

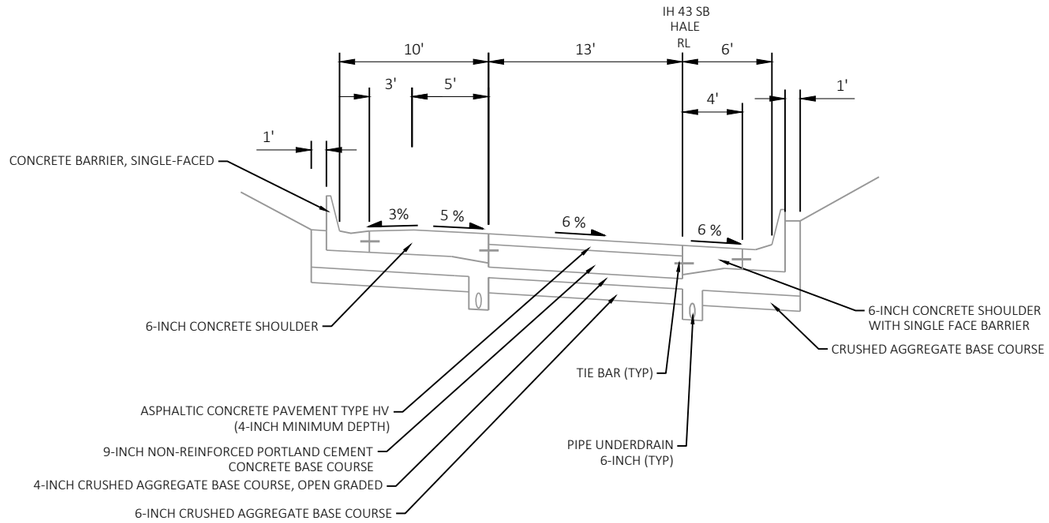
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EXISTING TYPICAL SECTION
E-W RAMP (HALE INTERCHANGE)
STA. 110SB+47 TO STA. 111SB+46



EXISTING TYPICAL SECTION
E-W RAMP (HALE INTERCHANGE)
STA. 111SB+46 TO STA. 112SB+12



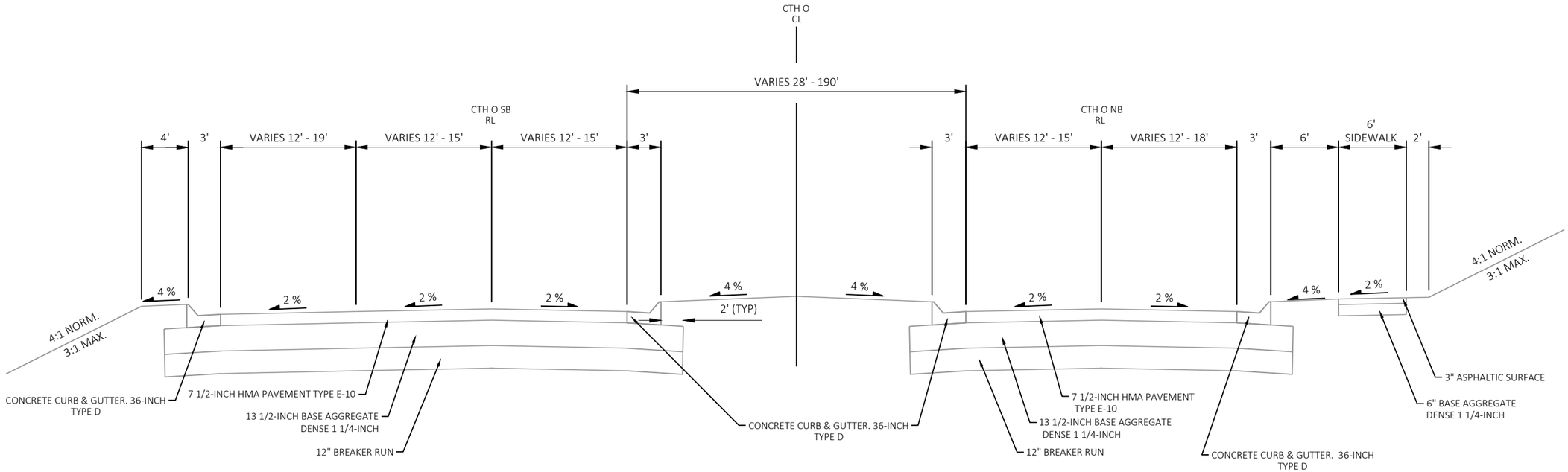
EXISTING TYPICAL SECTION
E-W RAMP (HALE INTERCHANGE)
STA. 112SB+12 TO STA. 119SB+07

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020316
PLOT DATE : 11/6/2020 11:52 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



EXISTING TYPICAL SECTIONS

CTH O

STA. 32+69 TO STA. 34+63

DRAFT

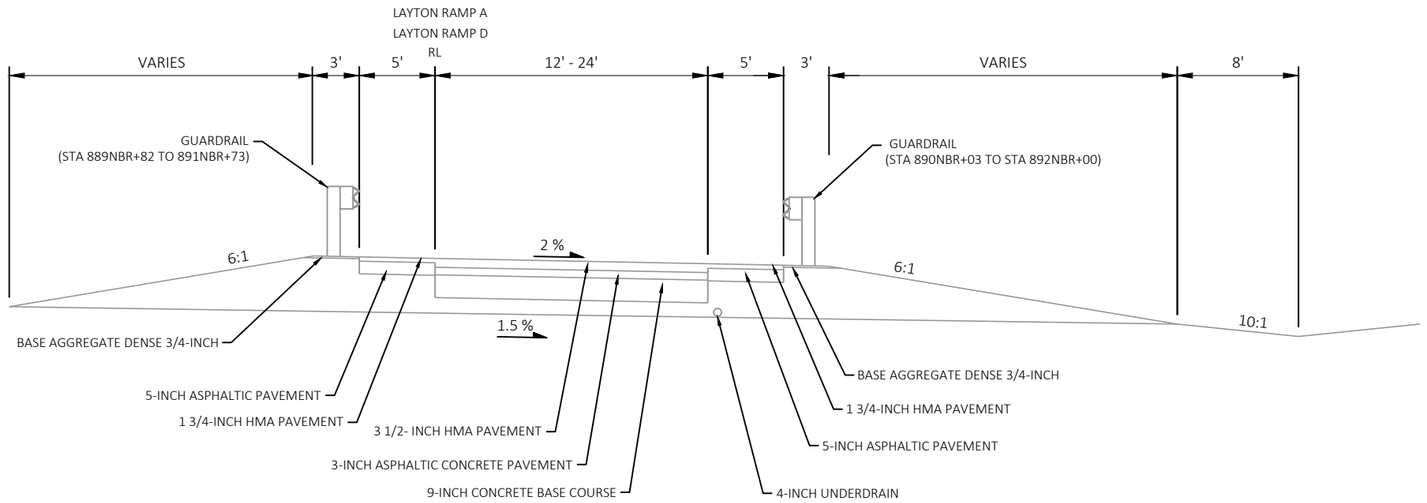
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

PRE_21

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020317

PLOT DATE : 11/6/2020 11:53 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

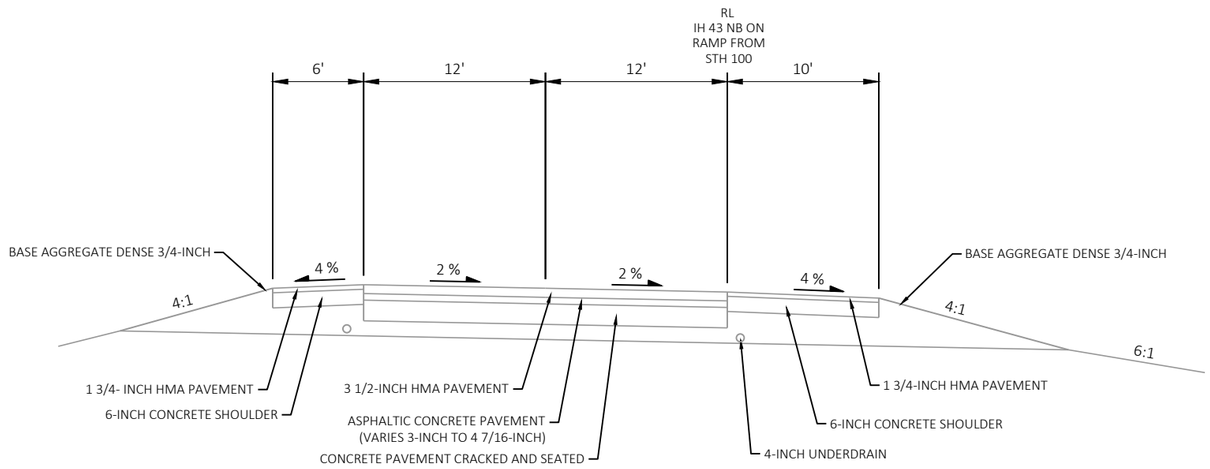
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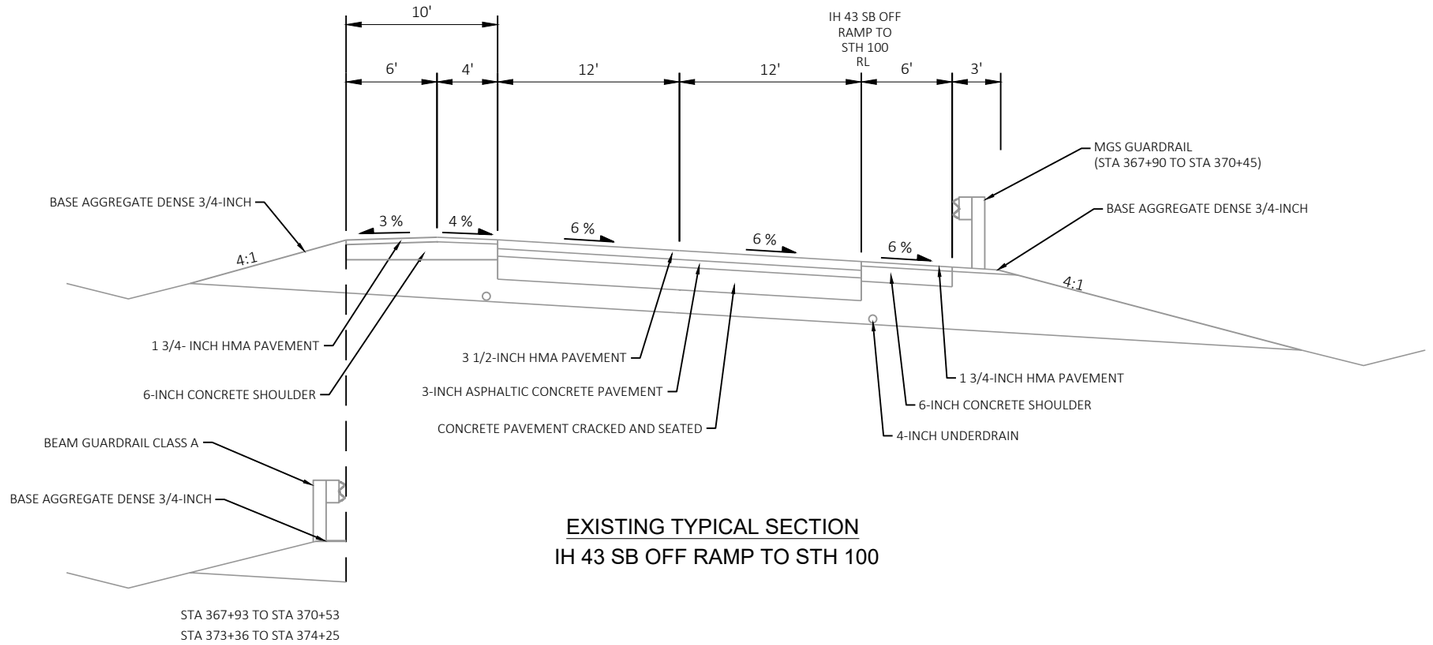
EXISTING TYPICAL SECTION
LAYTON RAMP D
LAYTON RAMP A

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET PRE_22 E



EXISTING TYPICAL SECTION
IH 43 NB ON RAMP FROM STH 100



EXISTING TYPICAL SECTION
IH 43 SB OFF RAMP TO STH 100

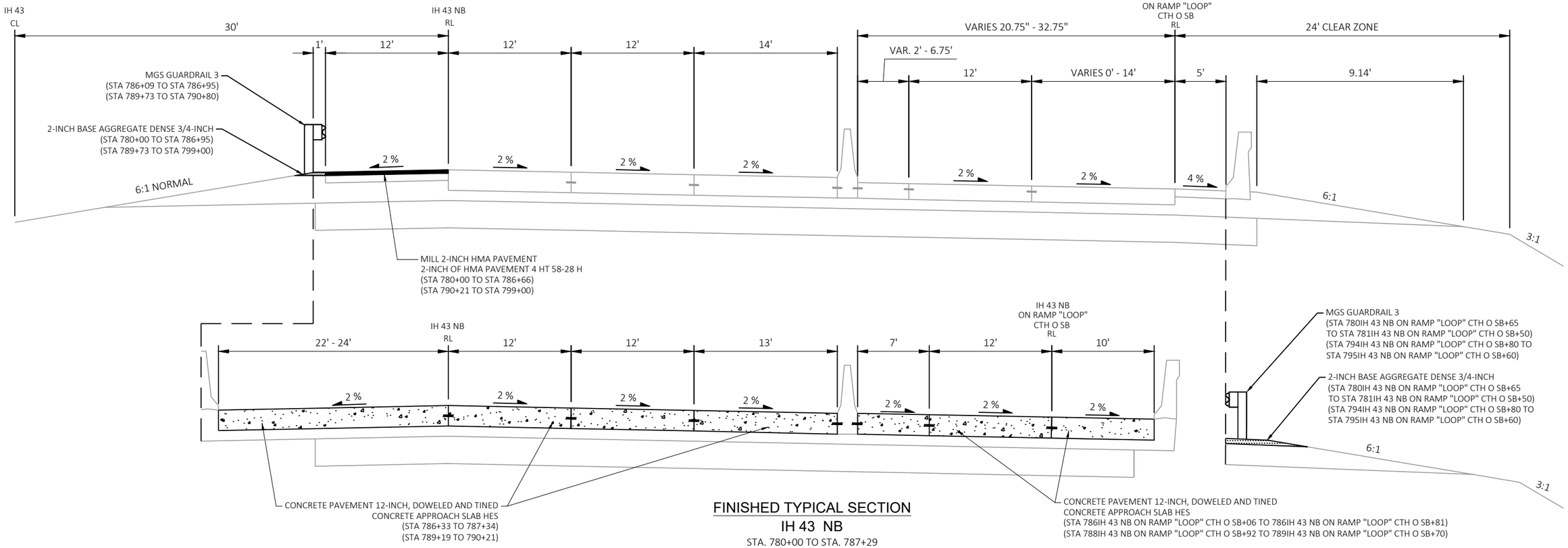
STA 367+93 TO STA 370+53
STA 373+36 TO STA 374+25

DRAFT

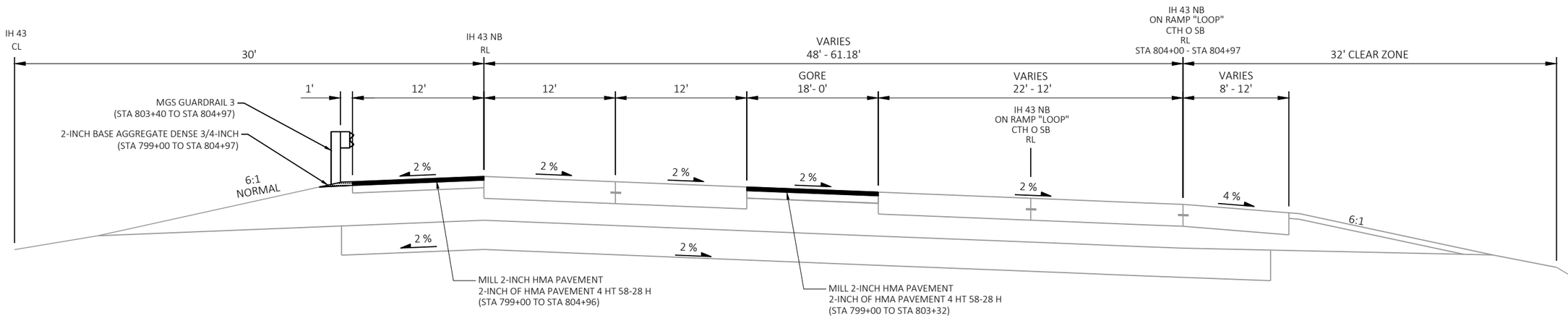
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020319
PLOT DATE : 11/6/2020 11:58 AM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

PRE_23



FINISHED TYPICAL SECTION
IH 43 NB
STA. 780+00 TO STA. 787+29
STA. 788+92 TO STA. 799+00



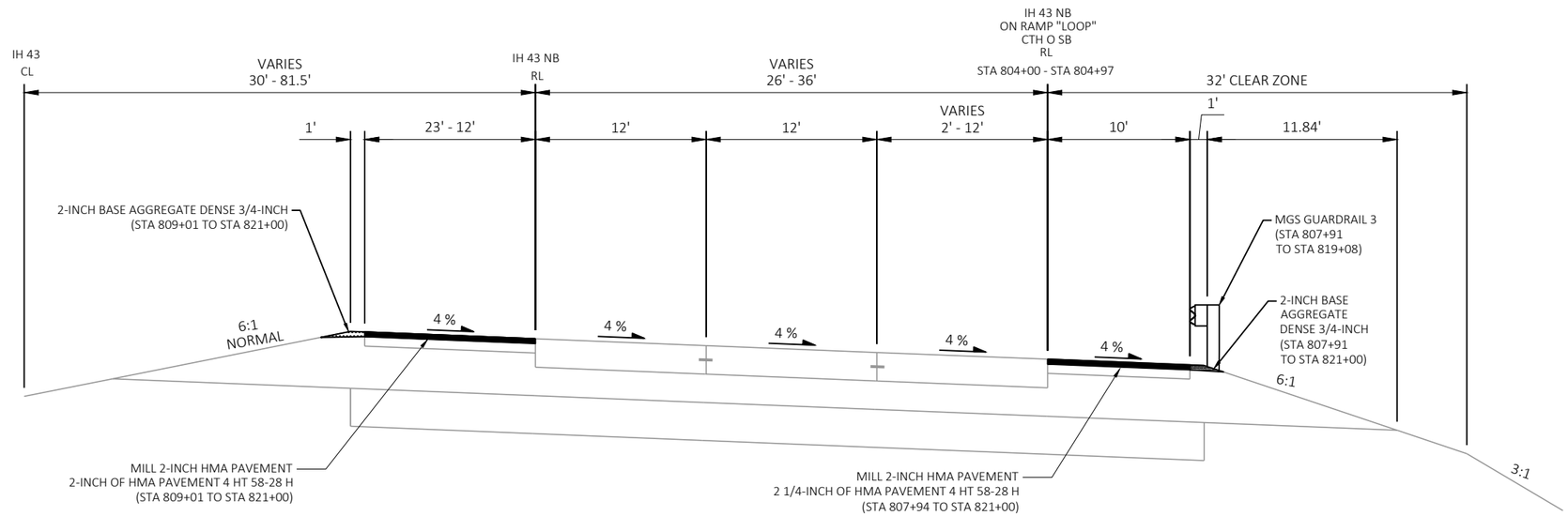
FINISHED TYPICAL SECTION
IH 43 NB
STA. 799+00 TO STA. 804+97

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

PRE_24

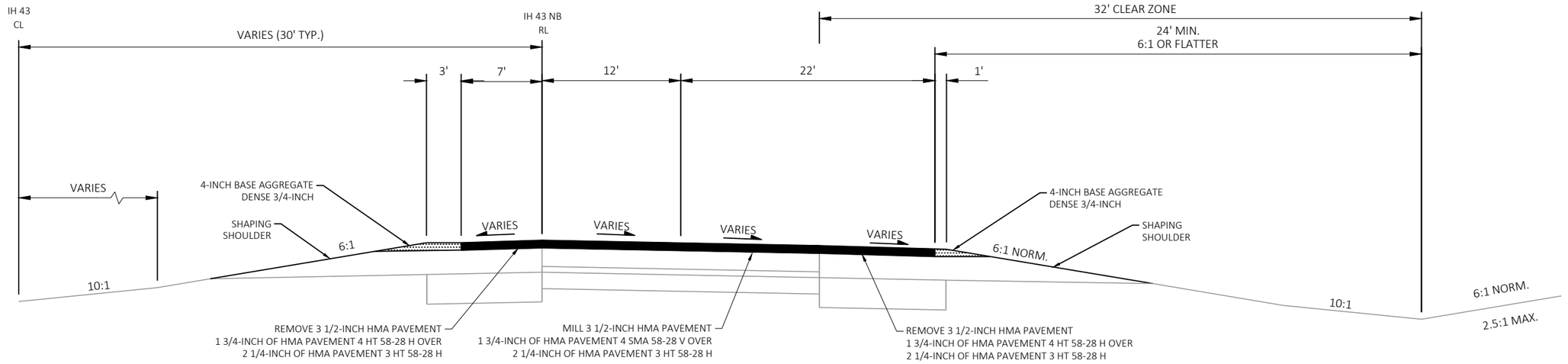
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020320
PLOT DATE : 11/15/2020 7:02 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION

IH 43 NB

STA. 807+00 TO STA. 821+00



FINISHED TYPICAL SECTION

IH 43 NB

STA. 821+00 TO STA. 840+00

DRAFT

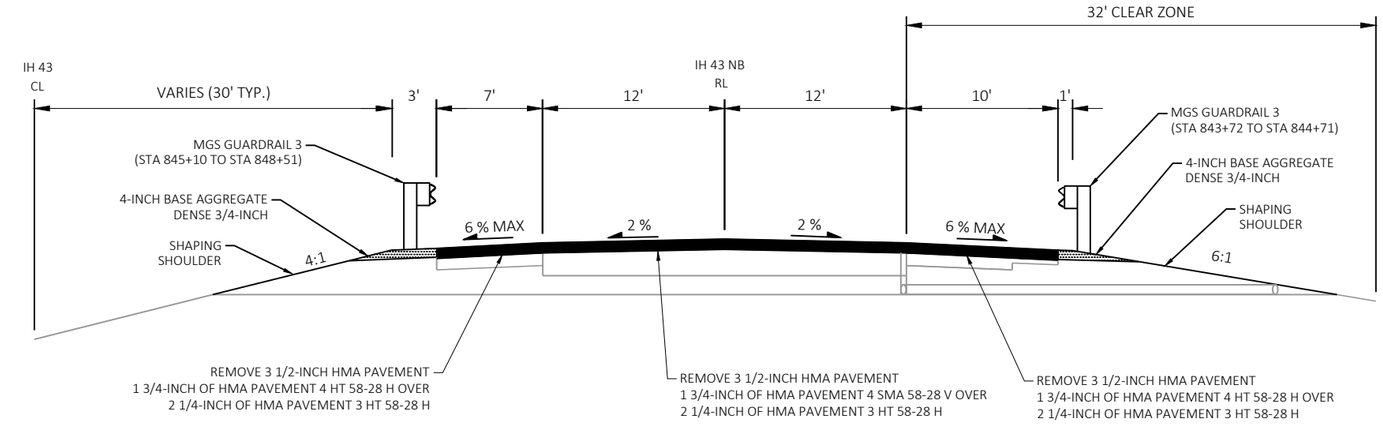
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020321

PLOT DATE : 11/15/2020 7:02 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_25

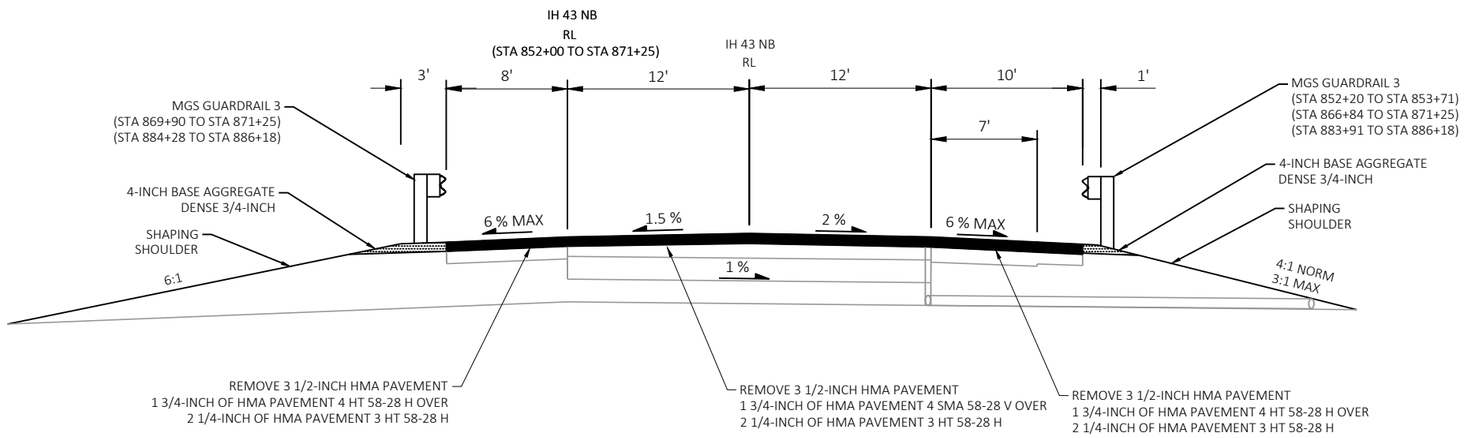
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION

IH 43 NB

STA. 840+00 TO STA. 852+00



FINISHED TYPICAL SECTION

IH 43 NB

STA. 852+00 TO STA. 871+25

STA. 880+35 TO STA. 890+00

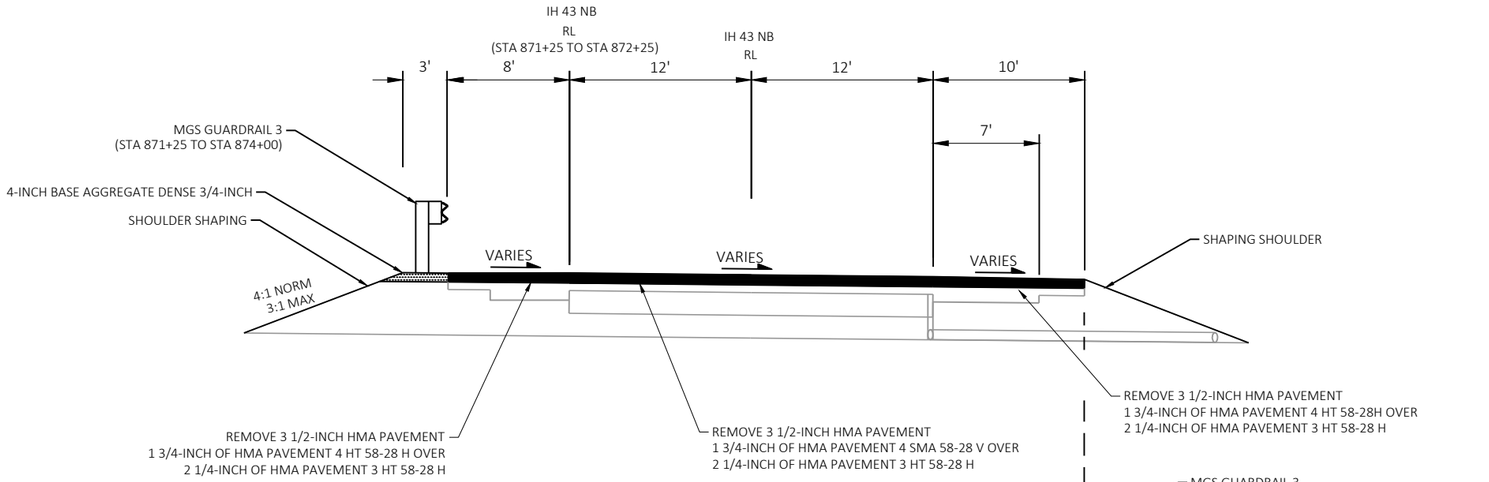
STA. 895+00 TO STA. 899+00

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

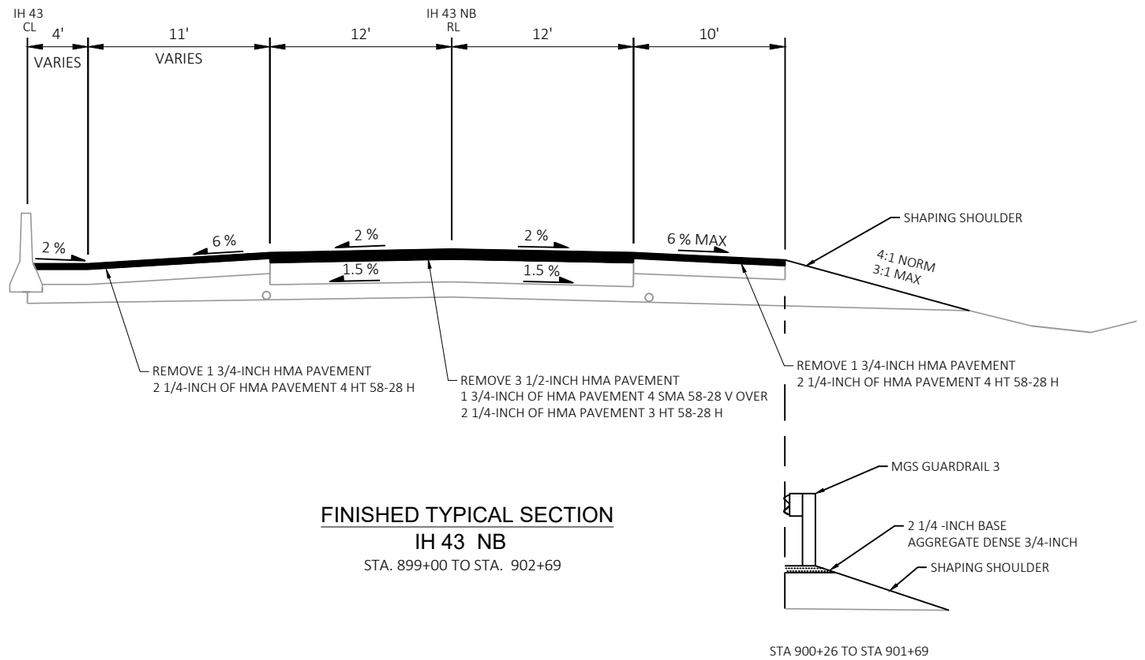
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020322

PLOT DATE : 11/15/2020 7:15 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION
IH 43 NB
STA. 871+25 TO STA. 874+00
STA. 876+40 TO STA. 880+35
STA. 890+00 TO STA. 895+00

STA 871+25 TO STA 873+66



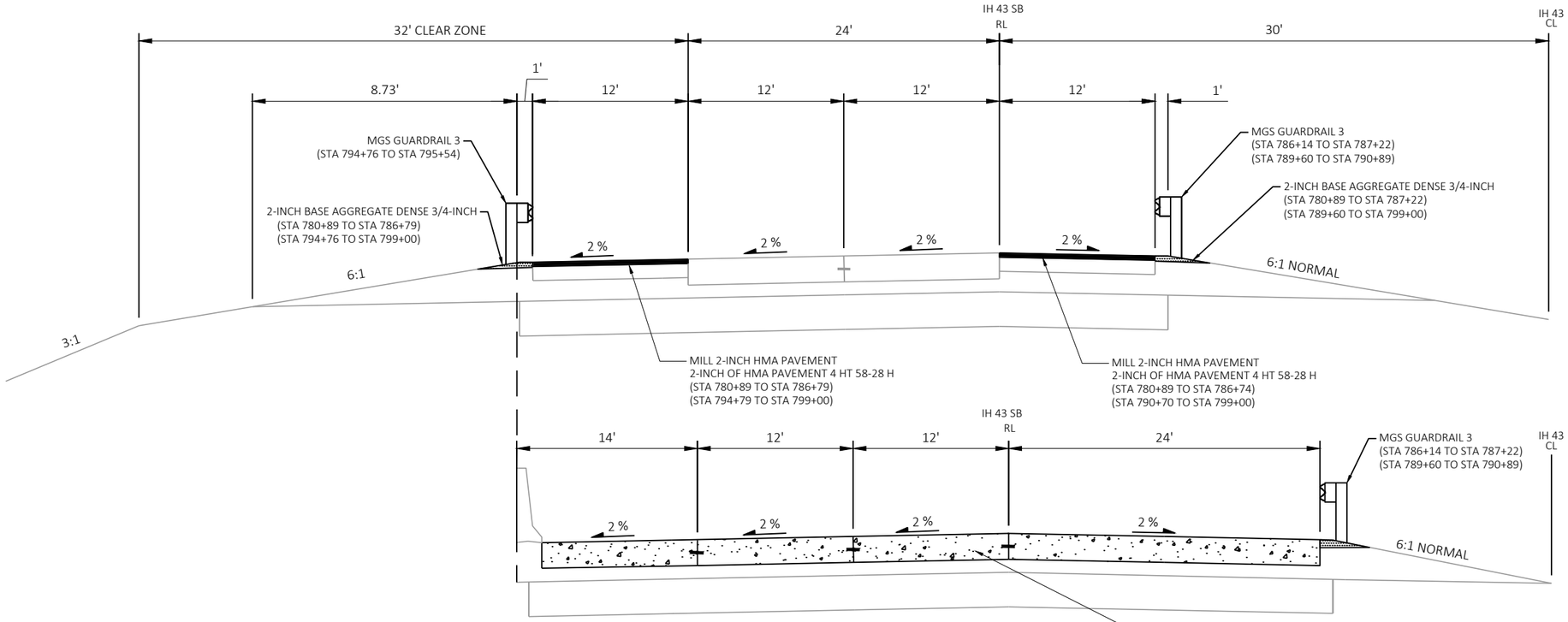
FINISHED TYPICAL SECTION
IH 43 NB
STA. 899+00 TO STA. 902+69

STA 900+26 TO STA 901+69

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

2

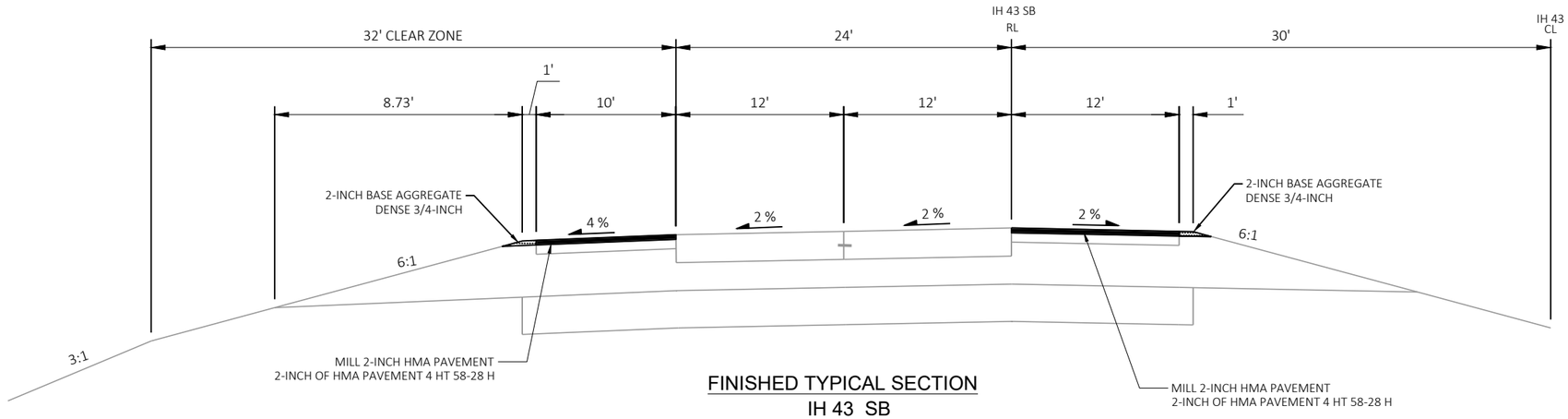


FINISHED TYPICAL SECTION

IH 43 SB

STA. 780+89 TO STA. 787+75

STA. 789+60 TO STA. 799+00



FINISHED TYPICAL SECTION

IH 43 SB

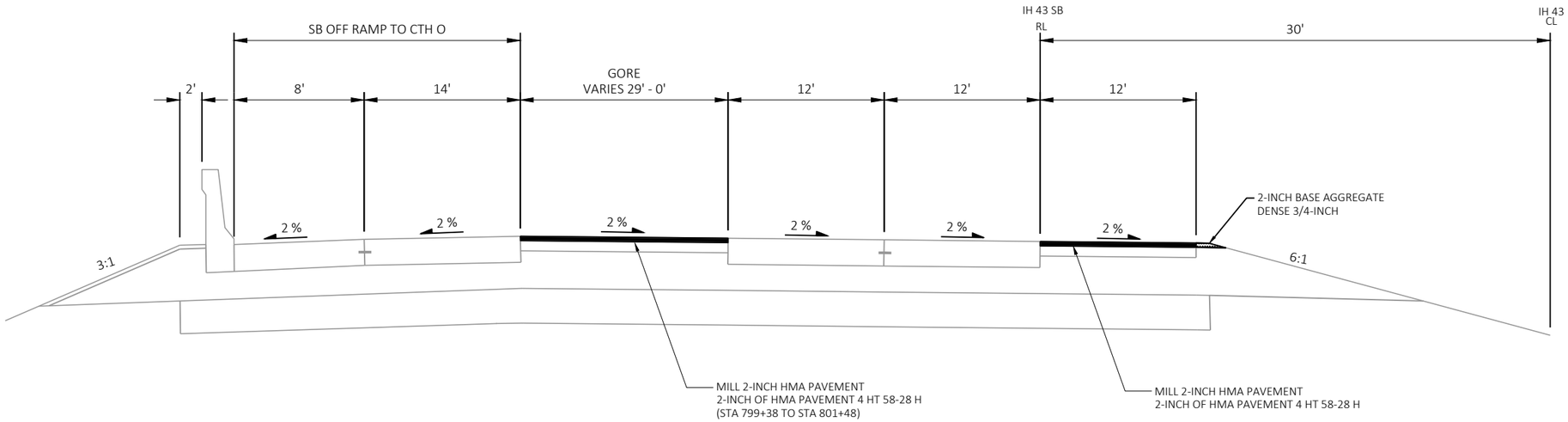
STA. 799+00 TO STA. 799+38

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020324

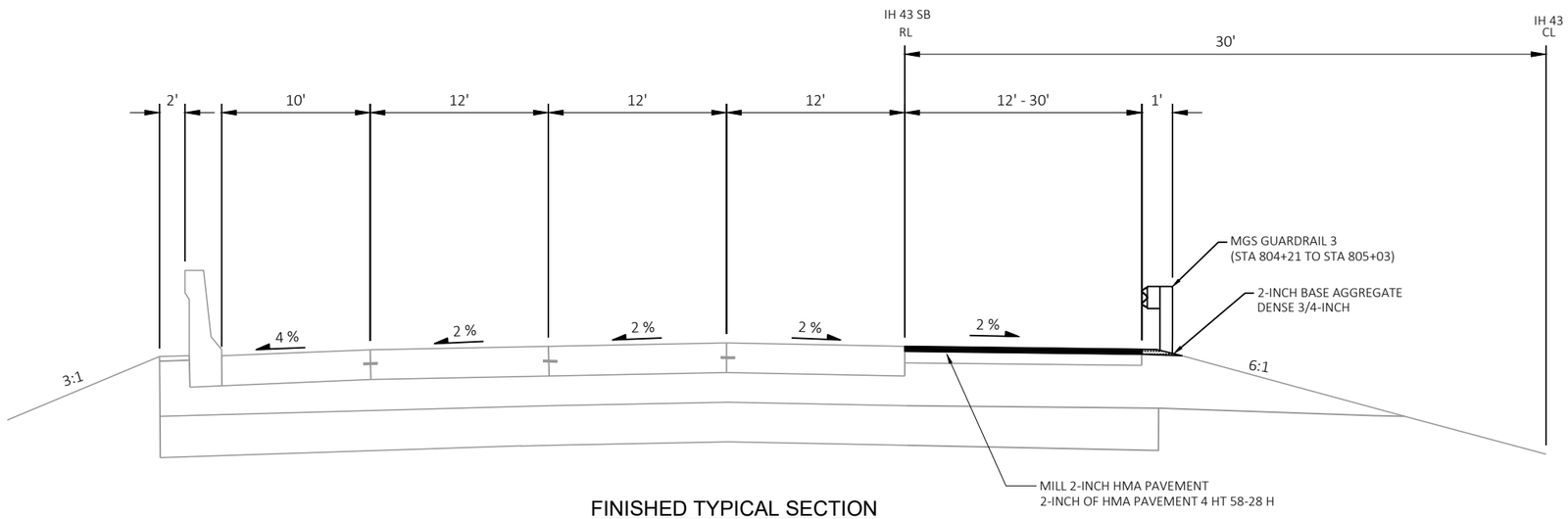
PLOT DATE : 11/15/2020 7:04 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION

IH 43 SB

STA. 799+38 TO STA. 802+36



FINISHED TYPICAL SECTION

IH 43 SB

STA. 802+36 TO STA. 805+03

DRAFT

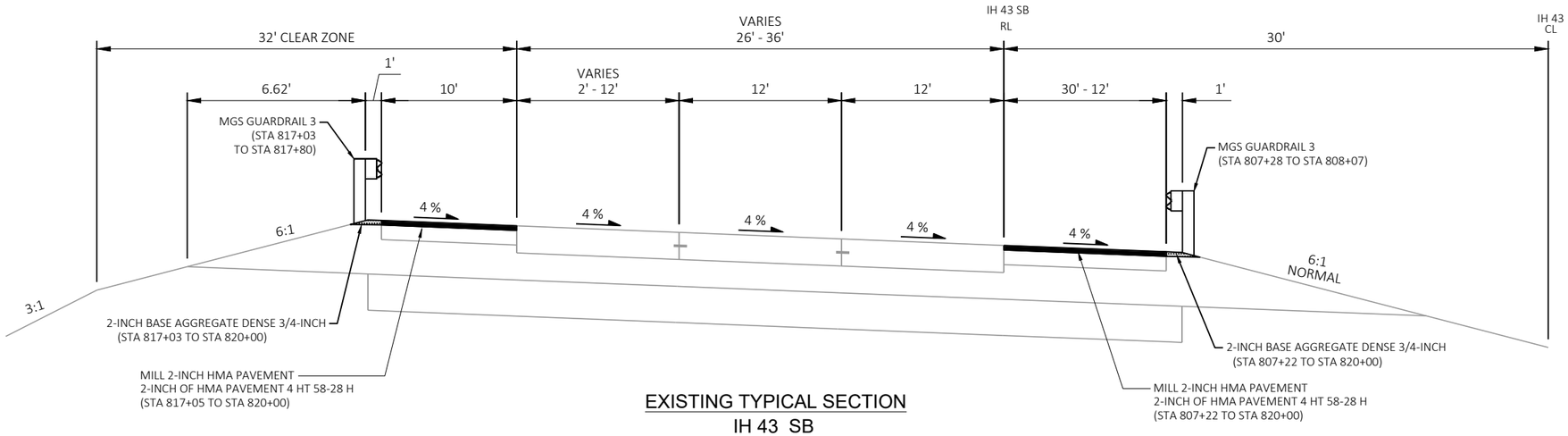
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020325

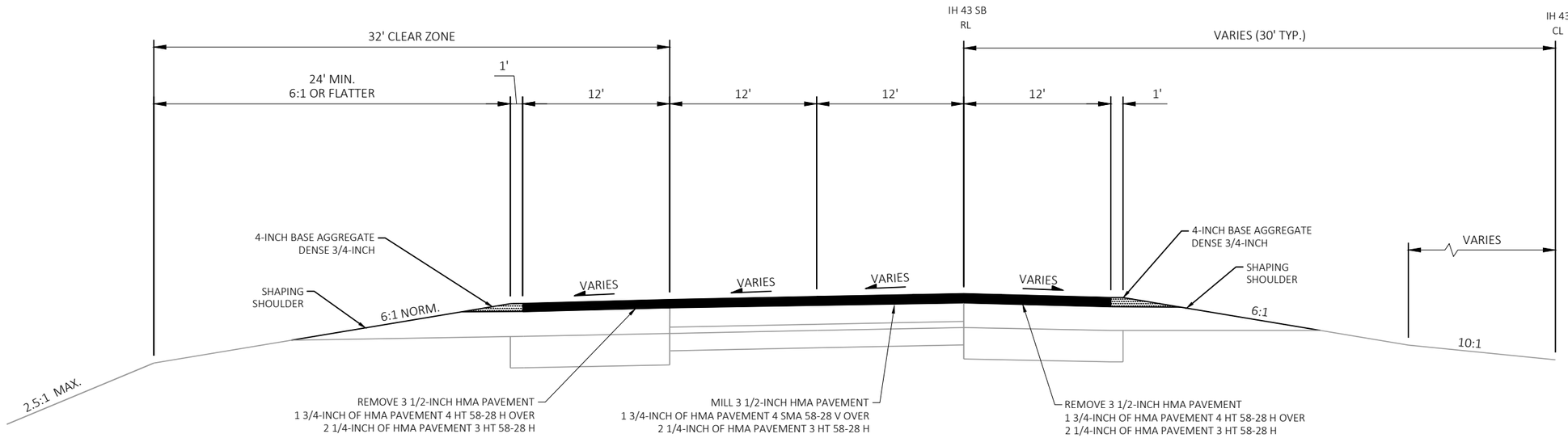
PLOT DATE : 11/15/2020 7:05 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_29

WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION
IH 43 SB
STA. 807+00 TO STA. 820+00



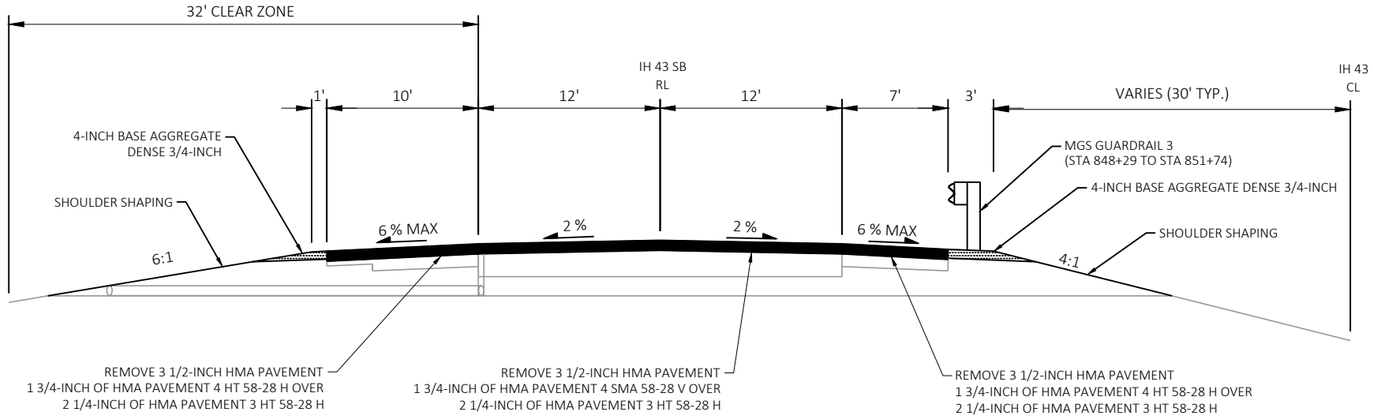
FINISHED TYPICAL SECTION
IH 43 SB
STA. 820+00 TO STA. 840+00

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET PRE_30 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020326
PLOT DATE : 11/15/2020 7:06 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

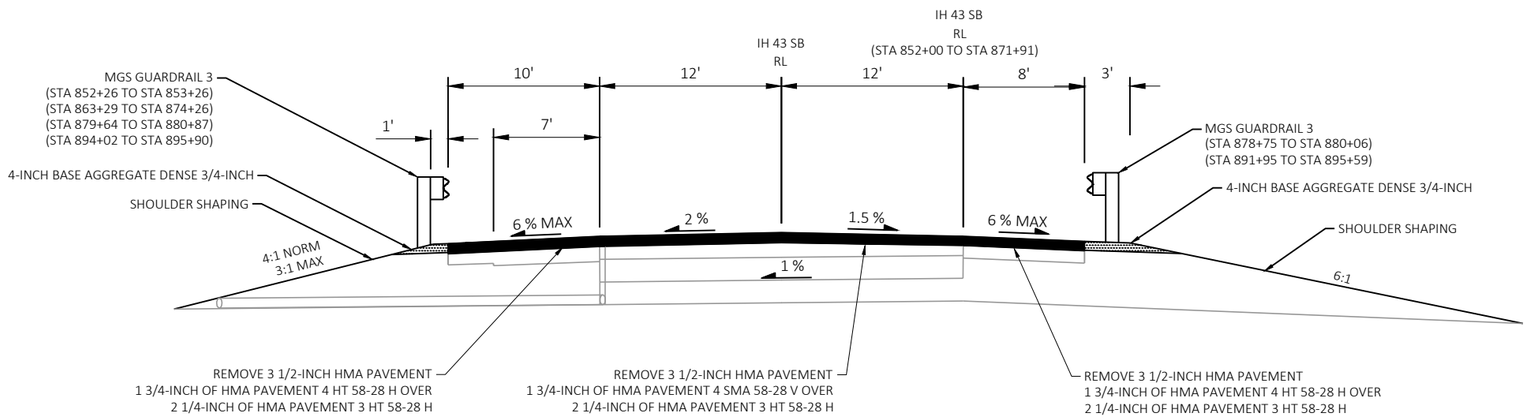
2



FINISHED TYPICAL SECTION

IH 43 SB

STA. 840+00 TO STA. 852+00



FINISHED TYPICAL SECTION

IH 43 SB

STA. 852+00 TO STA. 875+00
STA. 878+50 TO STA. 883+30
STA. 890+50 TO STA. 895+90

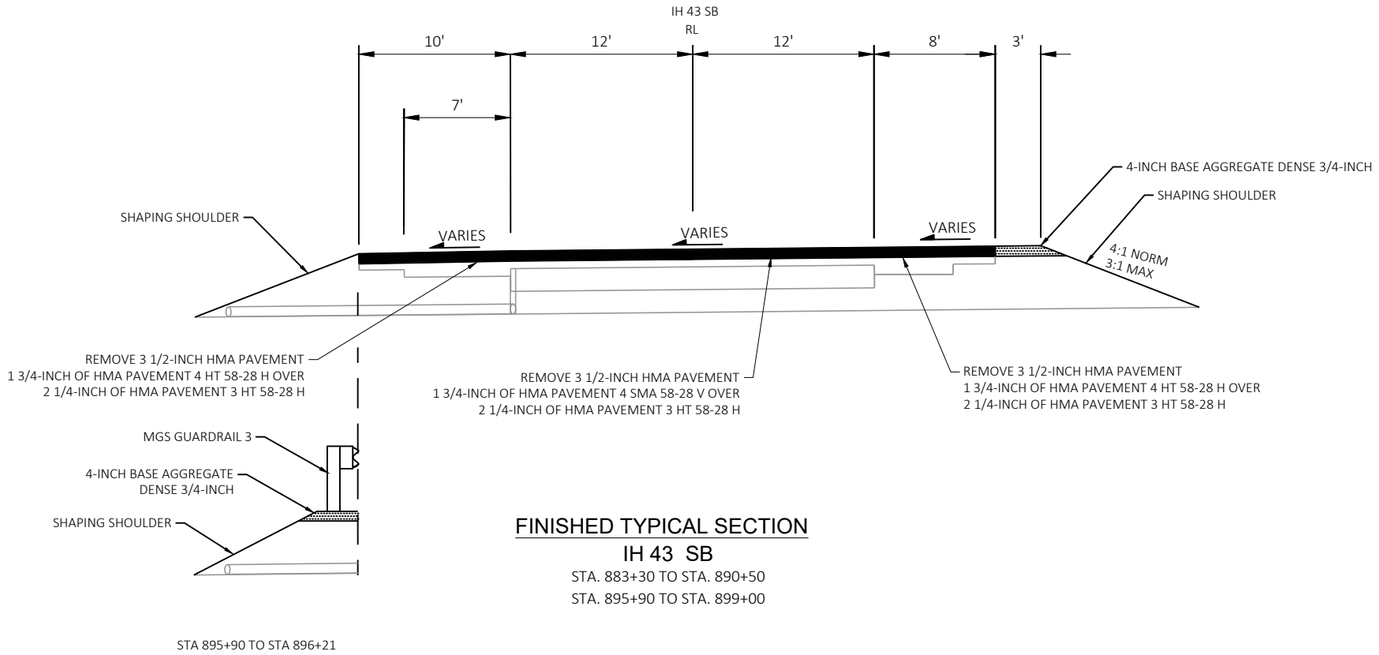
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020327

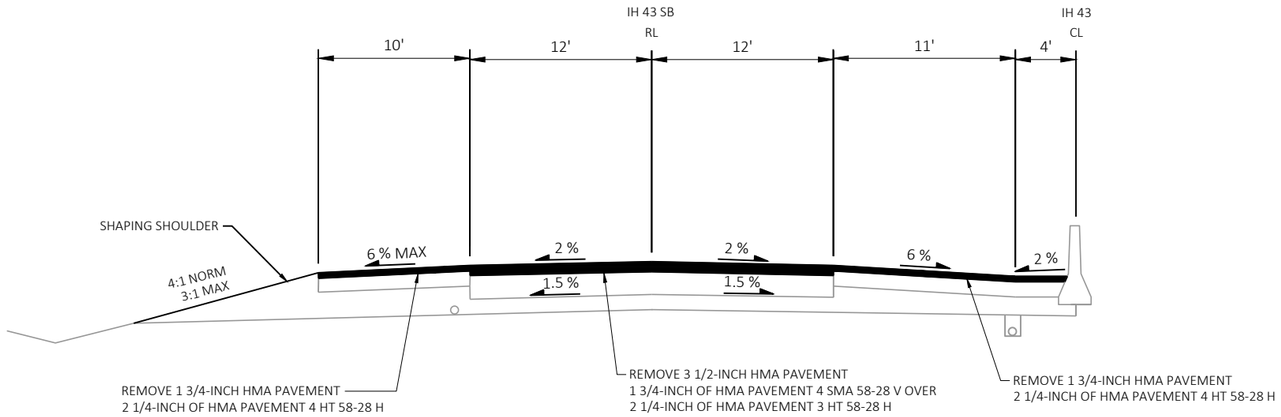
PLOT DATE : 11/15/2020 7:16 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



STA 895+90 TO STA 896+21

FINISHED TYPICAL SECTION
IH 43 SB
STA. 883+30 TO STA. 890+50
STA. 895+90 TO STA. 899+00

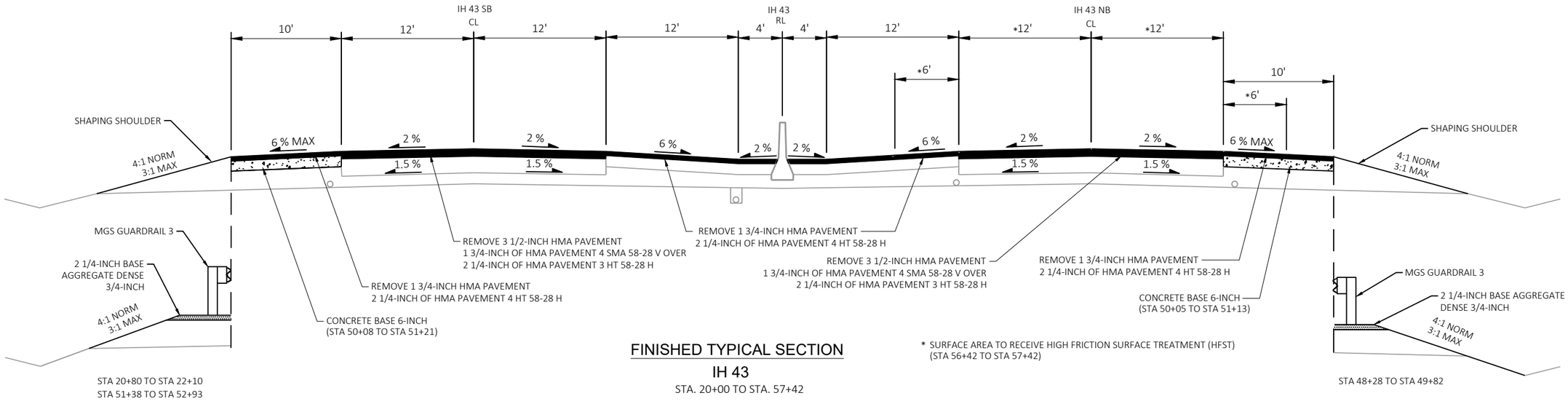


FINISHED TYPICAL SECTION
IH 43 SB
STA. 899+00 TO STA. 902+69

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

2



STA 20+80 TO STA 22+10
STA 51+38 TO STA 52+93

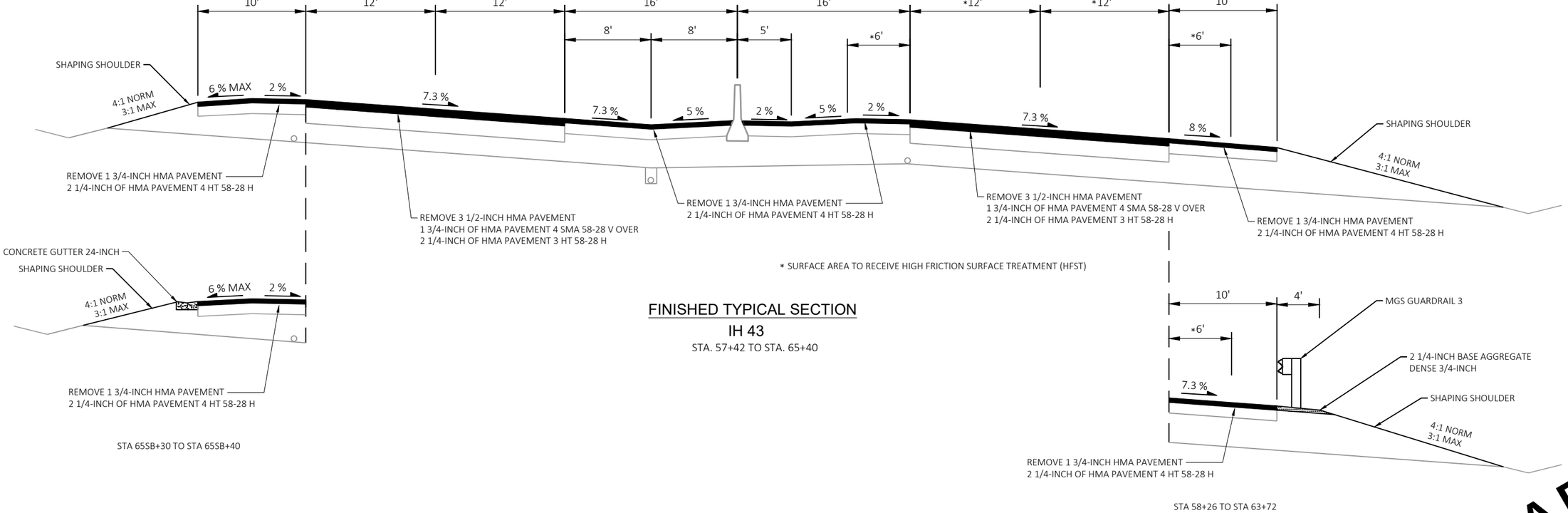
STA 48+28 TO STA 49+82

FINISHED TYPICAL SECTION

IH 43

STA. 20+00 TO STA. 57+42

* SURFACE AREA TO RECEIVE HIGH FRICTION SURFACE TREATMENT (HFST)
(STA 56+42 TO STA 57+42)



* SURFACE AREA TO RECEIVE HIGH FRICTION SURFACE TREATMENT (HFST)

STA 65SB+30 TO STA 65SB+40

STA 58+26 TO STA 63+72

FINISHED TYPICAL SECTION

IH 43

STA. 57+42 TO STA. 65+40

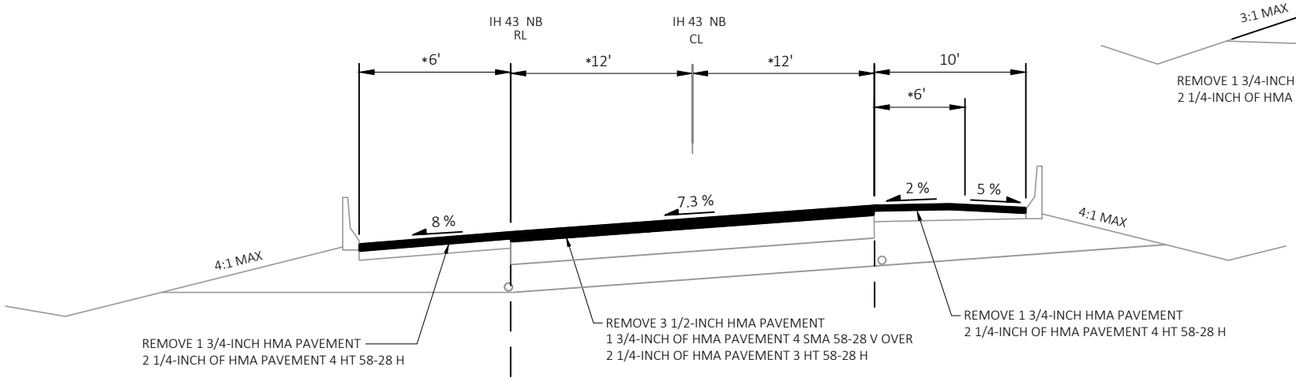
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET PRE_33 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020329

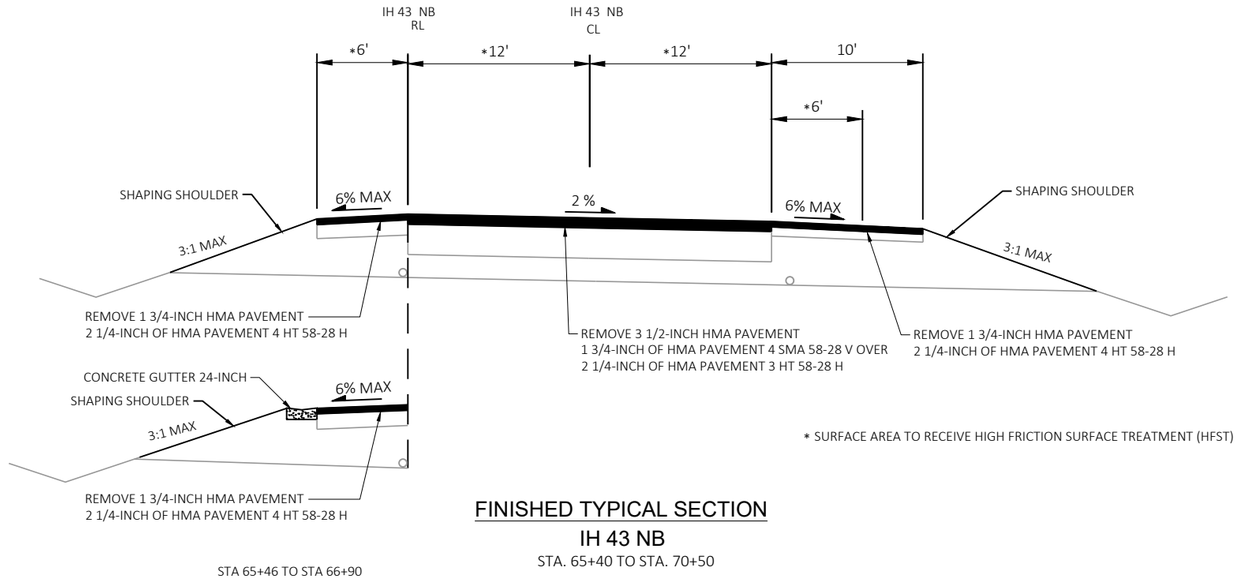
PLOT DATE : 11/6/2020 3:13 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



* SURFACE AREA TO RECEIVE HIGH FRICTION SURFACE TREATMENT (HFST)

FINISHED TYPICAL SECTION
IH 43 NB
STA. 65+40 TO STA. 70+50



* SURFACE AREA TO RECEIVE HIGH FRICTION SURFACE TREATMENT (HFST)

STA 65+46 TO STA 66+90

FINISHED TYPICAL SECTION
IH 43 NB
STA. 70+50 TO STA. 86+50



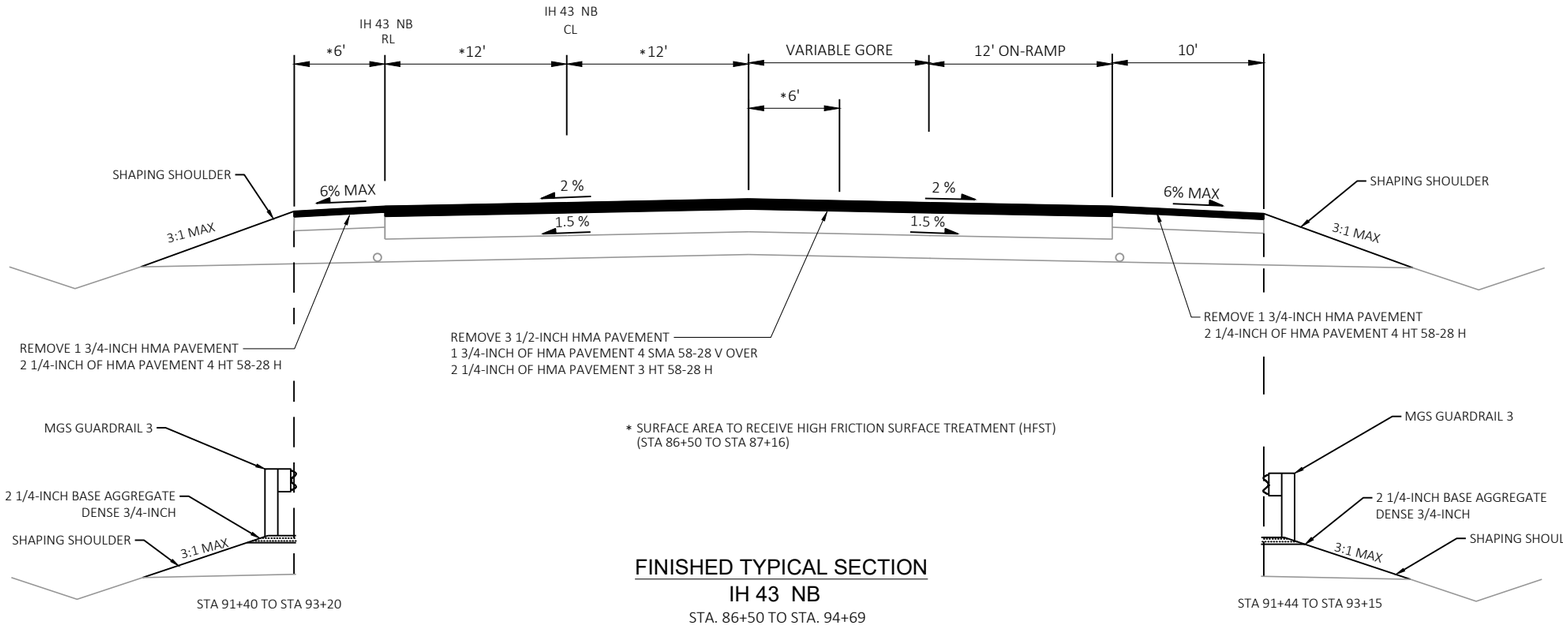
STA 70+55 TO STA 71+35
STA 78+90 TO STA 84+30

STA 71+16 TO STA 71+96
STA 78+88 TO STA 83+50

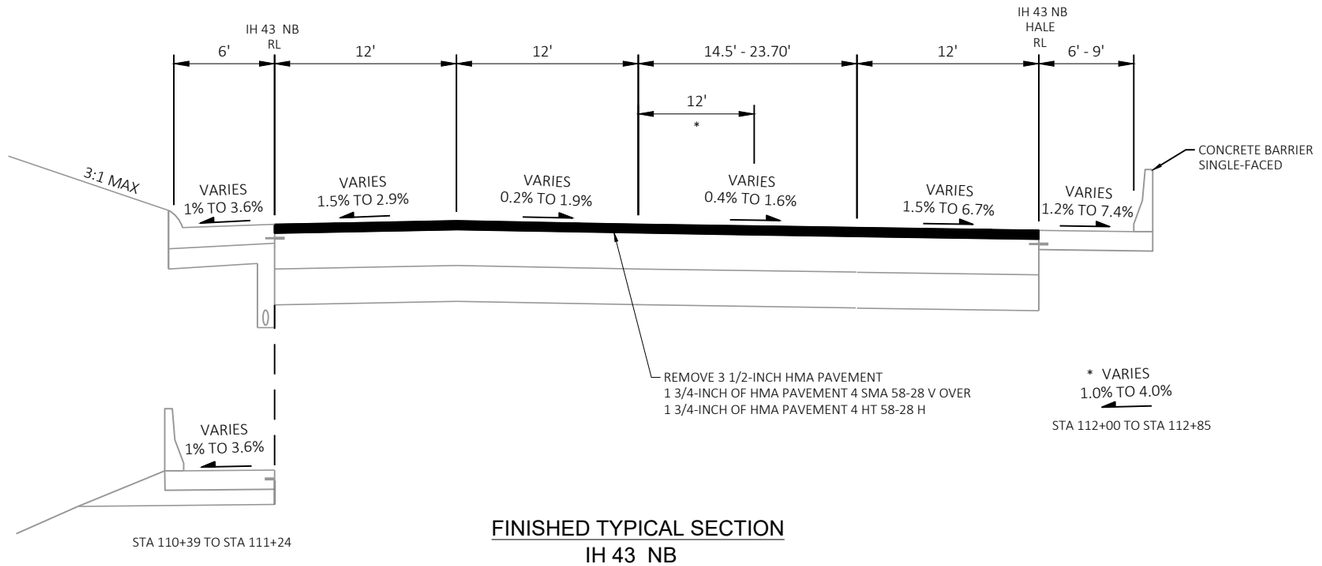
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020330
PLOT DATE : 11/15/2020 7:10 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION
IH 43 NB
STA. 86+50 TO STA. 94+69



FINISHED TYPICAL SECTION
IH 43 NB
STA. 110+39 TO STA. 112+85

DRAFT

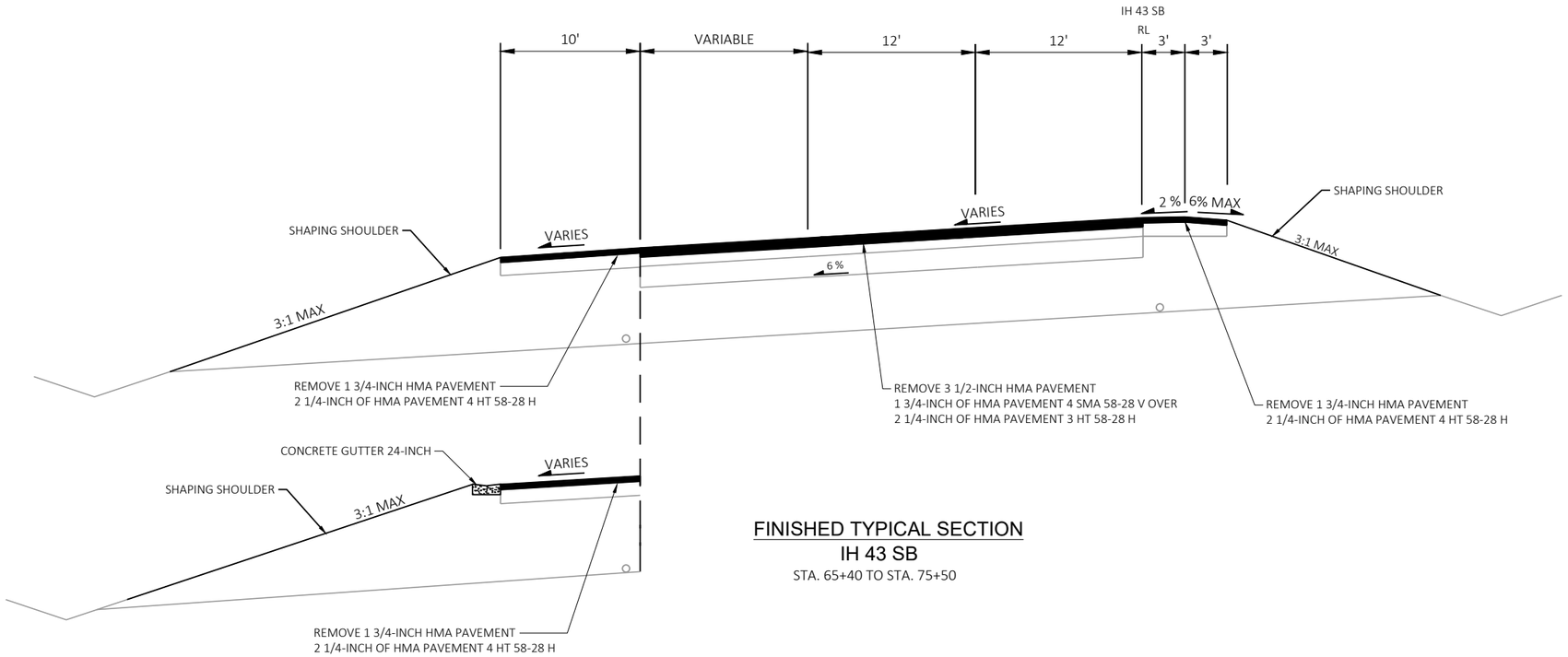
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020331

PLOT DATE : 11/30/2020 12:49 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

PRE_35

WISDOT/CADDS SHEET 42

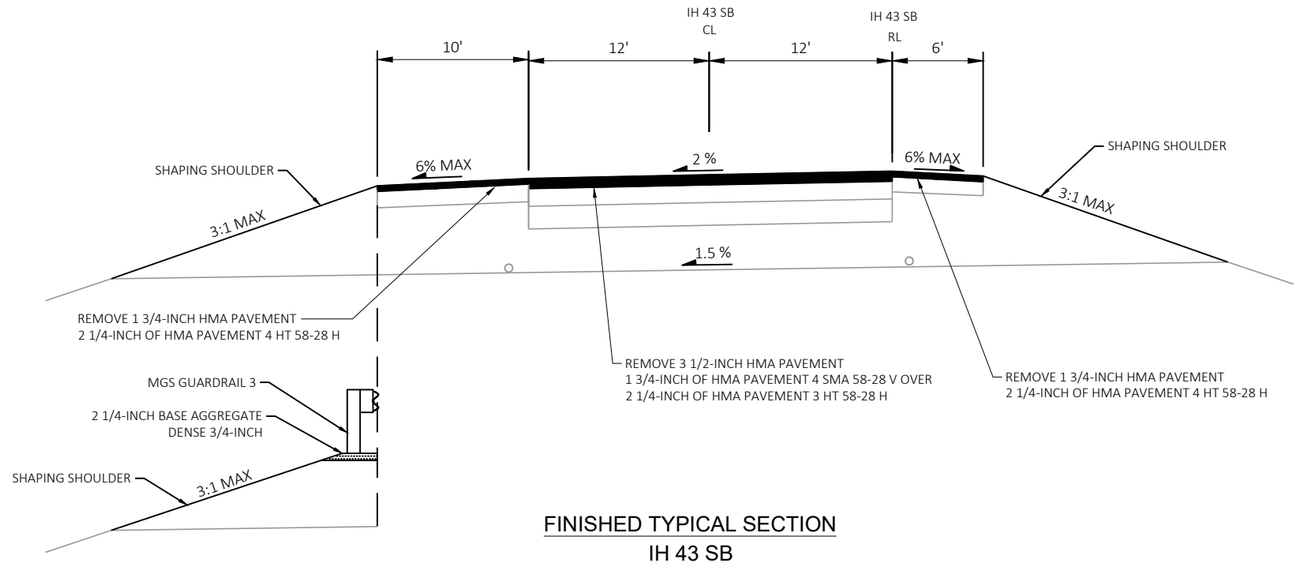


FINISHED TYPICAL SECTION

IH 43 SB

STA. 65+40 TO STA. 75+50

STA 65+40 TO STA 67+40



FINISHED TYPICAL SECTION

IH 43 SB

STA. 75+50 TO STA. 76+48

STA. 78+22 TO STA. 81+25

STA 78+45 TO STA 80+78

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET

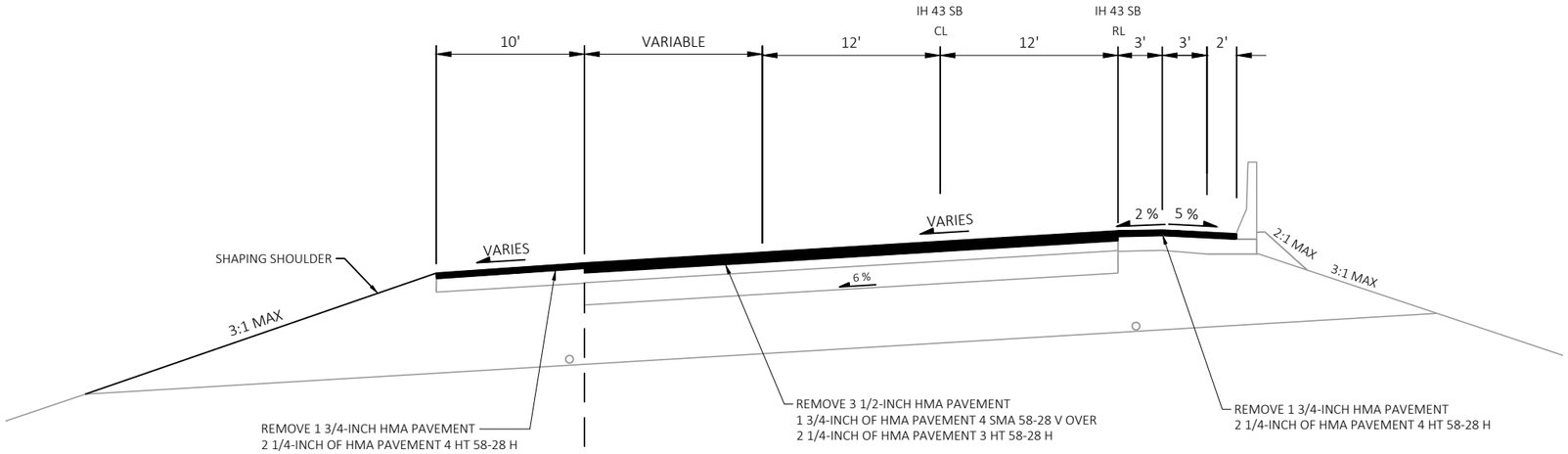
PRE_36

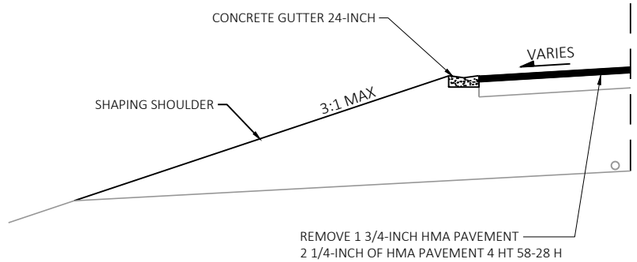
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FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020332

PLOT DATE : 11/15/2020 7:12 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

2





STA 83+40 TO STA 89+60

FINISHED TYPICAL SECTION

IH 43 SB

STA. 81+25 TO STA. 92+51

DRAFT

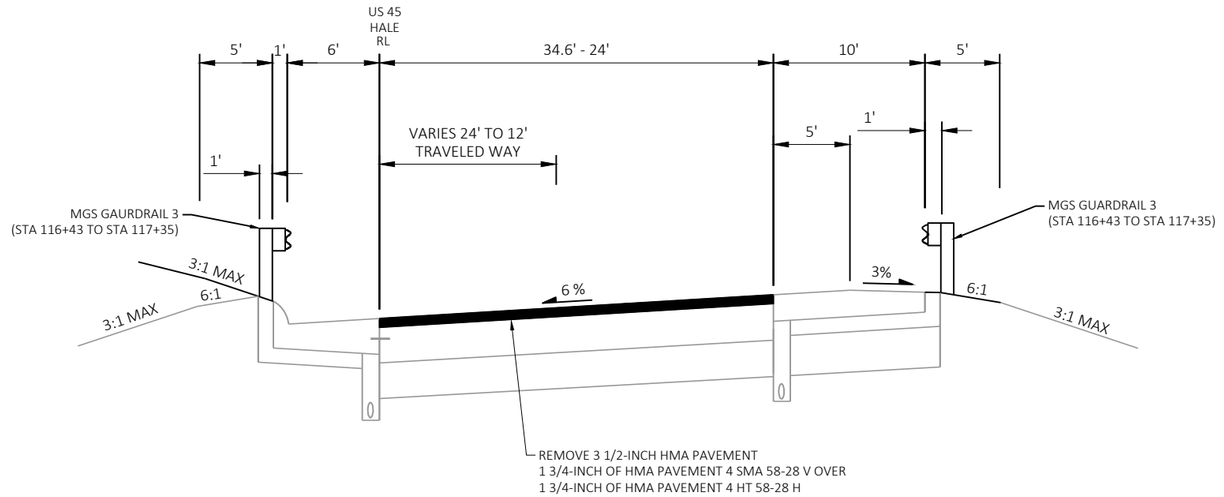
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

PRE_37

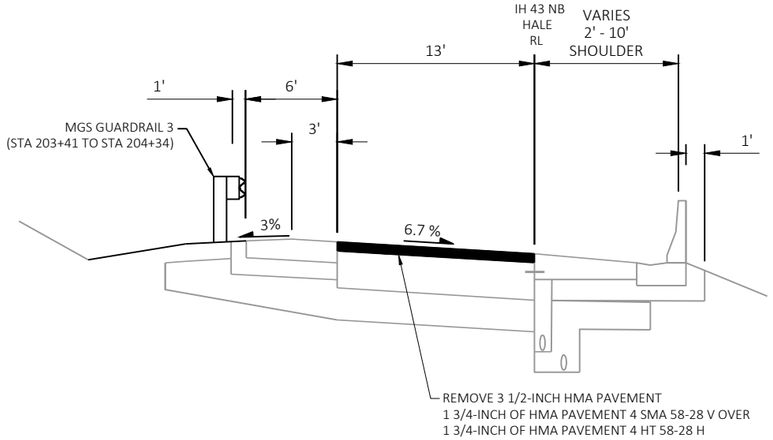
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LAYOUT NAME - 020333

PLOT DATE : 11/6/2020 3:29 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

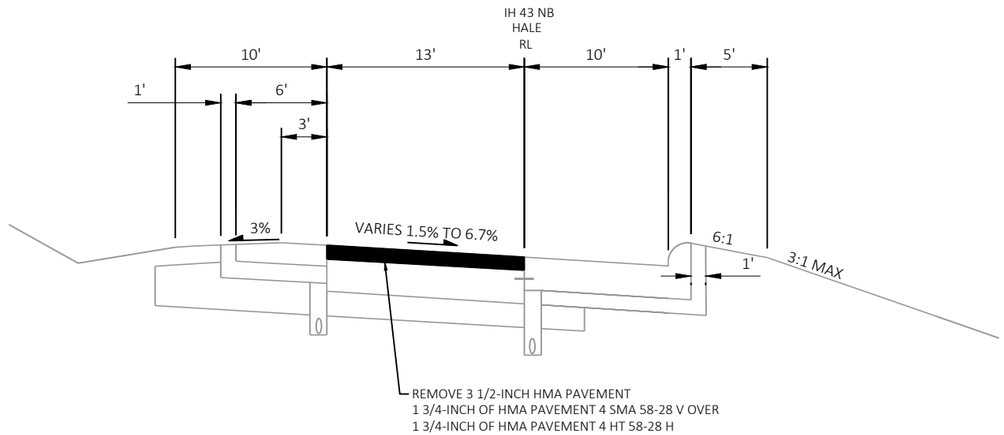
2



FINISHED TYPICAL SECTION
W-N RAMP (HALE INTERCHANGE)
STA. 112NB+85 TO STA. 118NB+85



FINISHED TYPICAL SECTION
W-E RAMP (HALE INTERCHANGE)
STA. 203NB+40 TO STA. 205NB+18



FINISHED TYPICAL SECTION
W-E RAMP (HALE INTERCHANGE)
STA. 208NB+81 TO STA. 210NB+80

DRAFT

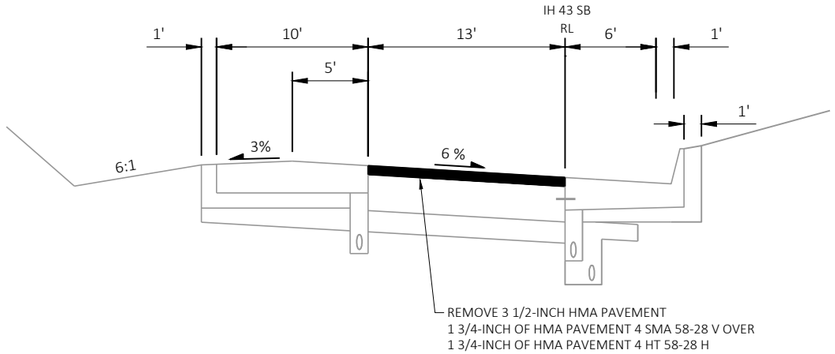
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

PRE_38

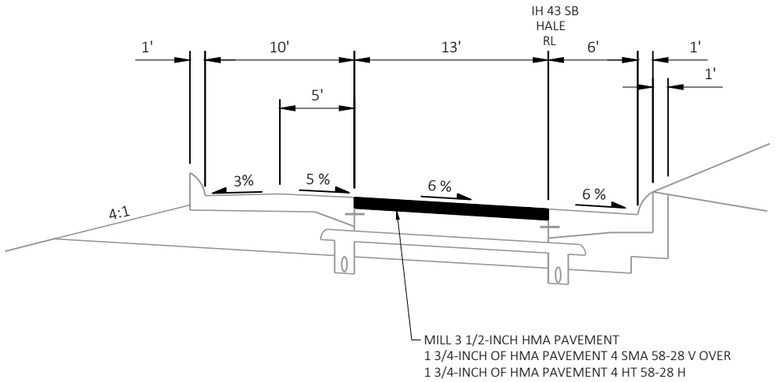
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020334

PLOT DATE : 11/30/2020 12:50 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

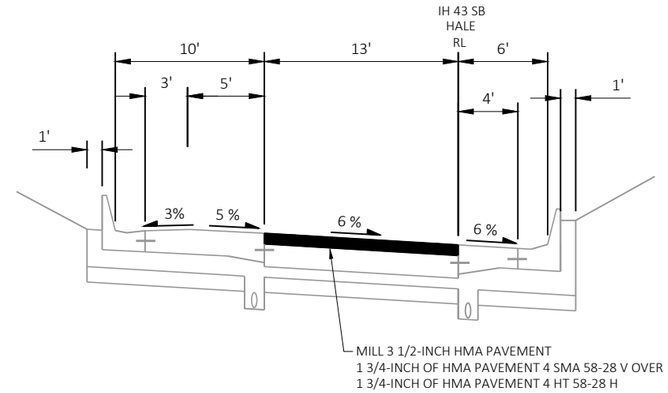
2



FINISHED TYPICAL SECTION
E-W RAMP (HALE INTERCHANGE)
STA. 110SB+47 TO STA. 111SB+46



FINISHED TYPICAL SECTION
E-W RAMP (HALE INTERCHANGE)
STA. 111SB+46 TO STA. 112SB+12

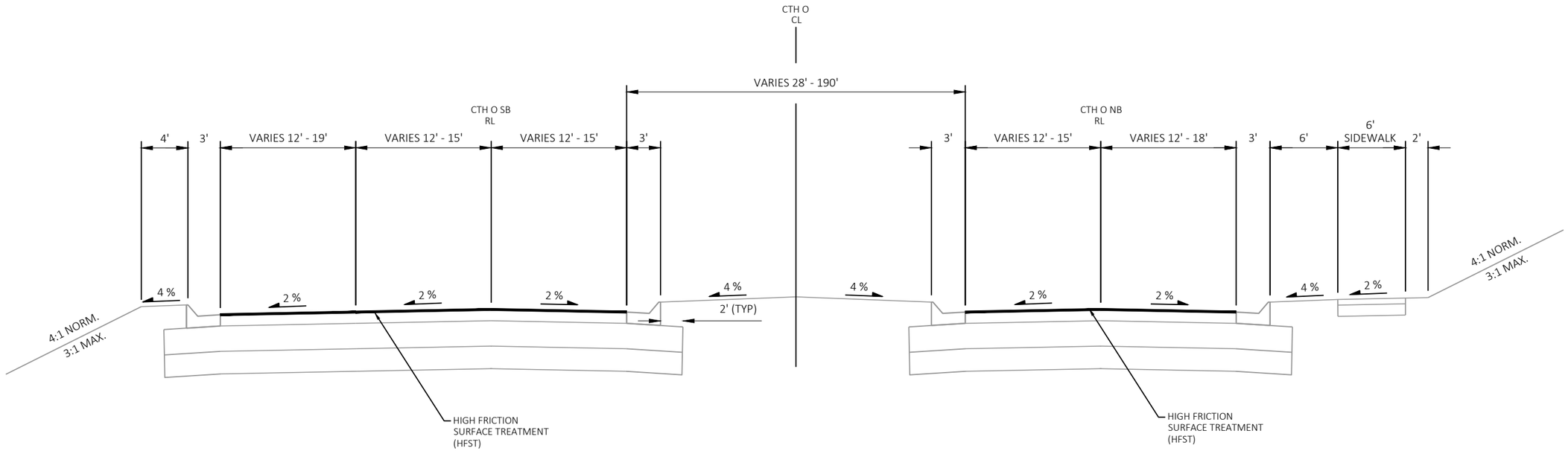


FINISHED TYPICAL SECTION
E-W RAMP (HALE INTERCHANGE)
STA. 112SB+12 TO STA. 119SB+07

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

2



FINISHED TYPICAL SECTIONS

CTH O

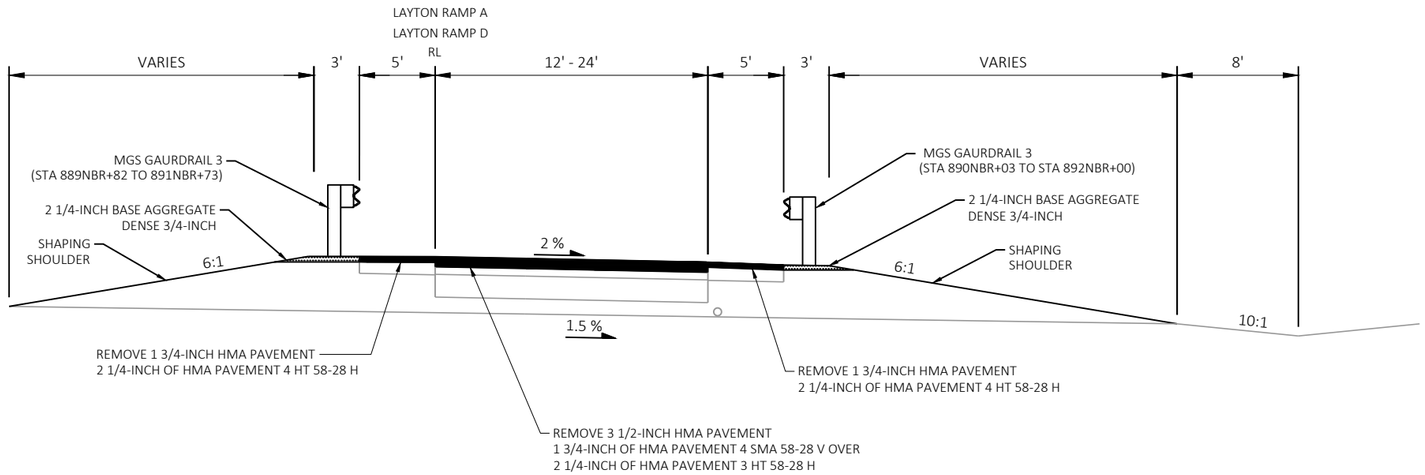
STA. 32+69 TO STA. 34+63

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

PRE_40

2



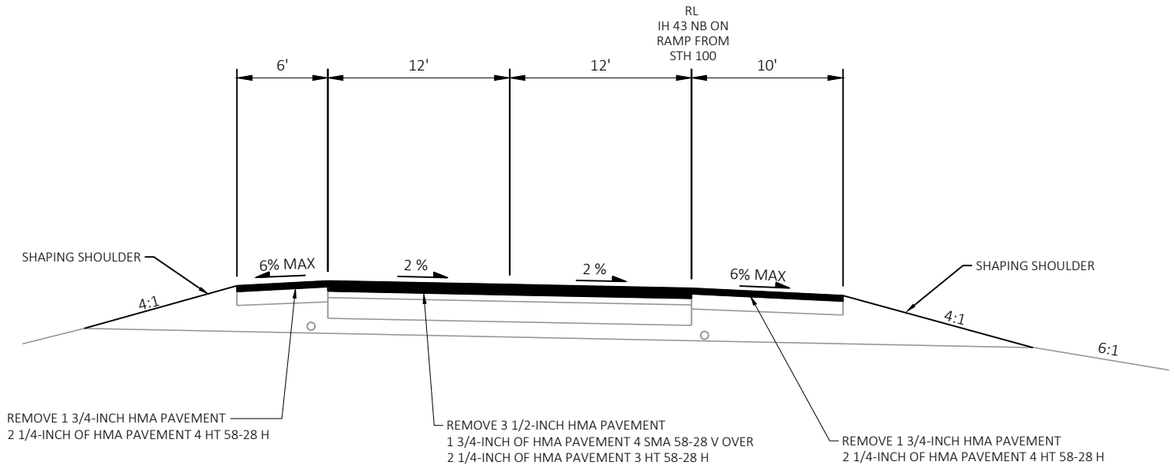
FINISHED TYPICAL SECTION
LAYTON RAMP D
LAYTON RAMP A

DRAFT

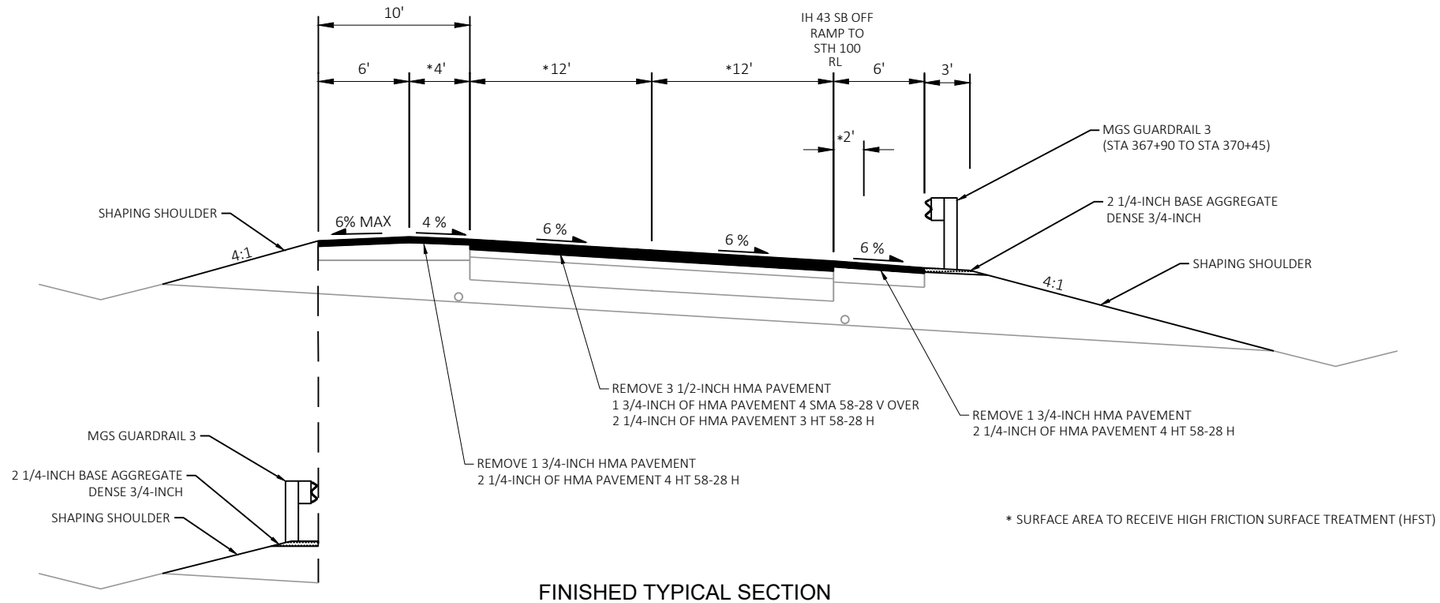
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET

PRE_41 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020337
PLOT DATE : 11/6/2020 3:37 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION
IH 43 NB ON RAMP FROM STH 100



* SURFACE AREA TO RECEIVE HIGH FRICTION SURFACE TREATMENT (HFST)

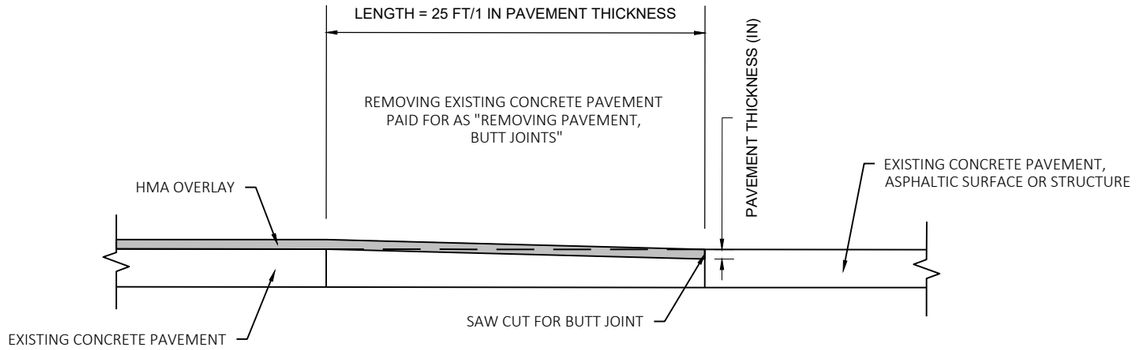
FINISHED TYPICAL SECTION
IH 43 SB OFF RAMP TO STH 100

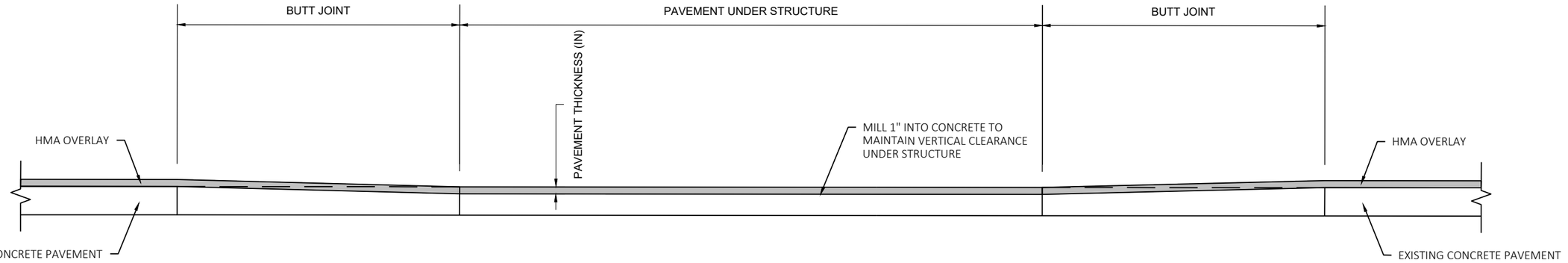
STA 367+93 TO STA 370+53
STA 373+36 TO STA 374+25

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TYPICAL SECTIONS	SHEET E

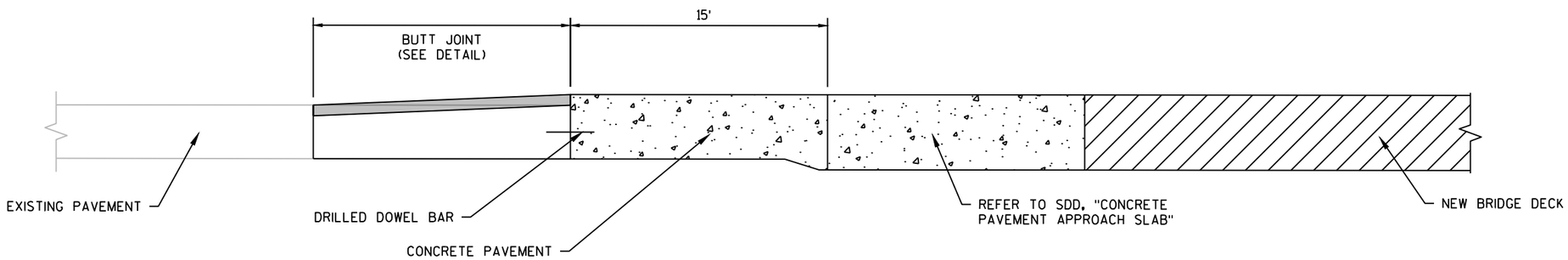
2





UNDER STRUCTURES:
B-67-103, B-40-376, B-40-377, B-40-300, B-40-301, B-40-302

BUTT JOINT DETAIL



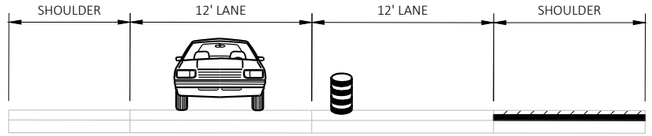
BRIDGE APPROACH DETAIL

B-67-103

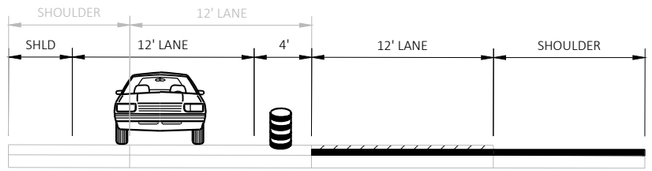
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CONSTRUCTION DETAILS	SHEET PRE_43 E

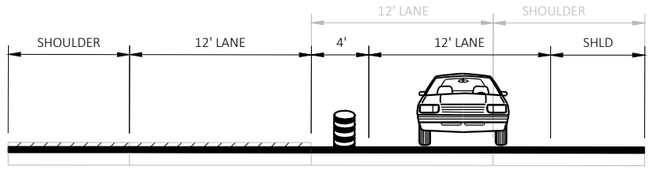
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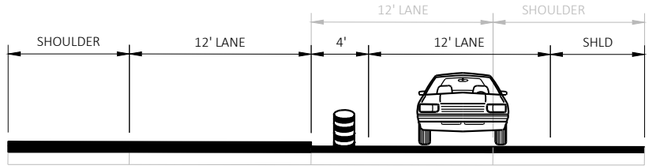
MILL INSIDE SHOULDER
PLACE BINDER (STA 821+00 TO STA 899+00)



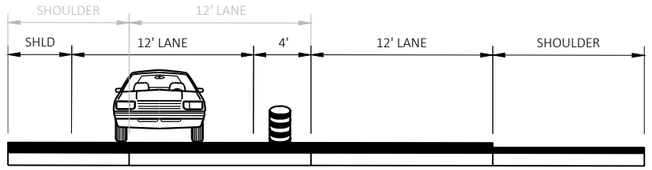
MILL INSIDE LANE
PLACE BINDER



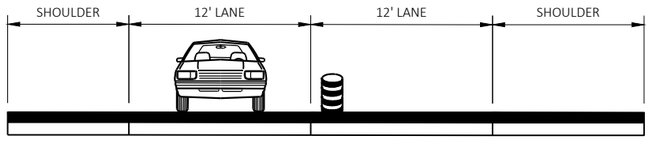
MILL OUTSIDE LANE & SHOULDER
PLACE BINDER (STA 821+00 TO STA 899+00)



PLACE SURFACE LAYER (OUTSIDE LANE & SHOULDER)



PLACE SURFACE LAYER (INSIDE LANE)



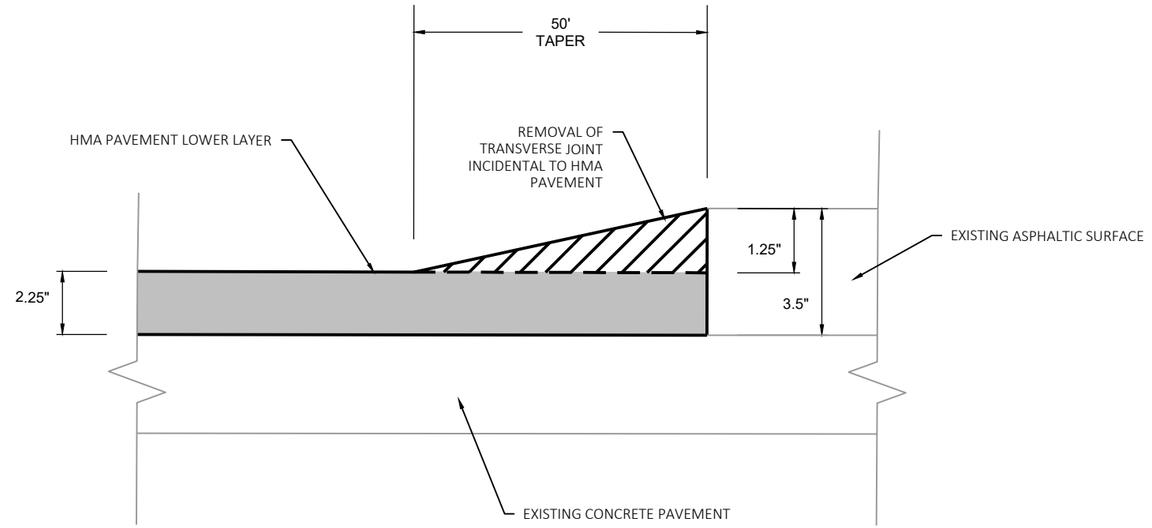
PLACE SURFACE LAYER (INSIDE SHOULDER)

PAVING SEQUENCE

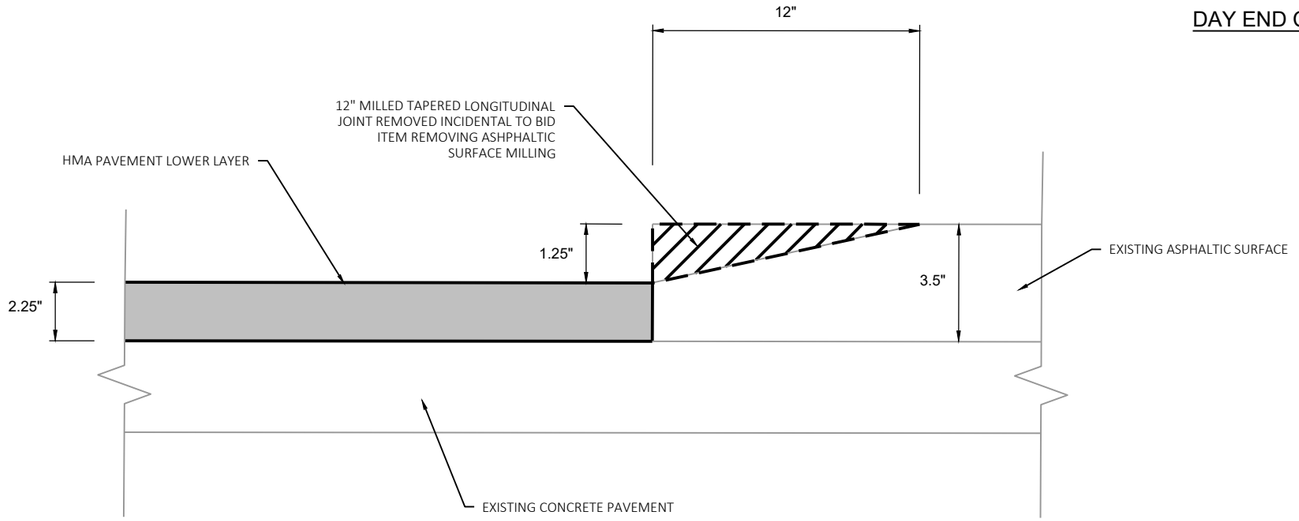
SB DIRECTION SHOWN (MIRROR FOR NB DIRECTION)

DRAFT

2



DAY END CONSTRUCTION - TRANSVERSE JOINT DETAIL



DAY END CONSTRUCTION - MILLED WEDGE LONGITUDINAL JOINT DETAIL

DRAFT

2

2

N

MOORLAND ROAD (CTH O)

34NB+50

34NB+75

35NB+00

35NB+25

IH 43 SB OFF RAMP TO MOORLAND ROAD

34+43.92, 23.16' RT
871.28 (MATCH EXISTING)

1.6%

1.5%

1.7%

34+42.77, 29.15' RT
871.37 (MATCH EXISTING)

34+56.02, 28.96' RT
871.02 (MATCH EXISTING)

34+52.71, 34.33' RT
871.14 (MATCH EXISTING)

34+69.91, 41.35' RT
871.03 (MATCH EXISTING)

34+65.22, 46.52' RT
871.01 (MATCH EXISTING)

0.4%

0.8%

34+73.45, 44.48' RT
871.05 (MATCH EXISTING)

34+69.12, 49.97' RT
871.05 (MATCH EXISTING)

35+52.90, 80.17' RT
869.98 (MATCH EXISTING)

35+39.03, 88.64' RT
869.49

35+31.80, 83.73' RT
869.09 (MATCH EXISTING)

35+24.00, 88.49' RT
869.09 (MATCH EXISTING)

35+30.95, 93.28' RT
869.40

1.9%

4.1%

4.3%

6.1%

1.5%

4.6%

35+59.57, 84.37' RT
870.09 (MATCH EXISTING)

35+46.03, 92.92' RT
869.59

SLOPE INTERCEPT

35+37.94, 97.72' RT
869.49

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CONSTRUCTION DETAILS	SHEET E

PRE_46

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 021001

PLOT DATE : 11/4/2020 8:56 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

REMOVAL LEGEND

- REMOVING CONCRETE PAVEMENT
- REMOVING ASPHALTIC SURFACE MILLING
- SW01 SAWING ASPHALT
- SW02 SAWING CONCRETE

774SB 776SB 778SB 780SB 782SB 784SB 786SB 788SB

774NB 776NB 778NB 780NB 782NB 784NB 786NB 788NB

IH 43 WB

IH 43 EB

SW01 SW02

REMOVING GUARDRAIL

BEGIN PROJECT 1090-08-71
STA 780NB+00

30SB

MATCHLINE 788NB+50

28SB 28NB

S MOORLAND RD

32SB 32NB 34NB

REMOVING CONCRETE SIDEWALK

790SB 792SB 794SB 796SB 798SB 800SB 802SB

790NB 792NB 794NB 796NB 798NB 800NB 802NB

30NB

MATCHLINE 803NB+50

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021101

PLOT DATE : 11/25/2020 11:05 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

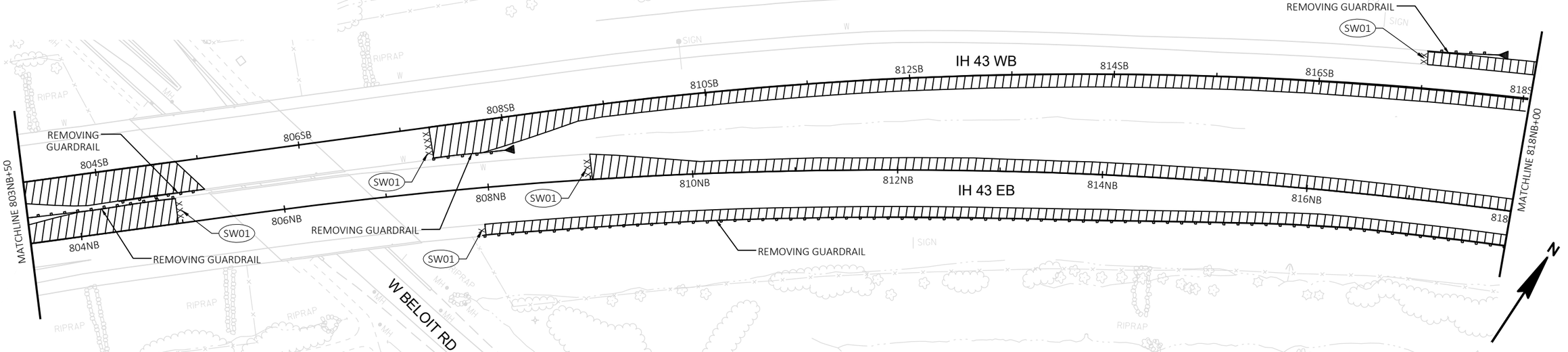
PRE_47

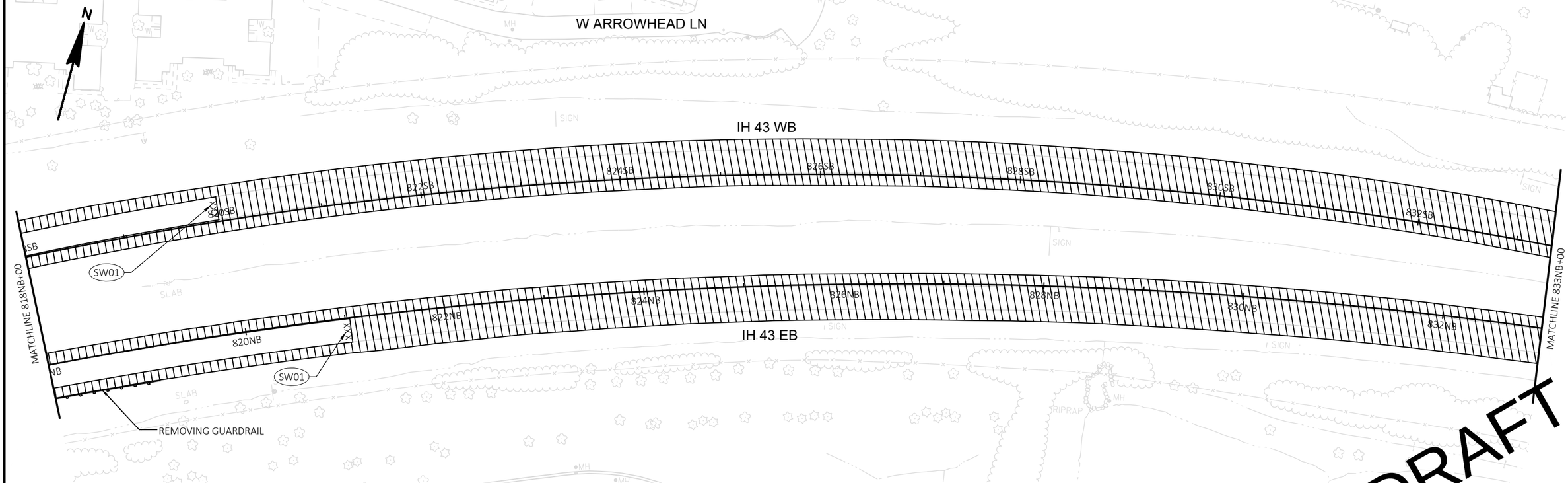
WISDOT/CADDS SHEET 42

REMOVAL LEGEND

REMOVING ASPHALTIC SURFACE MILLING

SW01 SAWING ASPHALT





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_48

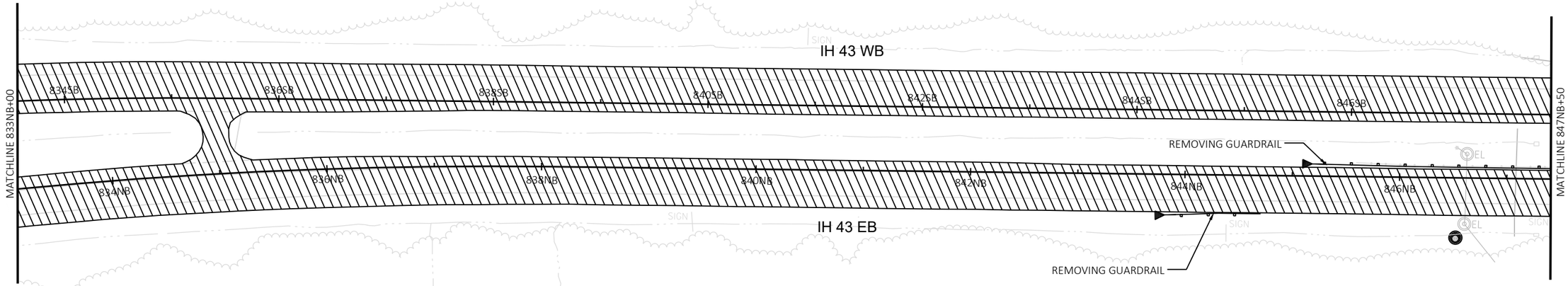
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021102

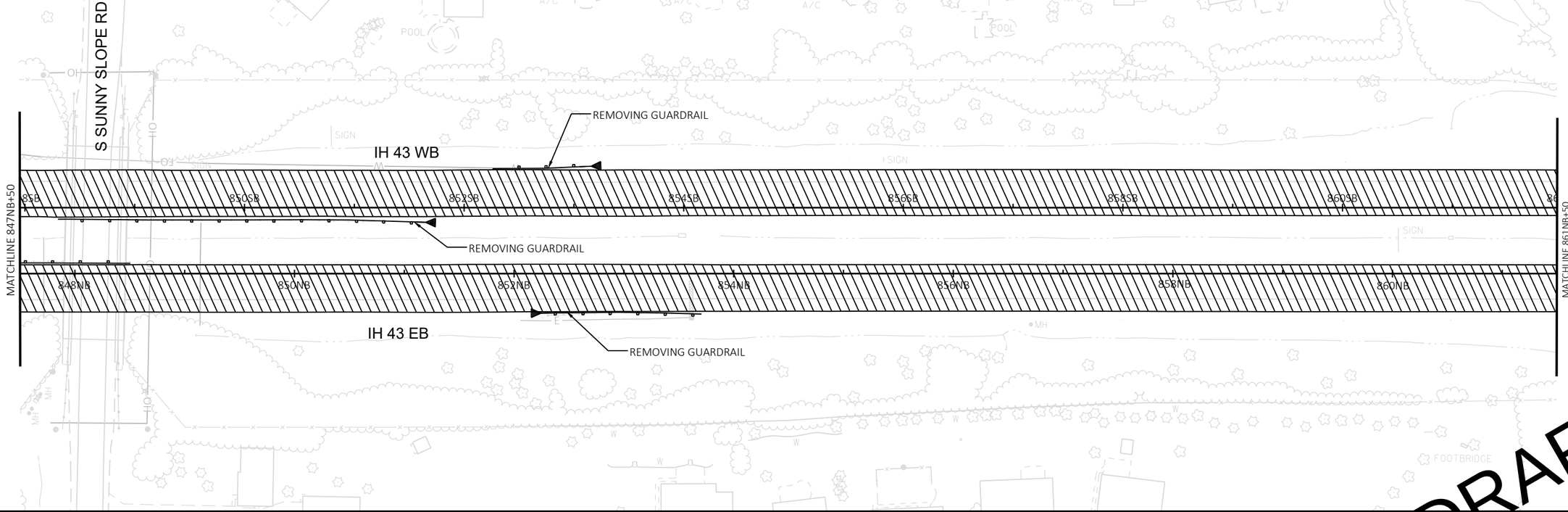
PLOT DATE : 11/25/2020 11:08 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

REMOVAL LEGEND

REMOVING ASPHALTIC SURFACE MILLING





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_49

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021103

PLOT DATE : 11/25/2020 11:11 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 100FT

WISDOT/CADDS SHEET 42

2

2

N

W ARMOUR AVE

IH 43 WB

REMOVING GUARDRAIL

MATCHLINE 861NB+50

862SB 864SB 866SB 868SB 870SB 872SB 874SB 874SBR 876SB 876SBR

MATCHLINE 876NB+00

REMOVING GUARDRAIL

862NB 864NB 866NB 868NB 870NB 872NB 874NB 874NB

IH 43 EB

REMOVING GUARDRAIL

W BELOIT RD

S LANGLADE DR

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING

CLEARING AND GRUBBING (STA)

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021104

PLOT DATE : 11/25/2020 11:13 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_50

WISDOT/CADDS SHEET 42

2

2

N

W BELOIT RD

REMOVING GUARDRAIL

878SBR
878SB
880SBR
880SB
882SBR
882SB
884SBR
884SB
886SBR
886SB
888SBR
888SB

LAYTON RAMP D

IH 43 SB

REMOVING GUARDRAIL

MATCHLINE 876NB+00

878NB
878NBR
880NB
880NBR
882NB
882NBR
884NB
884NBR
886NB
886NBR
888NB
888NBR
890NB
890NBR

IH 43 NB

REMOVING GUARDRAIL

REMOVING GUARDRAIL

MATCHLINE 869NB+50

LAYTON RAMP A

IH 43 NB

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_51

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021105

PLOT DATE : 11/25/2020 11:15 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

S 124TH ST

LAYTON RAMP D

890SBR
892SBR
894SBR
896SBR
898SBR
900SBR
902SBR
SW02
902NBR
900NBR
898NBR
896NBR
LAYTON RAMP A
SW02
894NBR
892NBR
REMOVE TREE
892SB
894SB
896SB
898SB
900SB
902SB
REMOVING GUARDRAIL
MATCHLINE 890NB+50
REMOVING GUARDRAIL
REMOVING GUARDRAIL
IH 43 SB
IH 43 NB
892NB
894NB
896NB
898NB
900NB
902NB
MATCHLINE 21+00
REMOVING GUARDRAIL
SECTIONS OF CONCRETE BARRIER TO BE REPAIRED OR REPLACED AS DETERMINED BY THE ENGINEER (TYP)

REMOVAL LEGEND

- REMOVING ASPHATIC SURFACE MILLING
- REMOVING CONCRETE PAVEMENT
- SW02 SAWING CONCRETE

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_52

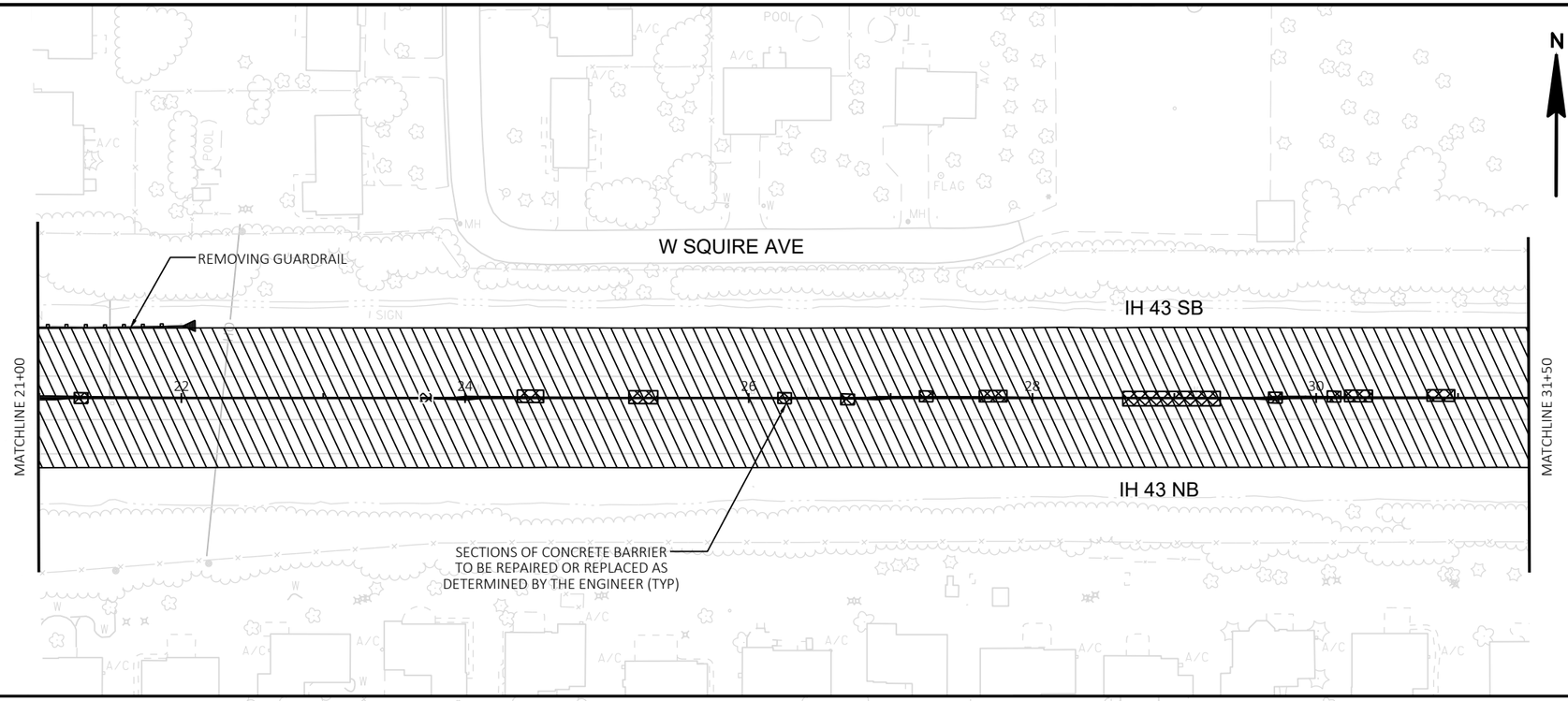
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021106

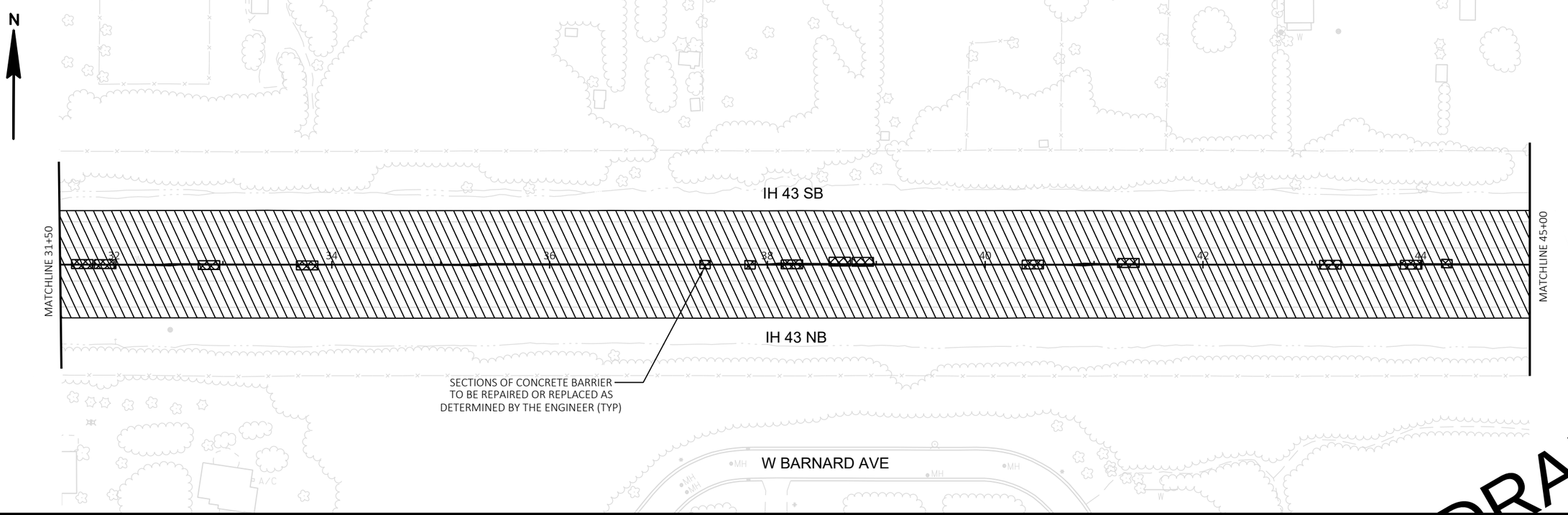
PLOT DATE : 11/28/2020 9:05 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021107

PLOT DATE : 11/25/2020 12:02 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_53

WISDOT/CADDS SHEET 42

2

N

W LAYTON AVE

S 116TH ST

REMOVING CULVERT PIPE
AND/OR ABANDONING CULVERT
PIPES

51+21.00, -39.73' LT

REMOVING GUARDRAIL

IH 43 SB

50+08.00, -39.66' LT

MATCHLINE 59+50

IH 43 NB

MATCHLINE 45+00

SECTIONS OF CONCRETE BARRIER
TO BE REPAIRED OR REPLACED AS
DETERMINED BY THE ENGINEER (TYP)

51+13.00, 38.89' RT

50+05.00, 38.83' RT

REMOVING GUARDRAIL

REMOVING CULVERT PIPE
AND/OR ABANDONING CULVERT PIPES

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING

CLEARING AND GRUBBING (CITA)

REMOVING CONCRETE PAVEMENT

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_54

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021108

PLOT DATE : 11/25/2020 12:04 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

IH 43 SB

IH 43 NB

MATCHLINE 59+50

MATCHLINE 74NB+50

60

62SB

62

64SB

64NB

66SB

66NB

68SB

68NB

70SB

70NB

72SB

72NB

74SB

74NB

REMOVING GUARDRAIL

SECTIONS OF CONCRETE BARRIER TO BE REPAIRED OR REPLACED AS DETERMINED BY THE ENGINEER (TYP)

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_55

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021109

PLOT DATE : 11/25/2020 12:06 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING

SW02 SAWING CONCRETE

MATCHLINE 74NB+50

REMOVING GUARDRAIL

REMOVING GUARDRAIL

REMOVING GUARDRAIL

SB OFF RAMP TO STH 100

IH 43 NB

IH 43 SB

STH 100 SB

STH 100 NB

STH 100

STH 100

NB ON RAMP FROM STH 100

MATCHLINE 85NB+00

SW02

SW02

SW02

SW02

N

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021110

PLOT DATE : 11/25/2020 12:07 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_56

WISDOT/CADDS SHEET 42

2

N

W LAYTON AVE

MATCHLINE 100NB+50

IH 43 SB/US 45 SB

IH 43 NB/US 45 NB

82SB
84SB
86SB
88SB
90SB
91SB
94SB
96SB
98NB
100NB
296
294
292
290
288
286
96NB
94NB
92NB
90NB
88NB
86NB

REMOVING GUARDRAIL

REMOVING GUARDRAIL

NB ON RAMP FROM STH 100

MATCHLINE 85NB+00

REMOVAL LEGEND

REMOVING ASPHALTIC SURFACE MILLING

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET	E

PRE_57

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021111

PLOT DATE : 11/25/2020 12:10 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

REMOVAL LEGEND

REMOVING ASPHATIC SURFACE MILLING

SW01 SAWING ASPHALT

N

MATCHLINE 100NB+50

98SB

100SB

102SB

104SB

106SB

108SB

110SB

SW01

44SB

46SB

48SB

IH 43 SB / US 45 SB

102NB

104NB

106NB

108NB

110NB

200NB

202NB

204NB

206NB

112NB

114NB

SW01

REMOVING GUARDRAIL

MATCHLINE 115NB+50

IH 43 NB / US 45 NB

ROOT R.

RIPRAP

FO

S ROOT RIVER PKWY

LAYTON AVENUE

SLAB

SIGN

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_58

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021112

PLOT DATE : 11/25/2020 12:12 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

NORTH-TO-WEST RAMP (US 45 SB)

NORTH-TO-EAST RAMP (IH 41 SB/IH 894 EB)

WEST-TO-NORTH RAMP (US 45 NB)

EAST-TO-NORTH RAMP (IH 41 NB/IH 894 WB)

EAST-TO-WEST RAMP (IH 43 SB)

WEST-TO-EAST RAMP (IH 43 NB)

RIPRAP

ATHLETIC FIELD

MH

W

124SB

122SB

120SB

118SB

116SB

114SB

112SB

110SB

108SB

106SB

104SB

102SB

100SB

98SB

96SB

94SB

92SB

90SB

88SB

86SB

84SB

82SB

80SB

78SB

76SB

74SB

72SB

70SB

68SB

66SB

64SB

62SB

60SB

58SB

56SB

54SB

52SB

50SB

48SB

46SB

44SB

42SB

40SB

38SB

36SB

124NB

122NB

120NB

118NB

116NB

114NB

112NB

110NB

108NB

106NB

104NB

102NB

100NB

98NB

96NB

94NB

92NB

90NB

88NB

86NB

84NB

82NB

80NB

78NB

76NB

74NB

72NB

70NB

68NB

66NB

64NB

62NB

60NB

58NB

56NB

54NB

52NB

50NB

48NB

46NB

44NB

42NB

40NB

38NB

36NB

34NB

32NB

30NB

28NB

26NB

24NB

22NB

20NB

18NB

16NB

14NB

12NB

10NB

8NB

6NB

4NB

2NB

208NB

210NB

212NB

END MILL & OVERLAY
(IH 43 SB)
STA 119SB+07

END MILL & OVERLAY
(WEST-TO-NORTH RAMP)
STA 118NB+79

REMOVING GUARDRAIL

REMOVING GUARDRAIL

END PROJECT 1090-08-71
STA 210NB+80

SW01

MATCH LINE 115NB+50

REMOVAL LEGEND

REMOVING ASPHALTIC SURFACE MILLING

SW01 SAWING ASPHALT

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_59

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021113

PLOT DATE : 11/25/2020 12:14 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

REMOVAL LEGEND

- REMOVING CONCRETE PAVEMENT
- SW01 SAWING ASPHALT
- SW02 SAWING CONCRETE

S MOORLAND RD

ON RAMP TO IH 43 WB

OFF RAMP FROM IH 43 WB

ON RAMP FROM S MOORLAND RD

IH 43 WB

IH 43 EB

REMOVING CONCRETE SIDEWALK

REMOVING CONCRETE SIDEWALK

REMOVING CONCRETE SIDEWALK

REMOVING GUARDRAIL

REMOVING GUARDRAIL

REMOVING GUARDRAIL

REMOVING GUARDRAIL

SW01 SW02

RIPRAP MH SIGN CANOPY ISLAB

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	REMOVAL PLAN	SHEET E

PRE_60

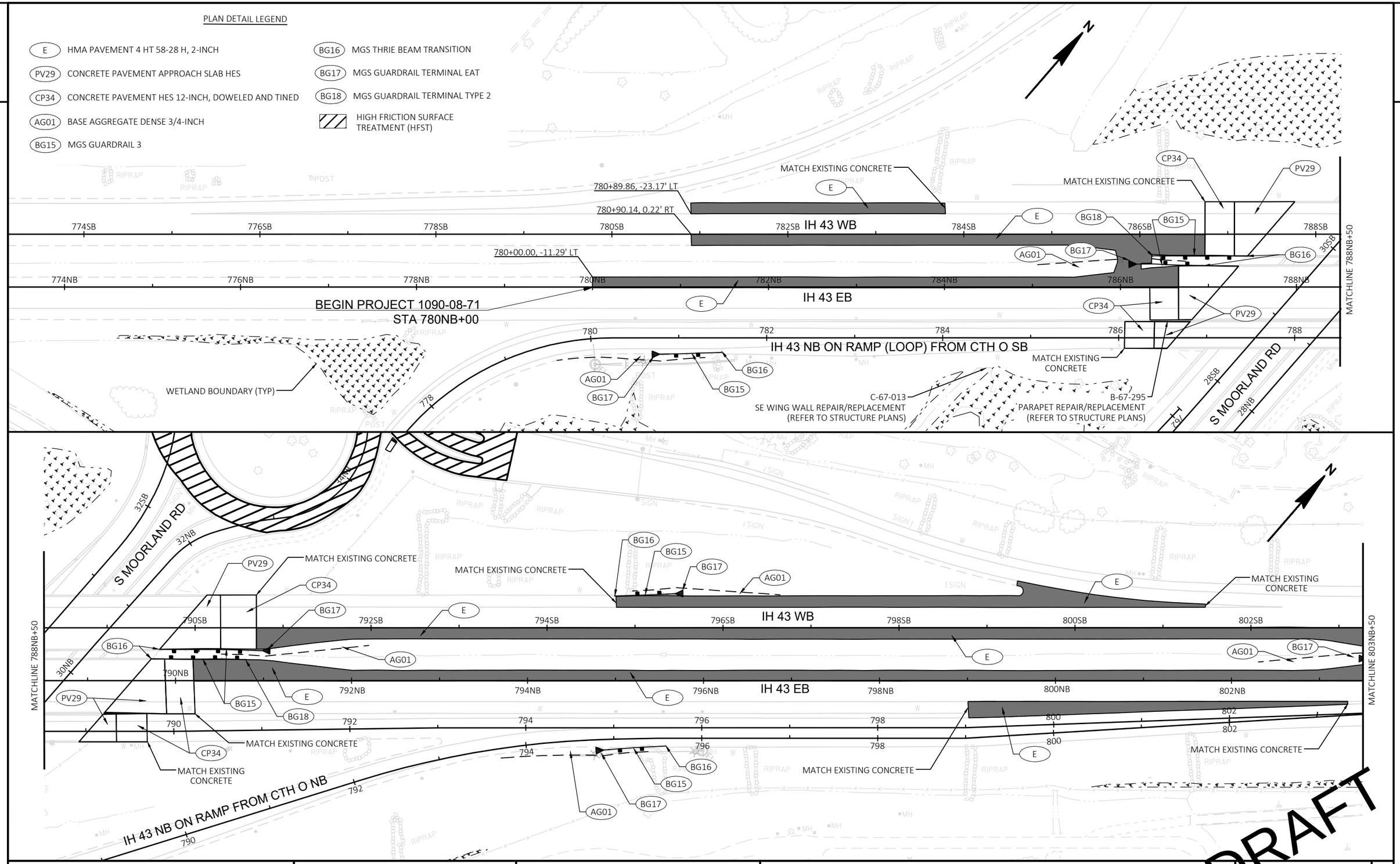
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021101_RM.DWG
LAYOUT NAME - 021114

PLOT DATE : 11/25/2020 12:16 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

PLAN DETAIL LEGEND

- E — HMA PAVEMENT 4 HT 58-28 H, 2-INCH
- PV29 — CONCRETE PAVEMENT APPROACH SLAB HES
- CP34 — CONCRETE PAVEMENT HES 12-INCH, DOWELED AND TINED
- AG01 — BASE AGGREGATE DENSE 3/4-INCH
- BG15 — MGS GUARDRAIL 3
- BG16 — MGS THRIE BEAM TRANSITION
- BG17 — MGS GUARDRAIL TERMINAL EAT
- BG18 — MGS GUARDRAIL TERMINAL TYPE 2
- HIGH FRICTION SURFACE TREATMENT (HFST)



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_61

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201

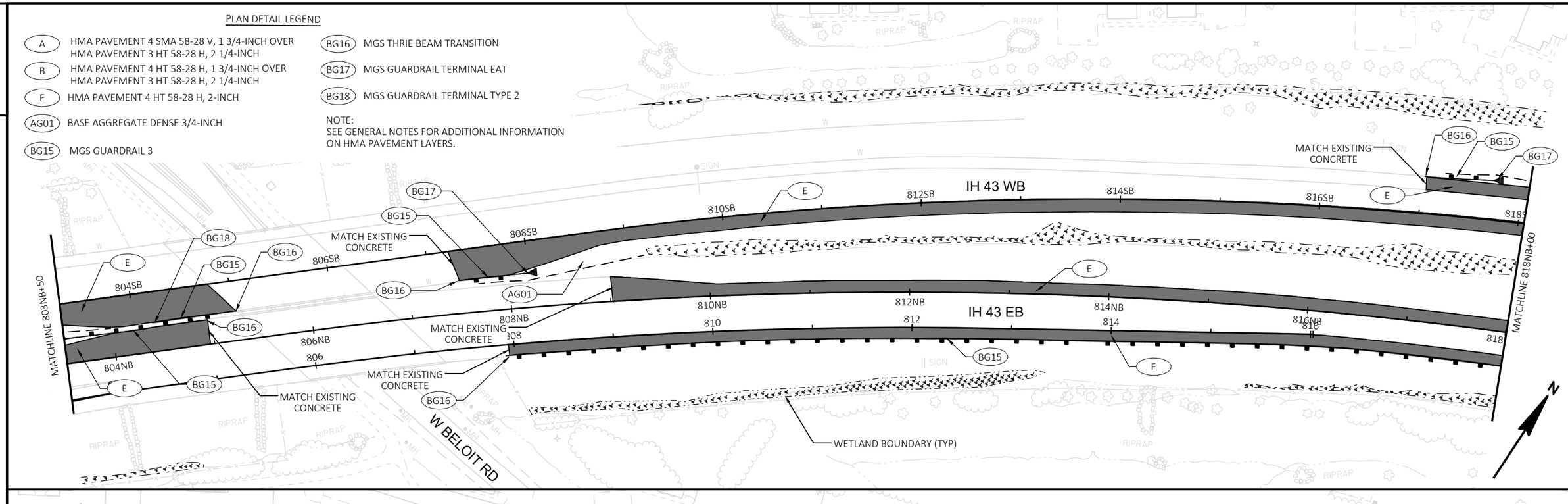
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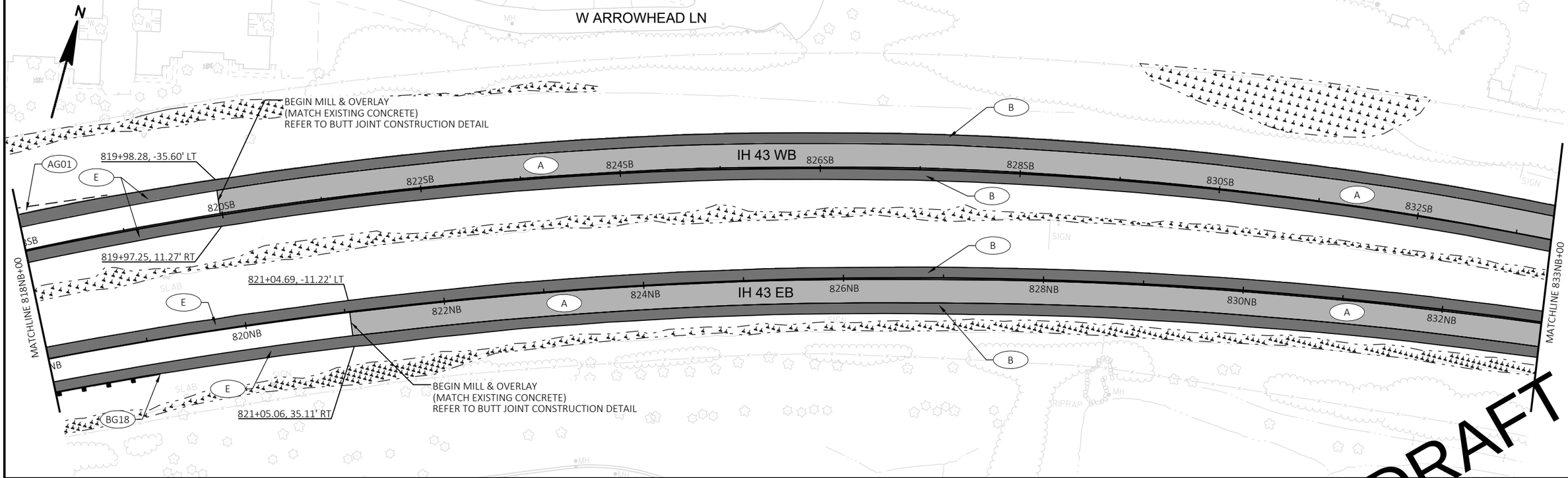
WISDOT/CADDS SHEET 42

PLAN DETAIL LEGEND

- A — HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- B — HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- E — HMA PAVEMENT 4 HT 58-28 H, 2-INCH
- AG01 — BASE AGGREGATE DENSE 3/4-INCH
- BG15 — MGS GUARDRAIL 3
- BG16 — MGS THRIE BEAM TRANSITION
- BG17 — MGS GUARDRAIL TERMINAL EAT
- BG18 — MGS GUARDRAIL TERMINAL TYPE 2

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_62

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021202

PLOT DATE : 11/25/2020 12:39 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

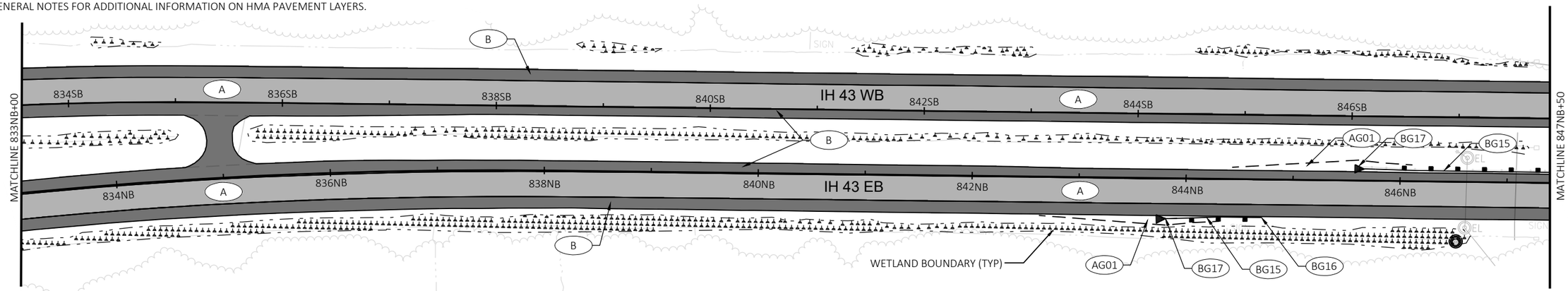
WISDOT/CADDS SHEET 42

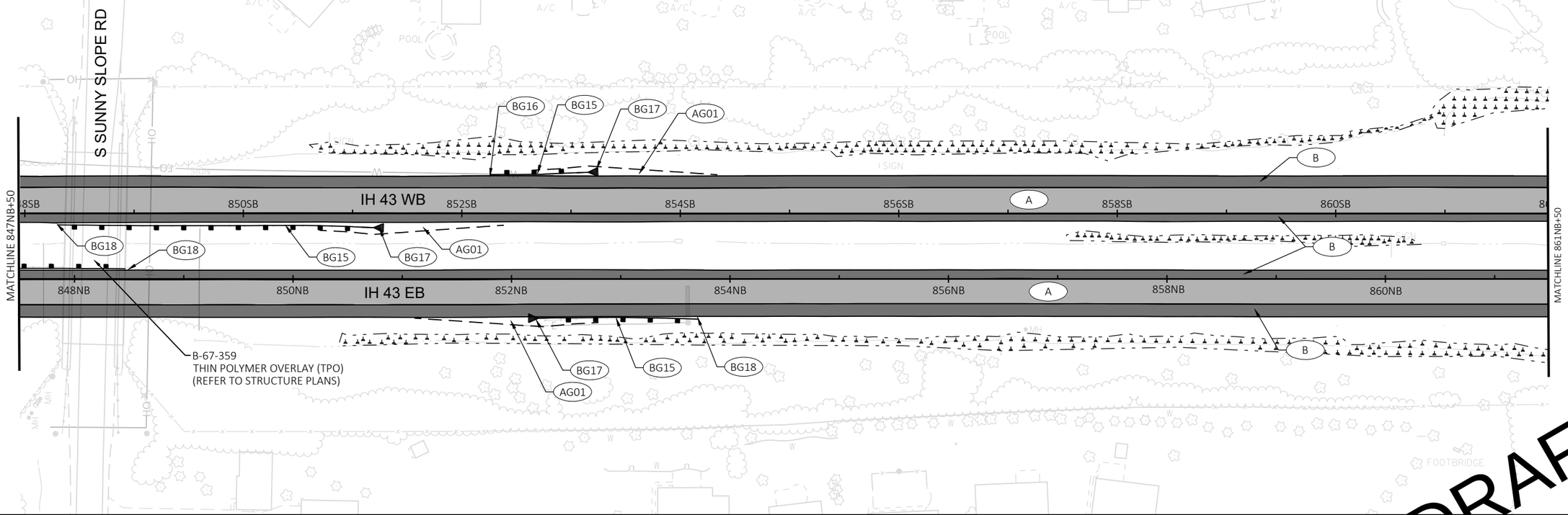
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PLAN DETAIL LEGEND

- (A) HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (B) HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (BG15) MGS GUARDRAIL 3
- (BG16) MGS THRIE BEAM TRANSITION
- (BG17) MGS GUARDRAIL TERMINAL EAT
- (BG18) MGS GUARDRAIL TERMINAL TYPE 2

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_63

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021203

PLOT DATE : 11/25/2020 12:43 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 100FT

WISDOT/CADDS SHEET 42

2

N

W ARMOUR AVE

C-67-021
NW WING WALL REPAIR/REPLACEMENT
(REFER TO STRUCTURE PLANS)

MATCH CONCRETE
(REFER TO BUTT JOINT
CONSTRUCTION DETAIL

MATCHLINE 861NB+50

MATCHLINE 876NB+00

IH 43 WB

IH 43 EB

2SB
864SB
866SB
868SB
870SB
872SB
874SB
876SBR
876SB

862NB
864NB
866NB
868NB
870NB
872NB
874NB

BG18
BG15
BG16
BG17
AG01
A
B

SIGN

WETLAND BOUNDARY (TYP)

W BELOIT RD

S LANGLADE DR

PLAN DETAIL LEGEND

A	HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
B	HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH
BG15	MGS GUARDRAIL 3
BG16	MGS THRIE BEAM TRANSITION
BG17	MGS GUARDRAIL TERMINAL EAT
BG18	MGS GUARDRAIL TERMINAL TYPE 2

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.

DRAFT

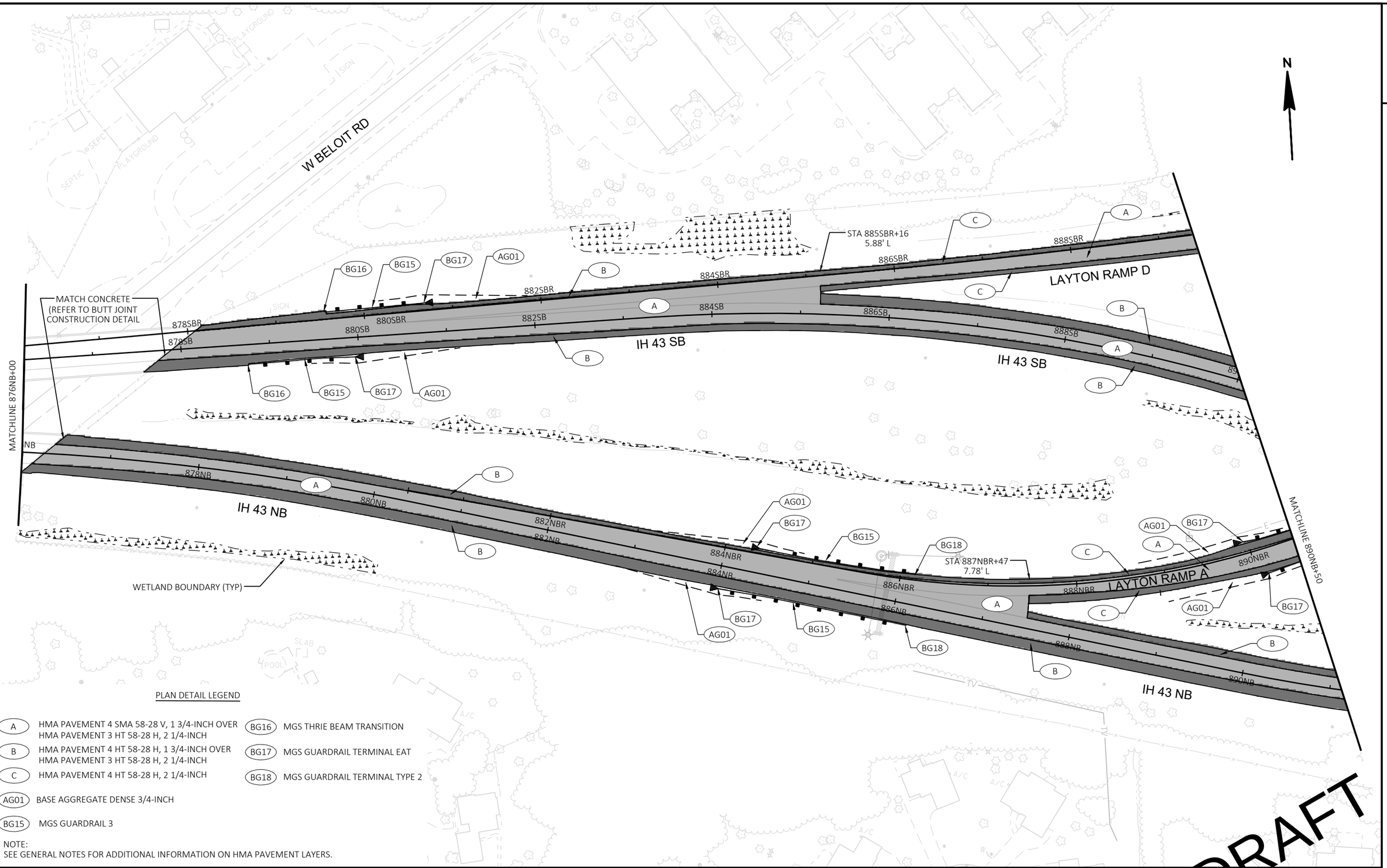
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_64

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021204

PLOT DATE : 11/25/2020 12:46 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PLAN DETAIL LEGEND

- (A) HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (B) HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (C) HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (BG15) MGS GUARDRAIL 3
- (BG16) MGS THRIE BEAM TRANSITION
- (BG17) MGS GUARDRAIL TERMINAL EAT
- (BG18) MGS GUARDRAIL TERMINAL TYPE 2

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.

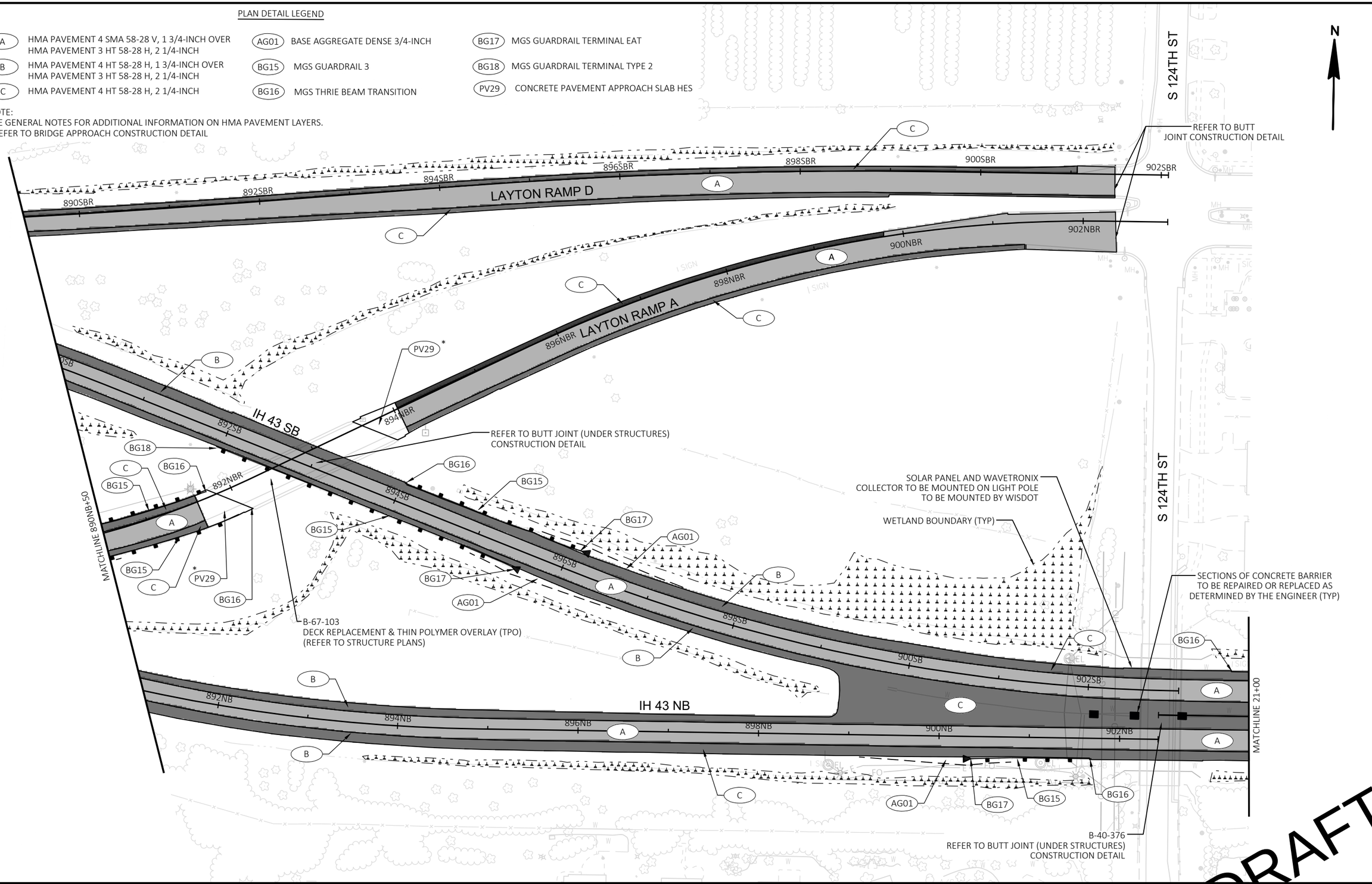
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PLAN DETAIL LEGEND

- (A) HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (B) HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (C) HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (BG15) MGS GUARDRAIL 3
- (BG16) MGS THRIE BEAM TRANSITION
- (BG17) MGS GUARDRAIL TERMINAL EAT
- (BG18) MGS GUARDRAIL TERMINAL TYPE 2
- (PV29) CONCRETE PAVEMENT APPROACH SLAB HES

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.
*REFER TO BRIDGE APPROACH CONSTRUCTION DETAIL



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET PRE_66 E

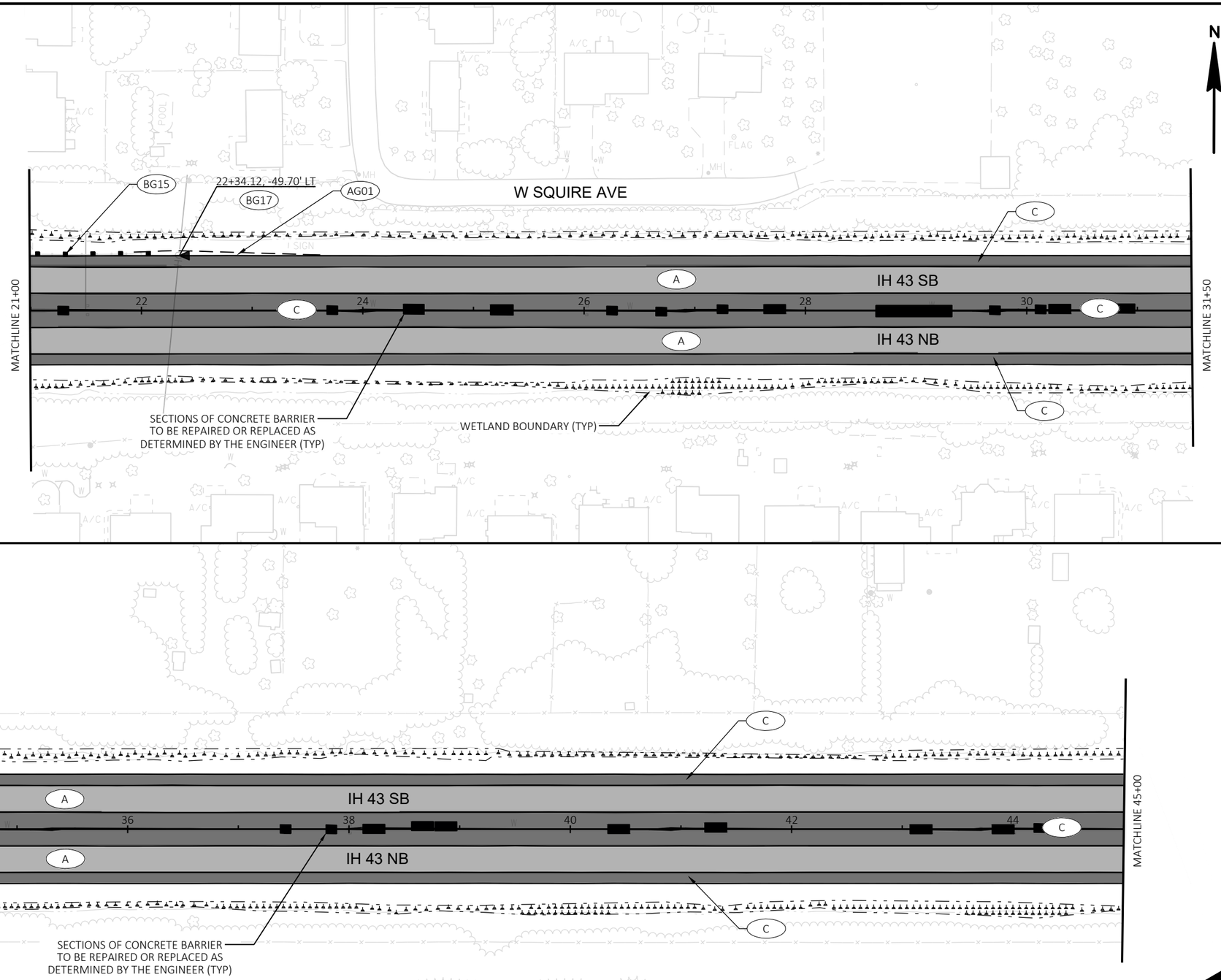
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LAYOUT NAME - 021206
PLOT DATE : 11/28/2020 8:47 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

PLAN DETAIL LEGEND

- (A) HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- (C) HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH
- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (BG15) MGS GUARDRAIL 3
- (BG17) MGS GUARDRAIL TERMINAL EAT

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

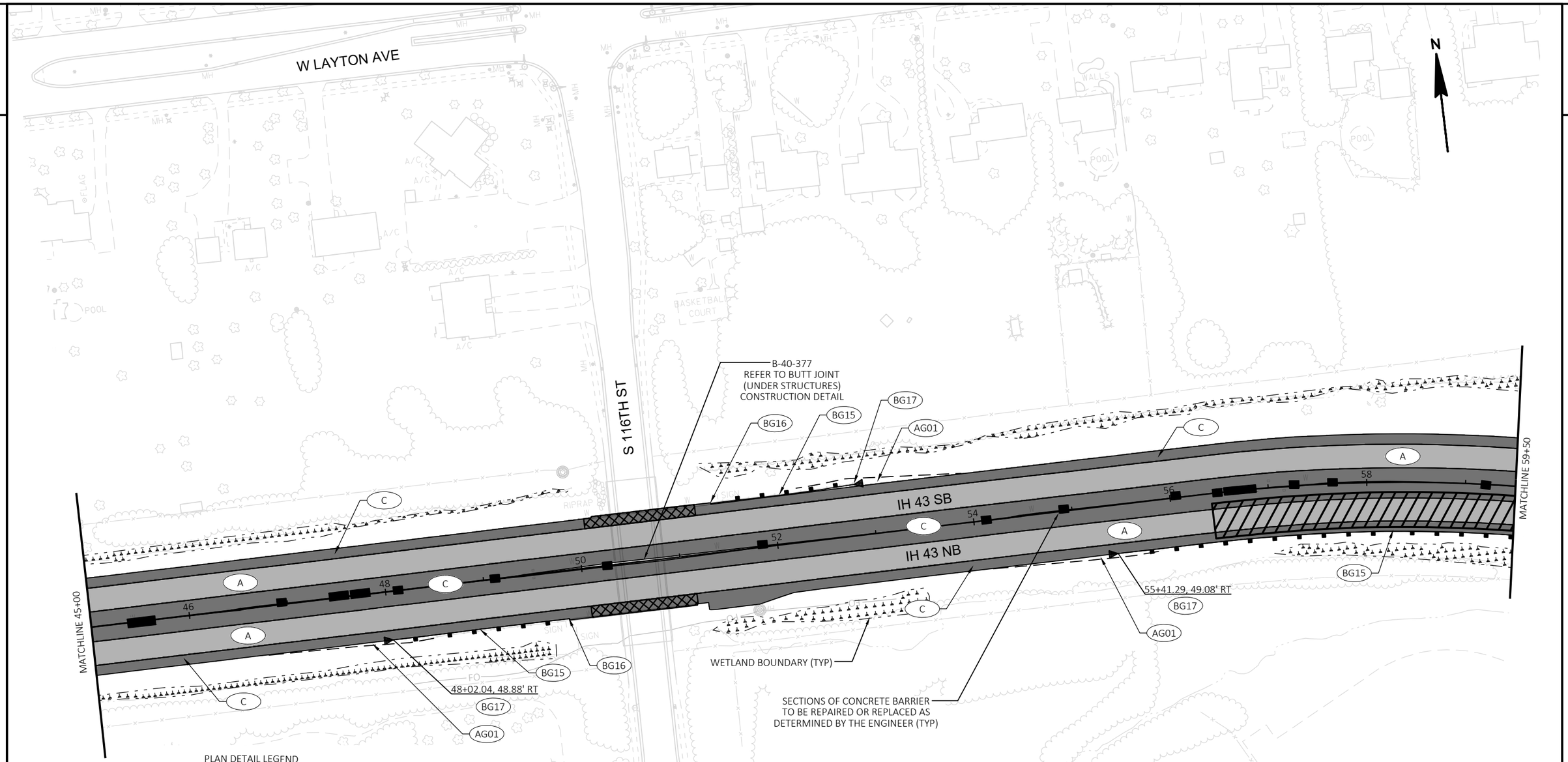
PRE_67

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LAYOUT NAME - 021207

PLOT DATE : 11/25/2020 12:56 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PLAN DETAIL LEGEND

A	HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH	BG15	MGS GUARDRAIL 3
C	HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH	BG16	MGS THRIE BEAM TRANSITION
AG01	BASE AGGREGATE DENSE 3/4-INCH	BG17	MGS GUARDRAIL TERMINAL EAT
	HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH OVER CONCRETE BASE, 6-INCH		
	HIGH FRICTION SURFACE TREATMENT APPLIED TO TRAVEL LANES AND 3' OF BOTH INSIDE AND OUTSIDE SHOULDER		

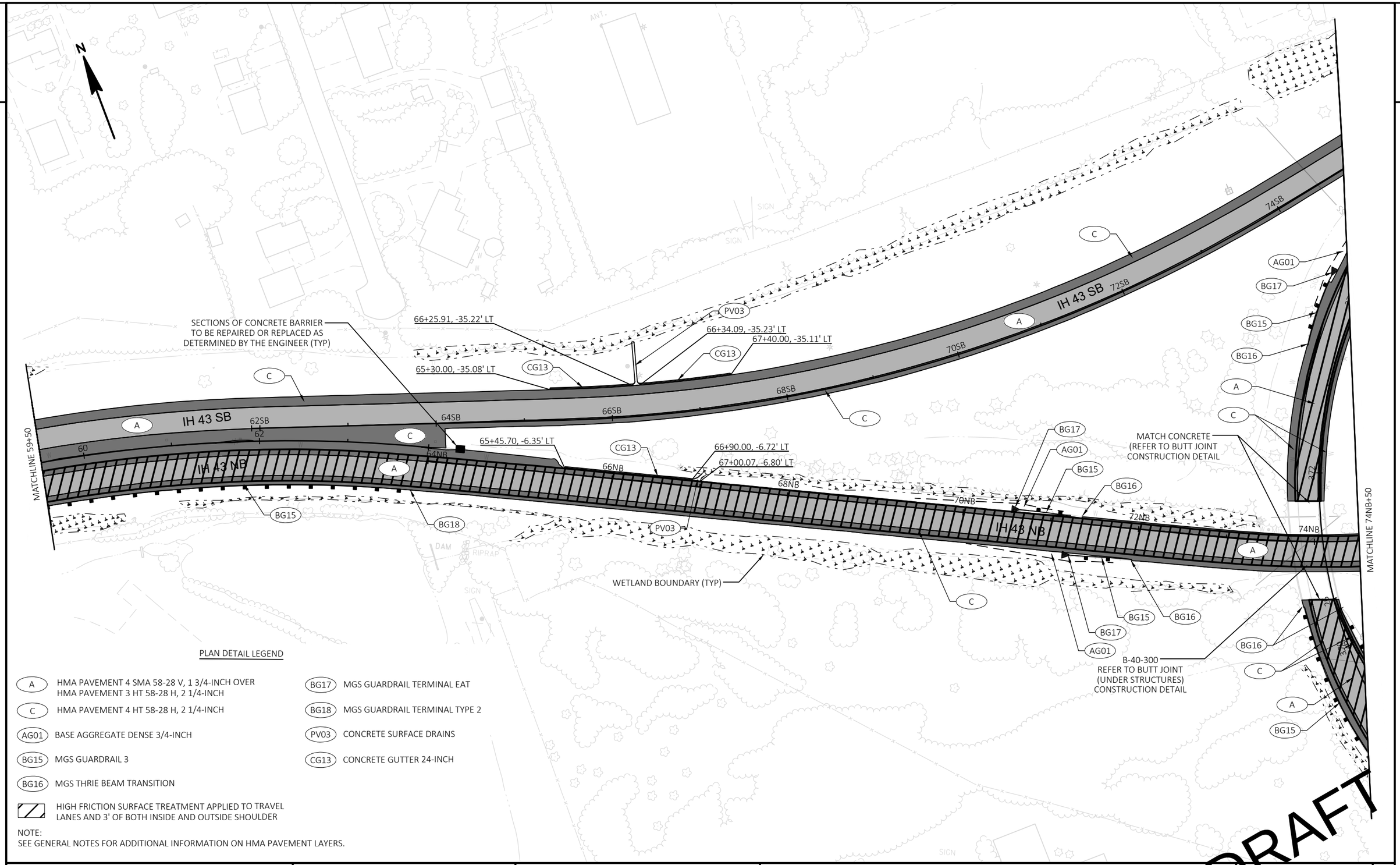
NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_68

2



PLAN DETAIL LEGEND

A	HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH	BG17	MGS GUARDRAIL TERMINAL EAT
C	HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH	BG18	MGS GUARDRAIL TERMINAL TYPE 2
AG01	BASE AGGREGATE DENSE 3/4-INCH	PV03	CONCRETE SURFACE DRAINS
BG15	MGS GUARDRAIL 3	CG13	CONCRETE GUTTER 24-INCH
BG16	MGS THRIE BEAM TRANSITION		
	HIGH FRICTION SURFACE TREATMENT APPLIED TO TRAVEL LANES AND 3' OF BOTH INSIDE AND OUTSIDE SHOULDER		

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.

DRAFT

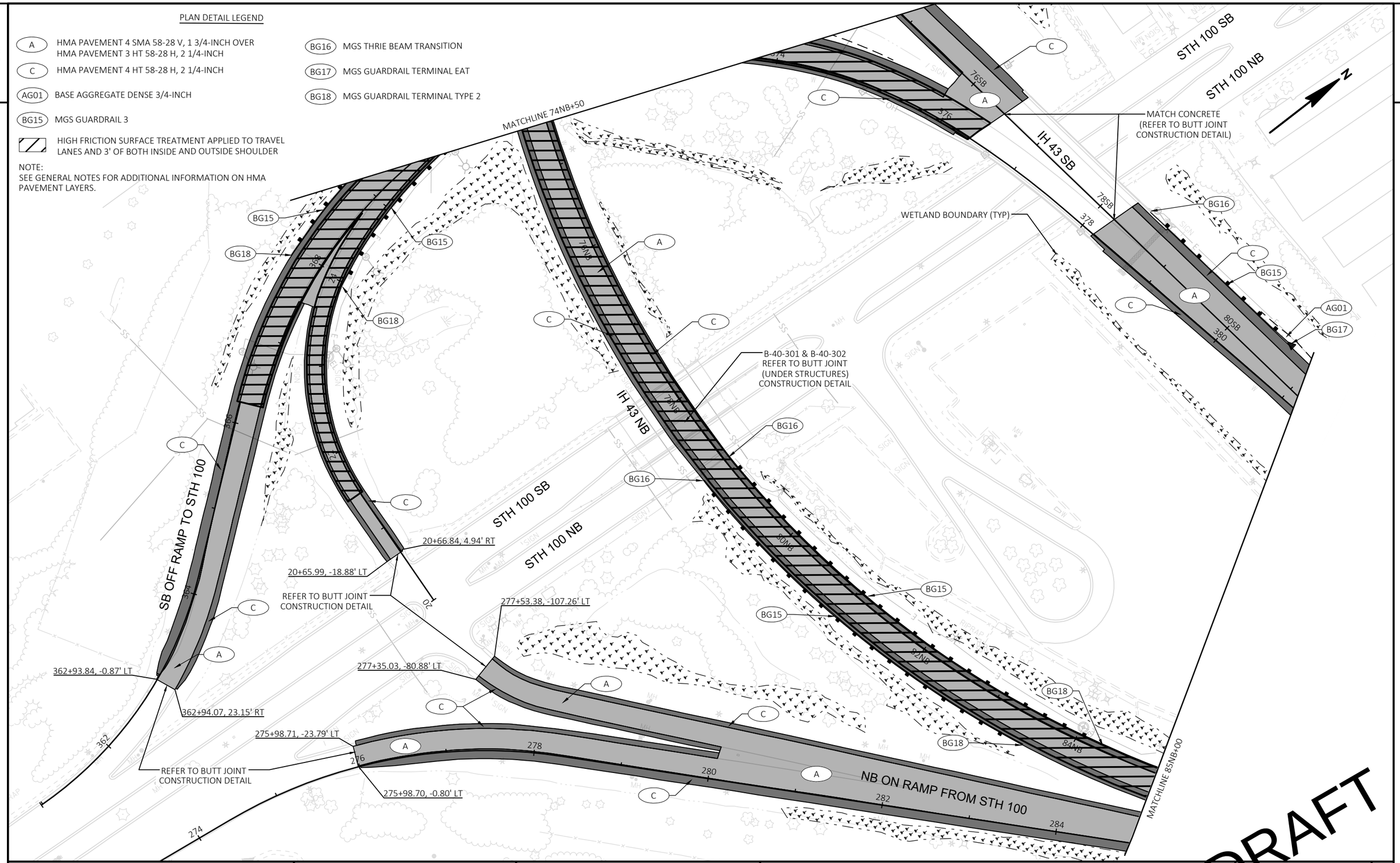
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_69

PLAN DETAIL LEGEND

- A — HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH
- C — HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH
- AG01 — BASE AGGREGATE DENSE 3/4-INCH
- BG15 — MGS GUARDRAIL 3
- HIGH FRICTION SURFACE TREATMENT APPLIED TO TRAVEL LANES AND 3' OF BOTH INSIDE AND OUTSIDE SHOULDER
- BG16 — MGS THRIE BEAM TRANSITION
- BG17 — MGS GUARDRAIL TERMINAL EAT
- BG18 — MGS GUARDRAIL TERMINAL TYPE 2

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.



DRAFT

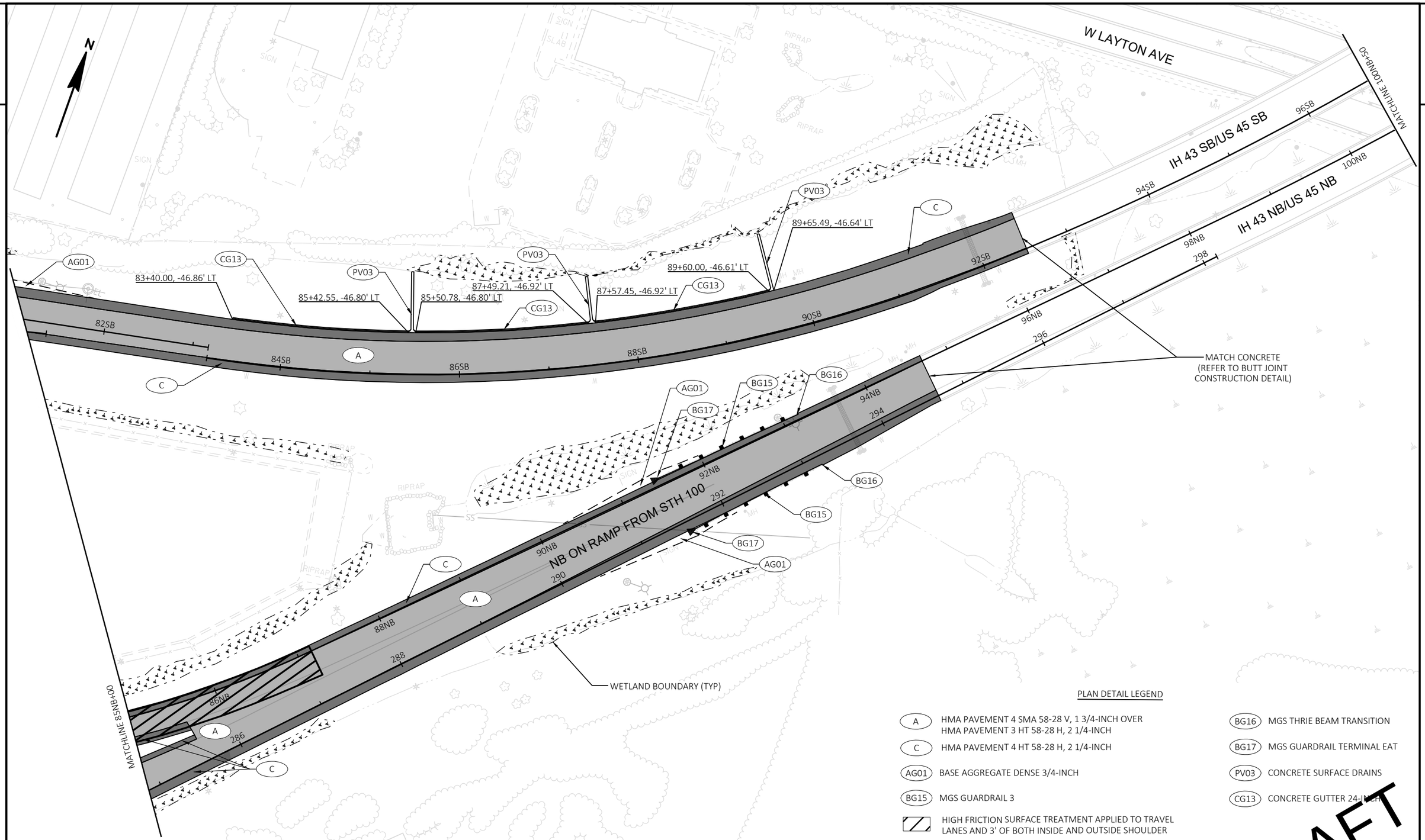
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021210

PLOT DATE : 11/25/2020 1:04 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_70

WISDOT/CADDS SHEET 42



PLAN DETAIL LEGEND

A	HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 3 HT 58-28 H, 2 1/4-INCH	BG16	MGS THRIE BEAM TRANSITION
C	HMA PAVEMENT 4 HT 58-28 H, 2 1/4-INCH	BG17	MGS GUARDRAIL TERMINAL EAT
AG01	BASE AGGREGATE DENSE 3/4-INCH	PV03	CONCRETE SURFACE DRAINS
BG15	MGS GUARDRAIL 3	CG13	CONCRETE GUTTER 24-INCH
	HIGH FRICTION SURFACE TREATMENT APPLIED TO TRAVEL LANES AND 3' OF BOTH INSIDE AND OUTSIDE SHOULDER		

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.

DRAFT

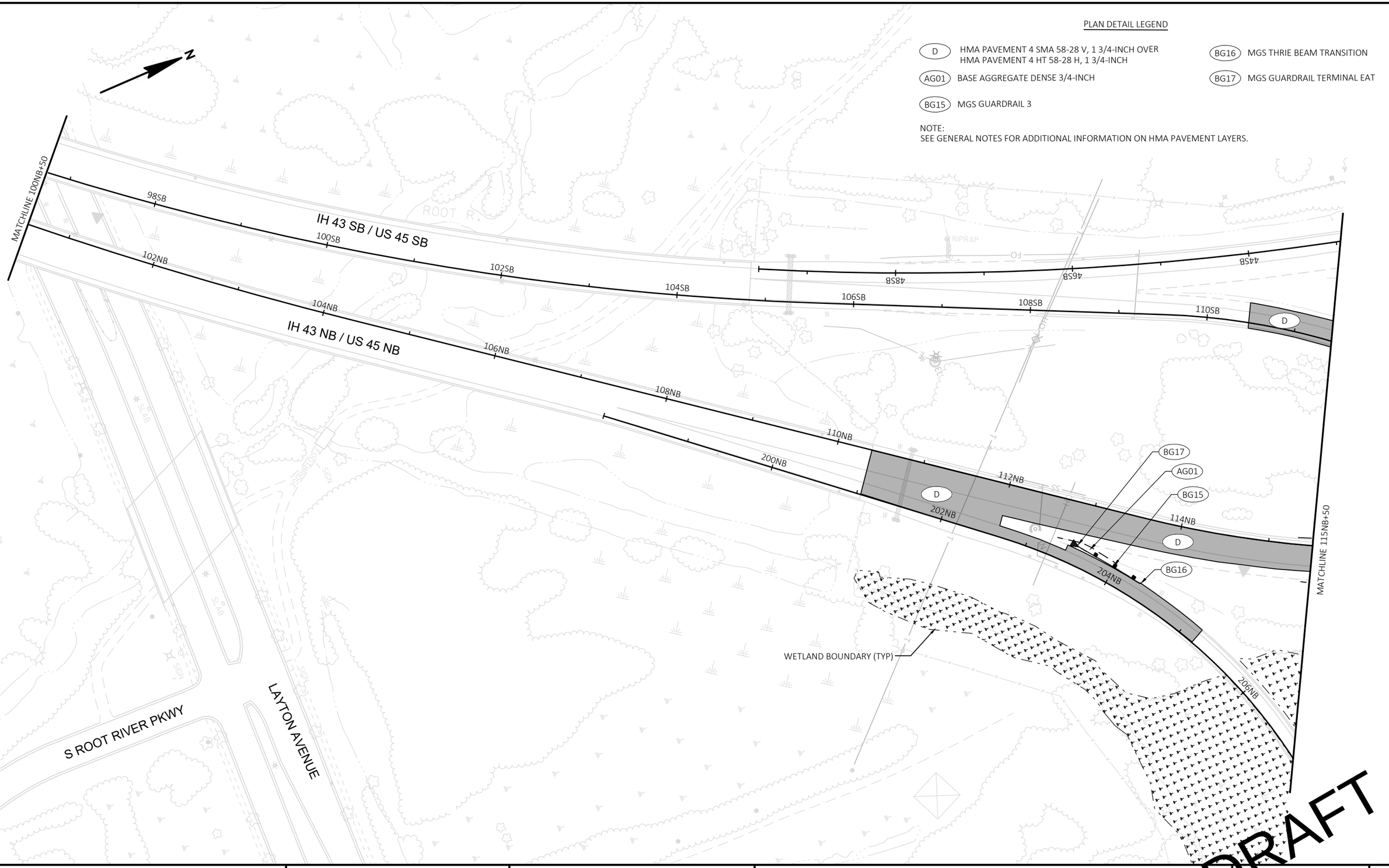
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

PRE_71

PLAN DETAIL LEGEND

- D — HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH
- AG01 — BASE AGGREGATE DENSE 3/4-INCH
- BG15 — MGS GUARDRAIL 3
- BG16 — MGS THRIE BEAM TRANSITION
- BG17 — MGS GUARDRAIL TERMINAL EAT

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

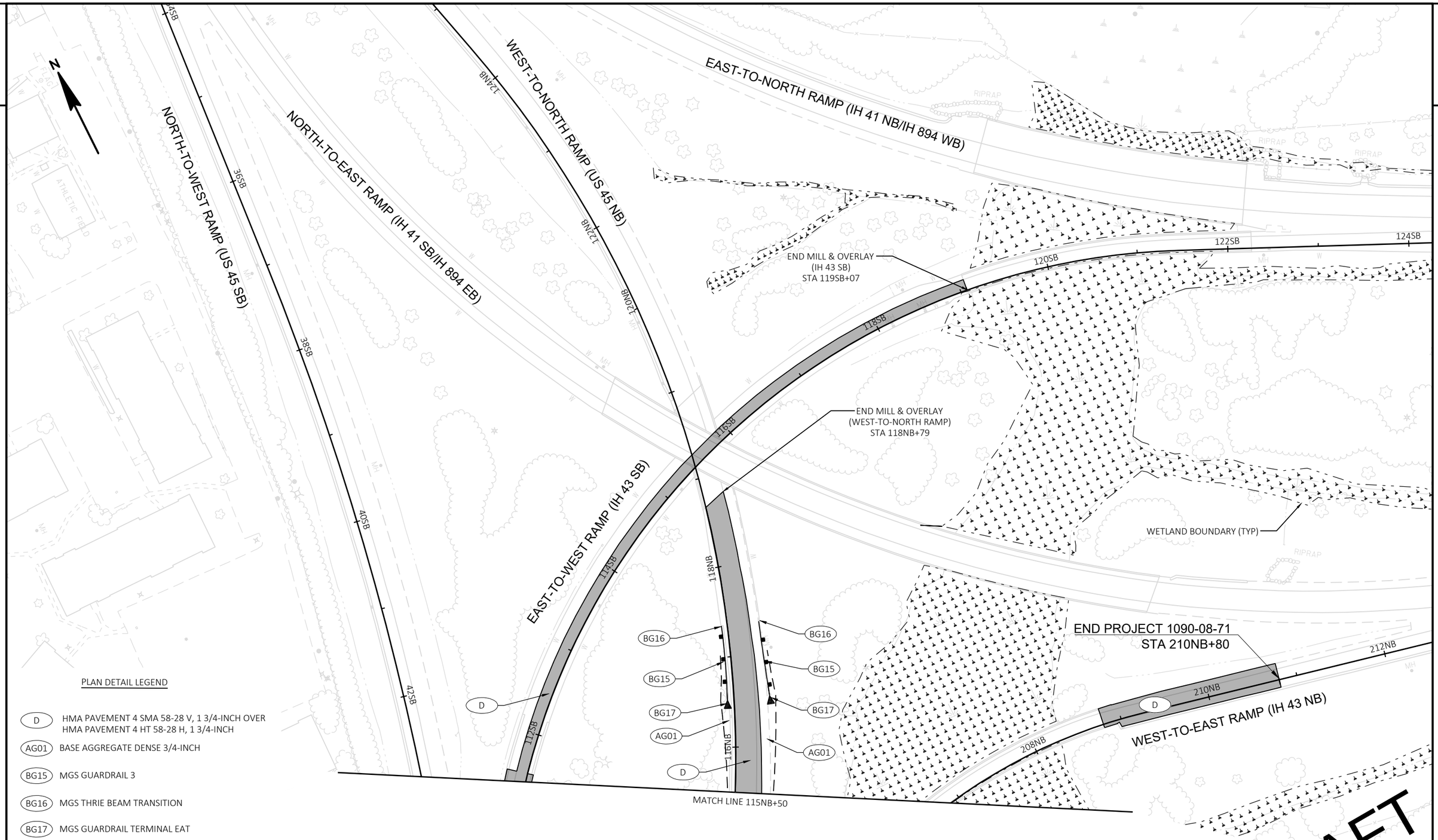
PRE_72

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021212

PLOT DATE : 11/25/2020 1:08 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PLAN DETAIL LEGEND

D	HMA PAVEMENT 4 SMA 58-28 V, 1 3/4-INCH OVER HMA PAVEMENT 4 HT 58-28 H, 1 3/4-INCH
AG01	BASE AGGREGATE DENSE 3/4-INCH
BG15	MGS GUARDRAIL 3
BG16	MGS THRIE BEAM TRANSITION
BG17	MGS GUARDRAIL TERMINAL EAT

NOTE:
SEE GENERAL NOTES FOR ADDITIONAL INFORMATION ON HMA PAVEMENT LAYERS.

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021213

PLOT DATE : 11/25/2020 1:11 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PLAN DETAIL LEGEND

- E — HMA PAVEMENT 4 HT 58-28, 2-INCH
- AG01 — BASE AGGREGATE DENSE 3/4-INCH
- BG15 — MGS GUARDRAIL 3
- BG16 — MGS THRIE BEAM TRANSITION
- BG17 — MGS GUARDRAIL TERMINAL EAT
- BG18 — MGS GUARDRAIL TERMINAL TYPE 2
- CG04 — CURB RAMP TYPE 3
- CG06 — CURB RAMP TYPE 4B1
- CG07 — CURB RAMP TYPE 5
- CM07 — CONCRETE SIDEWALK 5-INCH
- HIGH FRICTION SURFACE TREATMENT (HFST)

S MOORLAND RD SB
S MOORLAND RD NB
ON RAMP TO IH 43 WB
OFF RAMP FROM IH 43 WB
ON RAMP FROM S MOORLAND RD
IH 43 WB
IH 43 EB
WETLAND BOUNDARY (TYP)
STA. 36NB+08 10.40' LT
STA. 36NB+16 39.30' RT
STA. 34NB+75 169.81' RT
STA. 34NB+43 165.10' RT
MATCH EXISTING CONCRETE
B-67-295
PARAPET REPAIR/REPLACEMENT (REFER TO STRUCTURE PLANS)
RIPRAP
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN DETAILS	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021214
PLOT DATE : 11/25/2020 1:13 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

PRE_74

WISDOT/CADDS SHEET 42

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.20
- SILT FENCE

2

2

780SB on ramp

774SB 776SB 778SB 780SB 782SB 784SB 786SB 788SB

IH 43 SB

774NB 776NB 778NB 780NB 782NB 784NB 786NB 788NB

IH 43 NB

BEGIN PROJECT 1090-08-71
STA 780NB+00

IH 43 NB ON RAMP (LOOP) FROM CTH O SB

WETLAND BOUNDARY (TYP)

C-67-013
SE WING WALL
REPAIR/REPLACEMENT
(REFER TO STRUCTURE PLANS)

30SB

MATCHLINE 788NB+50

28SB

28NB

29?

S MOORLAND RD

32SB

32NB

30NB

790SB 792SB 794SB 796SB 798SB 800SB 802SB

790NB 792NB 794NB 796NB 798NB 800NB 802NB

IH 43 NB

IH 43 NB ON RAMP FROM CTH O NB

MATCHLINE 788NB+50

MATCHLINE 803NB+50

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

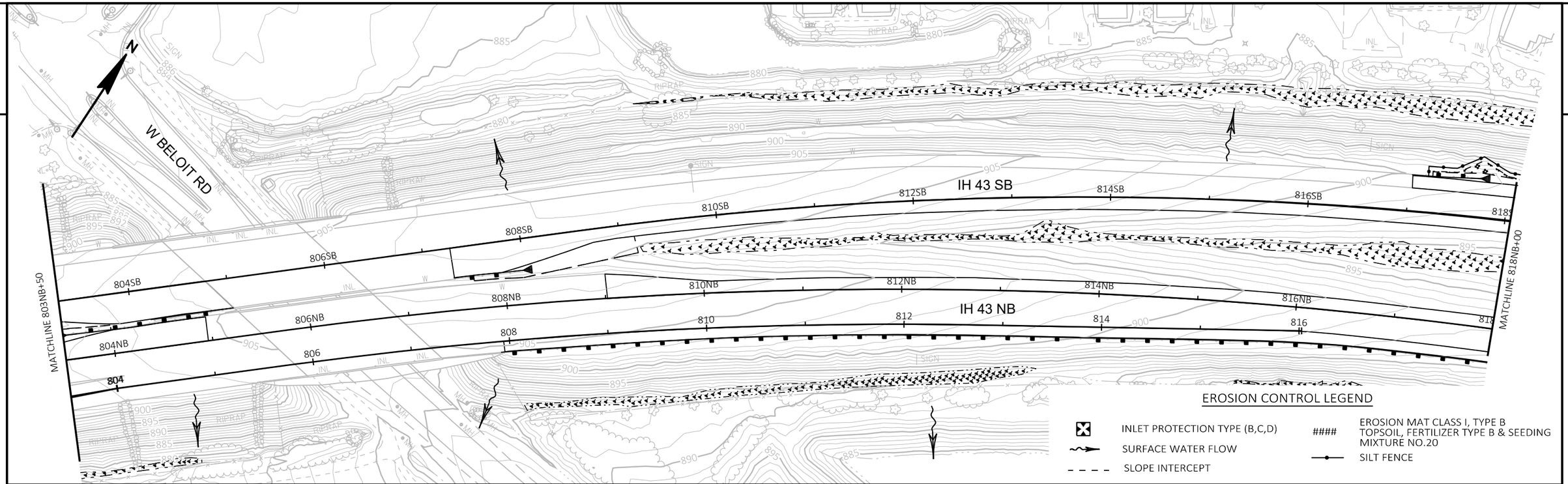
PRE_75

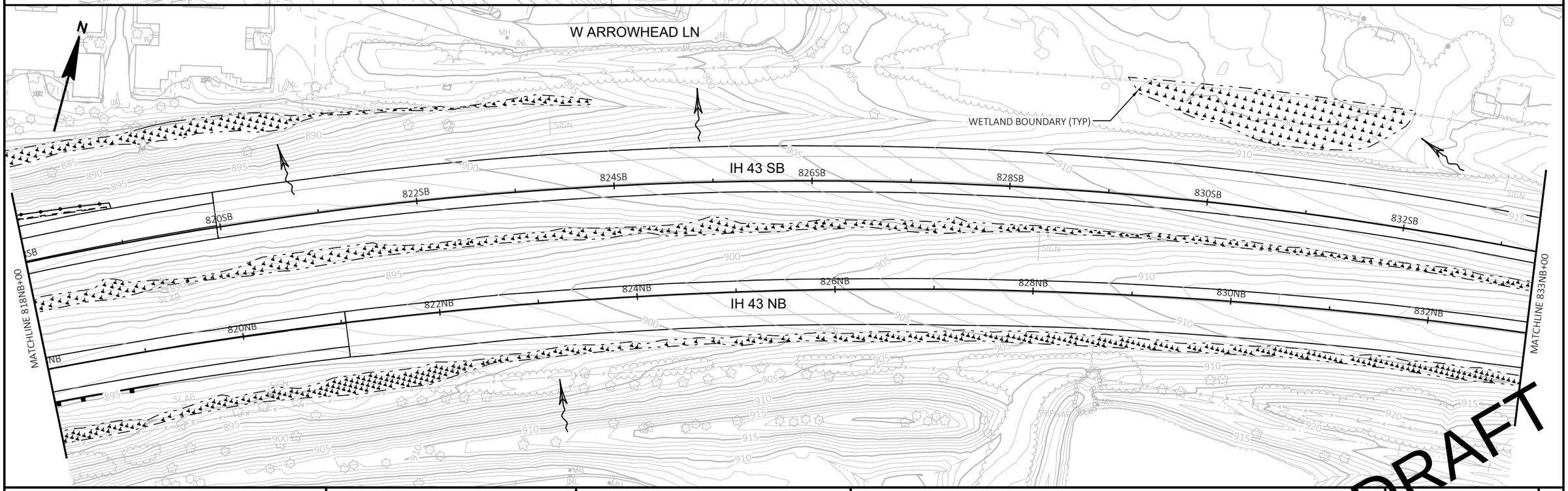
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LAYOUT NAME - 022001

PLOT DATE : 12/4/2020 2:31 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

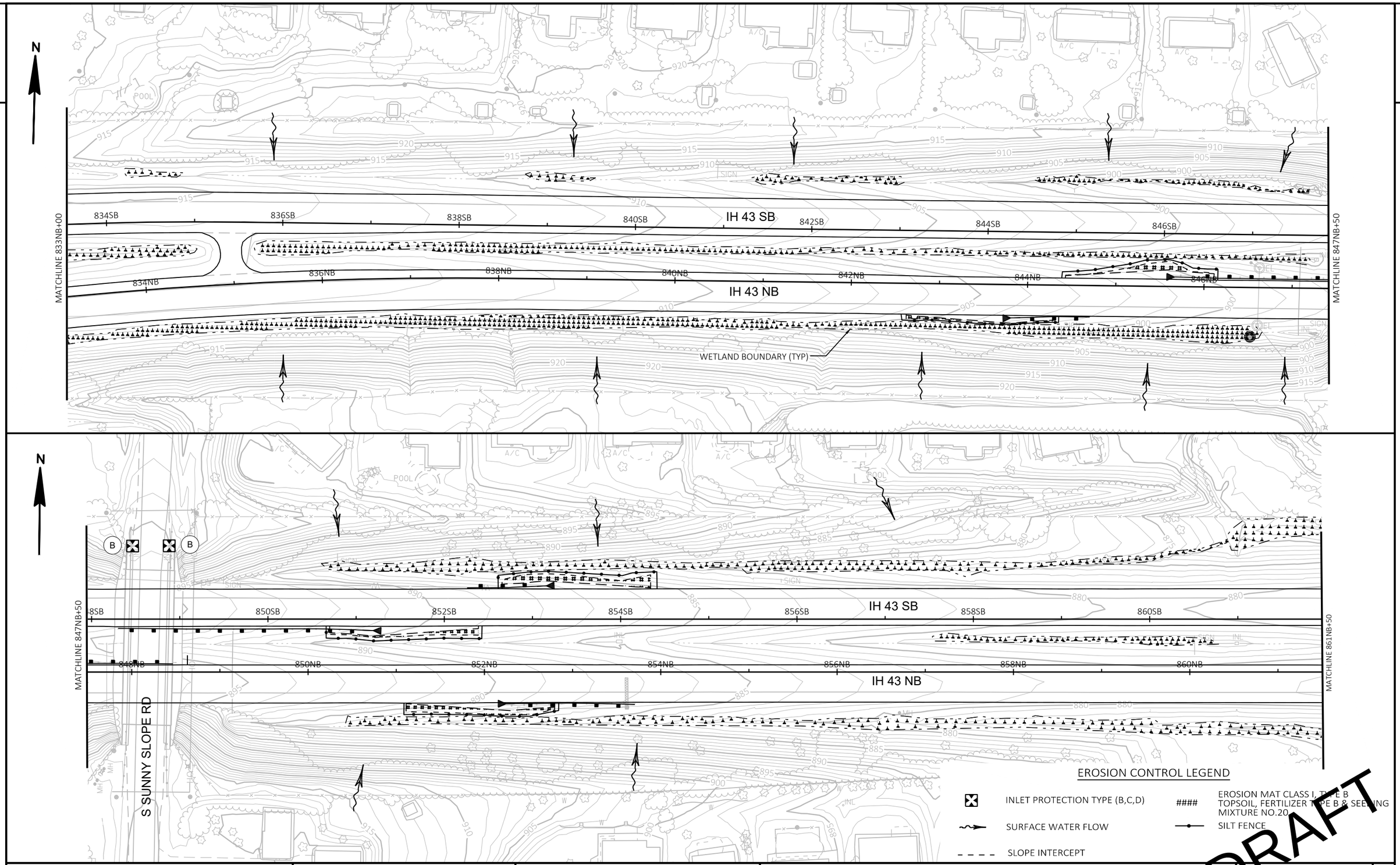
PRE_76

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022002

PLOT DATE : 12/4/2020 2:35 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_77

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022003

PLOT DATE : 12/4/2020 11:45 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : I IN: 100FT

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
- SILT FENCE

N

W ARMOUR AVE

C-67-021
NW WING WALL REPAIR/REPLACEMENT
(REFER TO STRUCTURE PLANS)

IH 43 SB

IH 43 NB

MATCHLINE 861NB+50

MATCHLINE 876NB+00

WETLAND BOUNDARY (TYP)

W BELOIT RD

S LANGLADE DR

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_78

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022004

PLOT DATE : 12/4/2020 11:56 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
- SILT FENCE

N

W BELOIT RD

WETLAND BOUNDARY (TYP)

LAYTON RAMP D

LAYTON RAMP A

IH 43 SB

IH 43 NB

878SBR 878SB 880SB 882SBR 882SB 884SBR 884SB 886SBR 886SB 888SBR 888SB

878NB 880NB 882NBR 882NB 884NBR 884NB 886NBR 886NB 888NBR 888NB 890NBR 890NB

MATCHLINE 876NB+00

MATCHLINE 890NB+50

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_79

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022005

PLOT DATE : 12/4/2020 11:59 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

LAYTON RAMP D

LAYTON RAMP A

IH 43 SB

IH 43 NB

S 124TH ST

MATCHLINE 890NB+50

MATCHLINE 21+00

WETLAND BOUNDARY (TYP)

890SBR
892SBR
894SBR
896SBR
898SBR
900SBR
902SBR
902NBR
900NBR
898NBR
896NBR
894NBR
892NBR
892SB
894SB
896SB
898SB
900SB
902SB
892NB
894NB
896NB
898NB
900NB
902NB

B
D

EROSION CONTROL LEGEND

	INLET PROTECTION TYPE (B,C,D)	####	EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
	SURFACE WATER FLOW		SILT FENCE
	SLOPE INTERCEPT		

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_80

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022006

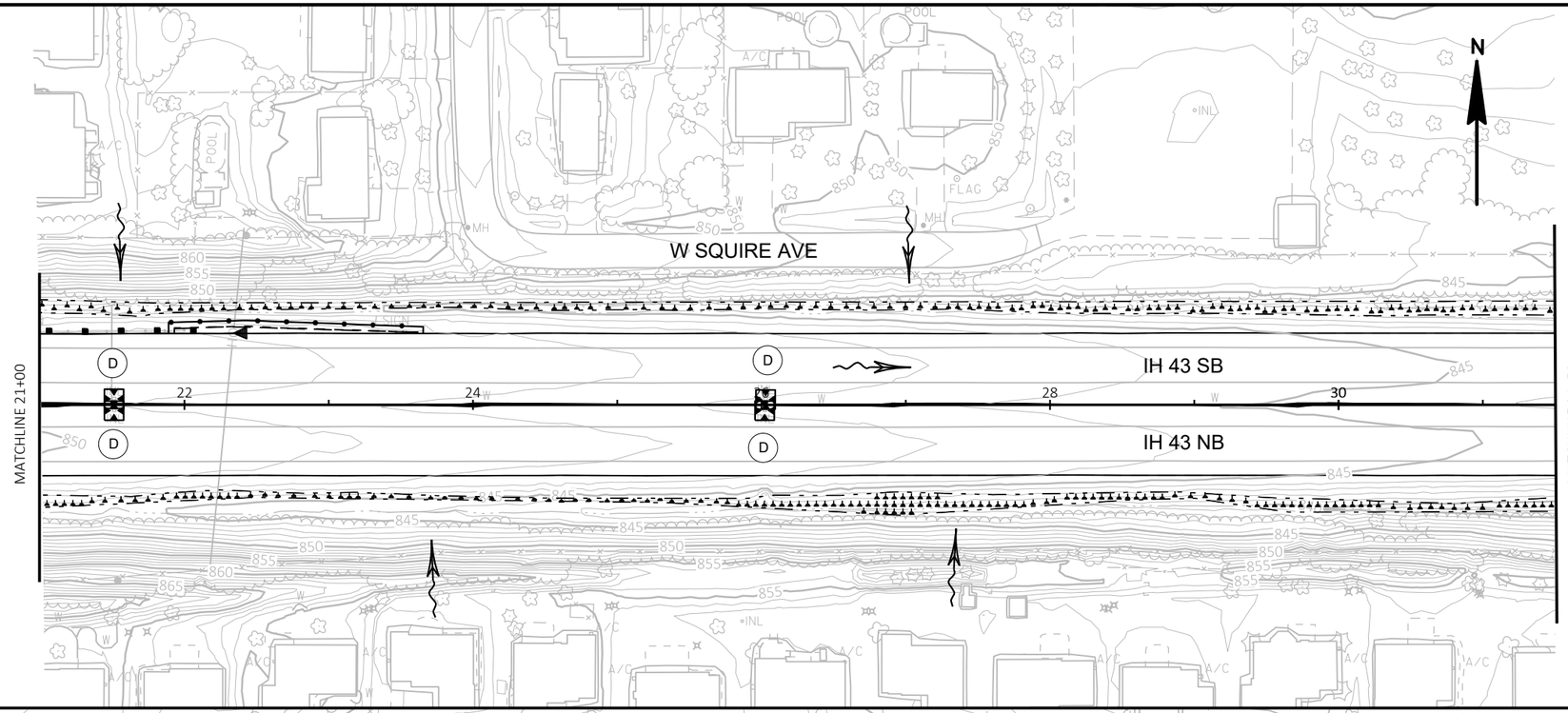
PLOT DATE : 12/4/2020 12:03 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

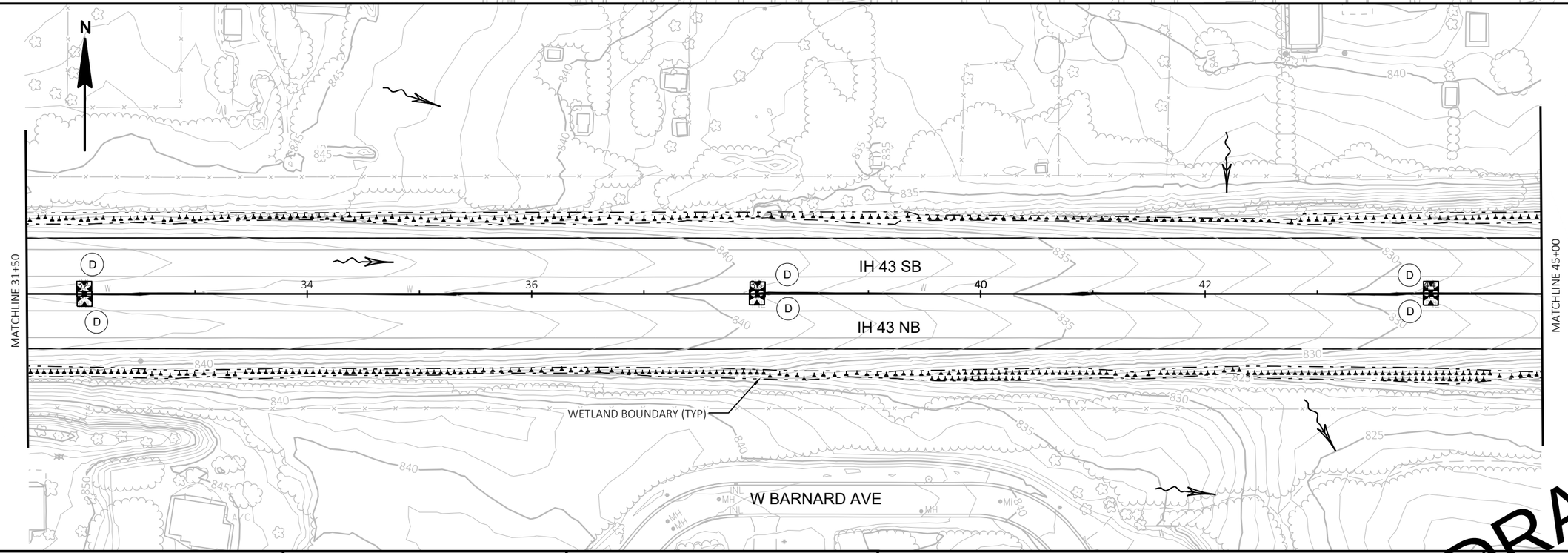
WISDOT/CADDS SHEET 42

2

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_81

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022007

PLOT DATE : 12/4/2020 12:08 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

W LAYTON AVE

S 116TH ST

IH 43 SB

IH 43 NB

PROPOSED STORM SEWER PIPE

PROPOSED STORM SEWER PIPE

WETLAND BOUNDARY (TYP)

MATCHLINE 45+00

MATCHLINE 59+50

BASKETBALL COURT

POOL

ATHLETIC FIELD

RIPRAP

N

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SILT FENCE
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- RIP RAP
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER, TYPE B & SEEDING MIXTURE NO. 70A

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

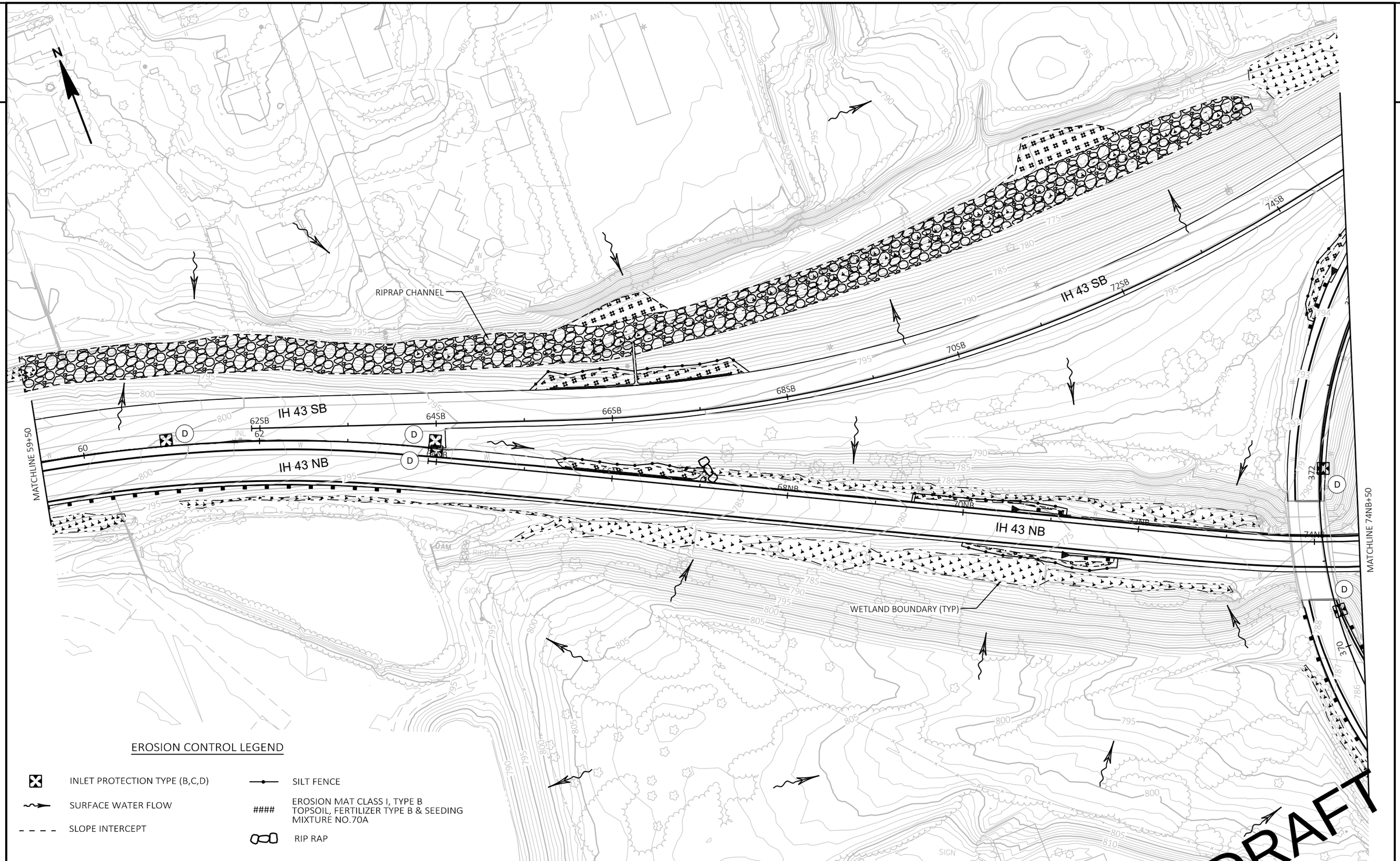
PRE_82

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022008

PLOT DATE : 11/25/2020 2:31 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- SILT FENCE
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
- RIP RAP

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_83

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022009

PLOT DATE : 12/4/2020 6:16 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
- SILT FENCE

MATCHLINE 74NB+50

IH 43 NB

SB OFF RAMP TO STH 100

STH 100 SB

STH 100 NB

WETLAND BOUNDARY (TYP)

IH 43 SB

NB ON RAMP FROM STH 100

MATCHLINE 85NB+00

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

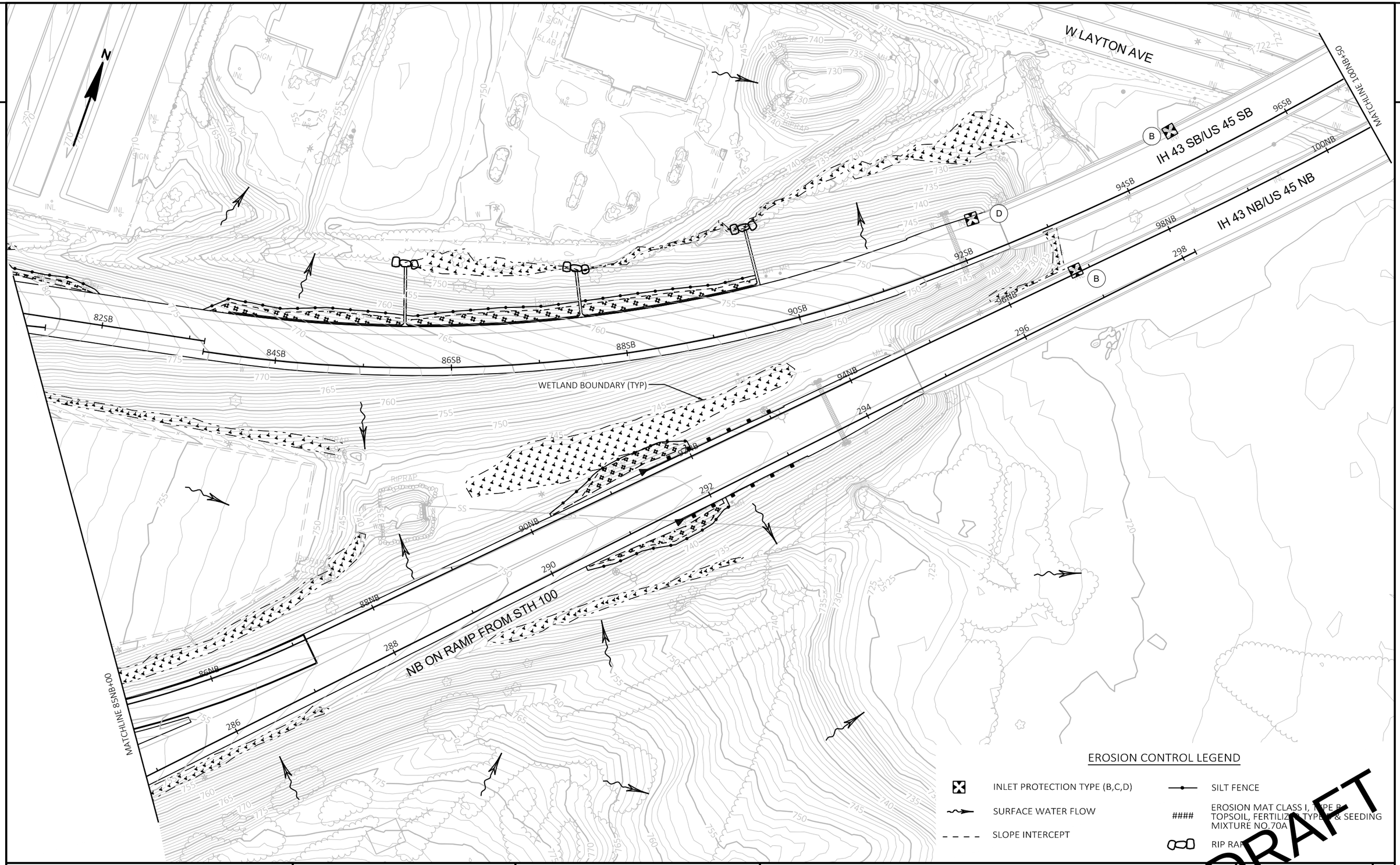
PRE_84

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022010

PLOT DATE : 12/4/2020 1:37 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

PRE_85

2

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
- SLOPE INTERCEPT

N

MATCHLINE 100NB+50

IH 43 SB / US 45 SB

IH 43 NB / US 45 NB

98SB 100SB 102SB 104SB 106SB 108SB 110SB 44SB 46SB 48SB

102NB 104NB 106NB 108NB 110NB 112NB 114NB 200NB 202NB 204NB 206NB

ROOT R.

RIPRAP

WETLAND BOUNDARY (TYP)

S ROOT RIVER PKWY

LAYTON AVENUE

MATCHLINE 115NB+50

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

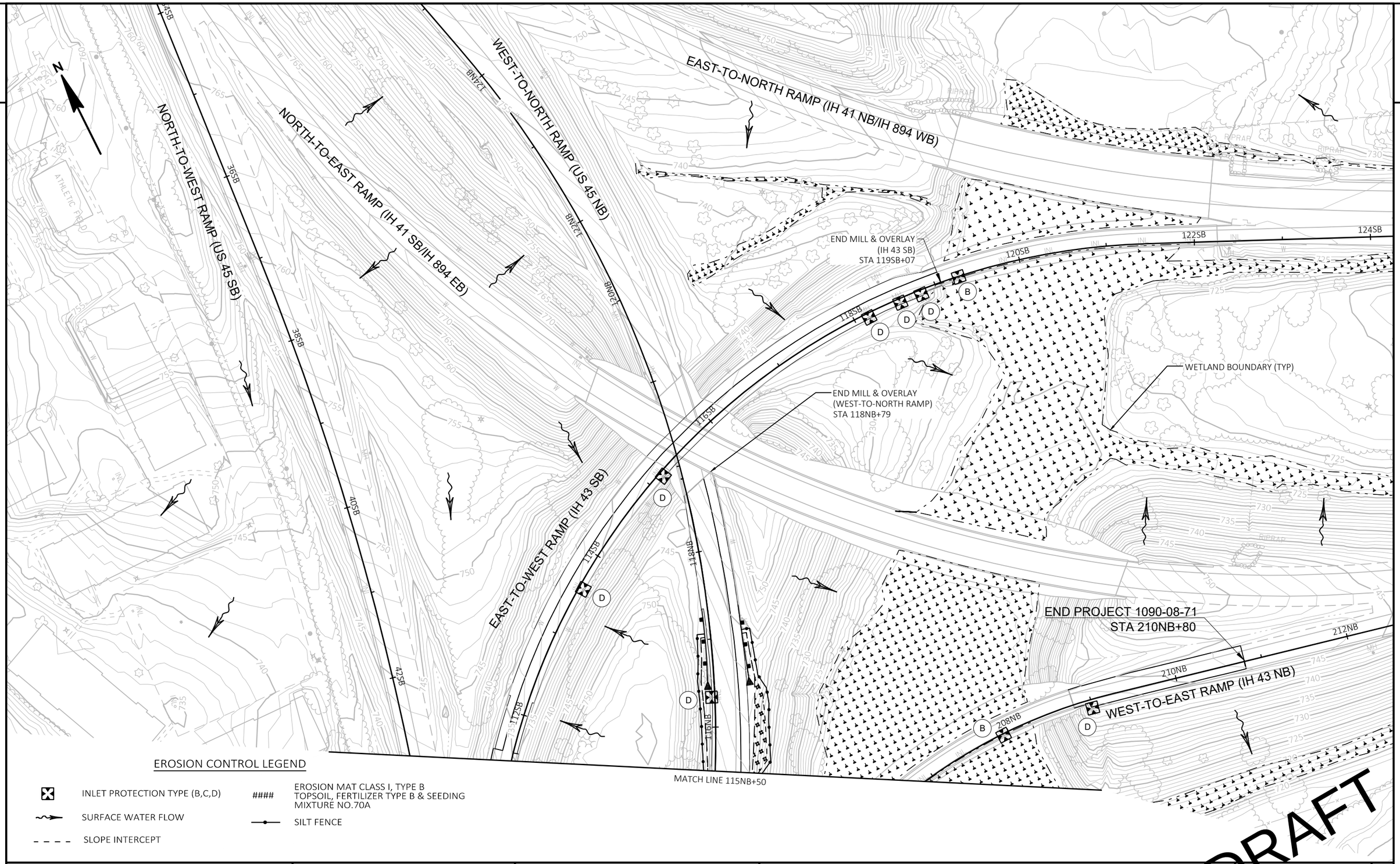
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022012

PLOT DATE : 12/4/2020 1:46 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_86

WISDOT/CADDS SHEET 42

2


NORTH-TO-WEST RAMP (US 45 SB)
NORTH-TO-EAST RAMP (IH 41 SB/IH 894 EB)
WEST-TO-NORTH RAMP (US 45 NB)
EAST-TO-NORTH RAMP (IH 41 NB/IH 894 WB)
EAST-TO-WEST RAMP (IH 43 SB)
WEST-TO-EAST RAMP (IH 43 NB)
END MILL & OVERLAY
(IH 43 SB)
STA 119SB+07
END MILL & OVERLAY
(WEST-TO-NORTH RAMP)
STA 118NB+79
WETLAND BOUNDARY (TYP)
END PROJECT 1090-08-71
STA 210NB+80
MATCH LINE 115NB+50
ATHLETIC FIELD
RIPRAP
124SB
122SB
120SB
118SB
116SB
114SB
112SB
110SB
108SB
106SB
104SB
102SB
100SB
124NB
122NB
120NB
118NB
116NB
114NB
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4NB
2NB
365B
385B
405B
425B
445B
465B
485B
505B
525B
545B
565B
585B
605B
625B
645B
665B
685B
705B
725B
745B
765B
785B
805B
825B
845B
865B
885B
905B
925B
945B
965B
985B
1005B
1025B
1045B
1065B
1085B
1105B
1125B
1145B

2

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE (B,C,D)
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- #### EROSION MAT CLASS I, TYPE B TOPSOIL, FERTILIZER TYPE B & SEEDING MIXTURE NO.70A
- SILT FENCE

N

ON RAMP TO IH 43 WB

790SB on ramp

WETLAND BOUNDARY (TYP)

S MOORLAND RD

OFF RAMP FROM IH 43 WB

IH 43 SB

IH 43 NB

IH 43 NB ON RAMP FROM CTH O NB

784SB 786SB 788SB 790SB 792SB 794SB 796SB 798SB

784NB 786NB 788NB 790NB 792NB 794NB 796NB 798NB

784 786 788 790 792 794 796 798

25SB 28SB 30SB 32SB 34SB 36SB 38SB

25NB 28NB 30NB 32NB 34NB 36NB 38NB

SLOPE INTERCEPT

SCALE 1 IN:20 FT

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	EROSION CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022014

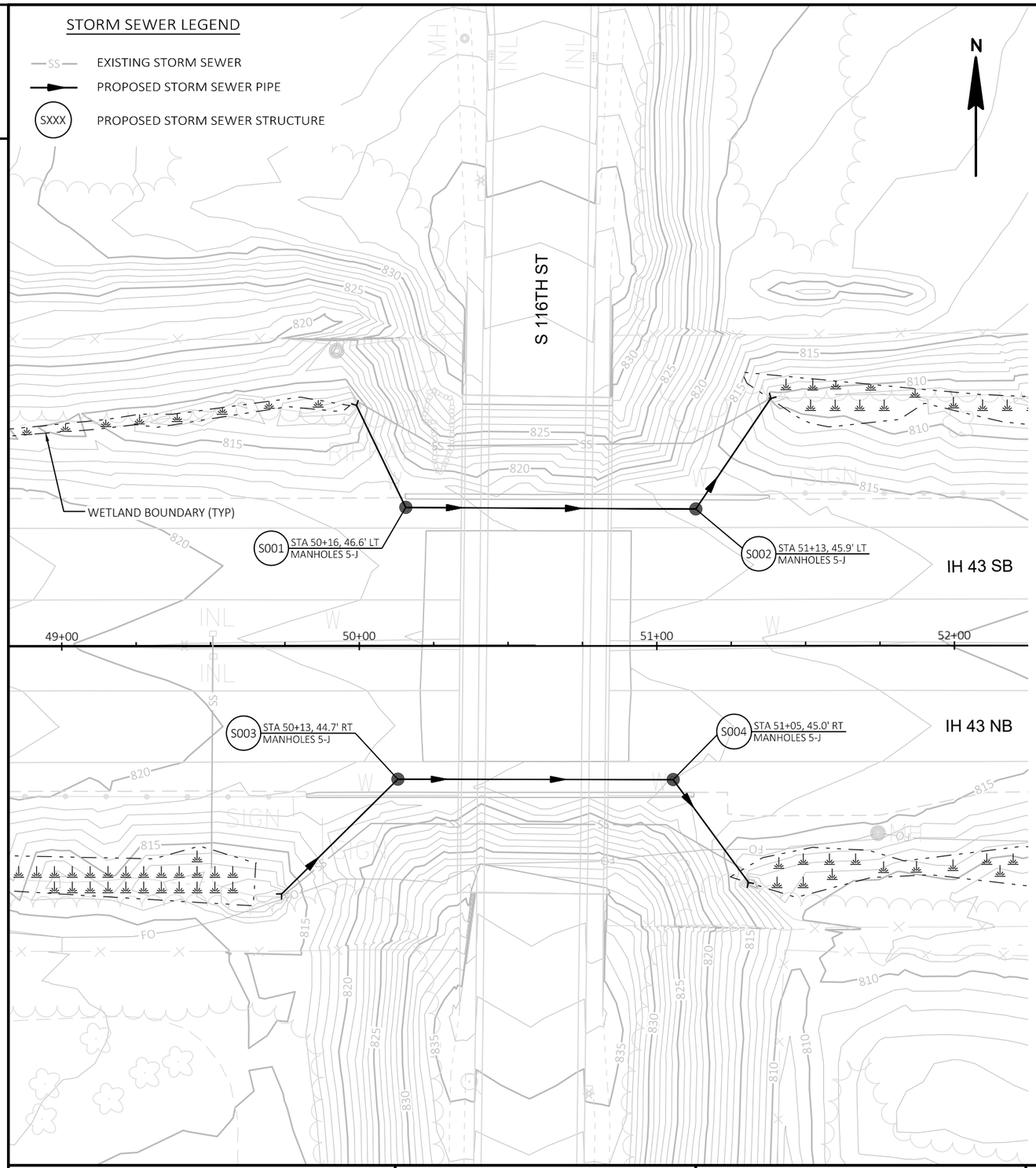
PLOT DATE : 12/4/2020 1:53 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

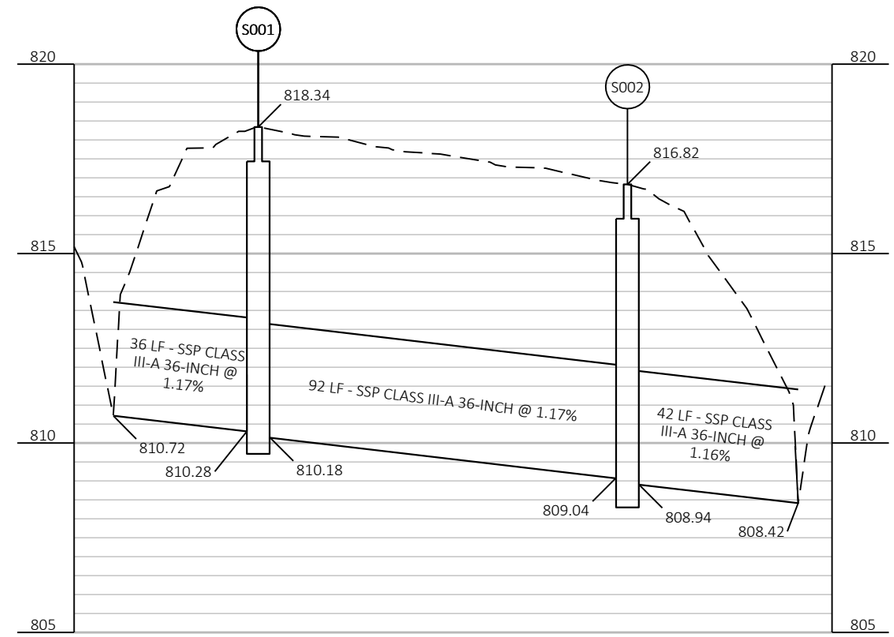
PRE_88

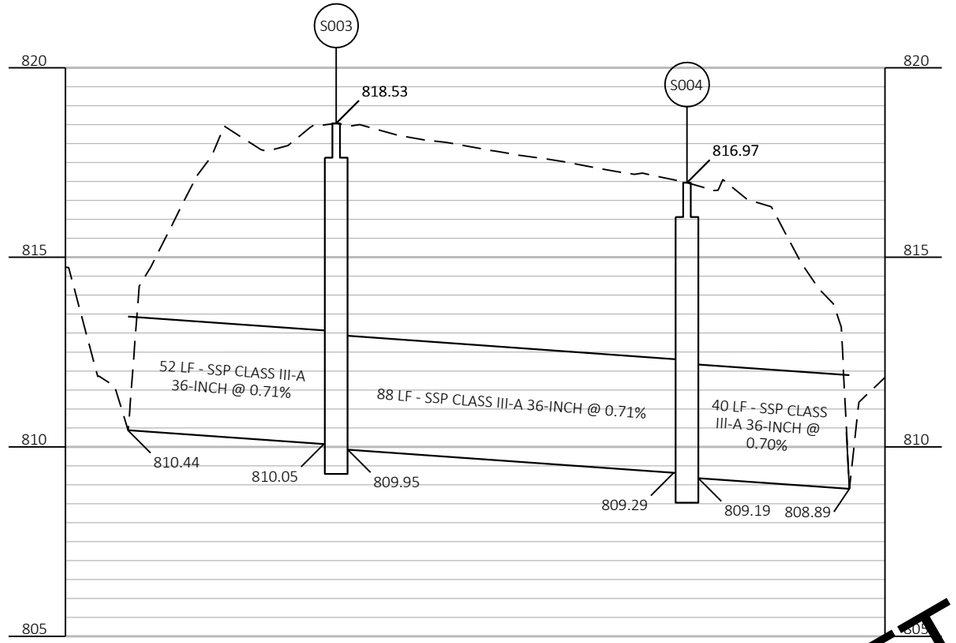
WISDOT/CADDS SHEET 42

STORM SEWER LEGEND

- SS — EXISTING STORM SEWER
- PROPOSED STORM SEWER PIPE
- SXXX — PROPOSED STORM SEWER STRUCTURE







DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	STORM SEWER	SHEET E

PRE_89

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022008

PLOT DATE : 11/25/2020 3:24 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

5 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)

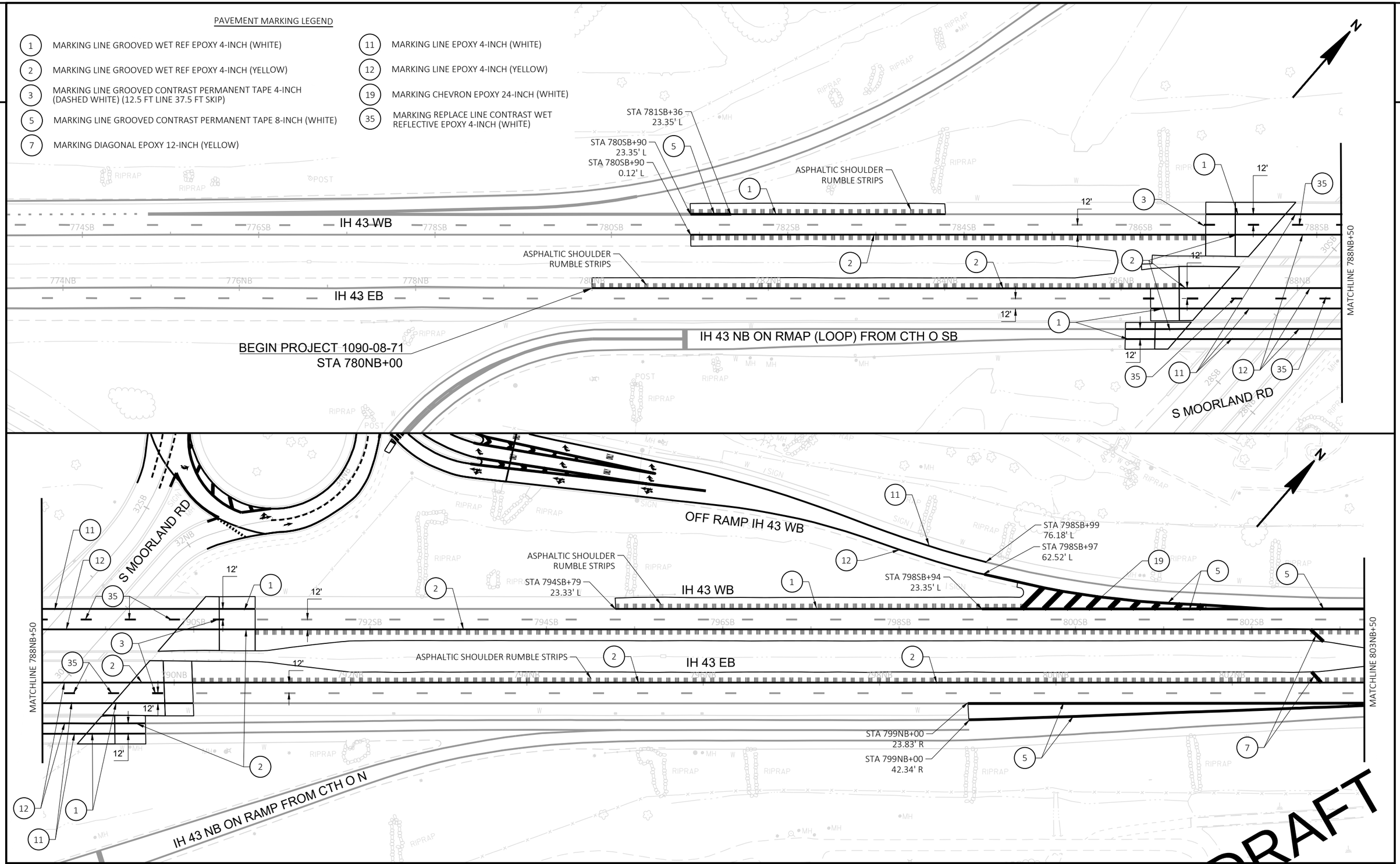
7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

11 MARKING LINE EPOXY 4-INCH (WHITE)

12 MARKING LINE EPOXY 4-INCH (YELLOW)

19 MARKING CHEVRON EPOXY 24-INCH (WHITE)

35 MARKING REPLACE LINE CONTRAST WET REFLECTIVE EPOXY 4-INCH (WHITE)



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501

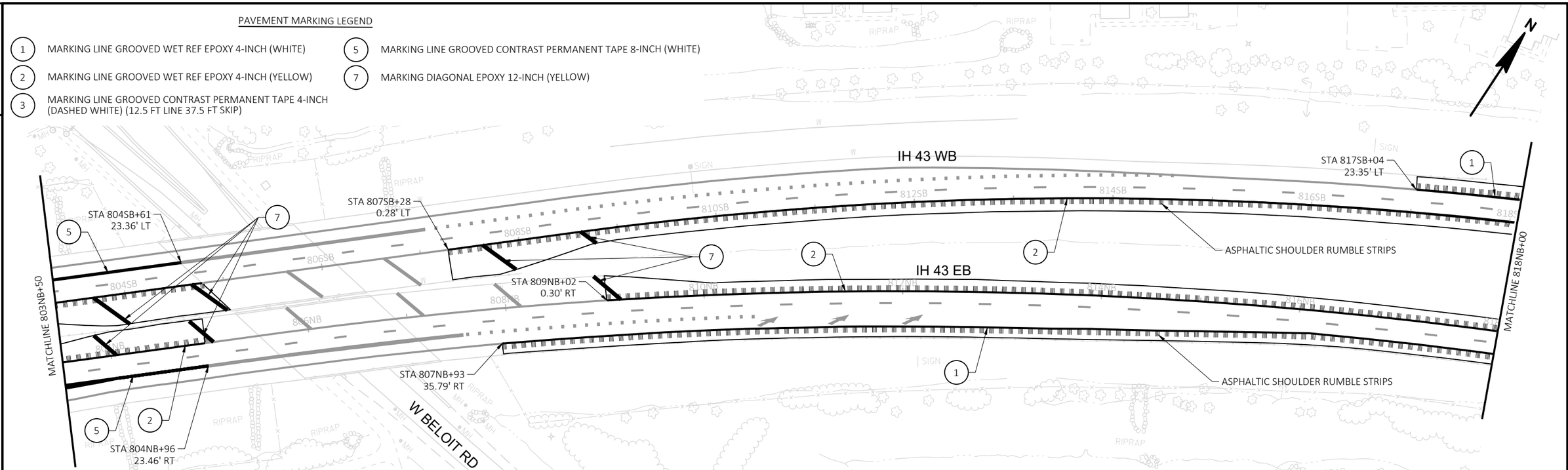
PLOT DATE : 11/27/2020 3:37 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

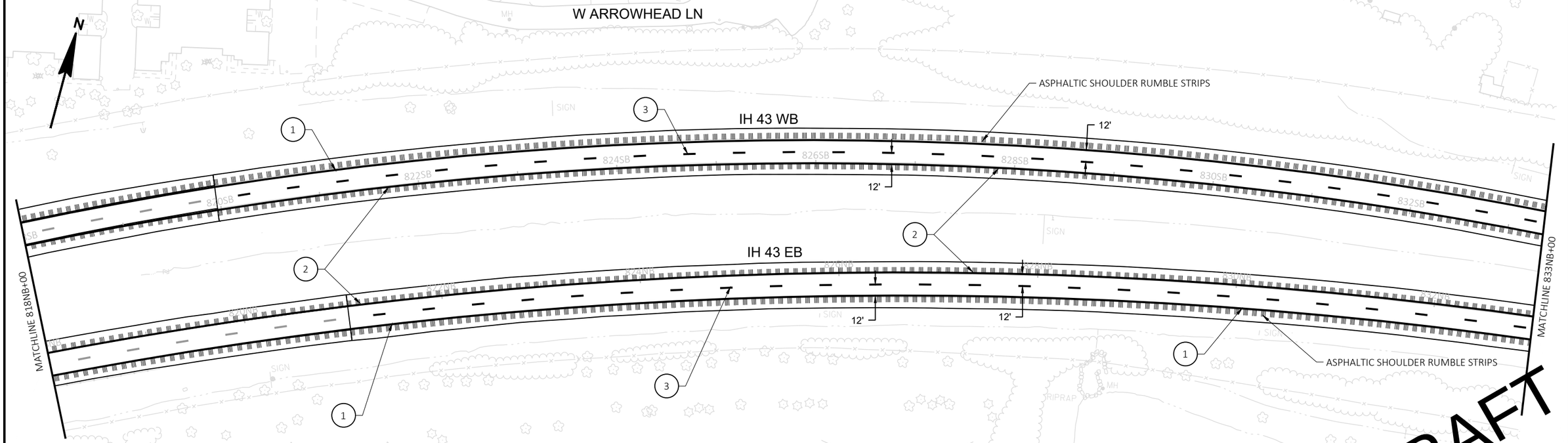
PRE_90

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
7. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024502

PLOT DATE : 11/27/2020 3:10 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_91

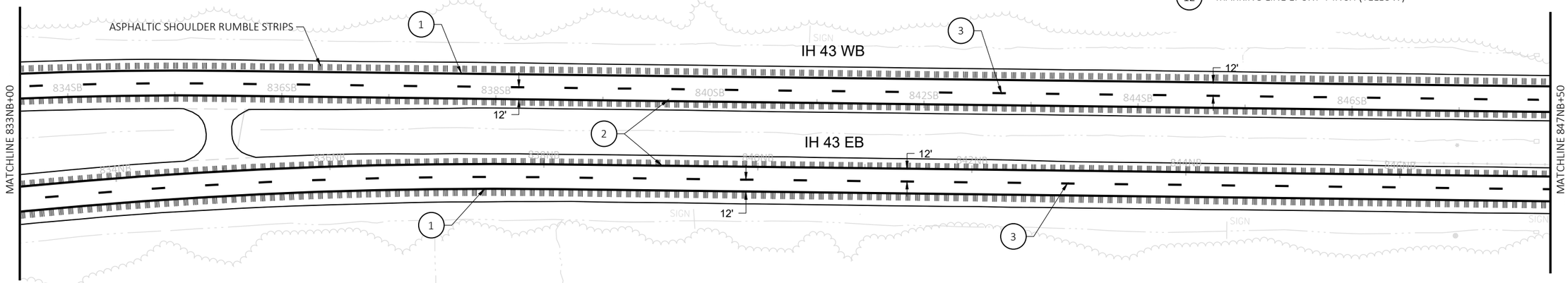
WISDOT/CADDS SHEET 42

2

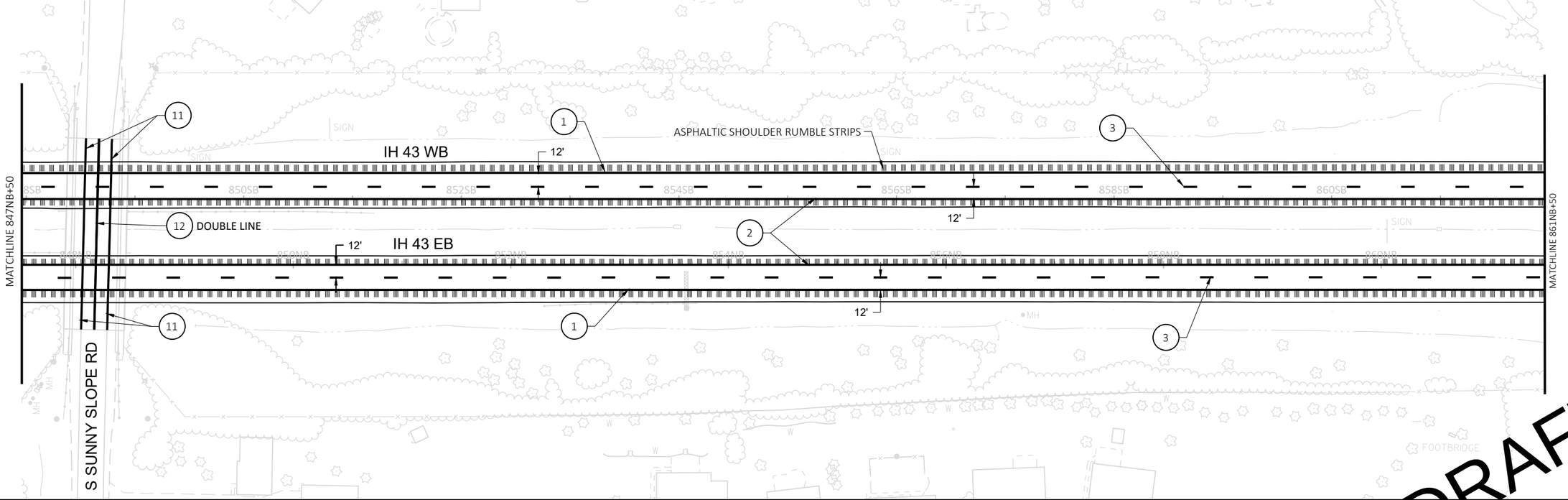
N

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
11. MARKING LINE EPOXY 4-INCH (WHITE)
12. MARKING LINE EPOXY 4-INCH (YELLOW)



N



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

PRE_92

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024503

PLOT DATE : 11/27/2020 3:19 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 100FT

2

N

W ARMOUR AVE

W BELOIT RD

S LANGLADE DR

IH 43 WB

IH 43 EB

ASPHALTIC SHOULDER RUMBLE STRIPS

ASPHALTIC SHOULDER RUMBLE STRIPS

12'

12'

12'

12'

SIGN

MATCHLINE 861NB+50

MATCHLINE 876NB+00

STA 875SB+67
14.66' LT

STA 875SB+29
11.87' RT

STA 874NB+25
11.95' LT

STA 873NB+95
11.10' RT

PAVEMENT MARKING LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)

11 MARKING LINE EPOXY 4-INCH (WHITE)

12 MARKING LINE EPOXY 4-INCH (YELLOW)

35 MARKING REPLACE LINE CONTRAST WET
REFLECTIVE EPOXY 4-INCH (WHITE)

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

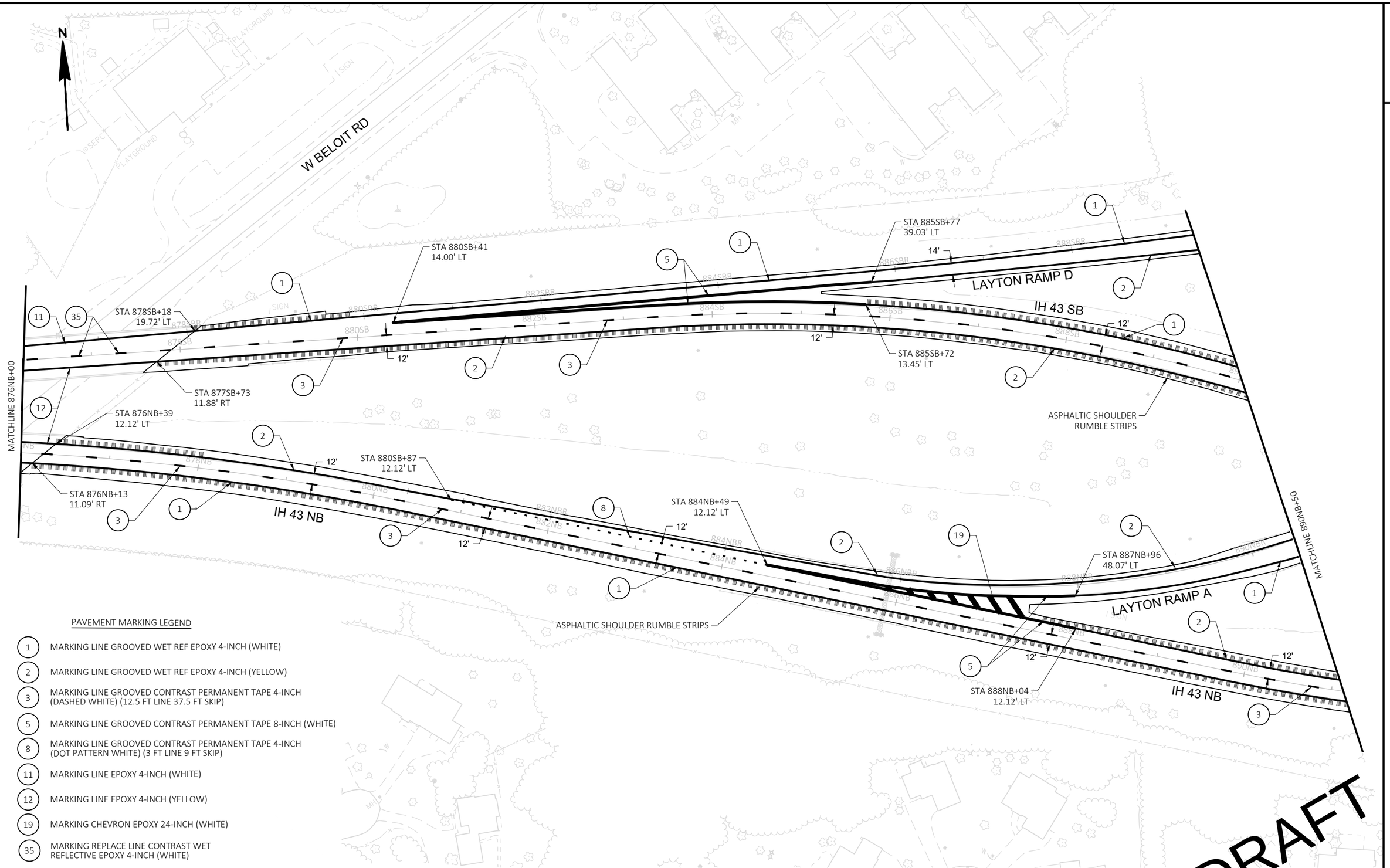
PRE_93

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024504

PLOT DATE : 11/27/2020 3:33 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
8. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
11. MARKING LINE EPOXY 4-INCH (WHITE)
12. MARKING LINE EPOXY 4-INCH (YELLOW)
19. MARKING CHEVRON EPOXY 24-INCH (WHITE)
35. MARKING REPLACE LINE CONTRAST WET REFLECTIVE EPOXY 4-INCH (WHITE)

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET

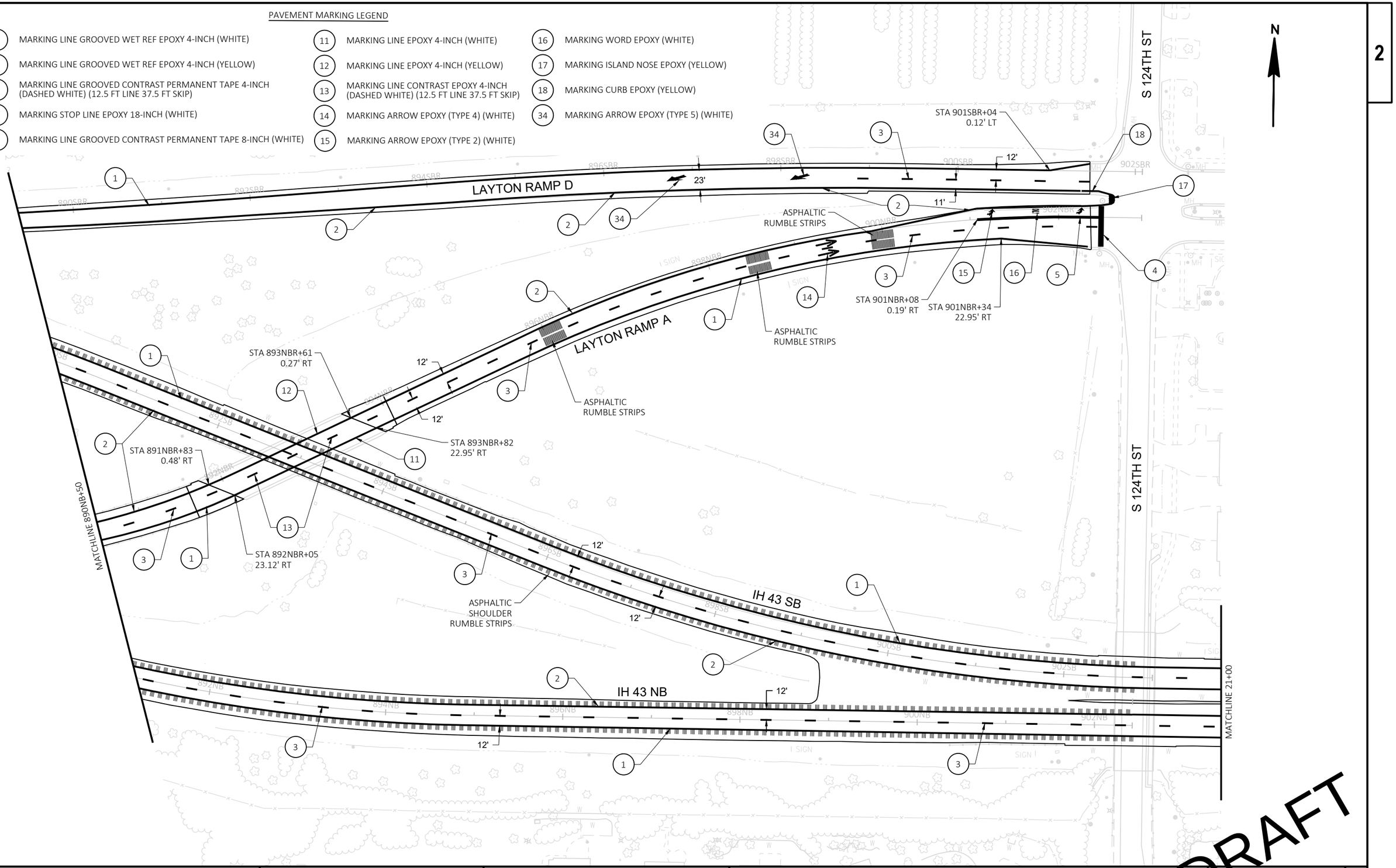
PRE_94

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024505
PLOT DATE : 11/27/2020 4:08 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING STOP LINE EPOXY 18-INCH (WHITE)
5. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
11. MARKING LINE EPOXY 4-INCH (WHITE)
12. MARKING LINE EPOXY 4-INCH (YELLOW)
13. MARKING LINE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING ARROW EPOXY (TYPE 4) (WHITE)
15. MARKING ARROW EPOXY (TYPE 2) (WHITE)
16. MARKING WORD EPOXY (WHITE)
17. MARKING ISLAND NOSE EPOXY (YELLOW)
18. MARKING CURB EPOXY (YELLOW)
34. MARKING ARROW EPOXY (TYPE 5) (WHITE)



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024506

PLOT DATE : 11/27/2020 5:17 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

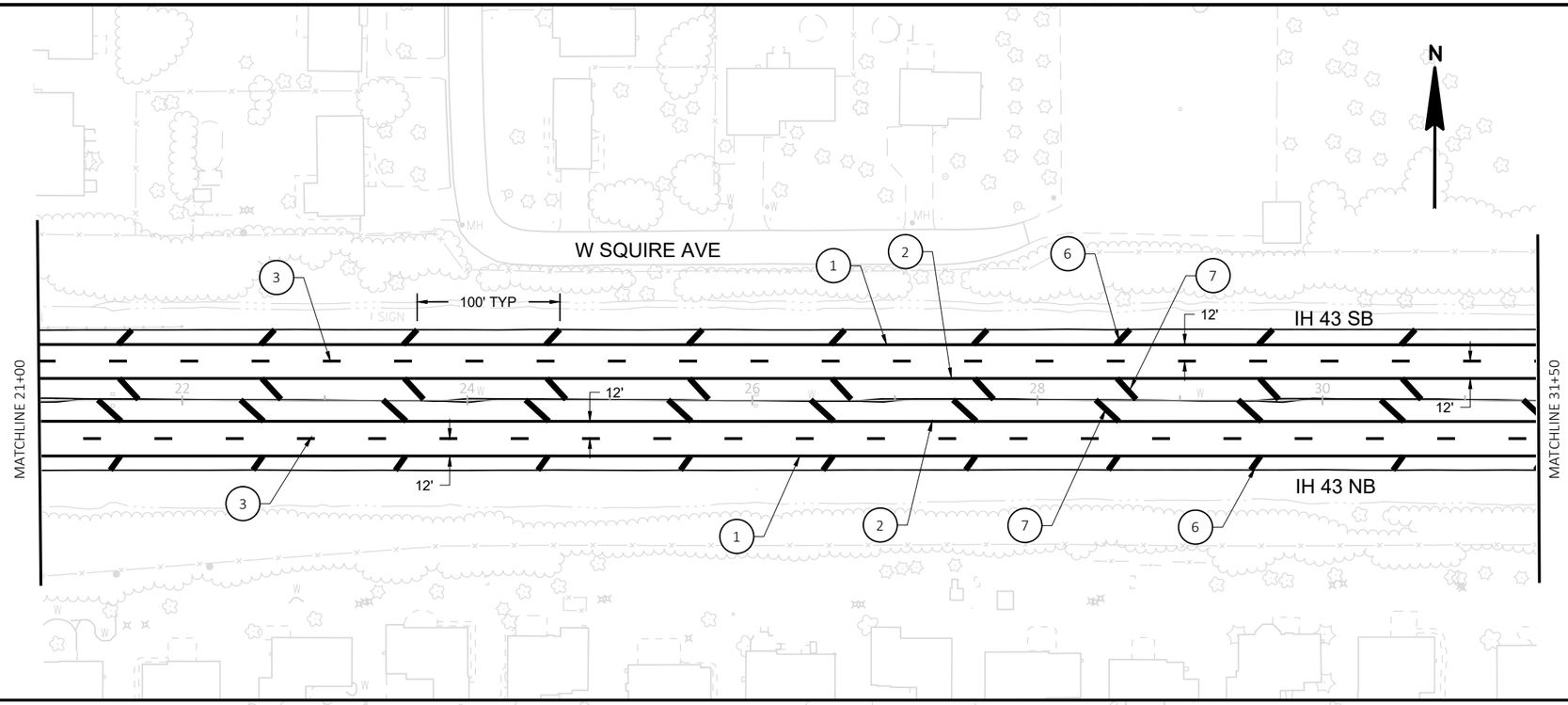
PRE_95

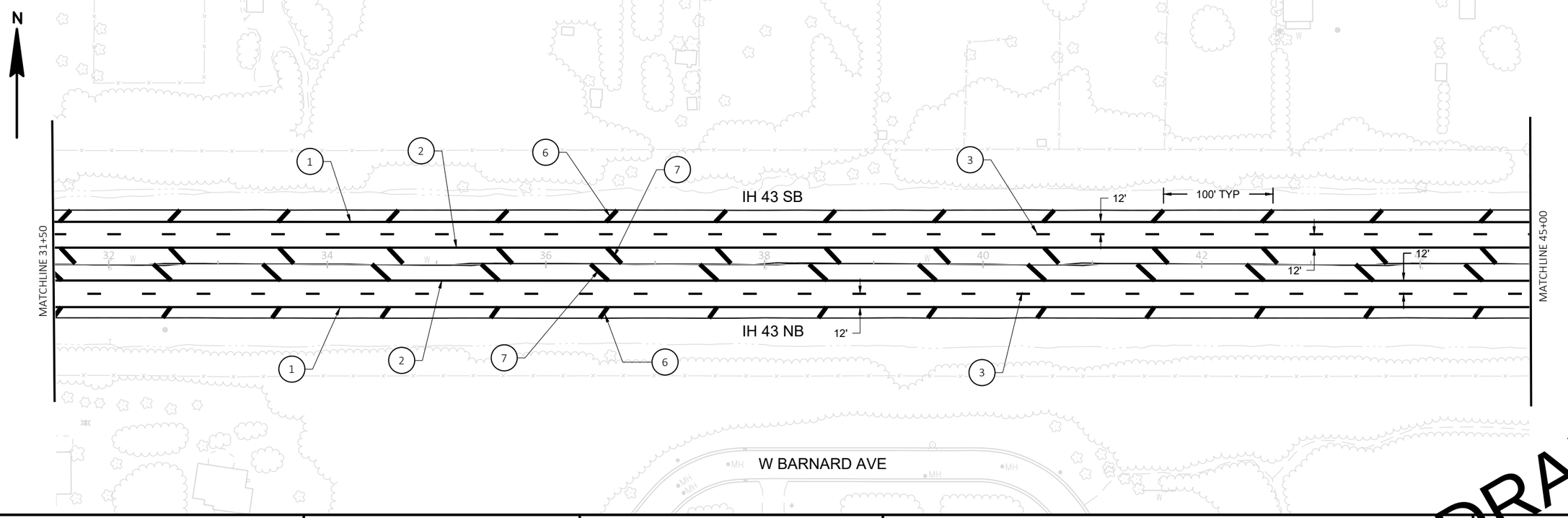
WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
7. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)





DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

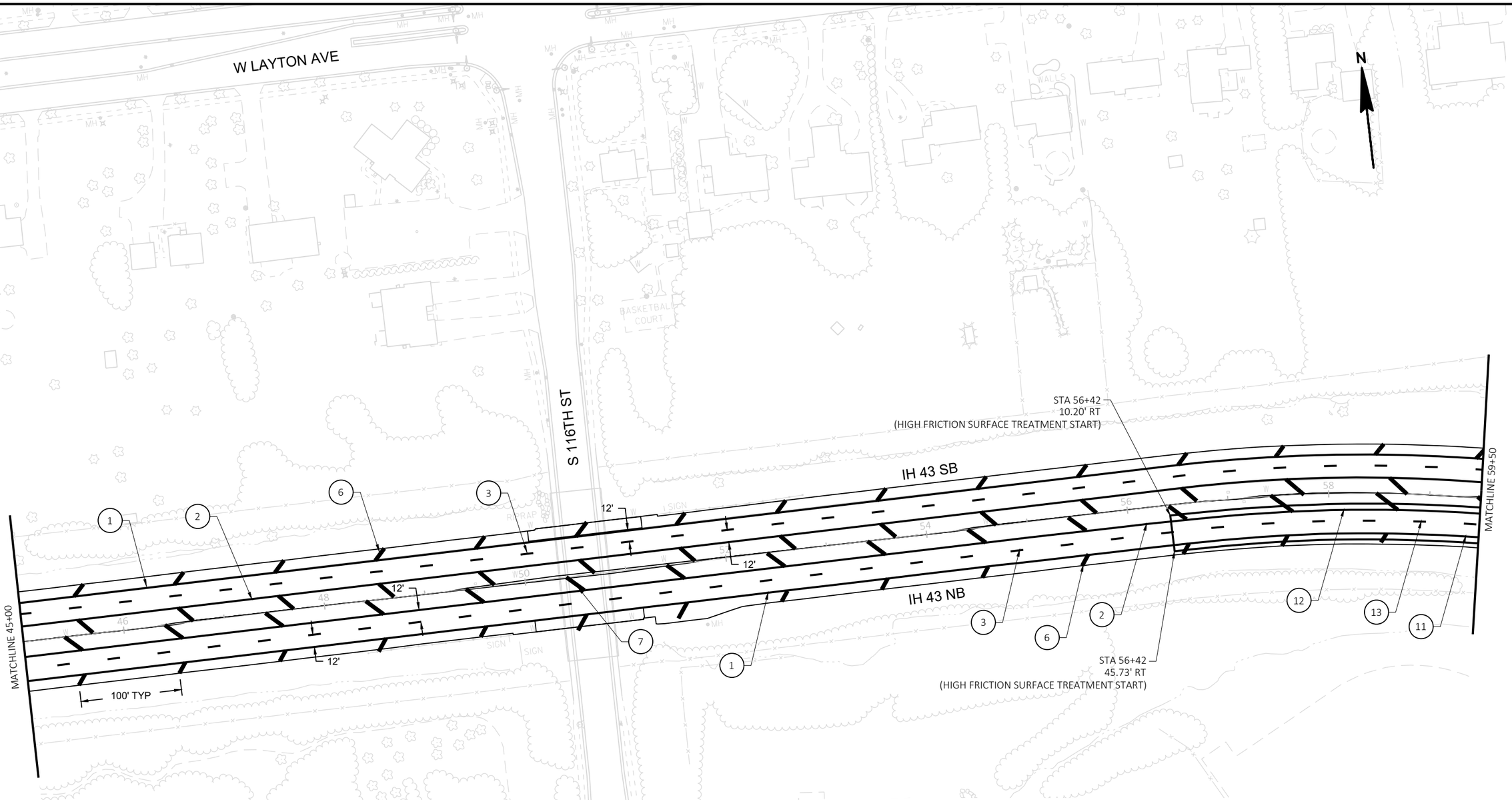
PRE_96

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024507

PLOT DATE : 11/27/2020 4:24 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)	11	MARKING LINE EPOXY 4-INCH (WHITE)
2	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)	12	MARKING LINE EPOXY 4-INCH (YELLOW)
3	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)	13	MARKING LINE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING DIAGONAL EPOXY 12-INCH (WHITE)		
7	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)		

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET PRE_97 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024508

PLOT DATE : 11/27/2020 4:27 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

PAVEMENT MARKING LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)

2 MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)

3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

6 MARKING DIAGONAL EPOXY 12-INCH (WHITE)

7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

11 MARKING LINE EPOXY 4-INCH (WHITE)

12 MARKING LINE EPOXY 4-INCH (YELLOW)

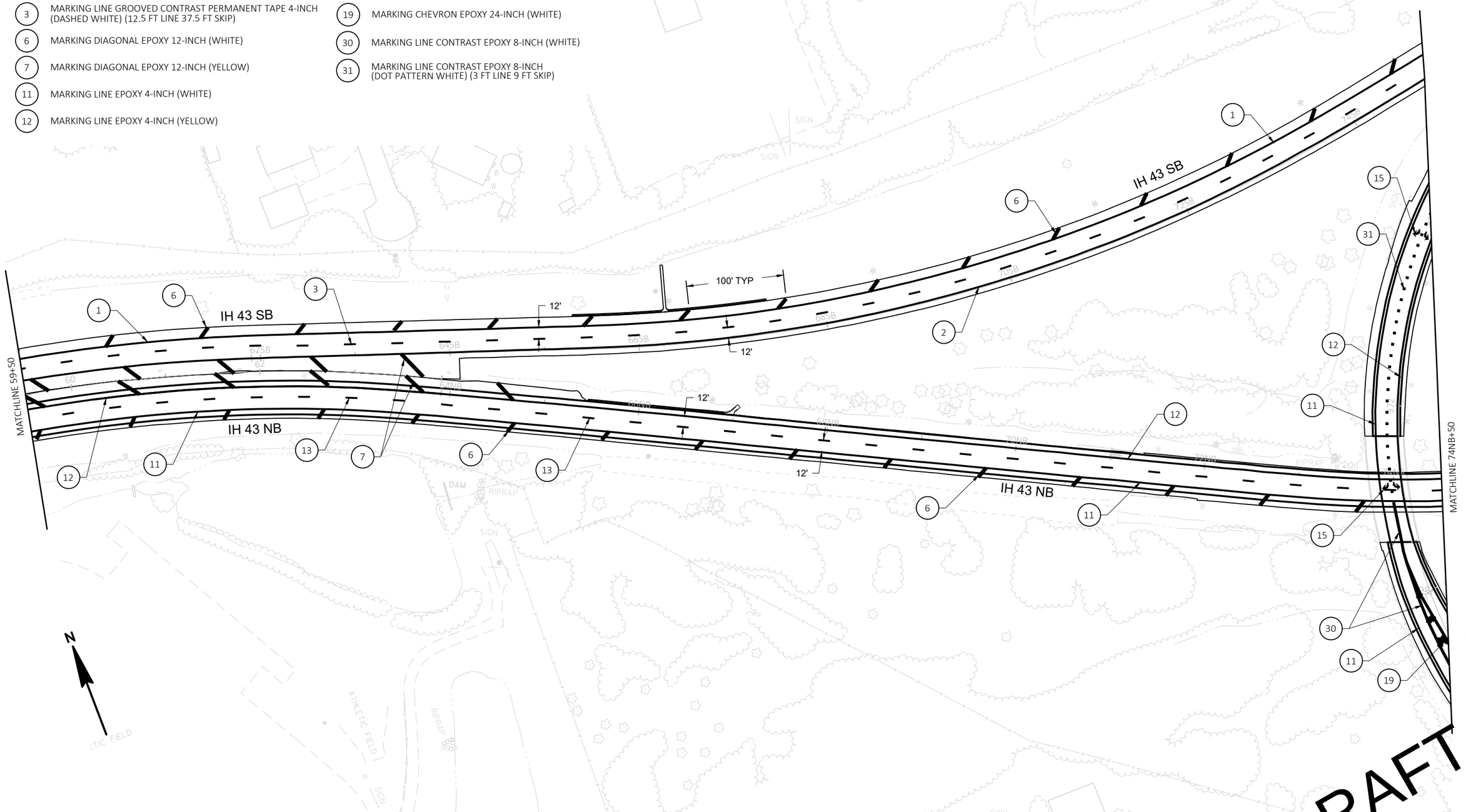
13 MARKING LINE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

15 MARKING ARROW EPOXY (TYPE 2) (WHITE)

19 MARKING CHEVRON EPOXY 24-INCH (WHITE)

30 MARKING LINE CONTRAST EPOXY 8-INCH (WHITE)

31 MARKING LINE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

PRE_98

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024509

PLOT DATE : 11/27/2020 4:31 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

1 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2 MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4 MARKING STOP LINE EPOXY 18-INCH (WHITE)
5 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
6 MARKING DIAGONAL EPOXY 12-INCH (WHITE)
7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
9 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
11 MARKING LINE EPOXY 4-INCH (WHITE)
12 MARKING LINE EPOXY 4-INCH (YELLOW)
13 MARKING LINE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
14 MARKING ARROW EPOXY (TYPE 4) (WHITE)
19 MARKING CHEVRON EPOXY 24-INCH (WHITE)
20 MARKING SYMBOL EPOXY (WHITE)
30 MARKING LINE CONTRAST EPOXY 8-INCH (WHITE)
31 MARKING LINE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
33 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)

MATCHLINE 74NB+50

IH 43 NB

STH 100 SB

STH 100 NB

SB OFF RAMP TO STH 100

STA 366+24
3.76' LT

STA 366+24
2.43' RT

14'

12'

STA 21+47
3.32' RT
(HIGH FRICTION SURFACE TREATMENT END)

STA 21+47
16.89' LT
(HIGH FRICTION SURFACE TREATMENT END)

STA 376+47
24.19' LT

STA 376+38
0.88' LT

STA 76SB+54
24.28' LT

STA 76SB+49
1.25' LT

STA 78SB+21
3.87' RT

STA 378+16
0.74' LT

STA 79SB+02
0.73' LT

IH 43 SB

13'

11'

100' TYP

STA 282+27
24.00' LT

NB ON RAMP FROM STH 100

MATCHLINE 85NB+00

N

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

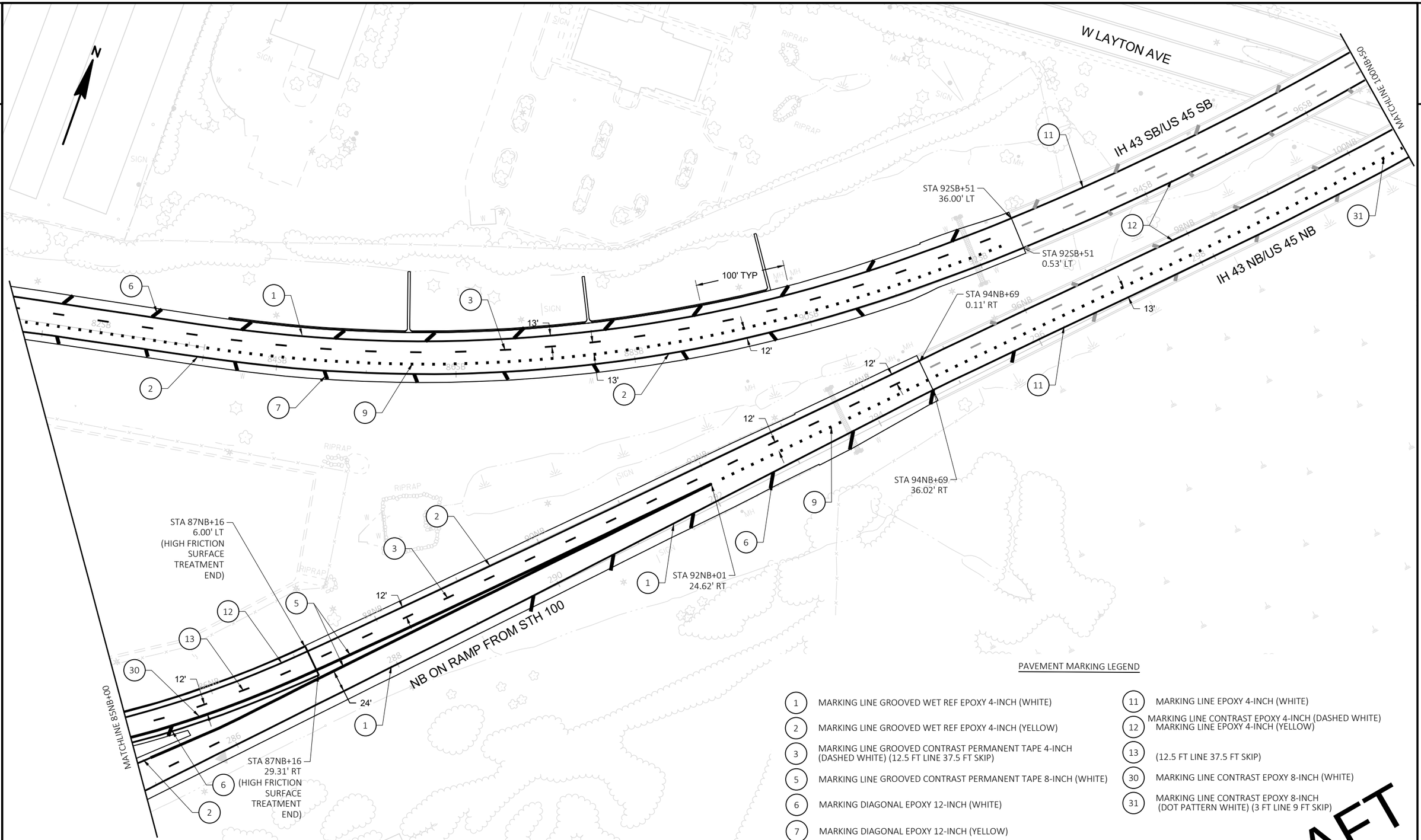
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024510

PLOT DATE : 11/27/2020 4:36 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_99

WISDOT/CADDS SHEET 42

2



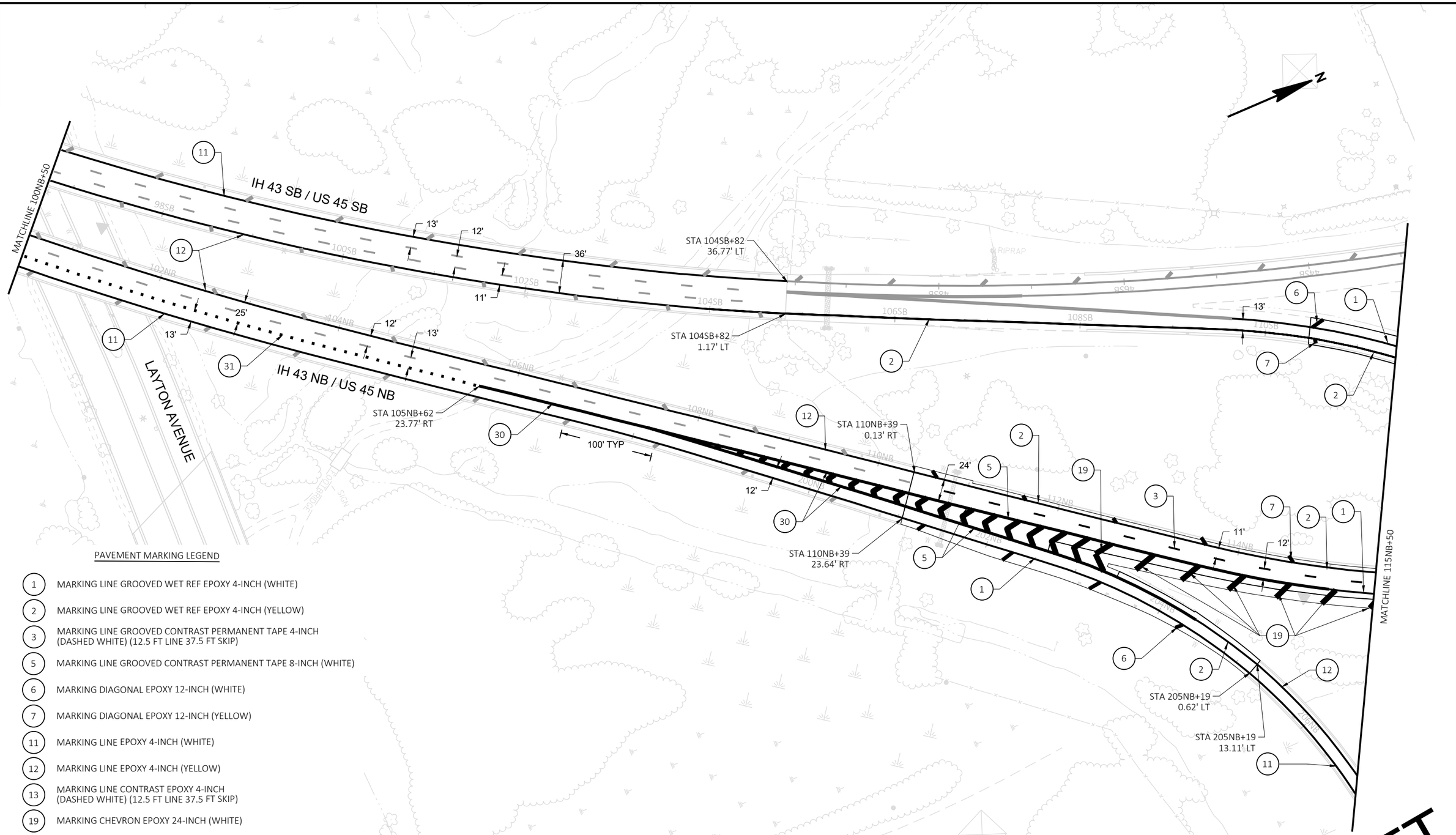
PAVEMENT MARKING LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)	11	MARKING LINE EPOXY 4-INCH (WHITE)
2	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)	12	MARKING LINE CONTRAST EPOXY 4-INCH (DASHED WHITE) MARKING LINE EPOXY 4-INCH (YELLOW)
3	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)	13	(12.5 FT LINE 37.5 FT SKIP)
5	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)	30	MARKING LINE CONTRAST EPOXY 8-INCH (WHITE)
6	MARKING DIAGONAL EPOXY 12-INCH (WHITE)	31	MARKING LINE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
7	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)		
9	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOTT PATTERN WHITE) (3 FT LINE 9 FT SKIP)		

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET PRE_100 E

2



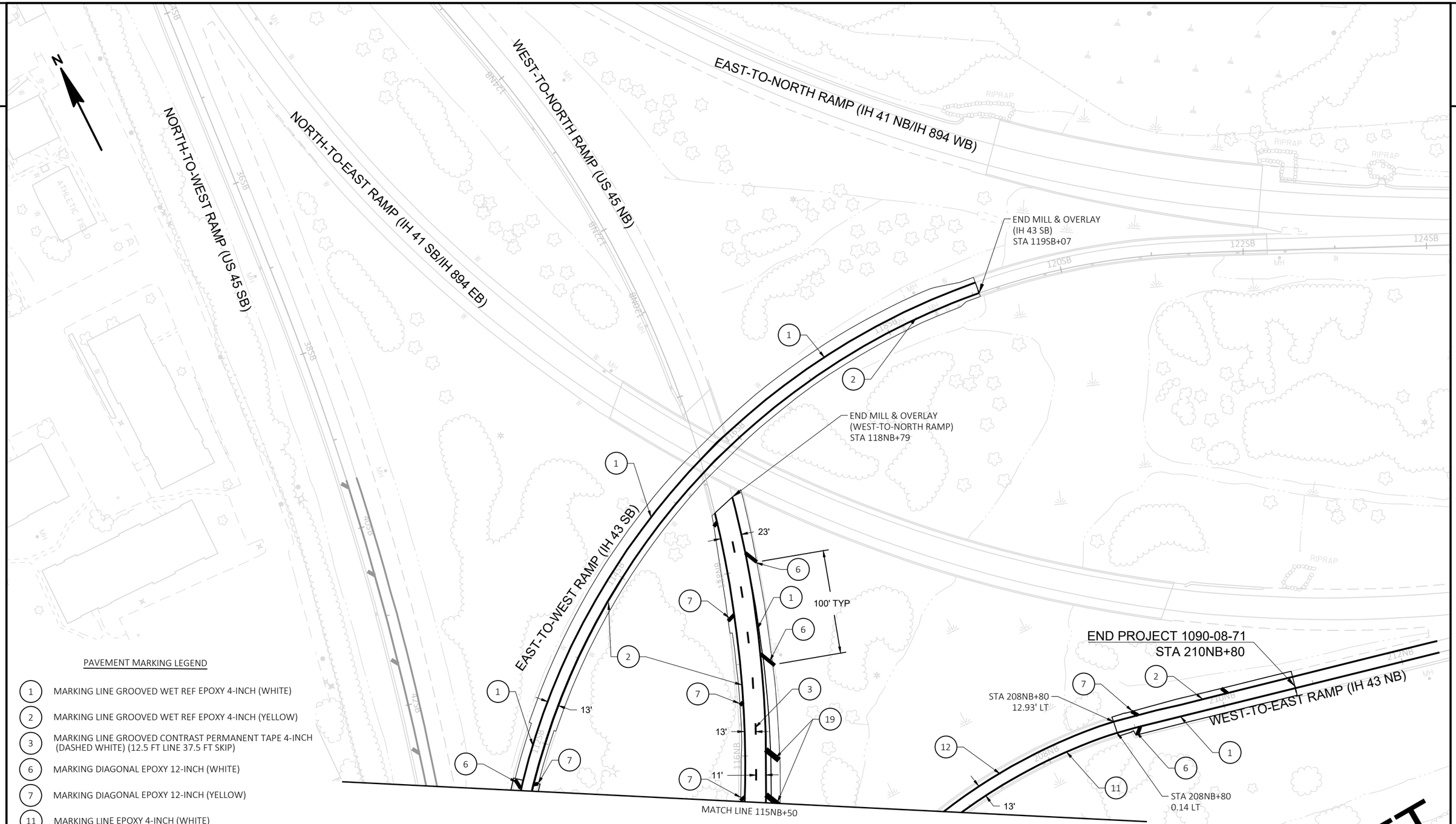
PAVEMENT MARKING LEGEND

1. MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2. MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5. MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
6. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
7. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING LINE EPOXY 4-INCH (WHITE)
12. MARKING LINE EPOXY 4-INCH (YELLOW)
13. MARKING LINE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
19. MARKING CHEVRON EPOXY 24-INCH (WHITE)
30. MARKING LINE CONTRAST EPOXY 8-INCH (WHITE)
31. MARKING LINE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET PRE_101 E

2



PAVEMENT MARKING LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE)
2	MARKING LINE GROOVED WET REF EPOXY 4-INCH (YELLOW)
3	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING DIAGONAL EPOXY 12-INCH (WHITE)
7	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11	MARKING LINE EPOXY 4-INCH (WHITE)
12	MARKING LINE EPOXY 4-INCH (YELLOW)
19	MARKING CHEVRON EPOXY 24-INCH (WHITE)

DRAFT

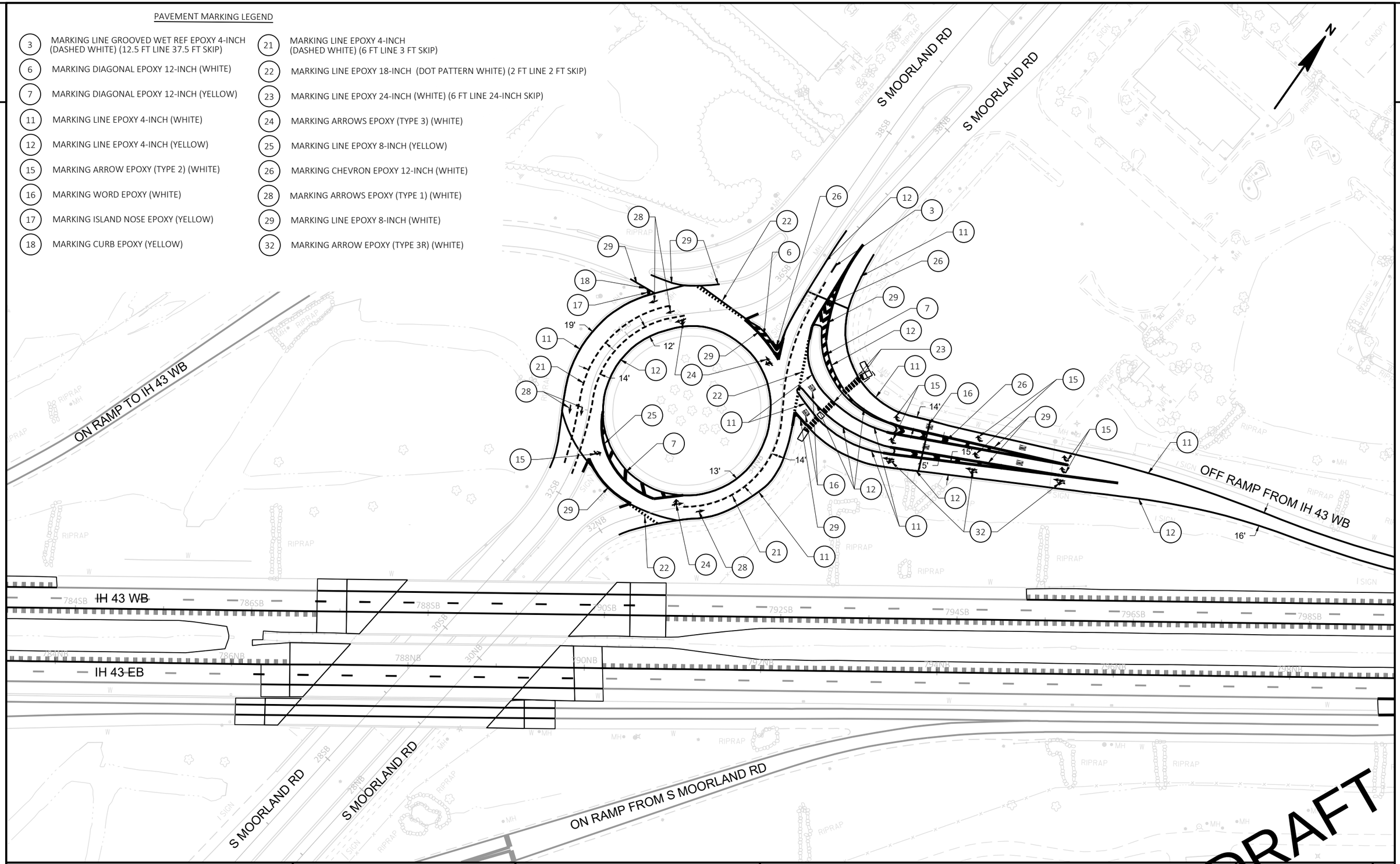
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET

PRE_102

E

PAVEMENT MARKING LEGEND

3 MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)	21 MARKING LINE EPOXY 4-INCH (DASHED WHITE) (6 FT LINE 3 FT SKIP)
6 MARKING DIAGONAL EPOXY 12-INCH (WHITE)	22 MARKING LINE EPOXY 18-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
7 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)	23 MARKING LINE EPOXY 24-INCH (WHITE) (6 FT LINE 24-INCH SKIP)
11 MARKING LINE EPOXY 4-INCH (WHITE)	24 MARKING ARROWS EPOXY (TYPE 3) (WHITE)
12 MARKING LINE EPOXY 4-INCH (YELLOW)	25 MARKING LINE EPOXY 8-INCH (YELLOW)
15 MARKING ARROW EPOXY (TYPE 2) (WHITE)	26 MARKING CHEVRON EPOXY 12-INCH (WHITE)
16 MARKING WORD EPOXY (WHITE)	28 MARKING ARROWS EPOXY (TYPE 1) (WHITE)
17 MARKING ISLAND NOSE EPOXY (YELLOW)	29 MARKING LINE EPOXY 8-INCH (WHITE)
18 MARKING CURB EPOXY (YELLOW)	32 MARKING ARROW EPOXY (TYPE 3R) (WHITE)



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PAVEMENT MARKING	SHEET E

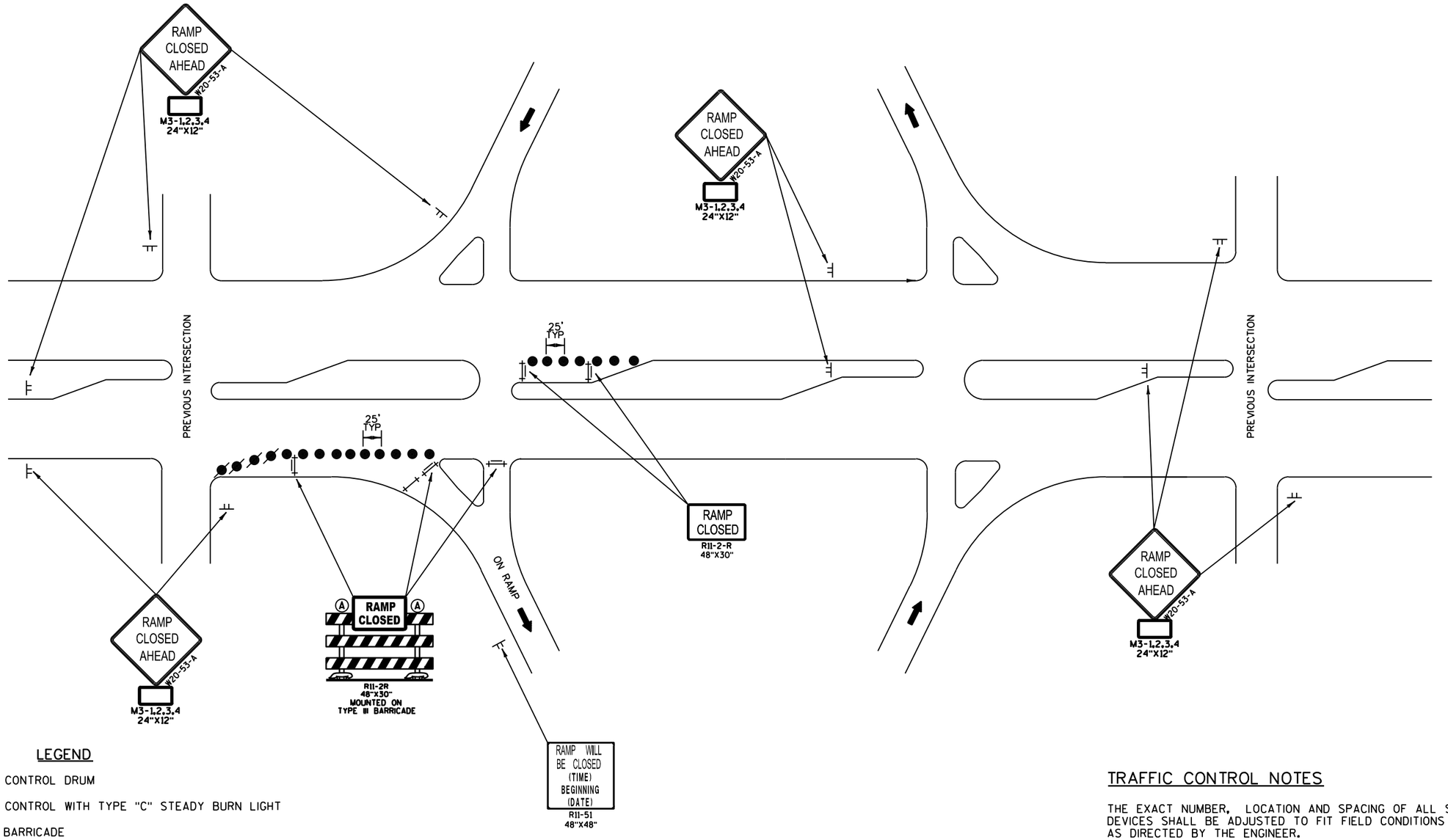
PRE_103

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024514

PLOT DATE : 11/27/2020 4:52 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH 2 TYPE "A" WARNING LIGHT (FLASHING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

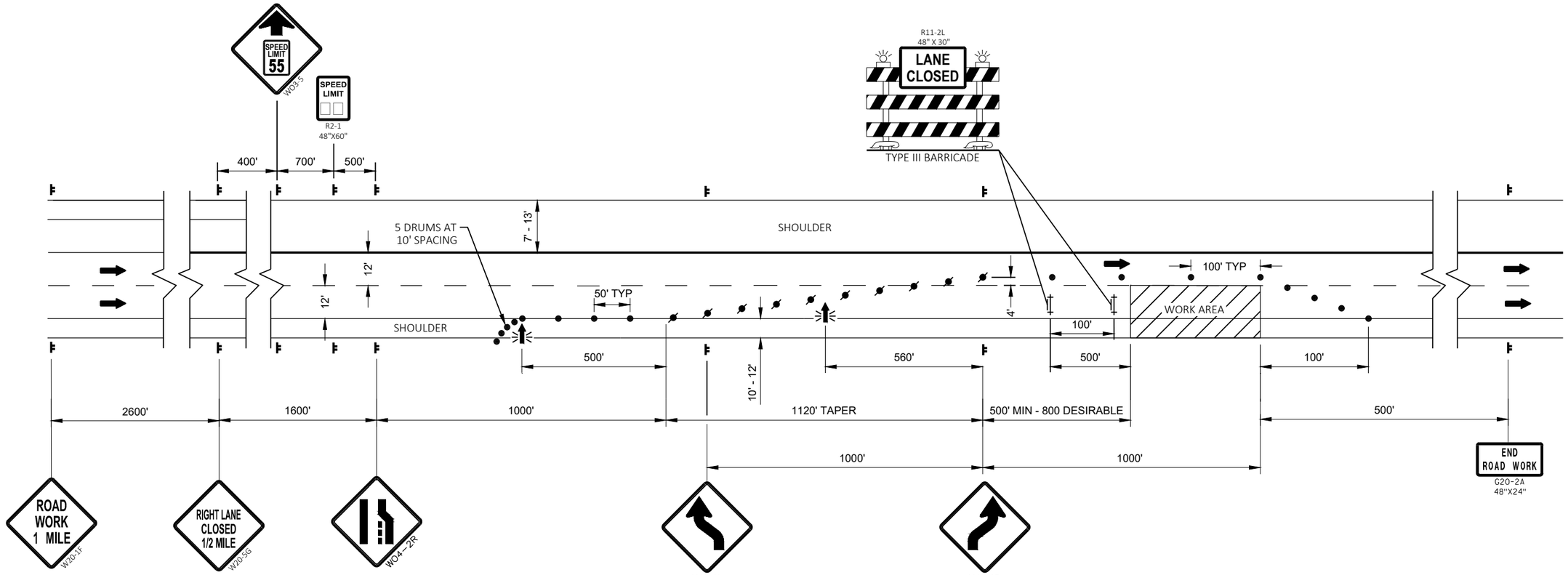
SHORT TERM DEFINED AS 7 DAYS/NIGHTS OR LESS. FOR NIGHT TIME OPERATIONS ALL DRUMS IN TAPERS SHALL HAVE WARNING LIGHT, TYPE C (STEADY BURN). MAY BE APPLIED TO ARTERIALS OR LOCAL ROADS.

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE
SHORT TERM ONLY

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET E

2



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH SIGN WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING THE RIGHT LANE. REVERSE FOR CLOSING LEFT LANE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS.

* USE A MAX WIDTH SIGN IF THE WIDTH OF THE LEFT OVER THRU IS LESS THAN 16'.

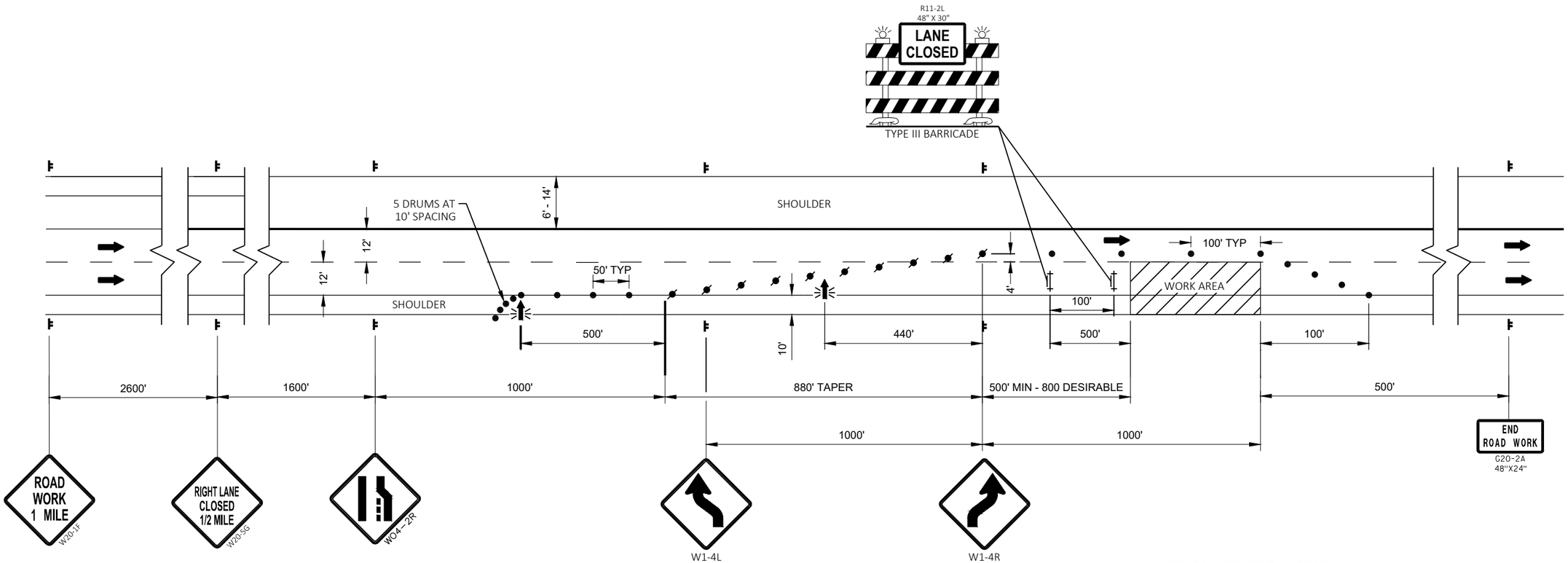
NIGHT TIME LANE CLOSURE

WAUKESHA COUNTY
(MOORLAND RD TO 124TH ST)

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET E

2



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH SIGN WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING THE RIGHT LANE. REVERSE FOR CLOSING LEFT LANE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

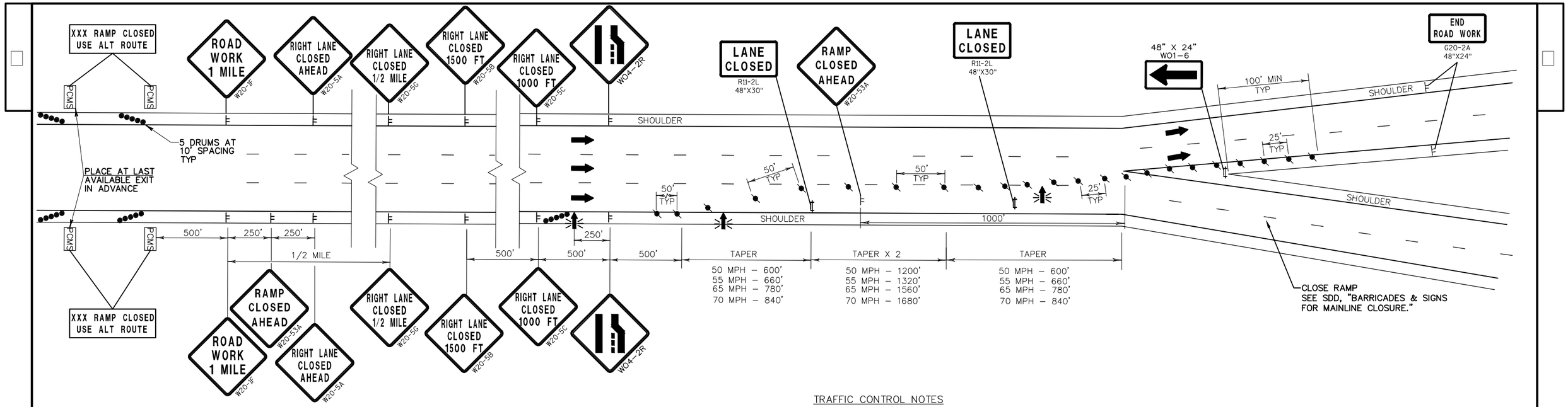
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS.

* USE A MAX WIDTH SIGN IF THE WIDTH OF THE LEFT OVER THRU IS LESS THAN 16'.

NIGHT TIME LANE CLOSURE

MILWAUKEE COUNTY
(124TH ST TO HALE INTERCHANGE)

DRAFT



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH SIGN WITH TWO (2) AND TYPE "A" WARNING LIGHTS (FLASHING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE BOARD

TRAFFIC CONTROL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

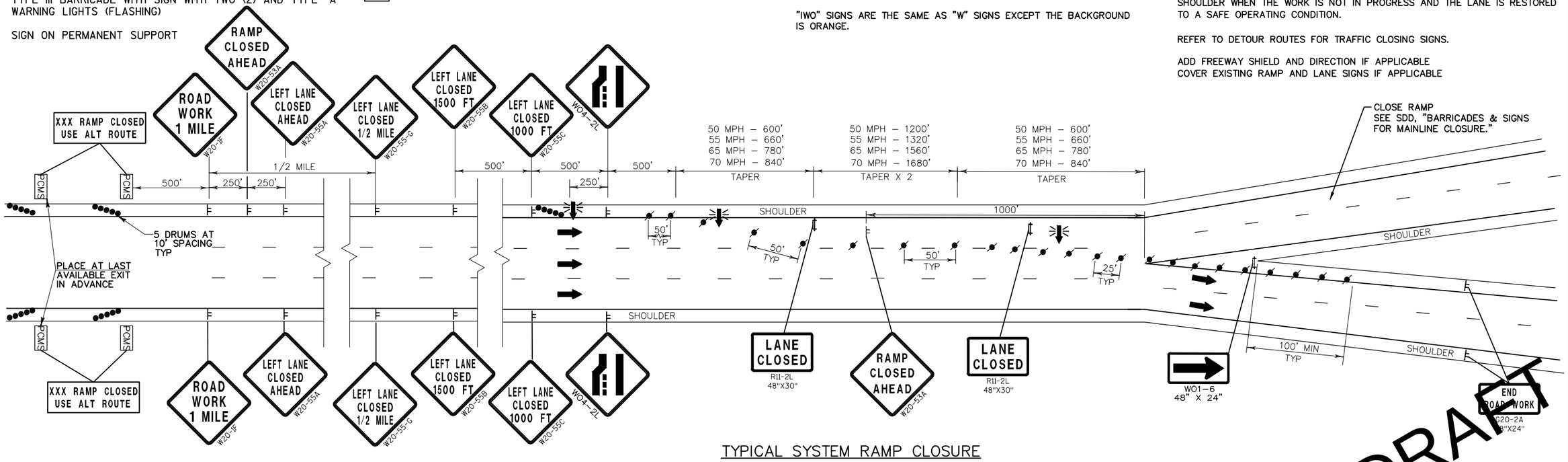
"IWO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

ALL SHORT-TERM LANE CLOSURE SIGNS SHALL BE COMPLETELY REMOVED OR COVERED AND ALL ARROW BOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

REFER TO DETOUR ROUTES FOR TRAFFIC CLOSING SIGNS.

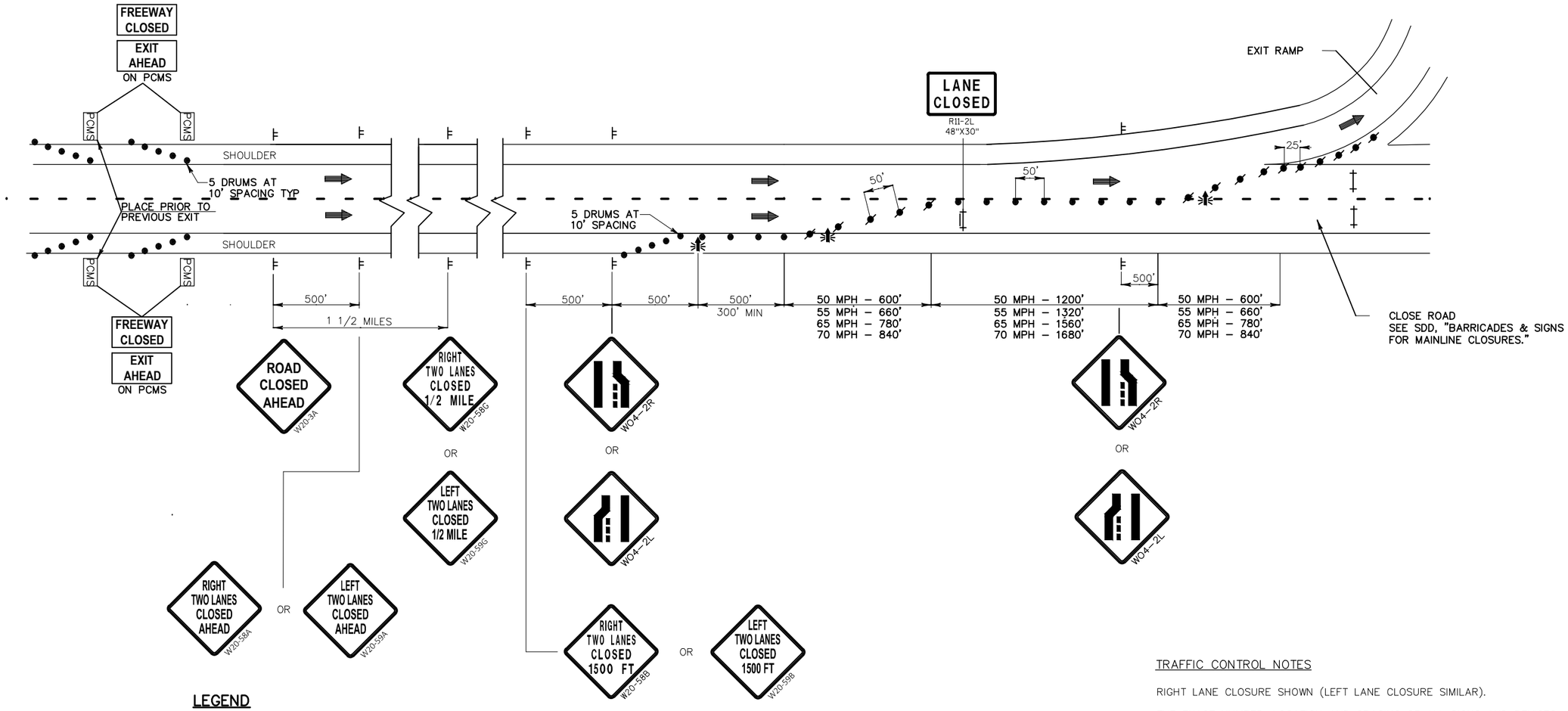
ADD FREEWAY SHIELD AND DIRECTION IF APPLICABLE
COVER EXISTING RAMP AND LANE SIGNS IF APPLICABLE



TYPICAL SYSTEM RAMP CLOSURE

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET



LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WITH SIGN WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE BOARD
- WORK AREA

TWO LANE FULL FREEWAY CLOSURE

TRAFFIC CONTROL NOTES

RIGHT LANE CLOSURE SHOWN (LEFT LANE CLOSURE SIMILAR).

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500' IN FRONT OF DRUMS, WITH LANE CLOSED SIGN.

REFER TO DETOUR ROUTES FOR TRAFFIC CLOSING SIGNS.

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025000_TC-TC DETAILS_3.DWG
LAYOUT NAME - 025000E_TC
PLOT DATE : 7/29/2020 8:51 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

GENERAL NOTES:

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL TRAFFIC CONTROL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED IN THE PLANS.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.
- SIGNS SHALL NOT BE MOUNTED ON ANY CITY OF GREENFIELD LIGHT POLES.

CONSTRUCTION ACTIVITIES:

HIGH FRICTION SURFACE TREATMENT (HFST):
- MOORLAND ROAD ROUNDABOUT
- IH 43 SB OFF RAMPS TO STH 100

THIN POLYMER OVERLAY (TPO):
- SUNNY SLOPE ROAD STRUCTURE B-67-359

MILL AND OVERLAY ON THE FOLLOWING RAMPS:
- STRUCTURE (B-67-295) APPROACH ON RAMP FROM MOORLAND RD TO IH 43 NB
- TO AND FROM LAYTON AVENUE AND STH 100
- THE WEST TO NORTH, EAST TO WEST AND WEST TO EAST RAMPS OF HALE IC

ALL THE WORK COMPLETED DURING NIGHT TIME WORK ONLY

TRAFFIC:

THE FOLLOWING MOVEMENTS ARE FULLY CLOSED:
- MOORLAND ROAD (BOTH DIRECTIONS)
- IH 43 SB OFF RAMP TO MOORLAND ROAD
- ON RAMP (LOOP) FROM MOORLAND ROAD TO IH 43 NB
- S SUNNY SLOPE ROAD (BOTH DIRECTIONS)
- ALL RAMPS TO AND FROM LAYTON AVENUE
- ALL RAMPS TO AND FROM STH 100
- HALE IC SYSTEM RAMPS (WEST TO NORTH, EAST TO WEST AND WEST TO EAST), TRAFFIC TO FOLLOW DETOUR

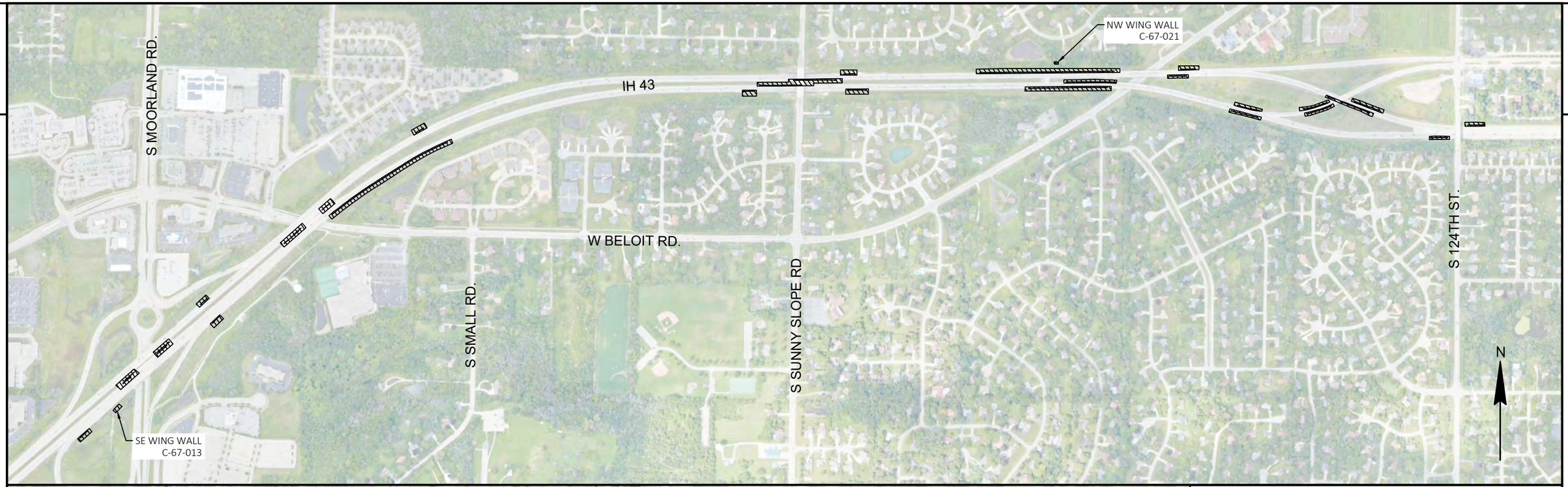
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - OVERVIEW - FULL CLOSURES	SHEET E

PRE_109

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC - OVERVIEW - FULL CLOSURES.DWG
LAYOUT NAME - Overview - Moorland Roundabout - B-67-359 - Ramps
PLOT DATE : 9/29/2020 12:44 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42

2



GENERAL NOTES:

- REFER TO SDD, "TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH".

CONSTRUCTION ACTIVITIES:

- BEAM GUARDRAIL REPLACEMENT AT ALL LOCATIONS ALONG IH 43.
- TWO CULVERT PIPES REPLACEMENT ALONG IH 43 AT 116TH STREET.
- SE WING WALL REPAIR/REPLACEMENT OF CULVERT C-67-013 (CROSSING IH 43, WEST OF MOORLAND ROAD).
- NW WING WALL REPLACEMENT OF CULVERT C-67-021 (CROSSING IH 43, WEST OF BELOIT ROAD).

TRAFFIC:

ALL LANES WILL BE OPEN TO TRAFFIC.

LEGEND

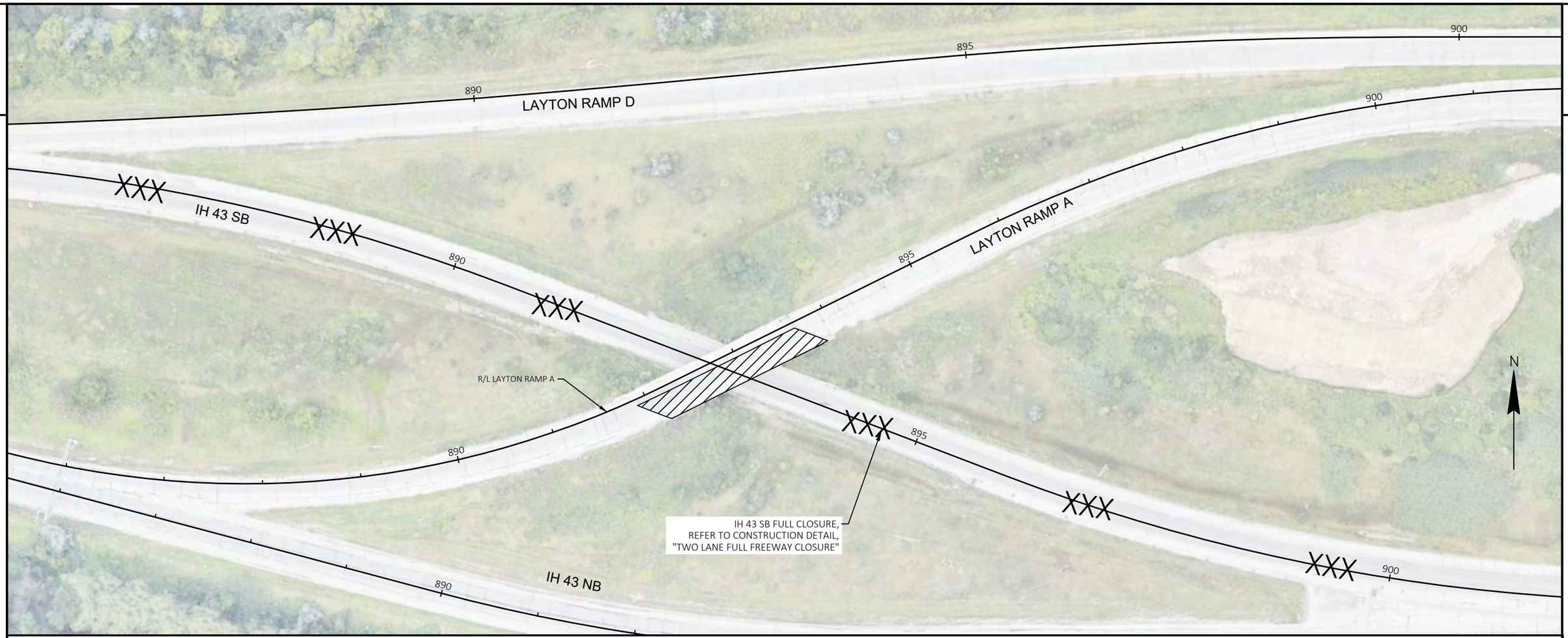
WORK AREA

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - OVERVIEW - SHOULDER CLOSURES	SHEET PRE_110 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC - OVERVIEW - SHOULDER CLOSURES.DWG
LAYOUT NAME - SHOULDER CLOSURES - OVERVIEW
PLOT DATE : 8/5/2020 9:06 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:800 FT
WISDOT/CADDS SHEET 42

2



GENERAL NOTES:

REFER TO SDD, "TRAFFIC CONTROL LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER".

STAGE 1:

A DECK REPLACEMENT WILL BE DONE ON THE OUTSIDE LANE AND SHOULDER OF B-67-103 (IH 43 NB OFF RAMP TO LAYTON AVENUE).
ALL WORK COMPLETED DURING STAGE 1 WILL BE LONG TERM WORK.

TRAFFIC:

IN THIS STAGE, THE OUTSIDE LANE ON IH 43 NB OFF RAMP TO LAYTON AVENUE IS CLOSED AND THE INSIDE LANE IS OPEN TO TRAFFIC.
IH 43 SB WILL BE CLOSED DURING DECK DEMOLITION & DECK POURING, TRAFFIC TO FOLLOW DETOUR.

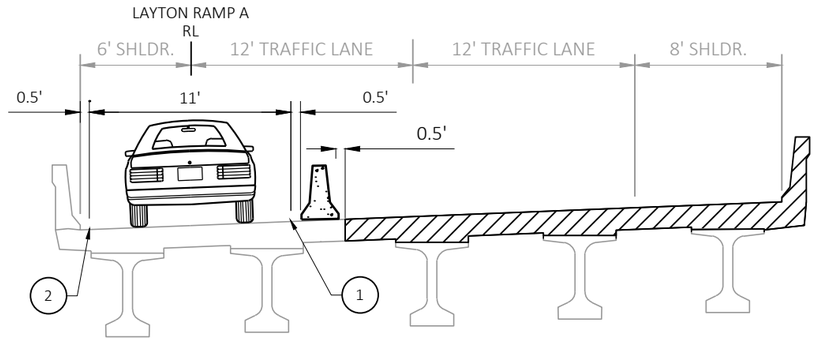
LEGEND

WORK AREA

XXX ROAD CLOSURE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)



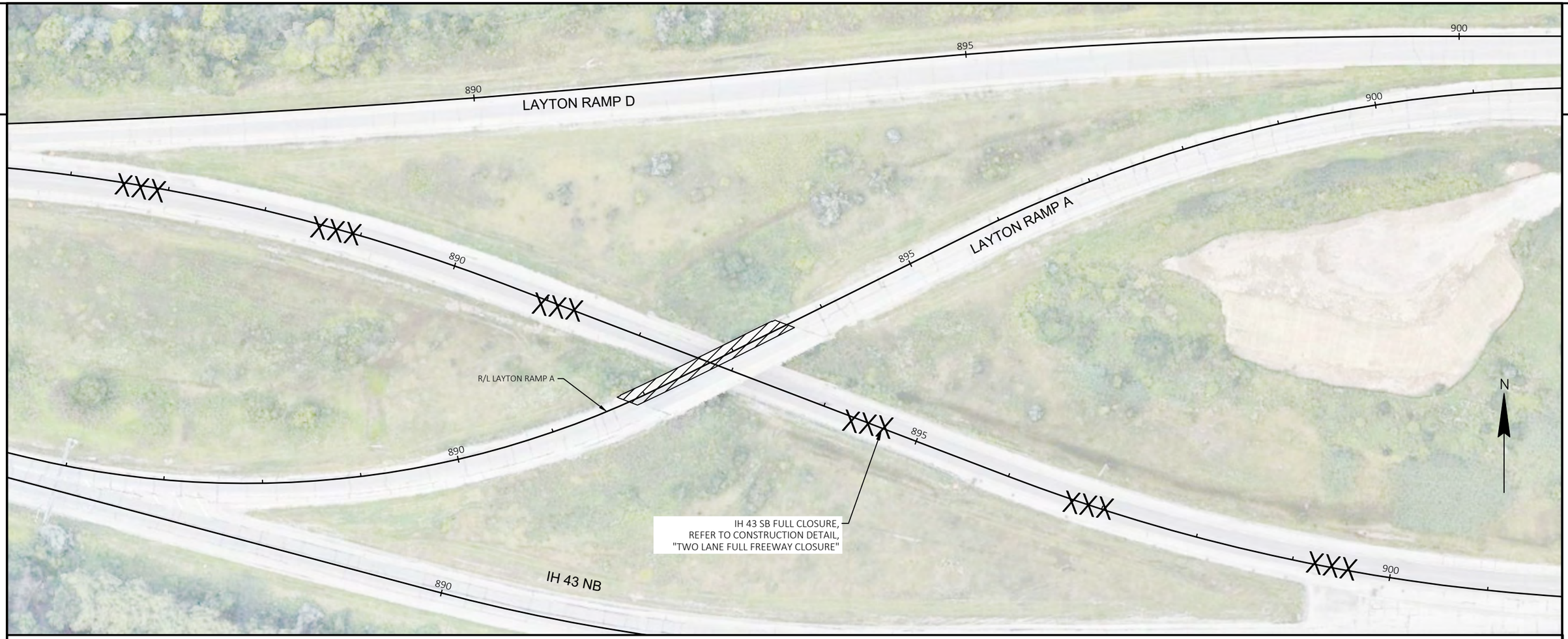
TYPICAL SECTION
B-67-103
STAGE 1

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - STAGE 1 OVERVIEW - B-67-103	SHEET	E

PRE_111

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC-STAGE1-OVERVIEW-B-67-103.DWG
LAYOUT NAME - Stage 1 Overview - B-67-103
PLOT DATE : 9/29/2020 1:26 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



GENERAL NOTES:

REFER TO SDD, "TRAFFIC CONTROL LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER".

STAGE 2:

A DECK REPLACEMENT WILL BE DONE ON THE INSIDE LANE AND SHOULDER OF B-67-103 (IH 43 OFF RAMP TO LAYTON AVENUE).
ALL WORK COMPLETED DURING STAGE 2 WILL BE LONG TERM WORK.

TRAFFIC:

IN THIS STAGE, THE INSIDE LANE ON IH 43 NB OFF RAMP TO LAYTON AVENUE IS CLOSED AND THE OUTSIDE LANE IS OPEN TO TRAFFIC.
IH 43 SB WILL BE CLOSED DURING DECK DEMOLITION & DECK POURING, TRAFFIC NEED TO FOLLOW DETOUR.

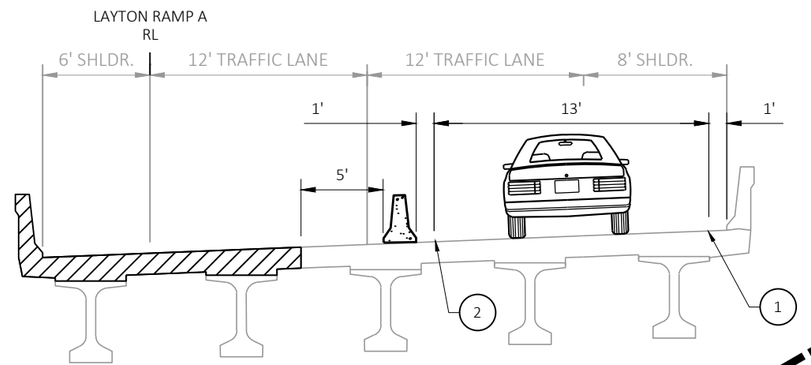
LEGEND

WORK AREA

XXX ROAD CLOSURE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

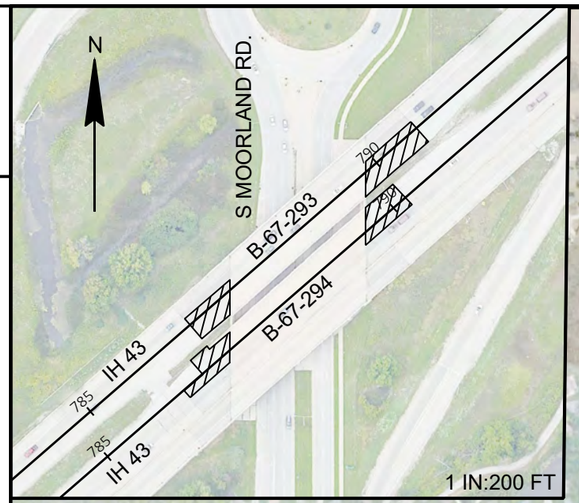


TYPICAL SECTION
B-67-103
STAGE 2

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - STAGE 2 OVERVIEW - B-67-103	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC-STAGE2-OVERVIEW-B-67-103.DWG
LAYOUT NAME - Stage 2 Overview - B-67-103
PLOT DATE : 9/29/2020 1:30 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT



2

2

W COLD SPRING RD.

S SUNNY SLOPE RD.

W BELOIT RD.

S 124TH ST.

IH 43

RAMP CLOSED
REFER TO SDD, "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

W BELOIT RD.

GENERAL NOTES:

REFER TO CONSTRUCTION DETAIL, "NIGHT TIME LANE CLOSURE: WAUKESHA COUNTY".

STAGE 1:

MILL, OVERLAY AND HIGH FRICTION SURFACE TREATMENT (HFST) WILL BE DONE ON THE INSIDE LANE AND SHOULDER OF IH 43 (BOTH DIRECTIONS) AND STRUCTURES APPROACH OVER MOORLAND ROAD (B-67-293 & B-67-294).
ALL WORK COMPLETED DURING STAGE 1 WILL BE OVERNIGHT WORK ONLY.

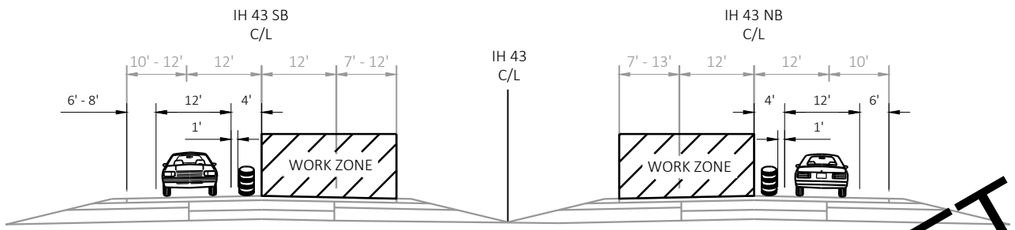
TRAFFIC:

IN THIS STAGE, THE INSIDE LANE AND SHOULDER ARE CLOSED AND THE OUTSIDE LANE IS OPEN TO TRAFFIC.
IH 43 NB OFF RAMP TO LAYTON AVENUE WILL BE CLOSED TO TRAFFIC.

LEGEND

WORK AREA

XXX RAMP CLOSURE



TYPICAL SECTION
IH 43 - STAGE 1
(WAUKESHA COUNTY)

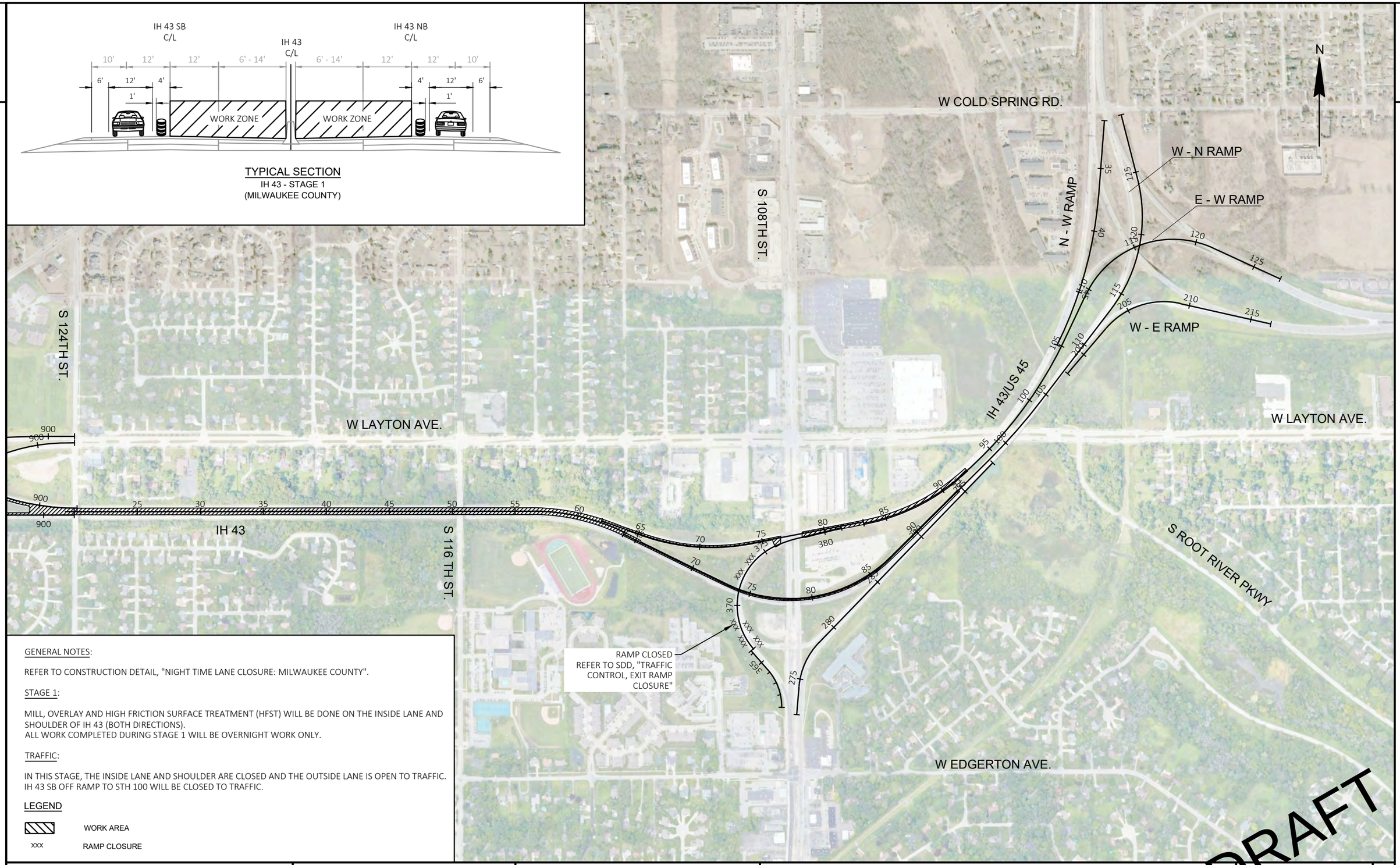
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - STAGE 1 OVERVIEW (WAUKESHA COUNTY)	SHEET E

PRE_113

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC-STAGE1-OVERVIEW.DWG
LAYOUT NAME - Stage 1 Overview (1)
PLOT DATE : 8/4/2020 1:20 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:700 FT

TYPICAL SECTION
IH 43 - STAGE 1
(MILWAUKEE COUNTY)



GENERAL NOTES:

REFER TO CONSTRUCTION DETAIL, "NIGHT TIME LANE CLOSURE: MILWAUKEE COUNTY".

STAGE 1:

MILL, OVERLAY AND HIGH FRICTION SURFACE TREATMENT (HFST) WILL BE DONE ON THE INSIDE LANE AND SHOULDER OF IH 43 (BOTH DIRECTIONS).
ALL WORK COMPLETED DURING STAGE 1 WILL BE OVERNIGHT WORK ONLY.

TRAFFIC:

IN THIS STAGE, THE INSIDE LANE AND SHOULDER ARE CLOSED AND THE OUTSIDE LANE IS OPEN TO TRAFFIC.
IH 43 SB OFF RAMP TO STH 100 WILL BE CLOSED TO TRAFFIC.

LEGEND

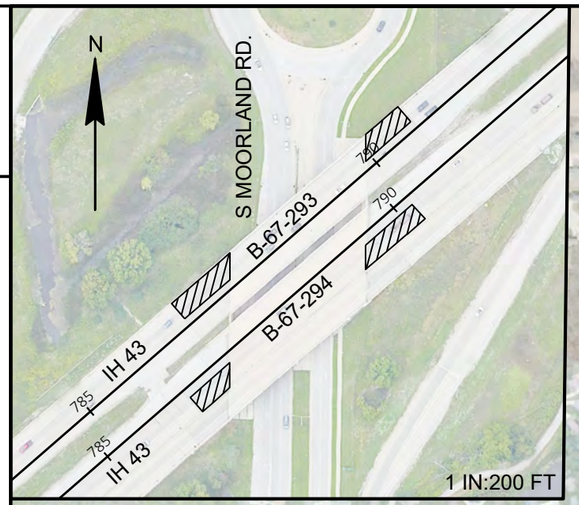
WORK AREA

xxx RAMP CLOSURE

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - STAGE 1 OVERVIEW (MILWAUKEE COUNTY)	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC-STAGE1-OVERVIEW.DWG
LAYOUT NAME - Stage 1 Overview (2)
PLOT DATE : 7/29/2020 1:52 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:700 FT



2

2

N

W COLD SPRING RD

S SUNNY SLOPE RD.

W BELOIT RD.

S 124TH ST.

RAMP CLOSED
REFER TO CONSTRUCTION
DETAIL, "TRAFFIC CONTROL FOR
ENTRANCE RAMP CLOSURE"

IH 43

W BELOIT RD.

GENERAL NOTES:

REFER TO CONSTRUCTION DETAIL, "NIGHT TIME LANE CLOSURE: WAUKESHA COUNTY".

STAGE 2:

MILL, OVERLAY AND HIGH FRICTION SURFACE TREATEMENT (HFST) WILL BE DONE ON THE OUTSIDE LANE AND SHOULDER OF IH 43 (BOTH DIRECTIONS) AND STRUCTURES APPROACH OVER MOORLAND ROAD (B-67-293 & B-67-294).
ALL WORK COMPLETED DURING STAGE 2 WILL BE OVERNIGHT WORK ONLY.

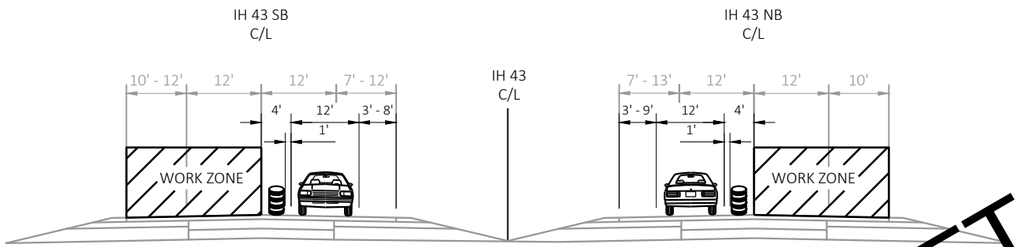
TRAFFIC:

IN THIS STAGE, THE OUTSIDE LANE AND SHOULDER ARE CLOSED AND THE INSIDE LANE IS OPEN TO TRAFFIC.
IH 43 SB ON RAMP FROM LAYTON AVENUE WILL BE CLOSED TO TRAFFIC.

LEGEND

WORK AREA

XXX RAMP CLOSURE



TYPICAL SECTION
IH 43 - STAGE 2

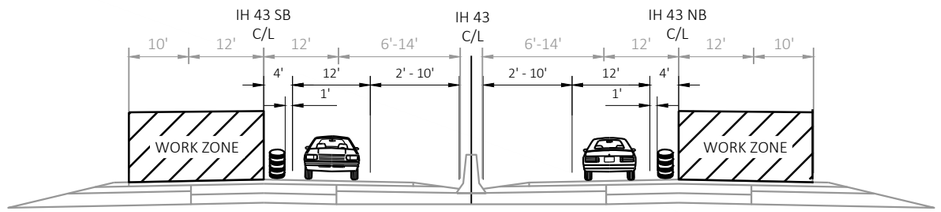
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - STAGE 2 OVERVIEW (WAUKESHA COUNTY)	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC-STAGE2-OVERVIEW.DWG
LAYOUT NAME - Stage 2 Overview (1)
PLOT DATE : 8/4/2020 1:46 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:700 FT

PRE_115

WISDOT/CADDS SHEET 42



TYPICAL SECTION
IH 43 - STAGE 2
(MILWAUKEE COUNTY)

2

W COLD SPRING RD.

S 108TH ST.

S 116 TH ST.

W LAYTON AVE.

W LAYTON AVE.

IH 43

IH 43/US 45

S ROOT RIVER PKWY

W EDGERTON AVE.

N

W - N RAMP

E - W RAMP

N - W RAMP

W - E RAMP

RAMP CLOSED
REFER TO CONSTRUCTION
DETAIL, "TRAFFIC CONTROL FOR
ENTRANCE RAMP CLOSURE"

GENERAL NOTES:

REFER TO CONSTRUCTION DETAIL, "NIGHT TIME LANE CLOSURE: MILWAUKEE COUNTY".

STAGE 2:

MILL, OVERLAY AND HIGH FRICTION SURFACE TREATMENT (HFST) WILL BE DONE ON THE OUTSIDE LANE AND SHOULDER OF IH 43 (BOTH DIRECTIONS).
ALL WORK COMPLETED DURING STAGE 2 WILL BE OVERNIGHT WORK ONLY.

TRAFFIC:

IN THIS STAGE, THE OUTSIDE LANE AND SHOULDER ARE CLOSED AND THE INSIDE LANE IS OPEN TO TRAFFIC.
IH 43 NB ON RAMP FROM STH 100 WILL BE CLOSED TO TRAFFIC.

LEGEND

WORK AREA

XXX RAMP CLOSURE

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\025001-TC-STAGE2-OVERVIEW.DWG
LAYOUT NAME - Stage 2 Overview (2)

PLOT DATE : 7/29/2020 2:37 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:700 FT

WISDOT/CADDS SHEET 42

NOTES:

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.

2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.

4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

5. SIGNS SHALL NOT BE MOUNTED ON ANY CITY OF GREENFIELD LIGHT POLES.

LEGEND

- EXISTING SIGN
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- DETOUR ROUTE

W BELOIT RD.

W COLD SPRING RD.

IH 41/IH 894/USH 45

IH 41/IH 43/IH 894

IH 43/USH 45

M4-8A 24"X18" END DETOUR ALTERNATE SOUTH AUXILIARY 43

M4-8 24"X12" DETOUR SOUTH AUXILIARY 43

M4-8 24"X12" DETOUR SOUTH AUXILIARY 43

M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH AUXILIARY 43 M1-1 36"X36"

M4-8 36"X18" DETOUR SOUTH AUXILIARY 43

M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH AUXILIARY 43 M1-1 36"X36" MO5-2L 30"X30"

M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH AUXILIARY 43 M1-1 36"X36" MO6-2 30"X30"

M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH AUXILIARY 43 M1-1 36"X36" MO6-1 30"X30"

DETOUR AHEAD M4-10-A

M3-3 36"X18" SOUTH AUXILIARY 43 M1-1 36"X36"

LAYTON AVENUE

IH 43

WORKING AREA

S 124TH ST.

S 116TH ST.

W EDGERTON AVE.

STH 100/S 108TH ST.

S ROOT RIVER PKWY

N

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	DETOUR PLAN - IH 43 SB CLOSURE	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027001_DT_IH 43 SB CLOSURE DETOUR.DWG
LAYOUT NAME - 027001

PLOT DATE : 7/28/2020 12:25 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 1000 FT

PRE_117

WISDOT/CADDS SHEET 42

NOTES:

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.

2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.

4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

5. SIGNS SHALL NOT BE MOUNTED ON ANY CITY OF GREENFIELD LIGHT POLES.

LEGEND

- EXISTING SIGN
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- DETOUR ROUTE

W HOWARD AVE.
S 84TH ST.
IH 41/IH 894/USH 45
S 92ND ST.
W COLD SPRING RD.
W BELOIT RD.
WORKING AREA
IH 43/USH 45
IH 41/IH 43/IH 894
LAYTON AVENUE
IH 43
S 124TH ST.
W EDGERTON AVE.
S 116TH ST.
STH 100/S 108TH ST.
S ROOT RIVER PKWY
W FOREST HOME AVE.
76TH ST.
W GRANGE AVE.
N

M4-8A 24"X18" END DETOUR ALTERNATE SOUTH INTERSTATE 43
M4-8 24"X12" DETOUR SOUTH INTERSTATE 43
M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH M1-1 36"X36" INTERSTATE 43 MO5-2R 30"X30"
DETOUR AHEAD W20-2A
M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH M1-1 36"X36" INTERSTATE 43 MO6-1 30"X30"
M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH M1-1 36"X36" INTERSTATE 43 MO5-1L 30"X30"
M4-8 36"X18" DETOUR M3-3 36"X18" SOUTH M1-1 36"X36" INTERSTATE 43 MO6-2 30"X30"
M4-8 24"X12" DETOUR M3-3 24"X12" SOUTH M1-1 24"X24" INTERSTATE 43 MO6-1 21"X21"
M4-8 24"X12" DETOUR M3-3 24"X12" SOUTH M1-1 24"X24" INTERSTATE 43 MO6-1 21"X21"
M4-8 24"X12" DETOUR M3-3 24"X12" SOUTH M1-1 24"X24" INTERSTATE 43 MO5-1R 21"X21"
M4-8 24"X12" DETOUR M3-3 24"X12" SOUTH M1-1 24"X24" INTERSTATE 43 M06-1 21"X21"
M4-8 24"X12" DETOUR TO SOUTH TO NORTH TO WEST M3-3 24"X12" M1-1 24"X24" INTERSTATE 43 INTERSTATE 41 INTERSTATE 894 M06-1 21"X21"

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	DETOUR PLAN - E - W RAMP CLOSURE	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027001_DT_E-W RAMP DETOUR.DWG
LAYOUT NAME - 027001
PLOT DATE : 9/30/2020 10:57 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 1300 FT

PRE_118
WISDOT/CADDS SHEET 42

2

NOTES:

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.

2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

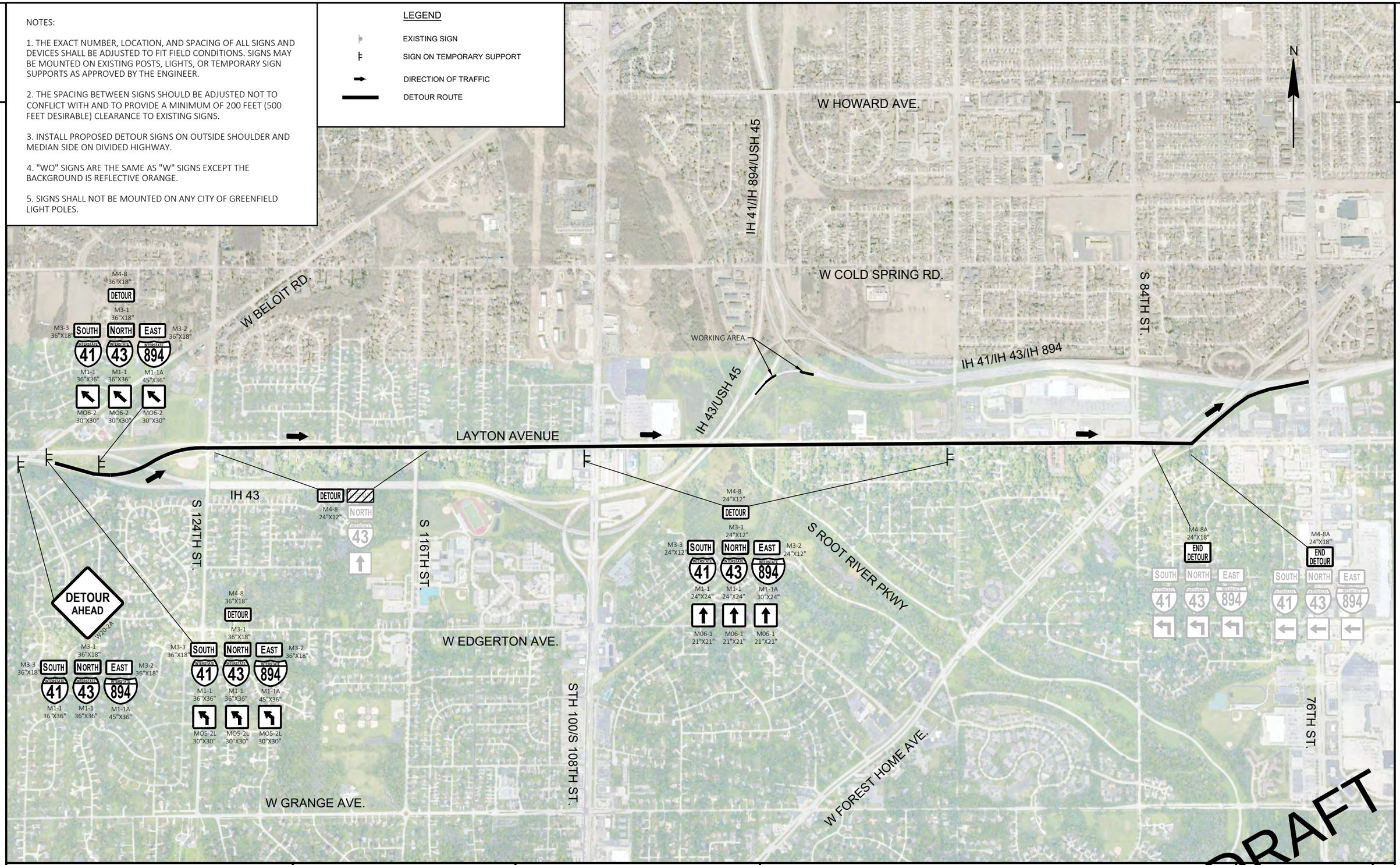
3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.

4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

5. SIGNS SHALL NOT BE MOUNTED ON ANY CITY OF GREENFIELD LIGHT POLES.

LEGEND

- EXISTING SIGN
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- DETOUR ROUTE



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	DETOUR PLAN - W - E RAMP CLOSURE	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027001_DT_W-E RAMP DETOUR.DWG
LAYOUT NAME - 027001

PLOT DATE : 7/28/2020 8:57 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 1300 FT

PRE_119

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- DETOUR ROUTE

NOTES:

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.

2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.

4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

5. SIGNS SHALL NOT BE MOUNTED ON ANY CITY OF GREENFIELD LIGHT POLES.

W COLD SPRING RD.

IH 41/IH 894/USH 45

S 92ND ST.

S 8TH ST.

IH 41/IH 43/IH 894

IH 43/USH 45

LAYTON AVENUE

LAYTON AVENUE

W FOREST HOME

M4-8A 24"X18" END DETOUR

NORTH INTERSTATE 41 | SOUTH INTERSTATE 43 | WEST INTERSTATE 894

DETOUR AHEAD W20-2A

M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894

M4-8 36"X18" DETOUR
M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894
MO5-2R 30"X30"

M4-8 36"X18" DETOUR
M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894
MO6-2 30"X30"

M4-8 36"X18" DETOUR
M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894
MO5-2R 30"X30"

M4-8 36"X18" DETOUR
M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894
MO6-2 30"X30"

M4-8 36"X18" DETOUR
M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894
MO5-1L 30"X30"

M4-8 36"X18" DETOUR
M3-1 36"X18" NORTH
M1-1 36"X36" INTERSTATE 41
M3-4 36"X18" WEST
M1-1A 45"X36" INTERSTATE 894
MO6-1 30"X30"

N

DRAFT

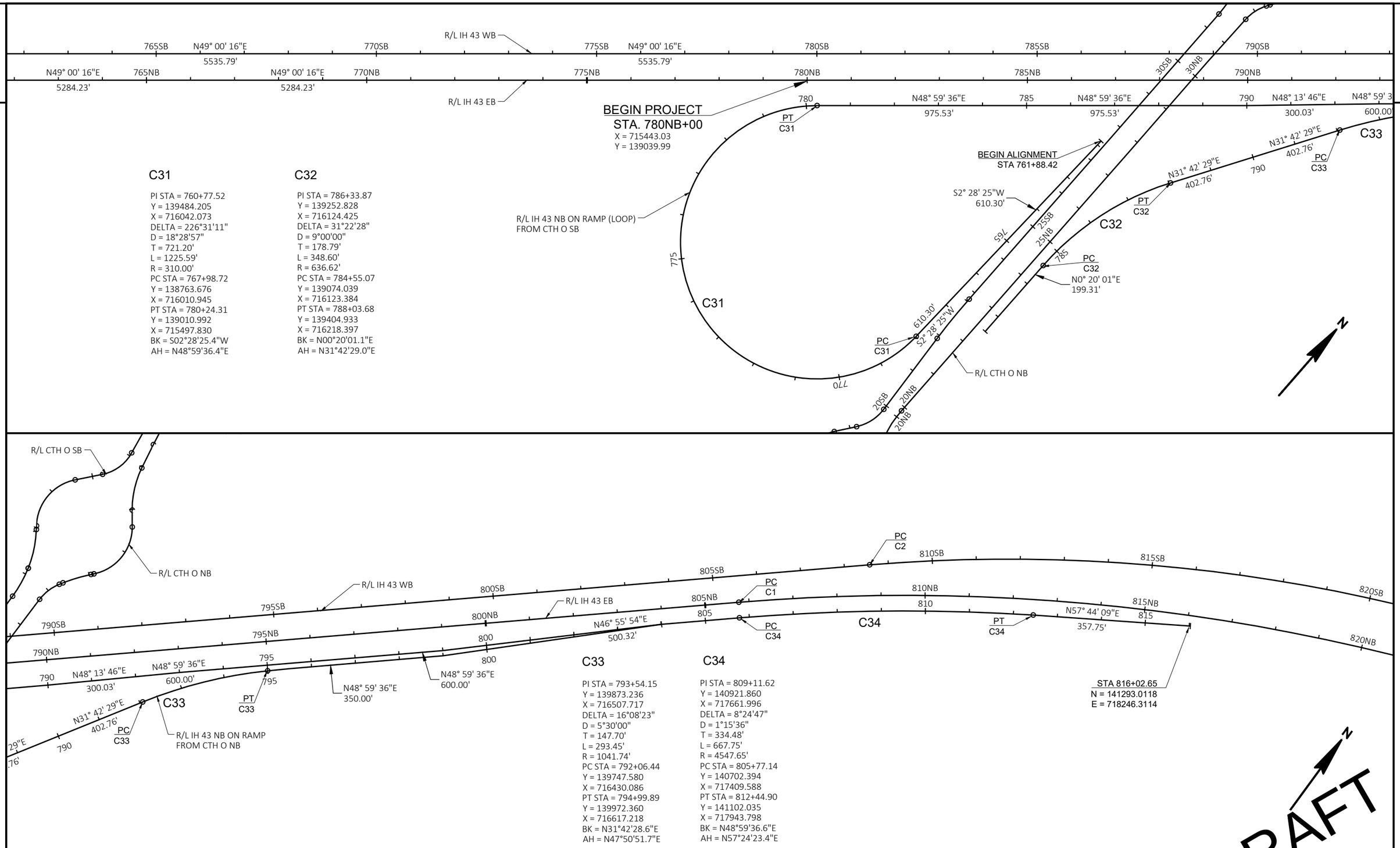
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	DETOUR PLAN - W - N RAMP CLOSURE	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027001_DT_W-N RAMP DETOUR.DWG
LAYOUT NAME - 027001

PLOT DATE : 7/28/2020 9:09 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN: 600 FT

PRE_120

WISDOT/CADDS SHEET 42



C31

PI STA = 760+77.52
Y = 139484.205
X = 716042.073
DELTA = 226°31'11"
D = 18°28'57"
T = 721.20'
L = 1225.59'
R = 310.00'
PC STA = 767+98.72
Y = 138763.676
X = 716010.945
PT STA = 780+24.31
Y = 139010.992
X = 715497.830
BK = S02°28'25.4"W
AH = N48°59'36.4"E

C32

PI STA = 786+33.87
Y = 139252.828
X = 716124.425
DELTA = 31°22'28"
D = 9°00'00"
T = 178.79'
L = 348.60'
R = 636.62'
PC STA = 784+55.07
Y = 139074.039
X = 716123.384
PT STA = 788+03.68
Y = 139404.933
X = 716218.397
BK = N00°20'01.1"E
AH = N31°42'29.0"E

C33

PI STA = 793+54.15
Y = 139873.236
X = 716507.717
DELTA = 16°08'23"
D = 5°30'00"
T = 147.70'
L = 293.45'
R = 1041.74'
PC STA = 792+06.44
Y = 139747.580
X = 716430.086
PT STA = 794+99.89
Y = 139972.360
X = 716617.218
BK = N31°42'28.6"E
AH = N47°50'51.7"E

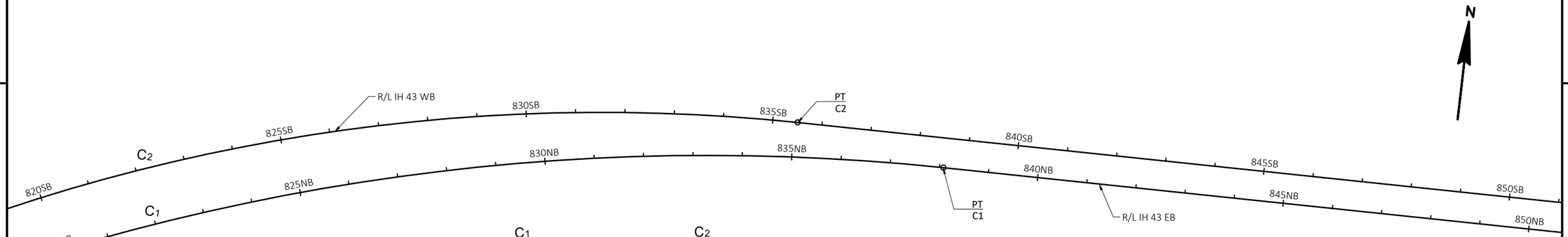
C34

PI STA = 809+11.62
Y = 140921.860
X = 717661.996
DELTA = 8°24'47"
D = 1°15'36"
T = 334.48'
L = 667.75'
R = 4547.65'
PC STA = 805+77.14
Y = 140702.394
X = 717409.588
PT STA = 812+44.90
Y = 141102.035
X = 717943.798
BK = N48°59'36.6"E
AH = N57°24'23.4"E

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET E

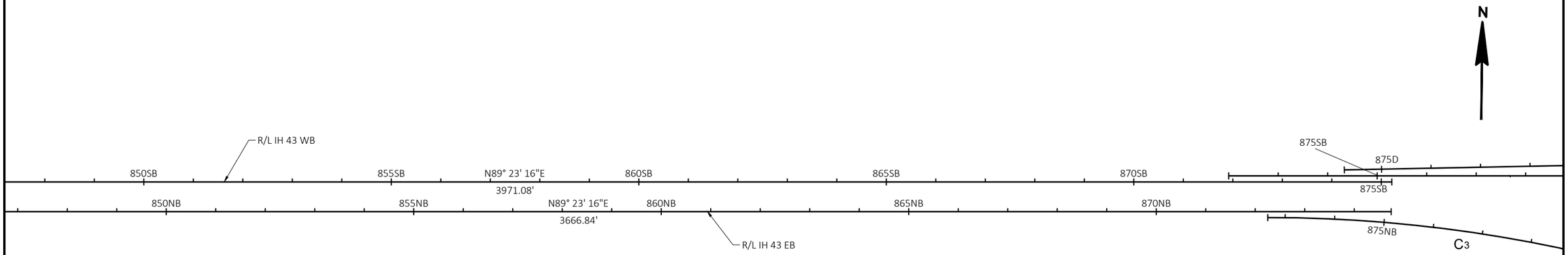
PRE_121

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027201
PLOT DATE : 11/4/2020 8:26 AM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:200 FT



C1
PI STA = 822NB+62.56
Y = 141836.241
X = 718660.242
DELTA = 40°23'00"
D = 1°14'59"
T = 1686.05'
L = 3231.33'
R = 4584.59'
PC STA = 805NB+76.51
Y = 140730.190
X = 717387.681
PT STA = 838NB+07.84
Y = 141854.257
X = 720346.195
BK = N49°00'15.6"E
AH = N89°23'16.1"E

C2
PI STA = 822SB+62.57
Y = 141896.002
X = 718637.536
DELTA = 40°23'00"
D = 1°29'59"
T = 1405.04'
L = 2692.78'
R = 3820.50'
PC STA = 808SB+57.52
Y = 140974.291
X = 717577.067
PT STA = 835SB+50.30
Y = 141911.015
X = 720042.500
BK = N49°00'15.6"E
AH = N89°23'16.1"E



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027202
PLOT DATE : 11/4/2020 8:27 AM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2

C3

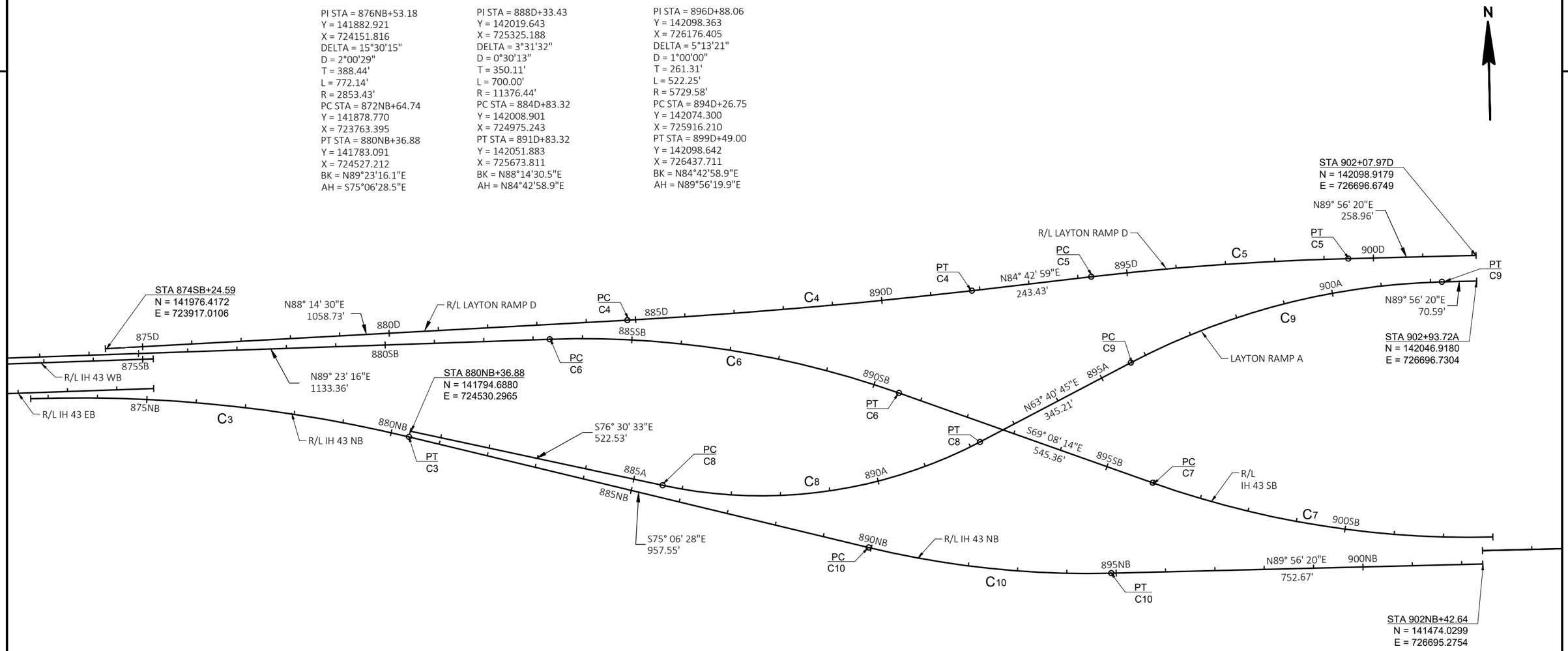
PI STA = 876NB+53.18
Y = 141882.921
X = 724151.816
DELTA = 15°30'15"
D = 2°00'29"
T = 388.44'
L = 772.14'
R = 2853.43'
PC STA = 872NB+64.74
Y = 141878.770
X = 723763.395
PT STA = 880NB+36.88
Y = 141783.091
X = 724527.212
BK = N89°23'16.1"E
AH = S75°06'28.5"E

C4

PI STA = 888D+33.43
Y = 142019.643
X = 725325.188
DELTA = 3°31'32"
D = 0°30'13"
T = 350.11'
L = 700.00'
R = 11376.44'
PC STA = 884D+83.32
Y = 142008.901
X = 724975.243
PT STA = 891D+83.32
Y = 142051.883
X = 725673.811
BK = N88°14'30.5"E
AH = N84°42'58.9"E

C5

PI STA = 896D+88.06
Y = 142098.363
X = 726176.405
DELTA = 5°13'21"
D = 1°00'00"
T = 261.31'
L = 522.25'
R = 5729.58'
PC STA = 894D+26.75
Y = 142074.300
X = 725916.210
PT STA = 899D+49.00
Y = 142098.642
X = 726437.711
BK = N84°42'58.9"E
AH = N89°56'19.9"E



C6

PI STA = 886SB+97.48
Y = 141977.923
X = 725181.004
DELTA = 21°28'30"
D = 2°59'02"
T = 364.12'
L = 719.69'
R = 1920.15'
PC STA = 883SB+33.36
Y = 141974.032
X = 724816.907
PT STA = 890SB+53.05
Y = 141848.250
X = 725521.249
BK = N89°23'16.1"E
AH = S69°08'14.2"E

C7

PI STA = 899SB+53.21
Y = 141527.675
X = 726362.393
DELTA = 20°55'26"
D = 2°58'55"
T = 354.80'
L = 701.70'
R = 1921.46'
PC STA = 895SB+98.41
Y = 141654.030
X = 726030.853
PT STA = 903SB+00.11
Y = 141528.053
X = 726717.195
BK = S69°08'14.2"E
AH = N89°56'19.9"E

C8

PI STA = 889A+04.41
Y = 141592.300
X = 725373.888
DELTA = 39°48'43"
D = 6°00'49"
T = 345.00'
L = 662.02'
R = 952.76'
PC STA = 885A+59.41
Y = 141672.787
X = 725038.404
PT STA = 892A+21.43
Y = 141745.274
X = 725683.124
BK = S76°30'32.6"E
AH = N63°40'44.9"E

C9

PI STA = 899A+00.75
Y = 142046.486
X = 726292.021
DELTA = 26°15'35"
D = 4°00'00"
T = 334.11'
L = 656.49'
R = 1432.39'
PC STA = 895A+66.64
Y = 141898.341
X = 725992.546
PT STA = 902A+23.13
Y = 142046.843
X = 726626.135
BK = N63°40'44.9"E
AH = N89°56'19.9"E

C10

PI STA = 892NB+43.62
Y = 141472.961
X = 725693.416
DELTA = 14°57'12"
D = 3°01'03"
T = 249.19'
L = 495.54'
R = 1898.74'
PC STA = 889NB+94.43
Y = 141537.001
X = 725452.600
PT STA = 894NB+89.97
Y = 141473.227
X = 725942.602
BK = S75°06'28.5"E
AH = N89°56'19.9"E

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET E

2

N

R/L IH 43

25 30 35 40 45 50

N89° 56' 37"E
3641.59'

STA 20+00.00
N = 141500.8104
E = 726695.2977

N

R/L IH 43

50 55 60

PC
C11

STA 61+91.34
N = 141427.2066
E = 730881.2218

C11

PT
C11

S70° 47' 31"E
355.30'

65SB

PC
C12

C12

70SB

R/L IH 43 SB

PT
C12

75SB

N79° 12' 29"E
914.38'

C14

375

N76° 12
3

65NB

STA 63NB+90.58
N = 141321.9357
E = 731055.5052

S63° 47' 31"E
903.93'

70NB

R/L IH 43 NB

PC
C16

C15

75NB

C

R/L IH 43 SB OFF RAMP TO STH 100

370

C30

DRAFT

C11

PI STA = 60+23.50
Y = 141504.776
X = 730718.798
DELTA = 26°15'50"
D = 3°30'00"
T = 381.91'
L = 750.40'
R = 1637.02'
PC STA = 56+41.59
Y = 141504.400
X = 730336.889
PT STA = 63+91.99
Y = 141336.117
X = 731061.447
BK = N89°56'36.7"E
AH = S63°47'33.1"E

C12

PI STA = 69SB+84.52
Y = 141166.001
X = 731630.960
DELTA = 30°00'00"
D = 3°30'00"
T = 438.64'
L = 857.14'
R = 1637.02'
PC STA = 65SB+45.88
Y = 141310.313
X = 731216.741
PT STA = 74SB+03.02
Y = 141248.133
X = 732061.841
BK = S70°47'30.8"E
AH = N79°12'29.2"E

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET E

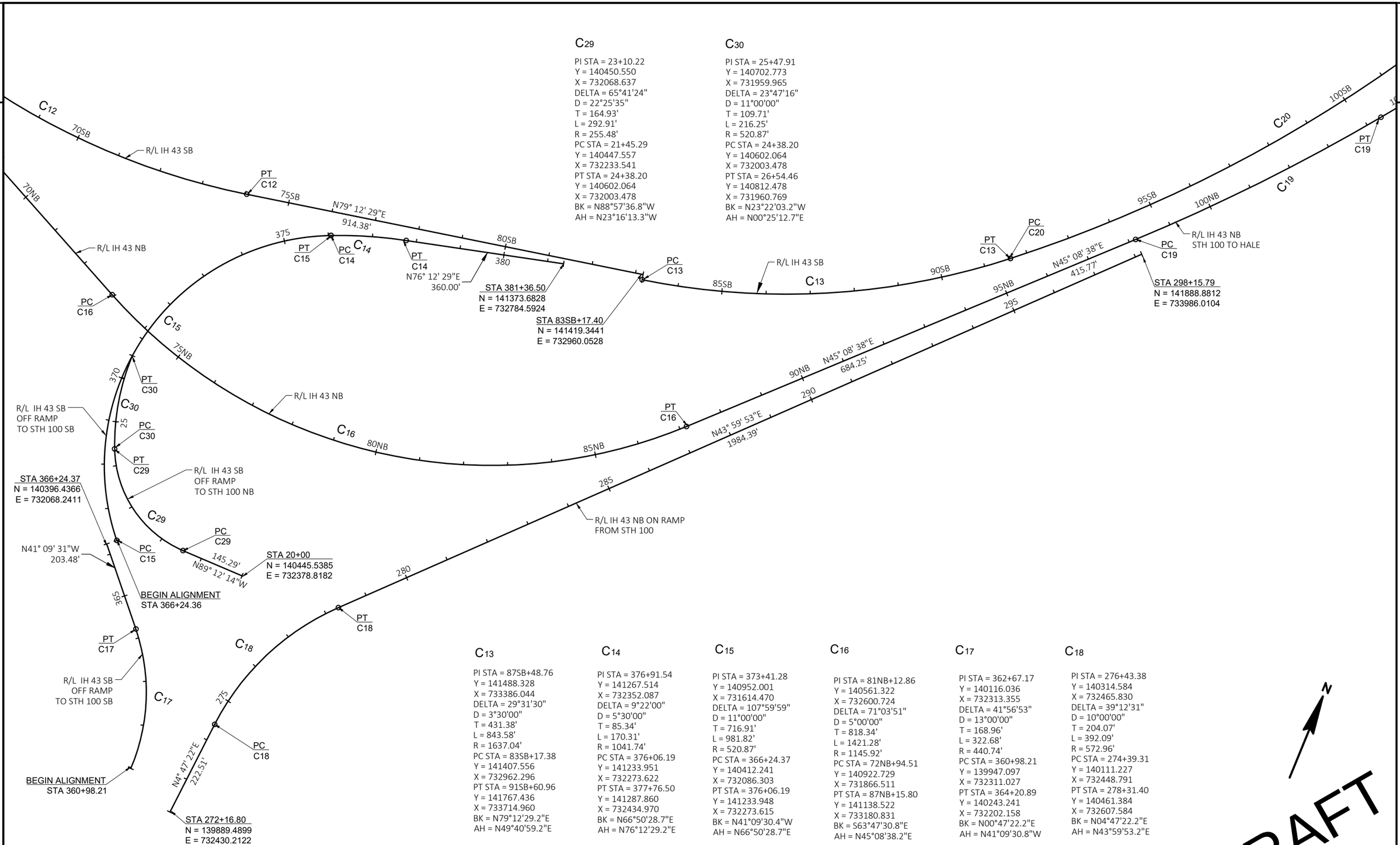
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027204

PLOT DATE : 11/4/2020 8:28 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:200 FT

PRE_124

WISDOT/CADDS SHEET 42

2



C29

PI STA = 23+10.22
Y = 140450.550
X = 732068.637
DELTA = 65°41'24"
D = 22°25'35"
T = 164.93'
L = 292.91'
R = 255.48'
PC STA = 21+45.29
Y = 140447.557
X = 732233.541
PT STA = 24+38.20
Y = 140602.064
X = 732003.478
BK = N88°57'36.8"W
AH = N23°16'13.3"W

C30

PI STA = 25+47.91
Y = 140702.773
X = 731959.965
DELTA = 23°47'16"
D = 11°00'00"
T = 109.71'
L = 216.25'
R = 520.87'
PC STA = 24+38.20
Y = 140602.064
X = 732003.478
PT STA = 26+54.46
Y = 140812.478
X = 731960.769
BK = N23°22'03.2"W
AH = N00°25'12.7"E

C13

PI STA = 87SB+48.76
Y = 141488.328
X = 733386.044
DELTA = 29°31'30"
D = 3°30'00"
T = 431.38'
L = 843.58'
R = 1637.04'
PC STA = 83SB+17.38
Y = 141407.556
X = 732962.296
PT STA = 91SB+60.96
Y = 141767.436
X = 733714.960
BK = N79°12'29.2"E
AH = N49°40'59.2"E

C14

PI STA = 376+91.54
Y = 141267.514
X = 732352.087
DELTA = 9°22'00"
D = 5°30'00"
T = 85.34'
L = 170.31'
R = 1041.74'
PC STA = 376+06.19
Y = 141233.951
X = 732273.622
PT STA = 377+76.50
Y = 141287.860
X = 732434.970
BK = N66°50'28.7"E
AH = N76°12'29.2"E

C15

PI STA = 373+41.28
Y = 140952.001
X = 731614.470
DELTA = 107°59'59"
D = 11°00'00"
T = 716.91'
L = 981.82'
R = 520.87'
PC STA = 366+24.37
Y = 140412.241
X = 732086.303
PT STA = 376+06.19
Y = 141233.948
X = 732273.615
BK = N41°09'30.4"W
AH = N66°50'28.7"E

C16

PI STA = 81NB+12.86
Y = 140561.322
X = 732600.724
DELTA = 71°03'51"
D = 5°00'00"
T = 818.34'
L = 1421.28'
R = 1145.92'
PC STA = 72NB+94.51
Y = 140922.729
X = 731866.511
PT STA = 87NB+15.80
Y = 141138.522
X = 733180.831
BK = S63°47'30.8"E
AH = N45°08'38.2"E

C17

PI STA = 362+67.17
Y = 140116.036
X = 732313.355
DELTA = 41°56'53"
D = 13°00'00"
T = 168.96'
L = 322.68'
R = 440.74'
PC STA = 360+98.21
Y = 139947.097
X = 732311.027
PT STA = 364+20.89
Y = 140243.241
X = 732202.158
BK = N00°47'22.2"E
AH = N41°09'30.8"W

C18

PI STA = 276+43.38
Y = 140314.584
X = 732465.830
DELTA = 39°12'31"
D = 10°00'00"
T = 204.07'
L = 392.09'
R = 572.96'
PC STA = 274+39.31
Y = 140111.227
X = 732448.791
PT STA = 278+31.40
Y = 140461.384
X = 732607.584
BK = N04°47'22.2"E
AH = N43°59'53.2"E

N

DRAFT

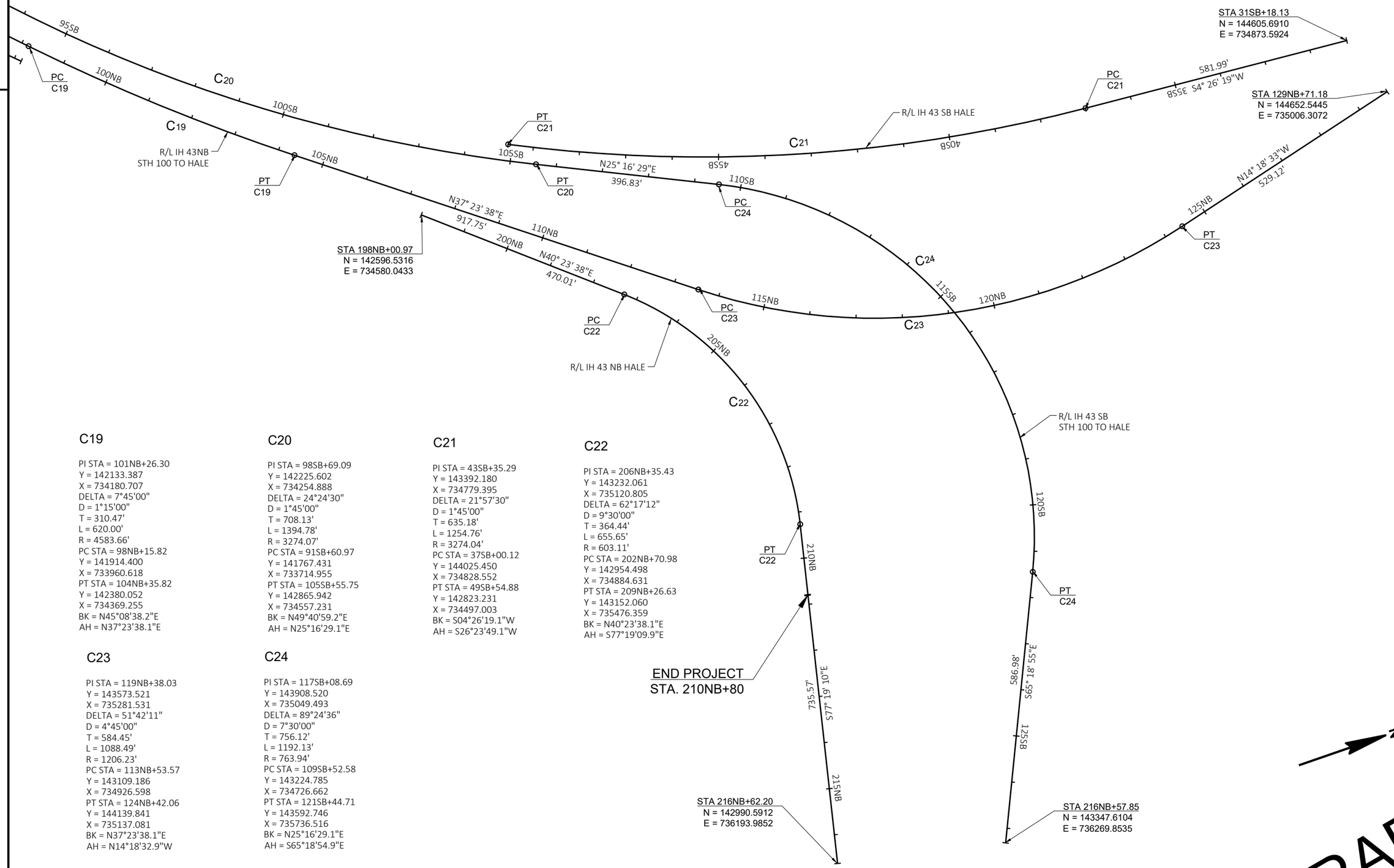
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET E

PRE_125

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027205

PLOT DATE : 11/4/2020 8:28 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42



C19

PI STA = 101NB+26.30
Y = 142133.387
X = 734180.707
DELTA = 7°45'00"
D = 1°15'00"
T = 310.47'
L = 620.00'
R = 4583.66'
PC STA = 98NB+15.82
Y = 141914.400
X = 733960.618
PT STA = 104NB+35.82
Y = 142380.052
X = 734369.255
BK = N45°08'38.2"E
AH = N37°23'38.1"E

C20

PI STA = 98SB+69.09
Y = 142225.602
X = 734254.888
DELTA = 24°24'30"
D = 1°45'00"
T = 708.13'
L = 1394.78'
R = 3274.07'
PC STA = 91SB+60.97
Y = 141767.431
X = 733714.955
PT STA = 105SB+55.75
Y = 142865.942
X = 734557.231
BK = N49°40'59.2"E
AH = N25°16'29.1"E

C21

PI STA = 43SB+35.29
Y = 143392.180
X = 734779.395
DELTA = 21°57'30"
D = 1°45'00"
T = 635.18'
L = 1254.76'
R = 3274.04'
PC STA = 37SB+00.12
Y = 144025.450
X = 734828.552
PT STA = 49SB+54.88
Y = 142823.231
X = 734497.003
BK = S04°26'19.1"W
AH = S26°23'49.1"W

C22

PI STA = 206NB+35.43
Y = 143232.061
X = 735120.805
DELTA = 62°17'12"
D = 9°30'00"
T = 364.44'
L = 655.65'
R = 603.11'
PC STA = 202NB+70.98
Y = 142954.498
X = 734884.631
PT STA = 209NB+26.63
Y = 143152.060
X = 735476.359
BK = N40°23'38.1"E
AH = S77°19'09.9"E

C23

PI STA = 119NB+38.03
Y = 143573.521
X = 735281.531
DELTA = 51°42'11"
D = 4°45'00"
T = 584.45'
L = 1088.49'
R = 1206.23'
PC STA = 113NB+53.57
Y = 143109.186
X = 734926.598
PT STA = 124NB+42.06
Y = 144139.841
X = 735137.081
BK = N37°23'38.1"E
AH = N14°18'32.9"W

C24

PI STA = 117SB+08.69
Y = 143908.520
X = 735049.493
DELTA = 89°24'36"
D = 7°30'00"
T = 756.12'
L = 1192.13'
R = 763.94'
PC STA = 109SB+52.58
Y = 143224.785
X = 734726.662
PT STA = 121SB+44.71
Y = 143592.746
X = 735736.516
BK = N25°16'29.1"E
AH = S65°18'54.9"E

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027206
PLOT DATE : 11/4/2020 8:28 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

C25

PI STA = 32SB+59.81
Y = 139882.878
X = 716029.995
DELTA = 20°35'27"
D = 22°55'06"
T = 45.41'
L = 89.84'
R = 250.00'
PC STA = 32SB+14.40
Y = 139838.831
X = 716041.045
PT STA = 33SB+04.24
Y = 139920.224
X = 716004.160
BK = N14°05'00.5"W
AH = N34°40'27.6"W

C26

PI STA = 33SB+99.75
Y = 139998.772
X = 715949.823
DELTA = 76°58'13"
D = 52°19'30"
T = 87.05'
L = 147.10'
R = 109.50'
PC STA = 33SB+12.70
Y = 139927.179
X = 715999.348
PT STA = 34SB+59.80
Y = 140063.164
X = 716008.406
BK = N34°40'27.6"W
AH = N42°17'45.2"E

C27

PI STA = 34NB+00.43
Y = 139982.020
X = 716229.437
DELTA = 79°02'49"
D = 53°03'06"
T = 89.10'
L = 149.00'
R = 108.00'
PC STA = 33NB+11.32
Y = 139916.353
X = 716169.212
PT STA = 33NB+60.32
Y = 140053.625
X = 716176.408
BK = N42°31'27.6"E
AH = N36°31'21.4"W

C28

PI STA = 32NB+71.26
Y = 139886.689
X = 716142.007
DELTA = 10°30'21"
D = 15°44'26"
T = 33.47'
L = 66.74'
R = 364.00'
PC STA = 32NB+37.80
Y = 139858.314
X = 716124.264
PT STA = 33NB+04.54
Y = 139911.353
X = 716164.627
BK = N32°01'06.5"E
AH = N42°31'27.6"E

R/L IH 43 WB
R/L IH 43 EB
R/L CTH O SB
R/L CTH O NB
R/L IH 43 NB ON RAMP (LOOP) FROM CTH O SB
R/L IH 43 NB ON RAMP FROM CTH O NB
BEGIN ALIGNMENT STA 761+88.42
BEGIN ALIGNMENT STA 782+55.76
N49° 00' 16"E 5535.79'
N48° 59' 36"E 975.53'
N48° 59' 36"E 975.53'
N48° 13' 46"E 300.03'
N48° 59' 36"E 600.00'
N48° 59' 36"E 350.00'
N48° 59' 36"E 600.00'
N42° 17' 45"E 63.66'
N10° 04' 11"W 59.08'
N36° 31' 21"W 38.39'
N34° 40' 28"W 8.46'
S2° 28' 25"W 610.30'
N0° 20' 01"E 199.31'
N31° 42' 29"E 402.76'
N31° 42' 29"E 402.76'
775SB
775NB
780SB
780NB
785SB
785NB
790SB
790NB
795SB
795NB
800SB
800NB
780
785
790
795
800
770
775
785
790
795
800
40SB
40NB
35SB
35NB
30SB
30NB
25SB
25NB
20SB
20NB
PC C25
PT C25
PC C26
PT C26
PC C27
PT C27
PC C28
PT C28
C25
C26
C27
C28
C31
C32
C33

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN	SHEET

PRE_127

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 027207

PLOT DATE : 11/4/2020 8:29 AM

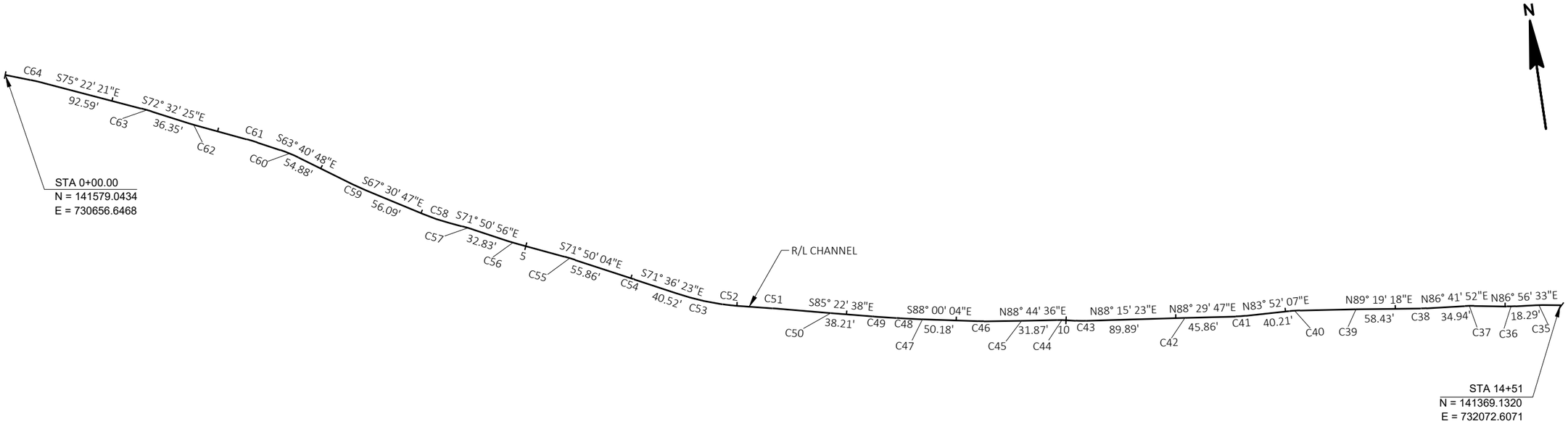
PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2



CURVE TABLE

CURVE	PI	PI X COORDINATE	PI Y COORDINATE	Δ	D	T	L	R	PC	PT
C35	14+30.80	732052.22'	141369.54'	3°14'15"	51°25'07"	3.15	6.30	111.43	14+27.66	14+33.95
C36	14+05.36	732026.80'	141368.18'	4°07'18"	51°25'07"	4.01	8.02	111.43	14+01.35	14+09.36
C37	13+67.45	731988.90'	141368.89'	4°21'59"	51°25'07"	4.25	8.49	111.43	13+63.20	13+71.69
C38	13+25.71	731947.23'	141366.48'	2°37'26"	51°25'07"	2.55	5.10	111.43	13+23.16	13+28.26
C39	12+64.22	731885.74'	141365.76'	0°31'20"	51°25'07"	0.51	1.02	111.43	12+63.71	12+64.73
C40	12+08.42	731829.94'	141364.59'	4°55'51"	51°25'07"	4.80	9.59	111.43	12+03.62	12+13.21
C41	11+58.92	731780.72'	141359.30'	4°37'40"	51°25'07"	4.50	9.00	111.43	11+54.41	11+63.41
C42	11+08.32	731730.14'	141357.97'	0°14'24"	51°25'07"	0.23	0.47	111.43	11+08.09	11+08.55
C43	10+13.51	731635.37'	141355.09'	4°48'53"	51°25'07"	4.68	9.36	111.43	10+08.83	10+18.19
C44	9+96.14	731618.02'	141356.02'	4°19'40"	51°25'07"	4.21	8.42	111.43	9+91.93	10+00.35
C45	9+59.48	731581.37'	141355.21'	0°36'00"	51°25'07"	0.58	1.17	111.43	9+58.89	9+60.06
C46	9+22.63	731544.52'	141354.79'	2°39'20"	51°25'07"	2.58	5.16	111.43	9+20.05	9+25.21
C47	8+69.36	731491.28'	141356.65'	0°31'27"	51°25'07"	0.51	1.02	111.43	8+68.85	8+69.87
C48	8+47.32	731469.27'	141357.62'	1°27'45"	51°25'07"	1.42	2.84	111.43	8+45.90	8+48.75
C49	8+24.57	731446.57'	141359.20'	0°38'14"	51°25'07"	0.62	1.24	111.43	8+23.95	8+25.19

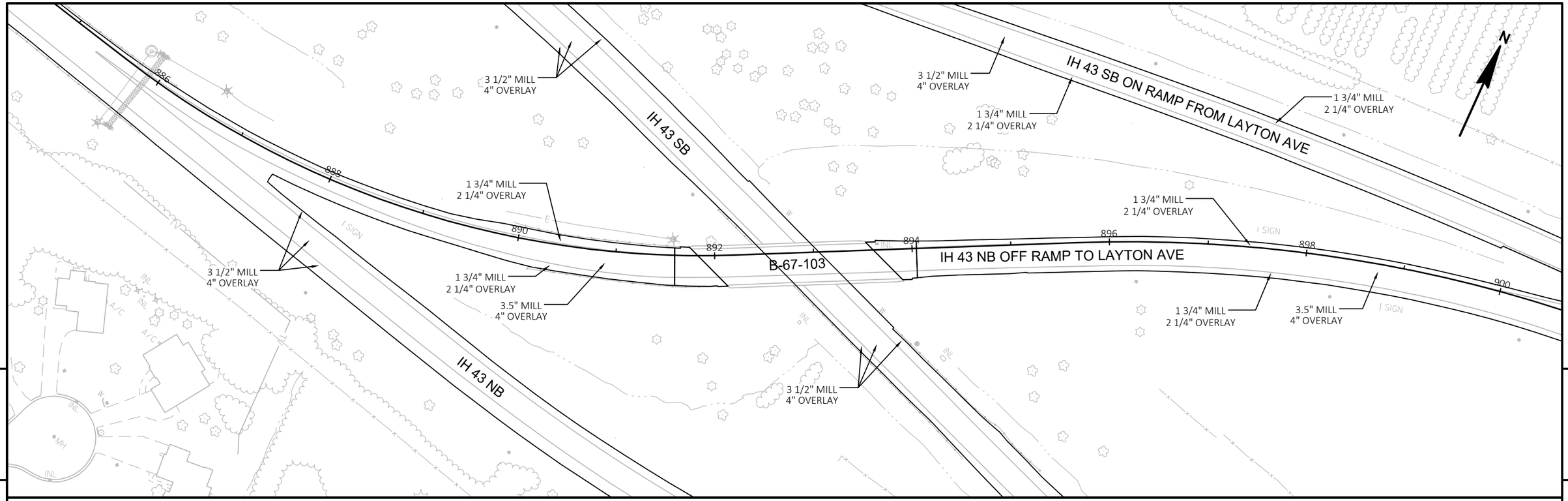
CURVE TABLE

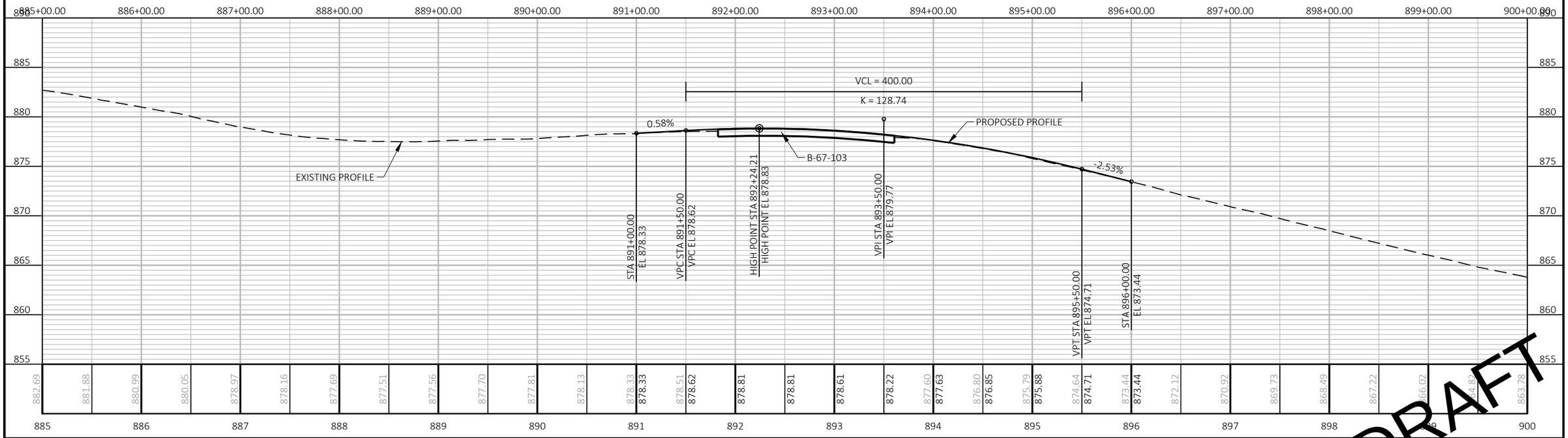
CURVE	PI	PI X COORDINATE	PI Y COORDINATE	Δ	D	T	L	R	PC	PT
C50	7+85.71	731407.84'	141362.33'	0°01'34"	51°25'07"	0.03	0.05	111.43	7+85.69	7+85.74
C51	7+32.95	731355.25'	141366.61'	0°40'54"	51°25'07"	0.66	1.33	111.43	7+32.28	7+33.61
C52	6+92.10	731314.49'	141369.44'	5°11'28"	51°25'07"	5.05	10.10	111.43	6+87.05	6+97.14
C53	6+63.39	731286.06'	141374.02'	9°14'08"	23°33'21"	19.65	39.21	243.24	6+43.74	6+82.95
C54	6+02.83	731228.59'	141393.13'	0°13'41"	28°38'52"	0.40	0.80	200.00	6+02.43	6+03.22
C55	5+41.49	731170.31'	141412.25'	2°54'28"	28°38'52"	5.08	10.15	200.00	5+36.42	5+46.57
C56	4+87.82	731118.53'	141426.38'	2°53'35"	28°38'52"	5.05	10.10	200.00	4+82.77	4+92.87
C57	4+44.50	731077.37'	141439.87'	3°06'55"	28°38'52"	5.44	10.87	200.00	4+39.06	4+49.94
C58	4+14.73	731048.58'	141447.61'	7°27'04"	28°38'52"	13.02	26.01	200.00	4+01.71	4+27.72
C59	3+38.93	730978.54'	141476.60'	3°49'59"	28°38'52"	6.69	13.38	200.00	3+32.24	3+45.62
C60	2+68.47	730915.36'	141507.85'	8°05'14"	45°25'03"	8.92	17.81	126.15	2+59.56	2+77.36
C61	2+32.37	730881.06'	141519.15'	2°51'26"	28°38'52"	4.99	9.97	200.00	2+27.38	2+37.36
C62	1+77.41	730828.08'	141533.72'	2°05'03"	28°38'52"	3.64	7.28	200.00	1+73.78	1+81.05
C63	1+32.49	730785.21'	141547.20'	2°49'56"	28°38'52"	4.94	9.89	200.00	1+27.54	1+37.43
C64	0+29.30	730685.37'	141573.26'	3°14'25"	28°38'52"	5.66	11.31	200.00	0+23.64	0+34.95

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	ALIGNMENT PLAN - CHANNEL	SHEET PRE_128 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\027201_AD2.DWG
LAYOUT NAME - 027208
PLOT DATE : 12/4/2020 3:37 PM
PLOT BY : ABU AJWA, MUNTHER J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42





DRAFT

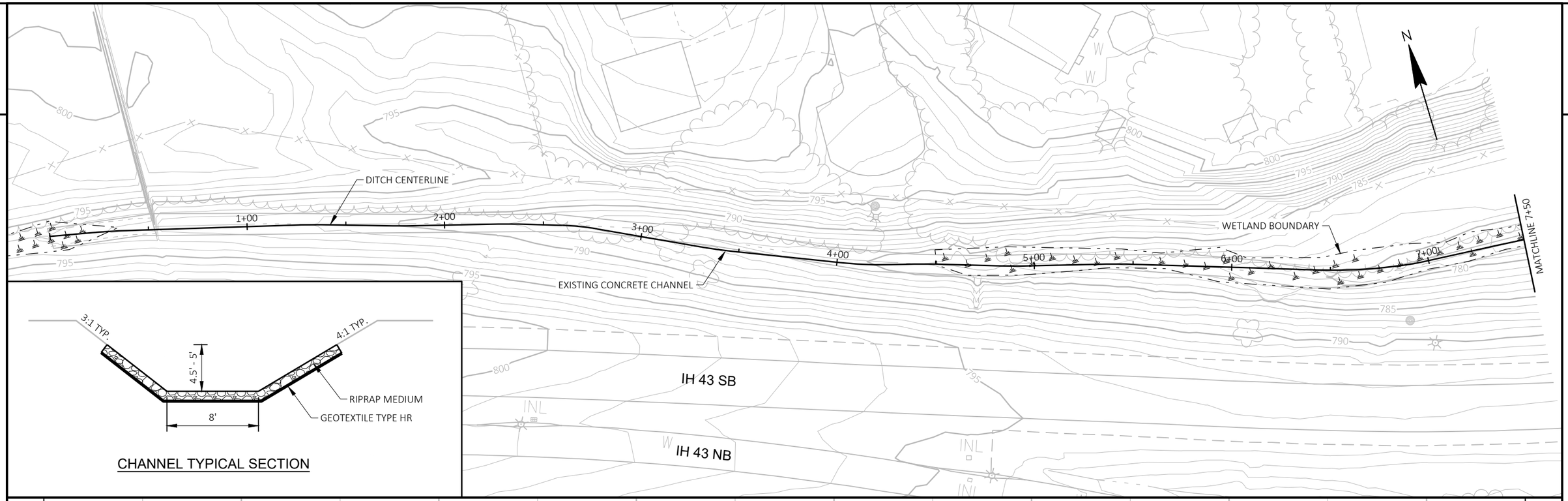
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN AND PROFILE: IH 43 NB OFF RAMP TO LAYTON AVE	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050101

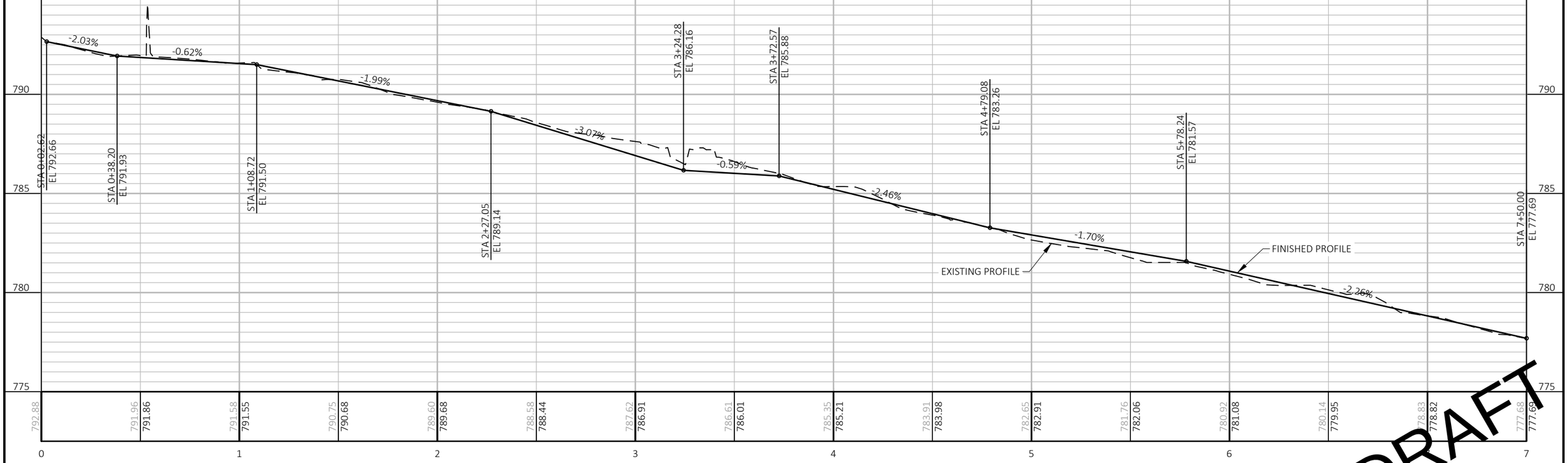
PLOT DATE : 11/4/2020 8:44 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



CHANNEL TYPICAL SECTION



DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN AND PROFILE: CHANNEL	SHEET E

2

N

MATCHLINE 7+50

WETLAND BOUNDARY

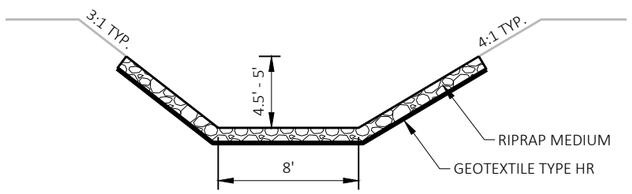
DITCH CENTERLINE

EXISTING CONCRETE CHANNEL

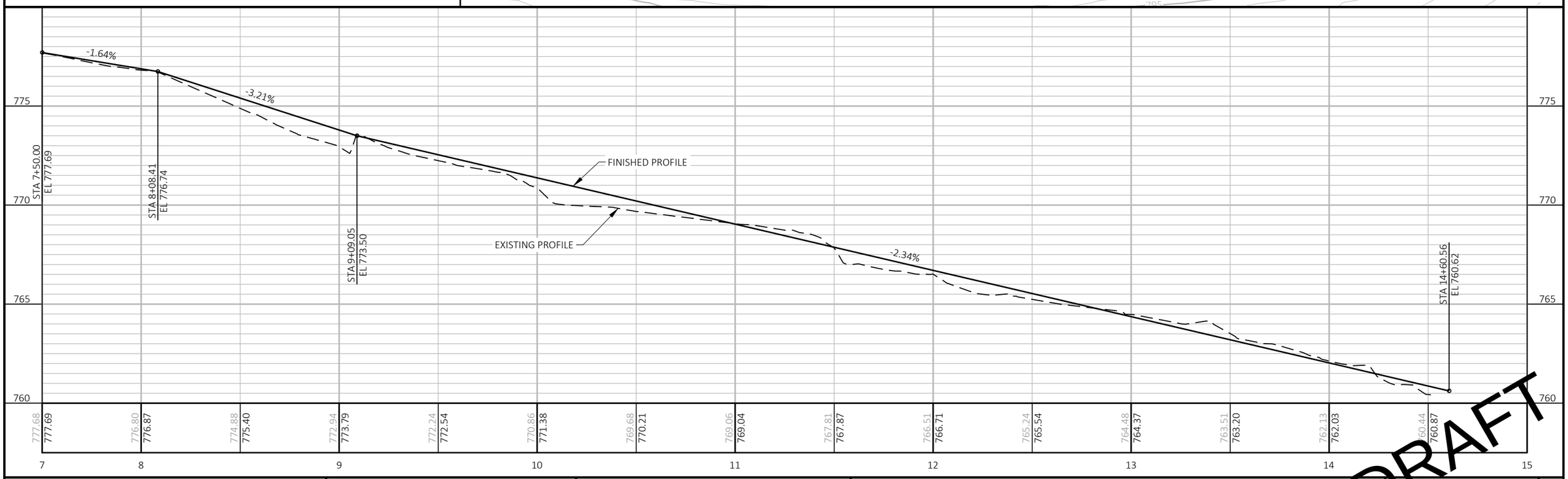
8+00 9+00 10+00 11+00 12+00 13+00 14+00

770 775 780 785 790 795

IH 43 SB



CHANNEL TYPICAL SECTION



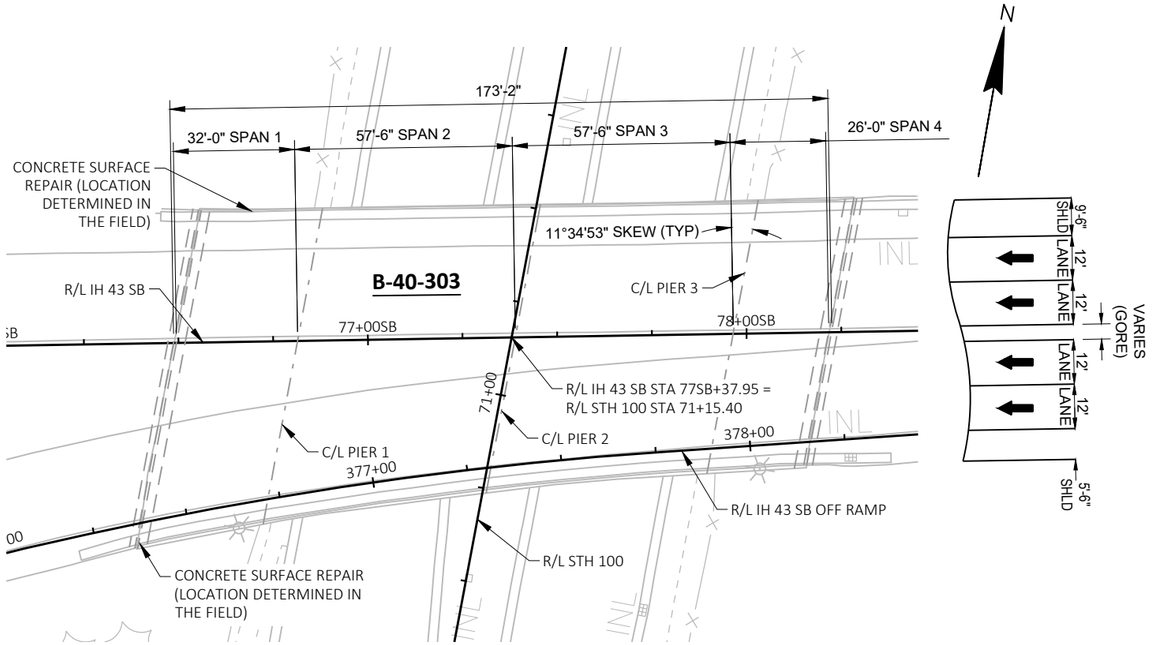
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	PLAN AND PROFILE: CHANNEL	SHEET E

DRAFT

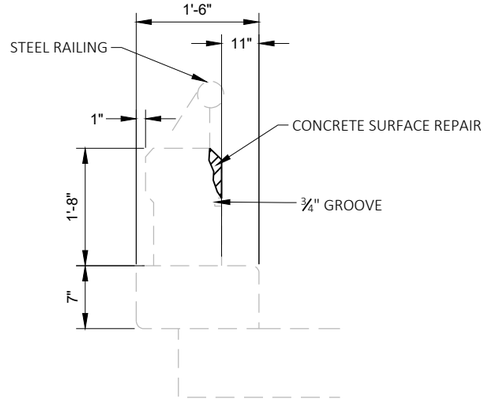
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\022002_EC-CONCCHANNEL.DWG
LAYOUT NAME - 022102

PLOT DATE : 12/4/2020 10:37 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:50 FT

STATE PROJECT NUMBER
1090-08-71



PLAN



PARAPET - SECTION

DESIGN DATA

LIVE LOAD:
DESIGN RATING: HS-20
INVENTORY RATING: HS-20
OPERATIONAL RATING: HS-33
WISCONSIN STANDARD PERMIT VEHICLE LOAD (WIS-SPV): 250 KIPS

NOTES

DRAWINGS SHALL NOT BE SCALED.

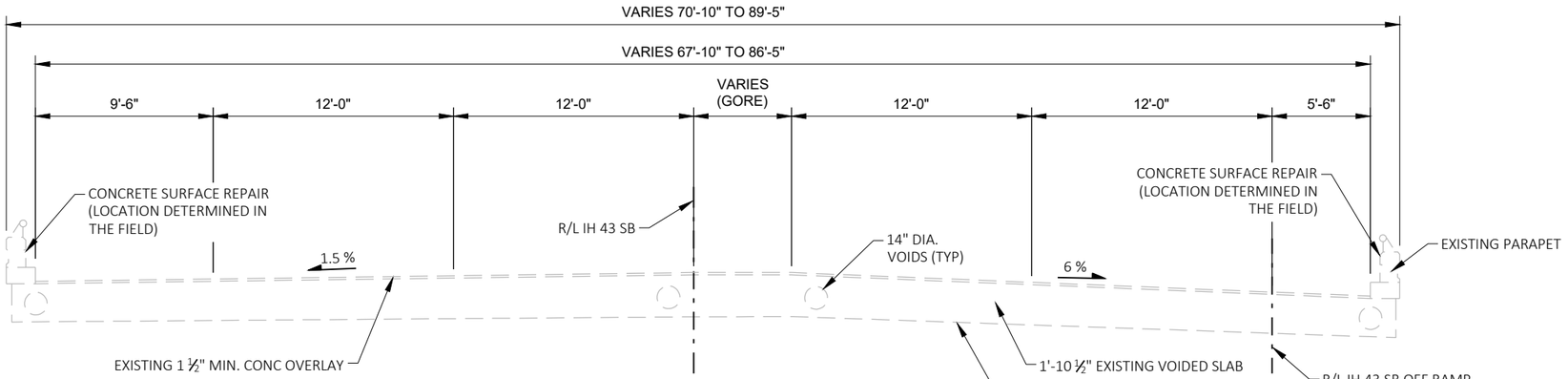
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT.

THE CONTRACTOR MUST PROTECT THE EXISTING REINFORCEMENT STEEL THAT REMAINS DURING DEMOLITION. REPLACEMENT OF COMPONENTS DAMAGED DURING THE REMOVAL OF THE EXISTING CONCRETE WILL BE THE CONTRACTORS RESPONSIBILITY AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

CONCRETE SURFACE REPAIR QUANTITIES TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

THE LOCATION OF "REMOVING LOOSE CONCRETE" ON THE UNDERSIDE OF THE DECK SHALL BE DETERMINED BY THE FIELD ENGINEER.



SECTION THRU ROADWAY - LOOKING EAST

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.1500	CONCRETE SURFACE REPAIR	SF	
SPV.0165	REMOVING LOOSE CONCRETE	SF	

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-303

IH 43 SB/USH 45 SB OVER STH 100 / 108TH ST

COUNTY	TOWN
MILWAUKEE	GREENFIELD

DESIGN SPEC. REHABILITATION/NEW

DESIGNED BY REGION	DESIGNED CK'D REGION	DRAWN BY REGION	PLANS CK'D REGION

REMOVE LOOSE CONCRETE & PARAPET REPAIR

SHEET 1 OF 1
PRE_132

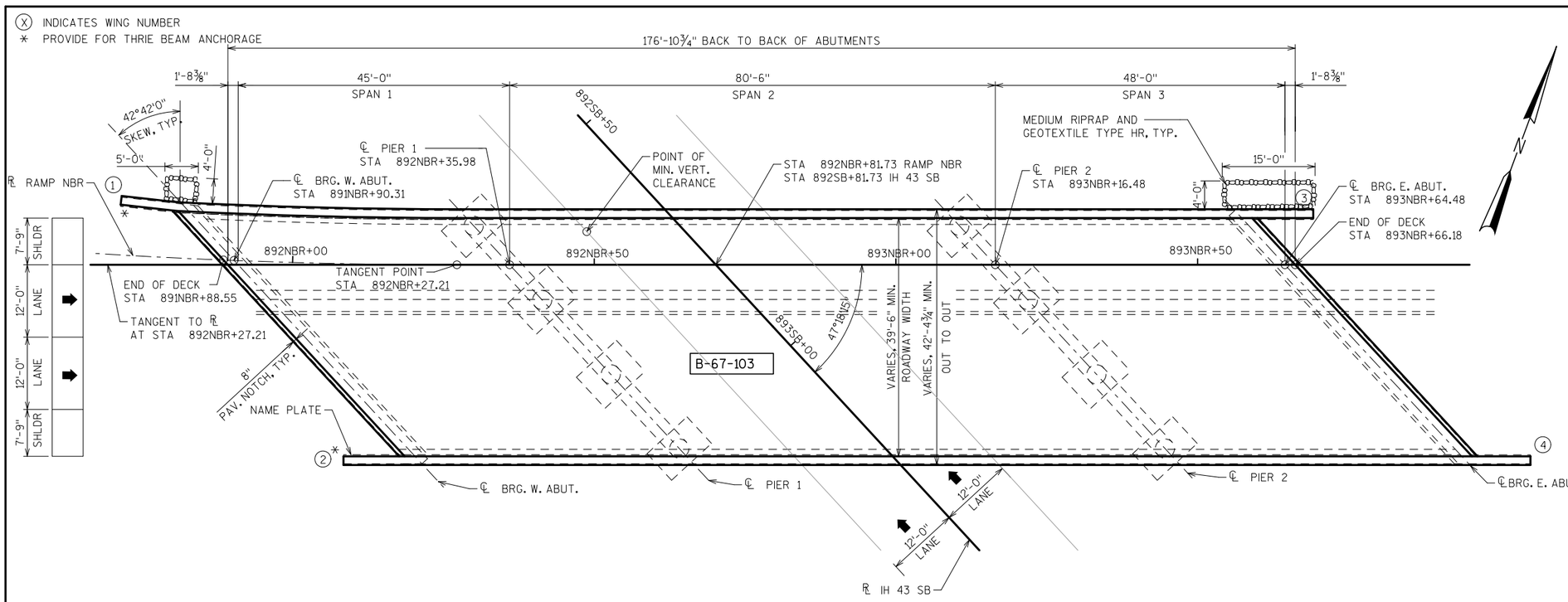
DRAFT

8

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\STRUCTURE PLAN B-40-303.DWG PLOT DATE : 7/7/2020 6:44 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:40 FT

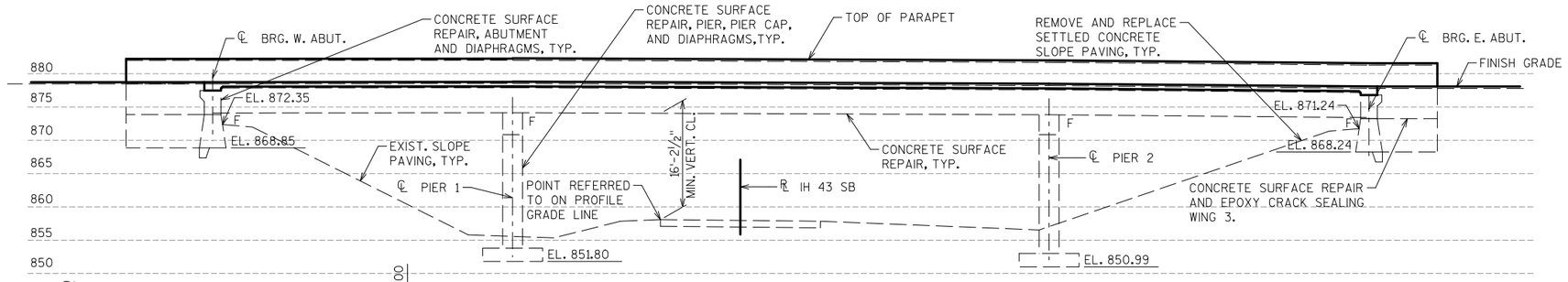
FILE NAME: X:\BMI-3582E WO #5 IH 43 Bridges\5.Design\04.Structures_Bridges\cds\current plans\B-67-103\01_general plan.dgn
DATE: 7/24/2020 4:54:20 PM Plotted by: bthengan PEN TABLE: V8_STRUCTURAL_REV.TBL

STATE PROJECT NUMBER
1090-08-71



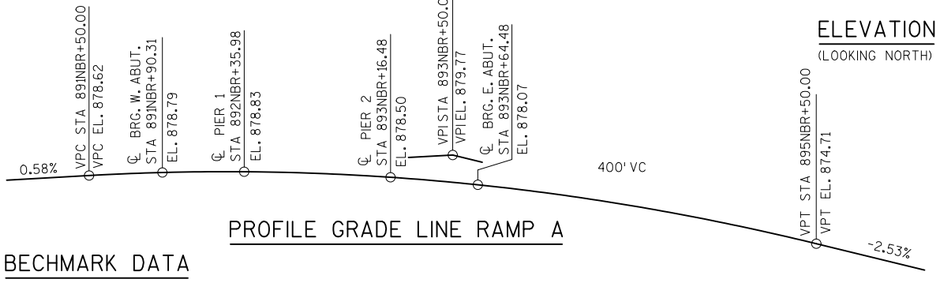
PLAN

(3 SPAN 45" PRESTRESSED GIRDER BRIDGE)



ELEVATION

(LOOKING NORTH)



PROFILE GRADE LINE RAMP A



PROFILE GRADE LINE IH-43 SB

(BASED ON FIELD SURVEY)

BECHMARK DATA

NO.	STATION	DESCRIPTION	ELEVATION
CP1030	891NBR+93.53, 34.86' RT	SURVEY MONUMENT WITH AL. CAP	879.175
CP1060	891NBR+38.21, 12.96' LT	SURVEY MONUMENT WITH AL. CAP	877.145

DESIGN DATA

LIVE LOAD

DESIGN LOAD: HS20
INVENTORY RATING: HSXX
OPERATIONAL RATING: HS XX
WISCONSIN STANDARD PERMIT VEHICLE LOAD (WIS-SPV):.....XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY
DECK..... f'c = 4,000 psi
ALL OTHER ...f'c = 3,500 psi

BAR STEEL REINFORCEMENT, GRADE 60 ..... fy = 60,000 psi

CURVE DATA

(℄ RAMP NBR)
P.I. STA 889NBR+10.12
DELTA = 39°43'16"
D = 6°00'00"
T = 344.93'
L = 662.02'
R = 954.93'
S.E. = 0.06%

TRAFFIC DATA

RAMP NBR

A.D.T. (2019) = 5,600
A.D.T. (2038) = 6,720
R.D.S. = 40 MPH

IH 43 SB

A.D.T. (2019) = 29,900
A.D.T. (2038) = 43,200
R.D.S. = 75 MPH

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION AND GENERAL NOTES
3. CONSTRUCTION STAGING

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES CONTACT:
AARON BONK
(608) 261-0261

CONSULTANT CONTACT:
YAN NENAYDYKH
(414) 292-4599

NO.	DATE	REVISION	BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
10501 W. Research Drive • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-103

NB OFF-RAMP TO 124TH STREET

COUNTY	CITY
WAUKESHA	NEW BERLIN

DESIGN SPEC. REHABILITATION LRFD

DESIGNED BY	DETAILED BY	CHECKED BY	PLANS CK'D.
BDT		TAL	CSL

GENERAL PLAN AND ELEVATION

SHEET 1 OF 3

PRE_133

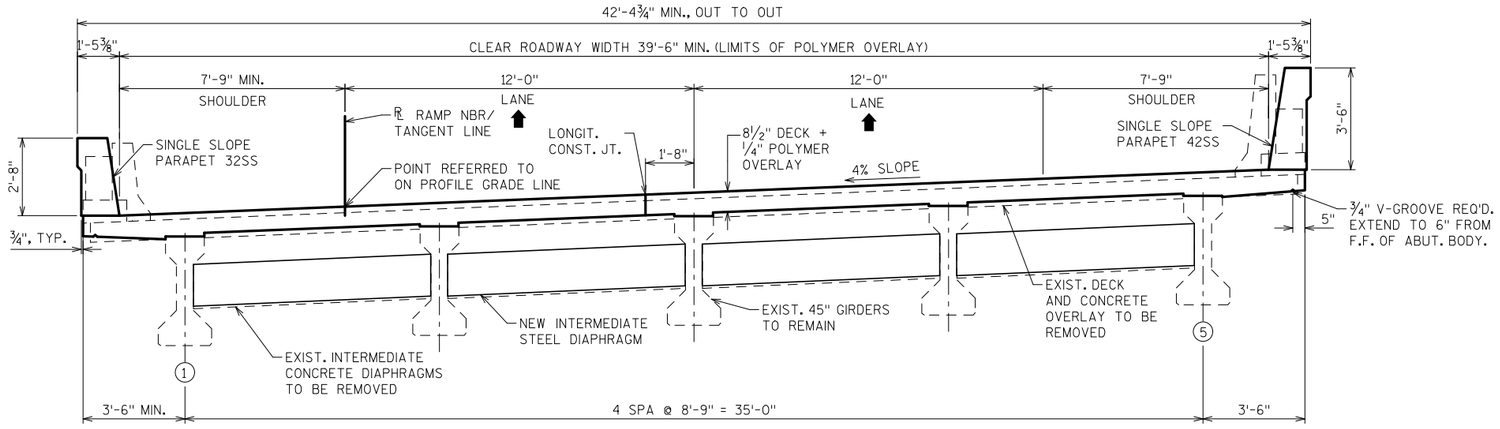
DRAFT

I.D. 1090-08-01 JUL 2020

8

8

STATE PROJECT NUMBER
1090-08-71



TYPICAL SECTION

(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	WEST ABUTMENT	EAST ABUTMENT	SUPER	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 892NBR+82.00	LS				
501.1000.S	ICE HOT WEATHER CONCRETING	LB				
502.0100	CONCRETE MASONRY BRIDGES	CY				
502.3200	PROTECTIVE SURFACE TREATMENT	SY				
502.3210	PIGMENTED SURFACE SEALER	SY				
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH				
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB				
506.4000	STEEL DIAPHRAGMS B-67-103	EACH				
509.1500	CONCRETE SURFACE REPAIR	SF				
509.5100.S	POLYMER OVERLAY	SY				
509.9020.S	EPOXY CRACK SEALING	LF				
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY				
604.0400	SLOPE PAVING CONCRETE	SY				
606.0200	RIPRAP MEDIUM	CY				
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH				
645.0120	GEOTEXTILE TYPE HR	SY				
SPV.0105.XX	VEGETATION REMOVAL B-67-103	LS				
	NON BID ITEMS					
	NAME PLATE	EACH		1		
	FILLER	SIZE		½"		

ALL ITEMS ARE CATEGORY XX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

ALL DIMENSIONS ARE IN FEET AND INCHES.

ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2012) DATUM.

ALL NEW BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4 INCH UNLESS OTHERWISE NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK. EXISTING BARS SHALL BE CLEANED AND STRAIGHTENED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL LIMITS SHALL BE DEFINED BY A 1 INCH DEEP SAWCUT.

ANY EXCAVATION REQUIRED TO COMPLETE THE DECK AND WINGS IS INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY BRIDGES".

VARIATIONS TO THE NEW GRADE LINE OVER 1/4 INCH MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. THE NEW NAME PLATE SHALL SHOW THE ORIGINAL CONSTRUCTION YEAR. ORIGINAL CONSTRUCTION YEAR IS 1969

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP AND SIDES OF PAVING NOTCH.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE TOP AND INSIDE FACES OF PARAPETS.

APPLY POLYMER OVERLAY OVER THE NEW DECK. SEE SPECIAL PROVISIONS FOR REQUIRED CONCRETE CURE TIME PRIOR TO APPLYING POLYMER OVERLAY.

PROFILE GRADE LINE ELEVATIONS ARE AT THE TOP OF THE 1/4 INCH POLYMER OVERLAY. POLYMER OVERLAY IS NOT NOT INCLUDED IN THE 8½ INCH DECK THICKNESS.

EXISTING STRUCTURE B-67-103 IS A 3-SPAN 45" PRESTRESSED CONCRETE GIRDER BRIDGE WITH AN OVERALL LENGTH OF 176.9 FEET AND AN OVERALL WIDTH OF 42.4 FEET. THE EXISTING DECK, DECK OVERLAY, PARAPETS, PART OF WING WALLS, CONCRETE INTERMEDIATE DIAPHRAGMS, AND PART OF SLOPE PAVING SHALL BE REMOVED AND REPLACED IN THIS CONTRACT. EXISTING GIRDERS AND SUBSTRUCTURE UNITS SHALL REMAIN IN PLACE.

PLANS OF THE EXISTING BRIDGE ARE ON FILE AND ARE AVAILABLE FOR INSPECTION AT THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHEAST REGION.

THE HAUNCH CONCRETE QUANTITY IS BASED ON AN AVERAGE HAUNCH OF __ INCHES.

CONCRETE SURFACE REPAIR AND EPOXY CRACK SEALINGREQUIRED IN AREAS DESIGNATED BY THE FIELD ENGINEER. QUANTITIES SHOWN ARE APPROXIMATE AND UNDISTRIBUTED.

UNDER THE BID ITEM "VEGETATION REMOVAL B-67-103" REMOVE ALL VEGETATION ON EXISTING SLOPE PAVING AND WITHIN A STRIP 5 FEET FROM THE EDGES OF SLOPE PAVING AND EXTERIOR FACE OF WINGS.

SUBMIT A REMOVAL PLAN TO THE ENGINEER FOR APPROVAL.

MONITOR SAWCUTTING OF EXISTING BRIDGE DECK AND BLADE DEPTH SO THAT EXISTING UNDERLYING GIRDERS ARE NOT DAMAGED. EXERCISE CARE NOT TO DAMAGE THE TOP FLANGES OF GIRDERS WITH DEMOLITION EQUIPMENT. DO NOT DAMAGE EXISTING GIRDER STIRRUPS EMBEDDED IN EXISTING DECK.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-67-103

DRAWN BY: TAL | PLANS CK'D. CSL

TYPICAL SECTION AND GENERAL NOTES

SHEET 2 OF 3

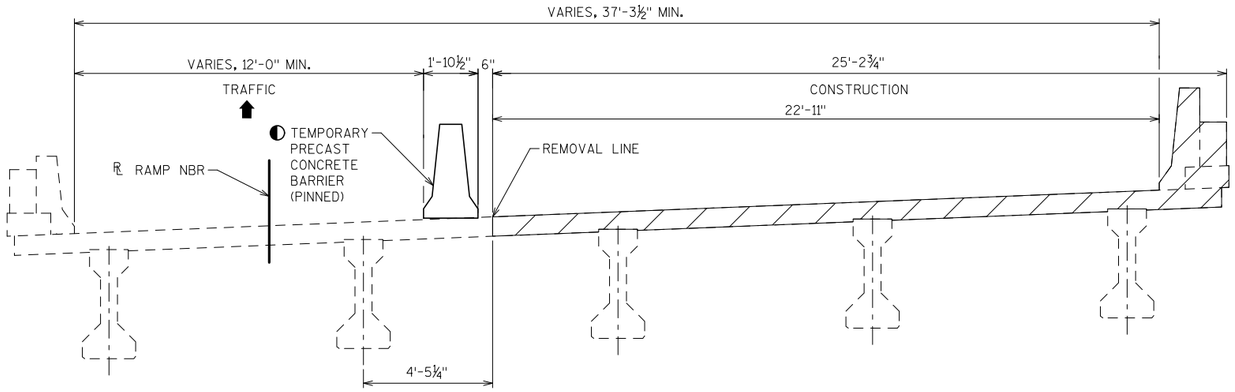
DRAFT

PRE_134

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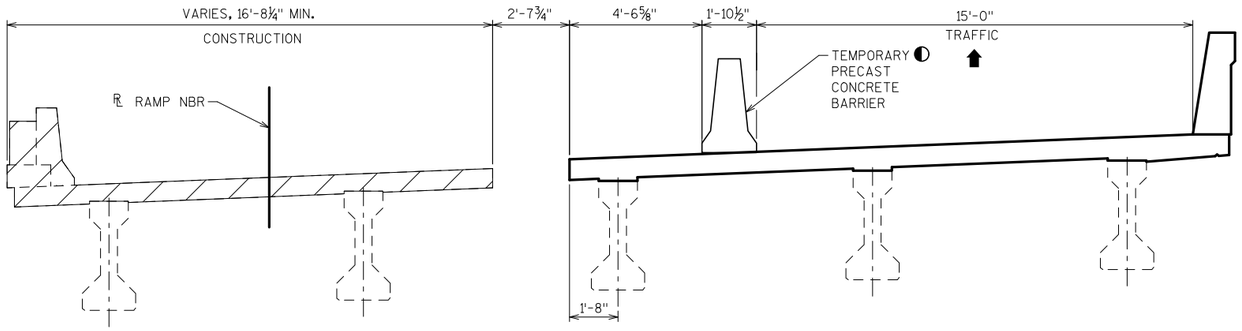
8

STATE PROJECT NUMBER
1090-08-71



CONSTRUCTION STAGE 1

(LOOKING EAST)



CONSTRUCTION STAGE 2

(LOOKING EAST)

LEGEND

◐ TEMPORARY PRECAST CONCRETE BARRIER IS PAID UNDER ROADWAY BID ITEMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-67-103

DRAWN BY: TAL | PLANS CK'D.: CSL

CONSTRUCTION STAGING

SHEET 3 OF 3

PRE_135

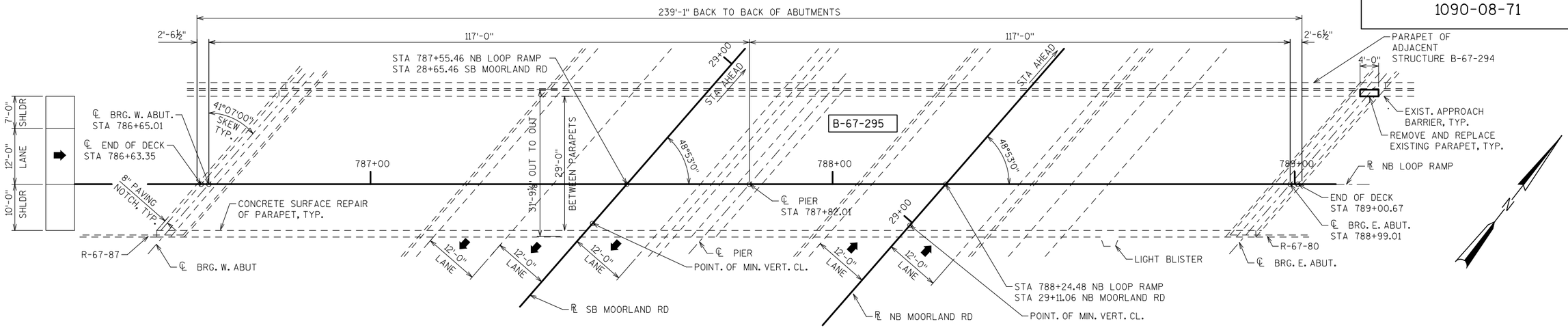
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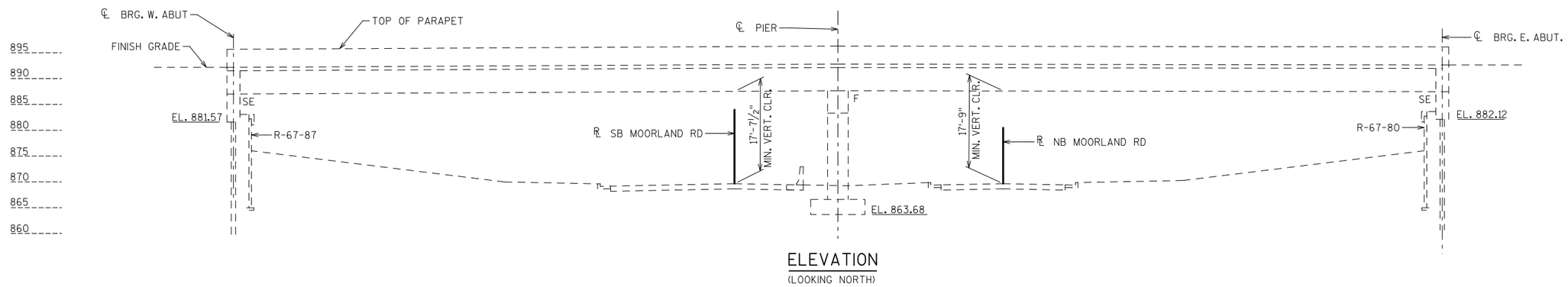
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STATE PROJECT NUMBER
1090-08-71



PLAN

2-SPAN 54W" PRESTRESSED CONCRETE GIRDER BRIDGE



ELEVATION

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD

DESIGN LOAD: HS25 (TAKEN FROM HSI 7/20/2020)
INVENTORY RATING: HS16 (TAKEN FROM HSI 7/20/2020
)PERATIONAL RATING: HS29 (TAKEN FROM HSI 7/20/2020)
WISCONSIN STANDARD PERMIT VEHICLE LOAD
(WIS-SPV): 250 KIPS (TAKEN FROM HSI 7/20/2020)

MATERIAL PROPERTIES

CONCRETE MASONRY
PARAPET..... f'c = 4,000 psi
ALL OTHER ...f'c = 3,500 psi

BAR STEEL REINFORCEMENT, GRADE 60 ..... fy = 60,000 psi

TRAFFIC DATA

NB LOOP RAMP

A.D.T. (2018) = 7,600
A.D.T. (2026) = 13,750
R.D.S. = 50 MPH

MOORLAND ROAD

A.D.T. (2018) = 33,500
A.D.T. (2026) = 48,380
R.D.S. = 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION AND GENERAL NOTES

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES CONTACT:
AARON BONK
(608) 261-0261

CONSULTANT CONTACT:
YAN NENAYDYKH
(414) 292-4599

NO.	DATE	REVISION	BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
10501 W. Research Drive • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-295

NB LOOP RAMP OVER MOORLAND ROAD

COUNTY	CITY
WAUKESHA	NEW BERLIN

DESIGN SPEC. REHABILITATION LRFA

DESIGNED BY	DESIGNED	DRAWN	CHECKED	PLANS CK'D.
BDT	YAN	TAL		CSL

GENERAL PLAN AND ELEVATION

SHEET 1 OF 2

PRE_136

DRAFT

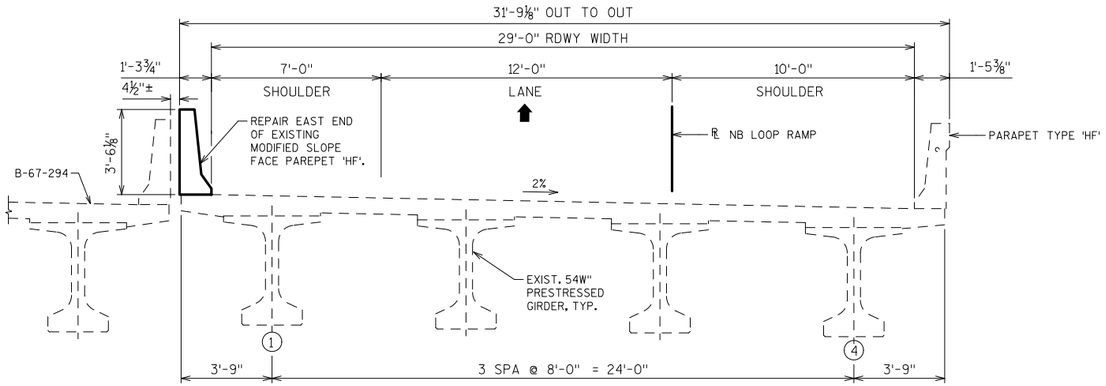
I.D. 1090-08-01 JUL 2020

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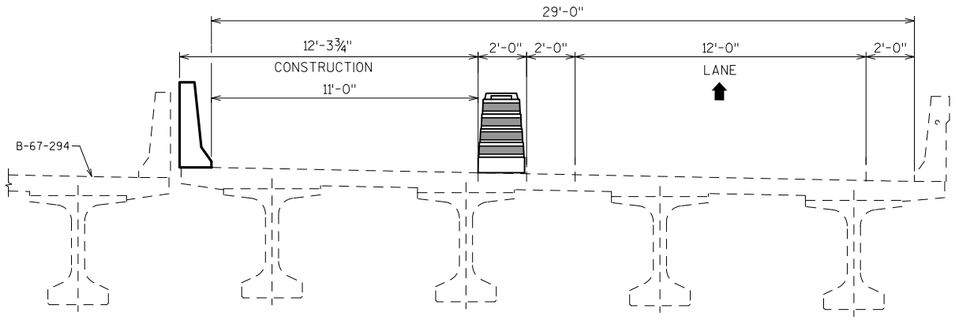
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STATE PROJECT NUMBER
1090-08-71



TYPICAL SECTION THRU NB LOOP RAMP

(LOOKING EAST)



CONSTRUCTION STAGING

(LOOKING EAST)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	WEST ABUTMENT	EAST ABUTMENT	SUPER	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 788+00	LS				
502.0100	CONCRETE MASONRY BRIDGES	CY				
502.3210	PIGMENTED SURFACE SEALER	SY				
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH				
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB				
509.1500	CONCRETE SURFACE REPAIR	SF				
	NON BID ITEMS					
	FILLER	SIZE		½"		

ALL ITEMS ARE CATEGORY XX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

ALL DIMENSIONS ARE IN FEET AND INCHES.

ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2012) DATUM.

ALL NEW BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4 INCH UNLESS OTHERWISE NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK. EXISTING BARS SHALL BE CLEANED AND STRAIGHTENED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL LIMITS SHALL BE DEFINED BY A 1 INCH DEEP SAWCUT.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO TOP AND INSIDE FACES OF PARAPETS.

PART OF EXISTING PARAPET SHALL BE REMOVED AND REPLACED IN THIS CONTRACT.

PLANS OF THE EXISTING BRIDGE ARE ON FILE AND ARE AVAILABLE FOR INSPECTION AT THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHEAST REGION.

UNDER THE BID ITEM "REMOVING OLD STRUCTURE STATION 788+00" REMOVE THE EAST END OF NORTH PARAPET FOR THE LENGTH SHOWN ON PLANS.

CONCRETE SURFACE REPAIR REQUIRED IN AREAS DESIGNATED BY THE FIELD ENGINEER. QUANTITIES SHOWN ARE APPROXIMATE AND UNDISTRIBUTED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-67-295

DRAWN BY: BDT | PLANS CK'D. CSL

TYPICAL SECTION AND GENERAL NOTES

SHEET 2 OF 2

PRE_137

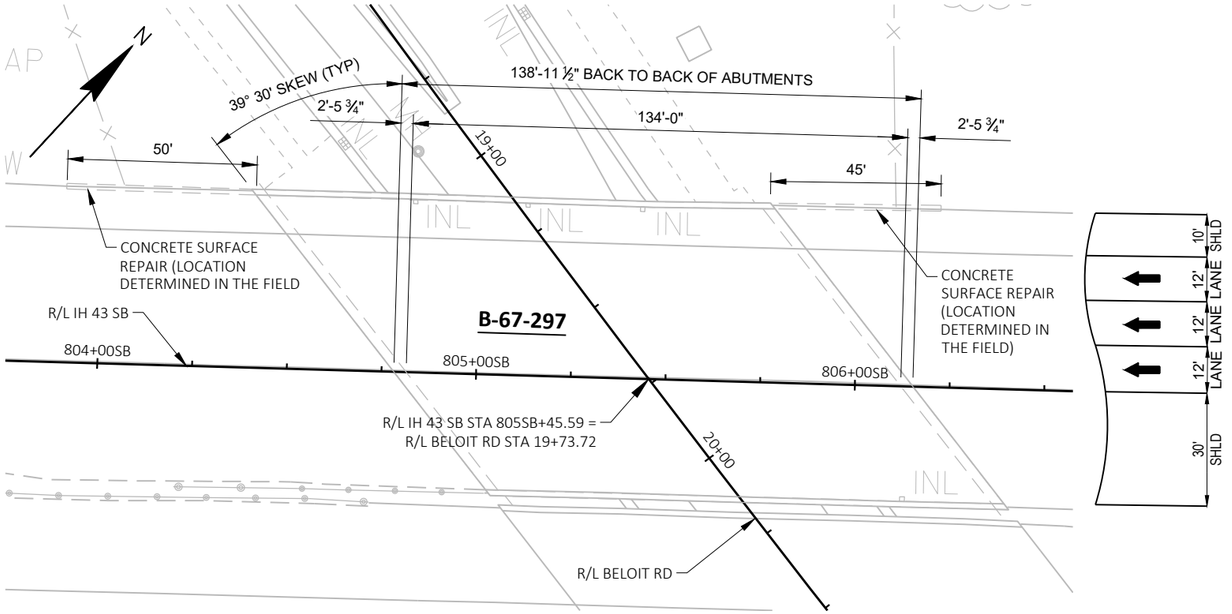
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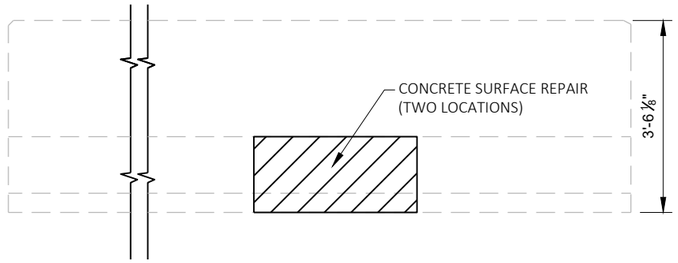
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STATE PROJECT NUMBER

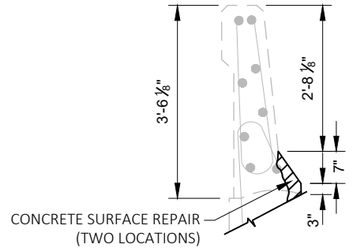
1090-08-71



PLAN



PARAPET - INSIDE ELEVATION



PARAPET - SECTION

DESIGN DATA

LIVE LOAD:
DESIGN RATING: HS-20
INVENTORY RATING: HS-29
OPERATIONAL RATING: HS-77
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 250 KIPS

STRUCTURE IS DESIGNED FOR FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

NOTES

DRAWINGS SHALL NOT BE SCALED.

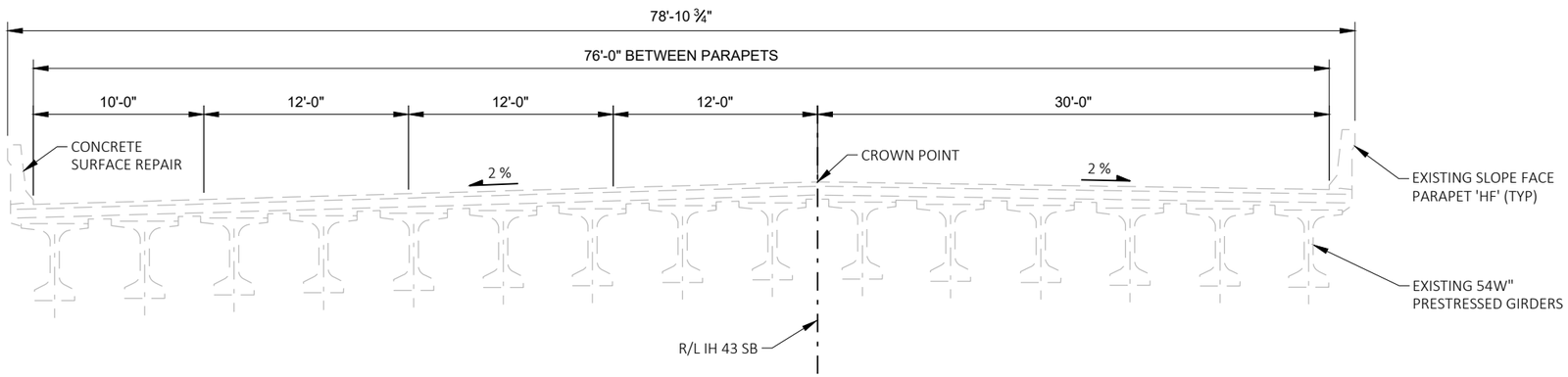
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT.

THE CONTRACTOR MUST PROTECT THE EXISTING REINFORCEMENT STEEL THAT REMAINS DURING DEMOLITION. REPLACEMENT OF COMPONENTS DAMAGED DURING THE REMOVAL OF THE EXISTING CONCRETE WILL BE THE CONTRACTORS RESPONSIBILITY AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

CONCRETE SURFACE REPAIR QUANTITIES TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

CONTRACTOR SHALL STAIN CONCRETE REPAIRS TO MATCH EXISTING PIGMENT "WHITE" FEDERAL COLOR NO. 27875. COMPLETE WORK UNDER BID ITEM "CONCRETE STAINING B-67-297".



SECTION THRU ROADWAY - LOOKING EAST

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.1500	CONCRETE SURFACE REPAIR	SF	
517.1010.S	CONCRETE STAINING B-40-297	SF	

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-297

IH 43 SB OVER CTH I (BELOIT RD)

COUNTY WAUKESHA | TOWN NEW BERLIN

DESIGN SPEC. | REHABILITATION N/A

DESIGNED BY REGION | DESIGNED CK'D REGION | DRAWN BY REGION | PLANS CK'D REGION

CONCRETE SURFACE REPAIR (PARAPET)

SHEET 1 OF 1
PRE_138

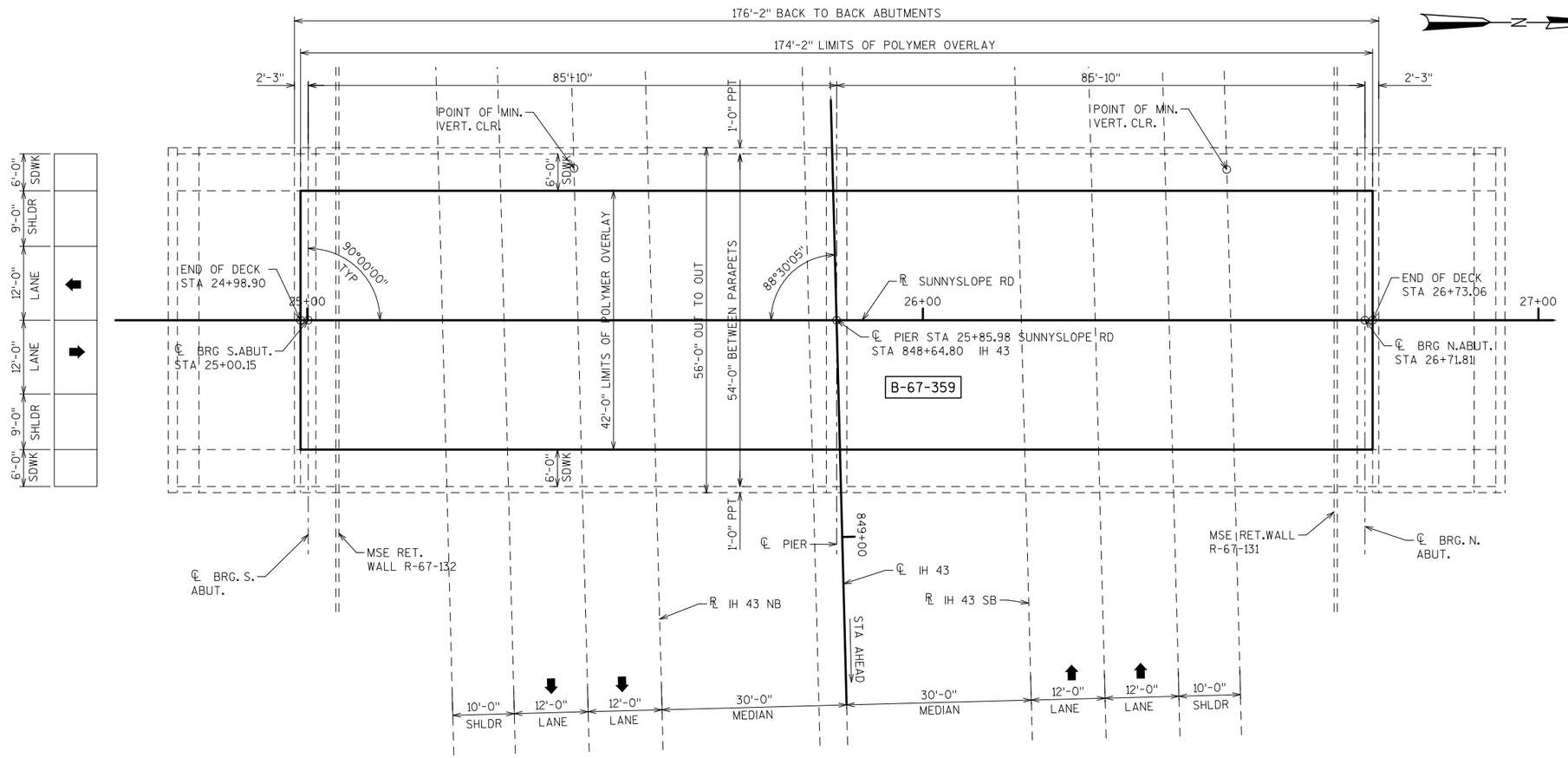
DRAFT

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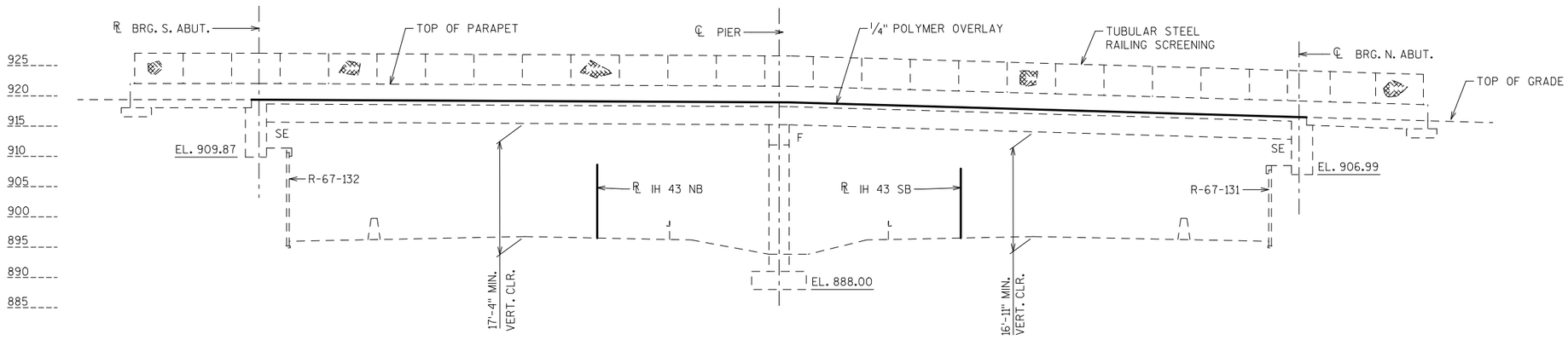
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DATE: 7/24/2020 4:20:18 PM Plotted by: bthengan PEN TABLE: V8_STRUCTURAL_REV.TBL

STATE PROJECT NUMBER
1090-08-71



PLAN

(2 SPAN 36W" PRESTRESSED GIRDER STRUCTURE)



ELEVATION

(LOOKING WEST

DESIGN DATA

LIVE LOAD

DESIGN LOAD: HI-93
INVENTORY RATING FACTOR : XX
OPERATIONAL RATING: HS XX
WISCONSIN STANDARD PERMIT VEHICLE LOAD
(WIS-SPV):.....XXX KIPS

MATERIAL PROPERTIES

CONCRETE MASONRY DECK REPAIR..... f'c = 4,000 psi

TRAFFIC DATA

SUNNYSLOPE ROAD

A.D.T. (2018) = 8,600
A.D.T. (2040) = 14,000
R.D.S. = 40 MPH

IH 43

A.D.T. (2019) = 59,800
A.D.T. (2040) = 84,200
R.D.S. = 75 MPH

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. TYPICAL SECTION AND GENERAL NOTES

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES CONTACT:
AARON BONK
(608) 261-0261

CONSULTANT CONTACT:
YAN NENAYDYKH
(414) 292-4599

NO.	DATE	REVISION	BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
10501 W. Research Drive • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-67-359

SUNNYSLOPE RD OVER IH 43

COUNTY	CITY
WAUKESHA	NEW BERLIN

DESIGN SPEC. REHABILITATION LRFD

DESIGNED BY	DESIGNED CK'D.	DRAWN	TOTAL	PLANS CK'D.
BDT	YAN			CSL

POLYMER OVERLAY

SHEET 1 OF 2

DRAFT

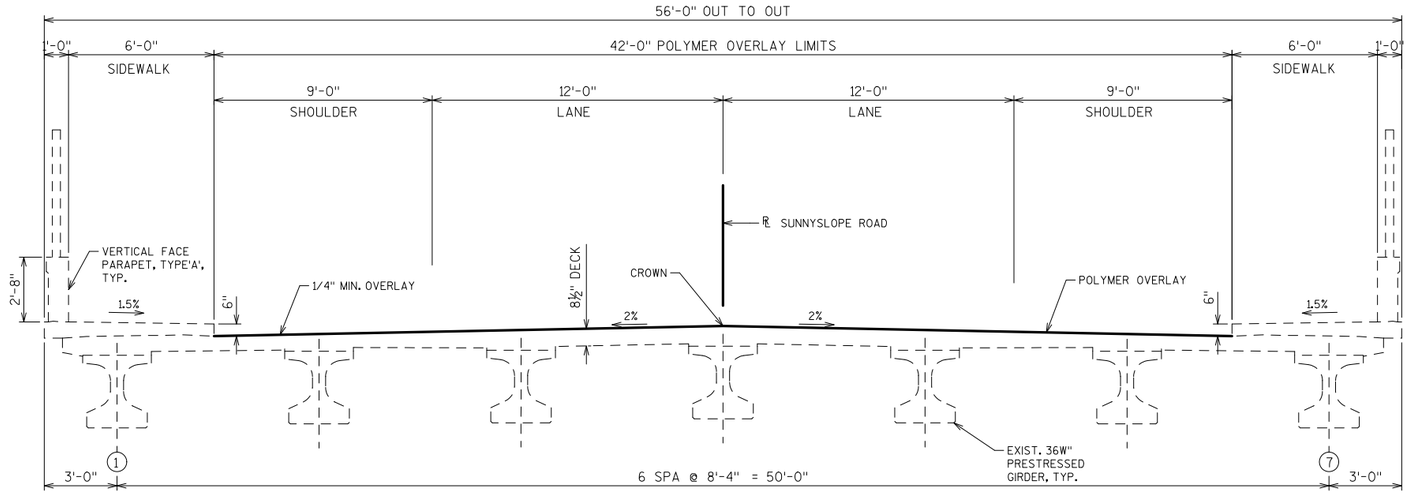
PRE_139

I.D. 1090-08-01 JUL 2020

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STATE PROJECT NUMBER
1090-08-71



TYPICAL SECTION THRU SUNNYSLOPE ROAD

(LOOKING NORTH)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

ALL DIMENSIONS ARE IN FEET AND INCHES.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

APPLY POLYMER OVERLAY OVER THE EXISTING DECK.

PLANS OF THE EXISTING BRIDGE ARE ON FILE AND ARE AVAILABLE FOR INSPECTION AT THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHEAST REGION.

DECK PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.5100.S	POLYMER OVERLAY	SY	

ALL ITEMS ARE CATEGORY XX

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-67-359

DRAWN BY: BDT | PLANS CK'D.: CSL

TYPICAL SECTION AND GENERAL NOTES

SHEET 2 OF 2

DRAFT

PRE_140

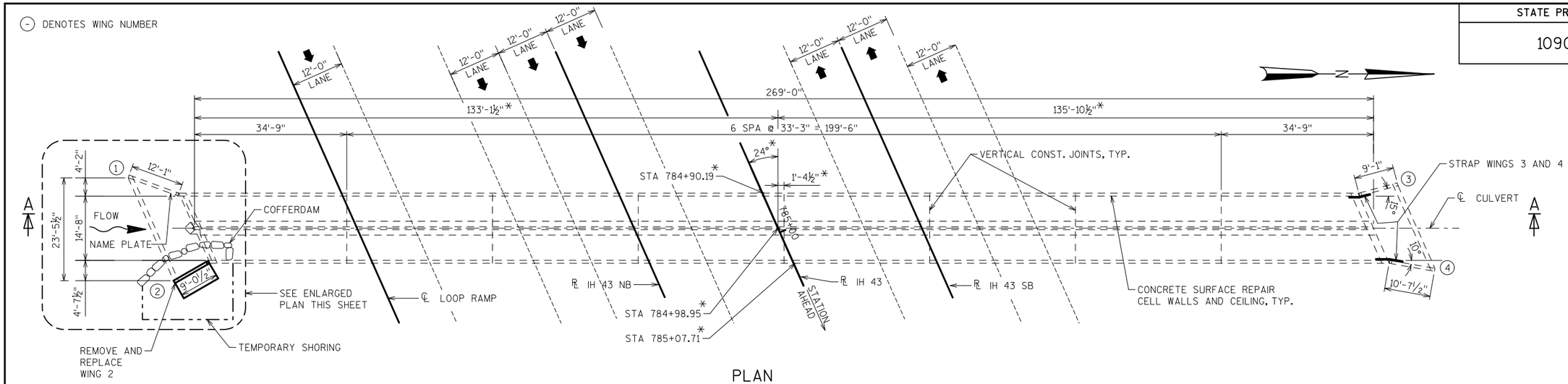
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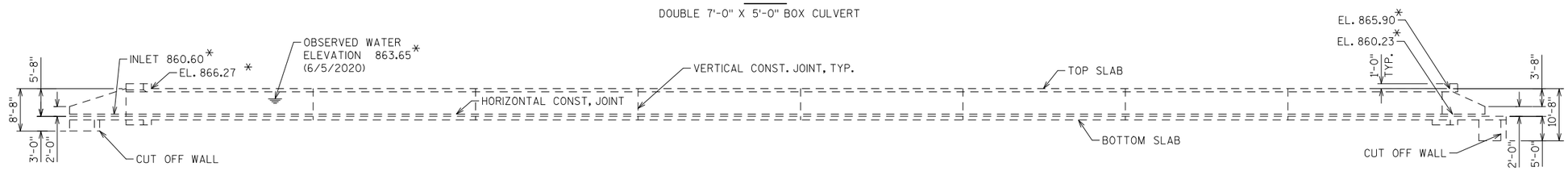
STATE PROJECT NUMBER
1090-08-71

Ⓝ DENOTES WING NUMBER

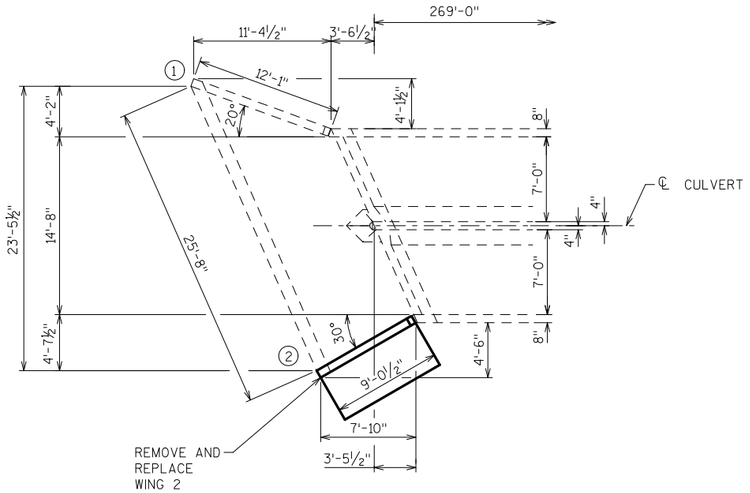


PLAN

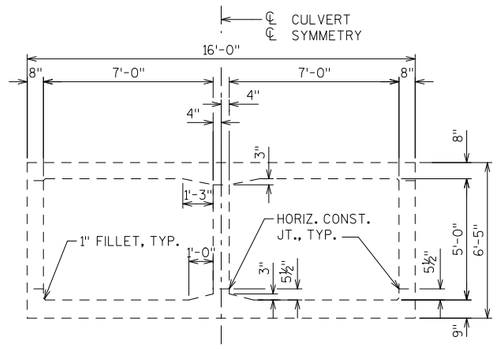
DOUBLE 7'-0" X 5'-0" BOX CULVERT



SECTION A-A



ENLARGED PLAN AT INLET



SECTION THRU BOX

(LOOKING NORTH)

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. ESTIMATE OF QUANTITIES

DESIGN DATA

LIVE LOAD

DESIGN LOAD: HS20 (TAKEN FROM EXIST. PLANS)
EARTH LOAD: 20 FT (TAKEN FROM EXISTING PLANS)

MATERIAL PROPERTIES

CONCRETE MASONRY..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT, GRADE 60 ..... fy = 60,000 psi

TRAFFIC DATA

IH 43

A.D.T. (2015) = 73,200
RDS = 75 MPH

LEGEND

* APPROXIMATE DIMENSIONS BASED ON FIELD SURVEY

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES CONTACT:
AARON BONK
(608) 261-0261

CONSULTANT CONTACT:
YAN NENAYDYKH
(414) 292-4599

NO.	DATE	REVISION	BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
10501 W. Research Drive • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-67-13

IH 43 OVER UNKNOWN WATERWAY

COUNTY	CITY
WAUKESHA	NEW BERLIN

DESIGN SPEC. REHABILITATION LRFD

DESIGNED BY	DESIGN CHK'D.	DRAWN	PLANS CK'D.
BDT	CSL	TAL	CSL

GENERAL PLAN AND ELEVATION

SHEET 1 OF 2

PRE_141

DRAFT

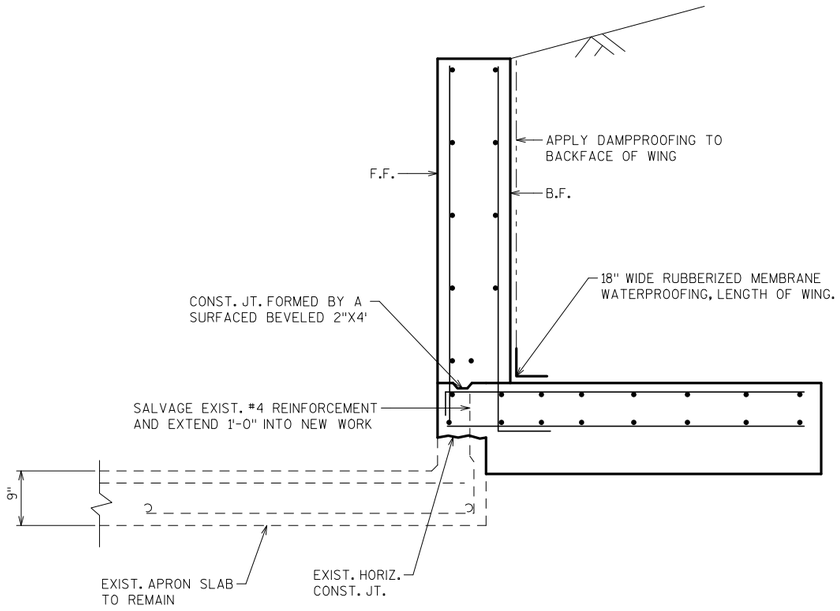
I.D. 1090-08-01 JUL 2020

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8

STATE PROJECT NUMBER
1090-08-71



SECTION THRU WING 2

(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 784+98.95	LS	
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-67-13	LS	
206.5000	COFFERDAMS C-67-13	LS	
210.2500	BACKFILL STRUCTURE TYPE B	TON	
504.0100	CONCRETE MASONRY CULVERTS	CY	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
509.1500	CONCRETE SURFACE REPAIR	SF	
511.1200	TEMPORARY SHORING C-67-13	SF	
516.0100	DAMPPROOFING	SY	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
SPV.0060.XX	STRAPPING C-67-13	EACH	
	NON BID ITEMS		
	NAME PLATE	EACH	1
	FILLER	SIZE	½"

ALL ITEMS ARE CATEGORY XX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

ALL DIMENSIONS ARE IN FEET AND INCHES.

ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2012) DATUM.

ALL NEW BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4 INCH UNLESS OTHERWISE NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK. EXISTING BARS SHALL BE CLEANED AND STRAIGHTENED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS, UNLESS SHOWN OTHERWISE.

ALL CONCRETE REMOVAL LIMITS SHALL BE DEFINED BY A 1 INCH DEEP SAWCUT.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. THE NEW NAME PLATE SHALL SHOW THE ORIGINAL CONSTRUCTION YEAR. ORIGINAL CONSTRUCTION YEAR IS 2005.

EXISTING WING 2 SHALL BE REMOVED AND REPLACED IN THIS CONTRACT. EXISTING WING 2 HAS TIPPED OVER AND IS BURIED IN THE SILT IN THE CHANNEL. EXISTING WINGS 3 AND 4 SHALL BE STRAPPED.

PLANS OF THE EXISTING BRIDGE ARE ON FILE AND ARE AVAILABLE FOR INSPECTION AT THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHEAST REGION.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

WITHIN THE LENGTH OF THE BOX ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE ELEVATION AND SECTION EXISTED PRIOR TO EXCAVATION.

CONCRETE SURFACE REPAIR AND EPOXY INJECTION CRACK REPAIR REQUIRED IN AREAS DESIGNATED BY THE FIELD ENGINEER. QUANTITIES SHOWN ARE APPROXIMATE AND UNDISTRIBUTED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-67-13

DRAWN BY	BDT	PLANS CK'D.	CSL

ESTIMATE OF QUANTITIES

SHEET 2 OF 2

DRAFT

PRE_142

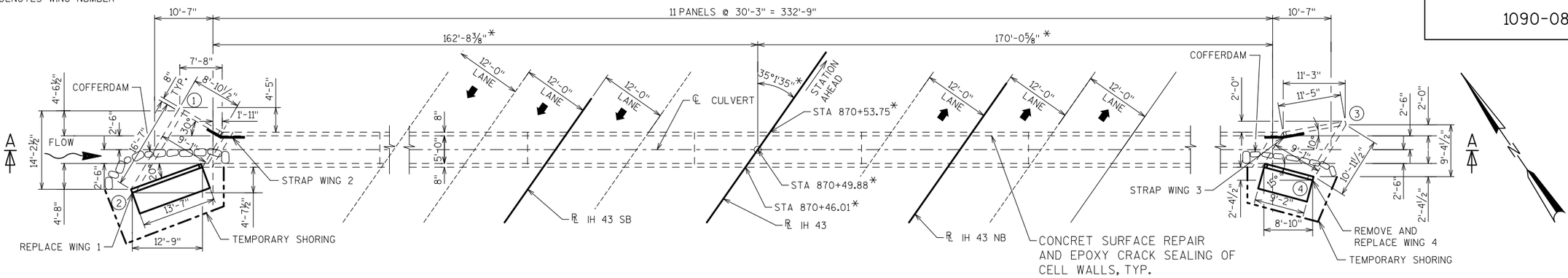
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8

8

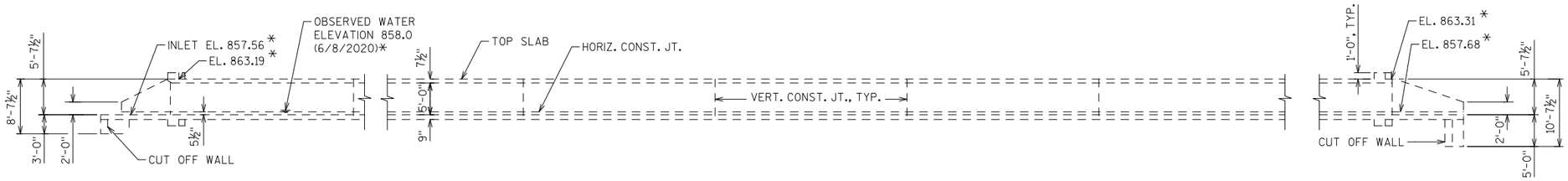
STATE PROJECT NUMBER
1090-08-71

(-) DENOTES WING NUMBER

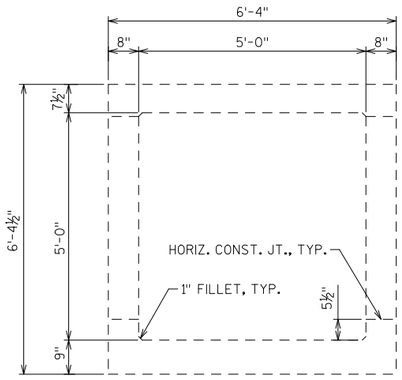


PLAN

SINGLE CELL 5'X5' BOX CULVERT



SECTION A-A



SECTION THRU BOX

(LOOKING EAST)

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. ESTIMATE OF QUANTITIES

DESIGN DATA

LIVE LOAD

DESIGN LOAD: HS20 (TAKEN FROM EXIST. PLANS)
EARTH LOAD: 28 FT (TAKEN FROM EXISTING PLANS)

MATERIAL PROPERTIES

CONCRETE MASONRY..... f'c = 3,500 psi
BAR STEEL REINFORCEMENT, GRADE 60 ..... fy = 60,000 psi

TRAFFIC DATA

IH 43

A.D.T. (2015) = 73,200
RDS = 75 MPH

LEGEND

* APPROXIMATE DIMENSIONS BASED ON FIELD SURVEY

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES CONTACT:
AARON BONK
(608) 261-0261

CONSULTANT CONTACT:
YAN NENAYDYKH
(414) 292-4599

NO.	DATE	REVISION	BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity
10501 W. Research Drive • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-67-21

IH 43 OVER DRAINAGE W[illegible]

COUNTY	CITY
WAUKESHA	NEW BERLIN

DESIGN SPEC. REHABILITATION MANUAL

DESIGNED BY	DESIGN CK'D.	DRAWN	PLANS CK'D.
BDT	YAN	TAL	CSL

GENERAL PLAN AND ELEVATION

SHEET 1 OF 2

PRE_143

DRAFT

I.D. 1090-08-01 JUL 2020

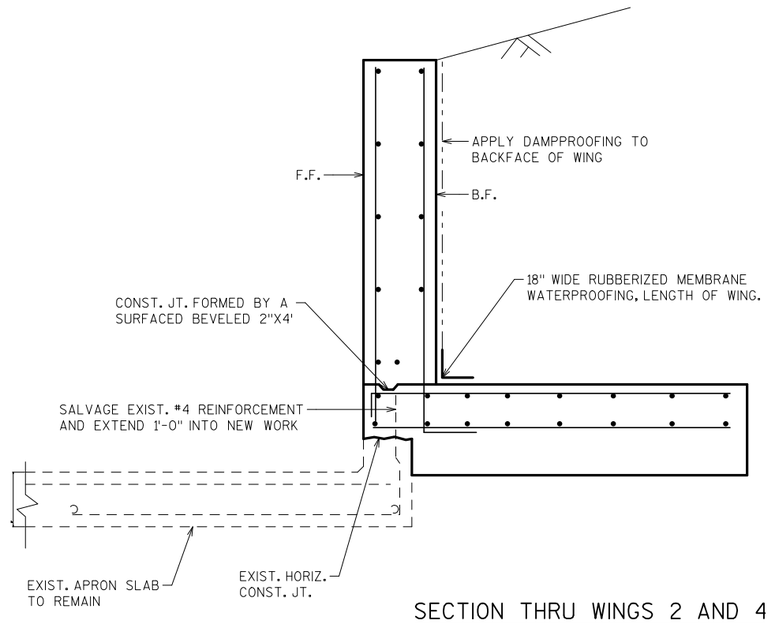
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8

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STATE PROJECT NUMBER
1090-08-71



SECTION THRU WINGS 2 AND 4

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEMS	UNIT	TOTAL
203.0200	REMOVING OLD STRUCTURE STATION 870+49.88	LS	
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-67-21	LS	
206.5000	COFFERDAMS C-67-21	LS	
210.2500	BACKFILL STRUCTURE TYPE B	TON	
504.0100	CONCRETE MASONRY CULVERTS	CY	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.9020.S	EPOXY CRACK SEALING	LF	
511.1200	TEMPORARY SHORING C-67-21	SF	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
516.0100	DAMPPROOFING	SY	
SPV.0060.XX	STRAPPING C-67-21	EACH	
	NON BID ITEMS		
	FILLER	SIZE	1/2"

ALL ITEMS ARE CATEGORY XX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

ALL DIMENSIONS ARE IN FEET AND INCHES.

ELEVATIONS ARE REFERENCED TO THE NAVD 88 (2012) DATUM.

ALL NEW BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4 INCH UNLESS OTHERWISE NOTED.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK. EXISTING BARS SHALL BE CLEANED AND STRAIGHTENED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS, UNLESS SHOWN OTHERWISE.

ALL CONCRETE REMOVAL LIMITS SHALL BE DEFINED BY A 1 INCH DEEP SAWCUT.

EXISTING WING 2 AND WING 4 SHALL BE REPLACED IN THIS CONTRACT. EXISTING WING 2 HAS FAILED AND HAS BEEN REMOVED. EXISTING WING 4 SHALL BE REMOVED. EXISTING WINGS 1 AND 3 SHALL BE STRAPPED.

PLANS OF THE EXISTING BRIDGE ARE ON FILE AND ARE AVAILABLE FOR INSPECTION AT THE WISCONSIN DEPARTMENT OF TRANSPORTATION, SOUTHEAST REGION.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

WITHIN THE LENGTH OF THE BOX ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE ELEVATION AND SECTION EXISTED PRIOR TO EXCAVATION.

CONCRETE SURFACE REPAIR AND EPOXY CRACK SEALING REQUIRED IN AREAS DESIGNATED BY THE FIELD ENGINEER. QUANTITIES SHOWN ARE APPROXIMATE AND UNDISTRIBUTED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-67-21

DRAWN BY: BDT | PLANS CK'D. CSL

ESTIMATE OF QUANTITIES

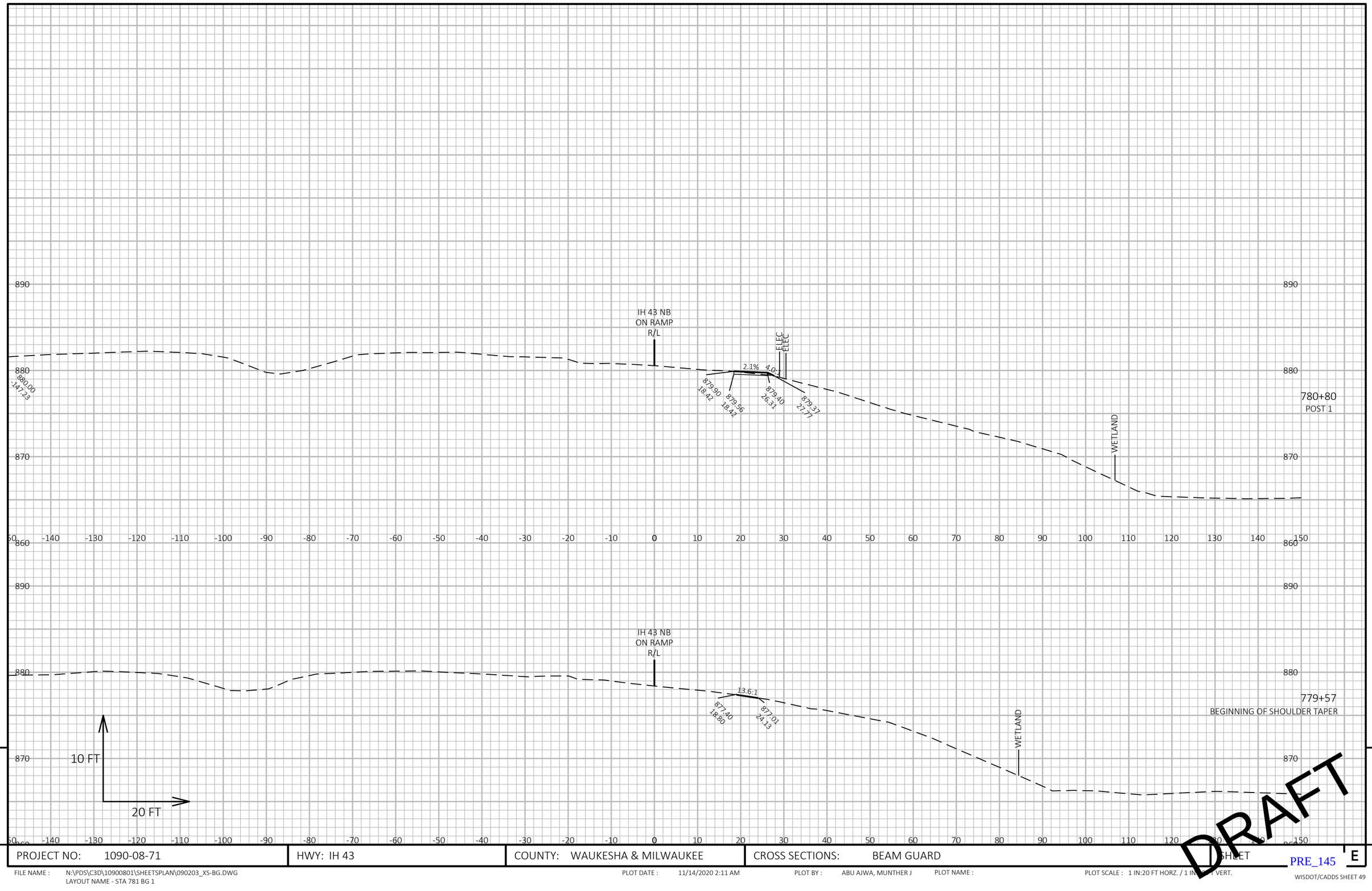
SHEET 2 OF 2

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PRE_144

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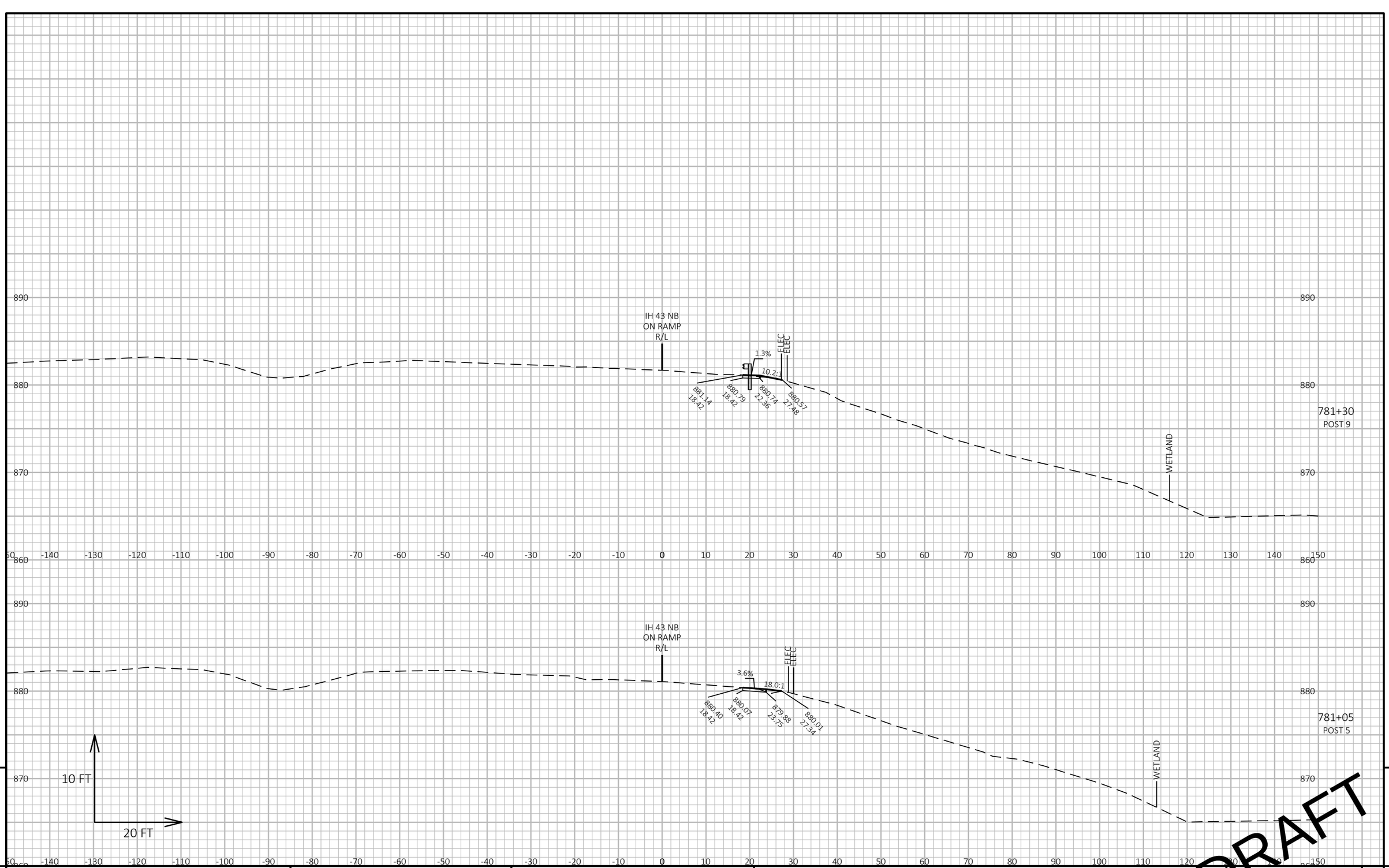
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET	E

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LAYOUT NAME - STA 781 BG 1

PLOT DATE : 11/14/2020 2:11 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_145

WISDOT/CADDS SHEET 49



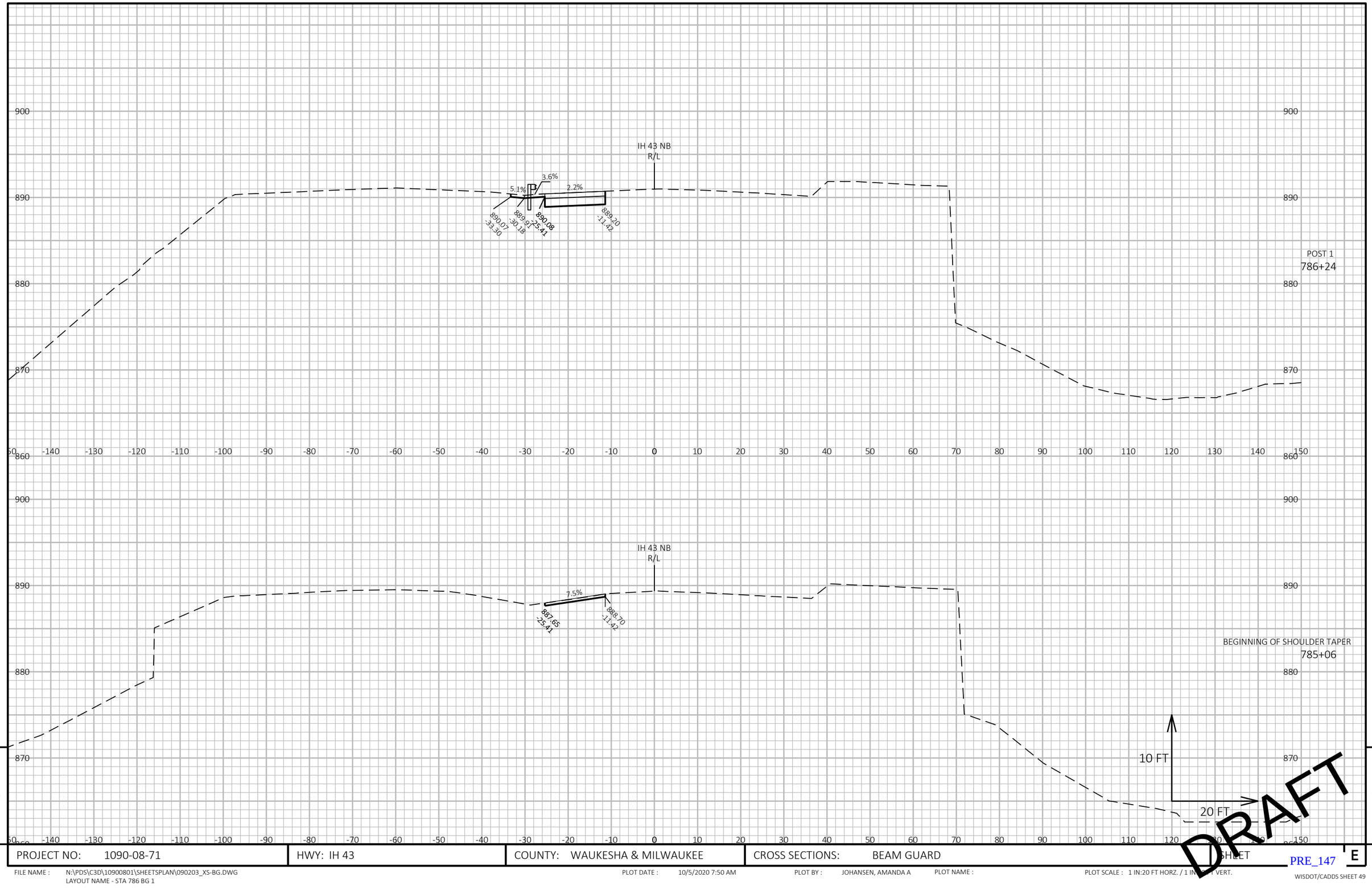
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FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 781 BG 2

PLOT DATE : 11/21/2020 9:01 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_146

WISDOT/CADDS SHEET 49



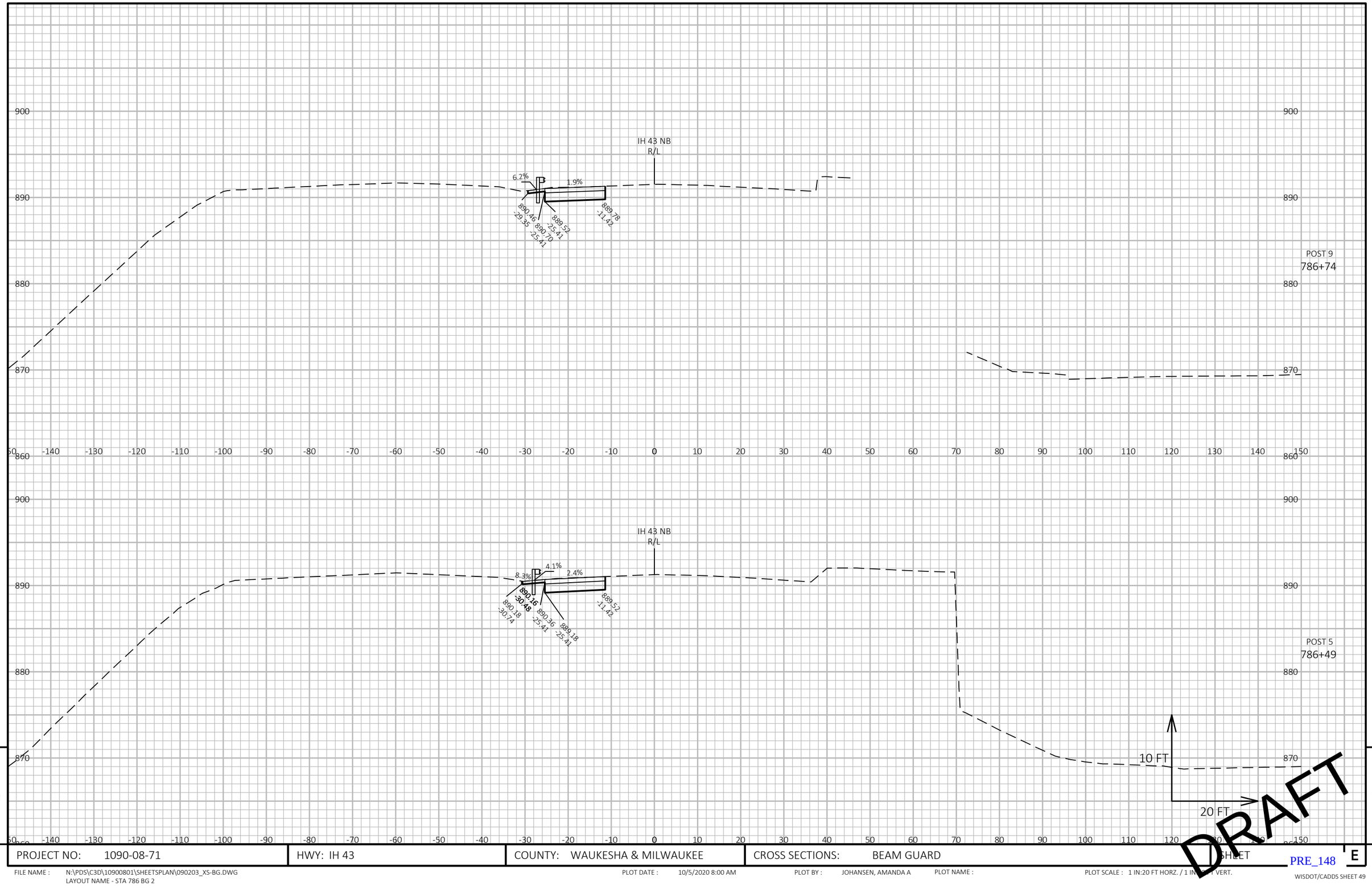
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PRE_147 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 786 BG 1

PLOT DATE : 10/5/2020 7:50 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



9 9

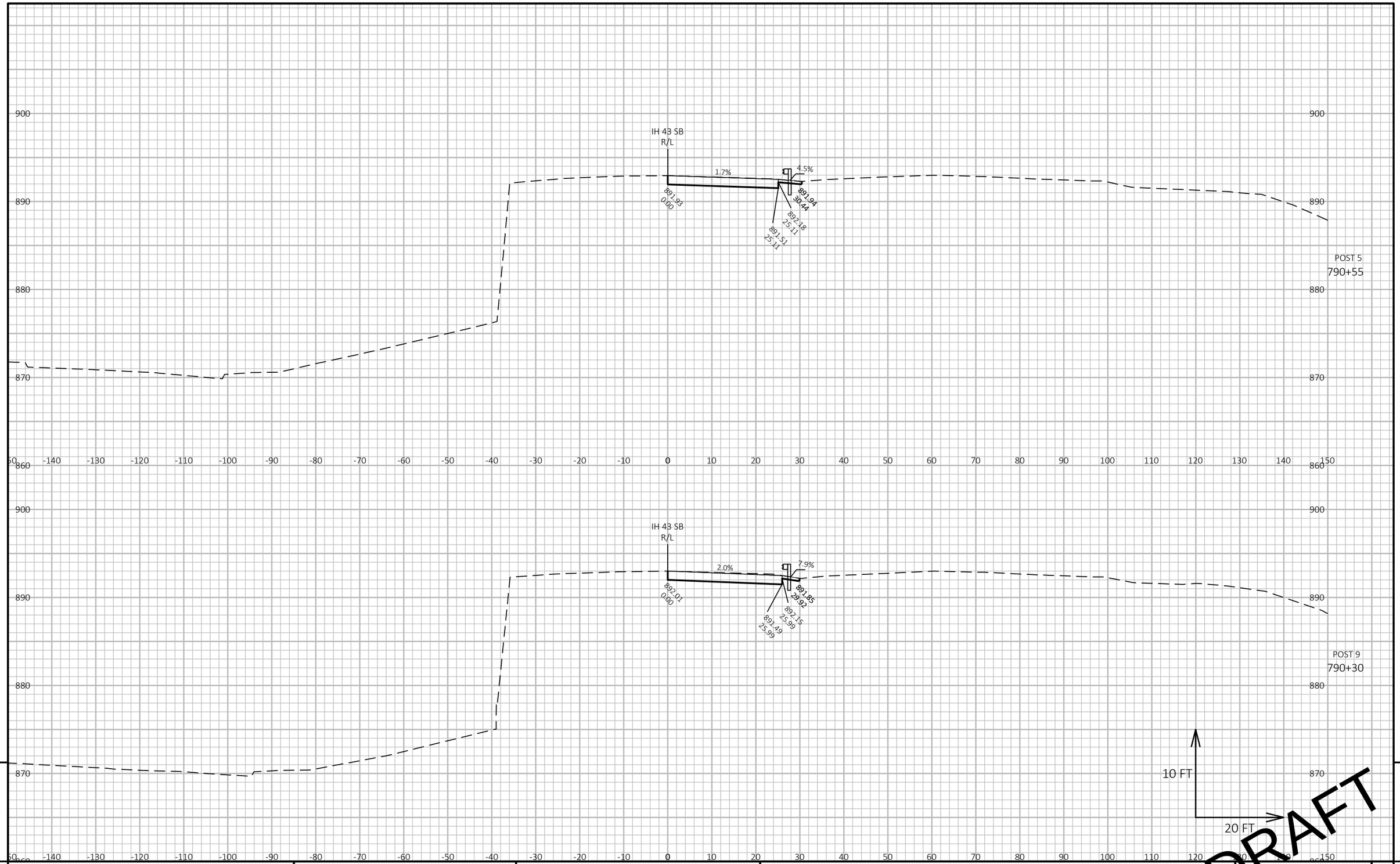
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PRE_148 E

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PLOT DATE : 10/5/2020 8:00 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: VERT.

WISDOT/CADDS SHEET 49



9

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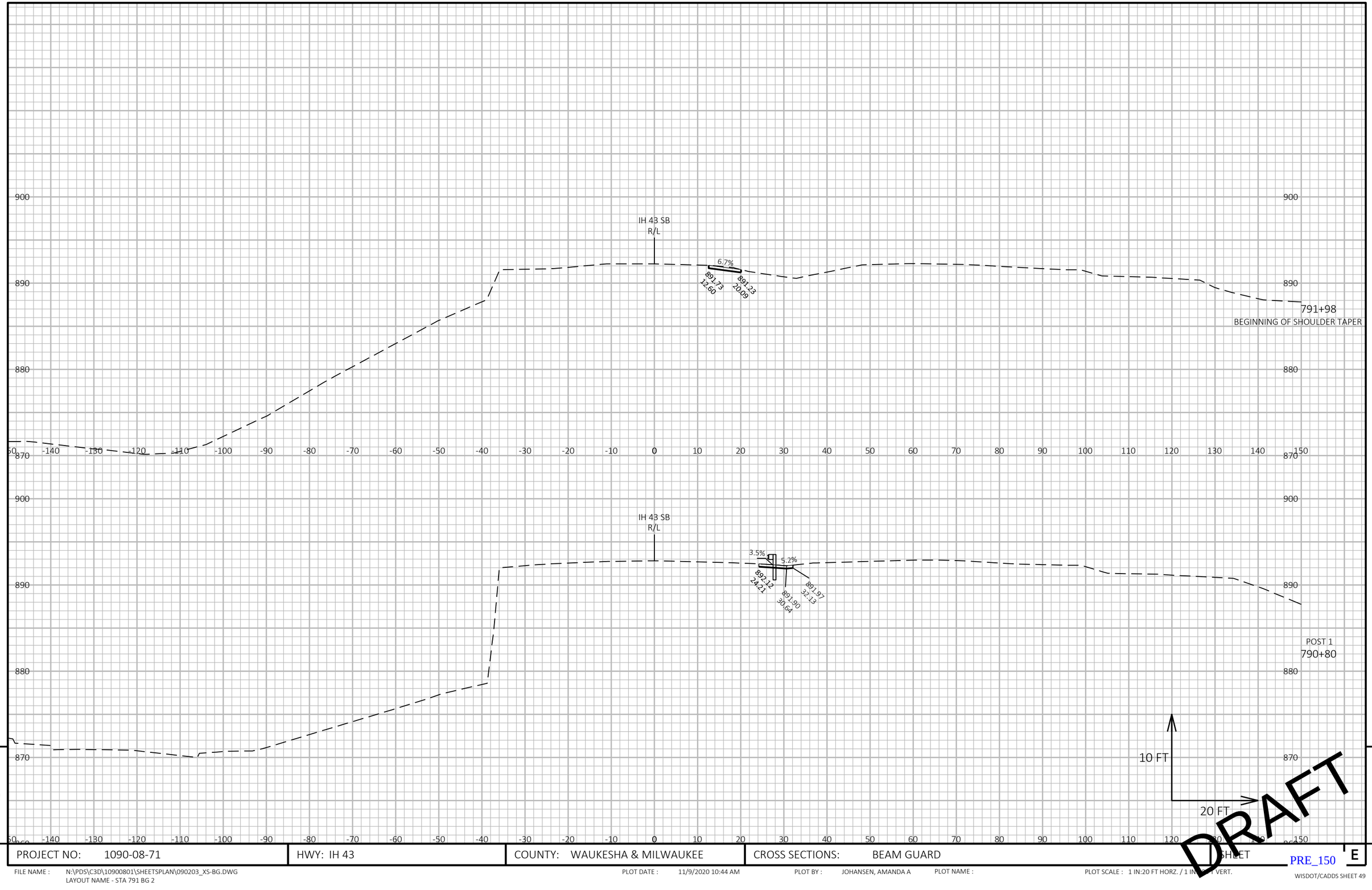
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PRE_149 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 791 BG 1

PLOT DATE : 11/9/2020 10:38 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: VERT.

WISDOT/CADDS SHEET 49

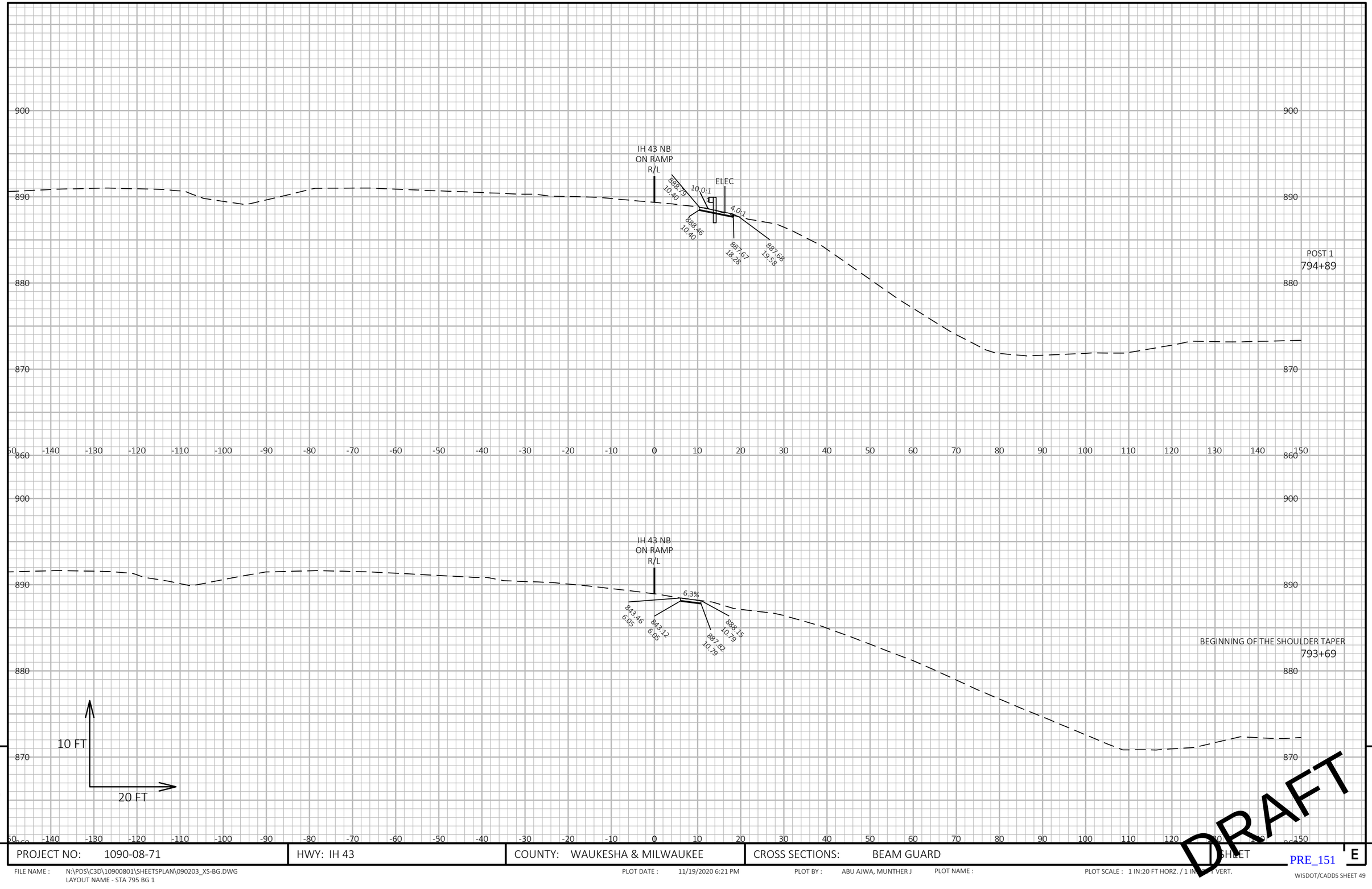


PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET	E

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PRE_150



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_151

E

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LAYOUT NAME - STA 795 BG 1

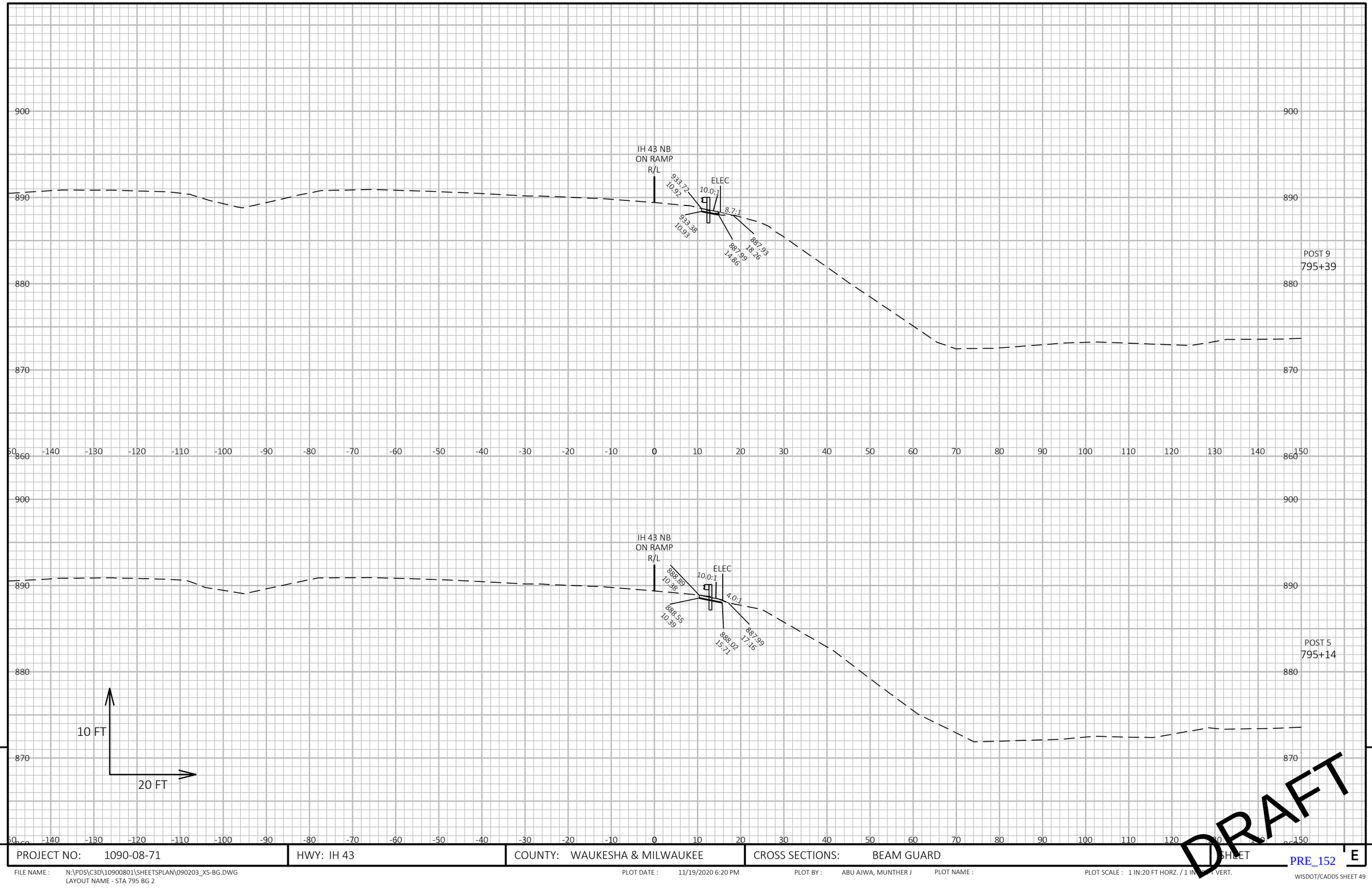
PLOT DATE : 11/19/2020 6:21 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



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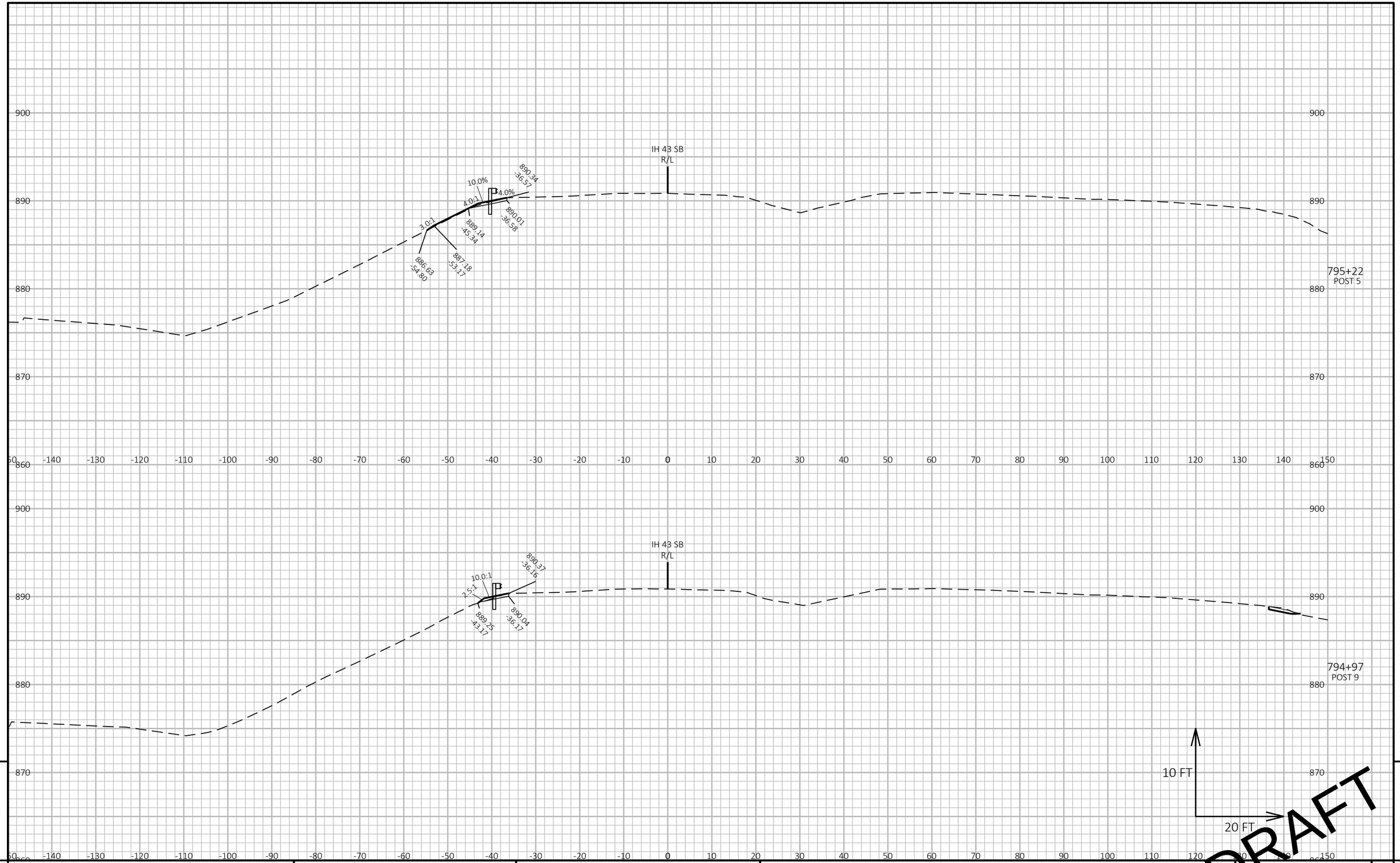
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PRE_152 E

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WISDOT/CADDS SHEET 49



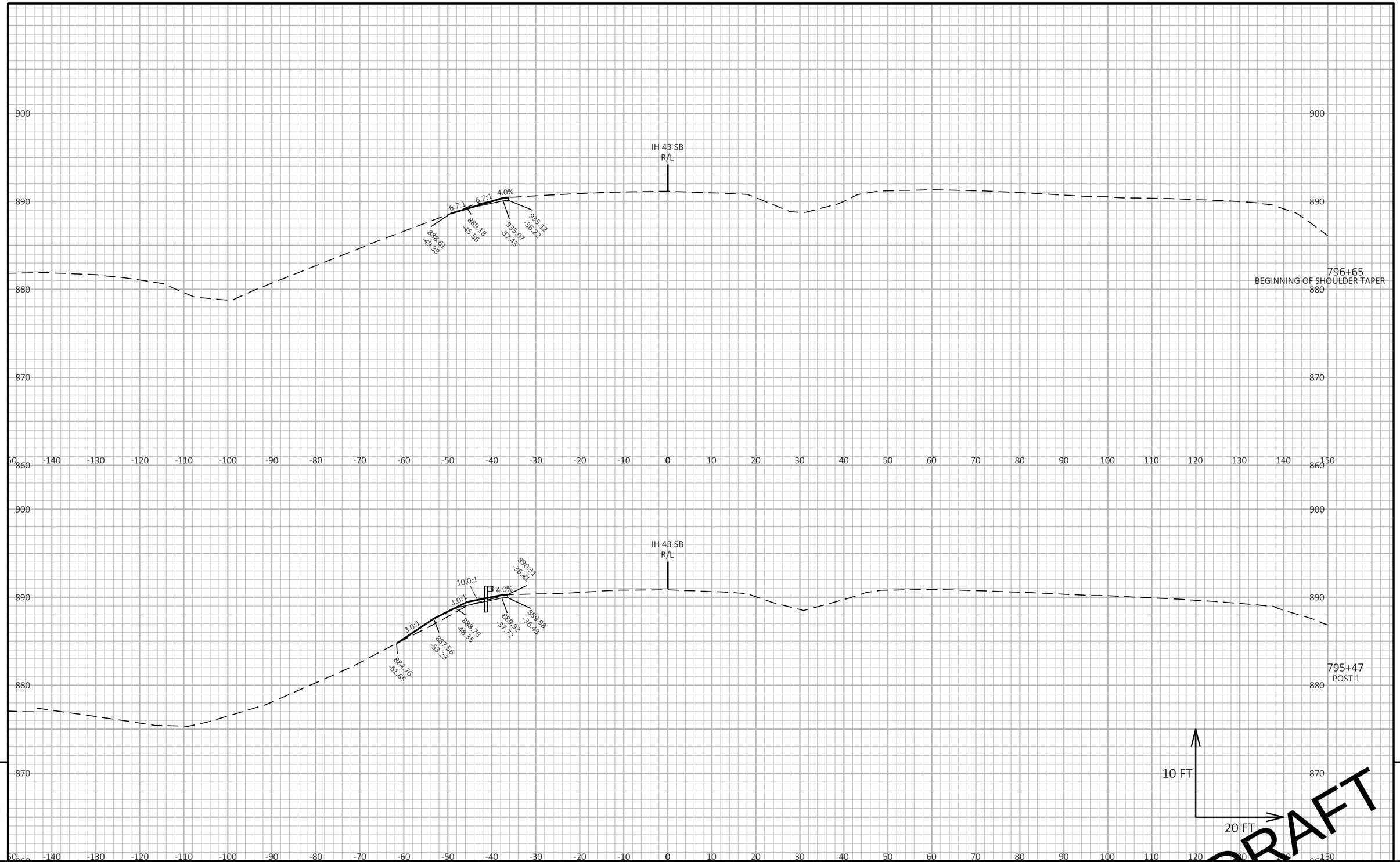
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PRE_153

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WISDOT/CADDS SHEET 49



9 9

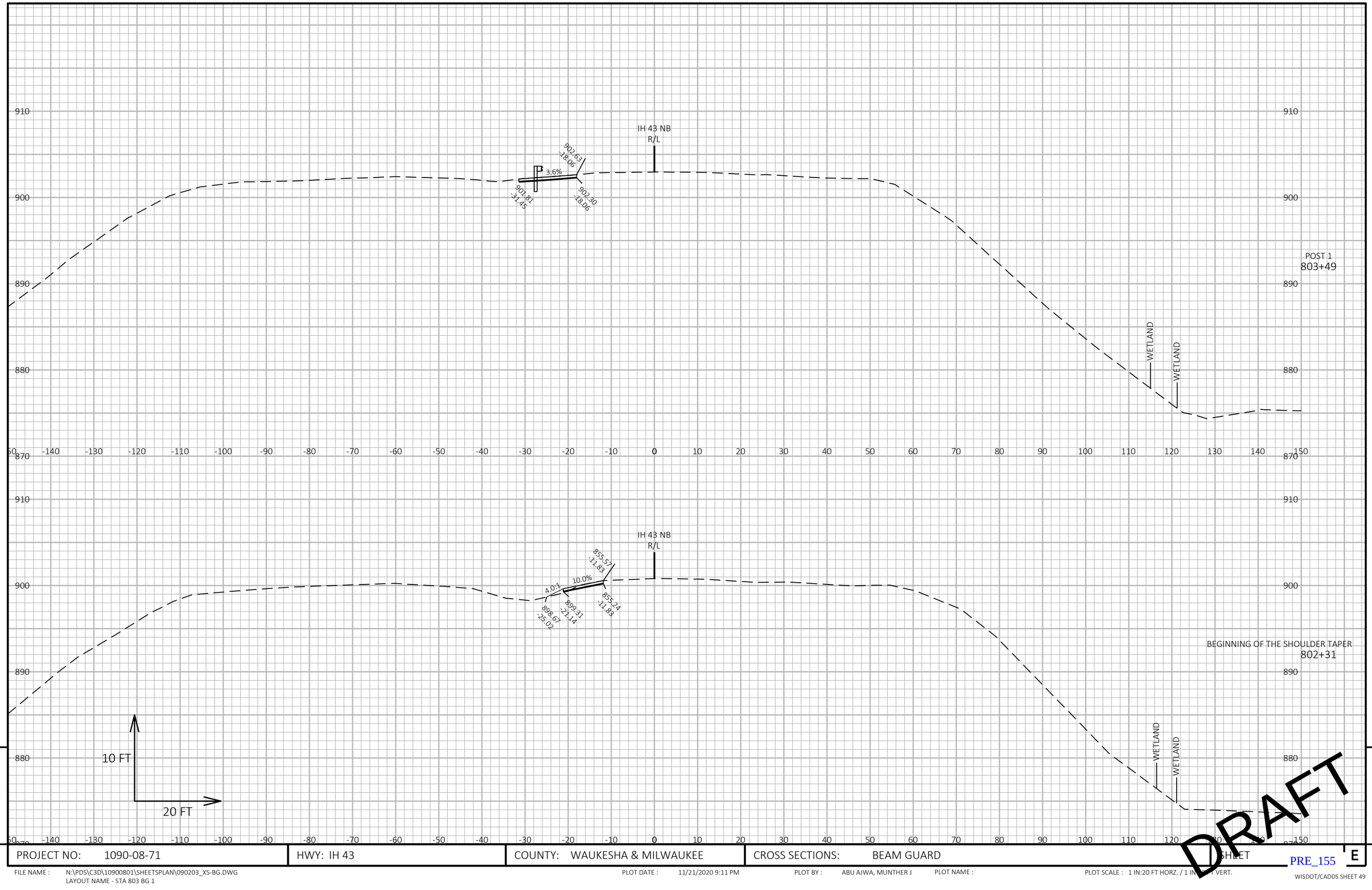
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PRE_154

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WISDOT/CADDS SHEET 49



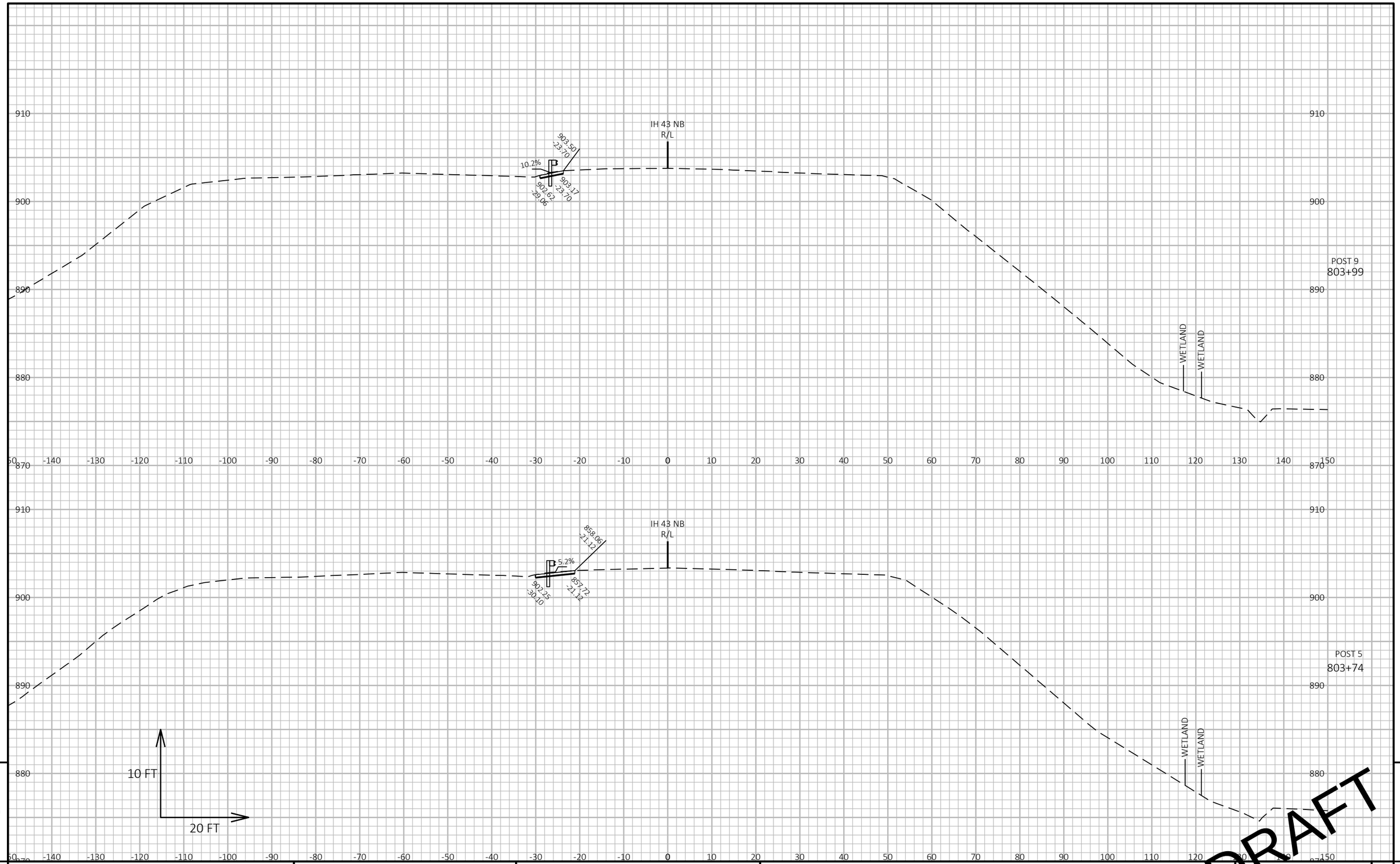
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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET PRE_155 E

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WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

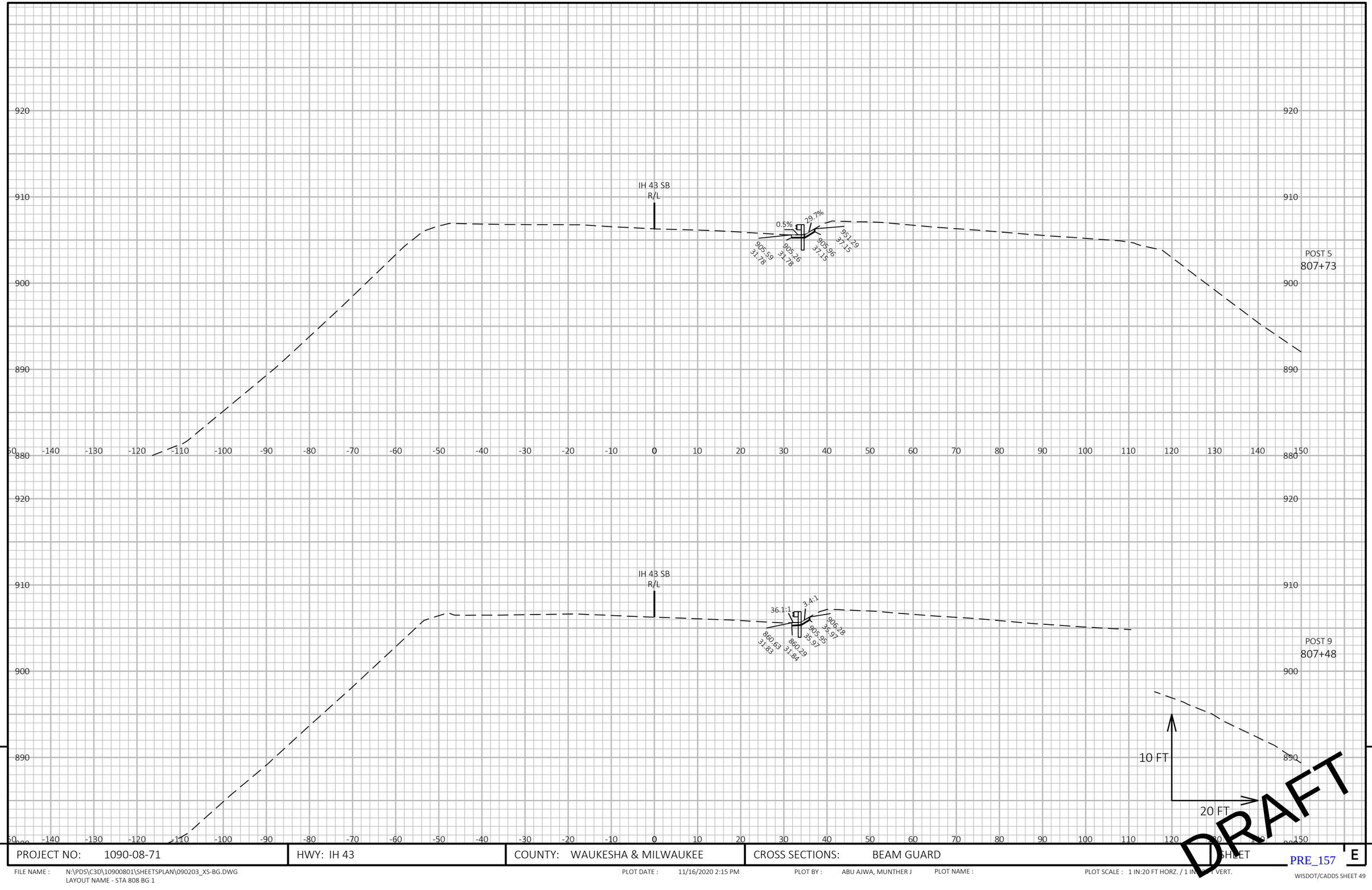
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WISDOT/CADDS SHEET 49



9 9

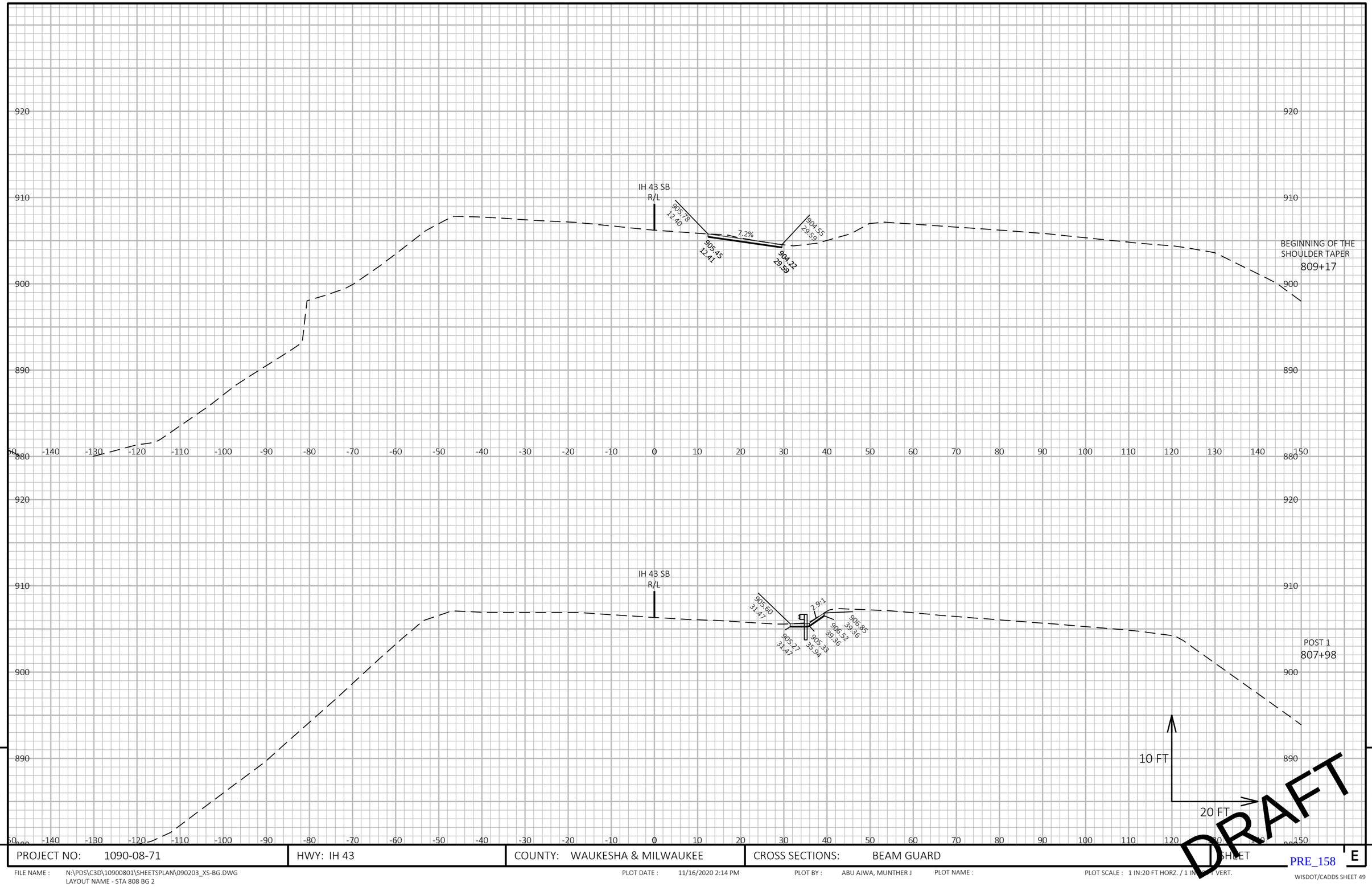
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LAYOUT NAME - STA 808 BG 1

PLOT DATE : 11/16/2020 2:15 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_157

WISDOT/CADDS SHEET 49



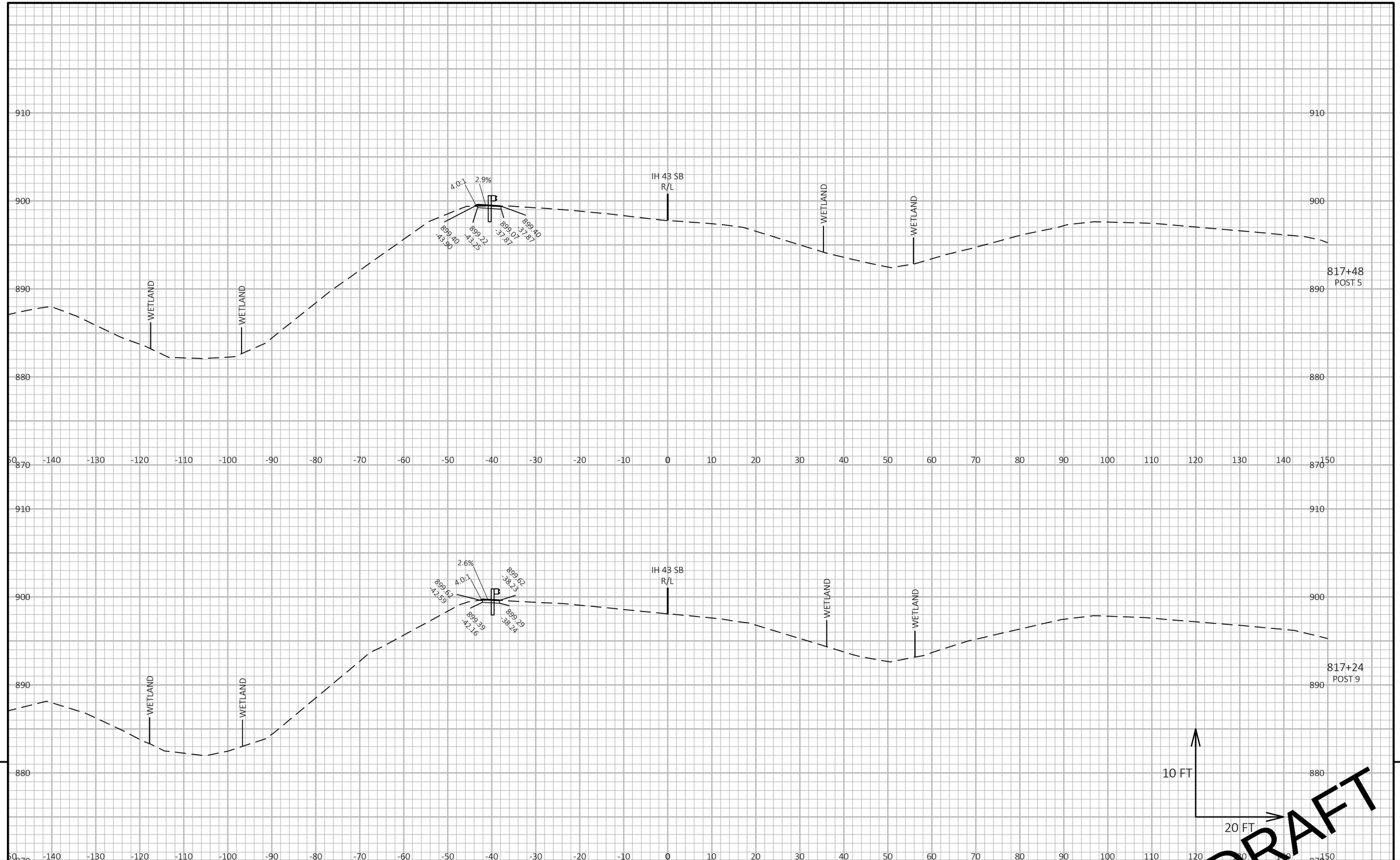
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 808 BG 2

PLOT DATE : 11/16/2020 2:14 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_158

WISDOT/CADDS SHEET 49



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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_159

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 818 BG1

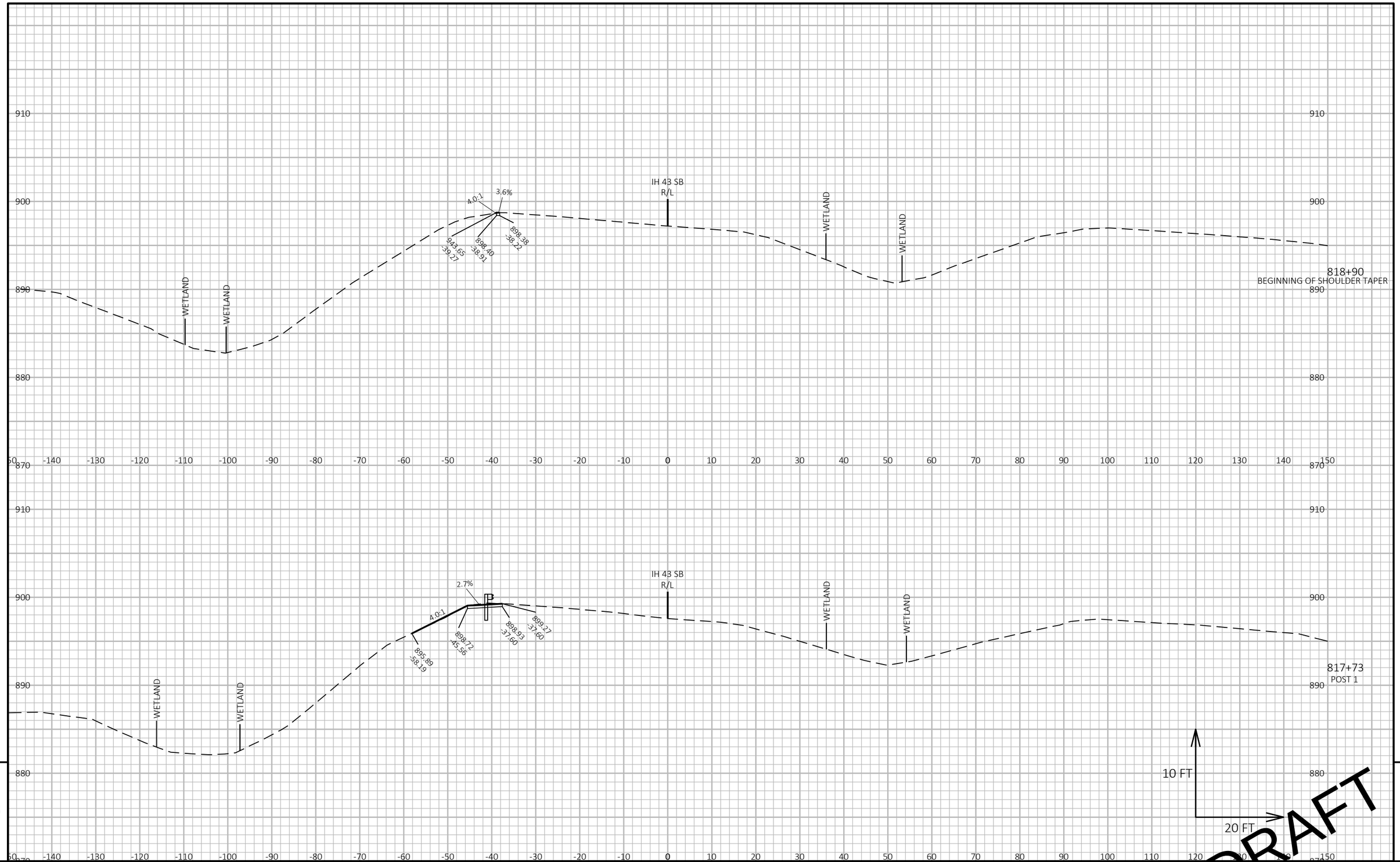
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PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

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WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_160

E

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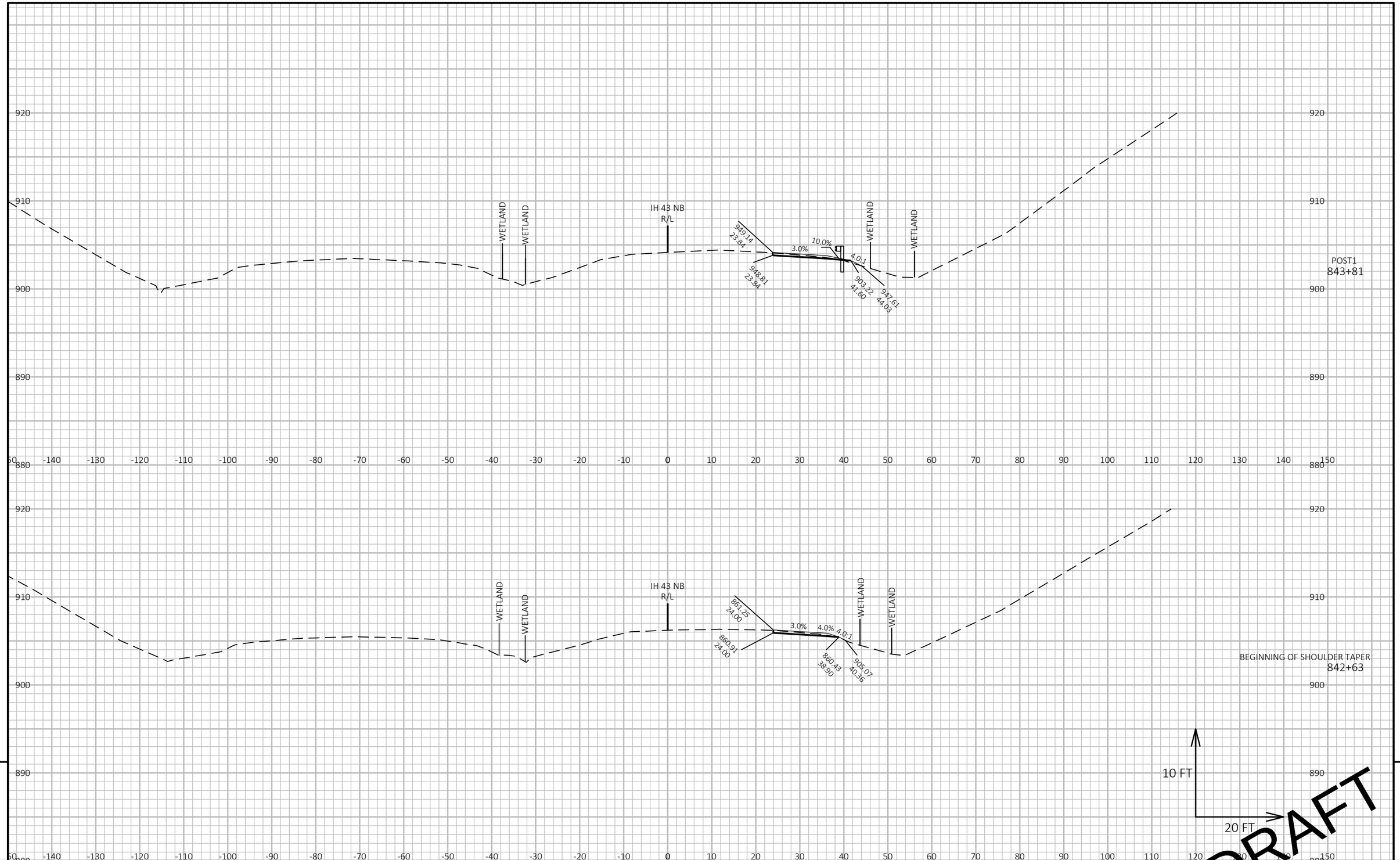
PLOT DATE : 11/21/2020 9:17 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GAURD	SHEET	E

PRE_161

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 844 BG 1

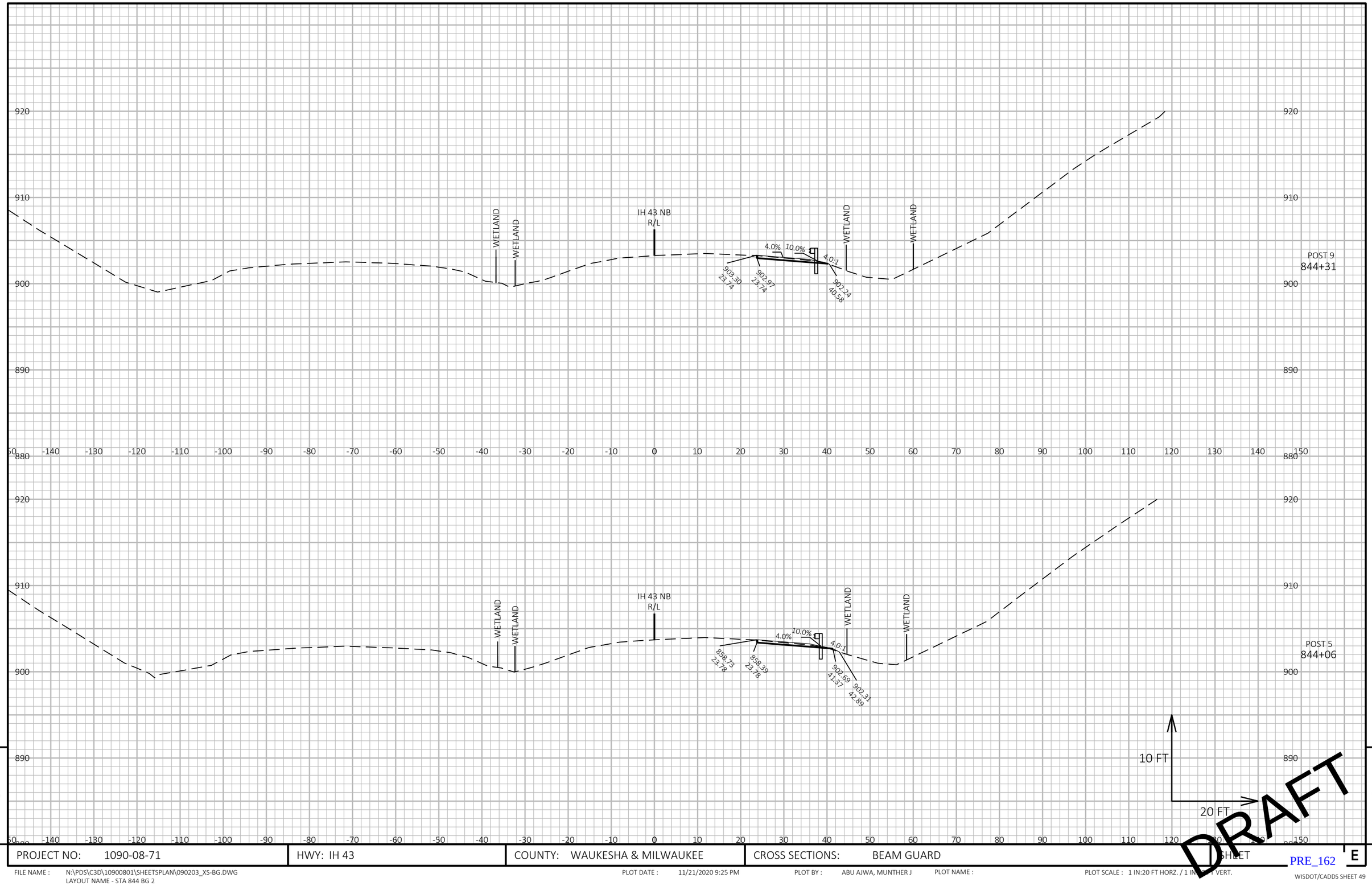
PLOT DATE : 11/21/2020 9:24 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9 9

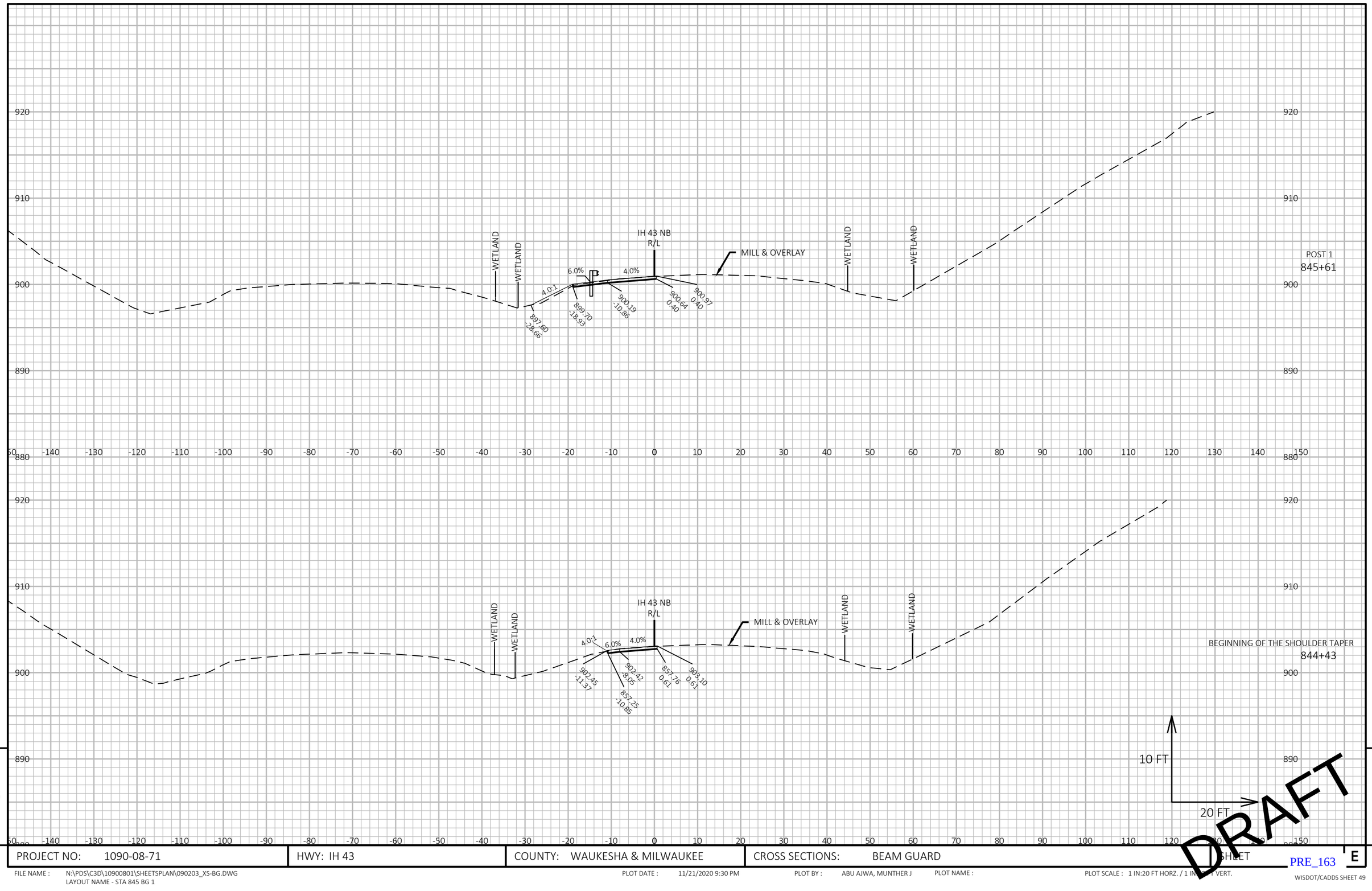
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_162

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 844 BG 2

PLOT DATE : 11/21/2020 9:25 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49

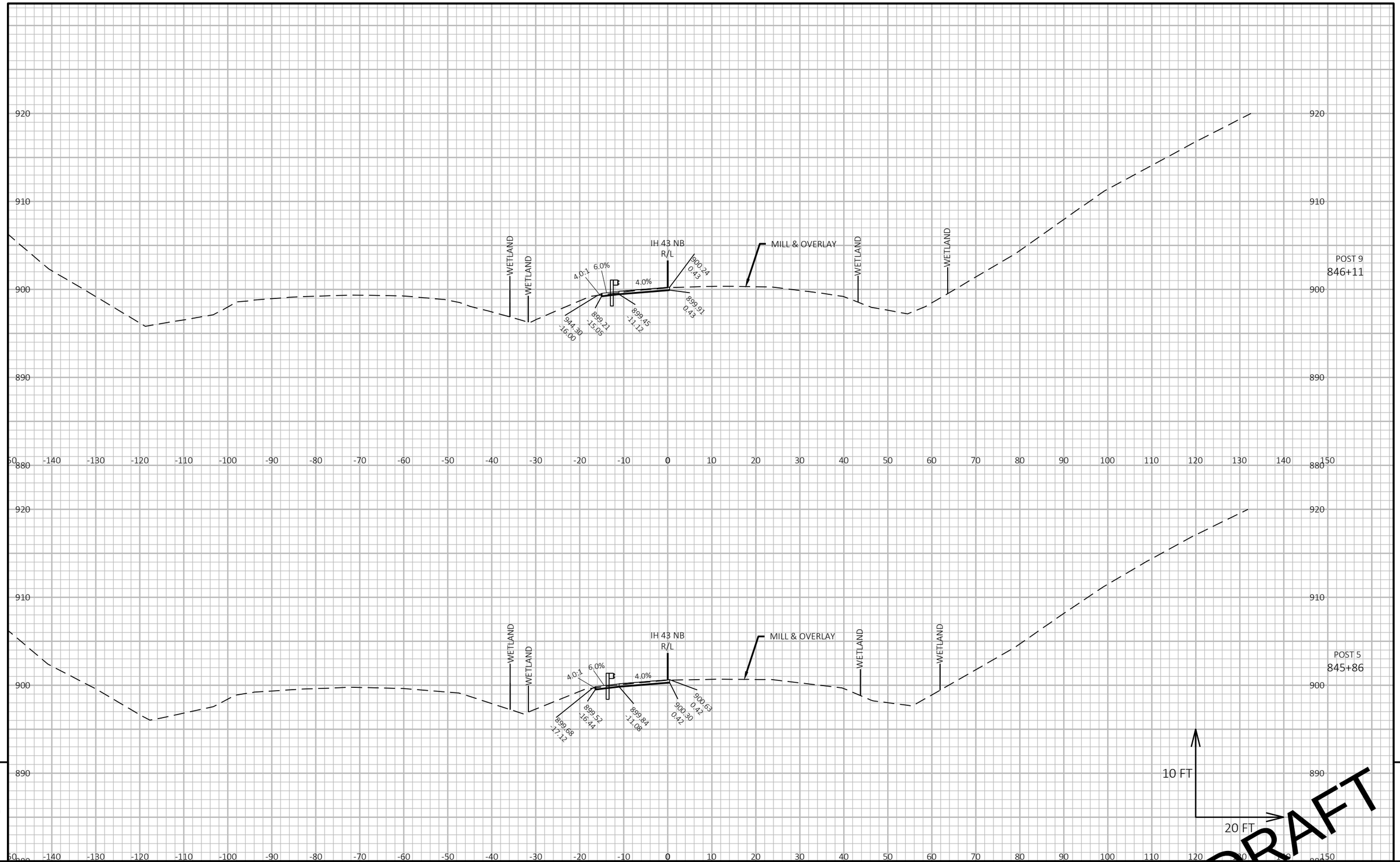


9 9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET PRE_163 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 845 BG 1

PLOT DATE : 11/21/2020 9:30 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: FT VERT.



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_164

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 845 BG 2

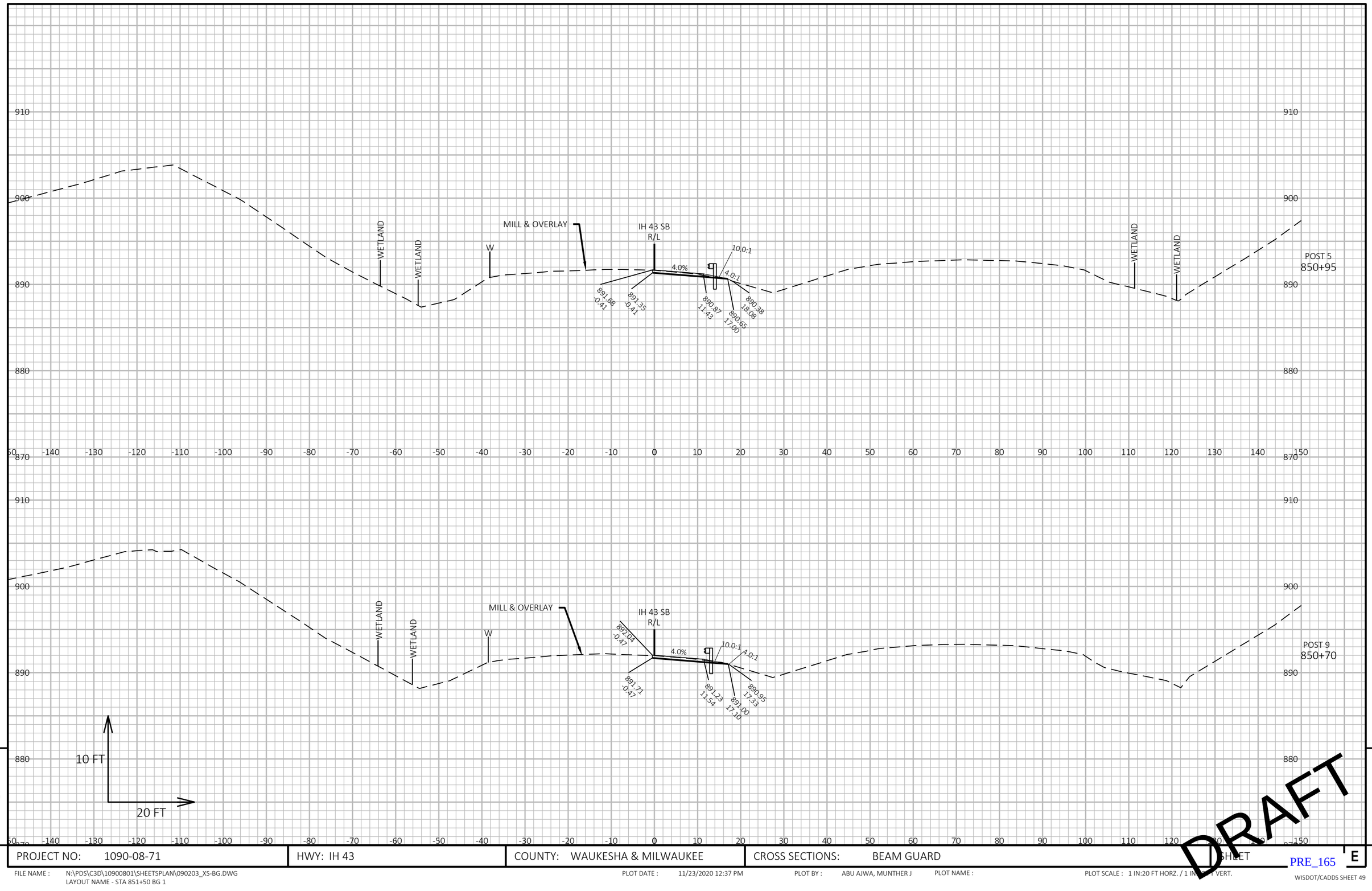
PLOT DATE : 11/21/2020 9:33 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



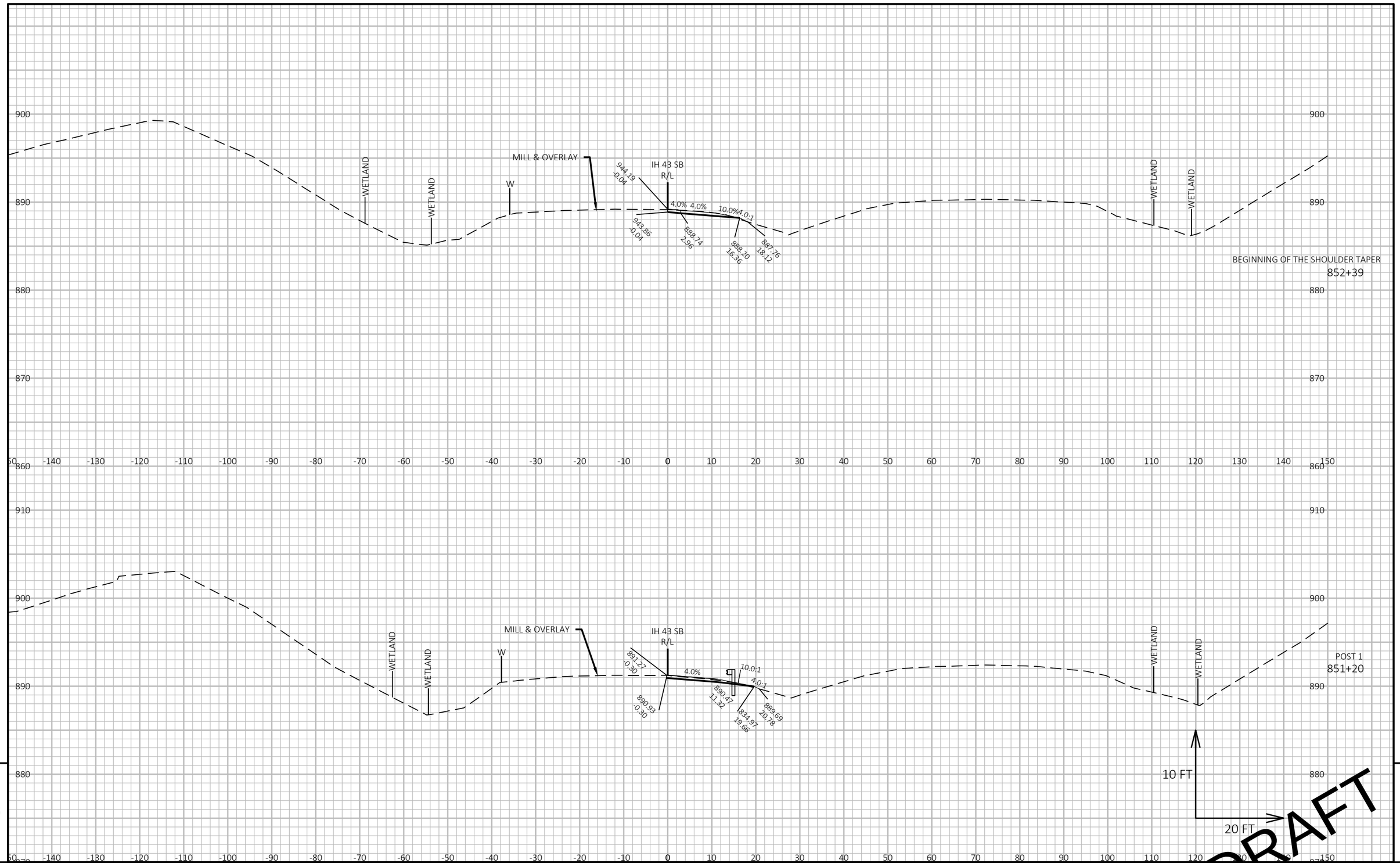
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_165 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 851+50 BG 1

PLOT DATE : 11/23/2020 12:37 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9 9

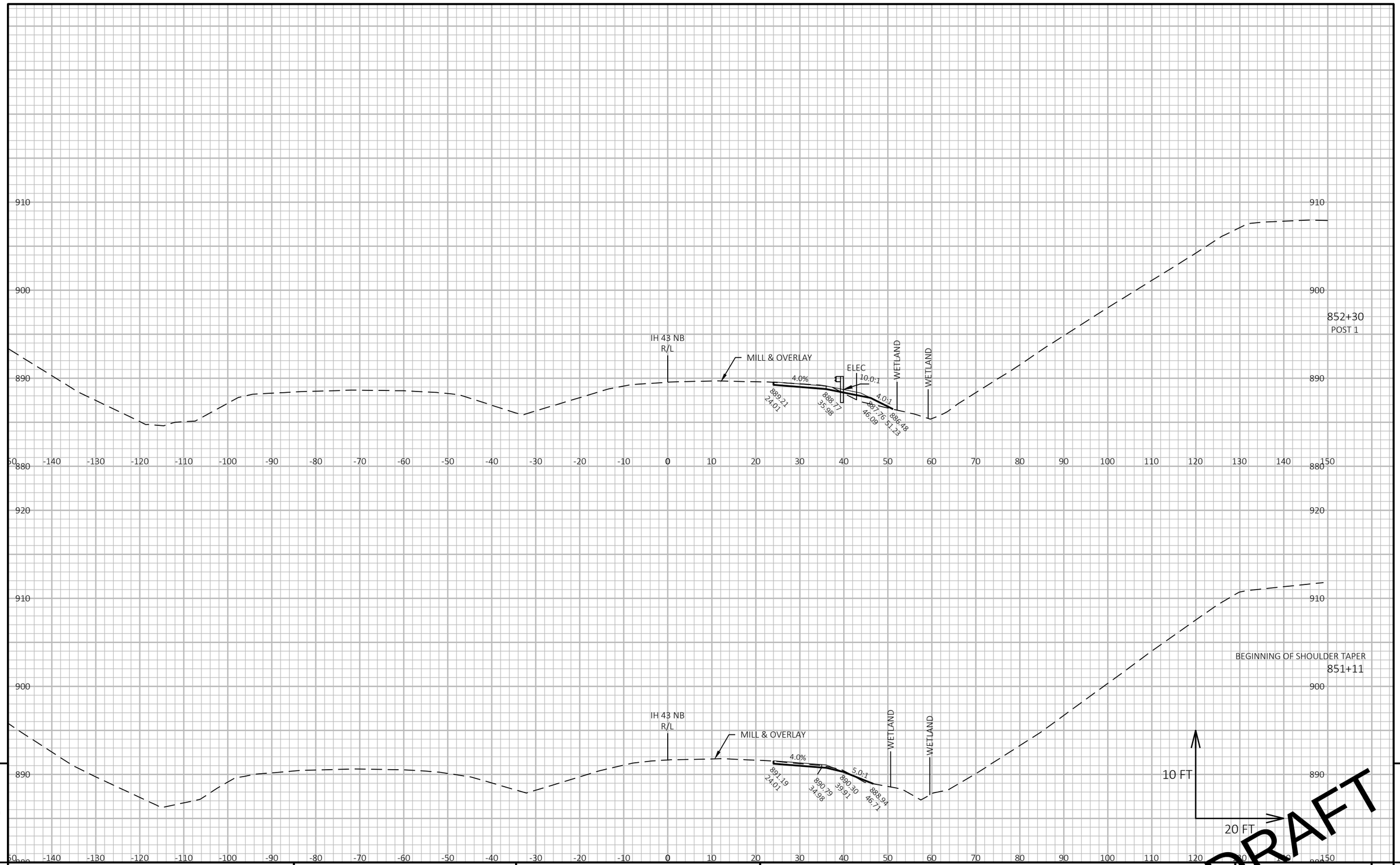
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_166 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 851+50 BG 2

PLOT DATE : 11/23/2020 12:38 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

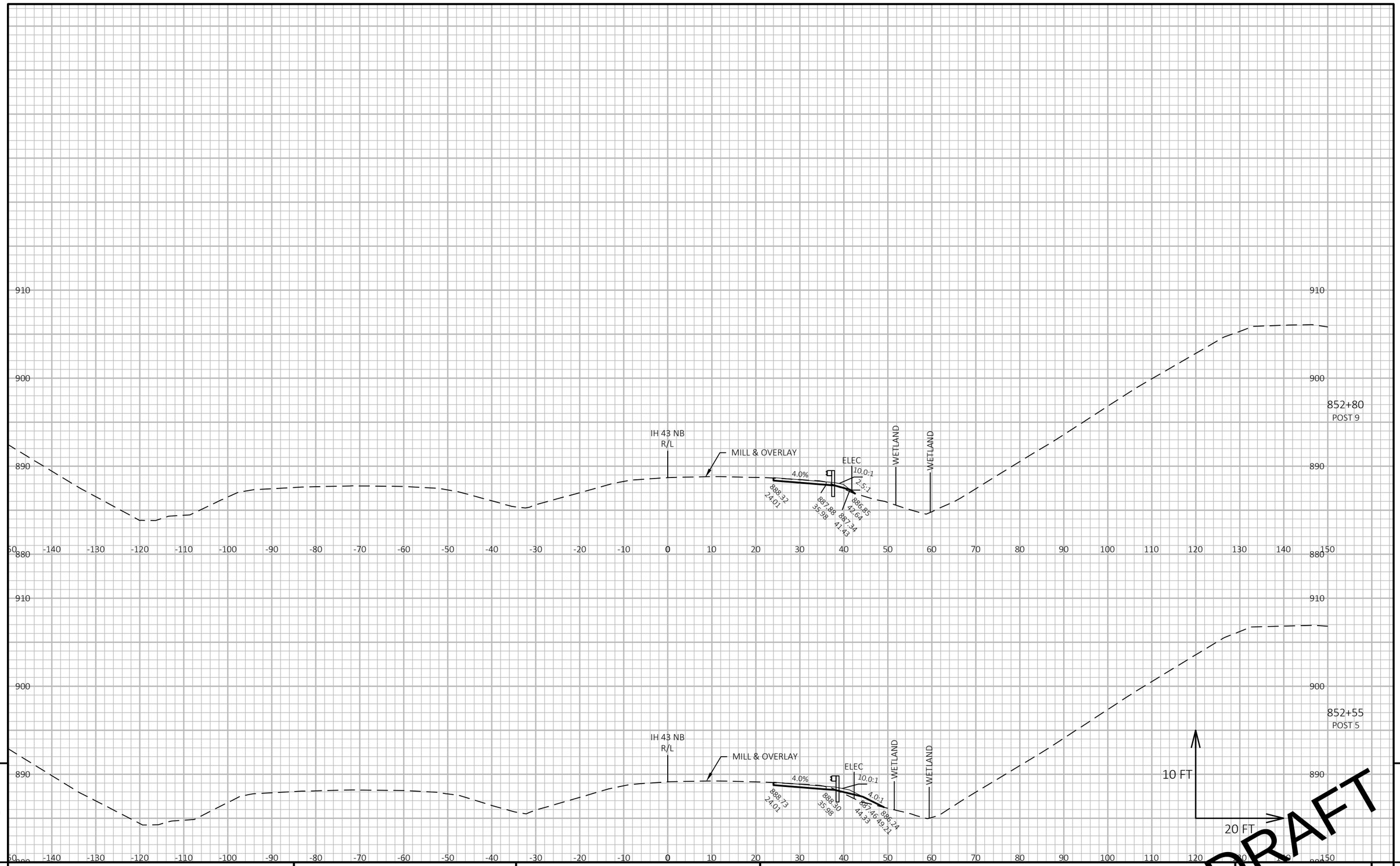
PRE_167 E

9

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 852 BG 1

PLOT DATE : 10/2/2020 10:25 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

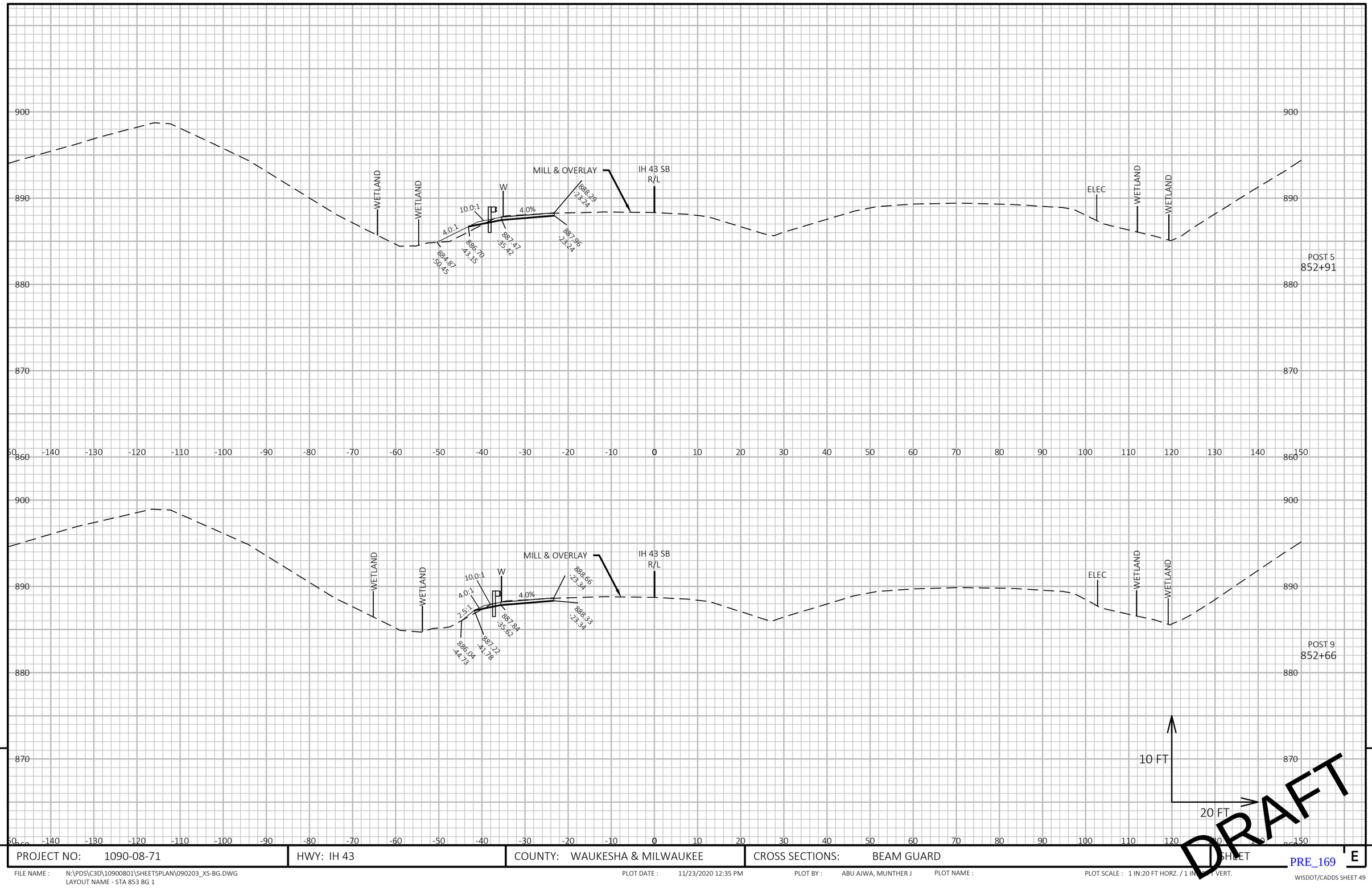
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_168

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 852 BG 2

PLOT DATE : 10/2/2020 10:30 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_169

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 853 BG 1

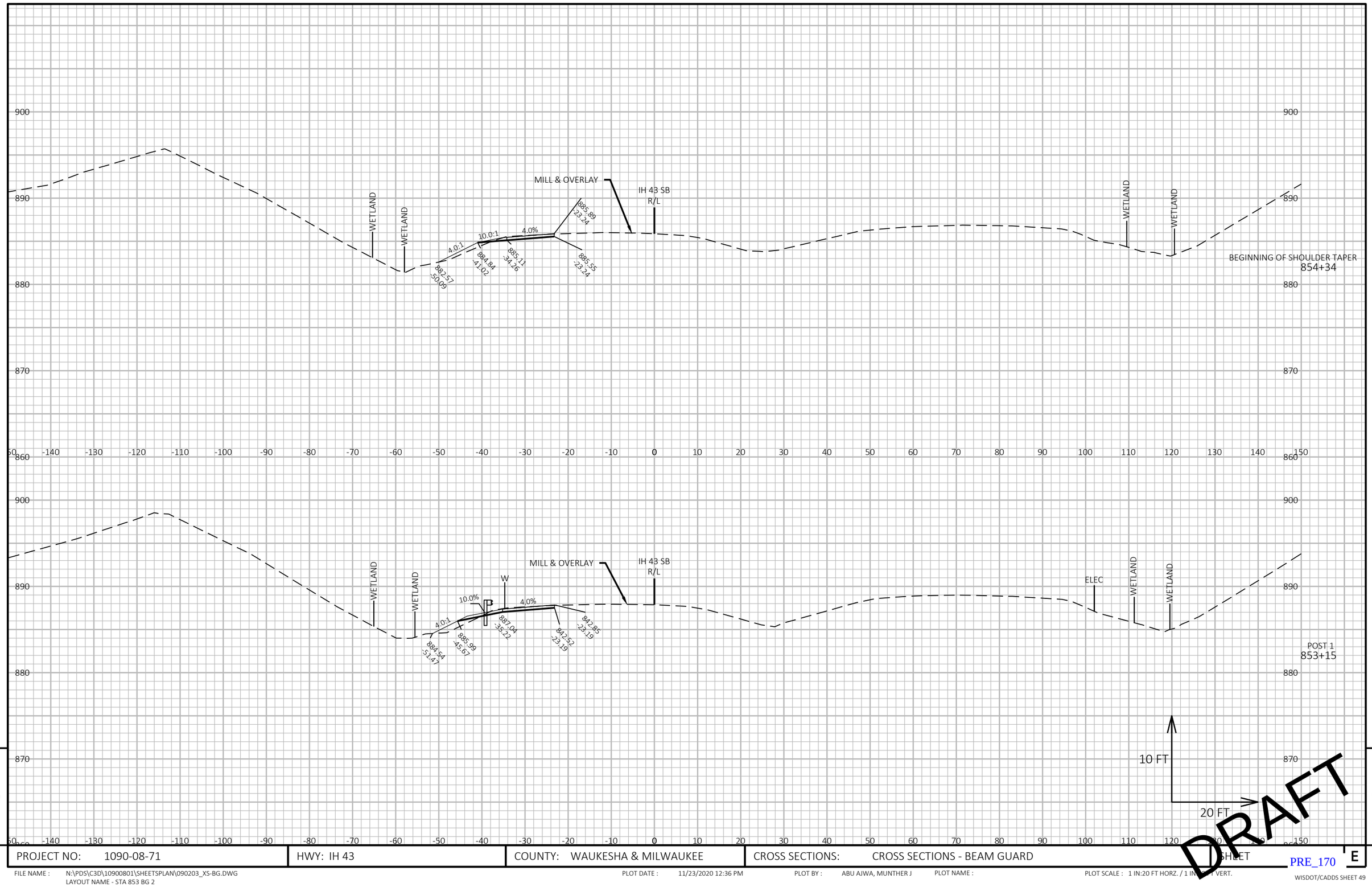
PLOT DATE : 11/23/2020 12:35 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CROSS SECTIONS - BEAM GUARD	SHEET

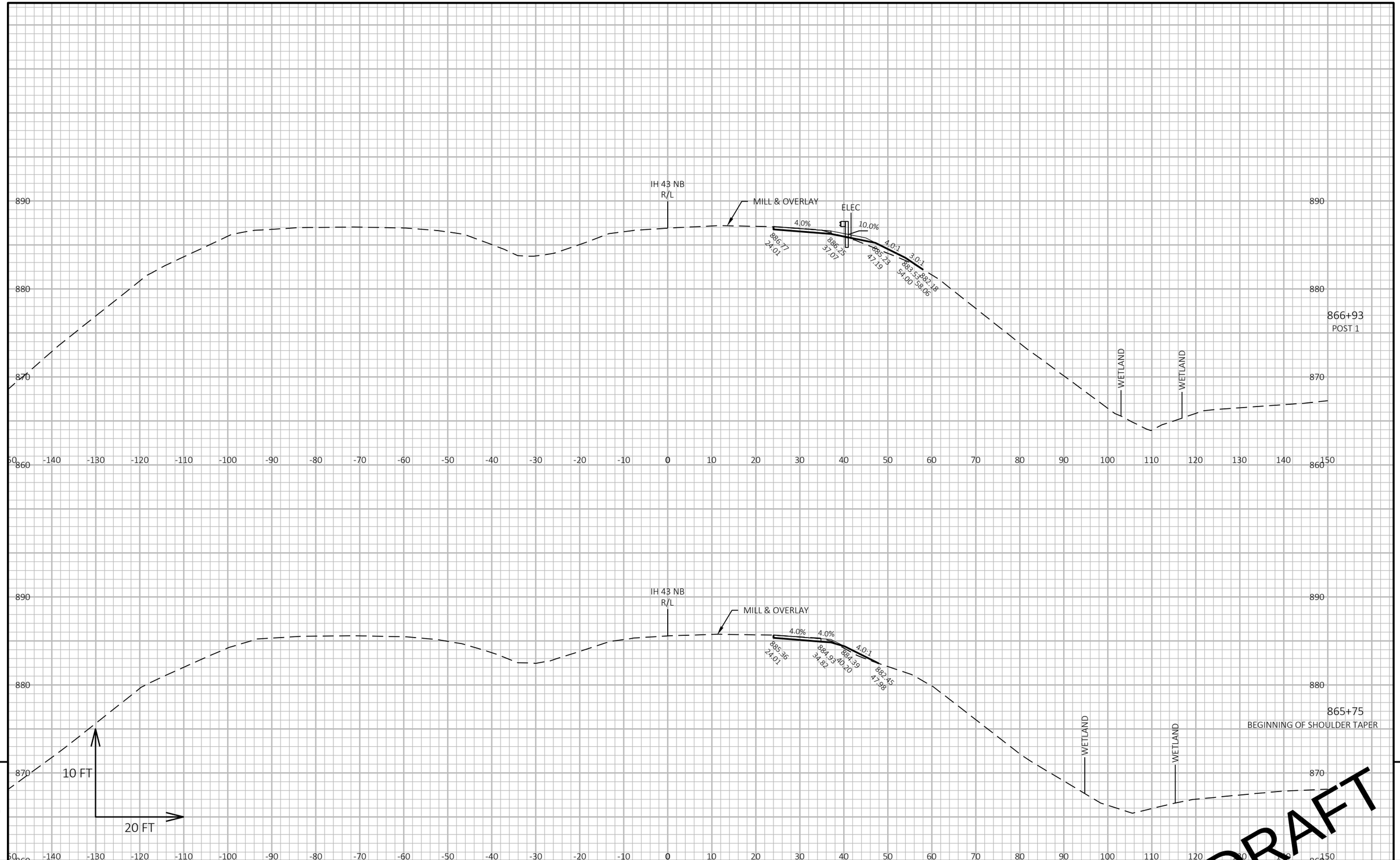
PRE_170

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 853 BG 2

PLOT DATE : 11/23/2020 12:36 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_171

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 867 BG 1

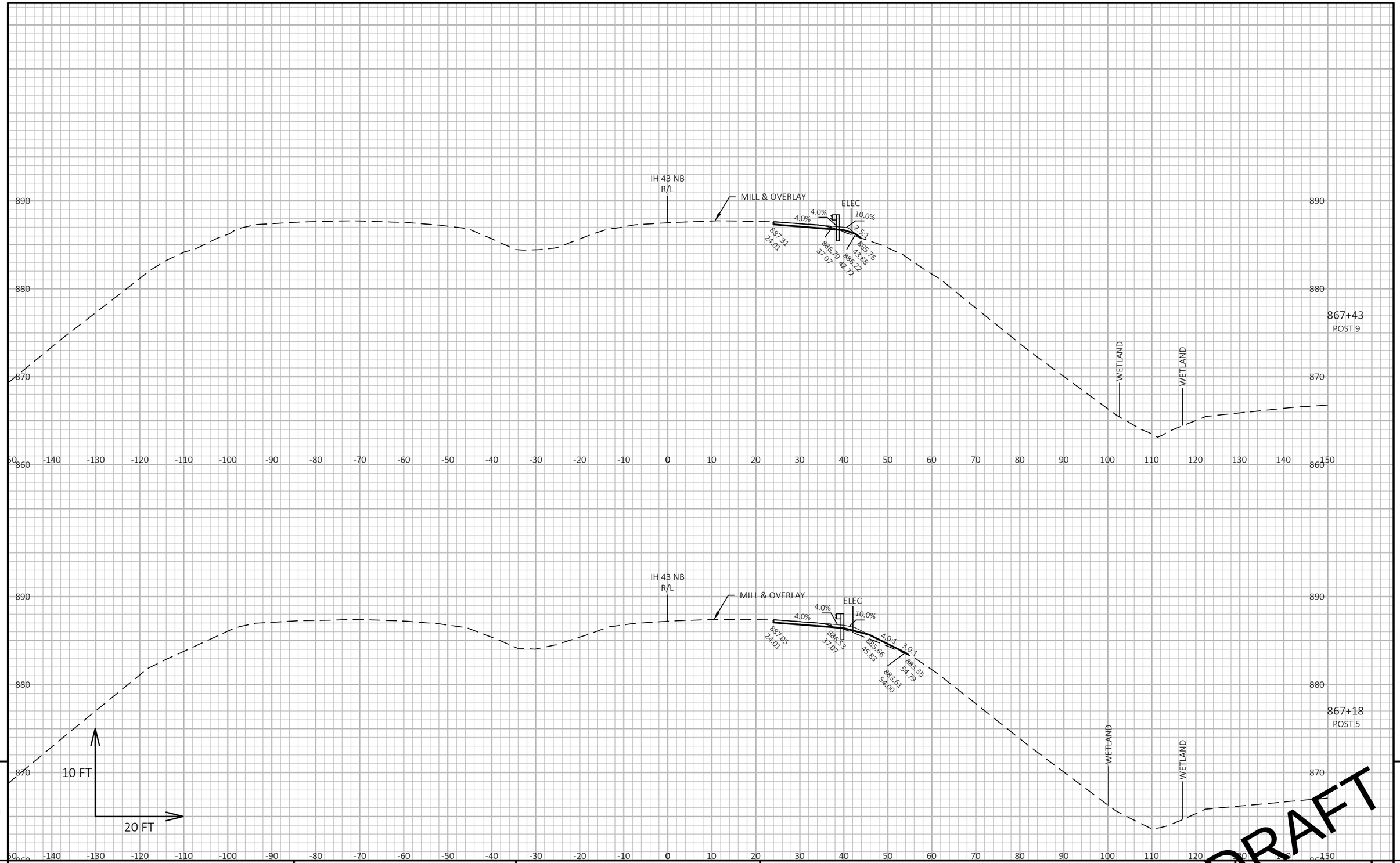
PLOT DATE : 10/5/2020 2:40 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET
				PRE_172 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 867 BG 2

PLOT DATE : 10/5/2020 2:56 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: FT VERT.

WISDOT/CADDS SHEET 49

10 FT

20 FT

IH 43 NB
R/L

ELEC

MILL & OVERLAY

ELEC

10.0%

3.0%

4.0:1

889.73
0.24

889.40
0.24

887.27
-25.65

888.28
-18.29

889.08
-10.23

POST 1
869+98

BEGINNING OF THE SHOULDER TAPER
868+80

IH 43 NB
R/L

ELEC

MILL & OVERLAY

ELEC

6.0%

3.0%

888.50
-11.69

843.20
-11.57

843.28
-10.18

843.60
0.30

843.93
0.30

WETLAND

WETLAND

EXISTING STORM SEWER LINE PARALLEL TO CROSS SECTIONS
STA 869+89 TO STA 869+90

DRAFT

9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 870 BG 1

PLOT DATE : 11/19/2020 4:43 PM

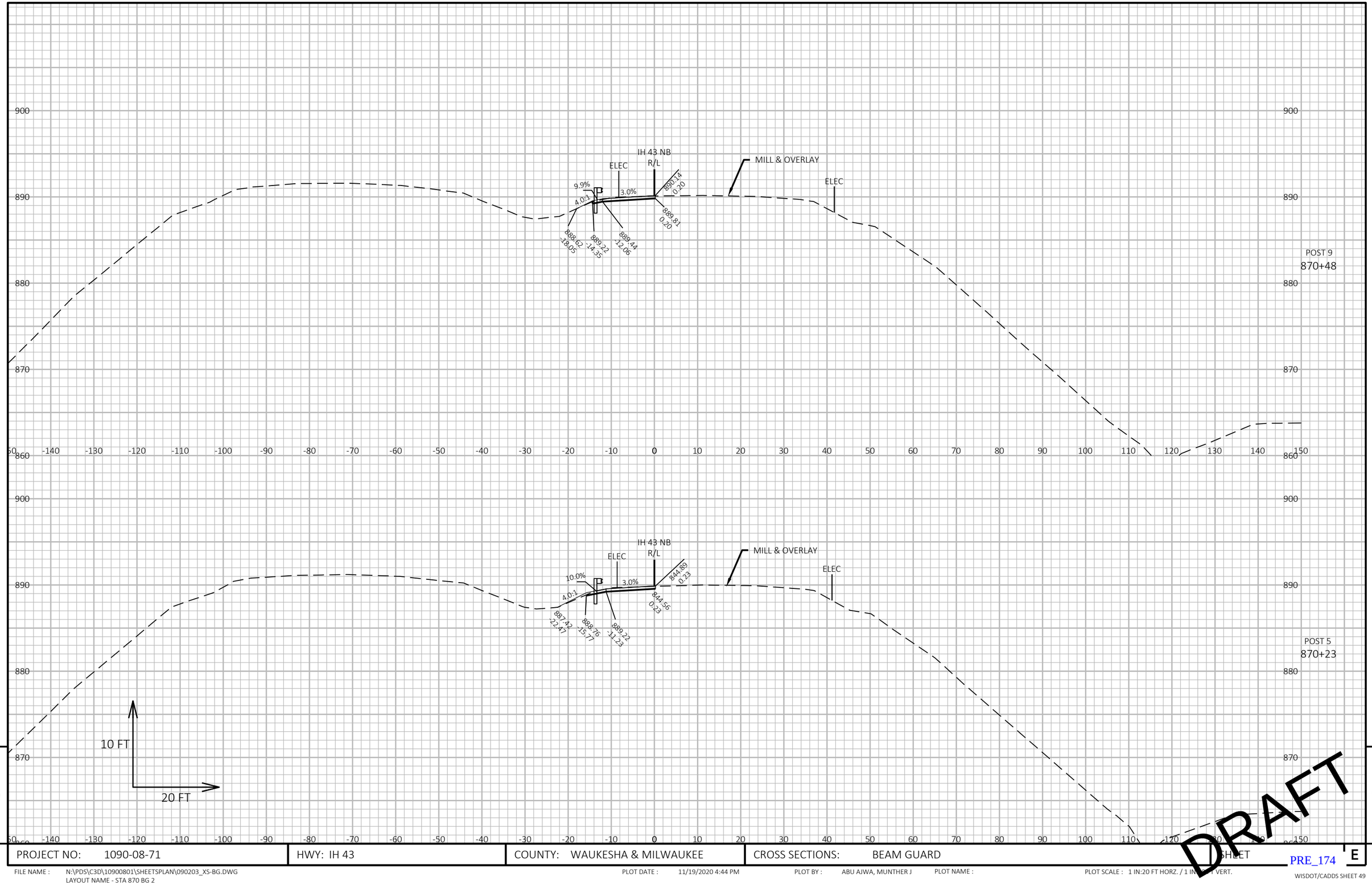
PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_173

WISDOT/CADDS SHEET 49



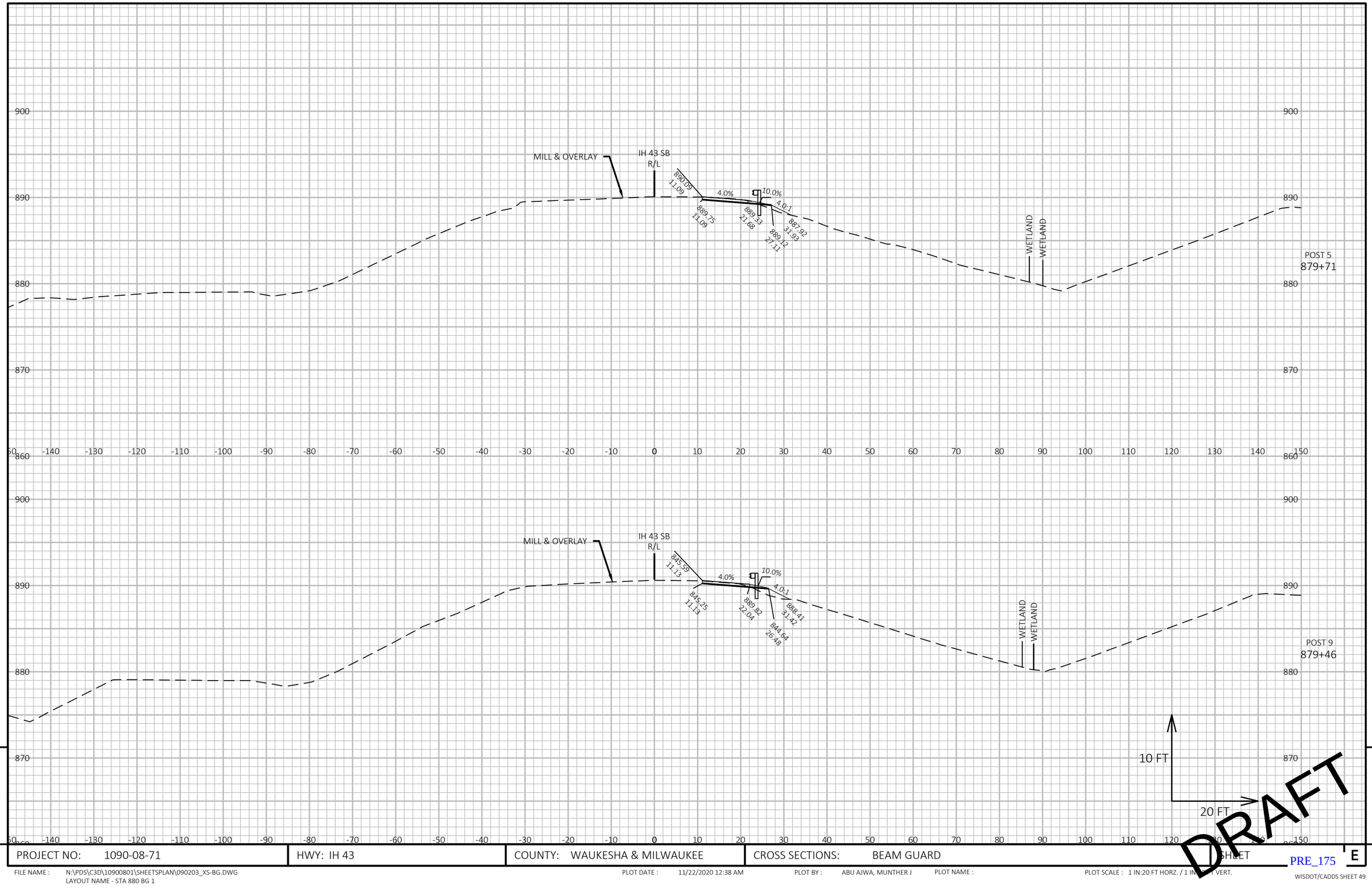
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 870 BG 2

PLOT DATE : 11/19/2020 4:44 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:5 FT VERT.

PRE_174

WISDOT/CADDS SHEET 49



9 9

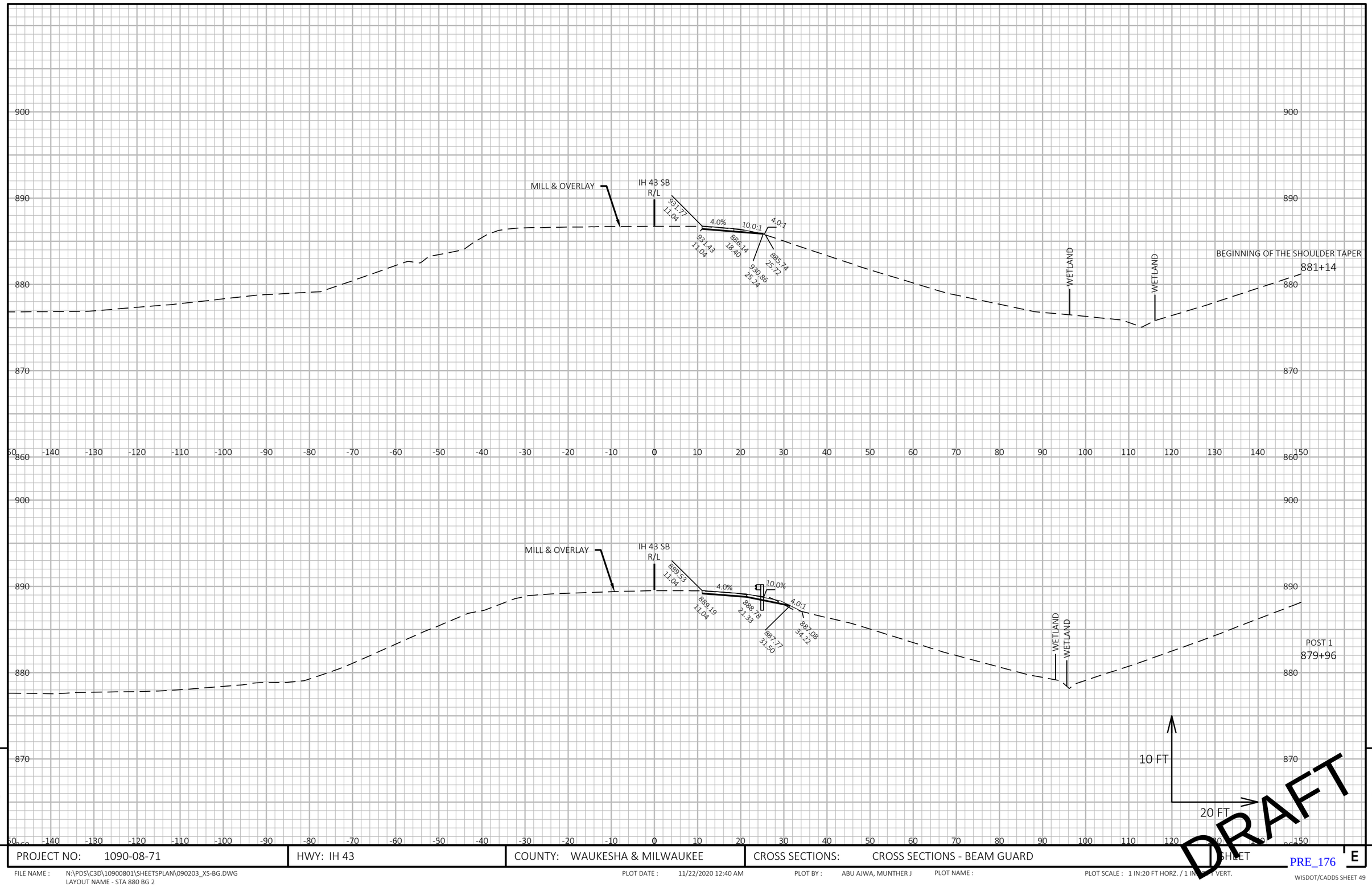
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_175

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 880 BG 1

PLOT DATE : 11/22/2020 12:38 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: 1 VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CROSS SECTIONS - BEAM GUARD	SHEET

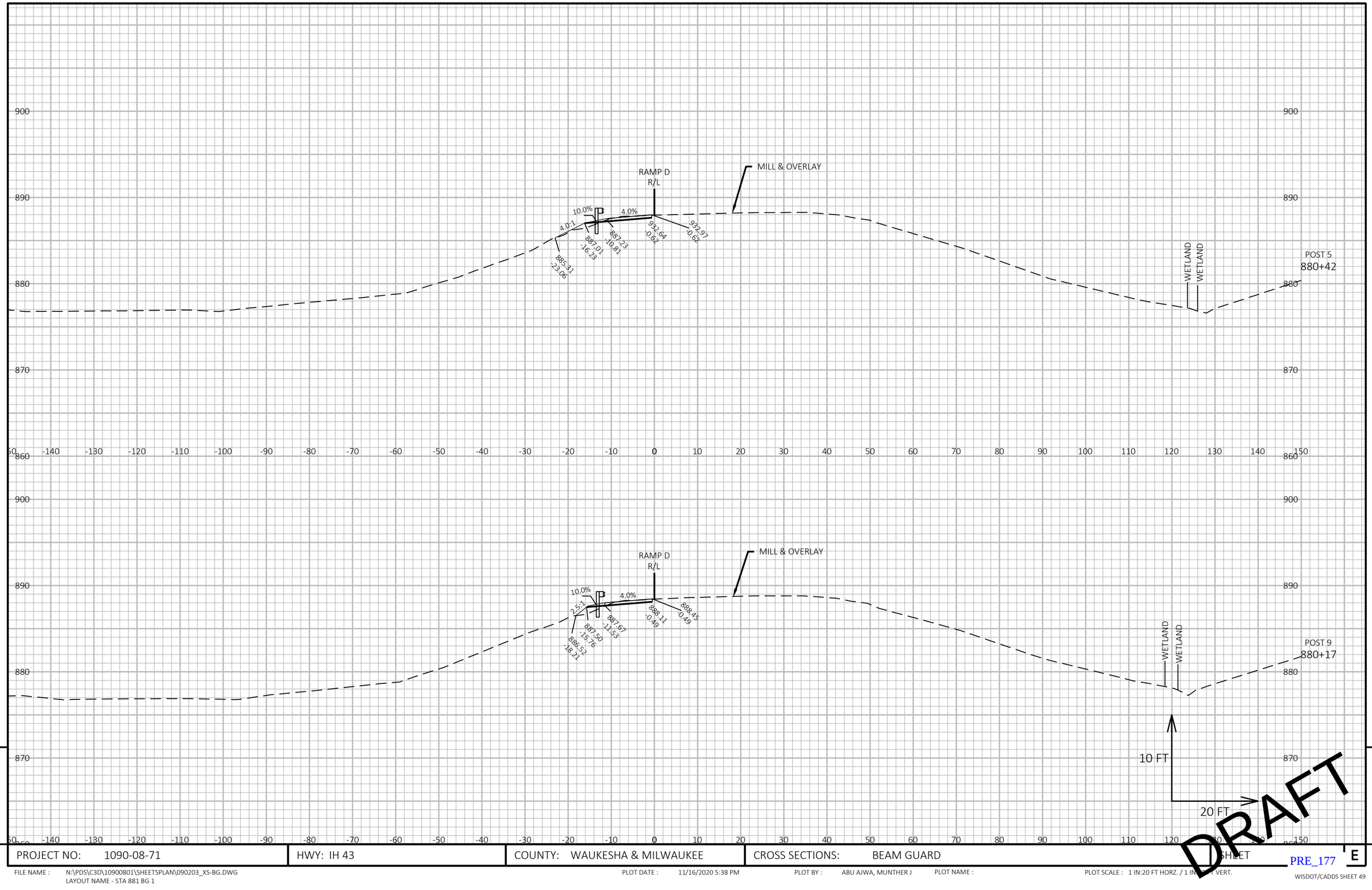
PRE_176

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 880 BG 2

PLOT DATE : 11/22/2020 12:40 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: VERT.

WISDOT/CADDS SHEET 49



9

9

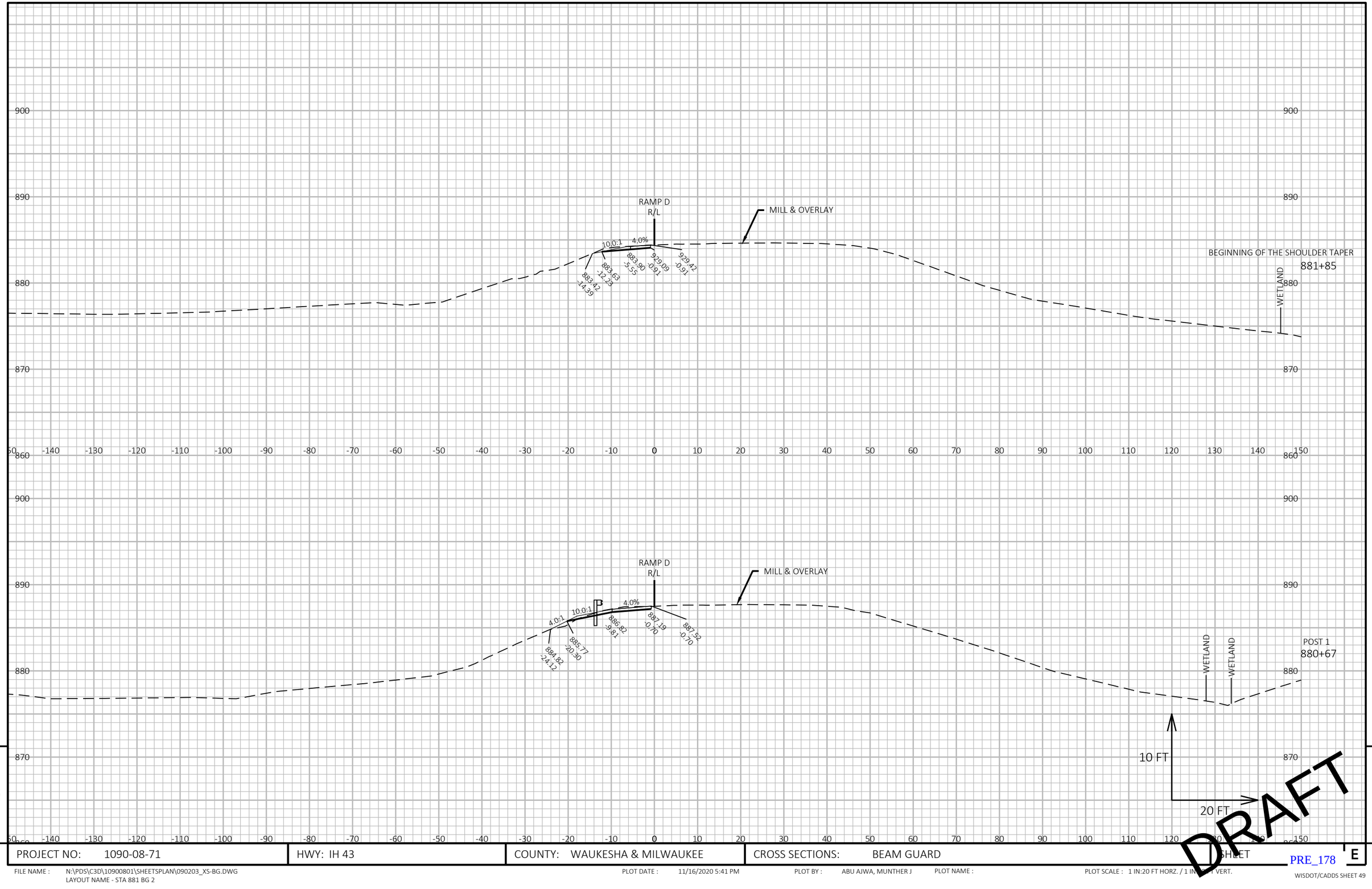
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_177 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 881 BG 1

PLOT DATE : 11/16/2020 5:38 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_178

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 881 BG 2

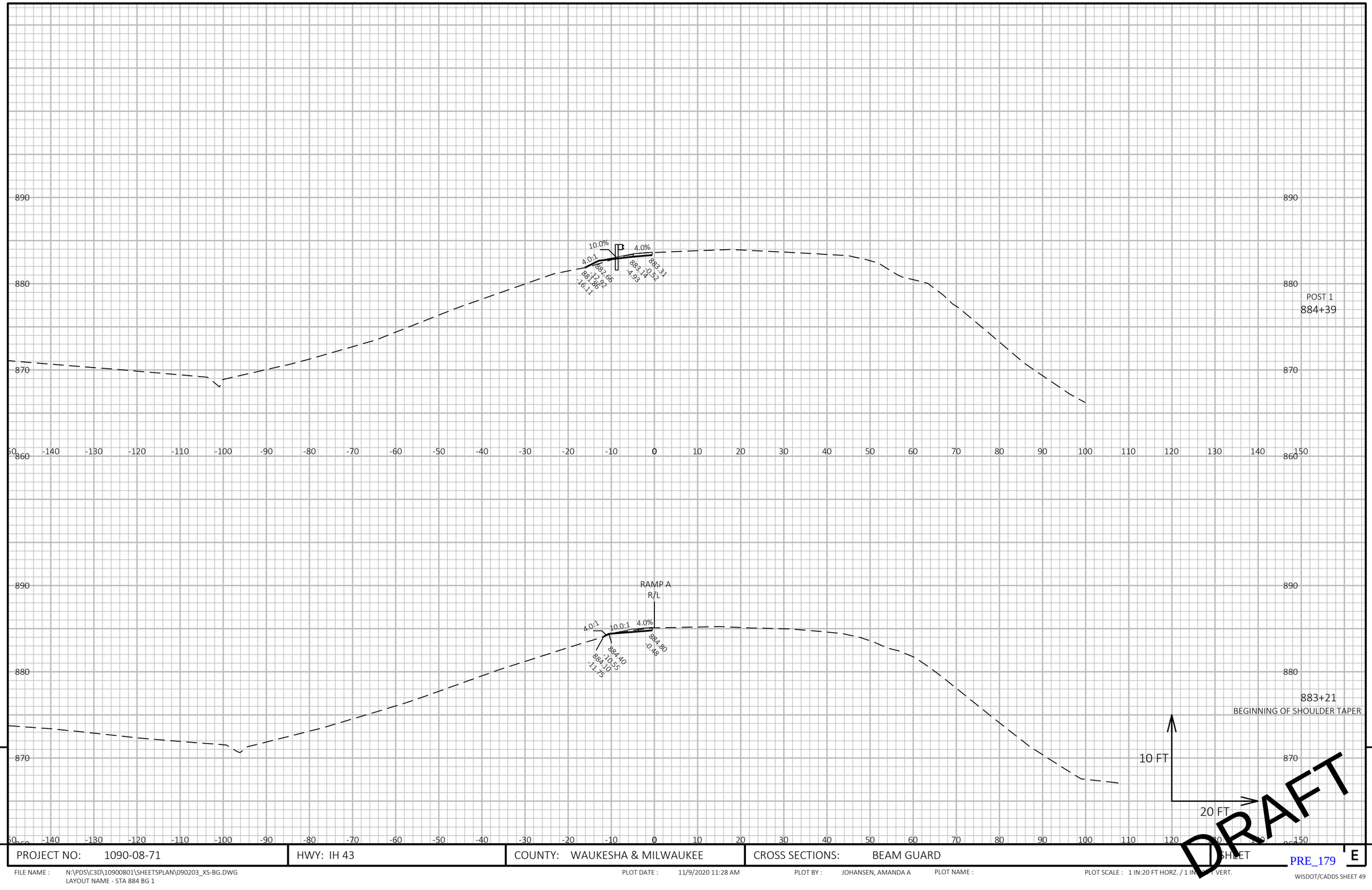
PLOT DATE : 11/16/2020 5:41 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

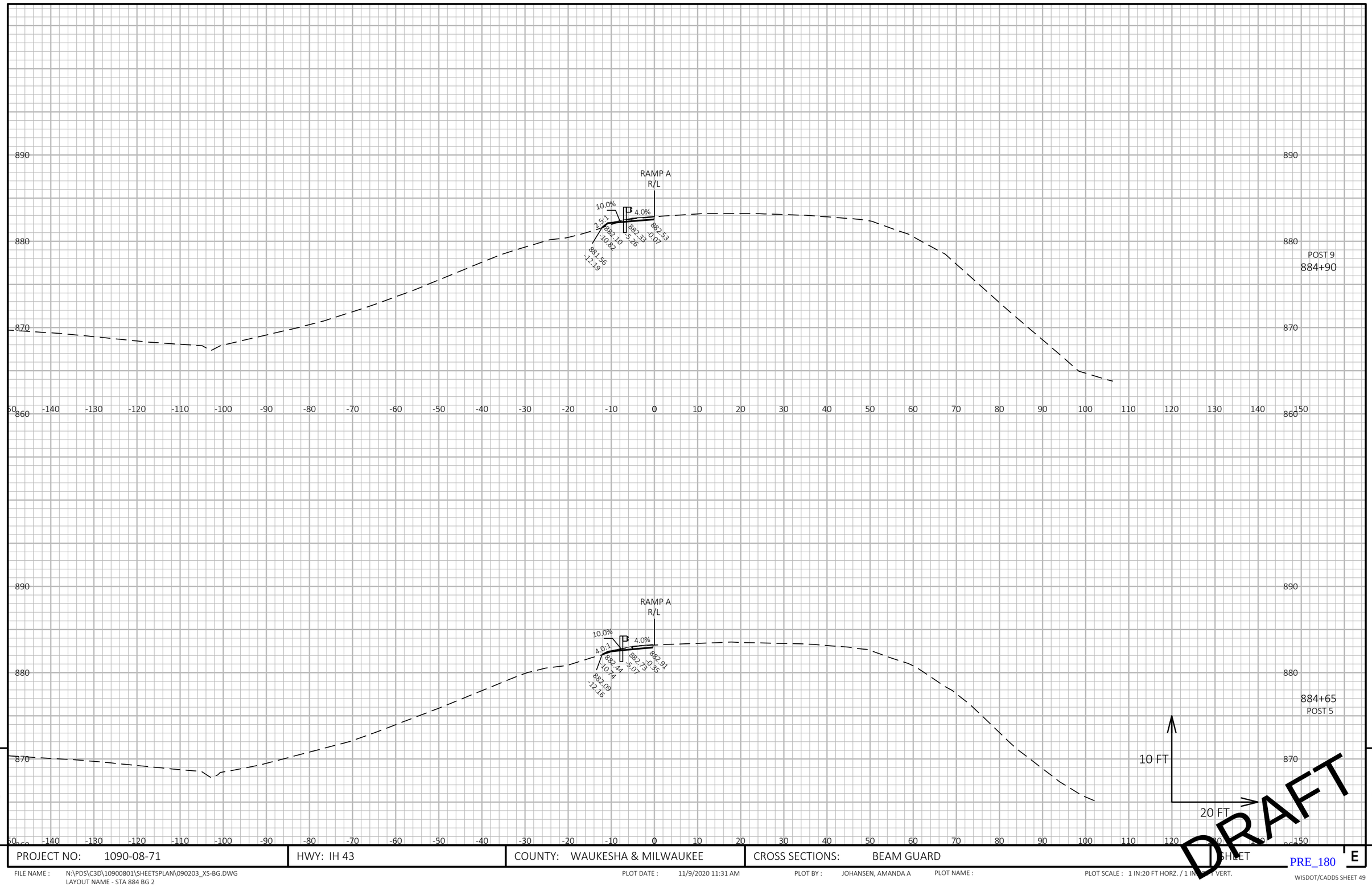
PRE_179

9

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 884 BG 1

PLOT DATE : 11/9/2020 11:28 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_180

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 884 BG 2

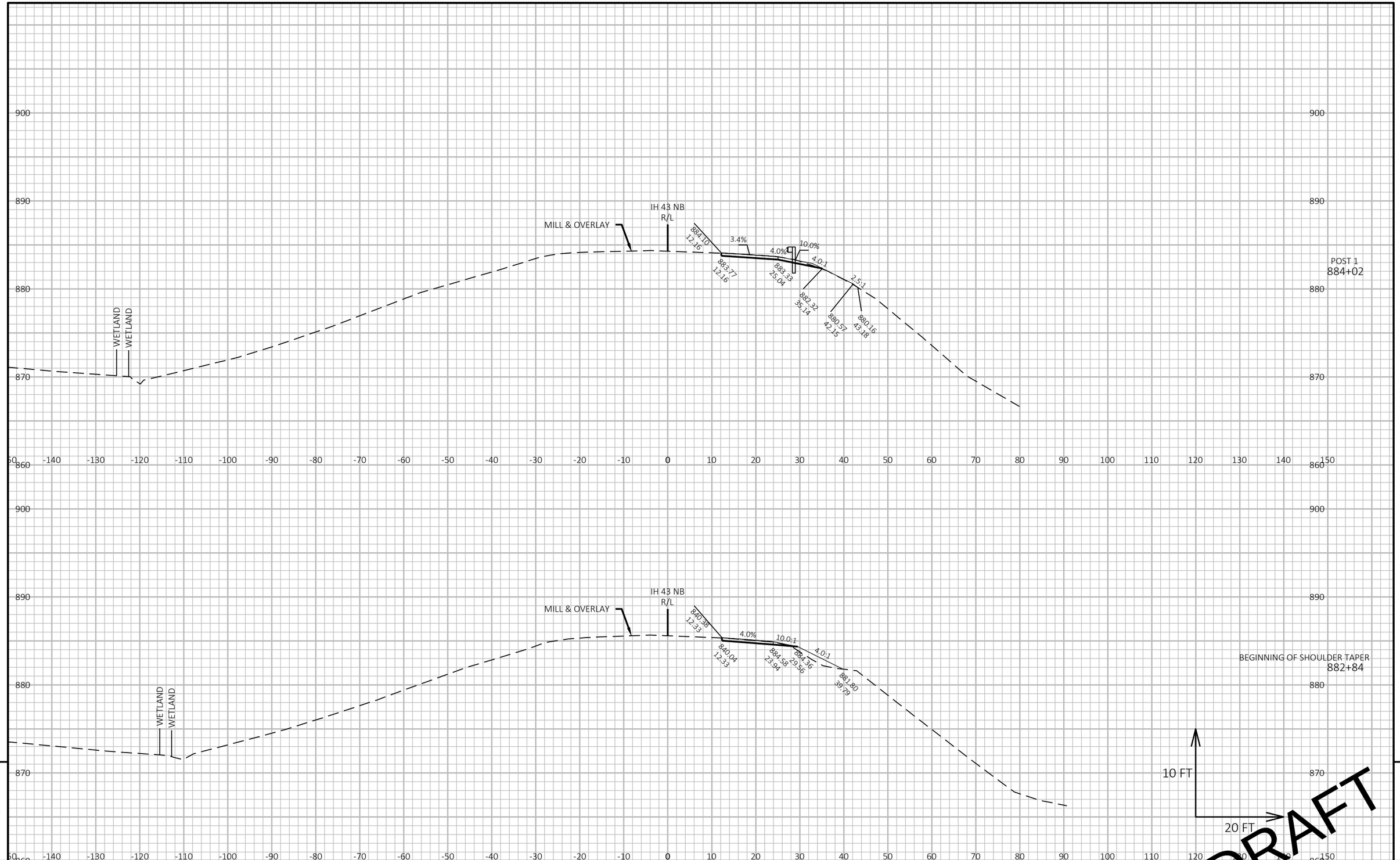
PLOT DATE : 11/9/2020 11:31 AM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_181

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 884 BG 1 (R)

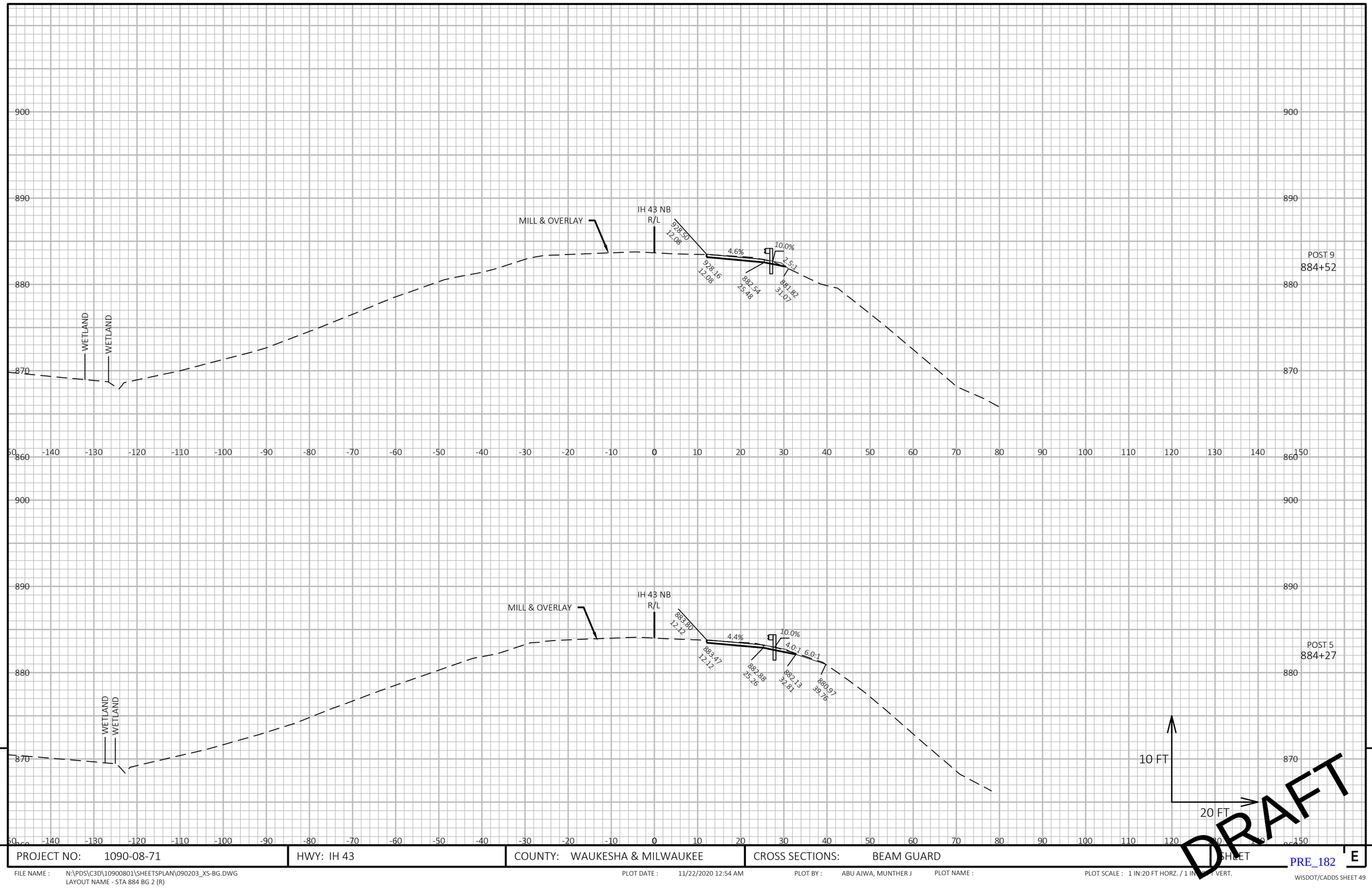
PLOT DATE : 11/22/2020 12:49 AM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



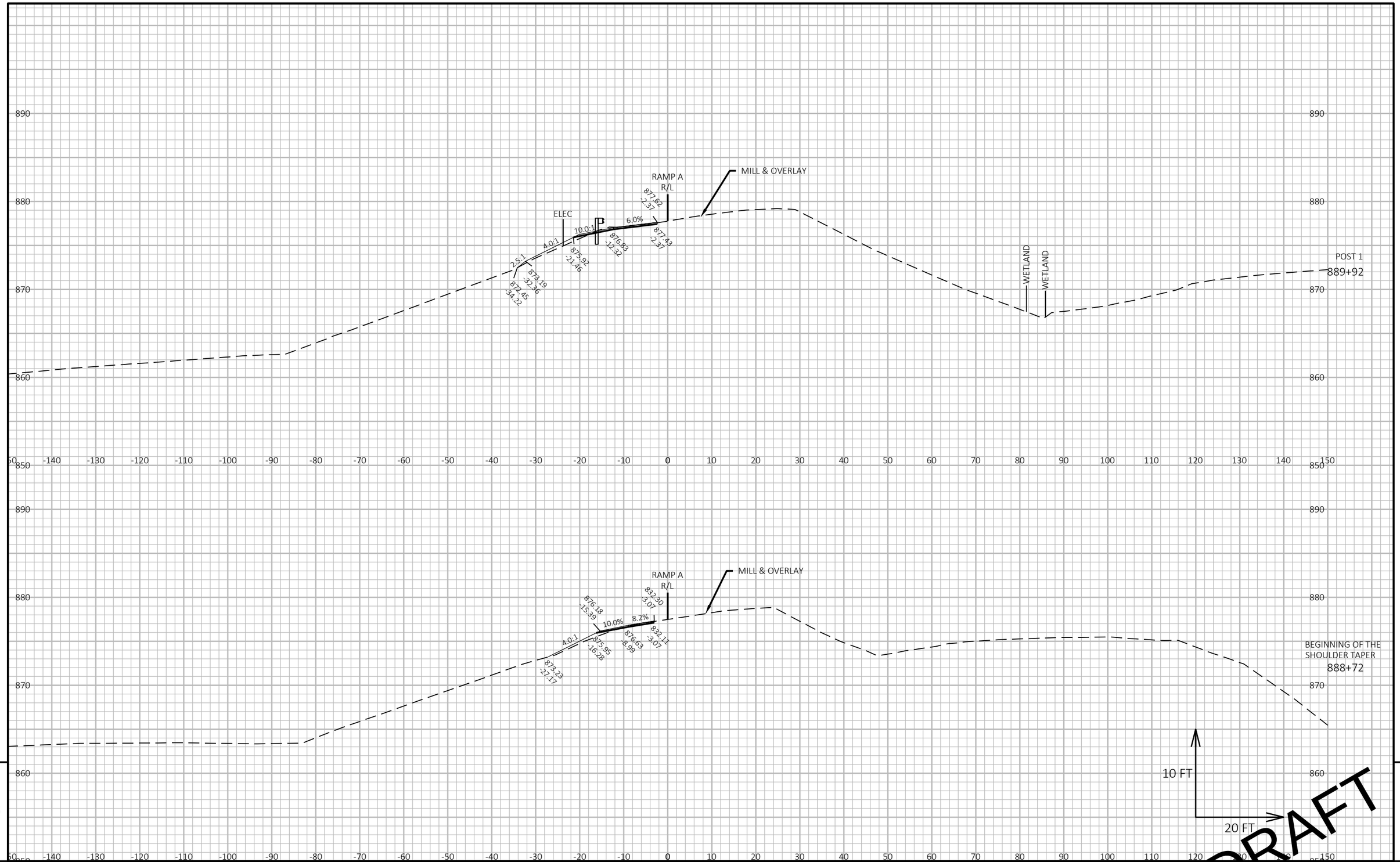
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 884 BG 2 (R)

PLOT DATE : 11/22/2020 12:54 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

PRE_182

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_183

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 890 BG 1 (L)

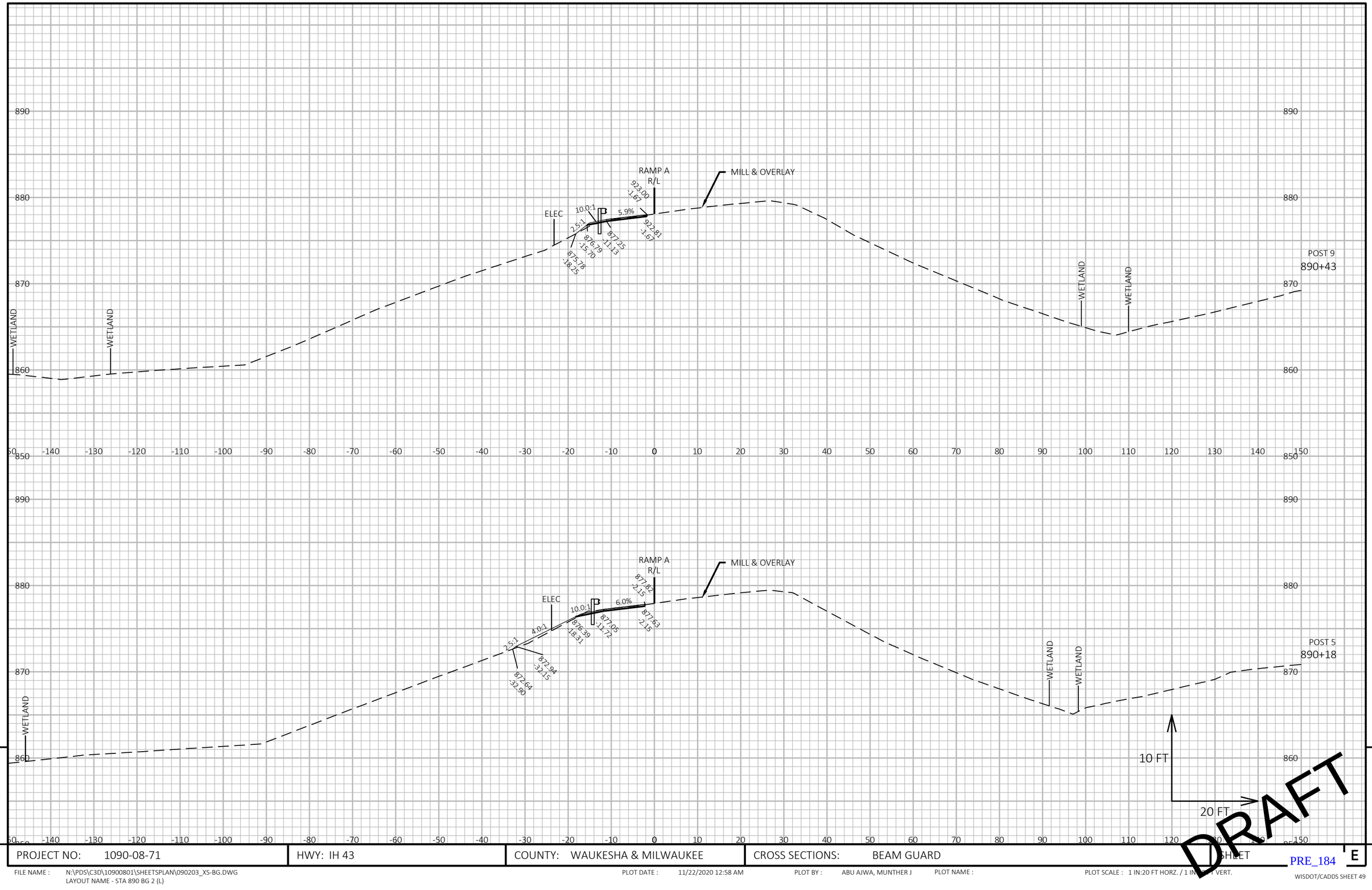
PLOT DATE : 11/16/2020 11:56 AM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



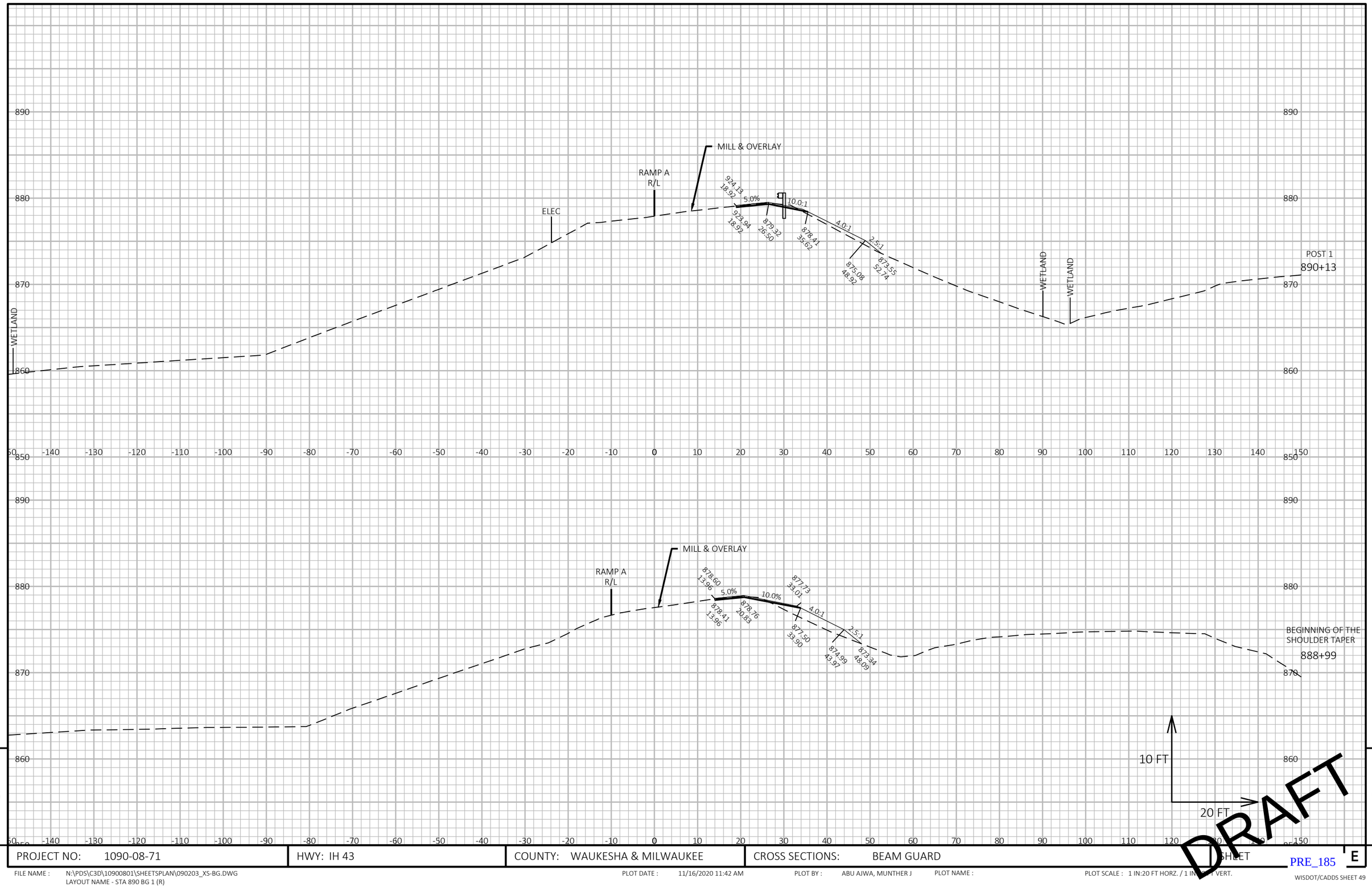
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_184

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 890 BG 2 (L)

PLOT DATE : 11/22/2020 12:58 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_185

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 890 BG 1 (R)

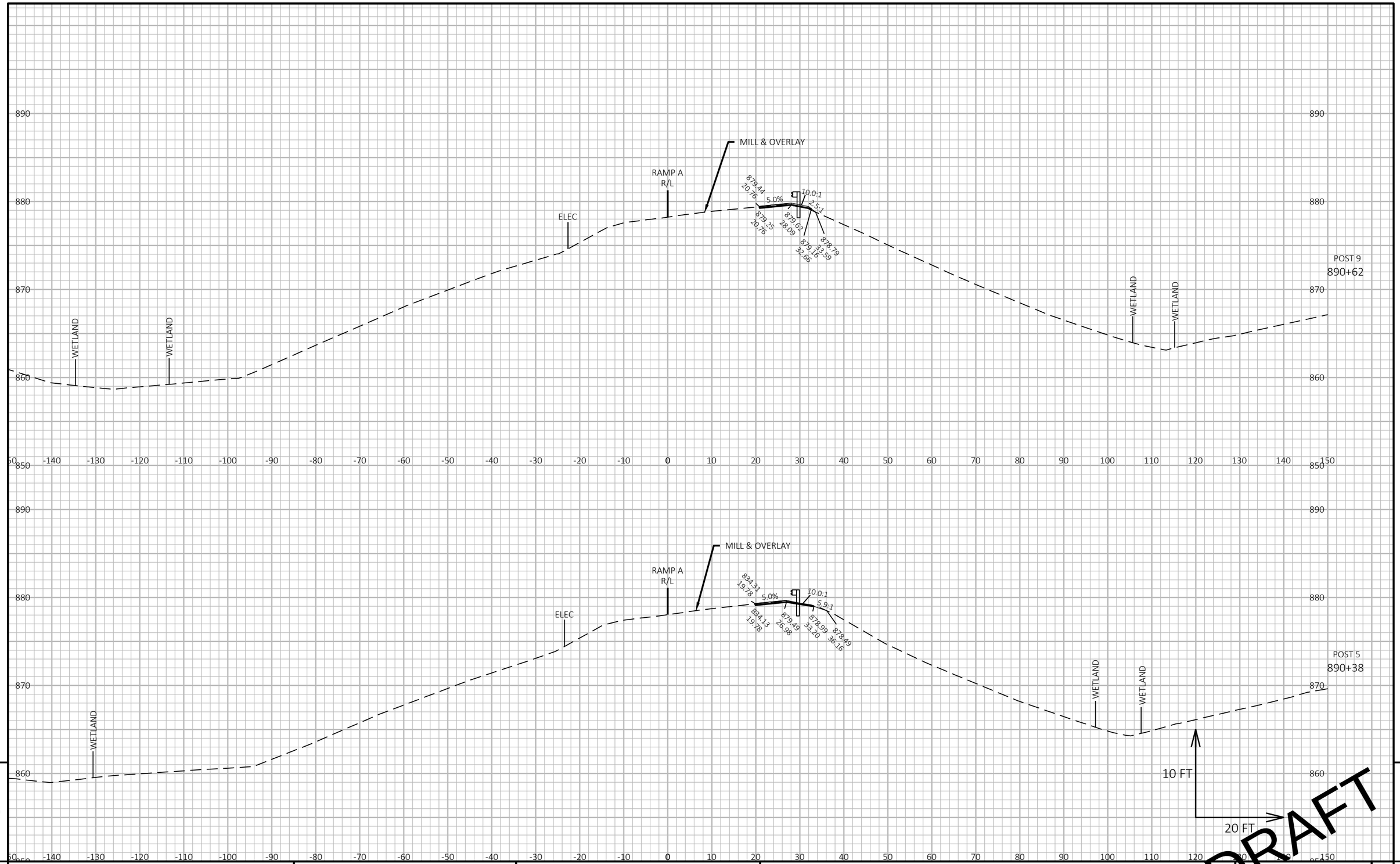
PLOT DATE : 11/16/2020 11:42 AM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



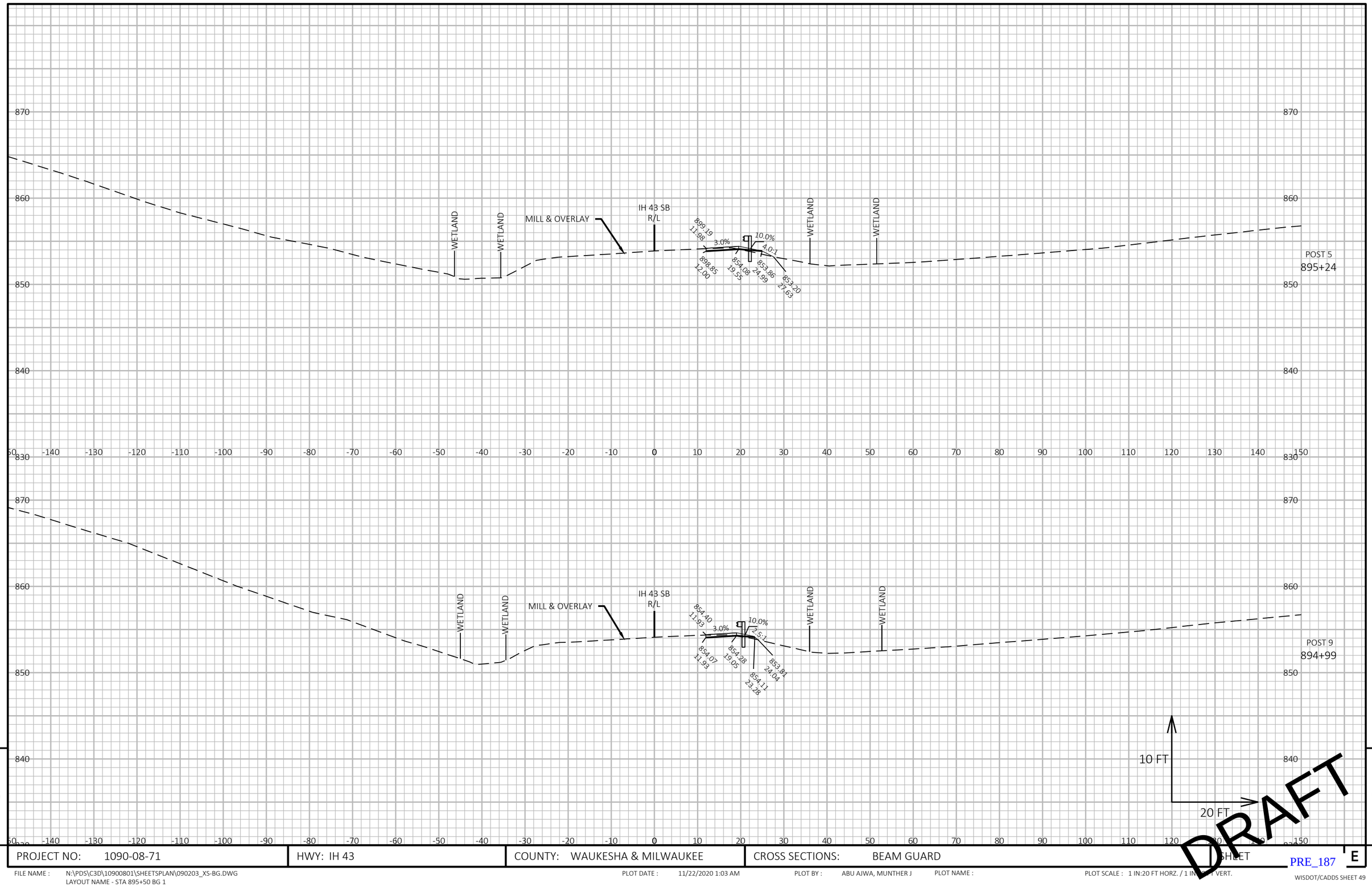
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_186 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 890 BG 2 (R)

PLOT DATE : 11/22/2020 1:01 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

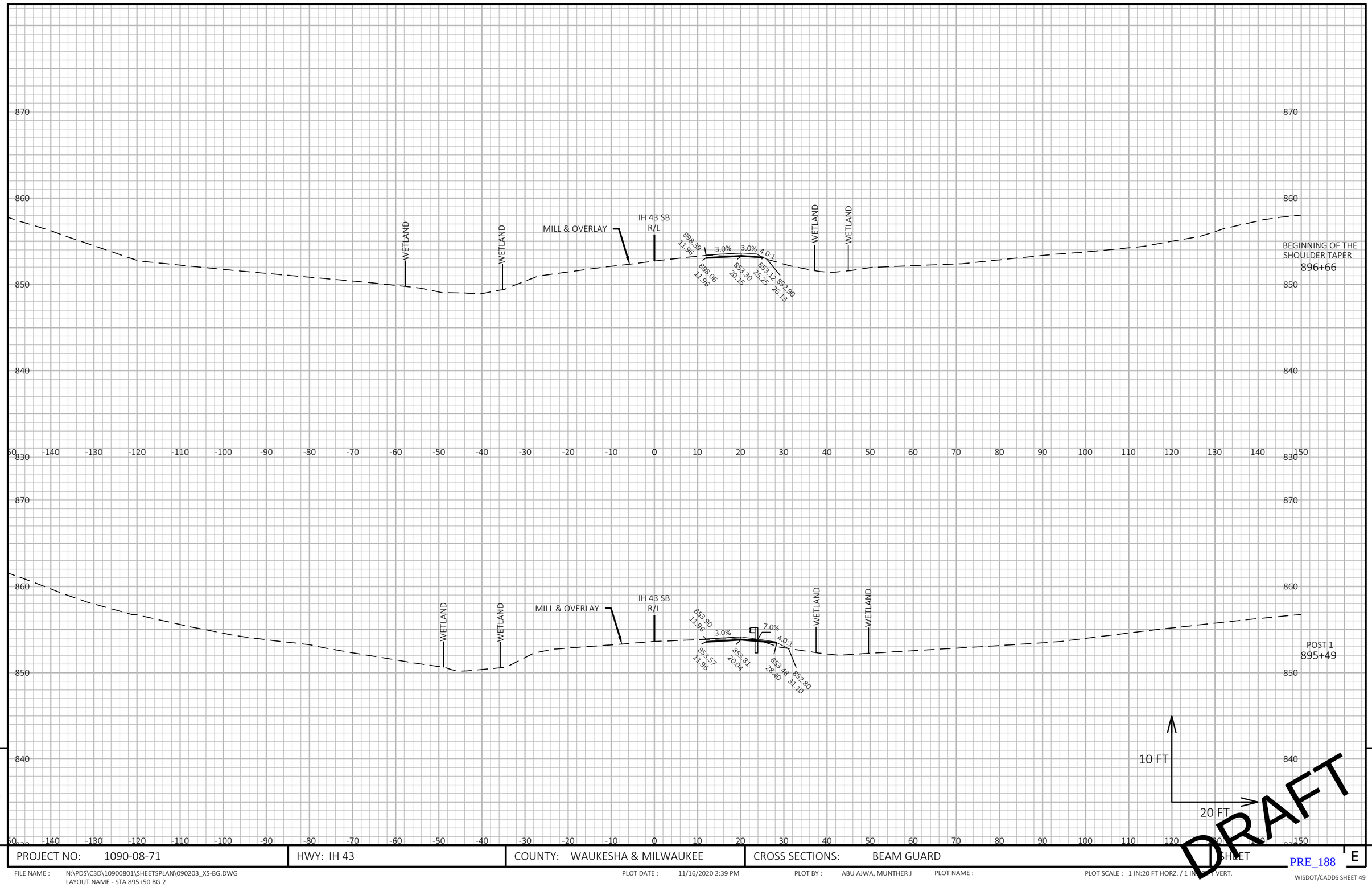
9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_187 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 895+50 BG 1

PLOT DATE : 11/22/2020 1:03 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.



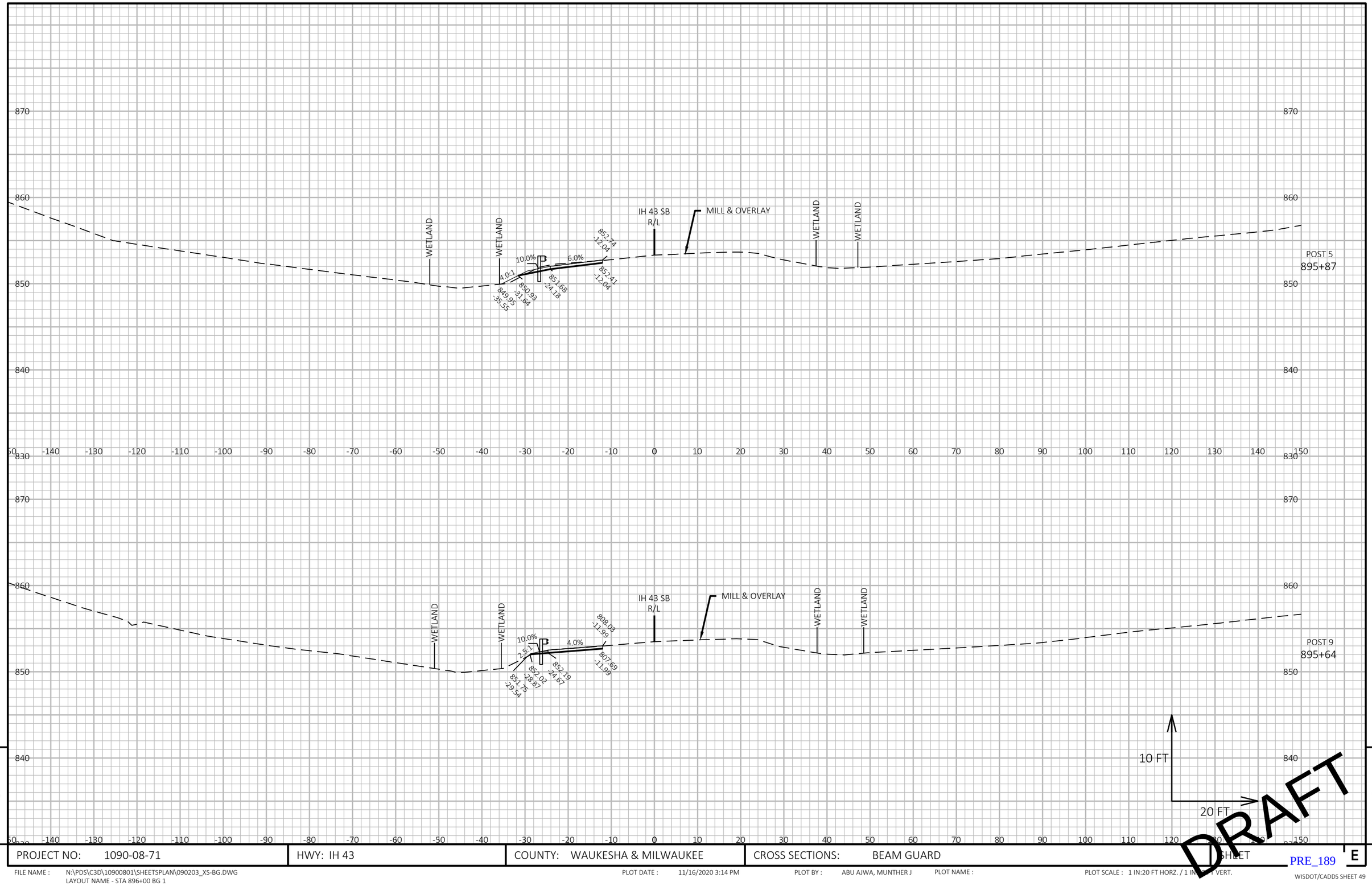
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_188

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 895+50 BG 2

PLOT DATE : 11/16/2020 2:39 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_189

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 896+00 BG 1

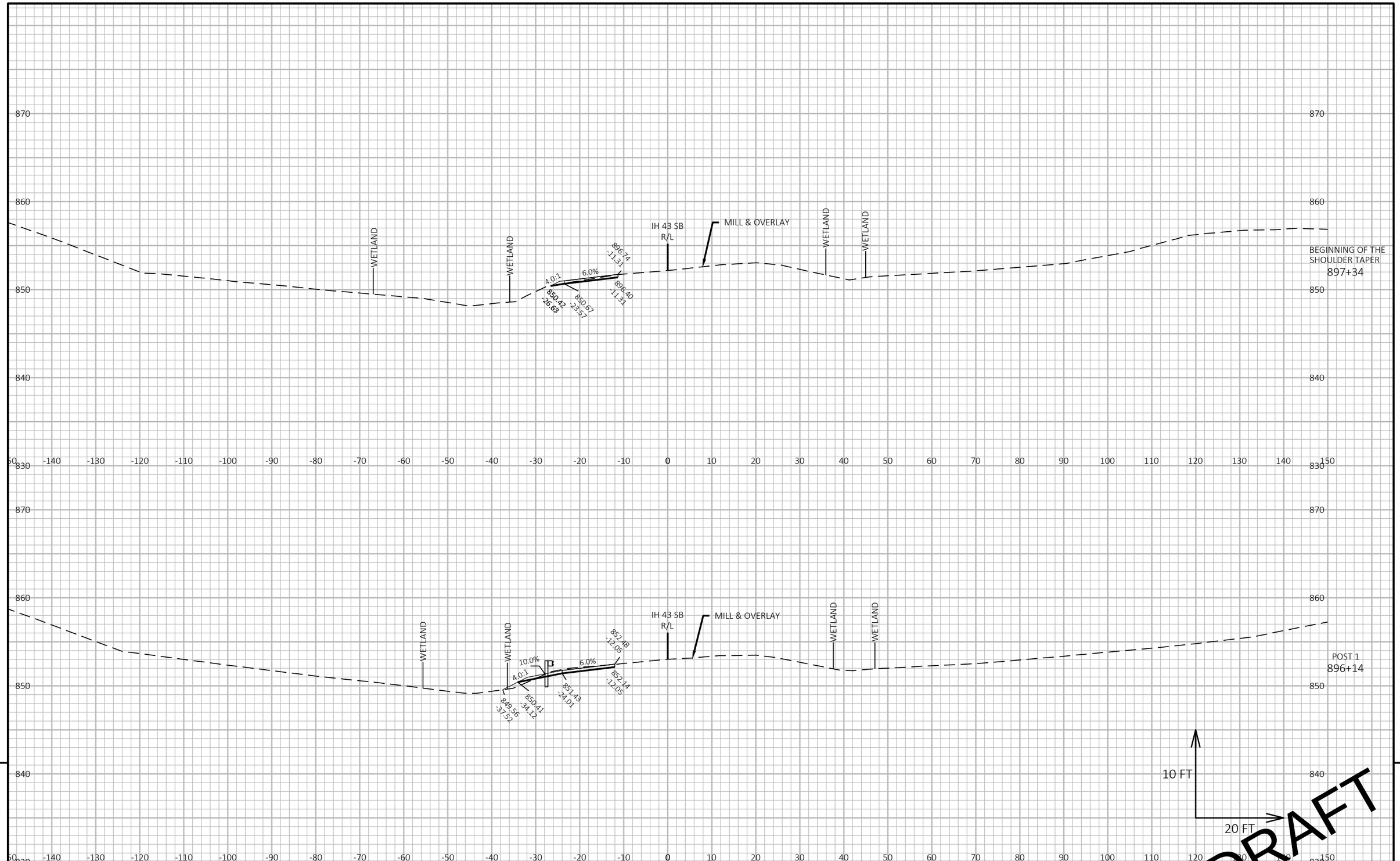
PLOT DATE : 11/16/2020 3:14 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

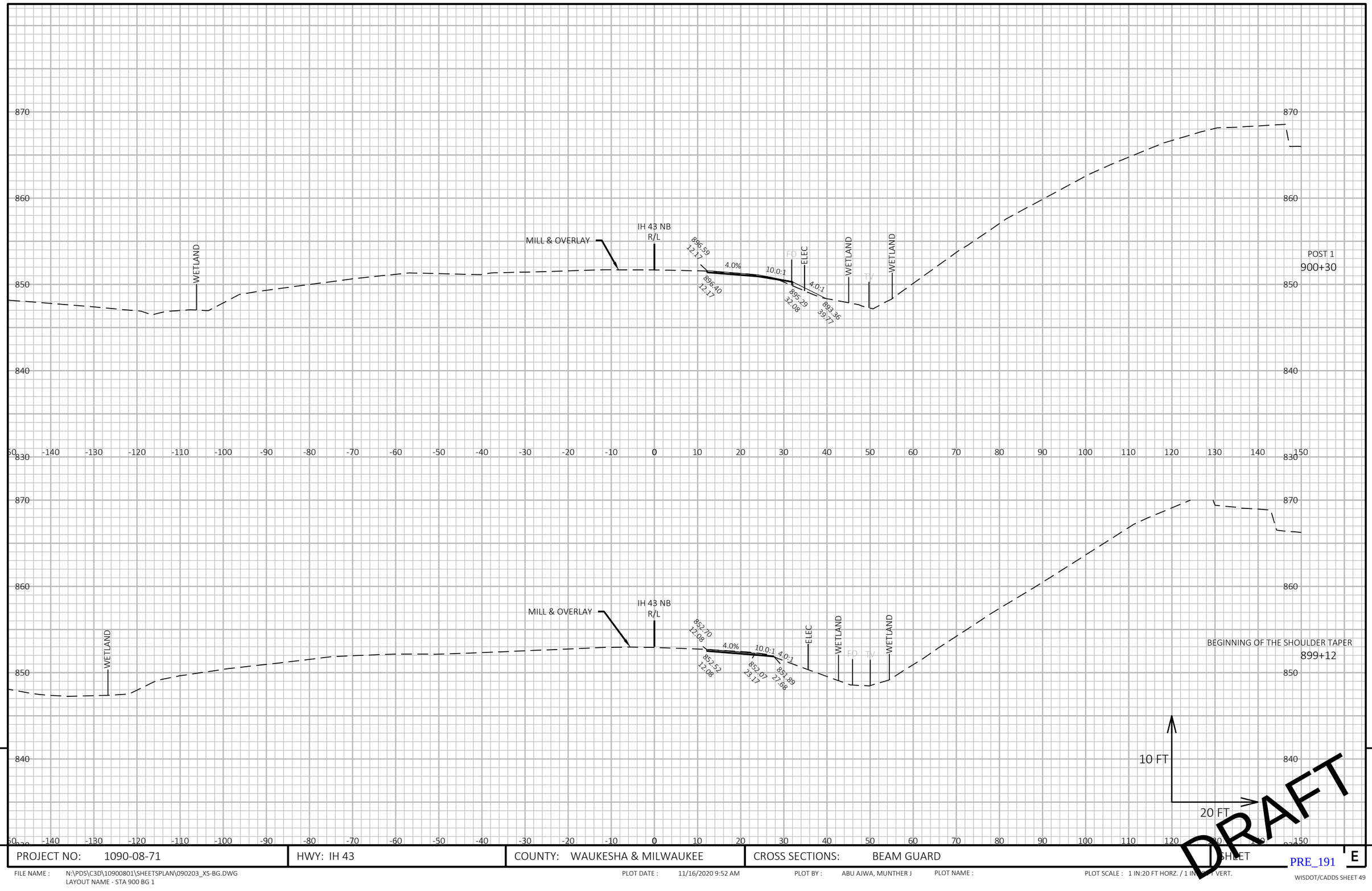
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_190

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 896+00 BG 2

PLOT DATE : 11/16/2020 3:23 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET	E

PRE_191

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 900 BG 1

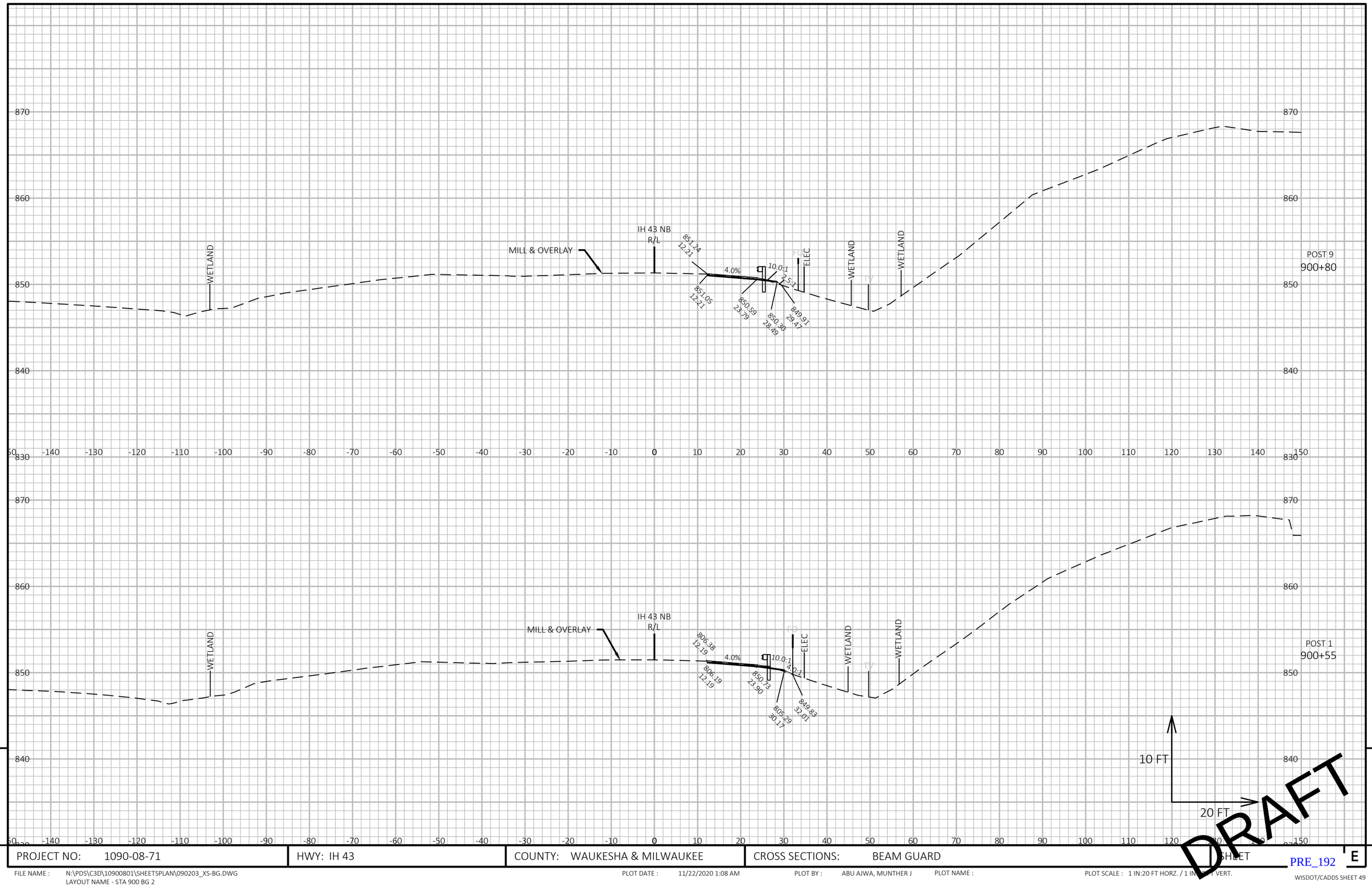
PLOT DATE : 11/16/2020 9:52 AM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



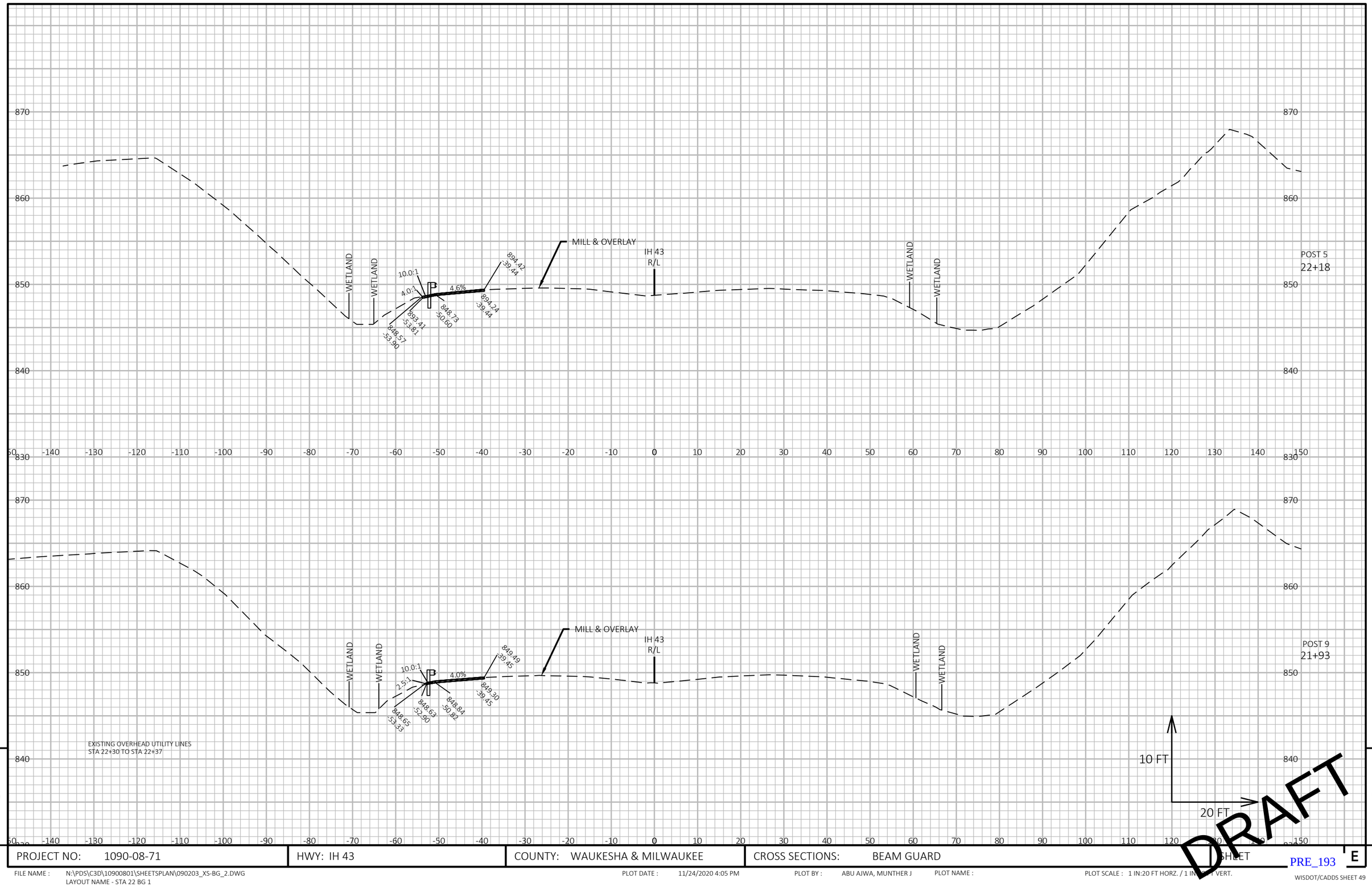
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_192

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG.DWG
LAYOUT NAME - STA 900 BG 2

PLOT DATE : 11/22/2020 1:08 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



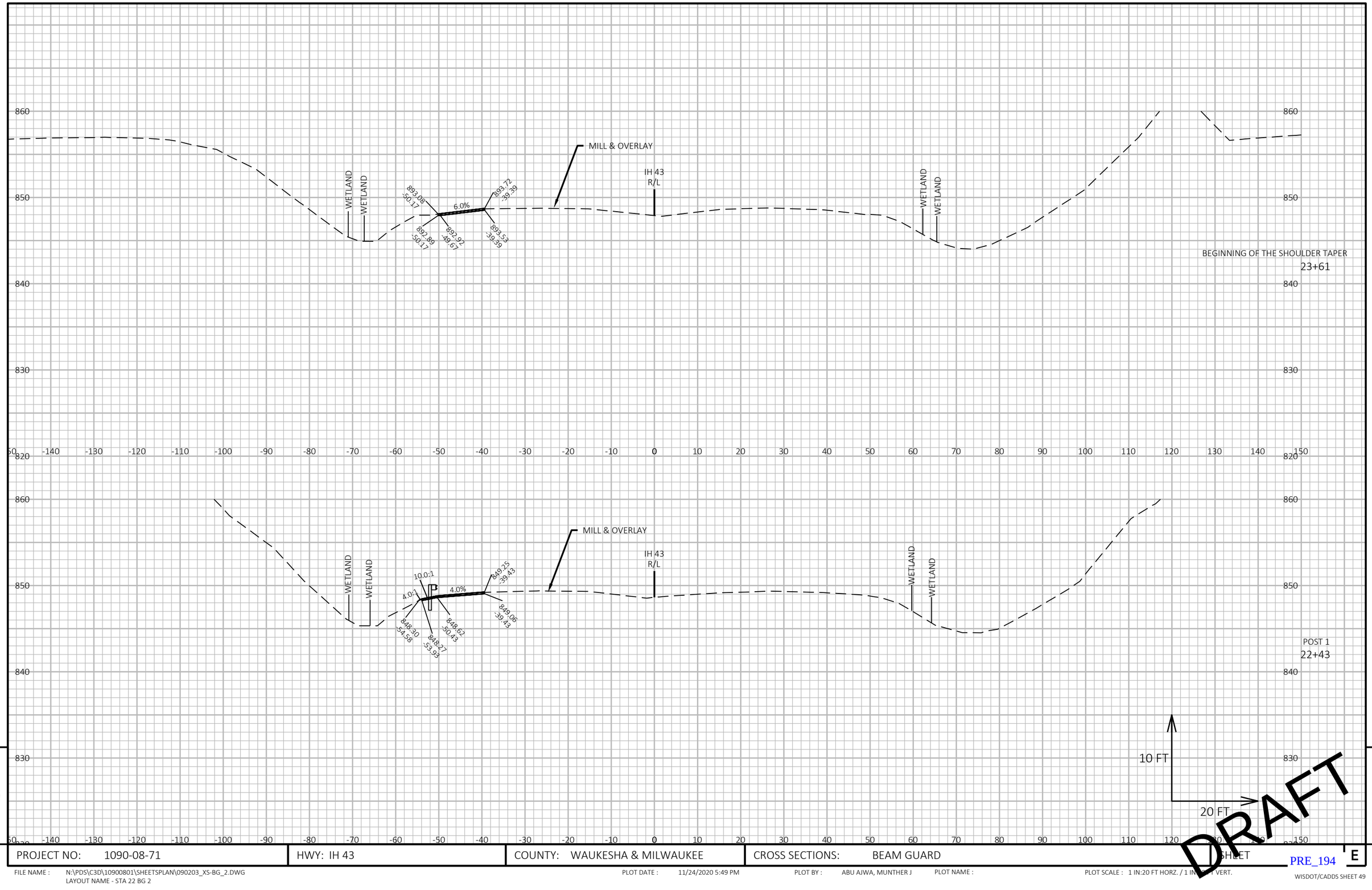
9 9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET PRE_193 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 22 BG 1

PLOT DATE : 11/24/2020 4:05 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49

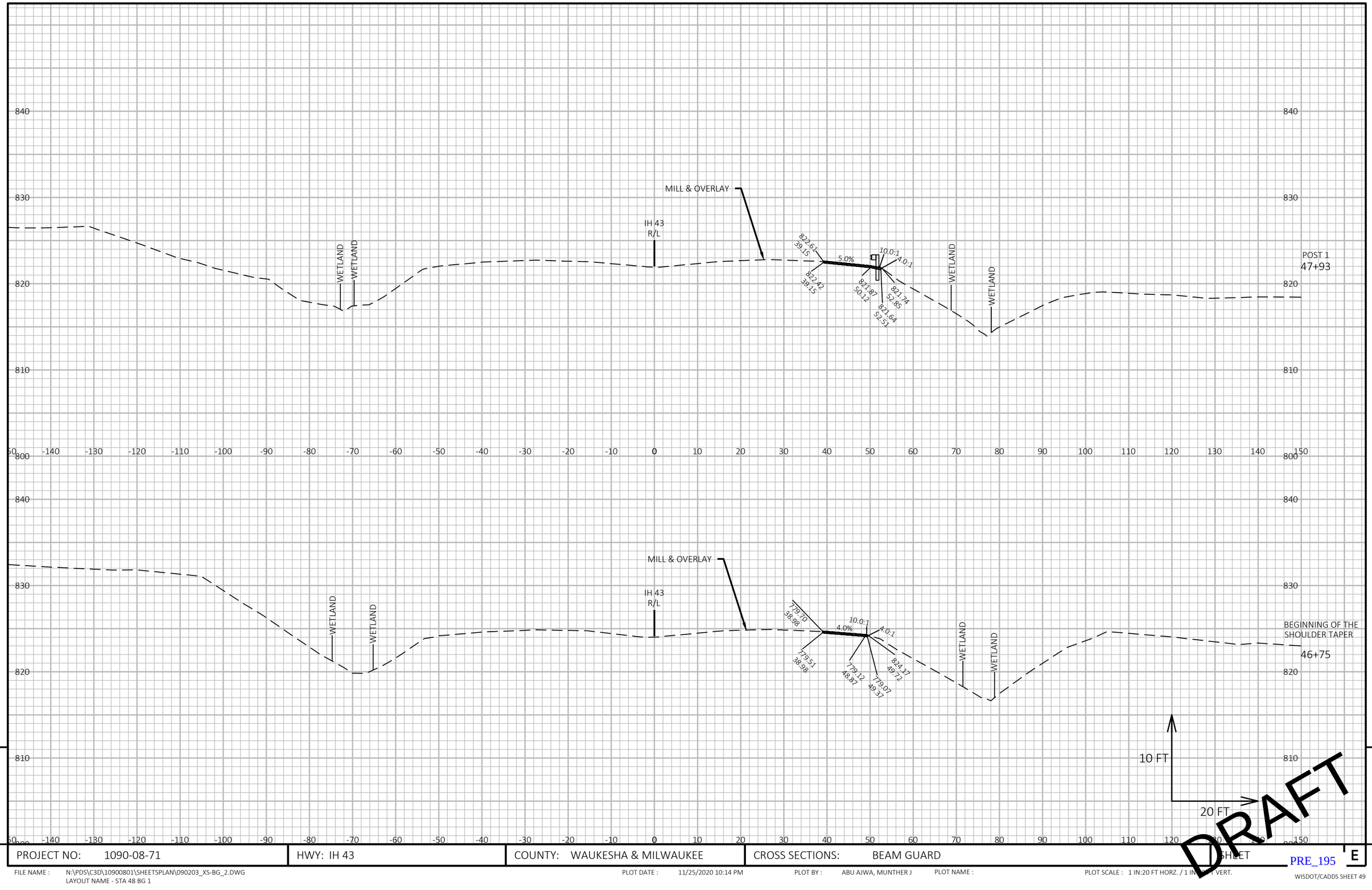


PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET PRE_194 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 22 BG 2

PLOT DATE : 11/24/2020 5:49 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



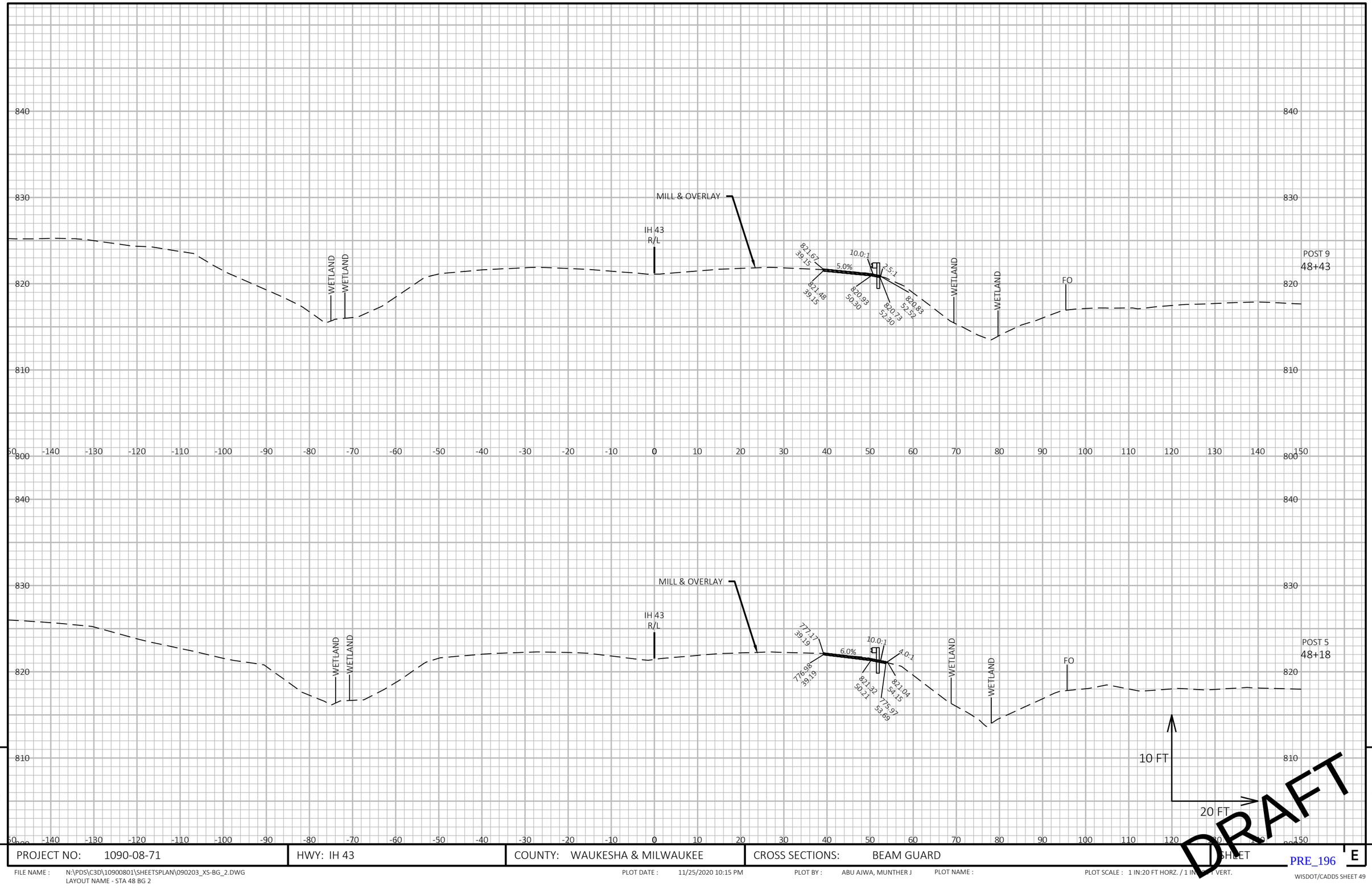
9 9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_195

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 48 BG 1

PLOT DATE : 11/25/2020 10:14 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: 1 VERT.



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_196

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 48 BG 2

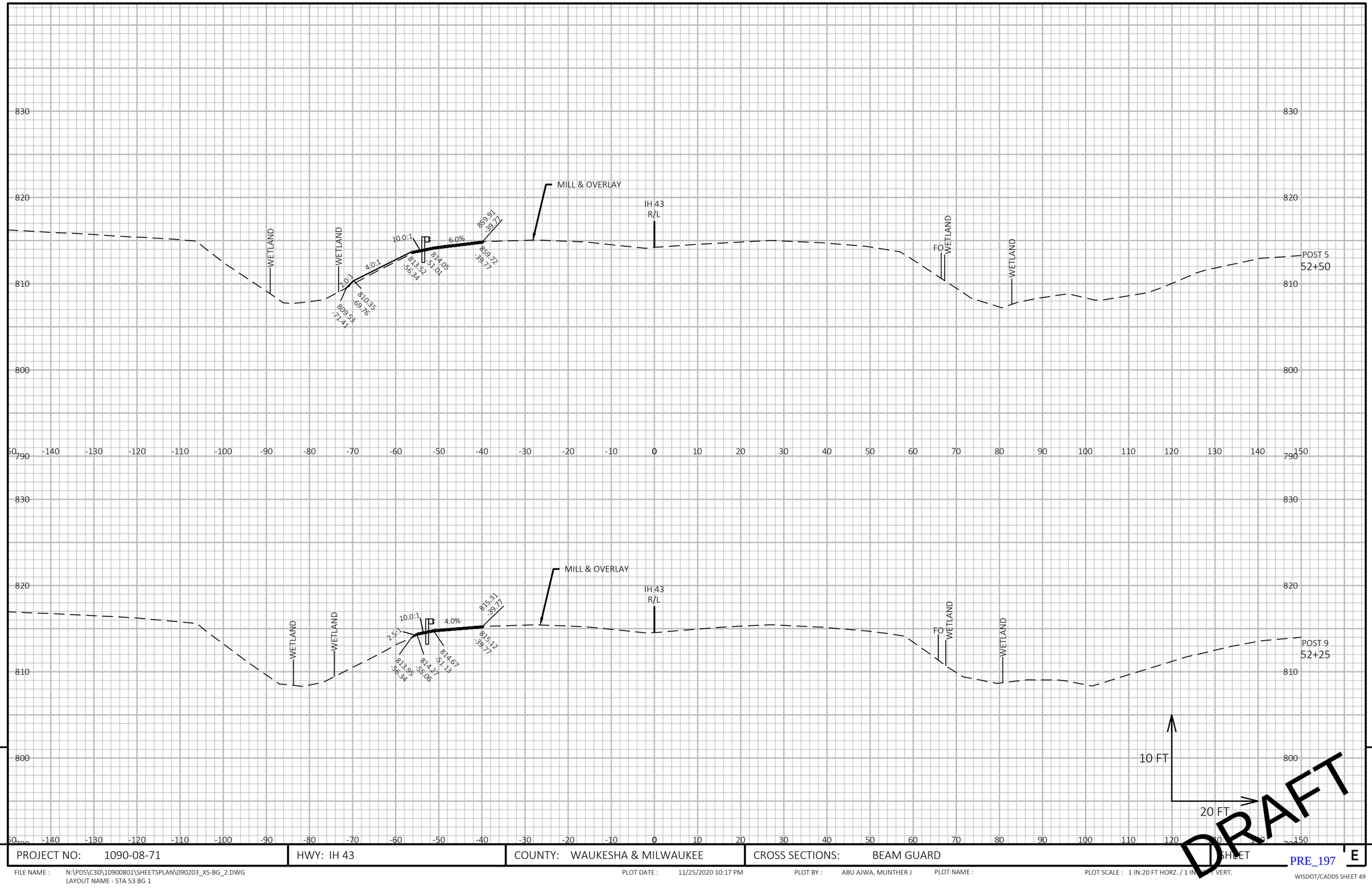
PLOT DATE : 11/25/2020 10:15 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



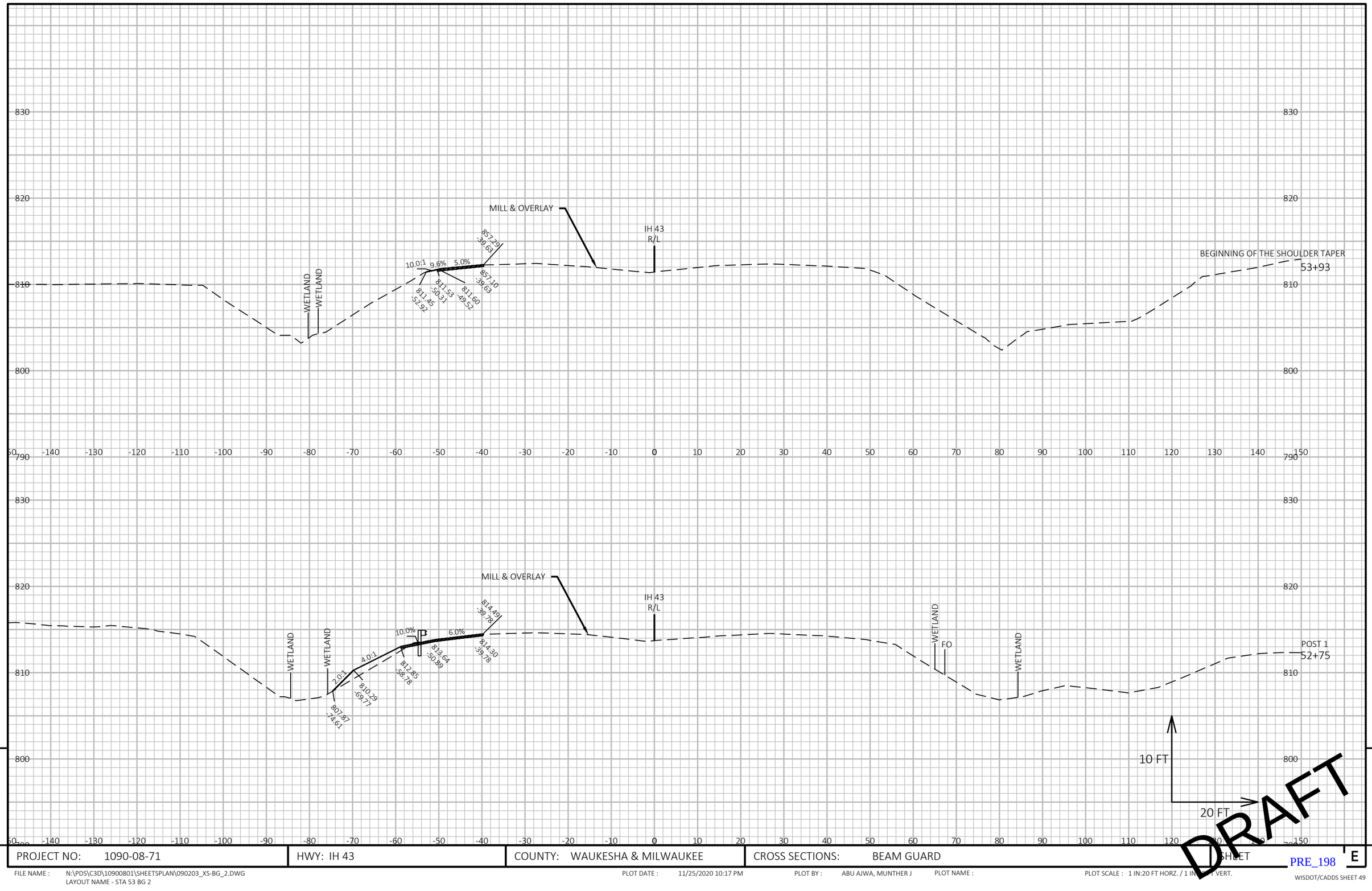
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_197 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 53 BG 1

PLOT DATE : 11/25/2020 10:17 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



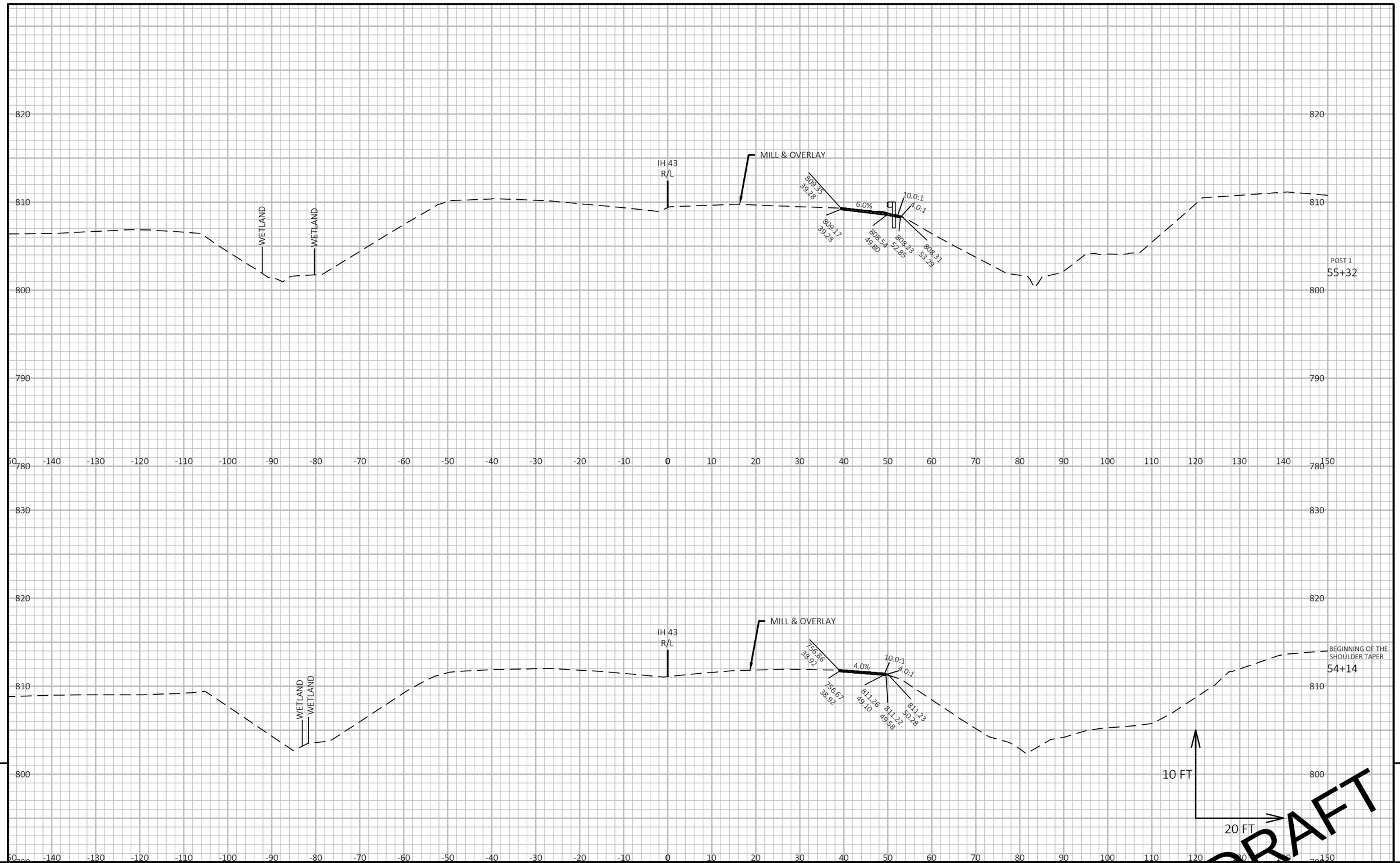
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_198

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 53 BG 2

PLOT DATE : 11/25/2020 10:17 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



9 9

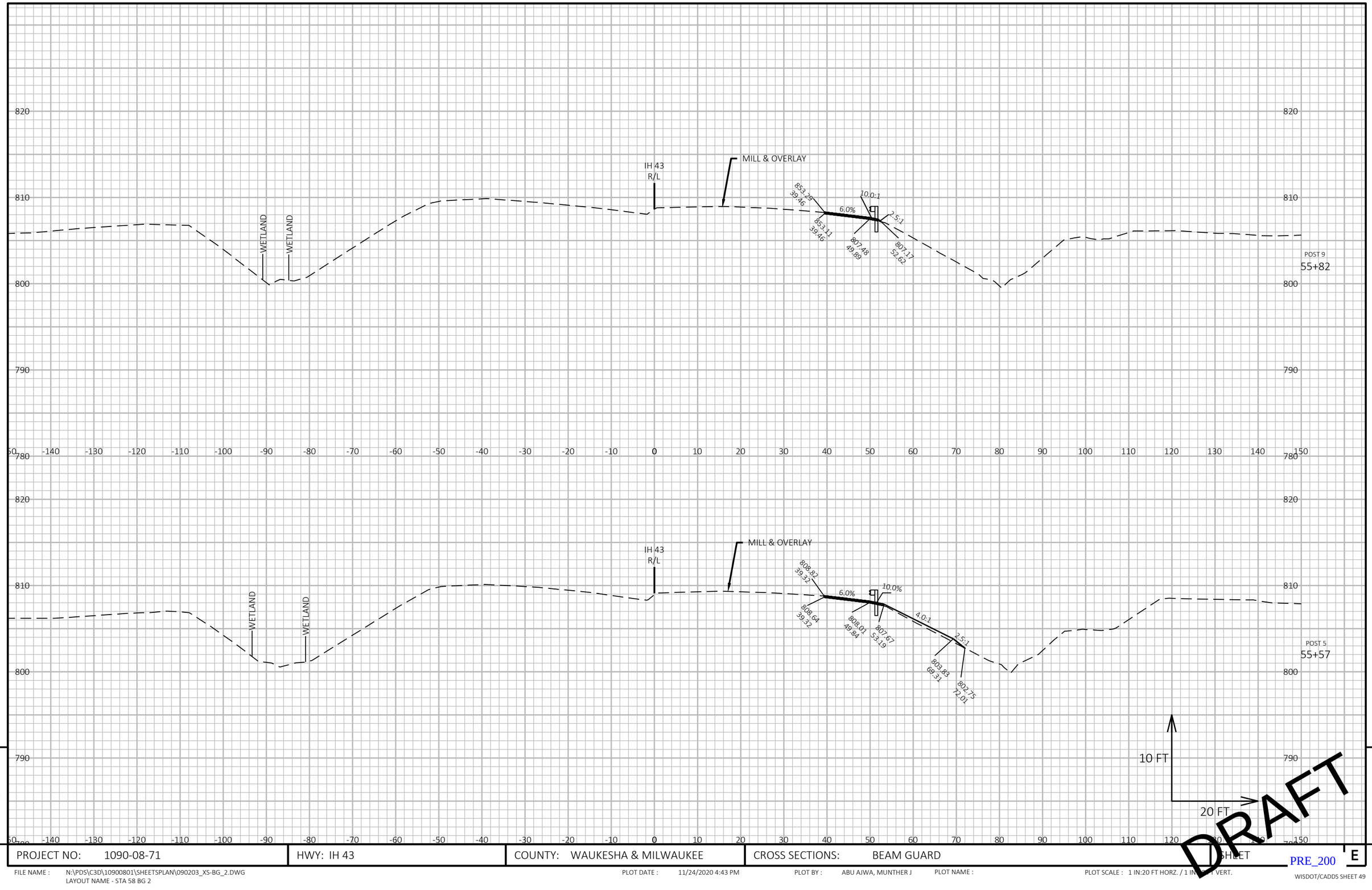
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_199

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 58 BG 1

PLOT DATE : 11/24/2020 4:42 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

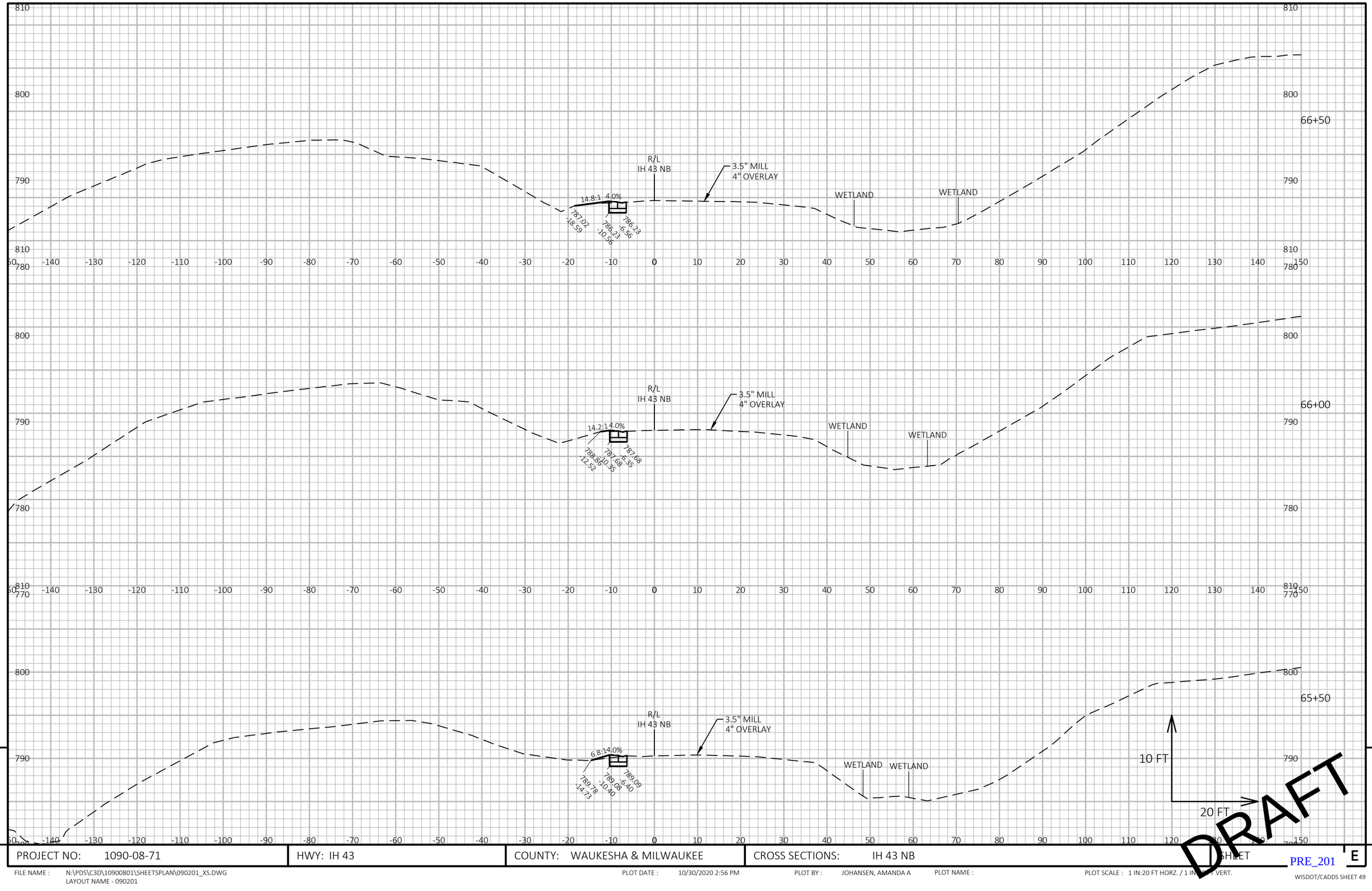
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_200

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 58 BG 2

PLOT DATE : 11/24/2020 4:43 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 NB	SHEET E

PRE_201

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201

PLOT DATE : 10/30/2020 2:56 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49

10 FT

20 FT

800
790
780
770
810
800
790
780
770

R/L
IH 43 SB

3.5" MILL
4" OVERLAY

4.0%

3.0:1

789.73
47.28

791.10
39.18

791.10
35.18

WETLAND

WETLAND

66+00

R/L
IH 43 SB

3.5" MILL
4" OVERLAY

4.0%

3.0:1

790.94
44.12

791.28
39.11

791.28
35.11

WETLAND

WETLAND

65+50

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9

9

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET	E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090202

PLOT DATE : 10/30/2020 5:13 PM

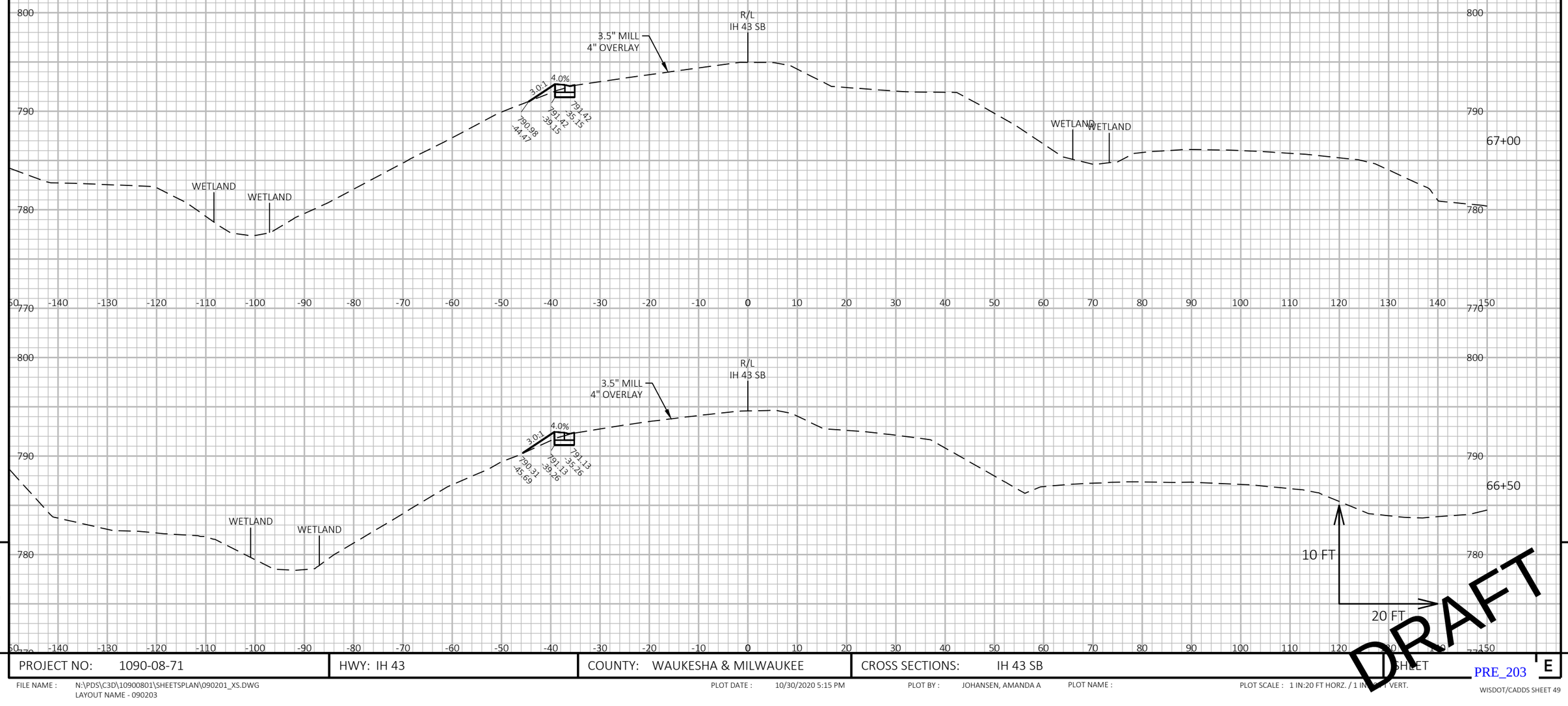
PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_202

WISDOT/CADDS SHEET 49



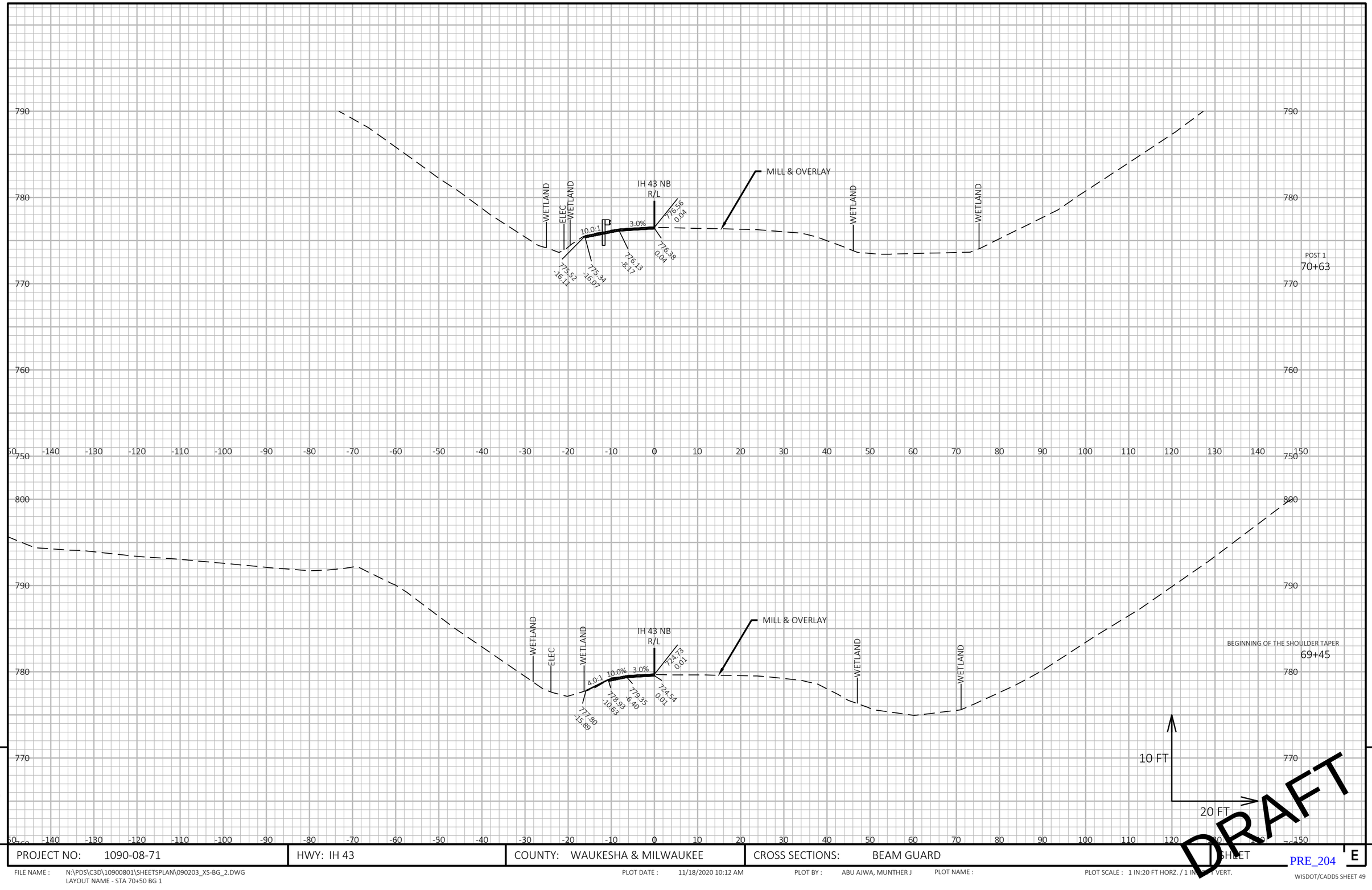
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090203

PLOT DATE : 10/30/2020 5:15 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_203

WISDOT/CADDS SHEET 49



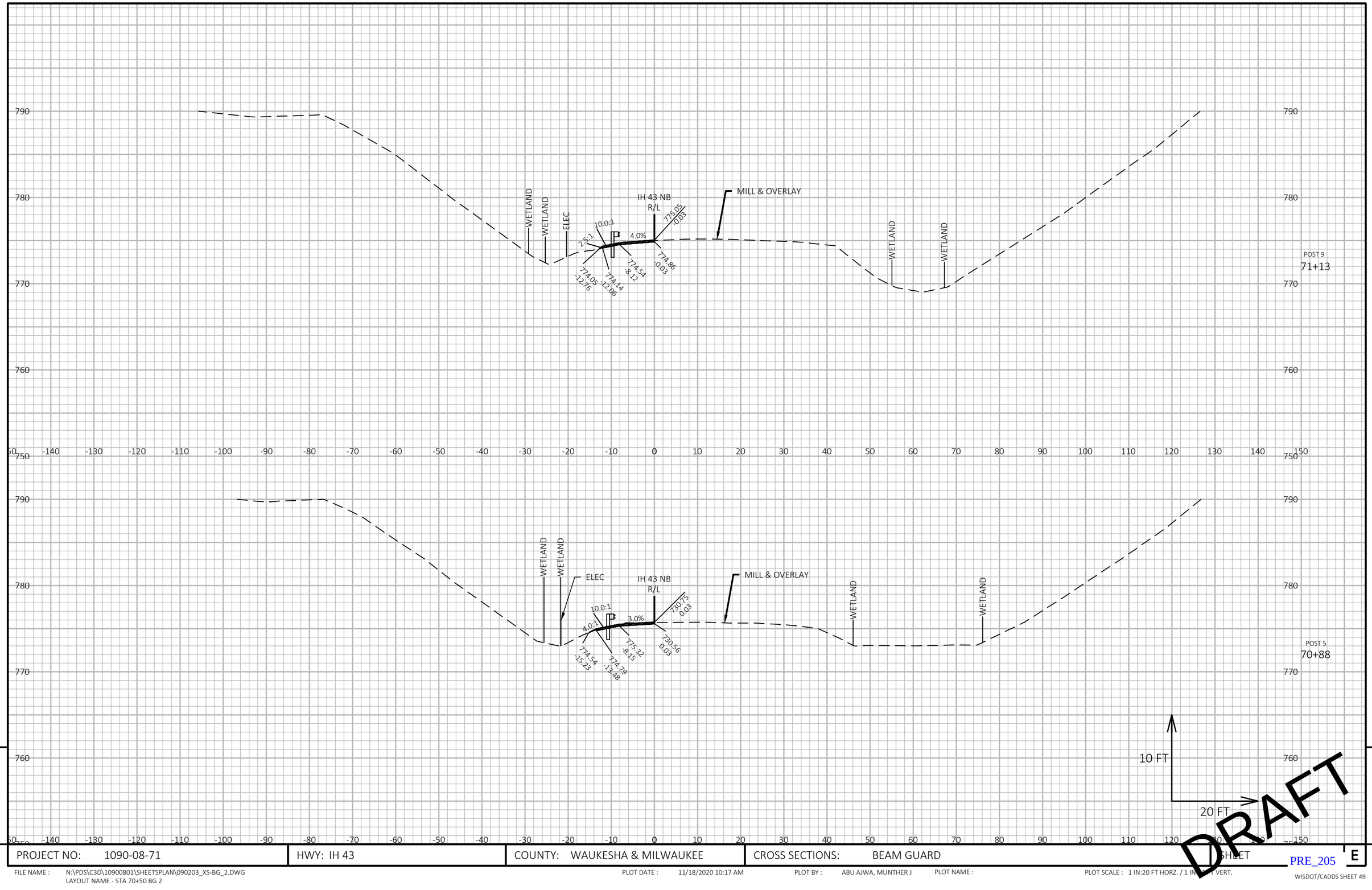
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_204

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 70+50 BG 1

PLOT DATE : 11/18/2020 10:12 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9 9

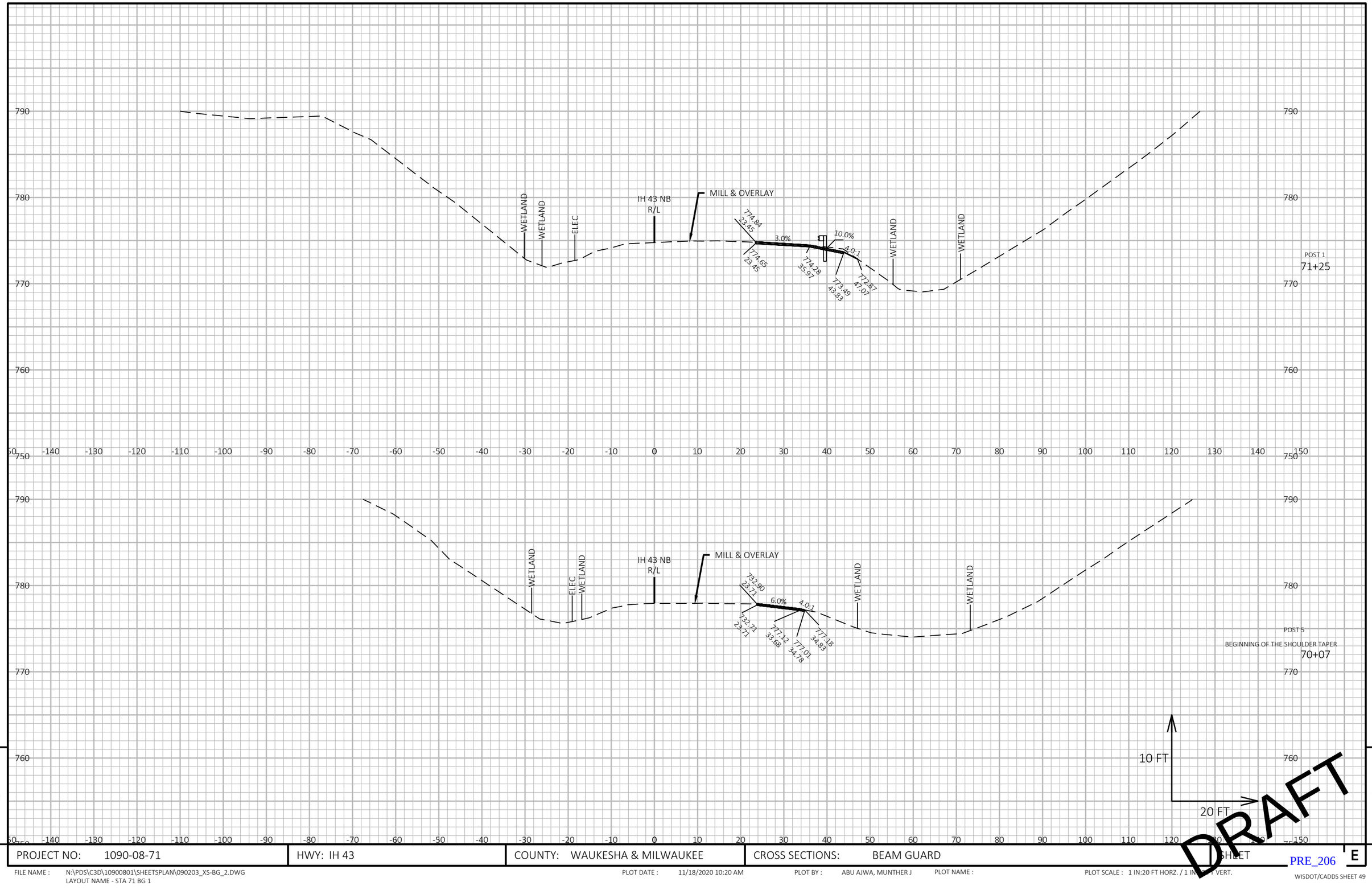
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_205

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 70+50 BG 2

PLOT DATE : 11/18/2020 10:17 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9 9

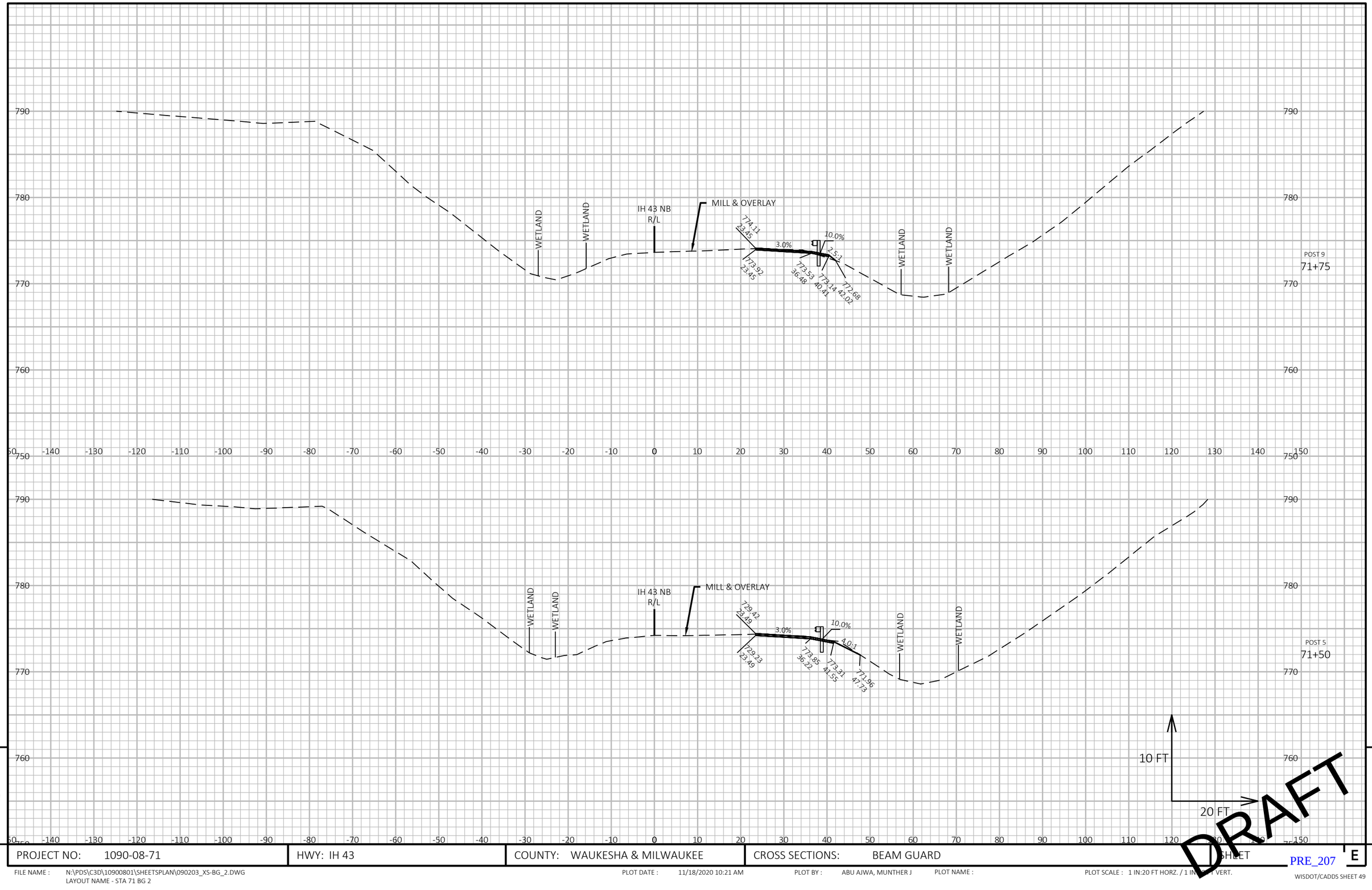
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_206

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 71 BG 1

PLOT DATE : 11/18/2020 10:20 AM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_207

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 71 BG 2

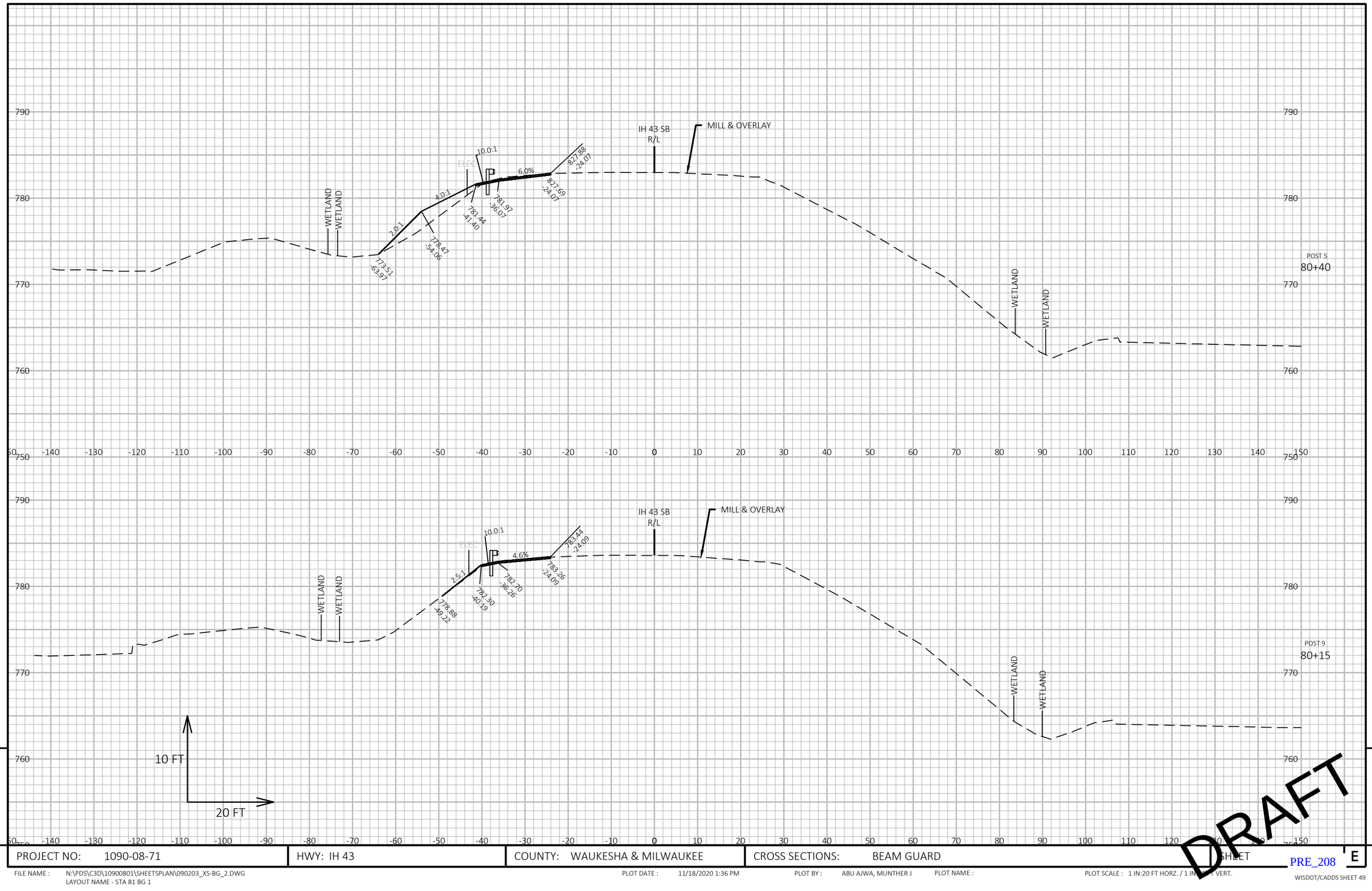
PLOT DATE : 11/18/2020 10:21 AM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71 | HWY: IH 43 | COUNTY: WAUKESHA & MILWAUKEE | CROSS SECTIONS: BEAM GUARD | SHEET E

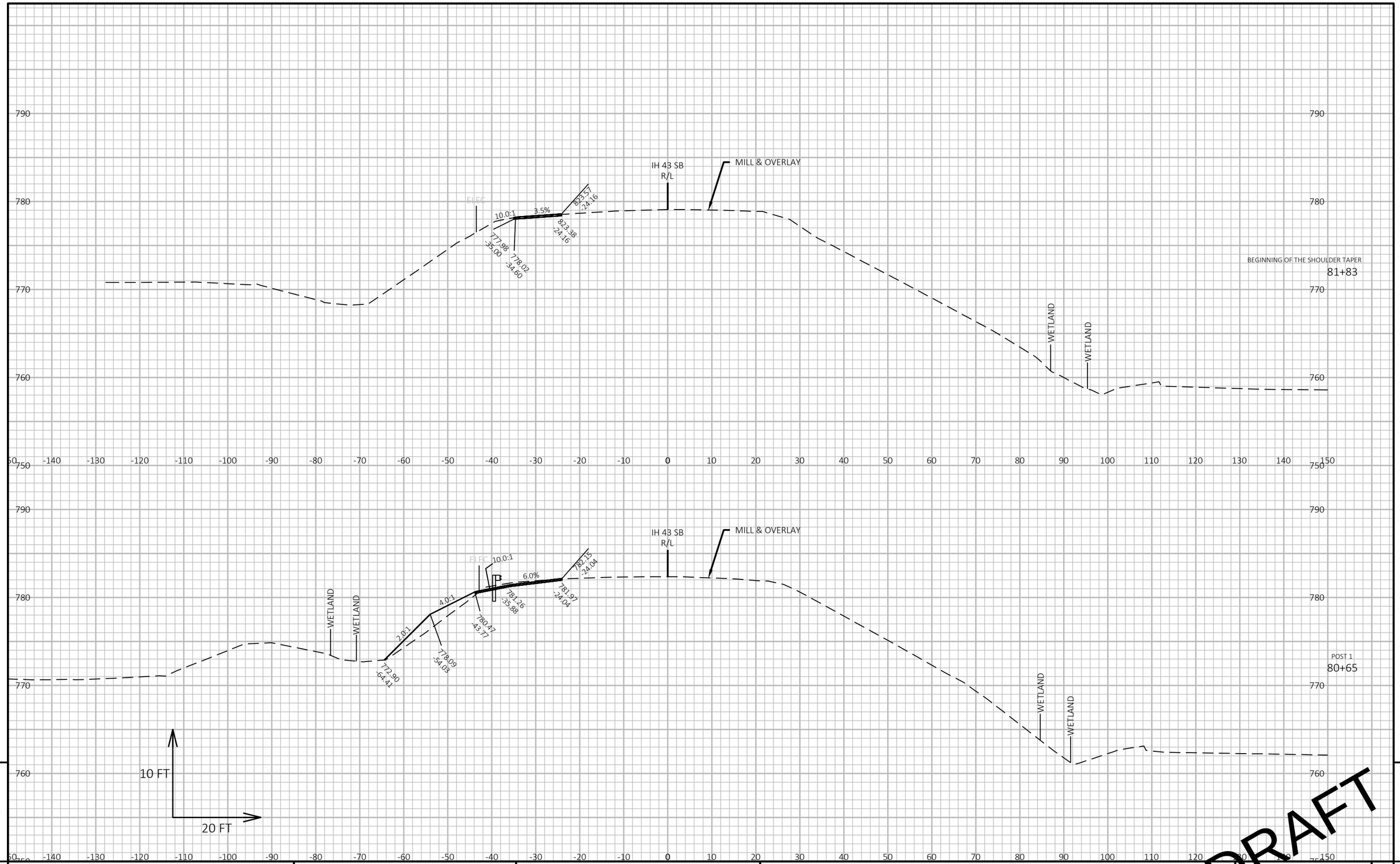
DRAFT

PRE_208

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 81 BG 1

PLOT DATE : 11/18/2020 1:36 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

9

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_209

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 81 BG 2

PLOT DATE : 11/18/2020 1:33 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49

780
770
760
750
780
770
760
750

R/L
IH 43 SB

3.5" MILL
4" OVERLAY

4.0%
-3.0-
769.57
-52.72
769.57
-50.96
768.82
-50.96
768.82
-46.96

84+00

WETLAND
WETLAND

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

780
770
760
750

R/L
IH 43 SB

3.5" MILL
4" OVERLAY

4.0%
-3.0-
770.98
-53.98
770.98
-50.89
770.69
-50.89
770.69
-46.88

83+50

WETLAND
WETLAND

10 FT
20 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

DRAFT

9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090204

PLOT DATE : 10/30/2020 5:18 PM

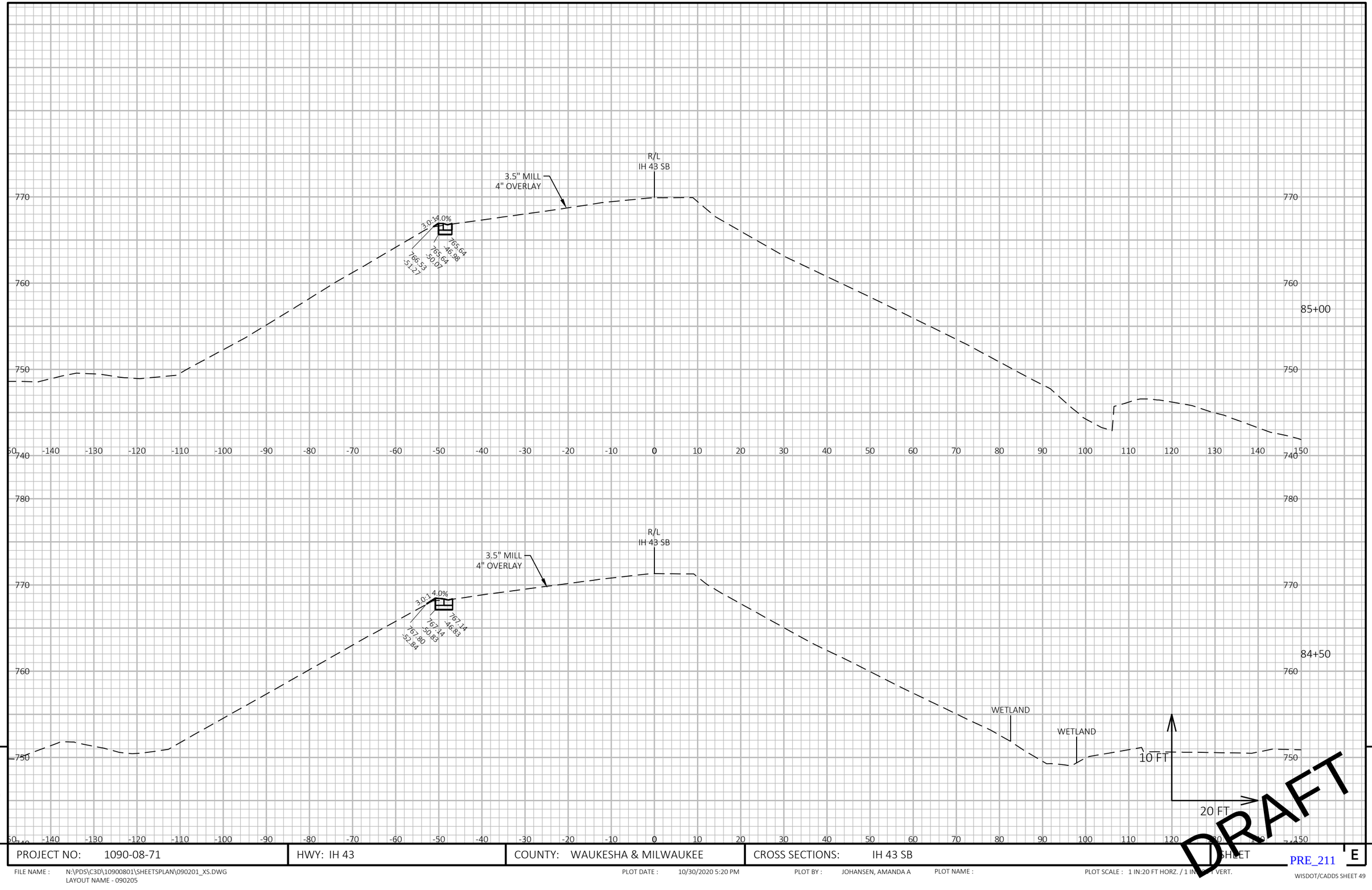
PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_210

WISDOT/CADDS SHEET 49



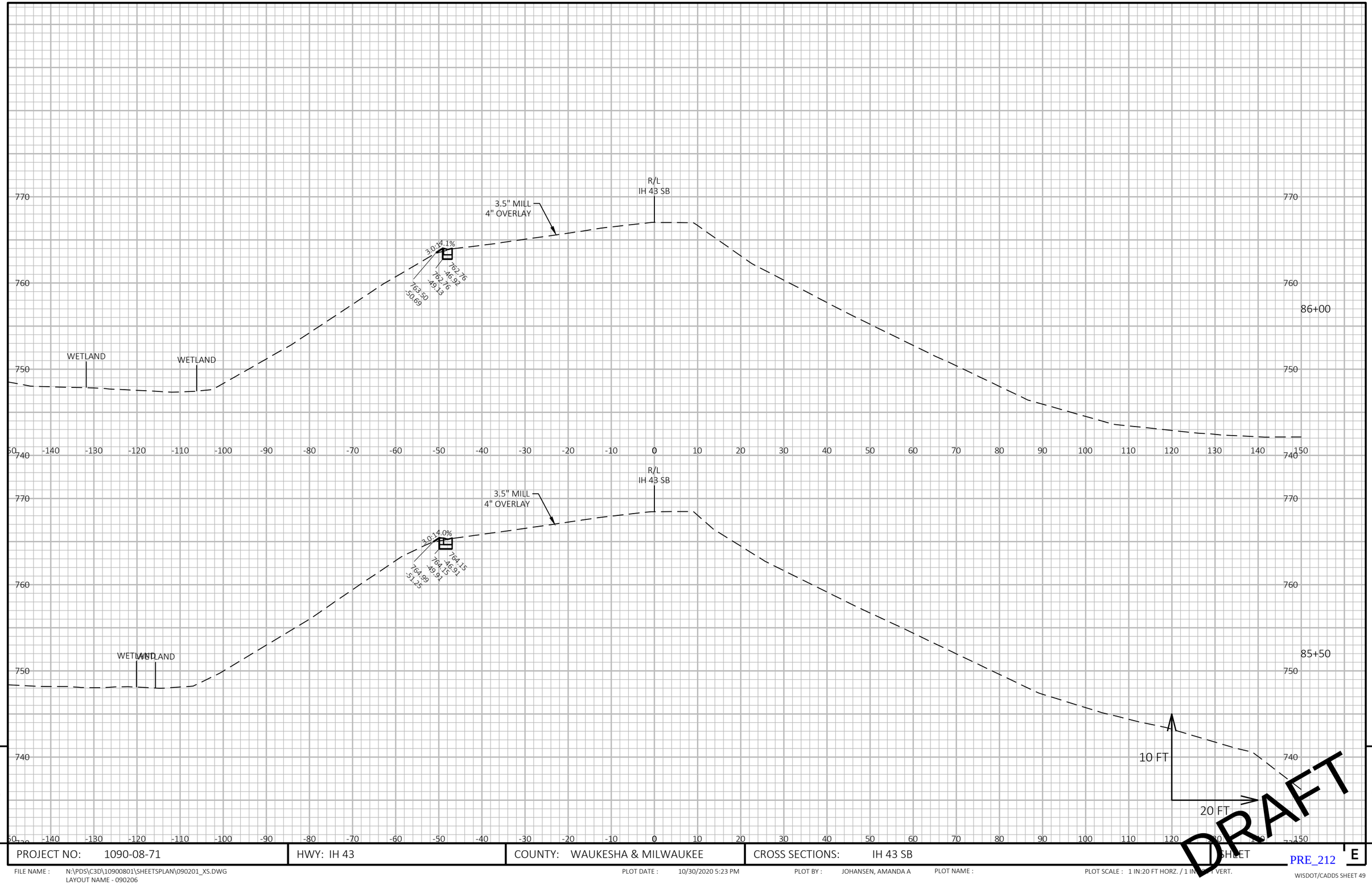
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090205

PLOT DATE : 10/30/2020 5:20 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: FT VERT.

PRE_211

WISDOT/CADDS SHEET 49



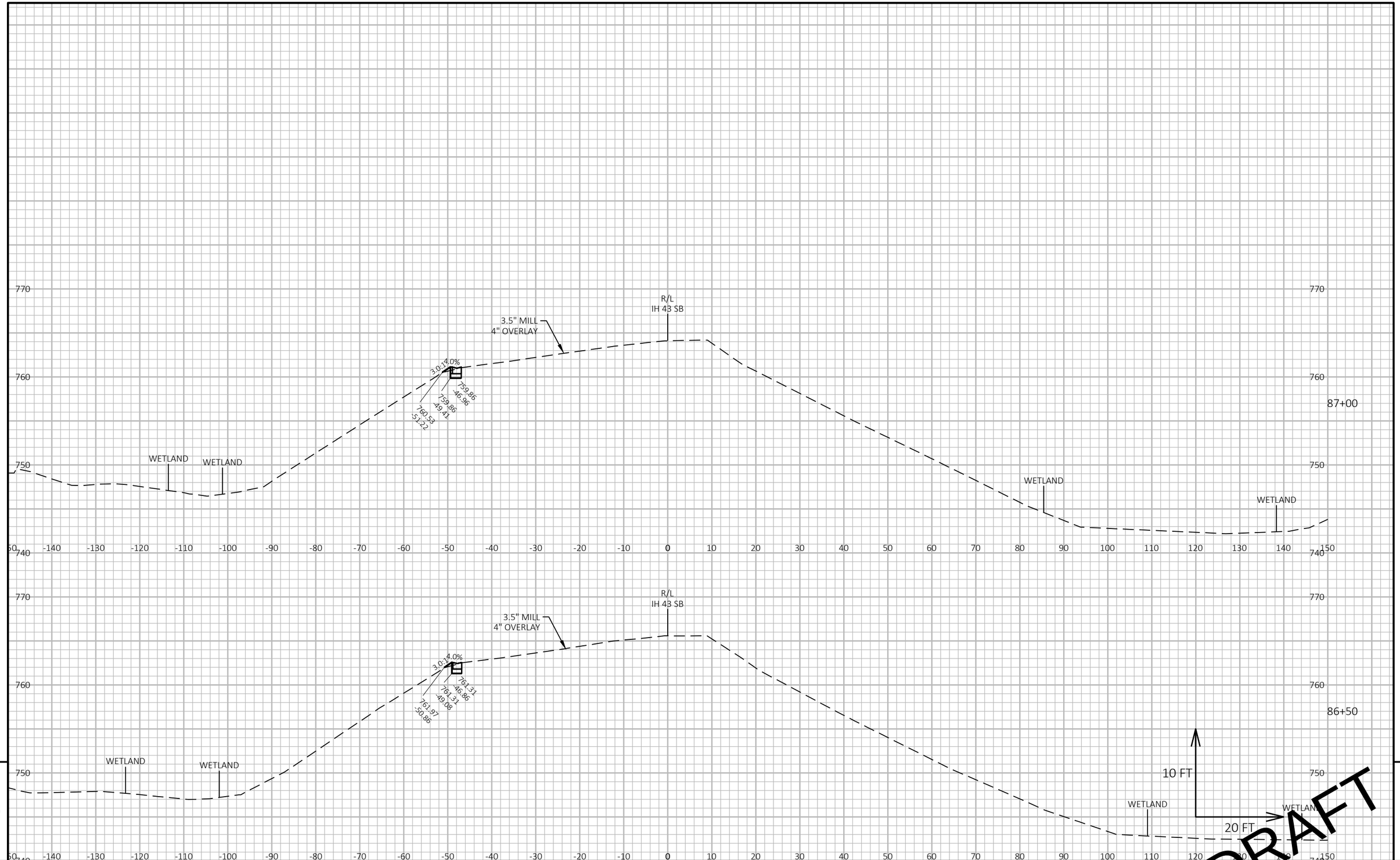
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

PRE_212

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090206

PLOT DATE : 10/30/2020 5:23 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



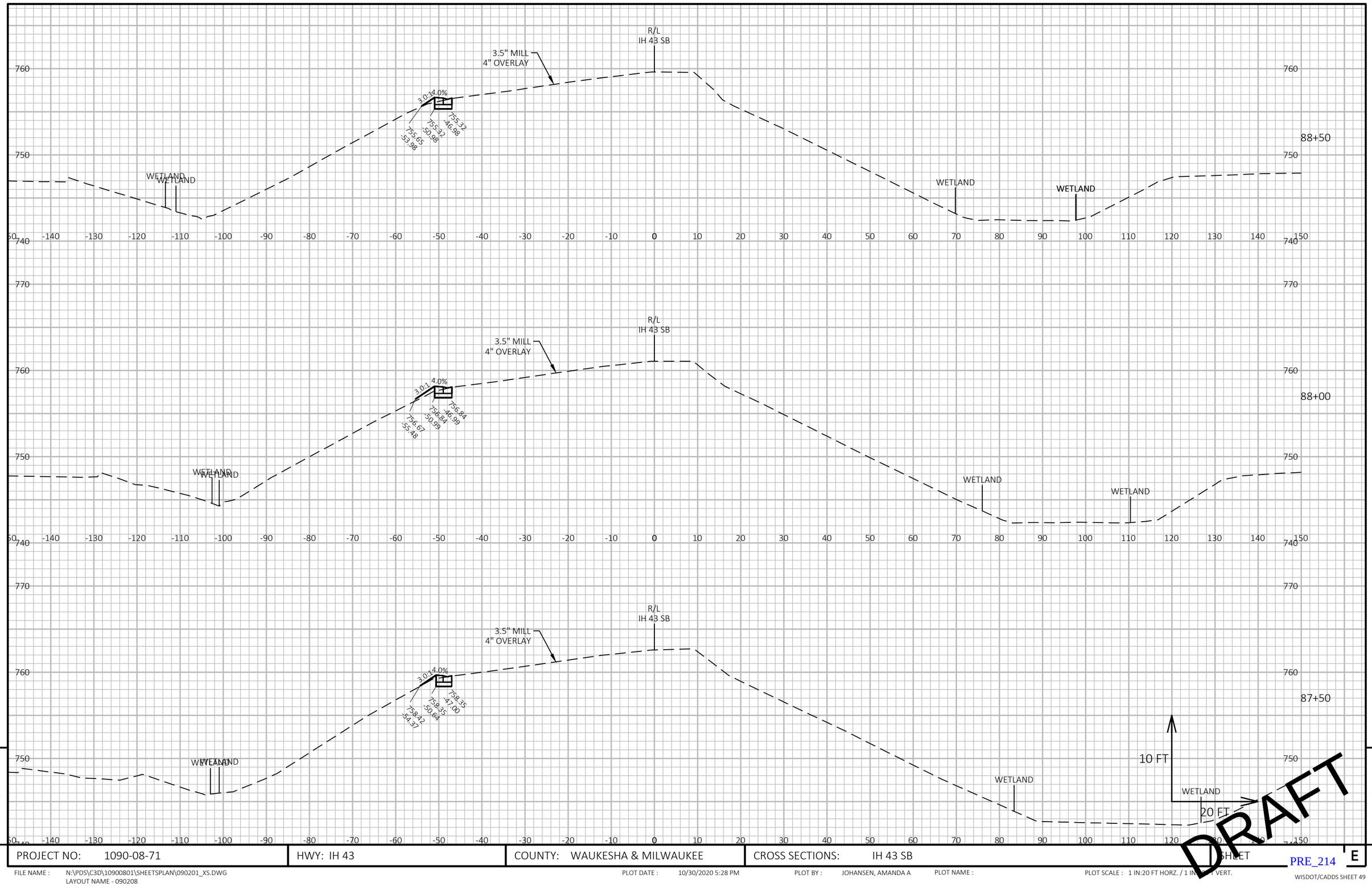
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

PRE_213

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090207

PLOT DATE : 10/30/2020 5:26 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

PRE_214

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090208

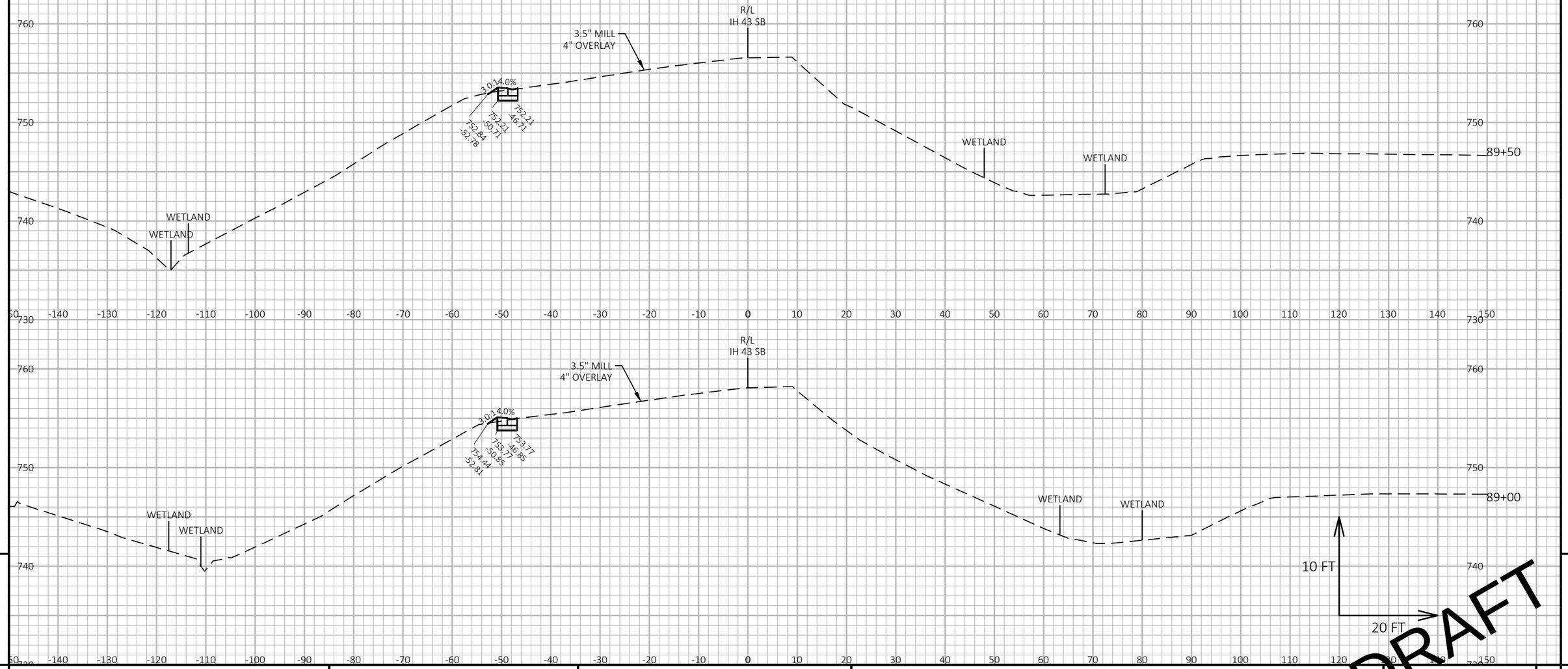
PLOT DATE : 10/30/2020 5:28 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: IH 43 SB	SHEET E

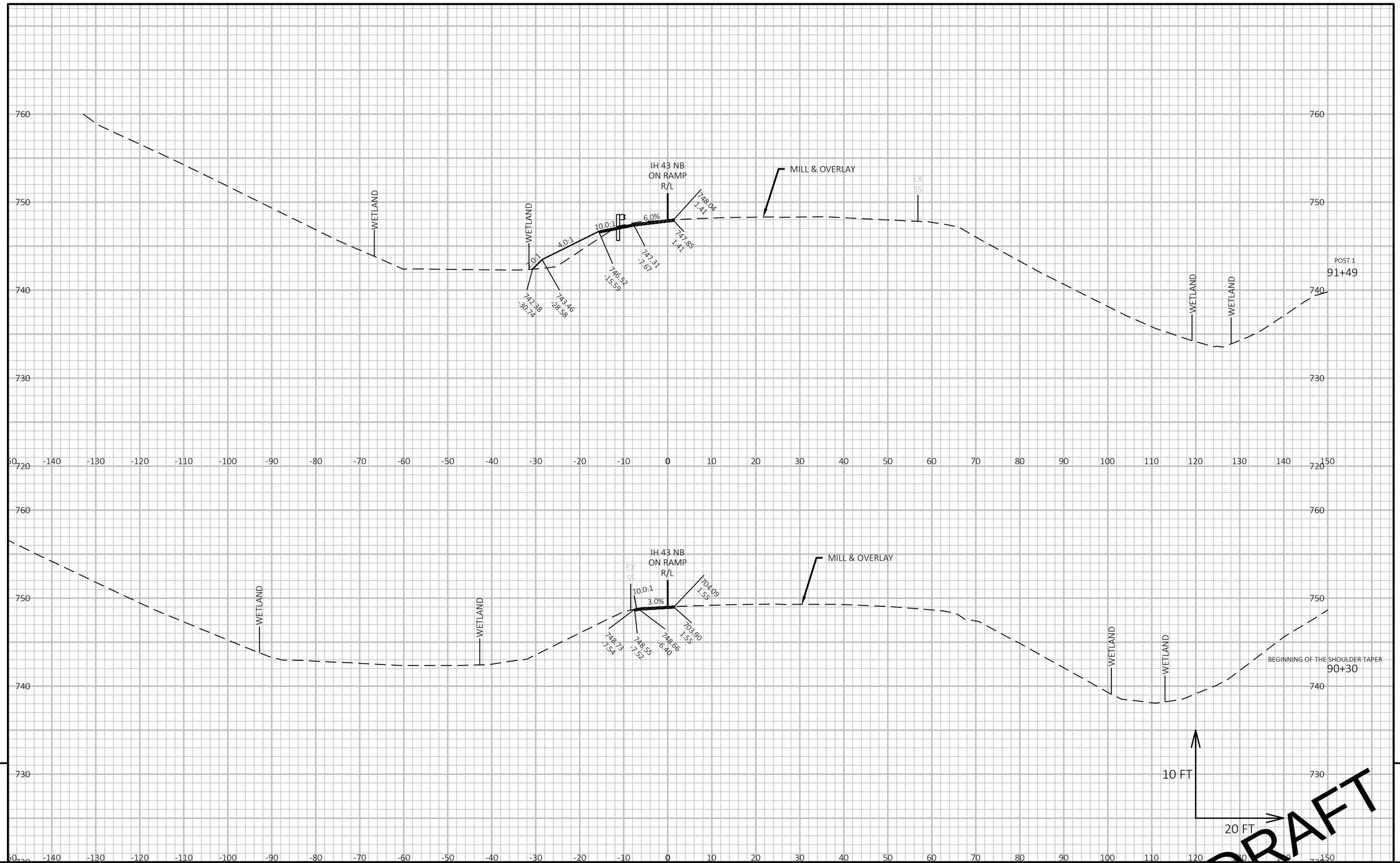
PRE_215

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090209

PLOT DATE : 10/30/2020 5:31 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49

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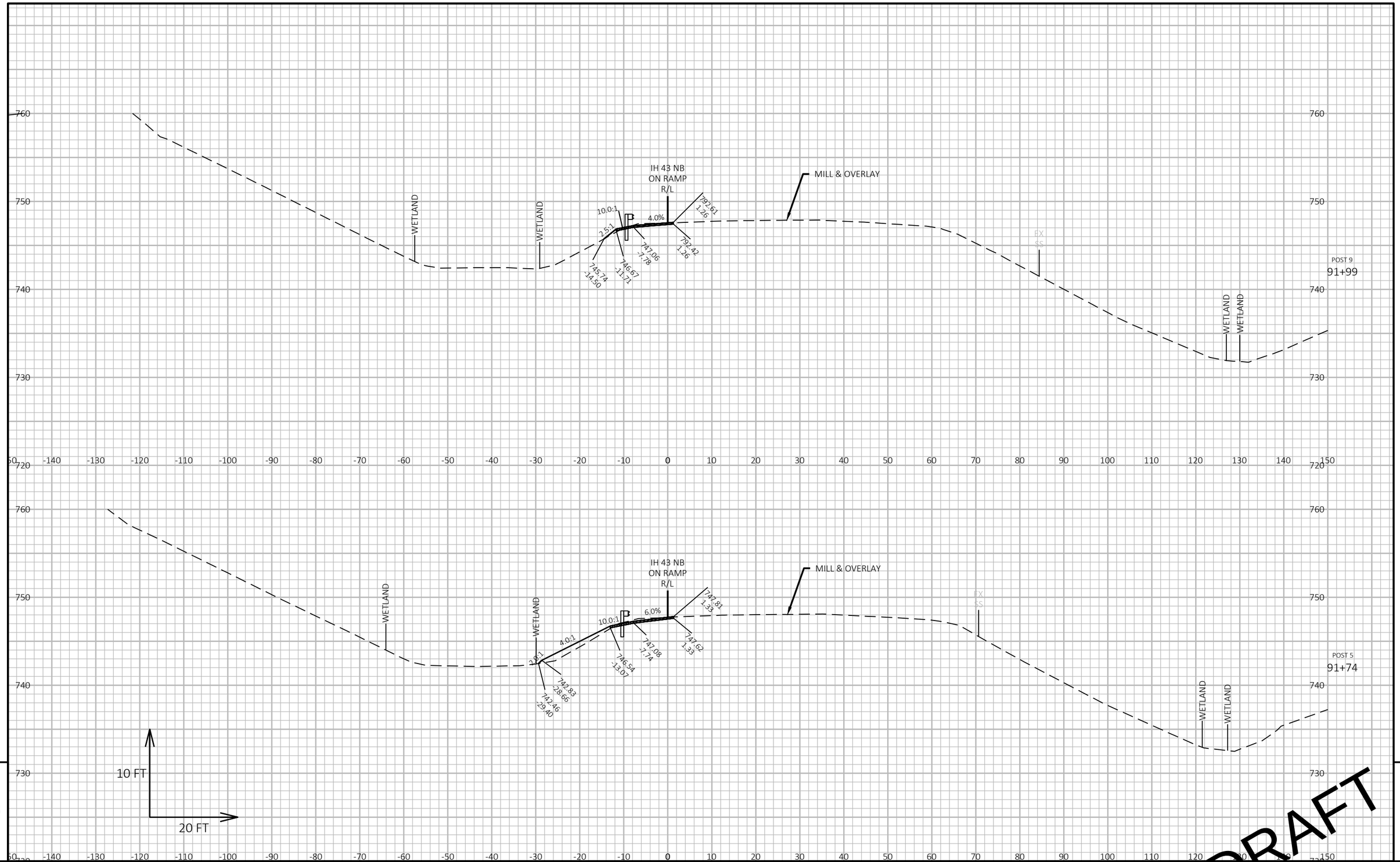
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_216

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 91+50 BG 1

PLOT DATE : 11/18/2020 3:26 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



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DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_217 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 91+50 BG 2

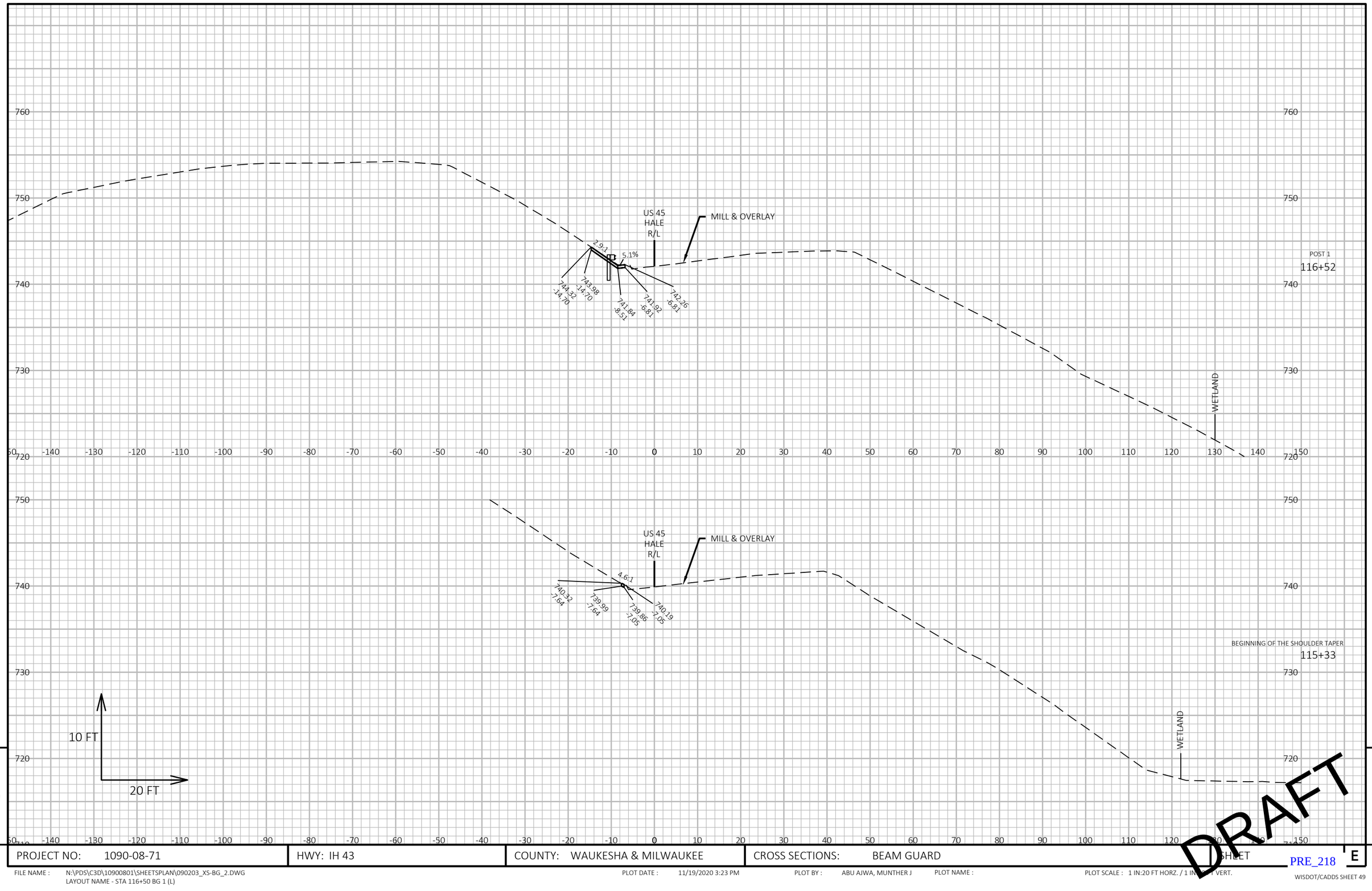
PLOT DATE : 11/18/2020 3:27 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 116+50 BG 1 (L)

PLOT DATE : 11/19/2020 3:23 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_218

760
750
740
730
720

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

US 45
HALE
R/L

MILL & OVERLAY

10.5:1

3.0%

743.35
-11.21

743.02
-11.21

742.83
-9.29

742.89
-7.29

743.23
-7.31

POST 9
117+02

760
750
740
730
720

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

US 45
HALE
R/L

MILL & OVERLAY

3.2:1

1.5%

688.73
-12.31

743.40
-12.31

743.40
-9.09

697.43
-6.99

697.77
-6.99

POST 5
116+77

10 FT

20 FT

WETLAND

DRAFT

9

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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_219

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 116+50 BG 2 (L)

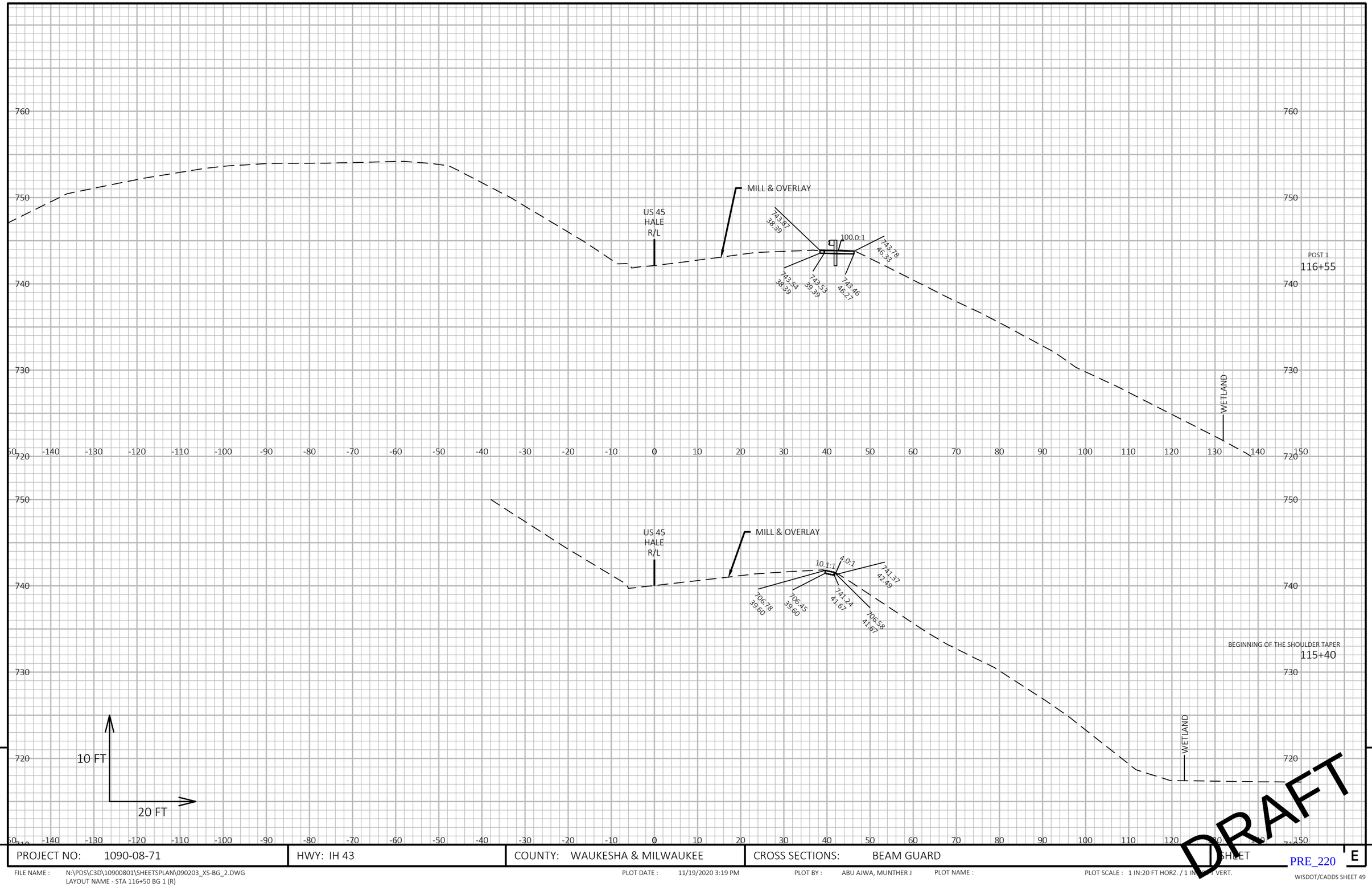
PLOT DATE : 11/19/2020 3:25 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_220

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 116+50 BG 1 (R)

PLOT DATE : 11/19/2020 3:19 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

760
750
740
730
720

US 45
HALE
R/L

MILL & OVERLAY

1.0%

744.71
36.87

744.36
37.87

744.33
40.76

744.67
40.99

POST 9
117+03

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

760
750
740
730
720

US 45
HALE
R/L

MILL & OVERLAY

3.0%

744.04
43.14

699.22
37.64

743.86
38.64

743.73
42.99

POST 5
116+79

10 FT

20 FT

-140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9

9

DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

PRE_221

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 116+50 BG 2 (R)

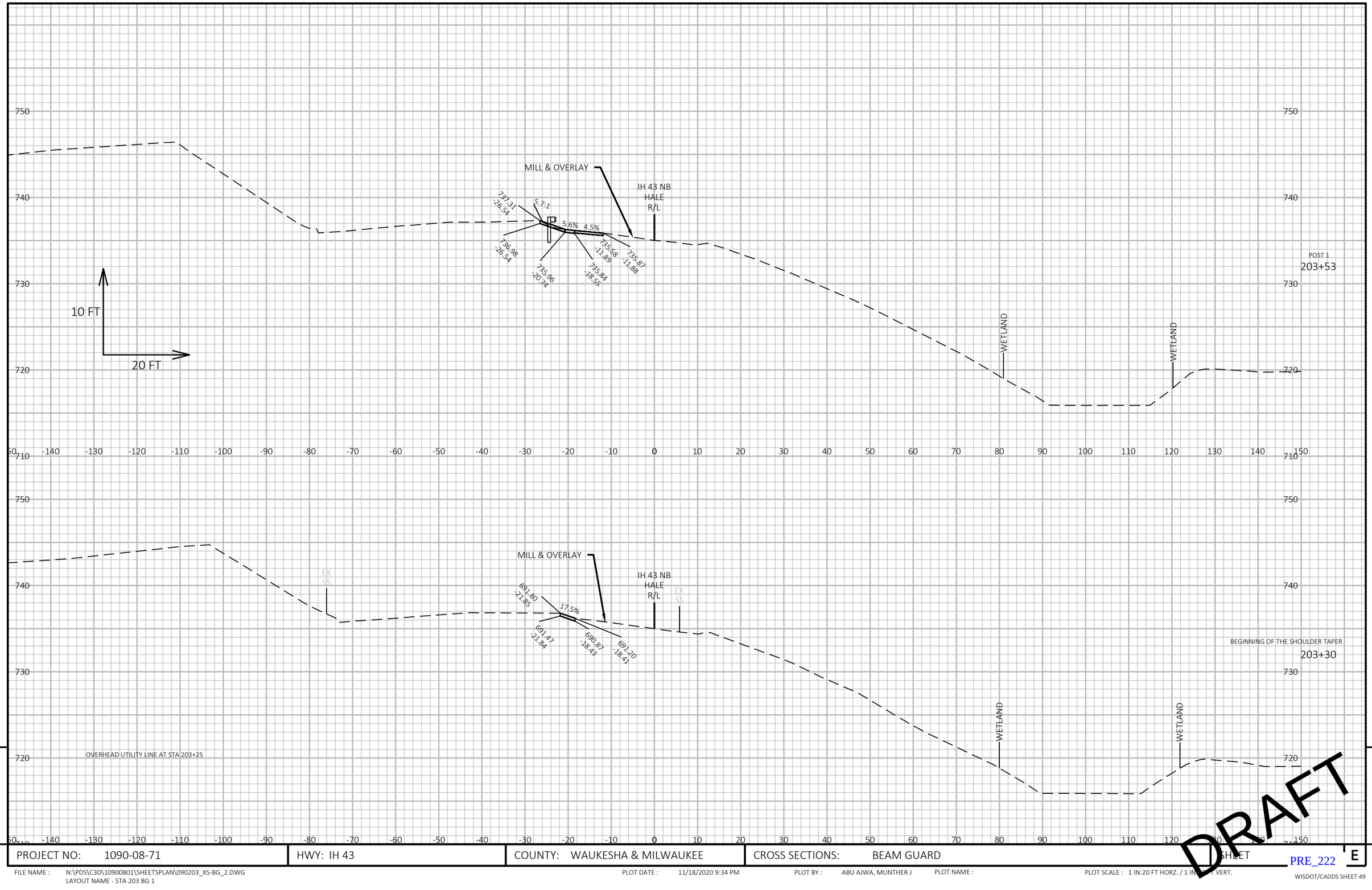
PLOT DATE : 11/22/2020 1:29 AM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



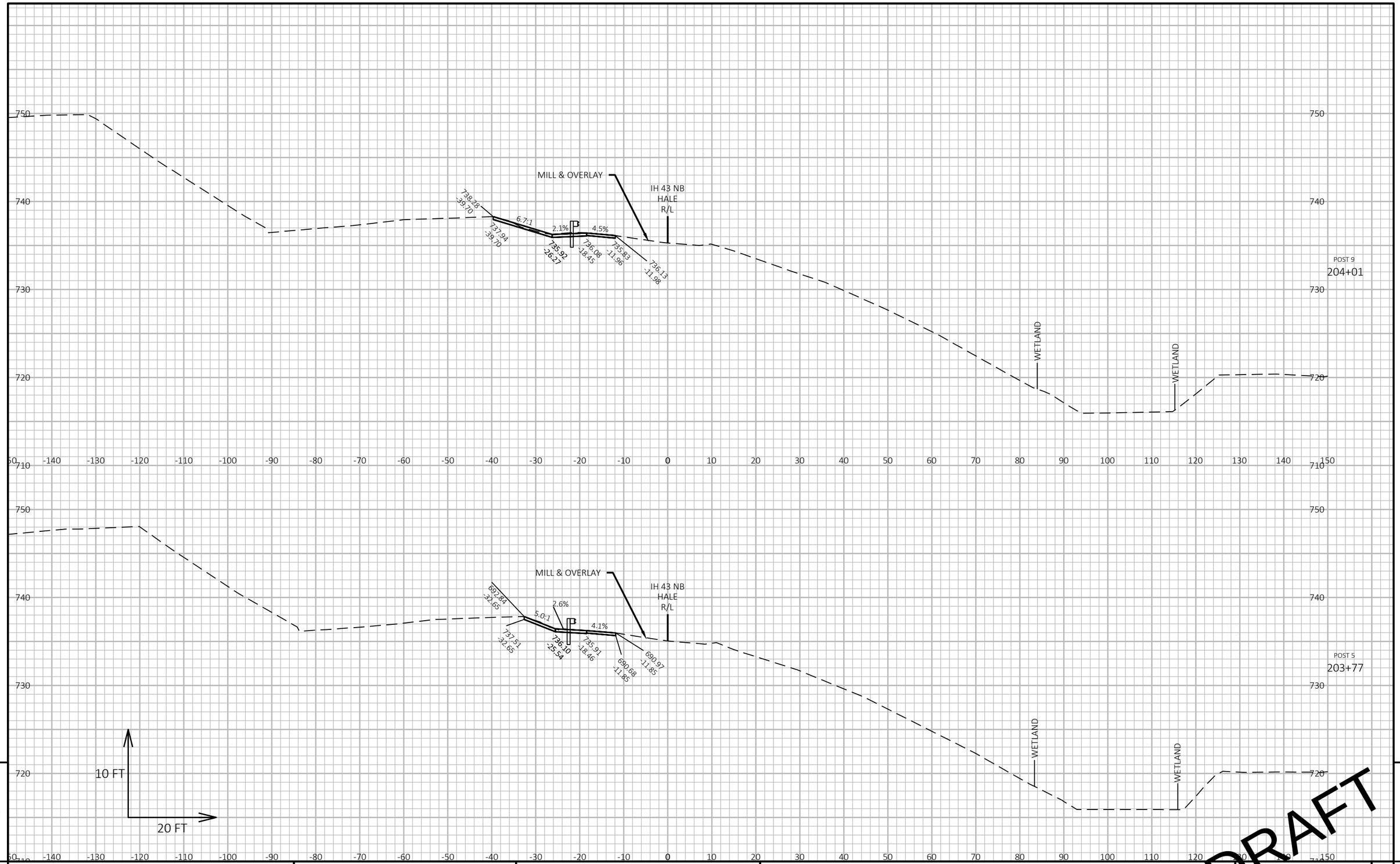
DRAFT

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET PRE_222 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 203 BG 1

PLOT DATE : 11/18/2020 9:34 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49

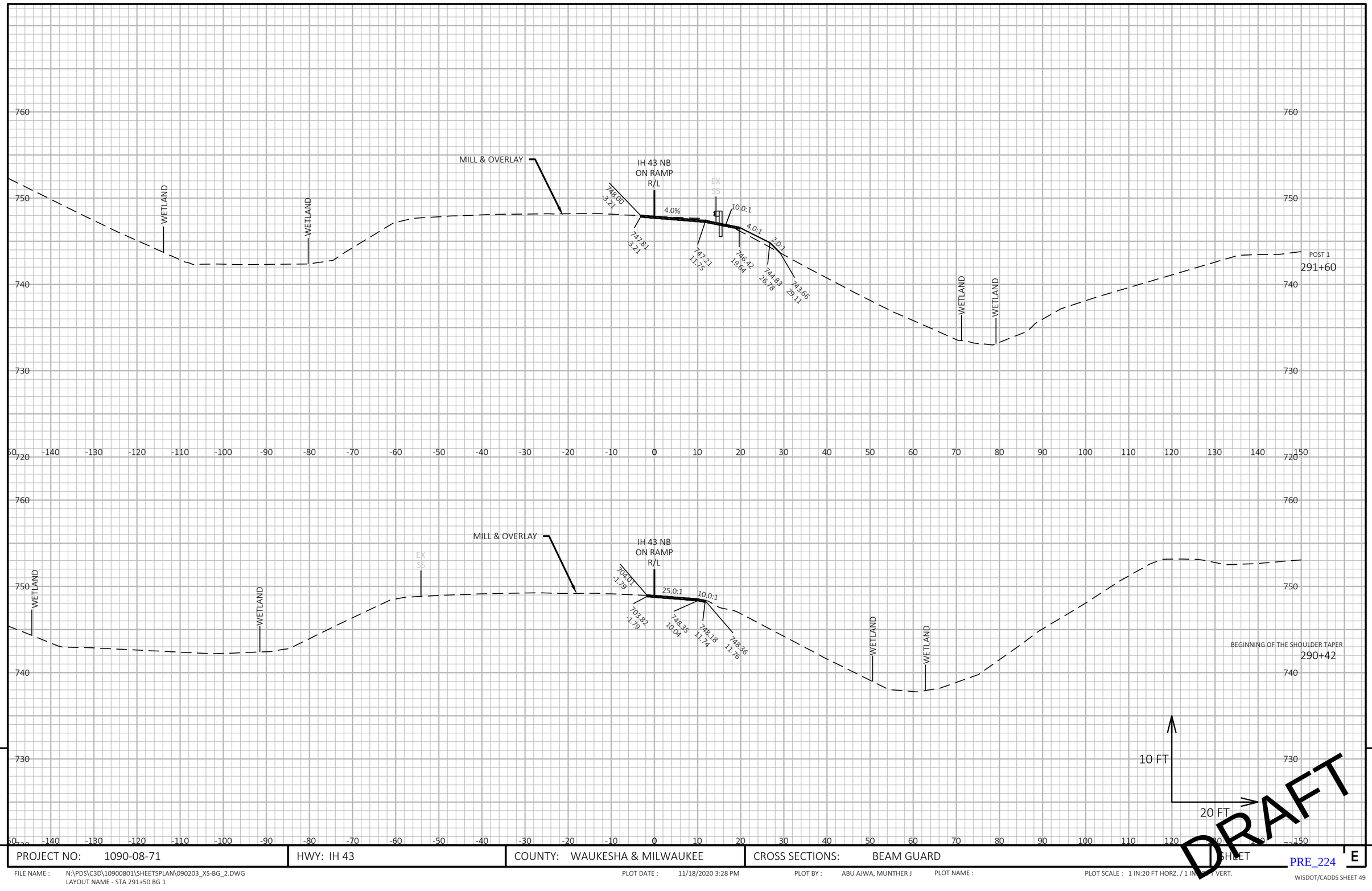


PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET
				PRE_223 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 203 BG 2

PLOT DATE : 11/18/2020 9:37 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN: VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

PRE_224

E

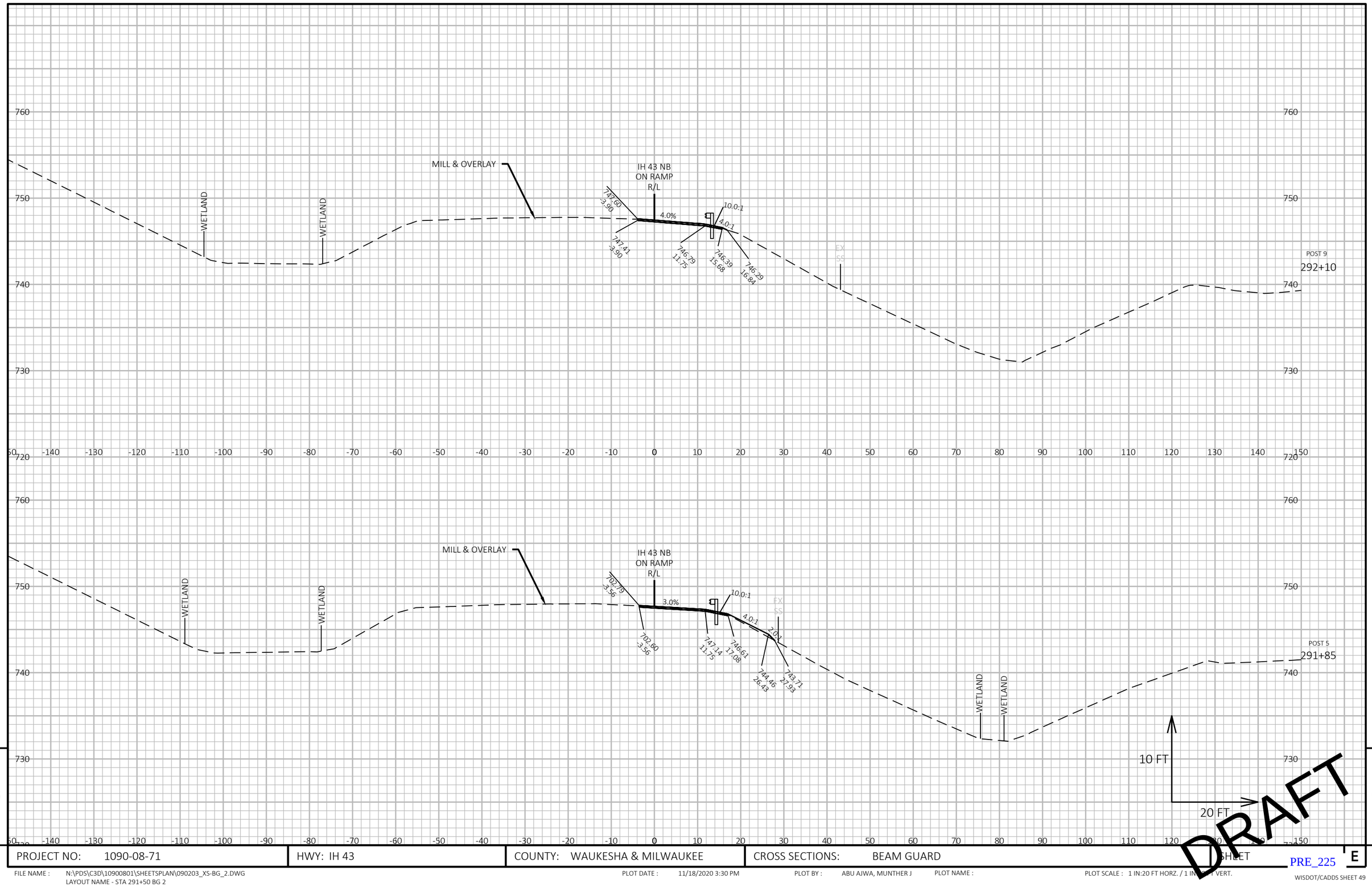
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 291+50 BG 1

PLOT DATE : 11/18/2020 3:28 PM

PLOT BY : ABU AJWA, MUNTHER J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.



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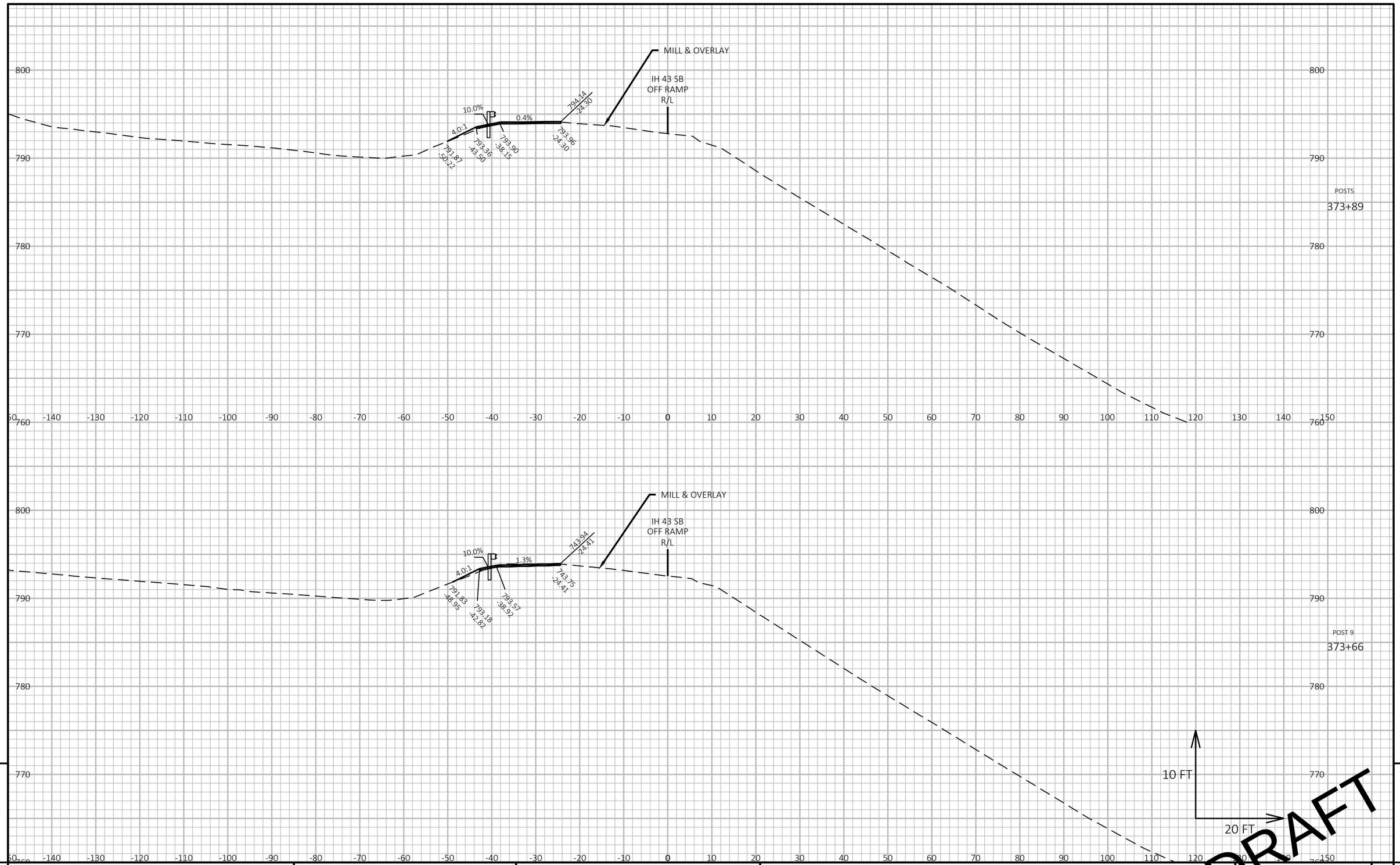
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 291+50 BG 2

PLOT DATE : 11/18/2020 3:30 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

PRE_225

WISDOT/CADDS SHEET 49



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9

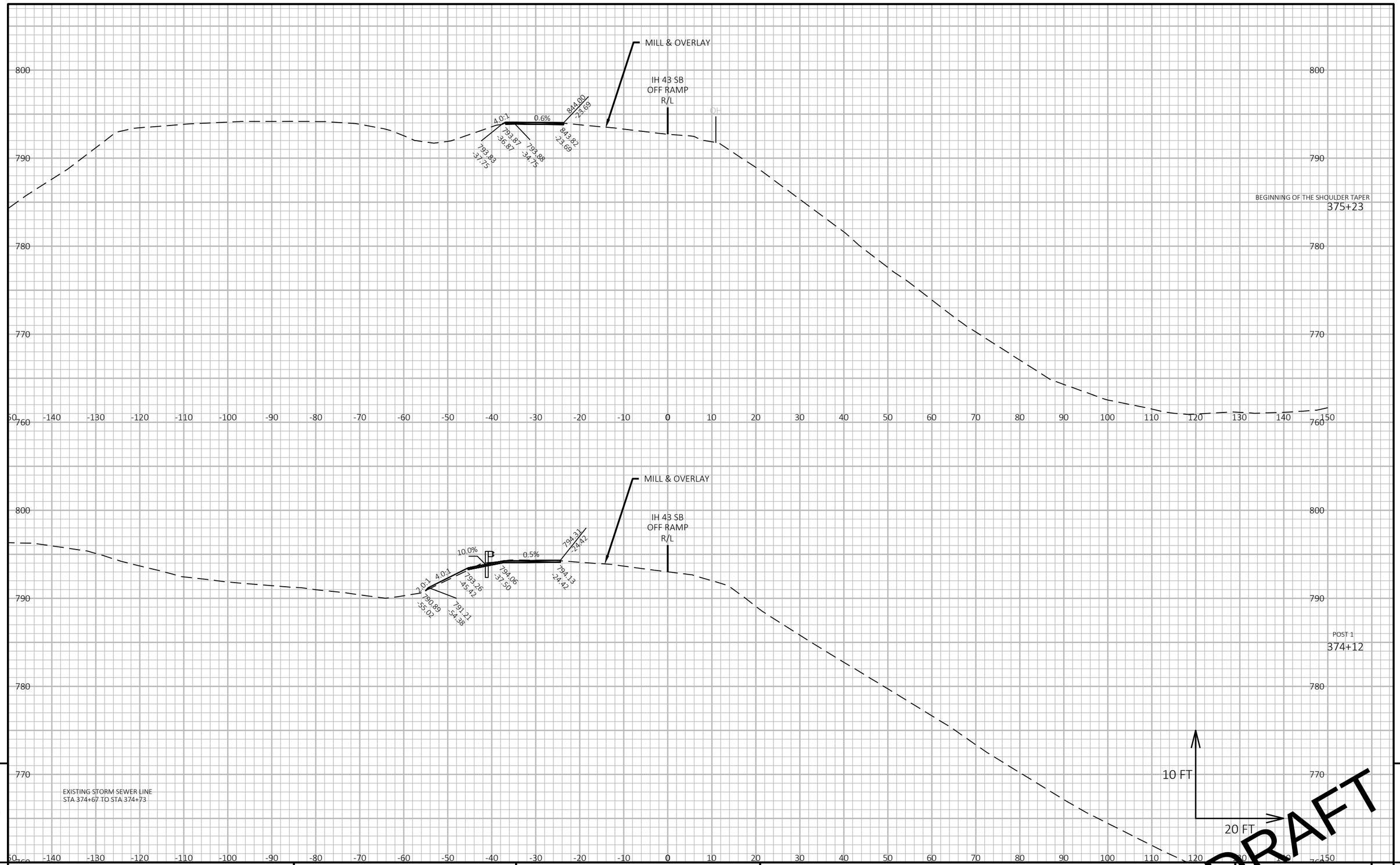
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET	E

PRE_226

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 374 BG 1

PLOT DATE : 11/25/2020 10:18 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: BEAM GUARD	SHEET

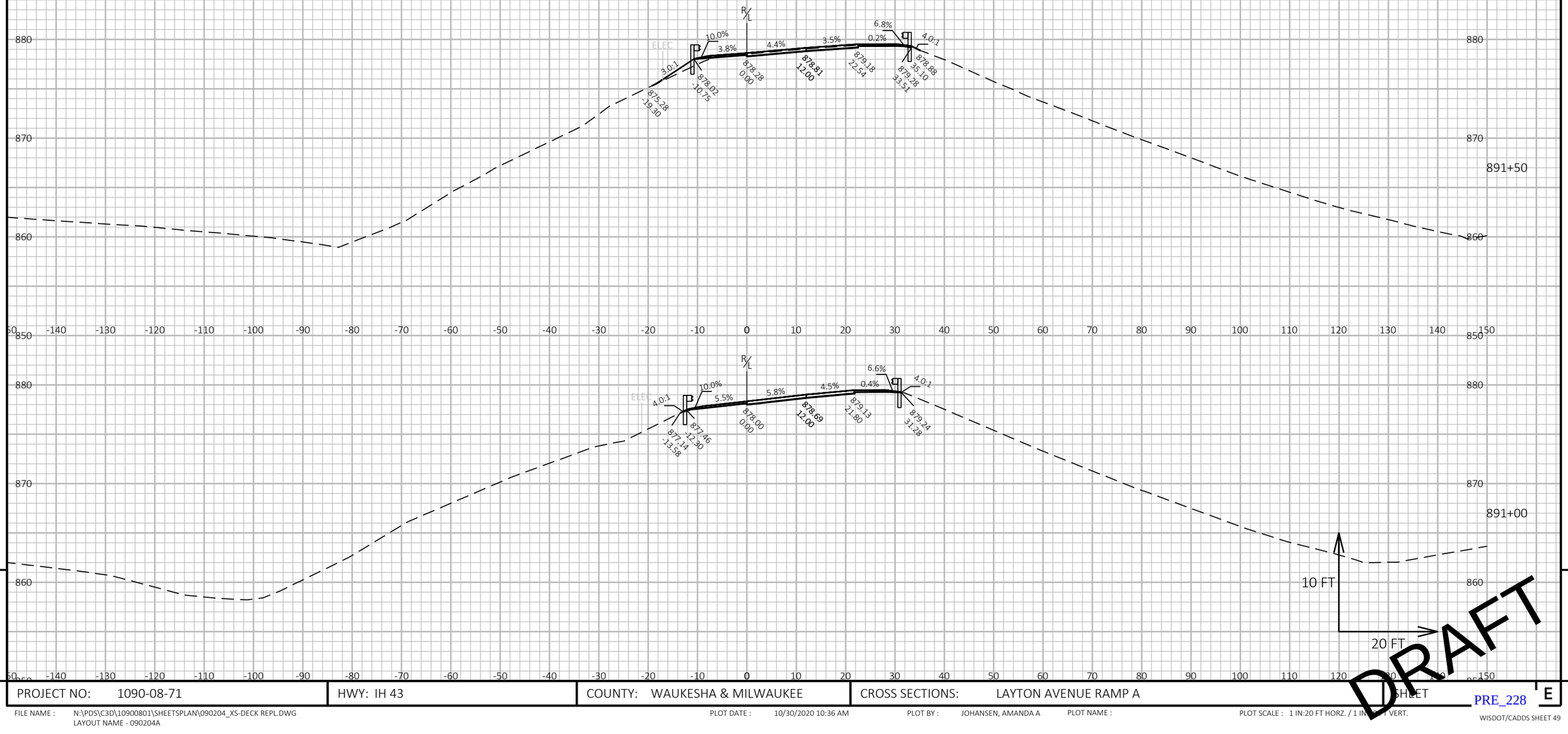
PRE_227

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090203_XS-BG_2.DWG
LAYOUT NAME - STA 374 BG 2

PLOT DATE : 11/25/2020 10:19 PM PLOT BY : ABU AJWA, MUNTHER J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49



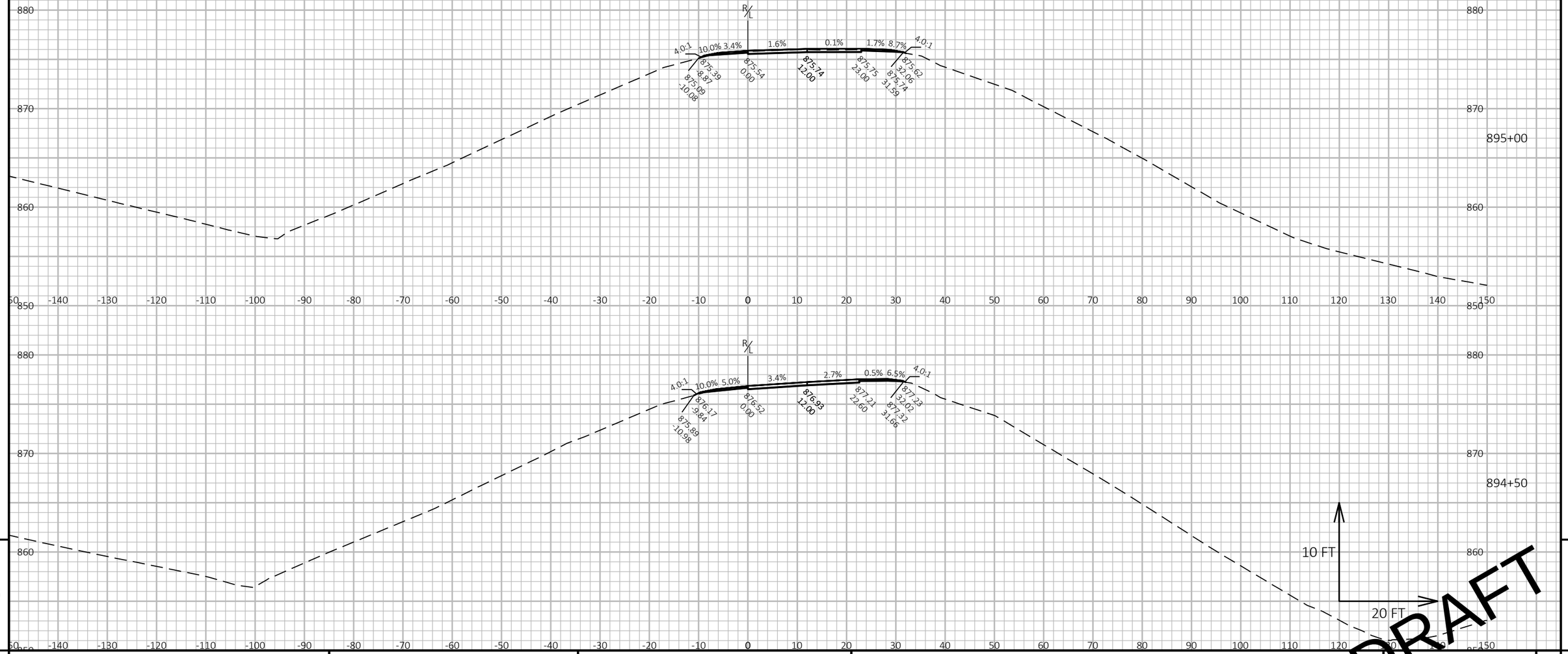
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: LAYTON AVENUE RAMP A	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090204_XS-DECK REPL.DWG
LAYOUT NAME - 090204A

PLOT DATE : 10/30/2020 10:36 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_228

WISDOT/CADDS SHEET 49



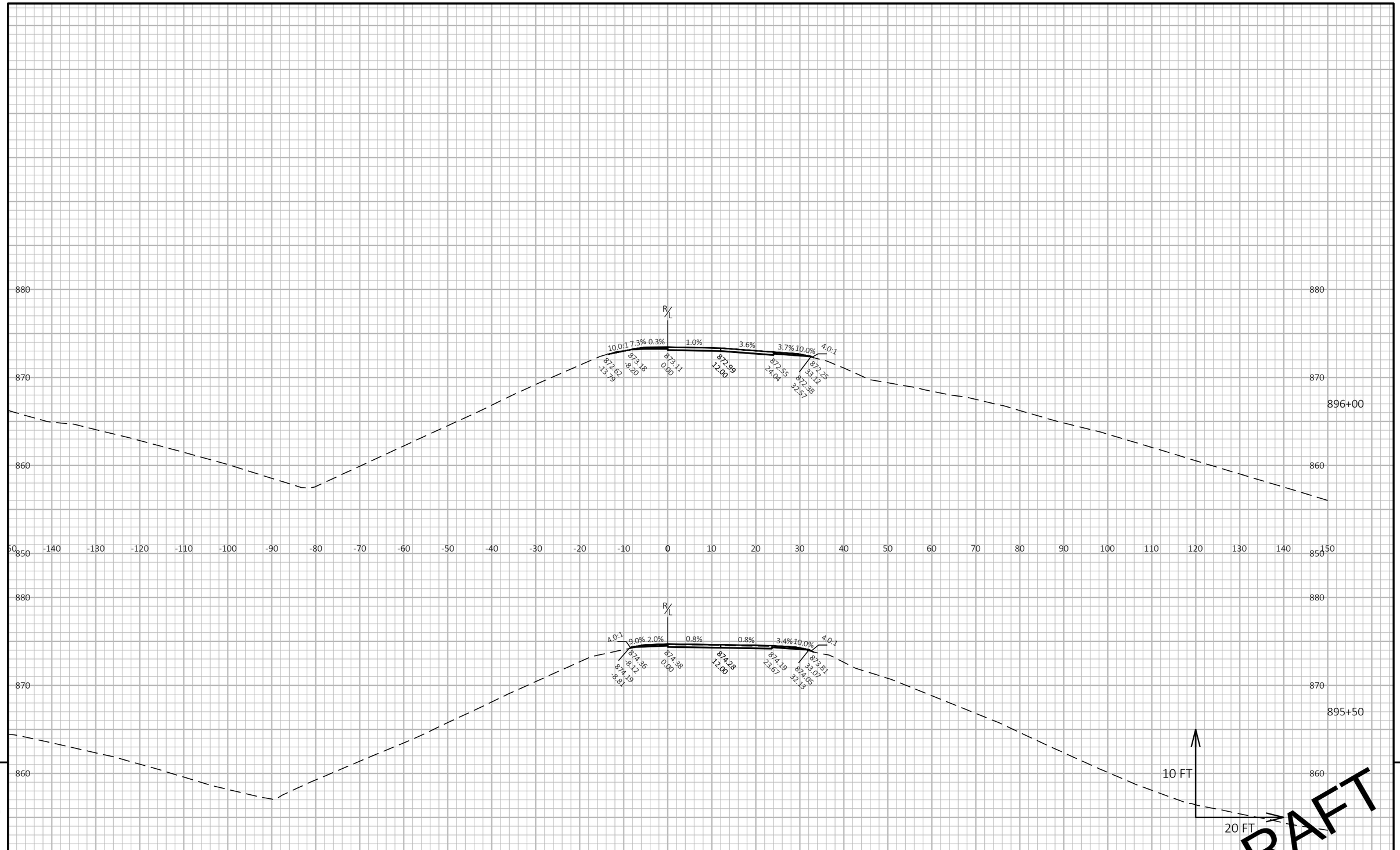
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: LAYTON AVENUE RAMP A	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090204_XS-DECK REPL.DWG
LAYOUT NAME - 090204B

PLOT DATE : 10/30/2020 10:41 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_229

WISDOT/CADDS SHEET 49



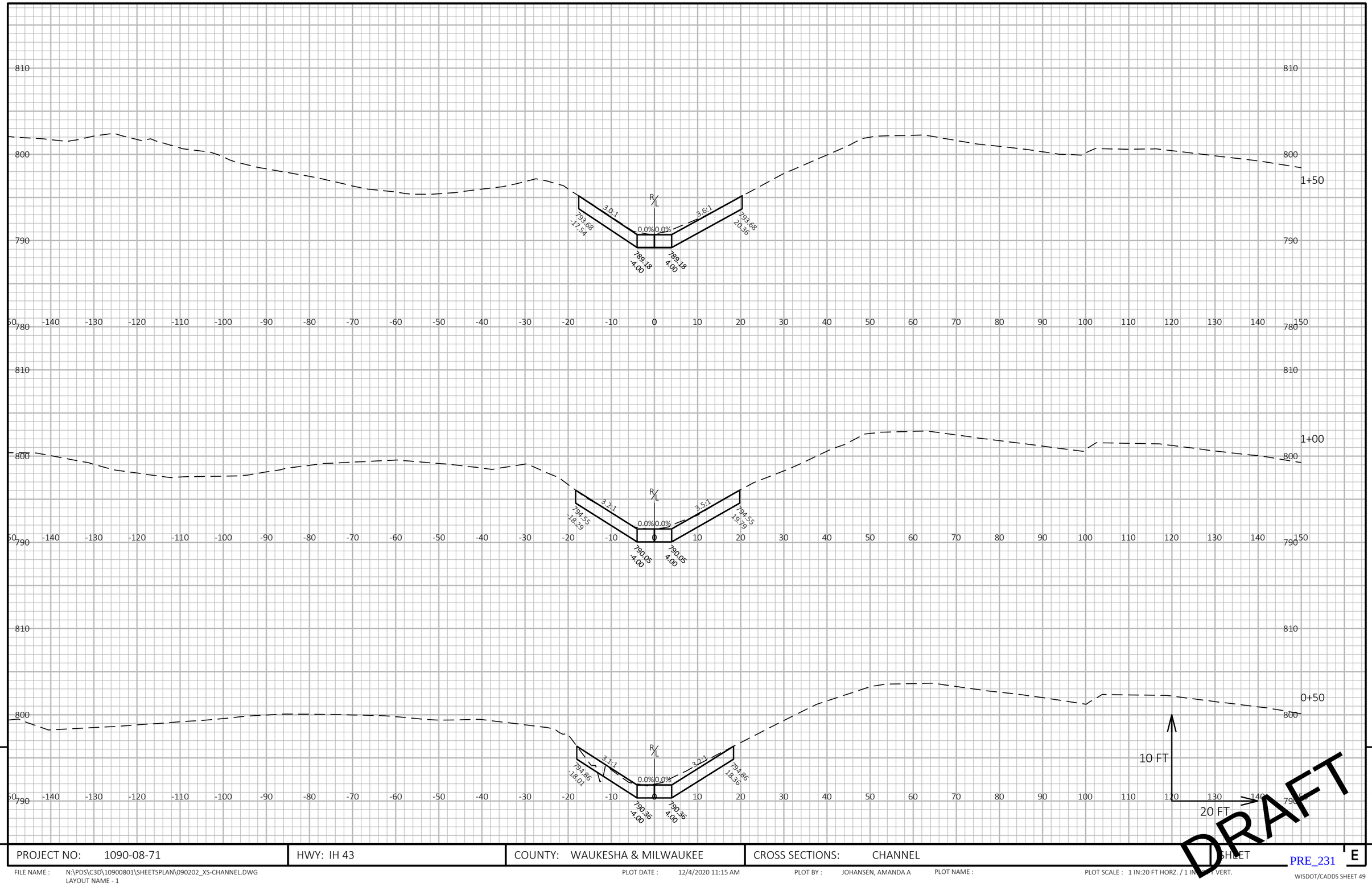
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: LAYTON AVENUE RAMP A	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090204_XS-DECK REPL.DWG
LAYOUT NAME - 090204C

PLOT DATE : 10/30/2020 10:45 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_230

WISDOT/CADDS SHEET 49



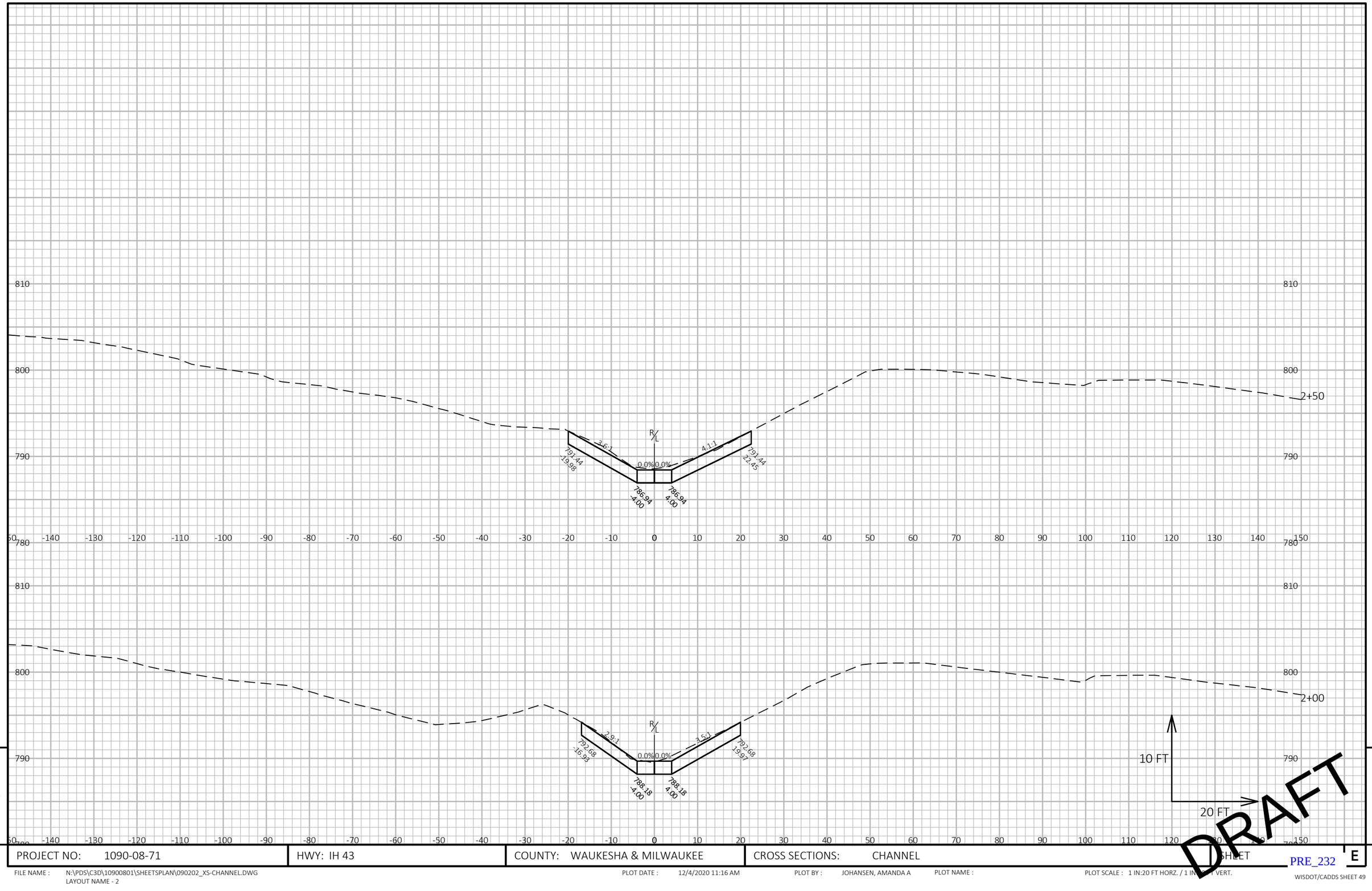
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 1

PLOT DATE : 12/4/2020 11:15 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PRE_231

WISDOT/CADDS SHEET 49



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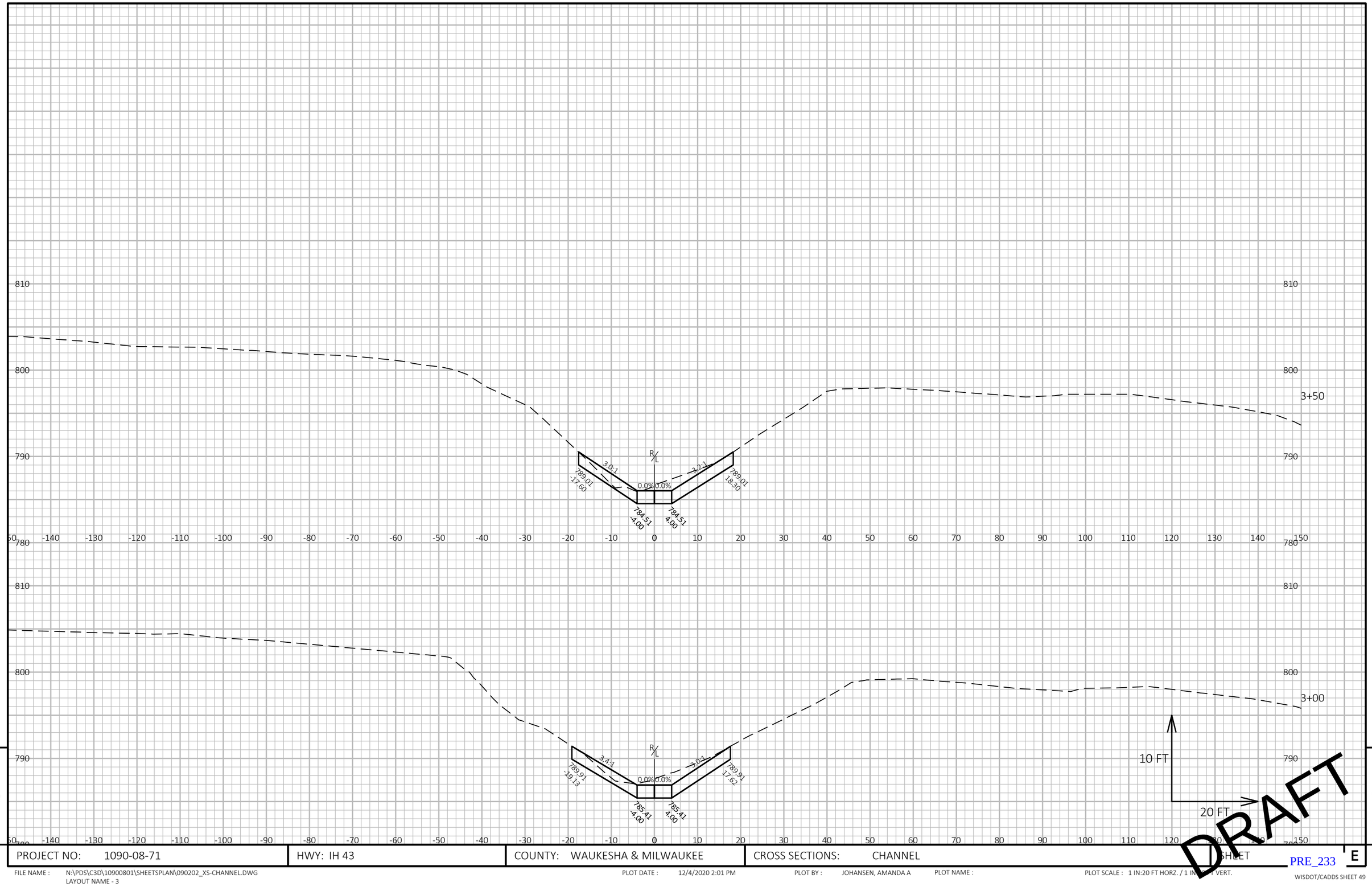
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

PRE_232

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 2

PLOT DATE : 12/4/2020 11:16 AM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

PRE_233

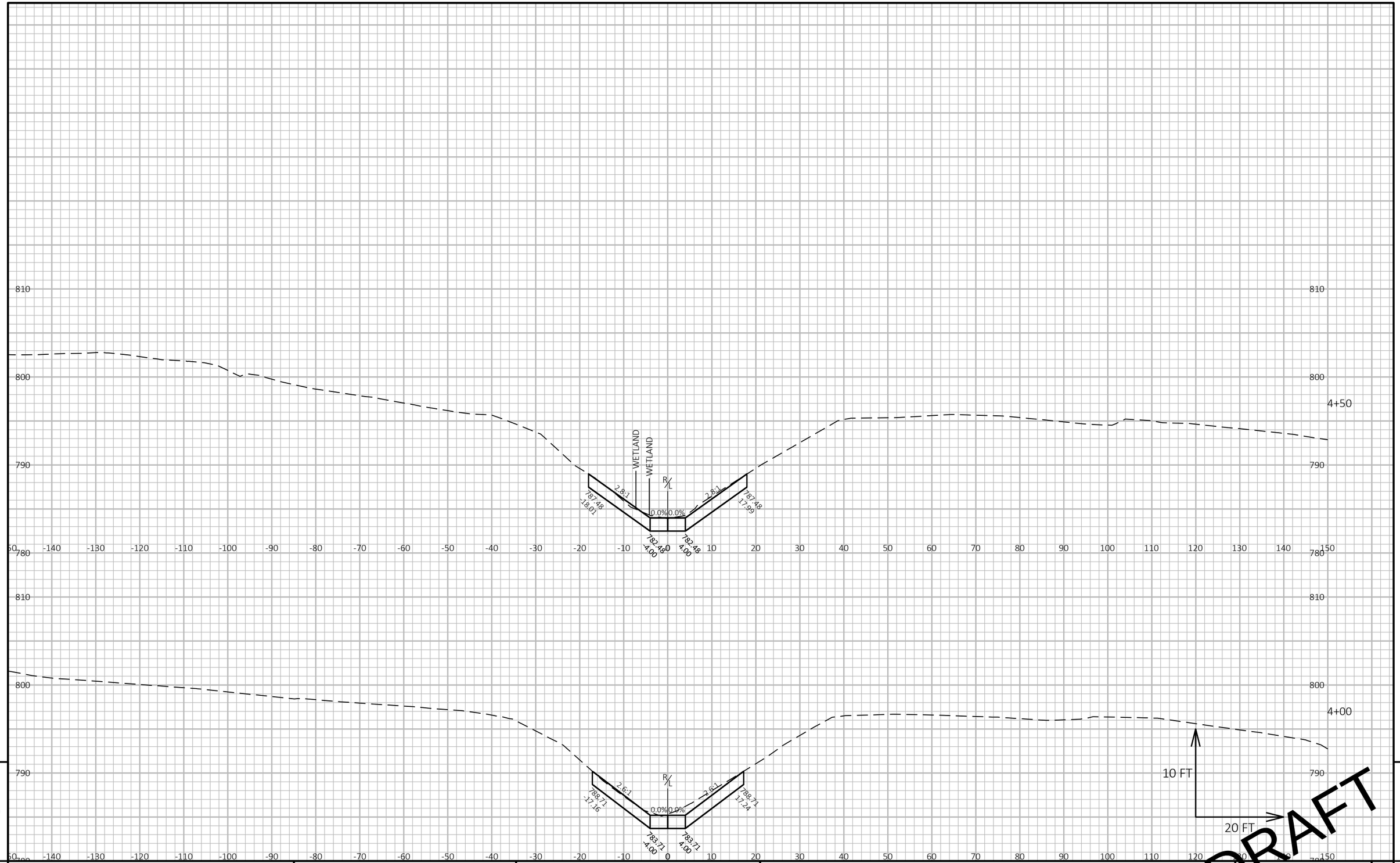
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 3

PLOT DATE : 12/4/2020 2:01 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

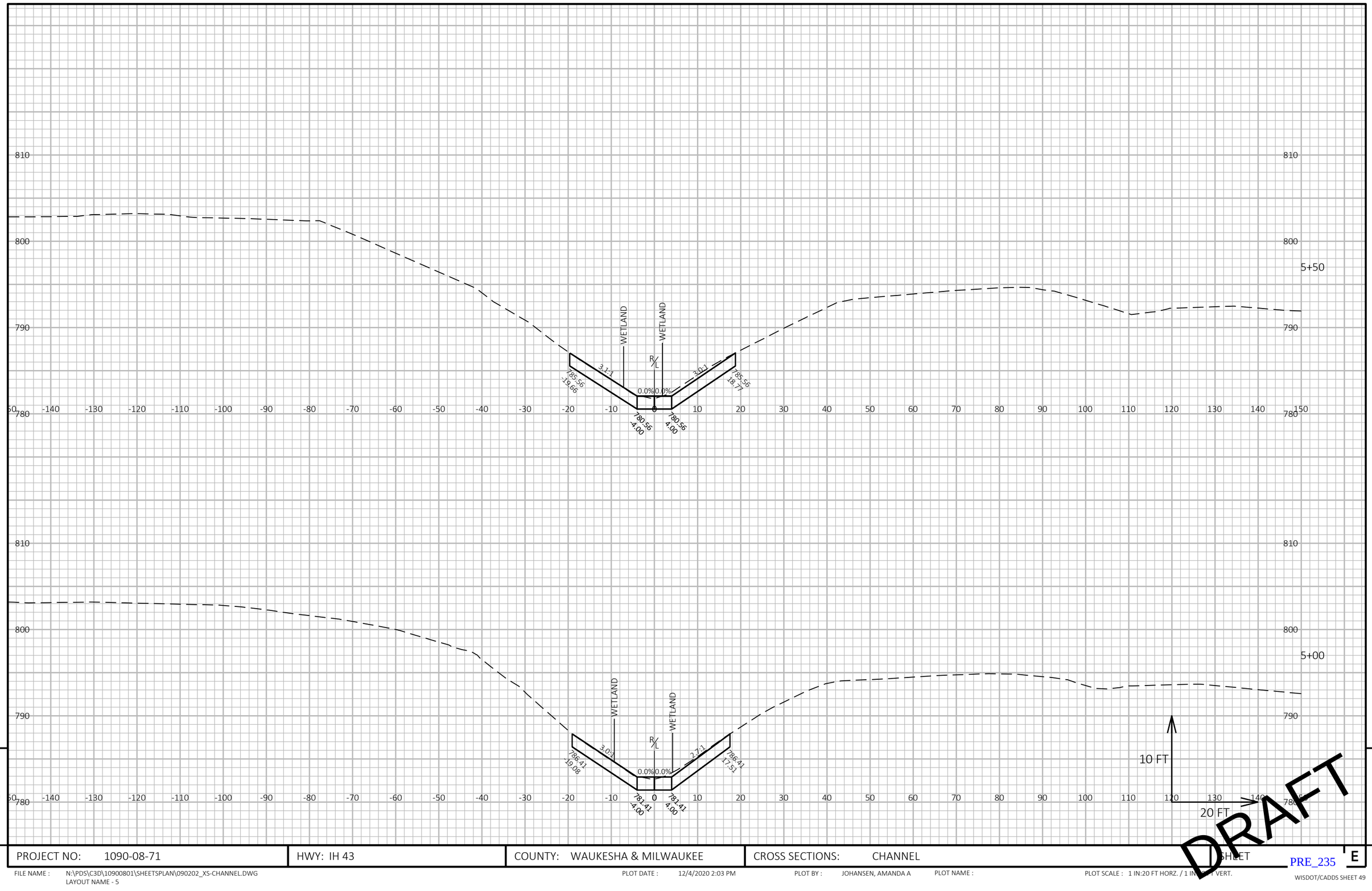
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 4

PLOT DATE : 12/4/2020 2:02 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_234

WISDOT/CADDS SHEET 49

9



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET

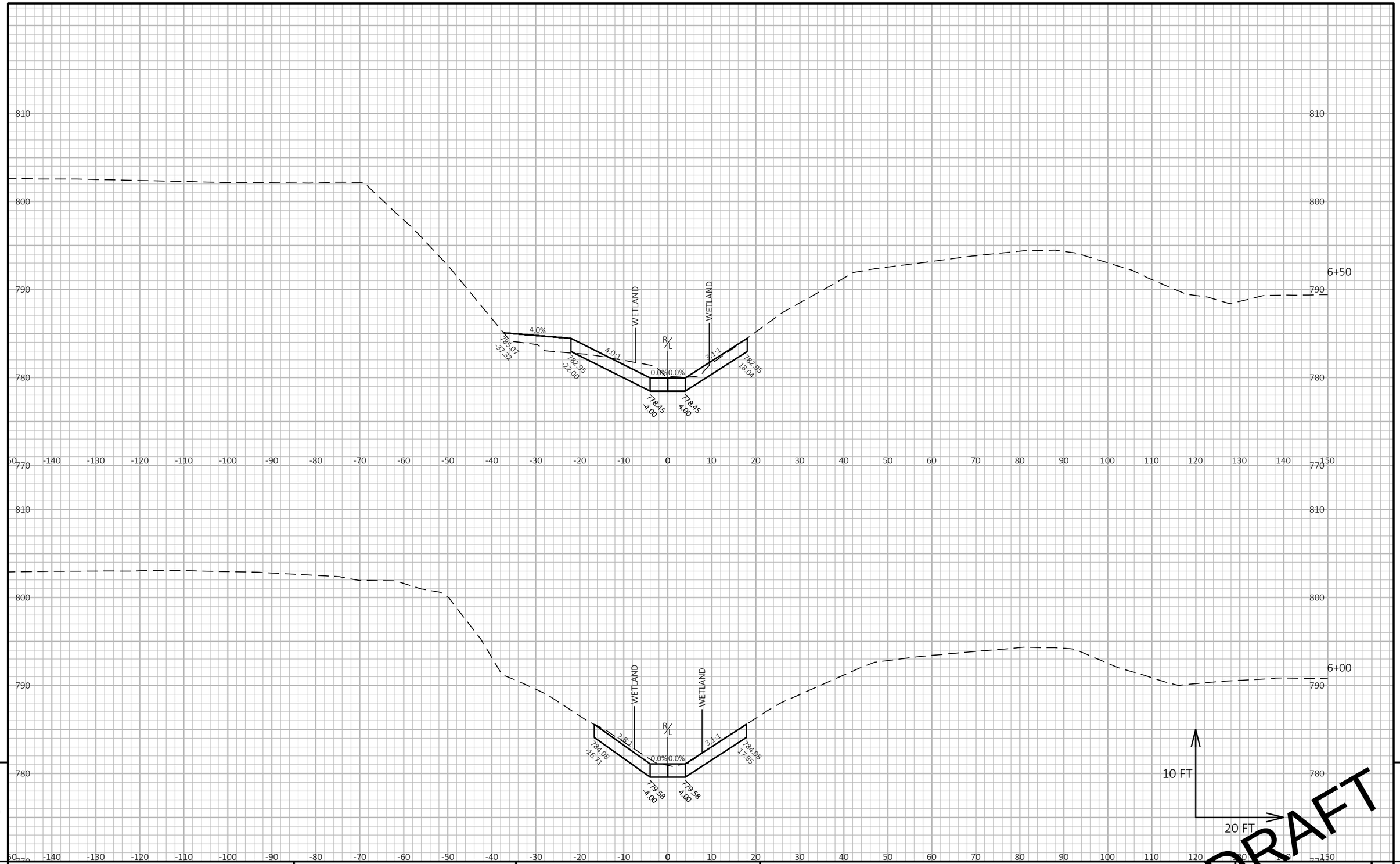
PRE_235 E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 5

PLOT DATE : 12/4/2020 2:03 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49

9



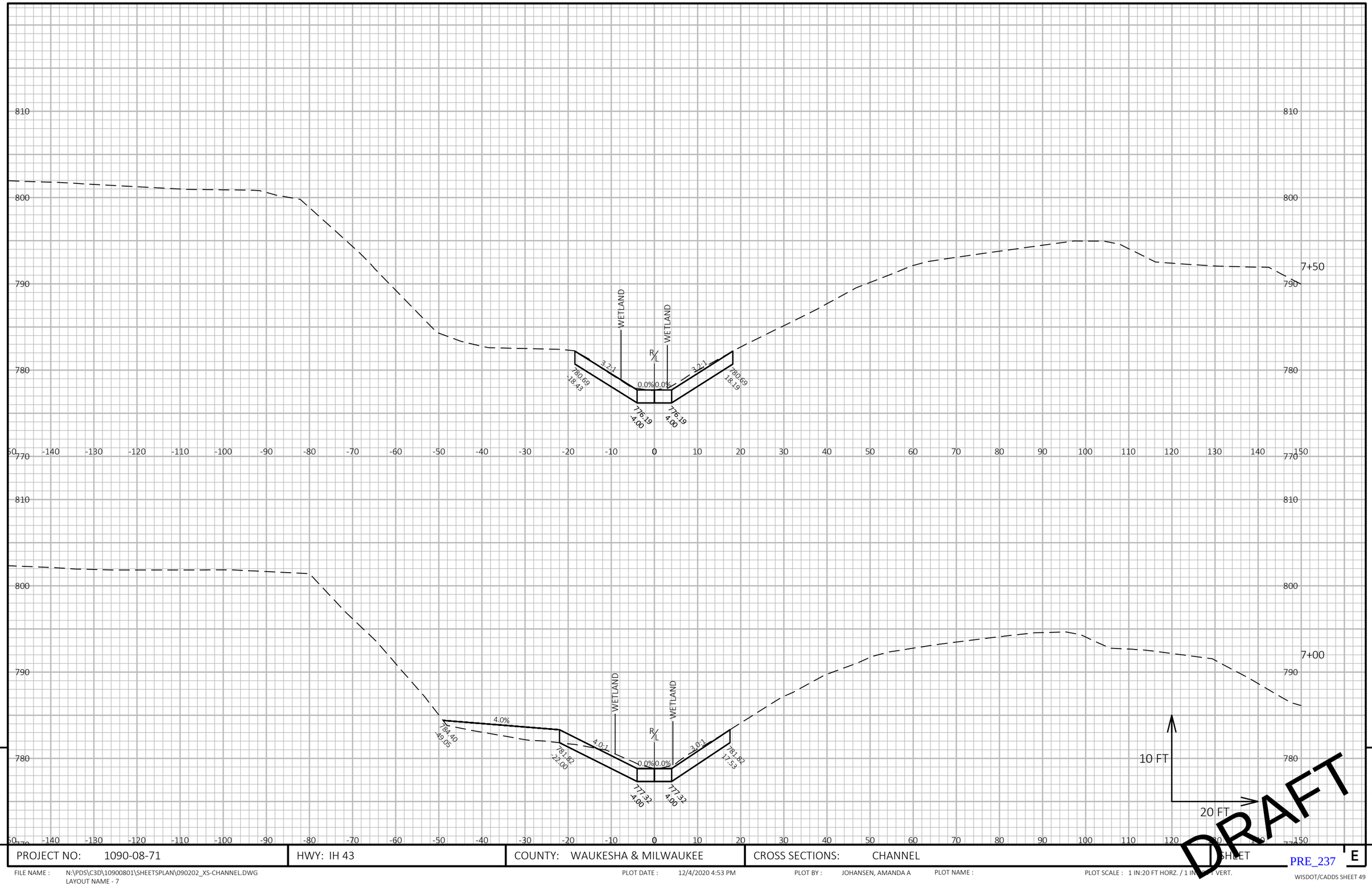
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 6

PLOT DATE : 12/4/2020 4:51 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_236

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

PRE_237

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 7

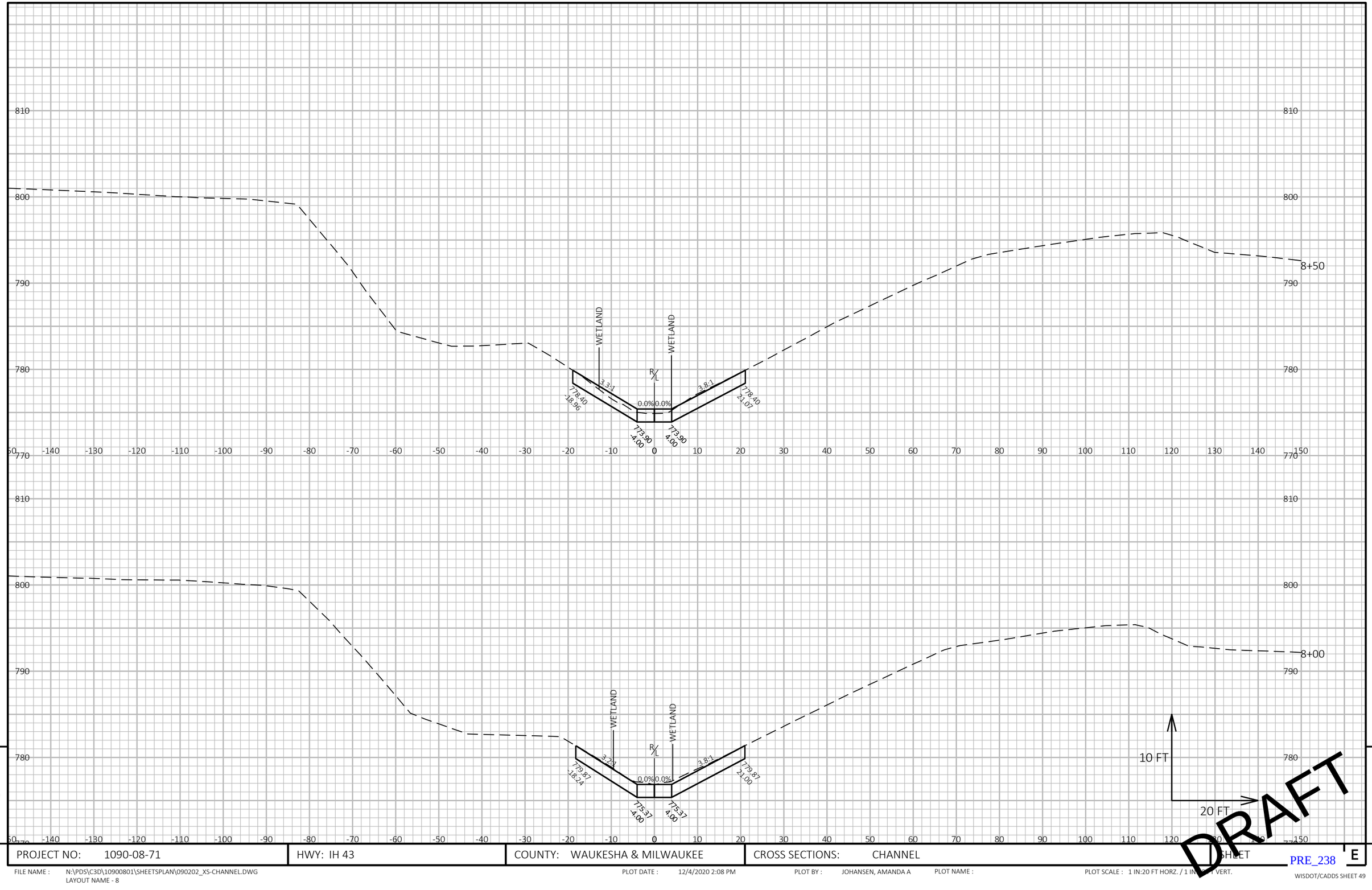
PLOT DATE : 12/4/2020 4:53 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

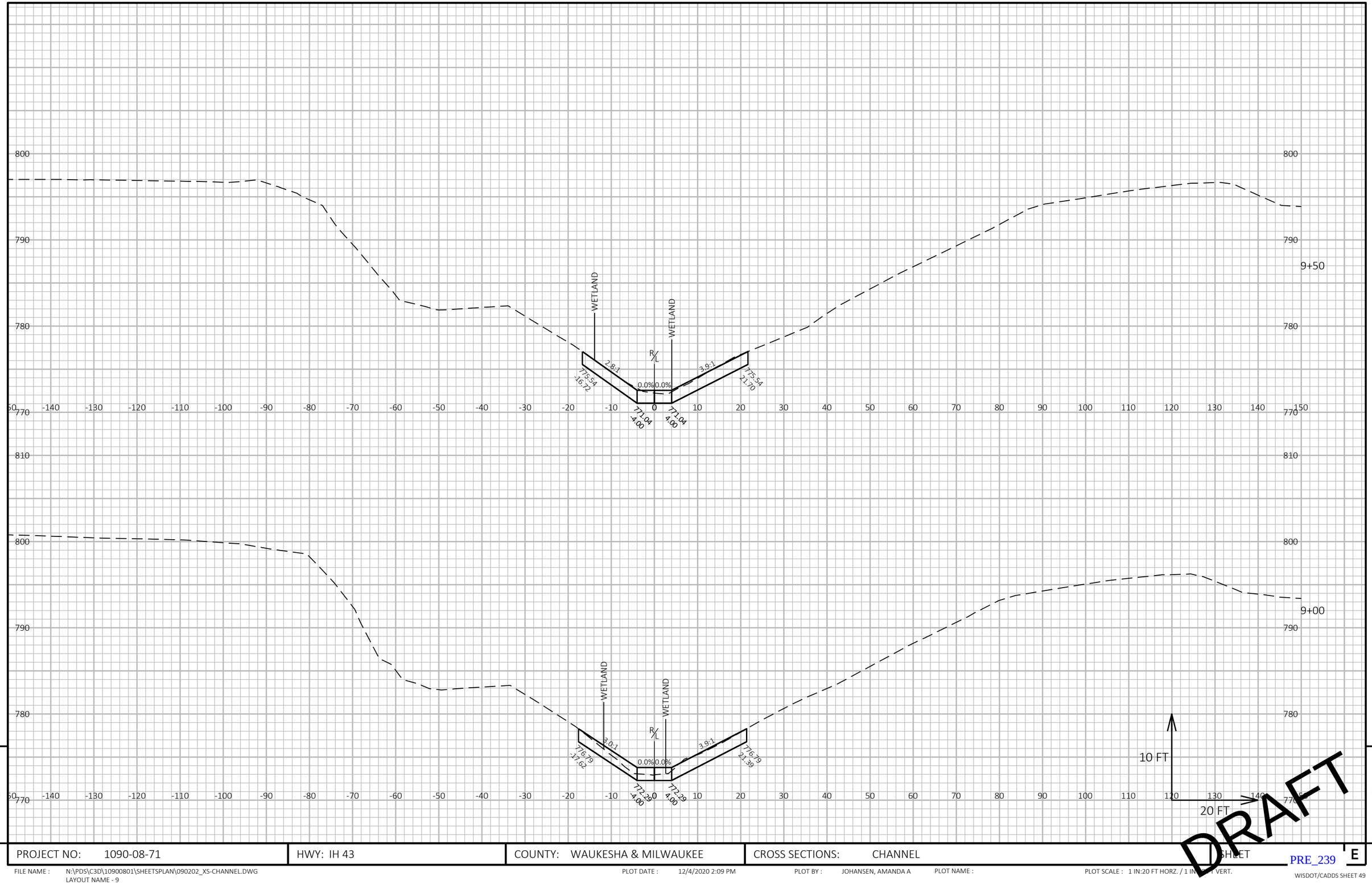
9

PRE_238

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 8

PLOT DATE : 12/4/2020 2:08 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

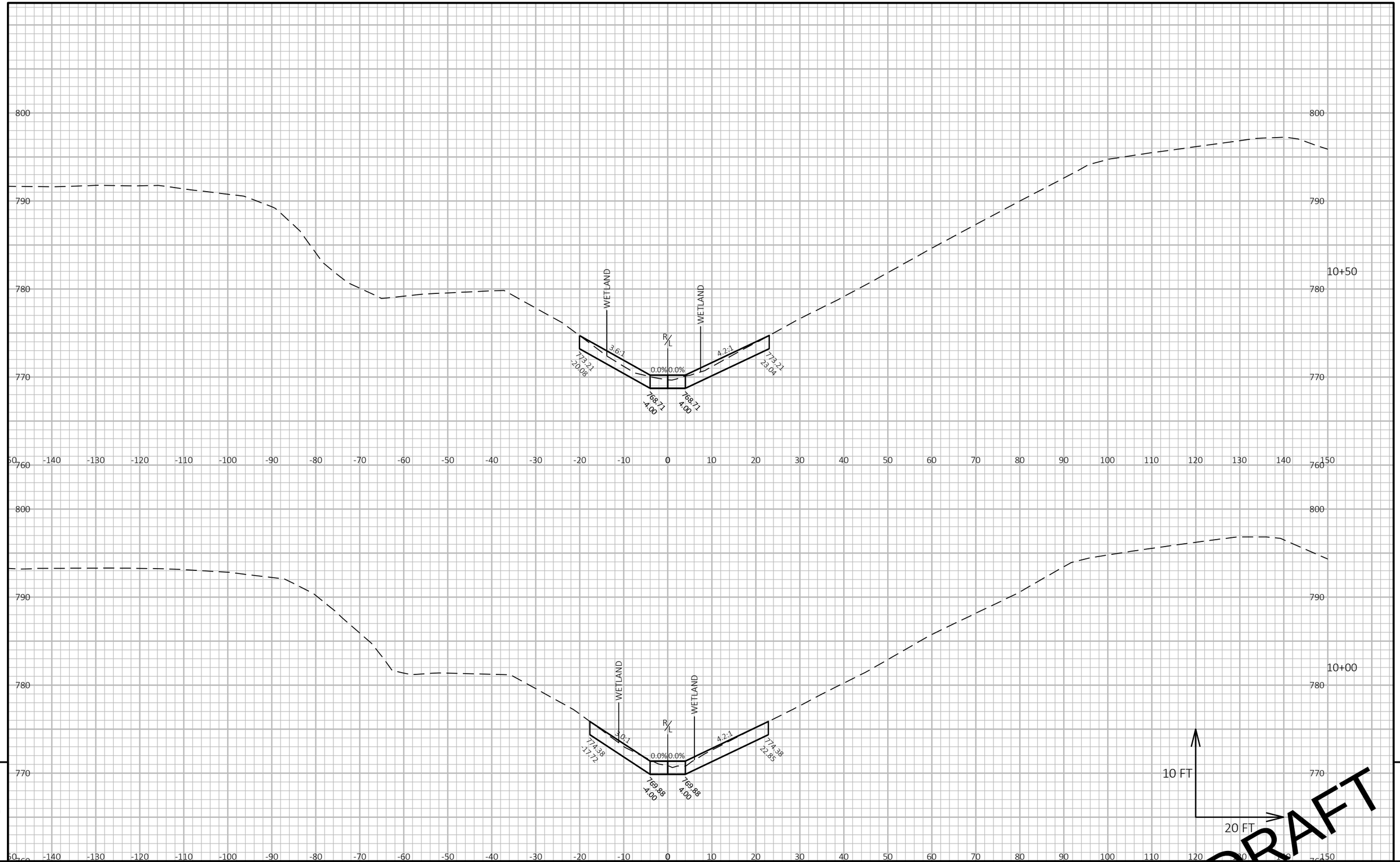
PRE_239

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 9

PLOT DATE : 12/4/2020 2:09 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

PRE_240

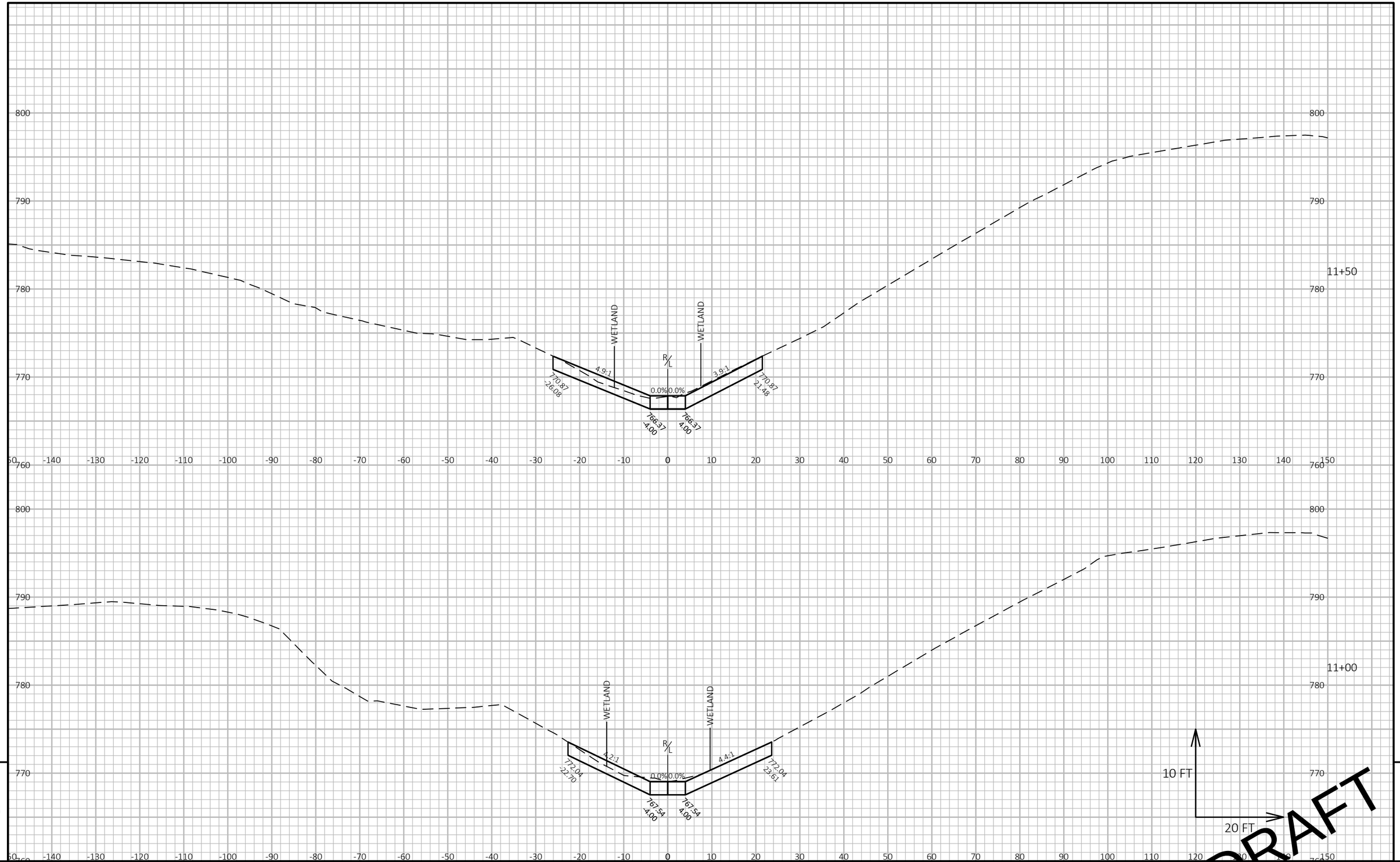
FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 10

PLOT DATE : 12/4/2020 2:09 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.



PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET

PRE_241

E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 11

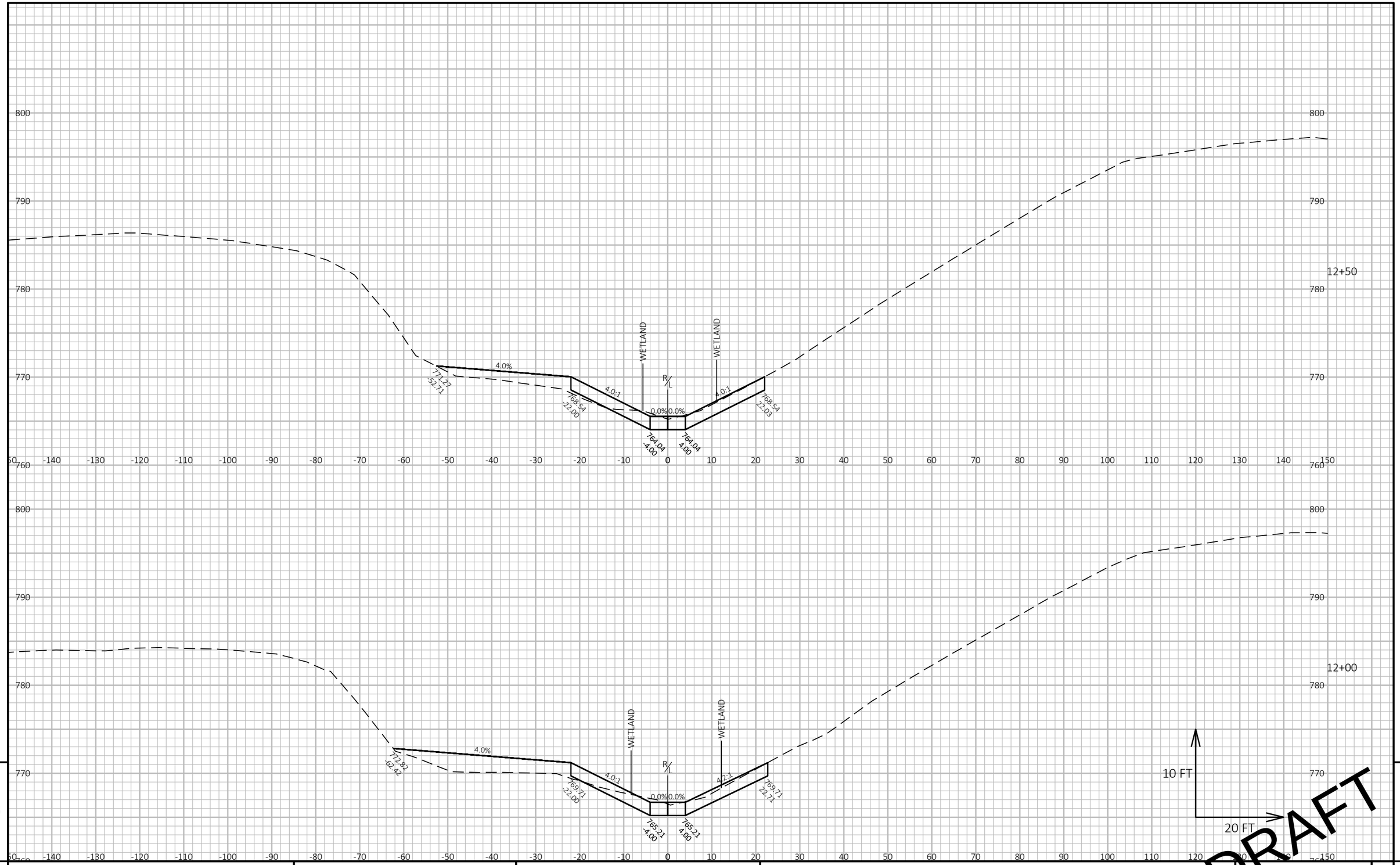
PLOT DATE : 12/4/2020 2:10 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

WISDOT/CADDS SHEET 49



9

9

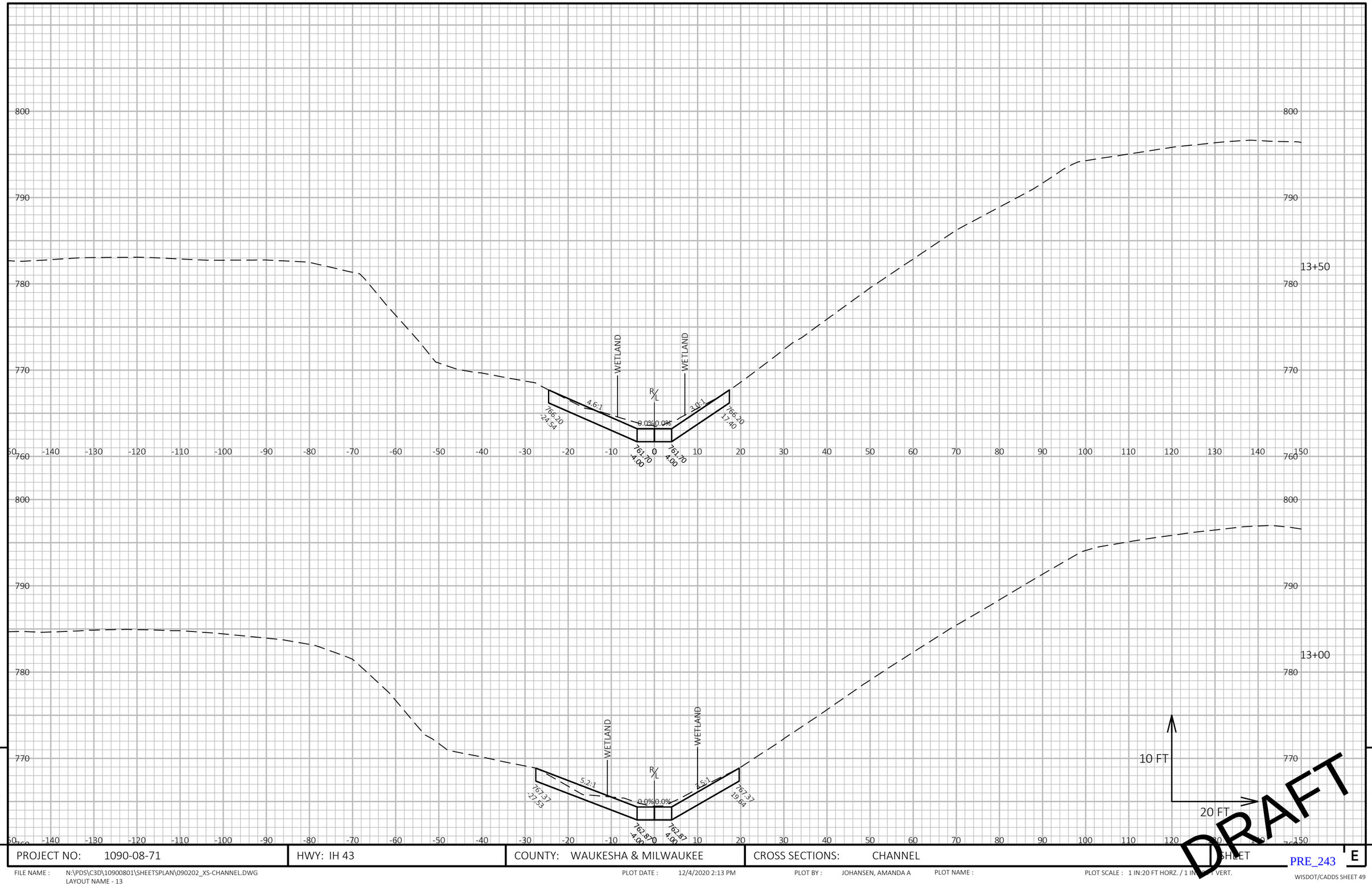
PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 12

PLOT DATE : 12/4/2020 2:12 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

PRE_242

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET	E

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 13

PLOT DATE : 12/4/2020 2:13 PM PLOT BY : JOHANSEN, AMANDA A PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] FT VERT.

PRE_243

WISDOT/CADDS SHEET 49

14+50

14+00

WETLAND

WETLAND

R/L

1:2:1

0.8:1

3.84

0.0%

0.0%

765.03
-21.29

765.03
12.16

759.37
-4.00

759.37
4.00

760.53
4.00

760.53
4.00

10 FT

20 FT

DRAFT

9

9

PROJECT NO: 1090-08-71	HWY: IH 43	COUNTY: WAUKESHA & MILWAUKEE	CROSS SECTIONS: CHANNEL	SHEET E

PRE_244

FILE NAME : N:\PDS\C3D\10900801\SHEETSPLAN\090202_XS-CHANNEL.DWG
LAYOUT NAME - 14

PLOT DATE : 12/4/2020 2:13 PM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:[illegible] VERT.

WISDOT/CADDS SHEET 49

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove

DRAFT

PRE_245