PROJECT ID: 2220-02-70

COUNTY: WASHINGTON

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 =

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2220-02-70		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MILWAUKEE TO GREEN BAY ROAD

IH 41/USH 45 SPLIT TO ONE MILE NORTH OF CTH D

USH 45

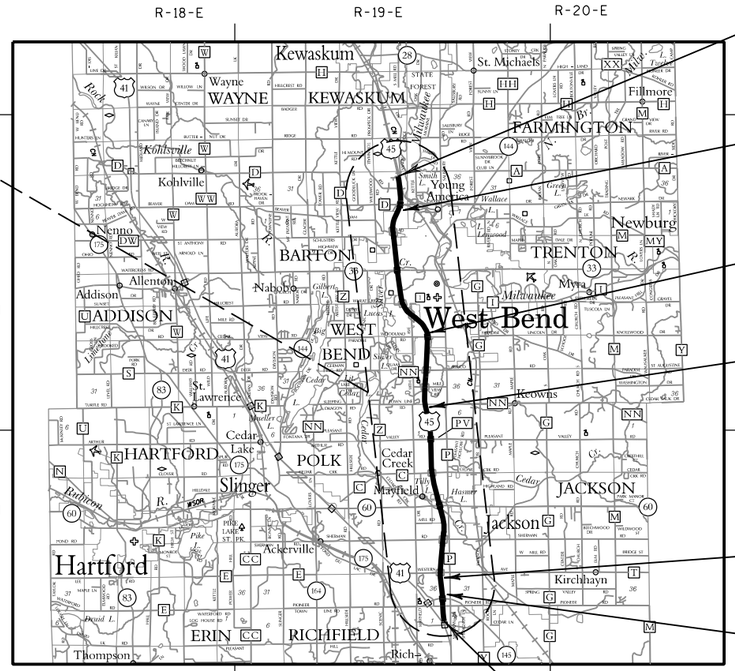
WASHINGTON COUNTY

DRAFT PS&E
SEPTEMBER 3, 2019

STATE PROJECT NUMBER
2220-02-70



BRIDGES
B-66-48
B-66-54
B-66-59
B-66-64



END PROJECT
STA 787+85.58

STATION EQUATION
STA 718+65.34 R/L USH 45 BACK =
STA 718+45.34 R/L USH 45 AHEAD
EQUATION

STATION EQUATION
STA 537+24.12 R/L USH 45 BACK =
STA 543+94.20 R/L USH 45 AHEAD
EQUATION

STATION EQUATION
STA 412+50.15 R/L USH 45 BACK =
STA 412+40.84 R/L USH 45 AHEAD
EQUATION

STATION EQUATION
STA 1756+94.79 R/L USH 45 BACK =
STA 102+20.23 R/L USH 45 AHEAD
EQUATION

STATION EQUATION
STA 1744+47.86 R/L USH 45 SB BACK =
STA 1744+47.86 R/L USH 45 NB BACK =
STA 1744+47.86 R/L USH 45 AHEAD
EQUATION

BEGIN PROJECT
STA 1694+70.00
X=362076.342
Y=128714.044

N

LAYOUT
SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 14.043 MI.

"ELEVATIONS SHOWN ON THIS PLAN AER REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (1991)."

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WASHINGTON COUNTY."

DESIGN DESIGNATION

A.A.D.T.	2019	=	18,400 - 34,100
A.A.D.T.	2039	=	20,902 - 40,500
D.H.V.		=	11.4
D.D.		=	60/40
T.		=	6.1%
DESIGN SPEED		=	70 MPH
ESALS		=	7,200,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS — CAUTION
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) — ROCK
- SPECIAL DITCH — LABEL
- GRADE ELEVATION — 95.36
- CULVERT (Profile View)

UTILITIES

- ELECTRIC — E
- FIBER OPTIC — FO
- GAS — G
- SANITARY SEWER — SAN
- STORM SEWER — SS
- TELEPHONE — T
- WATER — W
- UTILITY PLACED PER PLAN — XX(P)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

ORIGINAL PLANS PREPARED BY

K&G Kenosha LLC — A Kapur & Associates and Graef Anhalt Schloemer Joint Venture
7711 North Port Washington Road Milwaukee, WI 53217

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KAPUR & ASSOCIATES
Designer	KG KENOSHA
Project Manager	BRIAN PLUEMER
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

PRE_1

E

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH BACKFILL GRANULAR. BACKFILL GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

SEED, MULCH AND FERTILIZE ALL TOPSOILED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

ALL TRAFFIC CONTROL DEVICES, DETOURS, FIXED MESSAGE SIGNS, CLOSURES AND ADVANCED WARNING SIGNS FOR CONSTRUCTION UNDER THIS PROJECT SHALL BE PLACED PER THE TRAFFIC CONTROL OR AS DIRECTED BY THE ENGINEER.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL “IN USE” SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM ‘TRAFFIC CONTROL COVERING SIGNS’.

NO ASPHALTIC SURFACE MILLING OR ASPHALTIC OVERLAYS SHALL OCCUR ON BRIDGE STRUCTURES.

CONCRETE JOINTS SHALL MATCH ABUTTING PAVEMENT AND CURB AND GUTTER JOINTS UNLESS OTHERWISE DESIGNATED BY THE ENGINEER.

THE LOCATIONS OF LONGITUDINAL JOINTS IN HMA PAVEMENT SHALL BE APPROVED BY THE ENGINEER.

LIMITS OF MILL AND OVERLAY ON RAMPS MAY BE ADJUSTED BY THE ENGINEER.

ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

LOCATION	TOTAL LAYER PAVEMENT THICKNESS	LAYER THICKNESS	LAYERS
STRUCTURE APPROACH	1.75”	1.75”	3 HT 52-28 H
MILL & OVERLAY SECTION (INCUDING SHOULDERS)	4”	1.75” 2.25”	3 HT 52-28 H (UPPER) 4 HT 52-28 H (LOWER)
SHOULDERS @ CONCRETE PAVEMENT	4”	4”	3 LT 52-28 S

STANDARD ABBREVATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
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
PLE	PERMANENT LIMITED EASMENT
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCE CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TC	TOP OF CURB
TLE	TEMPORARY LIMITED EASEMENT

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
UTILITY CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
CABLE GUARD
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT PLAN

2

UTILITY CONTACTS

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

DIGGERS HOTLINE
Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

We Energies – Electric
Mr. LaTroy Brumfield
333 W. Everett St. – A299
Milwaukee, WI 53203
Phone (414) 221-5617
LaTroy.Brumfield@we-energies.com

Koch Pipeline Company LP
Ms. Mercedes Mallinger
6483 85th Street South
Cottage Grove, MN 55016
Phone: (651) 437-0877
Mercedes.Mallinger@kochpipeline.com

Windstream NTI, LLC
Mr. Nathan Becker
13935 Bishops Drive
Brookfield, WI 53005
Phone (262) 792-7938
nathan.becker@windstrream.com

WisDOT Street Lighting
Mr. Eric Perea
141 NW Barstow
PO Box 798
Waukesha, WI 53187-0798
Phone: (262) 574-5422
Eric.Perea@dot.wi.gov

WisDOT ATR Pull Boxes
Ms. Jane Oldenburg
Travel Surveys Shop
3633 Pierstorff Street
Madison, WI 53704-2583
Phone: (608) 245-2679
Jane.Oldenburg@dot.wi.gov

We Energies – Gas
Mr. LaTroy Brumfield
333 W. Everett St. – A299
Milwaukee, WI 53203
Phone (414) 221-5617
LaTroy.Brumfield@we-energies.com

PaeTec Communications
Mr. Nathan Becker
13935 Bishops Drive
Brookfield, WI 53005
Phone (262) 792-7938
nathan.becker@windstrream.com

City of West Bend - Water
Mr. John Hemauer
251 S. Municipal Drive
West Bend, WI 53095
Phone (262) 335-5040
wbwu@ci.west-bend.wi.us

WISDOT SIGNALS
Ms. Elizabeth Lloyd-Weis
141 NW Barstow Street
PO Box 798
Waukesha, WI 53187-0798
Phone (262) 521-4404
Elizabeth.Lloyd-Weis@dot.wi.gov

AT&T Mobility
Mr. Tom Theodore
930 National Parkway, 4ab20-2
Schaumburg, IL 60173
Phone (847) 330-7580
TT698n@att.com

Windstream KDL, LLC
Mr. Nathan Becker
13935 Bishops Drive
Brookfield, WI 53005
Phone (262) 792-7938
nathan.becker@windstrream.com

Charter Communications
Mr. Tom Harycki
1515 W. Washington Avenue
West Bend, WI 53095
Phone (920) 416-2437
tom.harycki@charter.com

AT&T Wisconsin
Mr. Jay Bulanek
2005 Pewaukee Road
Waukesha, WI 53188-2443
Phone (262) 896-7669
jb5175@att.com

Level 3 Communications
1025 Eldorado Boulevard
Broomfield, CO 80021
relo@level3.com

Village of Richfield - Water
Mr. Adam Schmitt
1345 Hillside Road
Hubertus, WI 53033
Phone (262) 628-2260
DPW@richfieldwi.gov

City of West Bend - Sewer
Mr. Scott Tutas
512 Municipal Drive
West Bend, WI 53095
Phone (262) 334-3925
wbsewer@ci.west-bend.wi.us

American Transmission Company LLC
Mike Olson
801 O'Keefe Road
PO Box 6113
DePere, WI 54115-6113
Phone (920) 338-6582
molsen@atcllc.com

Village of Richfield - Sewer
Mr. Adam Schmitt
1345 Hillside Road
Hubertus, WI 53033
Phone (262) 628-2260
DPW@richfieldwi.gov

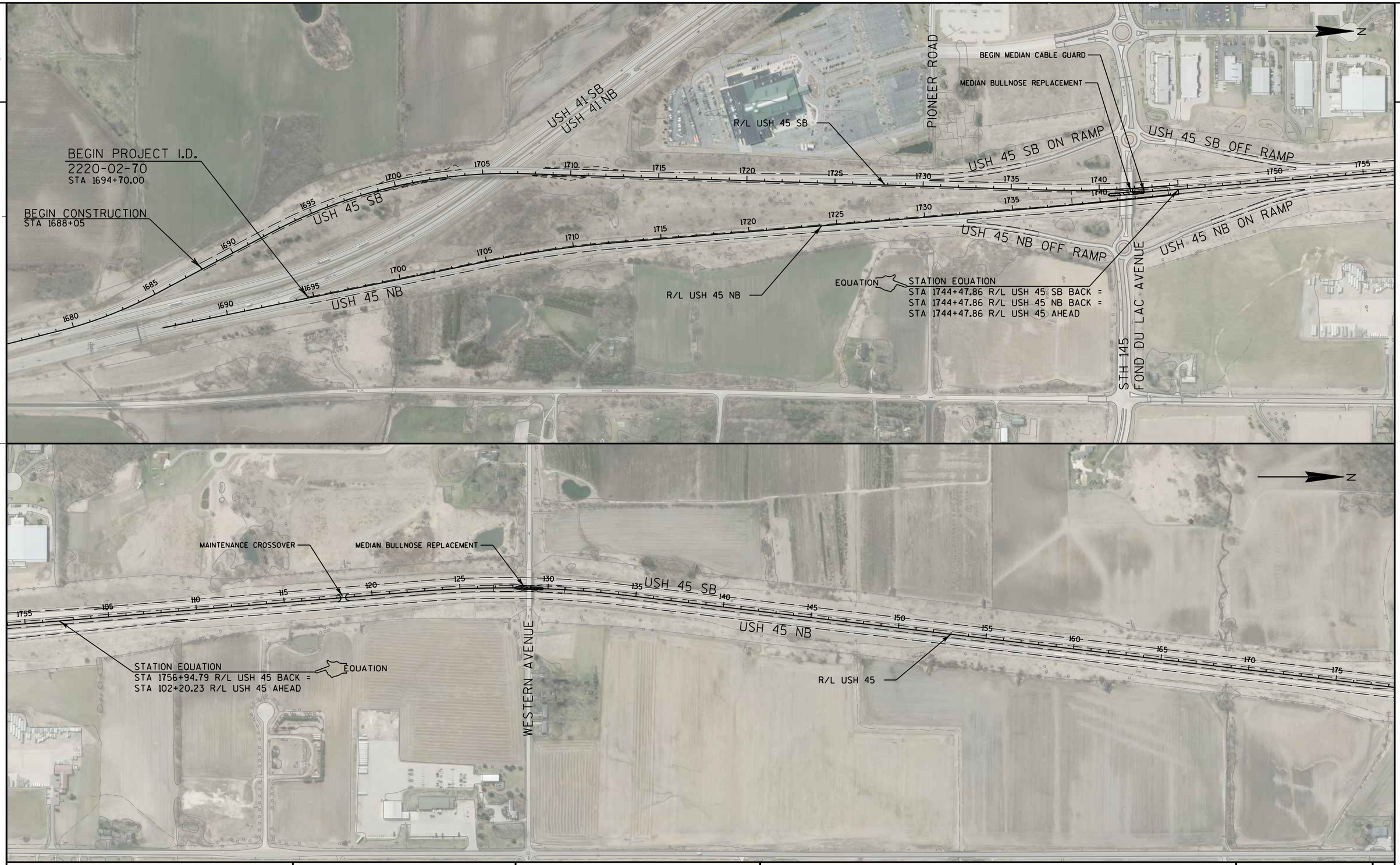
Sprint Communications
Mr. James Burton
5600 N. River Road
Suite 200
Rosemont, IL 60018
Phone (708) 955-6659
james.m.burton@sprint.com

OTHER CONTACTS- FOR INFORMATION ONLY

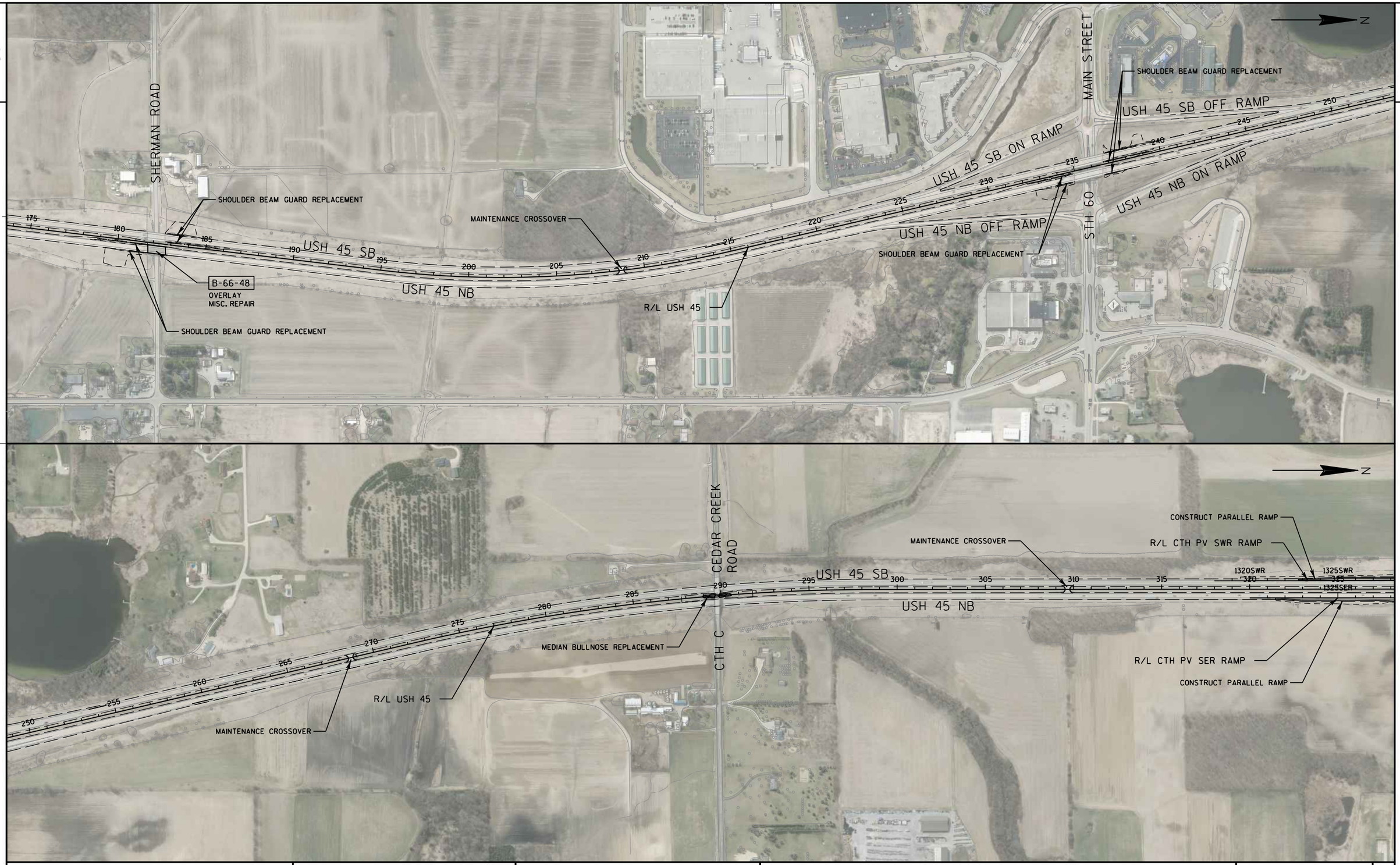
Wisconsin Department of Natural Resources
Ms. Kristina Betzold
2300 N Marin Luther King Jr. Dr
Milwaukee, WI 53212
Phone (414) 263-8517
kristina.betzold@wisconsin.gov

Consultants
Mr. Prasad Narayan
Project Manager
Kapur & Associates, Inc.
7711 North Port Washington Road
Milwaukee, WI 53217
Phone (414) 351-6668
prasad@kapur-assoc.com

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET E



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET E

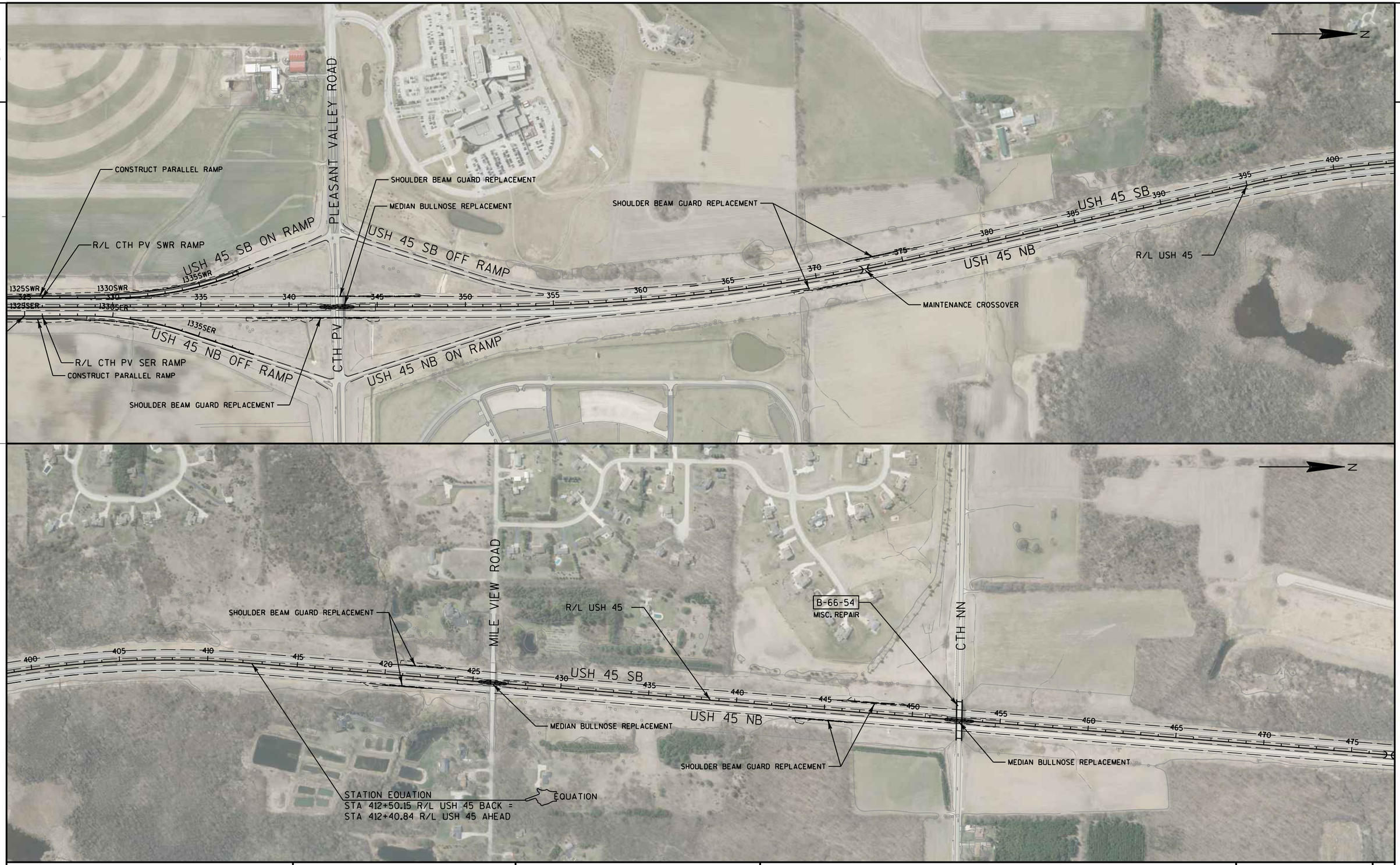
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WISDOT/CADDS SHEET 42

2

2

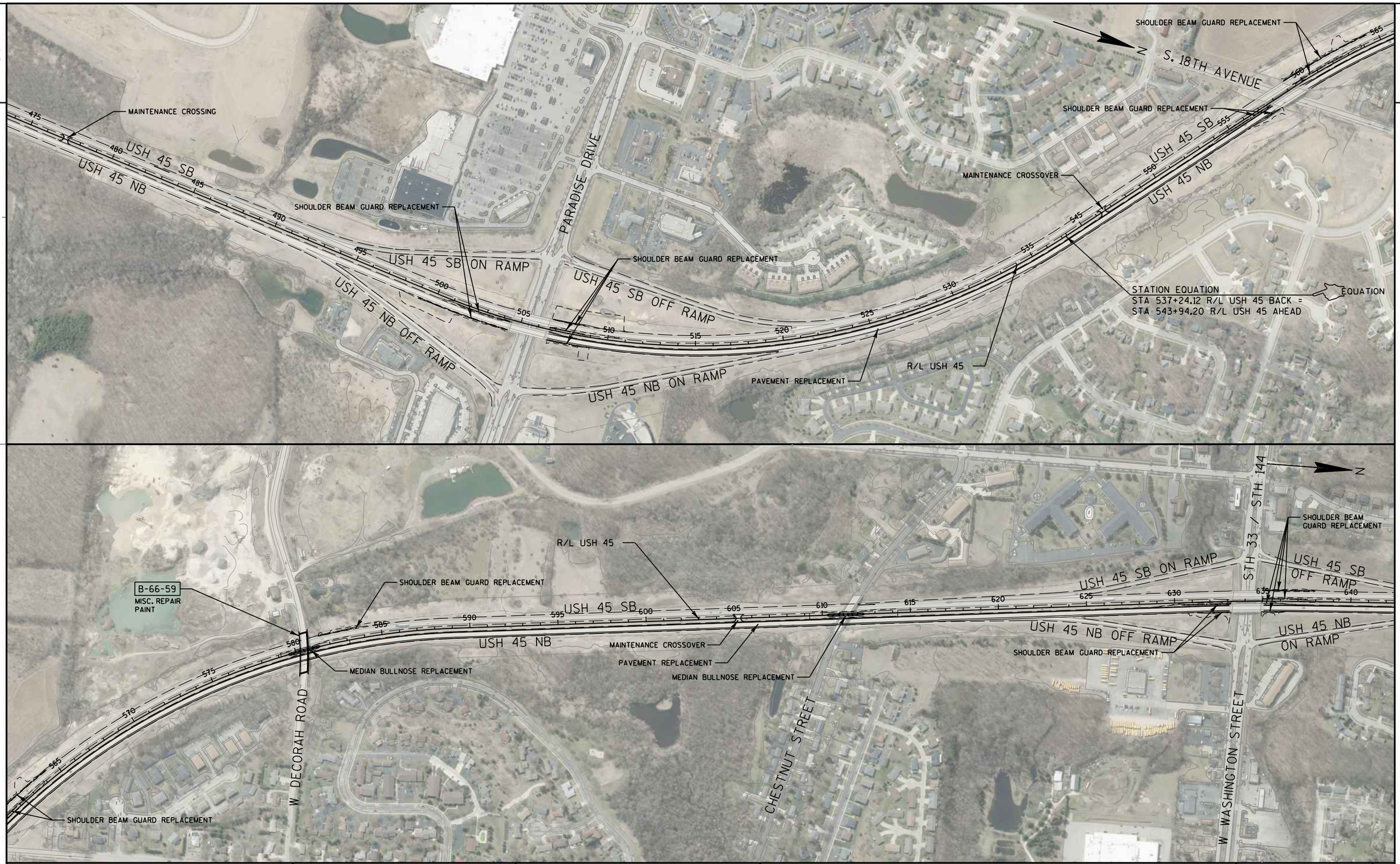


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET E

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WISDOT/CADDS SHEET 42

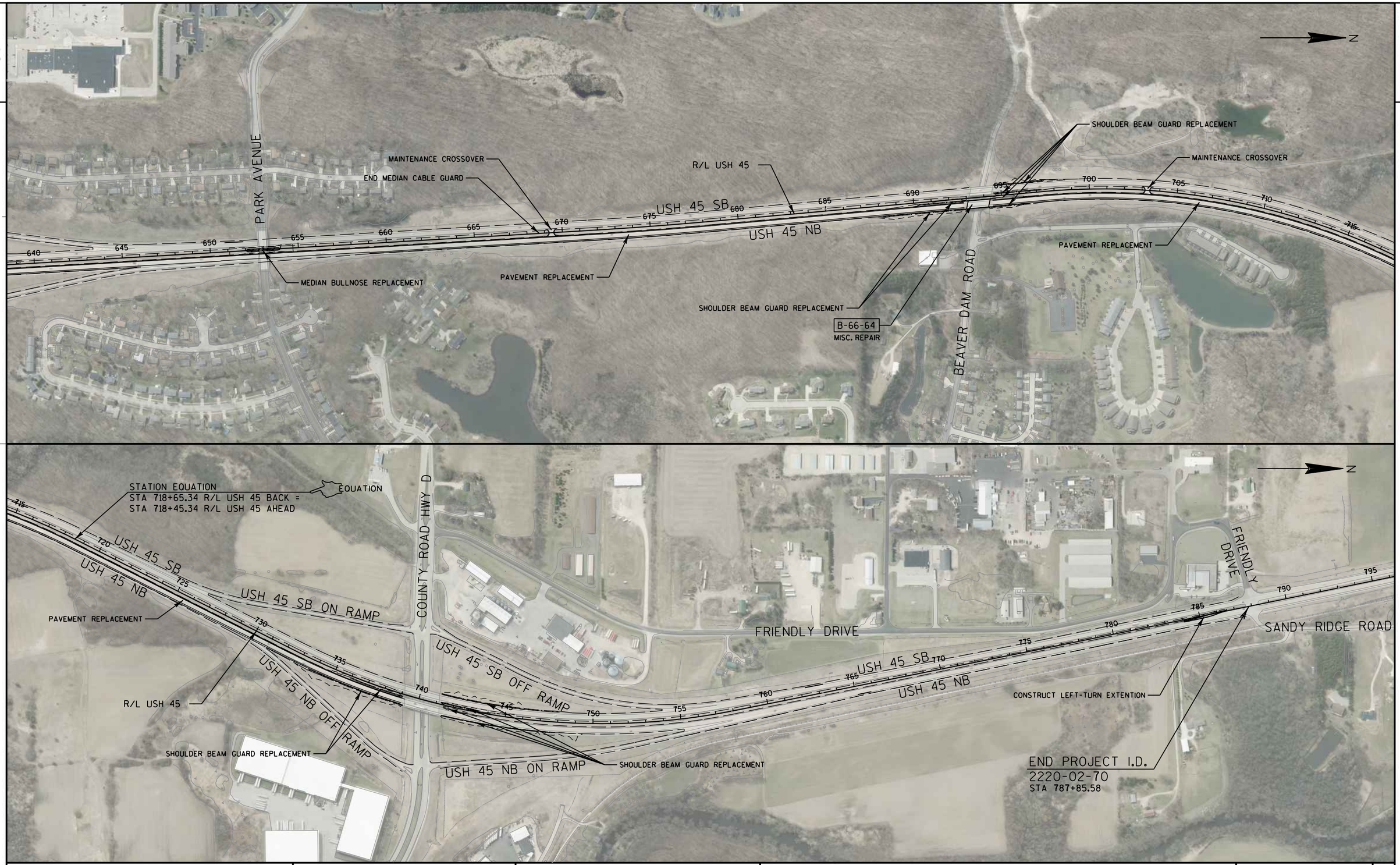


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PRE_7

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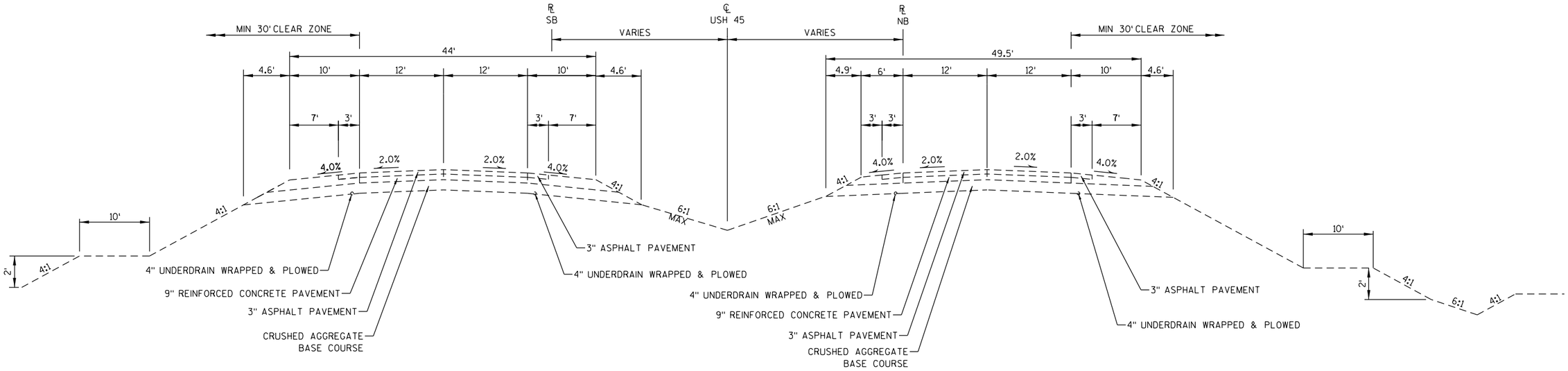


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PROJECT OVERVIEW	SHEET E

PRE_8

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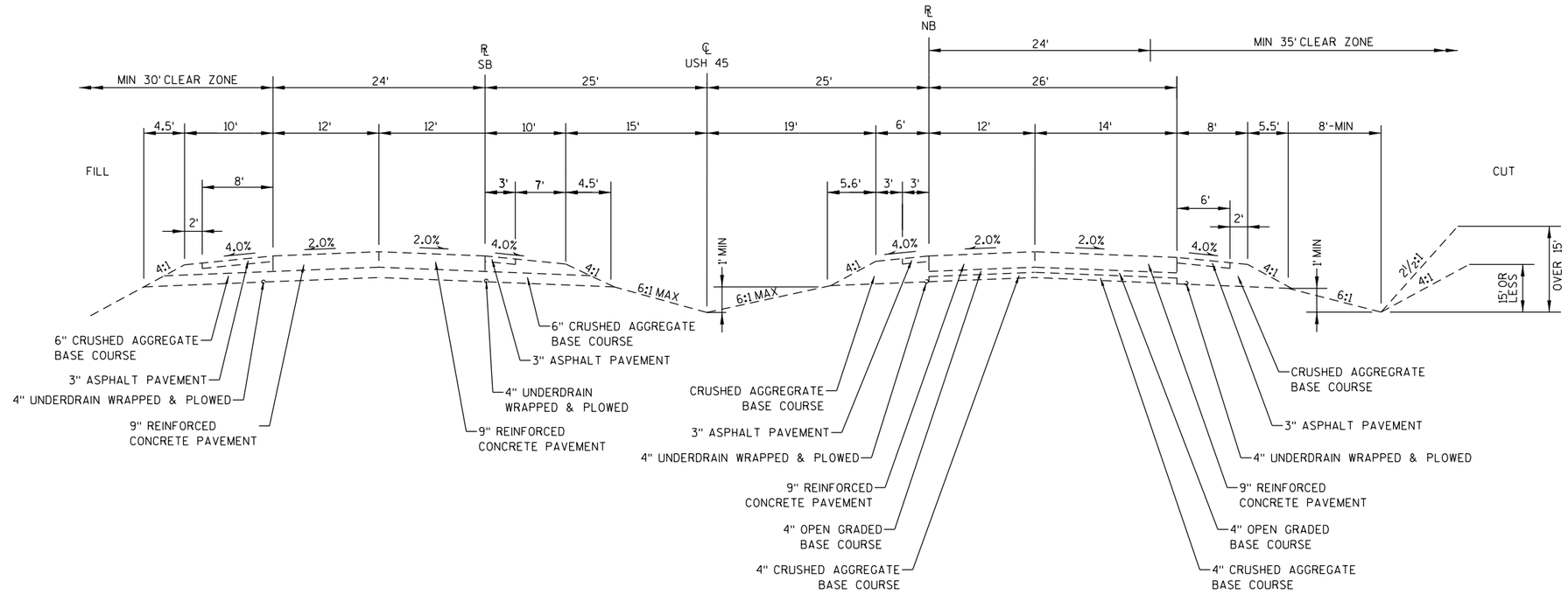
EXISTING TYPICAL SECTION

USH 45

STA 1688SB+05 TO STA 1732SB+88
STA 1694NB+70 TO STA 1733NB+13

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

PRE_9



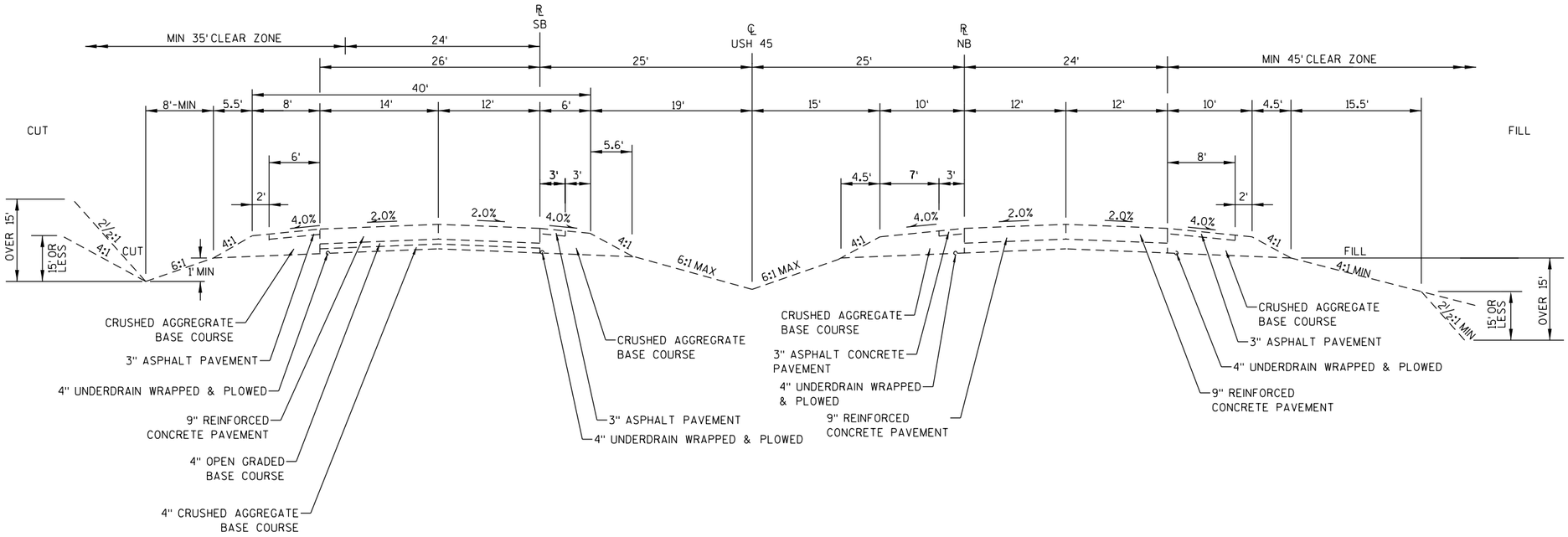
EXISTING TYPICAL SECTION

USH 45

STA 1732SB+88 TO STA 1756SB+94.8
STA 102SB+20.23 TO STA 164SB+00
STA 756SB+48 TO STA 787SB+43

STA 137NB+00 TO STA 159NB+00
STA 375NB+00 TO STA 385NB+98
STA 412NB+45 TO STA 427NB+00
STA 745NB+08 TO STA 787NB+43

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E



EXISTING TYPICAL SECTION

USH 45

STA 164SB+00 TO STA 385SB+98
STA 412SB+50 TO STA 756SB+48

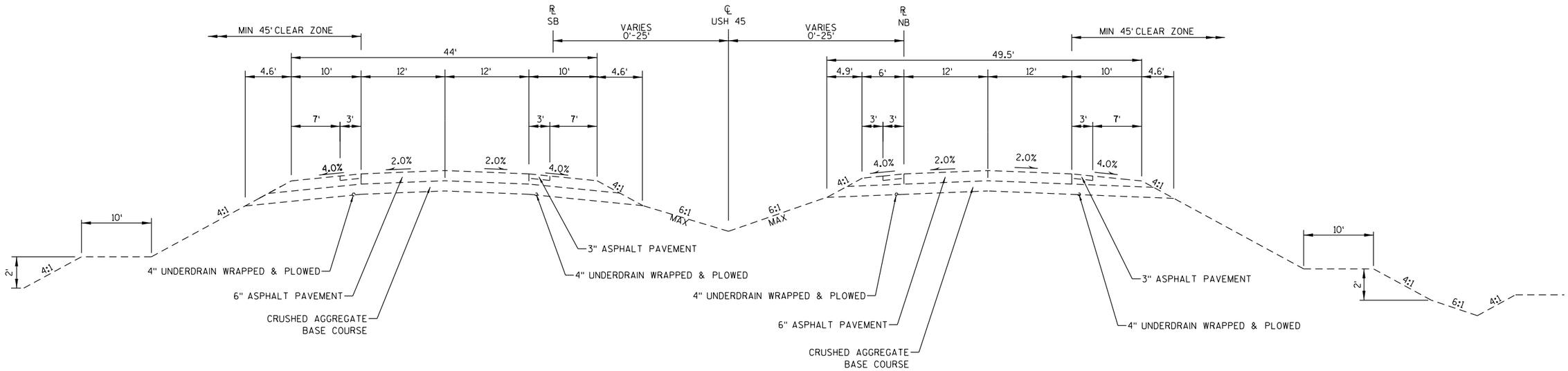
STA 1733NB+13 TO STA 1756NB+94.8
STA 102NB+20.23 TO STA 137NB+00
STA 159NB+00 TO STA 375NB+00
STA 427NB+00 TO STA 745NB+08

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

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PRE_11

2



EXISTING TYPICAL SECTION

USH 45

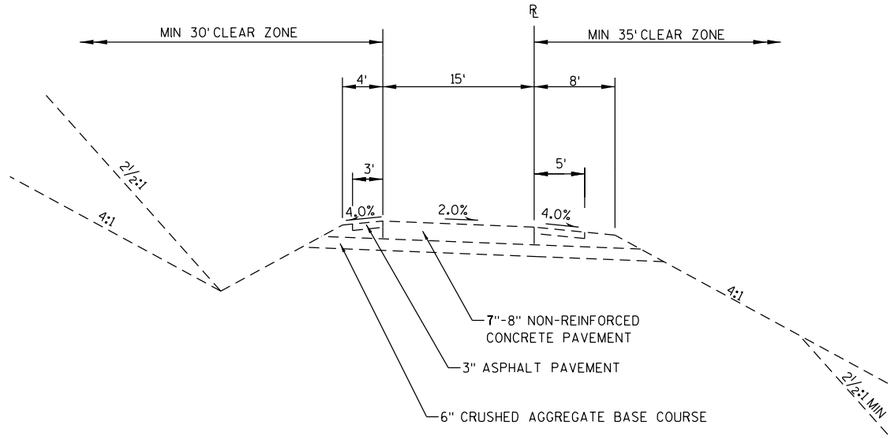
STA 385SB+98 TO STA 412SB+60
STA 385NB+98 TO STA 412NB+45

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

PRE_12

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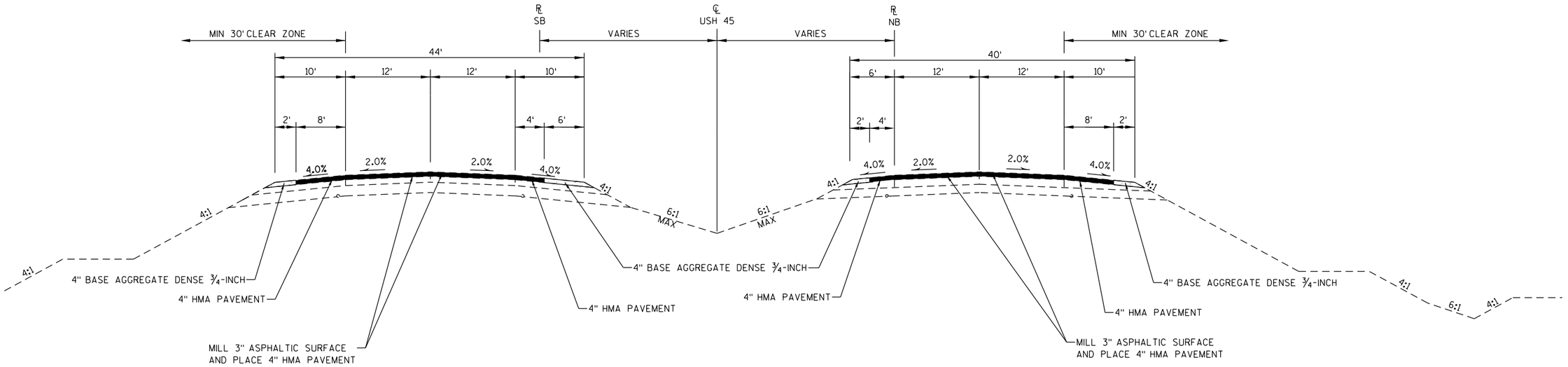
EXISTING TYPICAL SECTION

USH 45 RAMPS

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

PRE_13

2

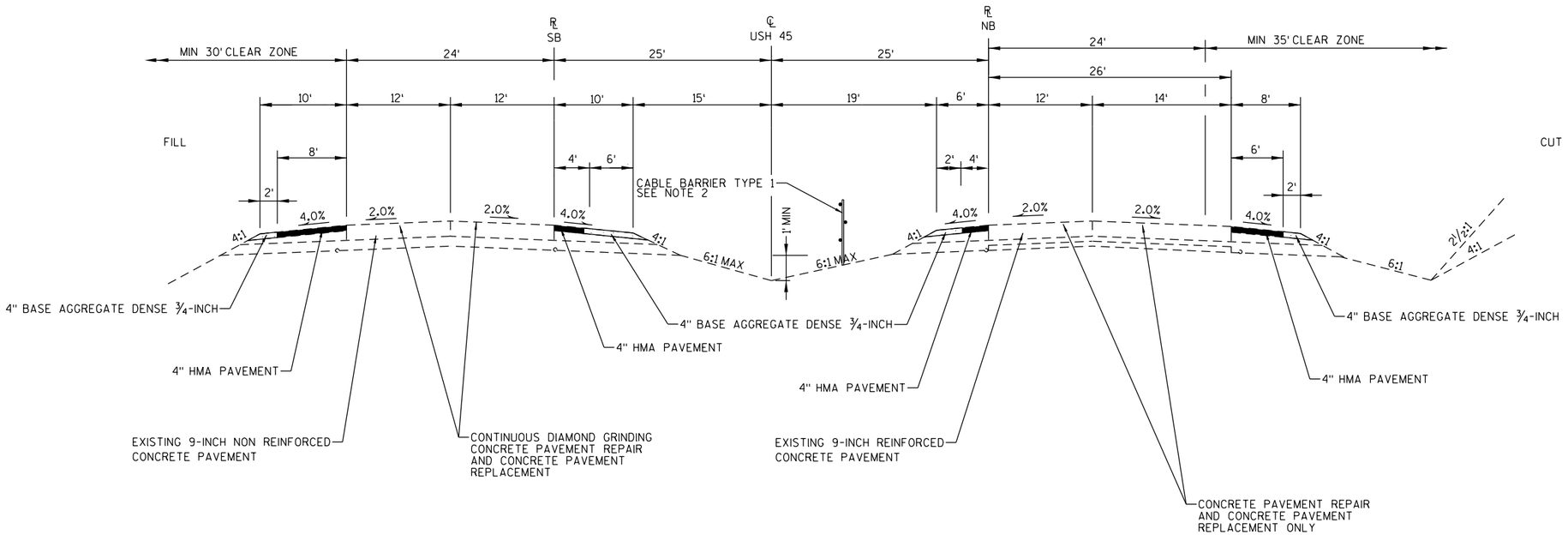


TYPICAL FINISHED SECTION
USH 45

STA 1688SB+05 TO STA 1732SB+88
STA 1694NB+70 TO STA 1733NB+13

NOTE:
1) EXISTING ASPHALTIC SHOULDER TO BE REMOVED
2) EXISTING ASPHALTIC SURFACE TO BE MILLED & REPLACED

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E



TYPICAL FINISHED SECTION

USH 45

STA 1732SB+88 TO STA 1756SB+94.8
STA 102SB+20.23 TO STA 164SB+00
STA 756SB+48 TO STA 787SB+43

STA 137NB+00 TO STA 159NB+00
STA 375NB+00 TO STA 385NB+98
STA 412NB+45 TO STA 427NB+00
STA 745NB+08 TO STA 787NB+43

NOTE:

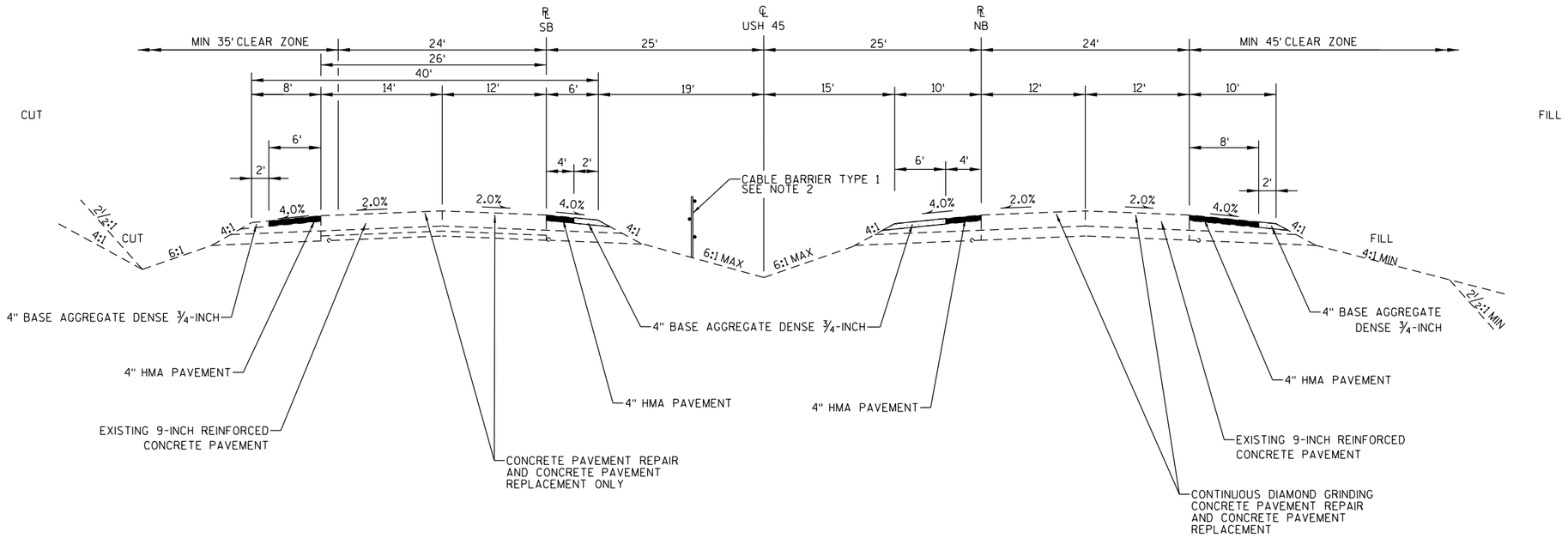
1) EXISTING ASPHALTIC SHOULDER TO BE REMOVED

2) CABLE BARRIER TYPE 1 TO BE PLACED FROM STA 142+50 TO STA 669+00 (SEE CONSTRUCTION DETAIL)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

PRE_15

2



TYPICAL FINISHED SECTION

USH 45

STA 164SB+00 TO STA 385SB+98
STA 412SB+60 TO STA 504SB+50
STA 741SB+24 TO STA 756SB+48

STA 1733NB+10 TO STA 1756NB+94.8
STA 102NB+20.23 TO STA 137NB+44
STA 159NB+00 TO STA 375NB+00
STA 427NB+00 TO STA 504NB+52
STA 741NB+08 TO STA 745NB+08

NOTE:

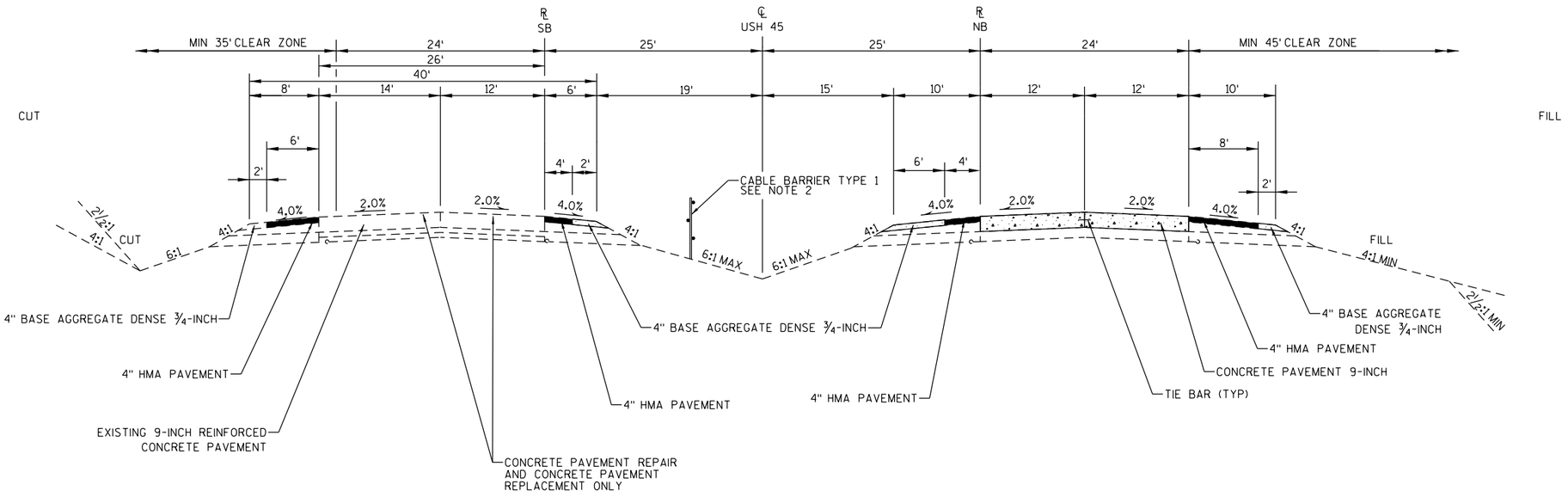
1) EXISTING ASPHALTIC SHOULDER TO BE REMOVED

2) CABLE BARRIER TYPE 1 TO BE PLACED FROM STA 142+50 TO STA 669+00 (SEE CONSTRUCTION DETAIL)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\020302_TS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

2



TYPICAL FINISHED SECTION

USH 45

STA 506SB+46 TO STA 739SB+39
STA 506NB+55 TO STA 739NB+10

NOTE:

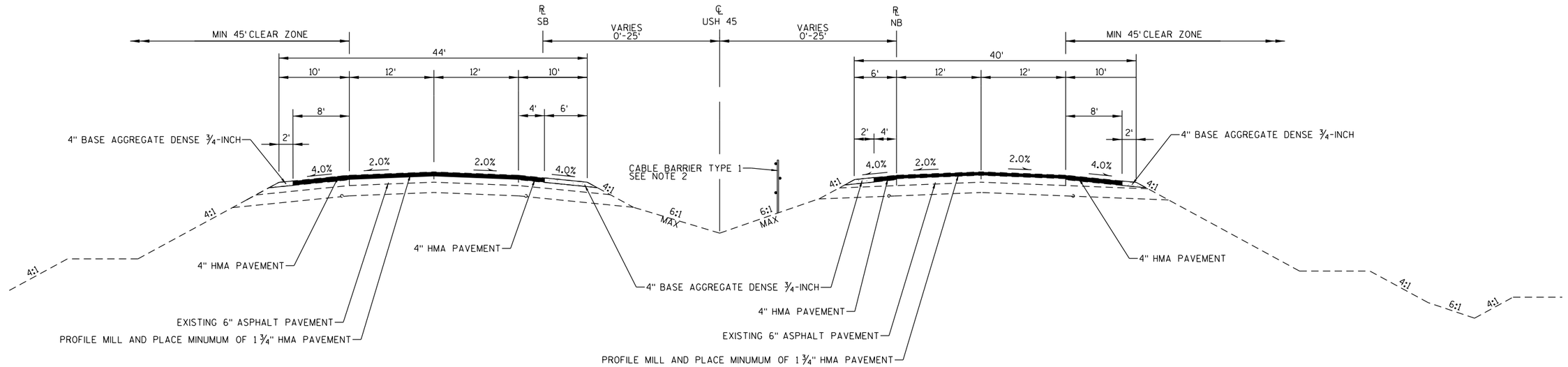
1) EXISTING ASPHALTIC SHOULDER TO BE REMOVED

2) CABLE BARRIER TYPE 1 TO BE PLACED FROM STA 142+50 TO STA 669+00 (SEE CONSTRUCTION DETAIL)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

PRE_17

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\020302_TS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



TYPICAL FINISHED SECTION
USH 45

STA 385SB+98 TO STA 412SB+60
STA 385NB+98 TO STA 412NB+45

NOTE:

1) EXISTING ASPHALTIC SHOULDER TO BE REMOVED

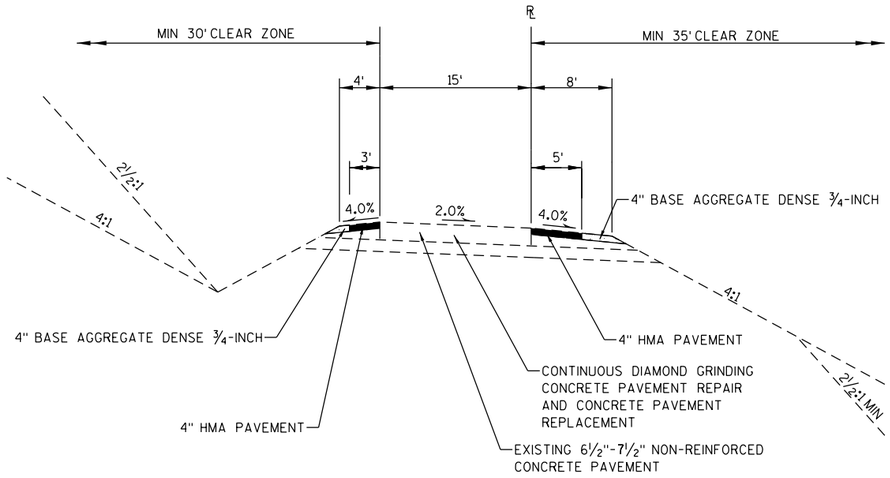
2) CABLE BARRIER TYPE 1 TO BE PLACED FROM STA 142+50 TO STA 669+00 (SEE CONSTRUCTION DETAIL)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

PRE_18

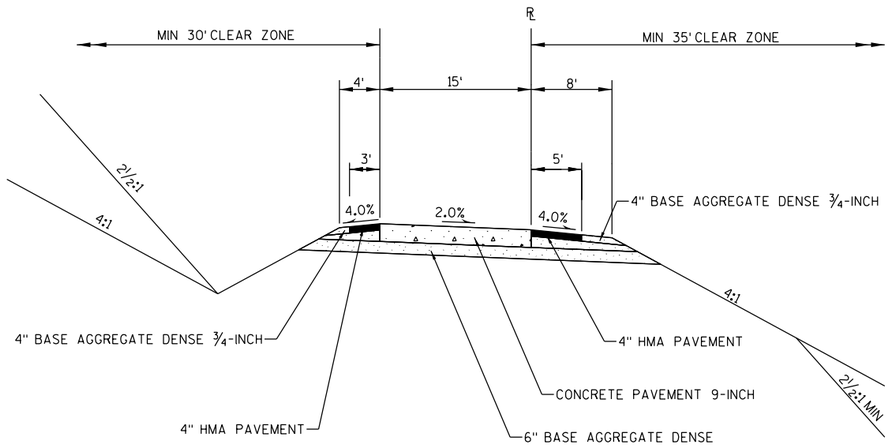
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WISDOT/CADDS SHEET 42



TYPICAL FINISHED SECTION

USH 45 RAMPS



TYPICAL FINISHED SECTION

USH 45 PARALLEL RAMPS

NOTE:

1) EXISTING ASPHALTIC SHOULDER TO BE REMOVED

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TYPICAL SECTIONS	SHEET E

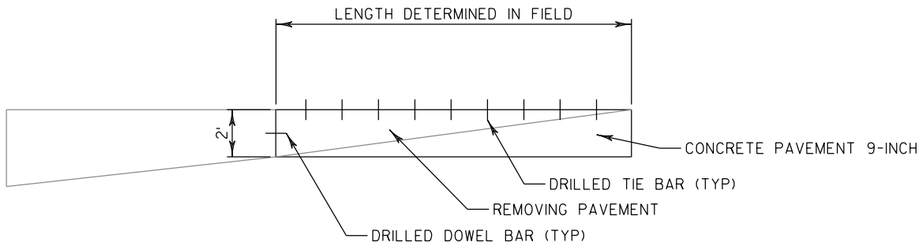
PRE_19

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\020302_TS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

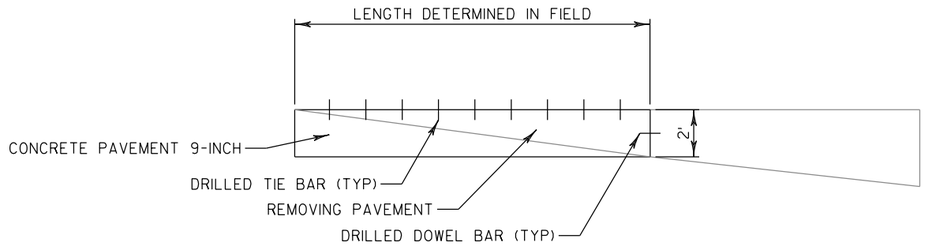
WISDOT/CADDS SHEET 42

NOTE:

SEE SDD "CONCRETE PAVEMENT REPAIR AND REPLACEMENT" FOR TIE BAR SPACING.

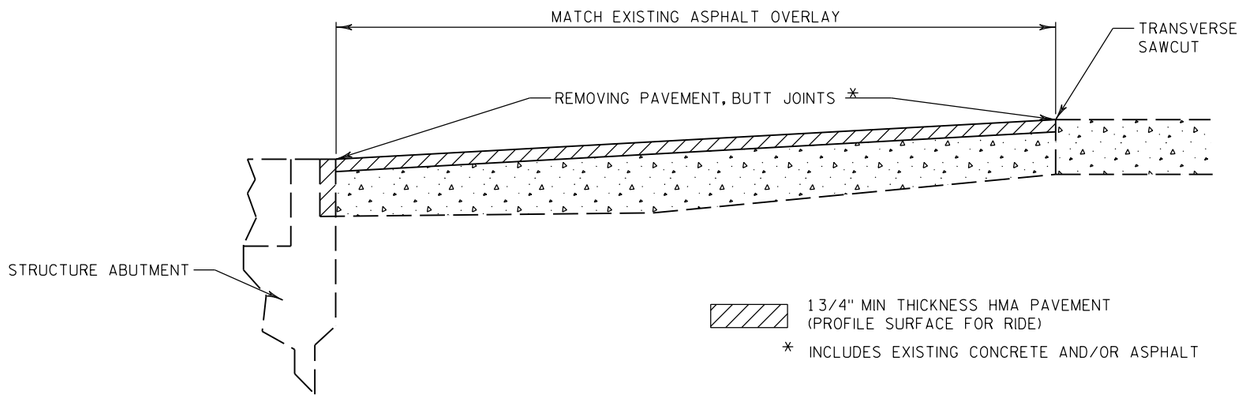


ENTRANCE RAMP PLAN VIEW



EXIT RAMP PLAN VIEW

CONCRETE JOINT DETAIL

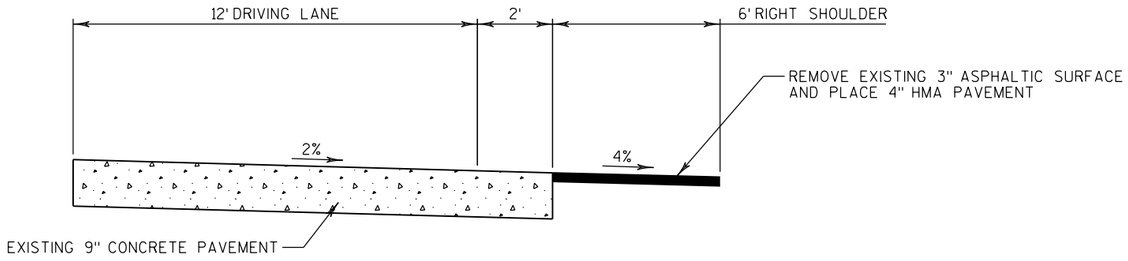


PROFILE VIEW OF APPROACH

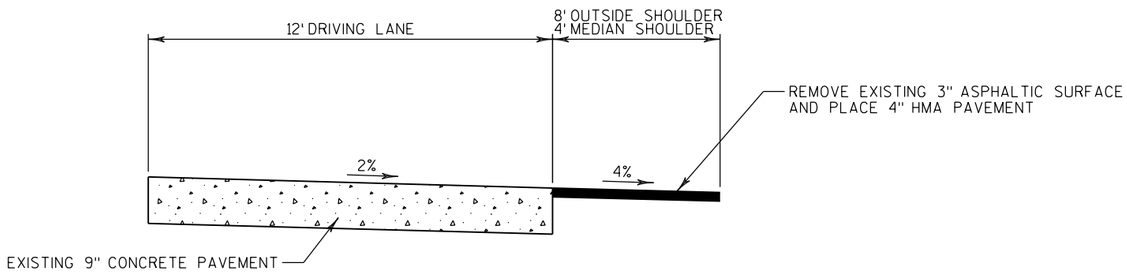
BRIDGE APPROACH REPAIR DETAIL

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CONSTRUCTION DETAILS	SHEET E

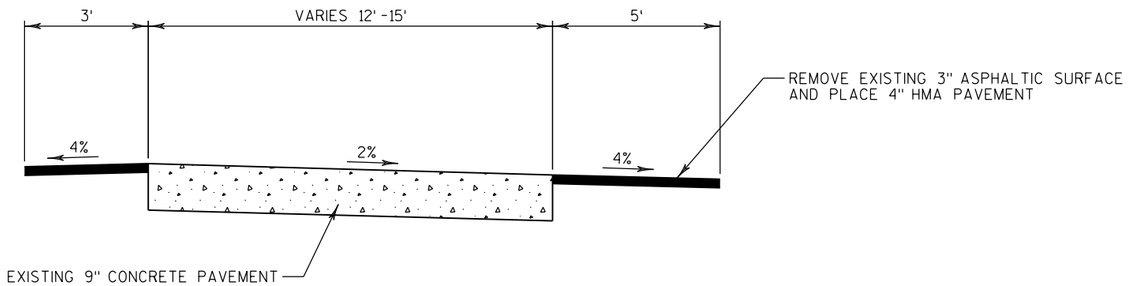
2



SHOULDER DETAIL - 14' LANE



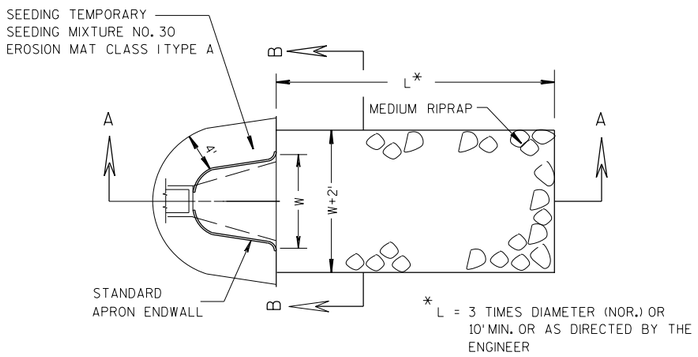
SHOULDER DETAIL - 12' LANE

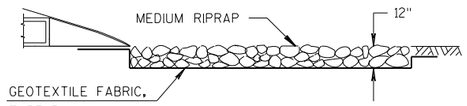


SHOULDER DETAIL - RAMP

NOTE:

HMA PAVEMENT SHALL BE PLACED IN ONE LIFT.



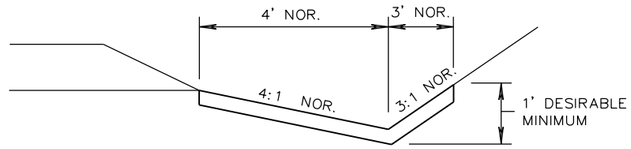


SECTION A-A

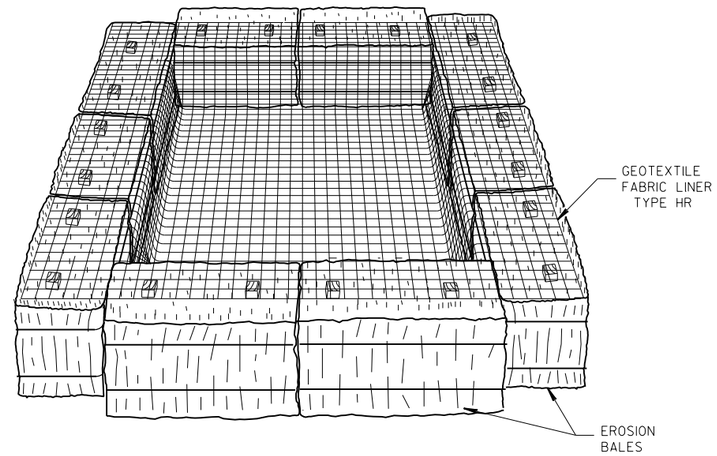


SECTION B-B

E-MAT, SEED, RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS



EROSION MAT DETAIL FOR DITCHES



TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

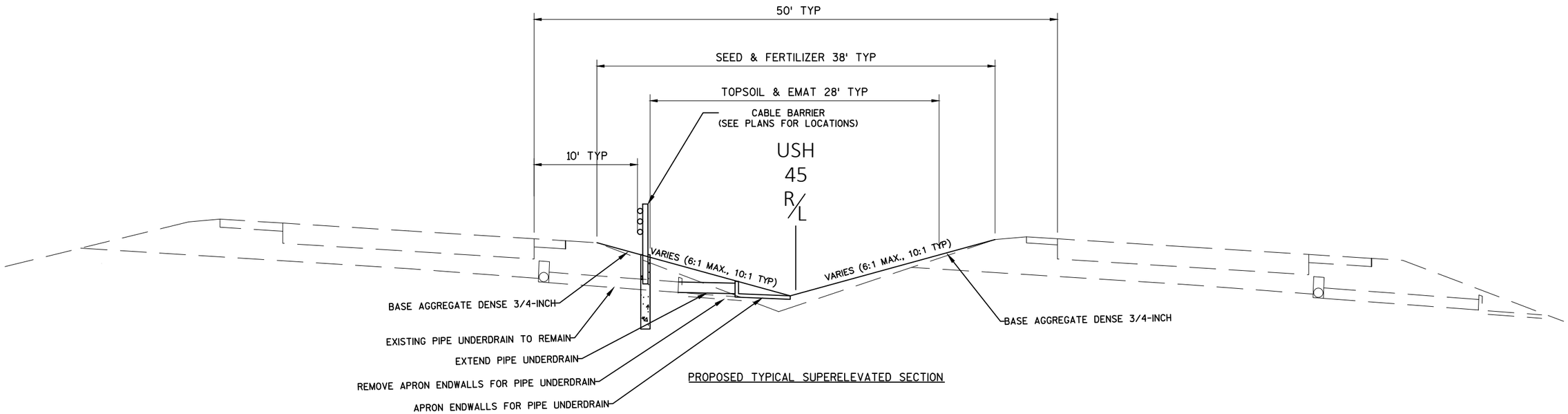
SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.

$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}}$ = 533 S.F.

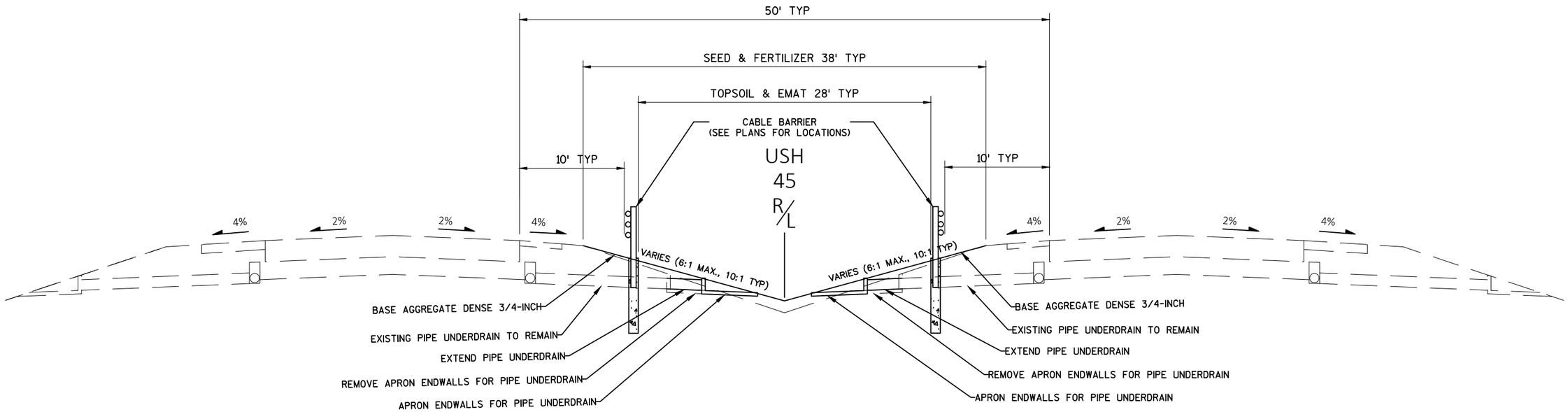
USE A 20 FT. X 27 FT. BASIN

PAID AS GEOTEXTILE FABRIC TYPE HR
AND EROSION BALES

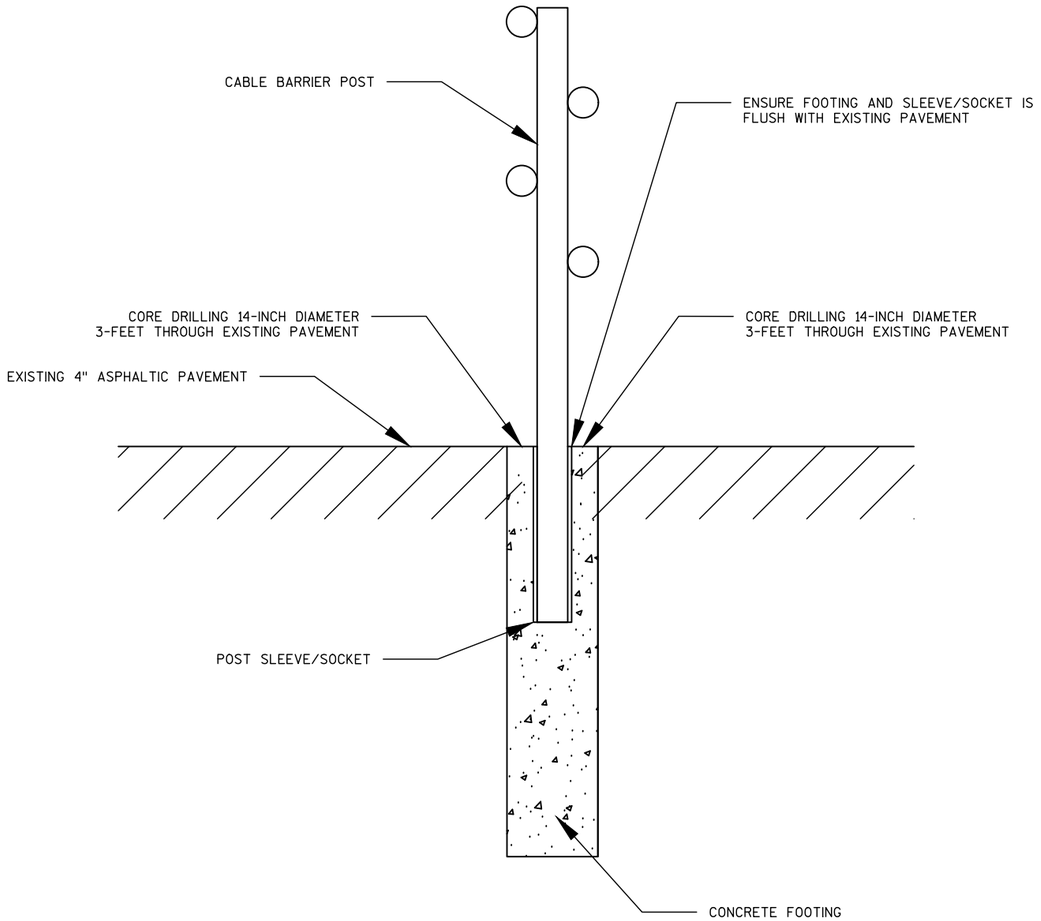
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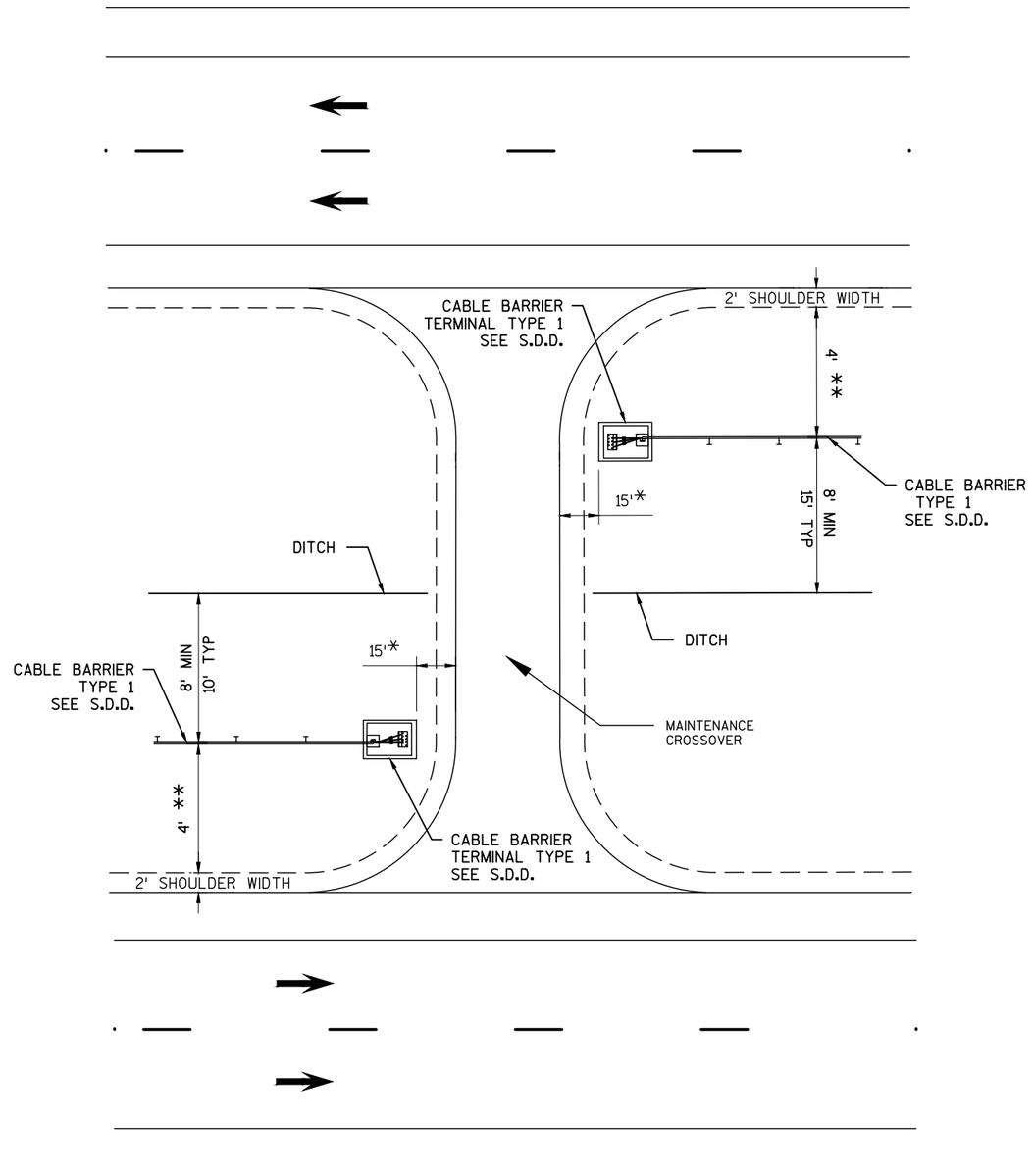
PROPOSED TYPICAL SUPERELEVATED SECTION



PROPOSED TYPICAL SECTION



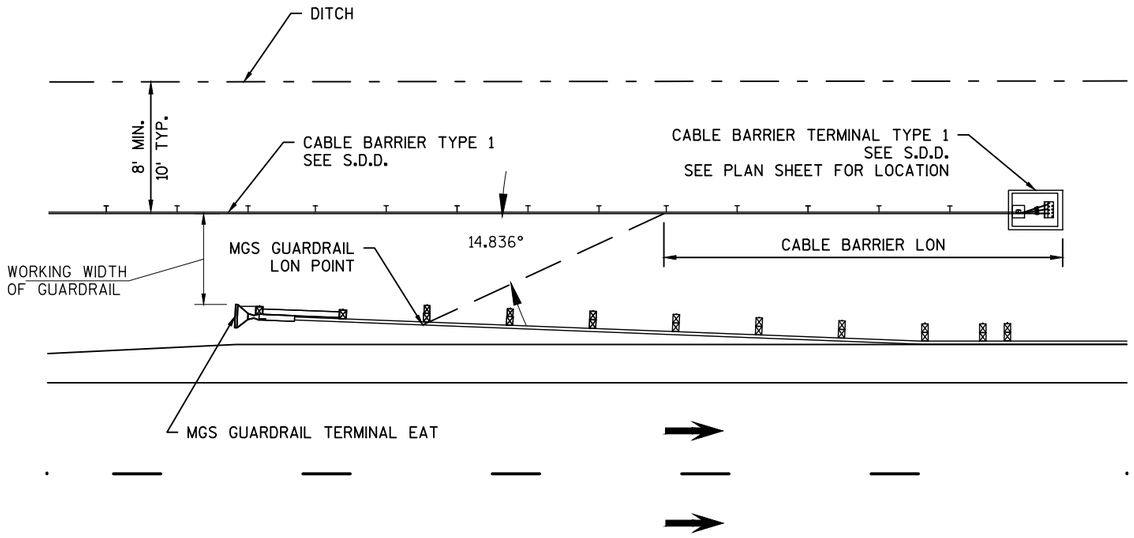
CABLE BARRIER FOOTING IN PAVEMENT
AT EMERGENCY CROSSOVER



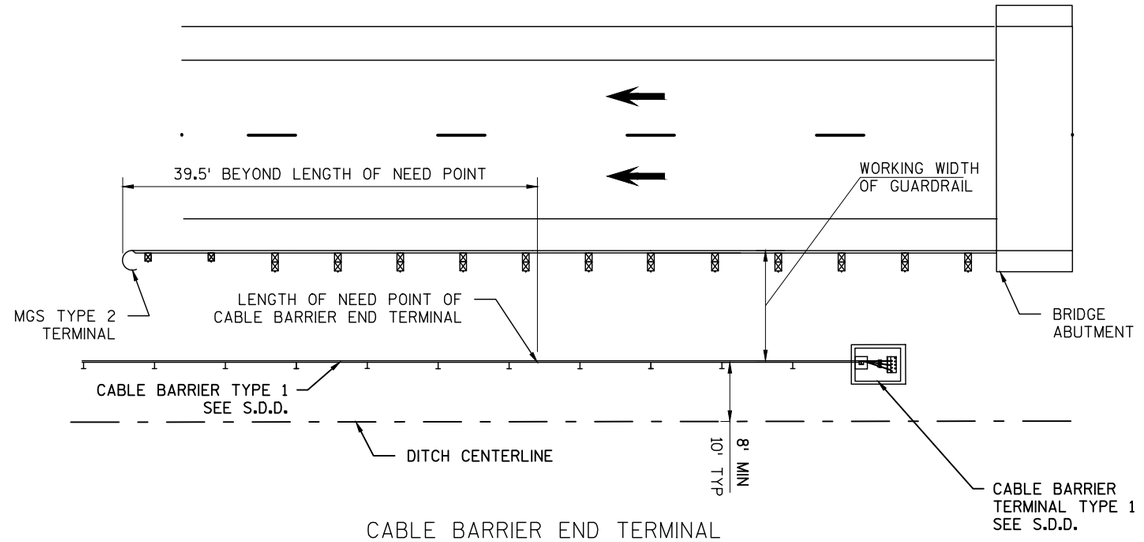
CABLE BARRIER END TERMINAL
AT MAINTENANCE CROSSOVER

* DISTANCE MEASURED FROM EDGE OF ASPHALT

** DISTANCE MEASURED FROM SHOULDER BREAK POINT



CABLE BARRIER END TERMINAL
AT MGS GUARDRAIL TERMINAL EAT



CABLE BARRIER END TERMINAL
AT MGS TYPE 2 TERMINAL

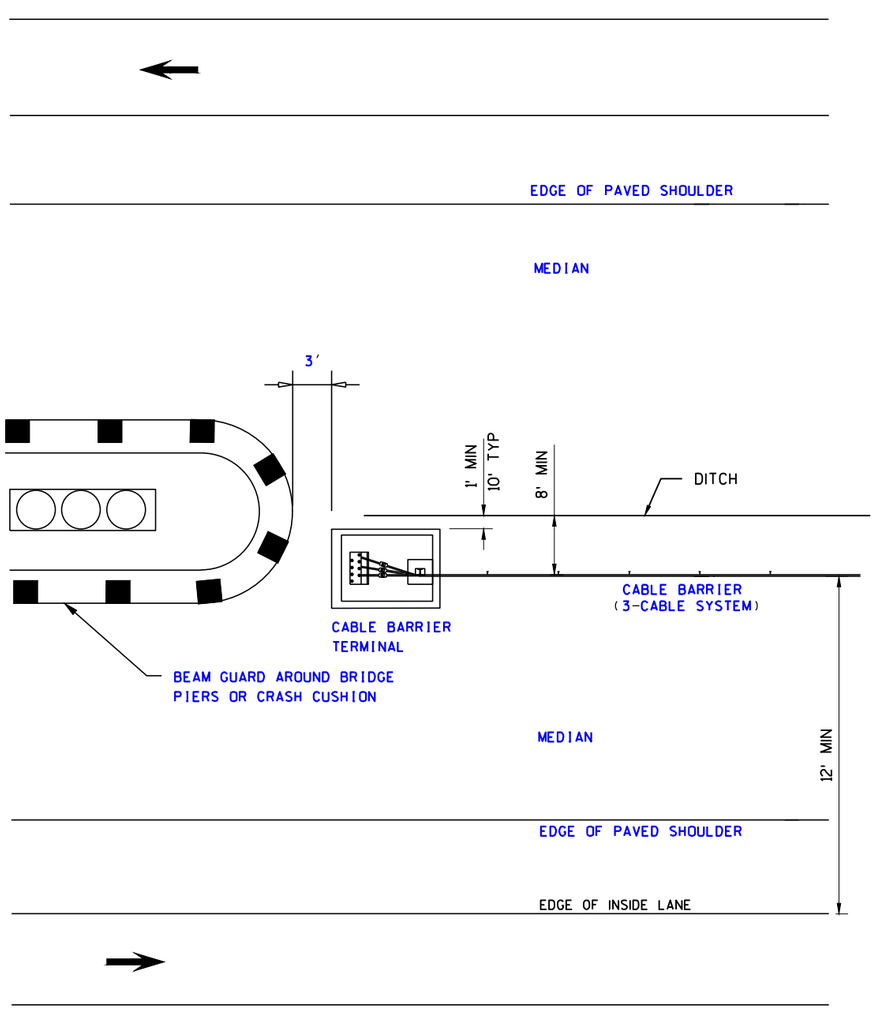
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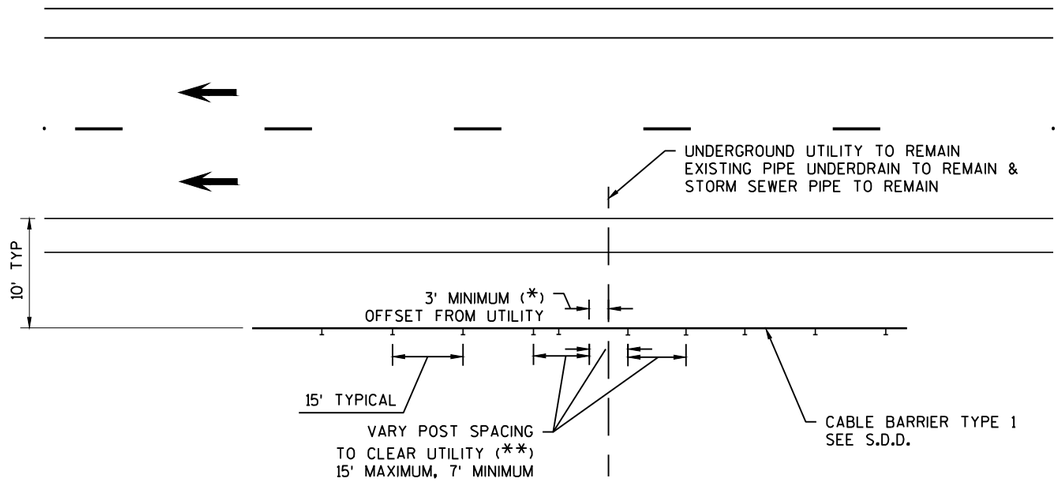
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CONSTRUCTION DETAIL	SHEET E

PRE_25

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\222000200_021001_CD.DWG
LAYOUT NAME - 021002_CD
PLOT DATE : 8/8/2019 9:00 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:200 FT

CABLE BARRIER TERMINAL END





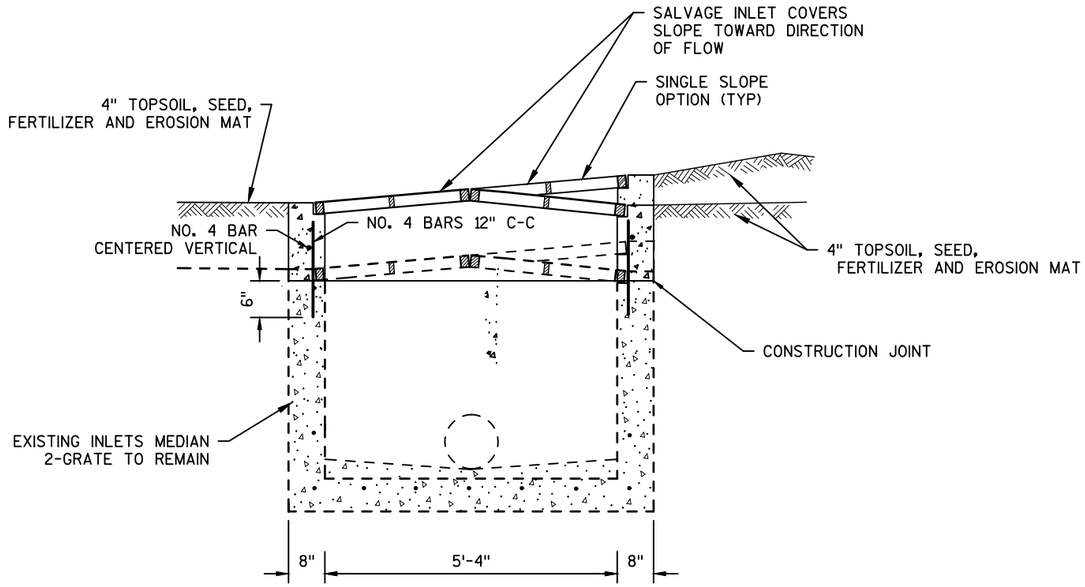
CABLE BARRIER AT UNDERGROUND UTILITY

GENERAL NOTES:

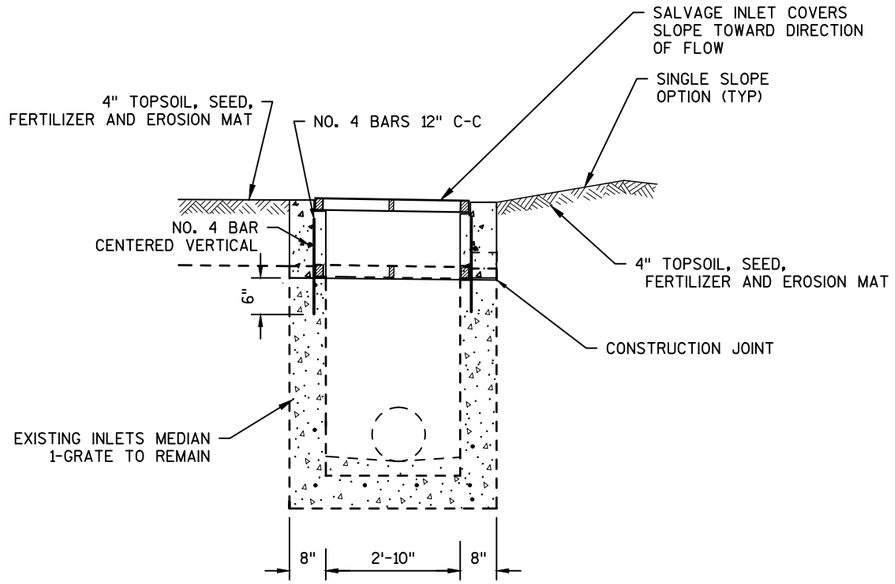
HIGH PRESSURE GAS PIPELINE STA 155+00+/-

* 3' MINIMUM OFFSET FROM ALL OTHER UTILITIES. 7' MINIMUM OFFSET FROM HIGH PRESSURE GAS PIPELINE (SEE PLANS FOR LOCATION).

** VARY POST SPACING SO THE HIGH PRESSURE GAS PIPELINE IS AT THE CENTER OF THE 15-FT POST SPACING.



RECONSTRUCTING INLETS



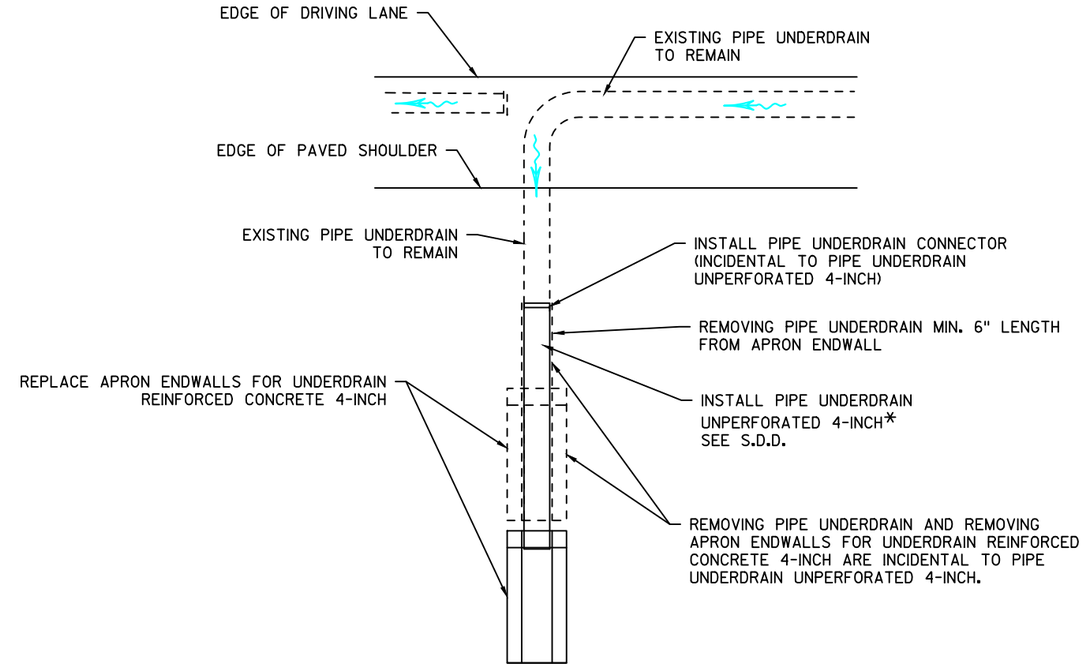
RECONSTRUCTING INLETS

GENERAL NOTES:

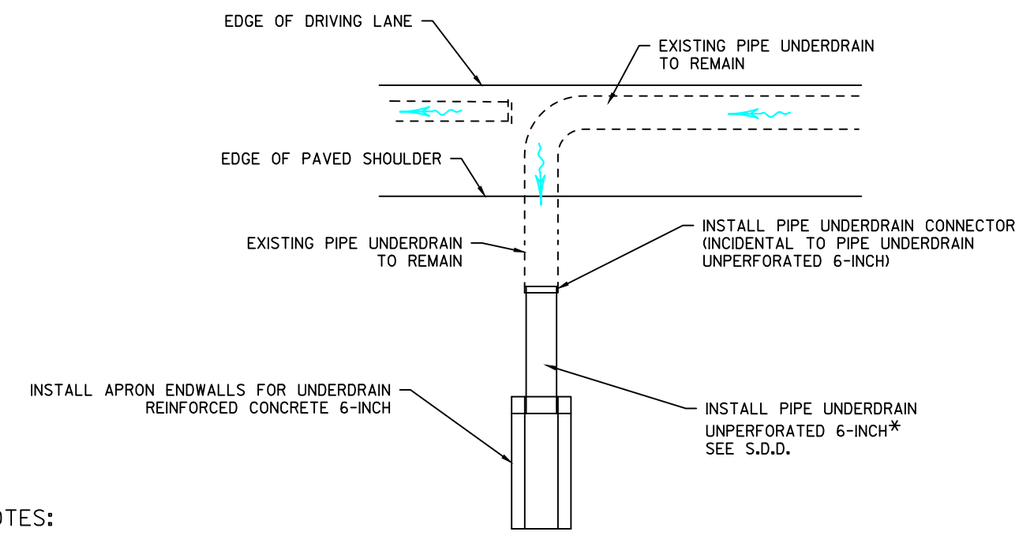
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

SEE S.D.D. "INLETS MEDIAN 1 & 2 GRATE" FOR MORE INFORMATION



EXTEND
PIPE UNDERDRAIN 4-INCH

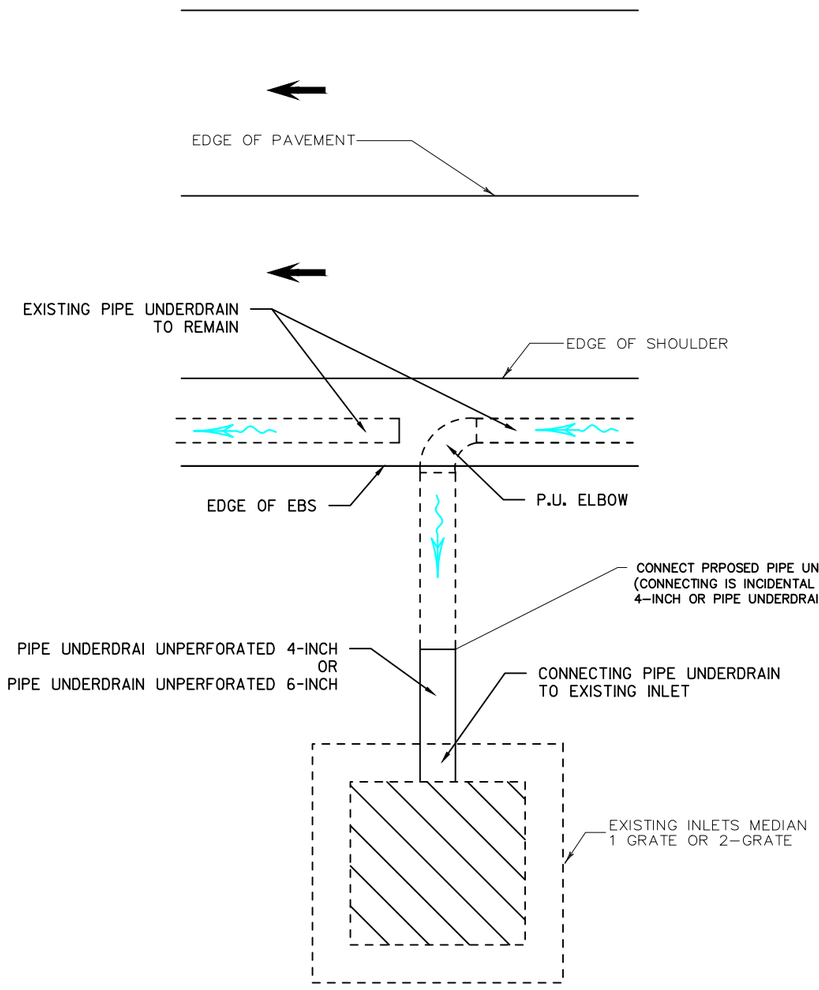


EXTEND
PIPE UNDERDRAIN 6-INCH

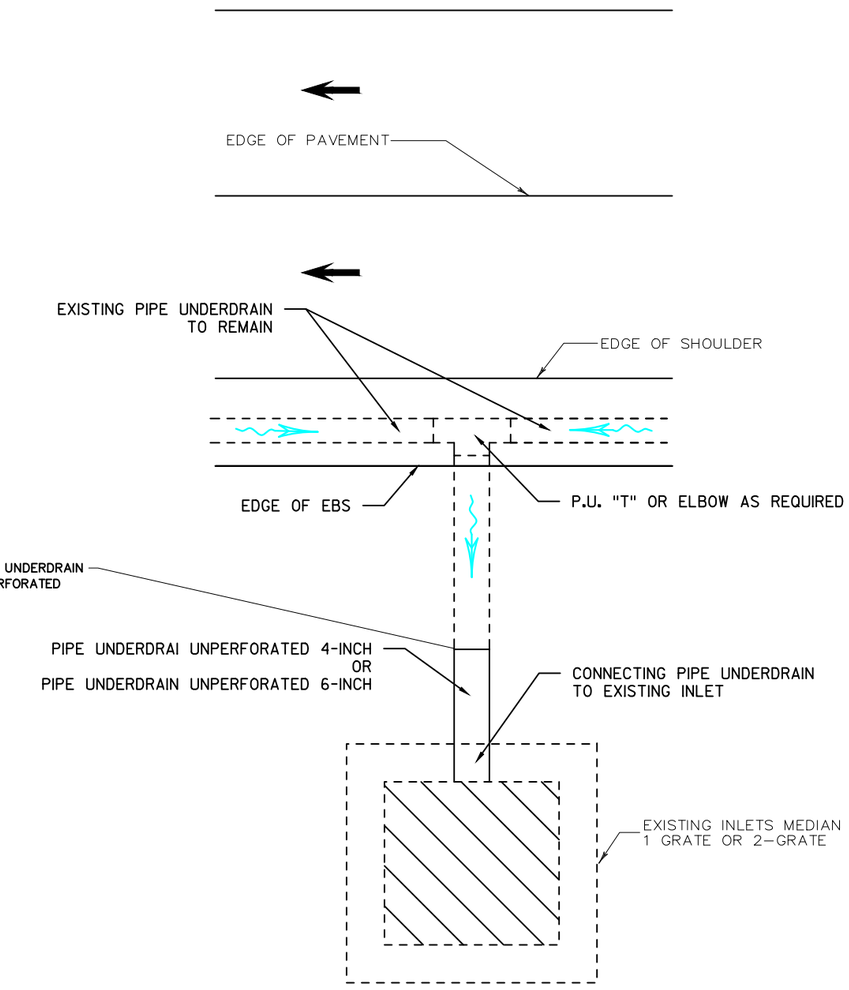
GENERAL NOTES:

SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS OR AS DIRECTED BY FIELD ENGINEER.
FIELD VERIFY ALL PIPE UNDERDRAIN LOCATIONS.
SEE S.D.D. FOR MORE INFORMATION.

*USE PVC MATERIAL CONFORMING TO SDD



INTERMEDIATE LOCATIONS AT INLETS

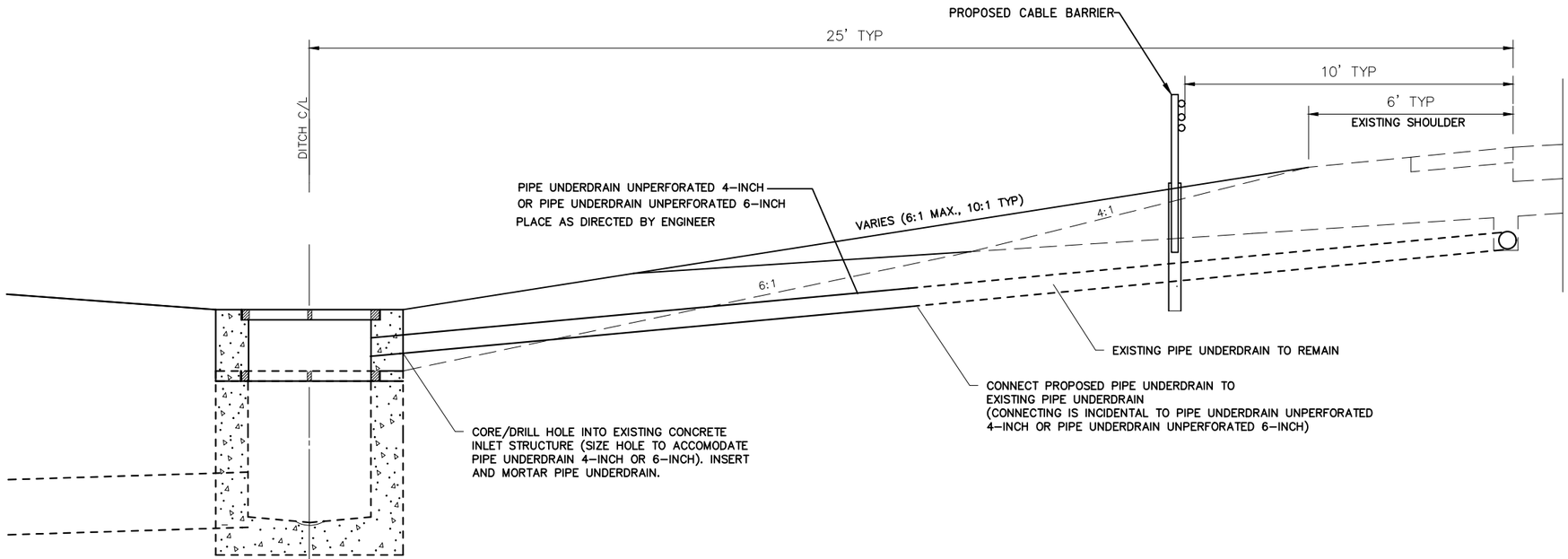


LOW POINT LOCATIONS

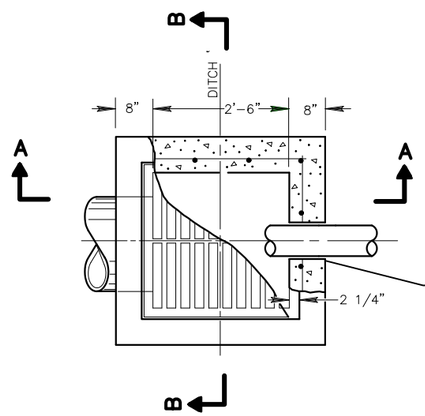
DETAIL FOR PIPE UNDERDRAIN OUTFALLS

(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)

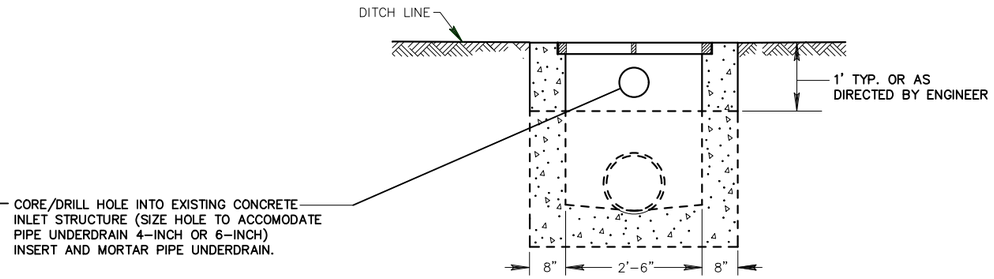
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SECTION A–A



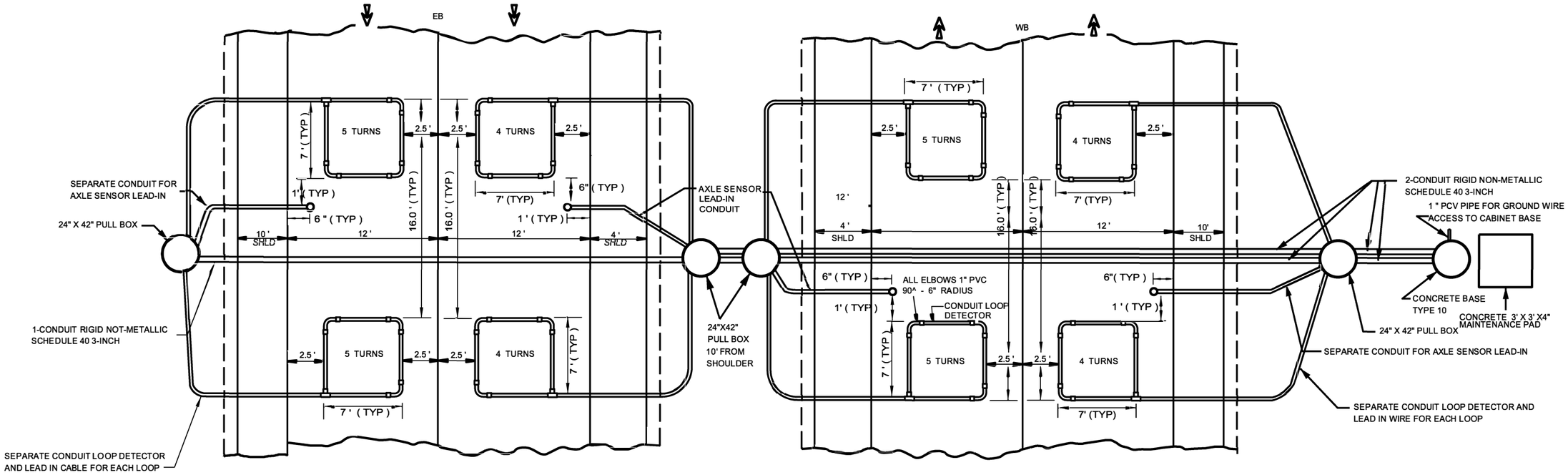
PLAN VIEW
EXISTING INLET (TYP.)



SECTION B–B

CONNECTING PIPE UNDERDRAIN TO EXISTING INLET

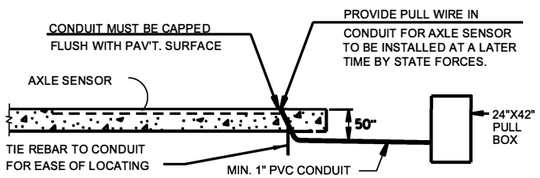
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)
NOT TO SCALE



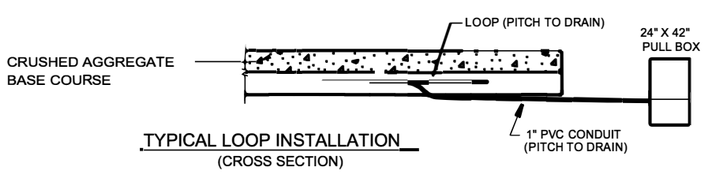
ATR CLASSIFICATION DETECTOR INSTALLATION

ATR 66-0051 STA 150+00 +/- 100 '

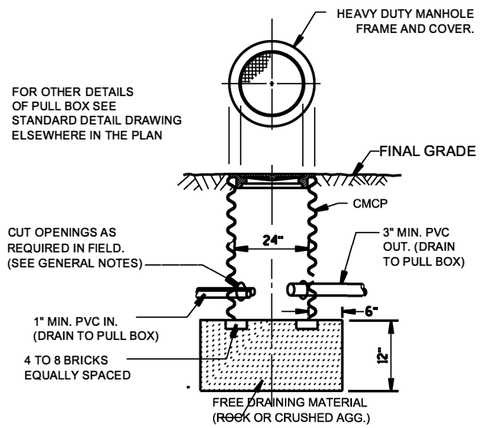
ITEM DESCRIPTION	QUANTITY
CONDUIT LOOP DETECTOR	224 LF
LOOP DETECTOR WIRE	1488 LF
LOOP DETECTOR LEAD IN CABLE	824 LF
CONDUIT RIGID NON-METALLIC SCH 40 1-INCH	312 LF
CONDUIT RIGID NON-METALLIC SCH 80 3-INCH	314 LF
PULL BOXES STEEL 24X42-INCH	4 EA.
CONCRETE CONTROL CABINET BASE TYPE 10 WITH MAINTENENCE PLATFORM 3' X 3' X 4"	1 EA.



TYPICAL AXLE WHEEL SENSOR INSTALLATION
(CROSS SECTION)



TYPICAL LOOP INSTALLATION
(CROSS SECTION)



24" X 42" PULL BOX DETAIL
(SEE S.D.D. FOR ADDITIONAL INFORMATION)

GENERAL NOTES

DO NOT CHANGE THE LOOP DESIGN. OTHER DESIGNS DO NOT WORK WITH OUR EQUIPMENT.

ALL LOOPS TO HAVE THE NUMBER OF TURNS INDICATED ON DETAIL. LOOP WIRE SHALL BE NO. 12 AWG TYPE USE, WITH XLP INSULATION, STRANDED COPPER. LOOP LEAD WIRE FROM LOOP TO PULL BOX TO BE TWISTED AT LEAST 3 TURNS PER FOOT BEFORE INSTALLATION.

THE TWO SINGLE CONDUCTOR LOOP WIRES SHALL BE TWISTED TOGETHER AT A RATE OF 3-4 TWISTS PER FOOT FROM THE EXIT OF THE LOOP TO THE CONTROL CABINET BASE OR ITS CONNECTION WITH LOOP LEAD-IN CABLE AT THE PULL BOX. THESE TWISTED SINGLE CONDUCTOR PAIRS SHALL BE INSTALLED IN WELL DRAINED, PVC CONDUIT.

ALL LOOP INSTALLATIONS SHALL HAVE THE LOOP DETECTOR CONDUIT PITCHED TO DRAIN TO THE PULL BOX.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT OR DUCT THAT IS TO FIT IN THE OPENING, PLUS NO MORE THAN ,".

LOOP WIRE TO LEAD-IN CABLE SPICES SHALL BE MADE ONLY IN THE PULL BOX WHICH IS NEAR THE EDGE OF THE ROAD. ALL SPLICES SHALL BE MADE AS SOON AS POSSIBLE AFTER WIRES ARE INSTALLED. A SPLICE OF A TWO CONDUCTOR CABLE CONSISTS OF TWO SOLDERED JOINTS ENCLOSED IN A SINGLE SPLICE KIT. EACH SOLDERED CONNECTION SHALL BE INSULATED FROM ONE ANOTHER. ALL SPLICES SHALL BE MADE WITH EPOXY TYPE SPLICE KITS SUCH AS "3M 82A1" OR APPROVED EQUAL.

IF A SPLICE TO THE LEAD-IN WIRE CANNOT BE MADE THE DAY THAT THE WIRE IS INSTALLED, THE WIRE ENDS SHALL BE SEALED WITH TAR OR SCOTCHKOTE TO KEEP WATER OUT OF THE INSULATING JACKET OF THE WIRE.

TWO CONDUCTOR, NO. 12 AWG, LOOP DETECTOR LEAD IN CABLE SHALL BE USED FROM THE SPLICE CONNECTION AT THE PULL BOX TO THE CONTROL CABINET.

DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS IN THE PULL BOX AND CABINET.

A COMPLETE "AS BUILT" WIRING DIAGRAM SHOWING LOOPS, CONNECTIONS AND LEAD-INS, SHALL BE PROVIDED TO THE ENGINEER AND JANE OLDENBURG - WI DOT - TRAVEL SURVEY SHOP, 3633 PIERSTORFF ST., MADISON, WI 53704, 608-245-2679, UPON COMPLETION OF THE LOOP WIRING INSTALLATION.

DRAIN SUMPS FOR CONDUIT, INCLUDING ALL LABOR, FITTINGS AND MATERIALS SHALL BE INCIDENTAL TO THE INSTALLED UNIT COST OF THE CONDUIT.

THE CONTRACTOR SHALL FURNISH THE FOLLOWING: LOOP AND AXLE SENSOR DETECTOR CONDUIT 1", LOOP DETECTOR WIRE, 3" P.V.C. CONDUIT, TYPE 10 CONCRETE CONTROL CABINET BASE TYPE 10 AND MAINTENANCE PLATFORM AND 24" x 42" PULL BOXES PER THIS DETAIL AND AS SHOWN ON CONSTRUCTION DETAIL SHEET, PULL BOX.

NO JOINTS OR PAVEMENT CORING ALLOWED 6 FEET EITHER SIDE OF LOOP AND PIEZO AREA.

A 2' 1/2 " DIA. PIECE OF REBAR SHOULD BE USED TO SUPPORT THE AXLE SENSOR CONDUIT. THIS AIDS IN SUPPORT DURING CONCRETE POUR AND AIDS LOCATING LATER. PUT A TEMPORARY COVERING OVER THE AXLE SENSOR CONDUIT END THAT CAN BE REMOVED OR PUNCTURED LATER, BUT WILL KEEP THE CONCRETE OUT OF THE PVC CONDUIT, SUCH AS DUCT TAPE, OR PLUMBERS PUTTY.

DESIGNED BY WISDOT CO

PLOT DATE:
PLOT SCALE:
Originator : dotjmo
FILE NAME: atr classification loop detector .dgn

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	INSTALLATION OF CLASSIFICATION ATR	SHEET E

2

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

BEGIN CONSTRUCTION
STA 1688+05

PT 1685+00.74

PC 1679+16.92

PI 1682+10.28

8"
2.4"
4"

1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691

USH 45 SB

R/L USH 45 SB

USH 41 SB

USH 41 NB 1687 1688 1689 1690 1691 1692

USH 45 NB

R/L USH 45 NB

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_31

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021200_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

USH 45 SB

R/L USH 45 SB

B-66-37

B-66-37
NO WORK

PC 1692+43.56

USH 41 SB

USH 41 NB

BEGIN PROJECT ID
2220-02-70
STA 1694+70

R/L USH 45 NB

USH 45 NB

PC 1705+27.65

N

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021201_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_33

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021202_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

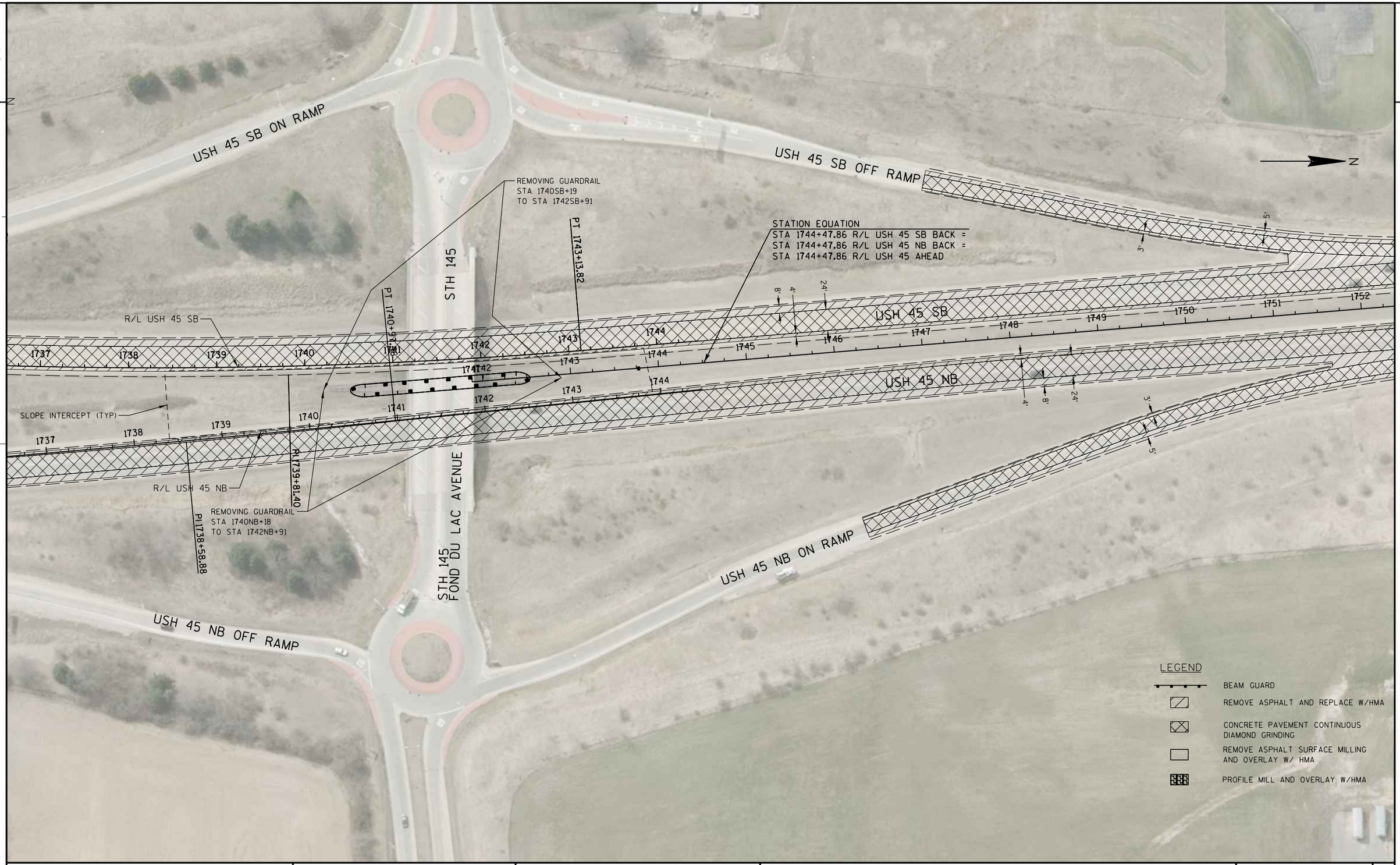


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_34

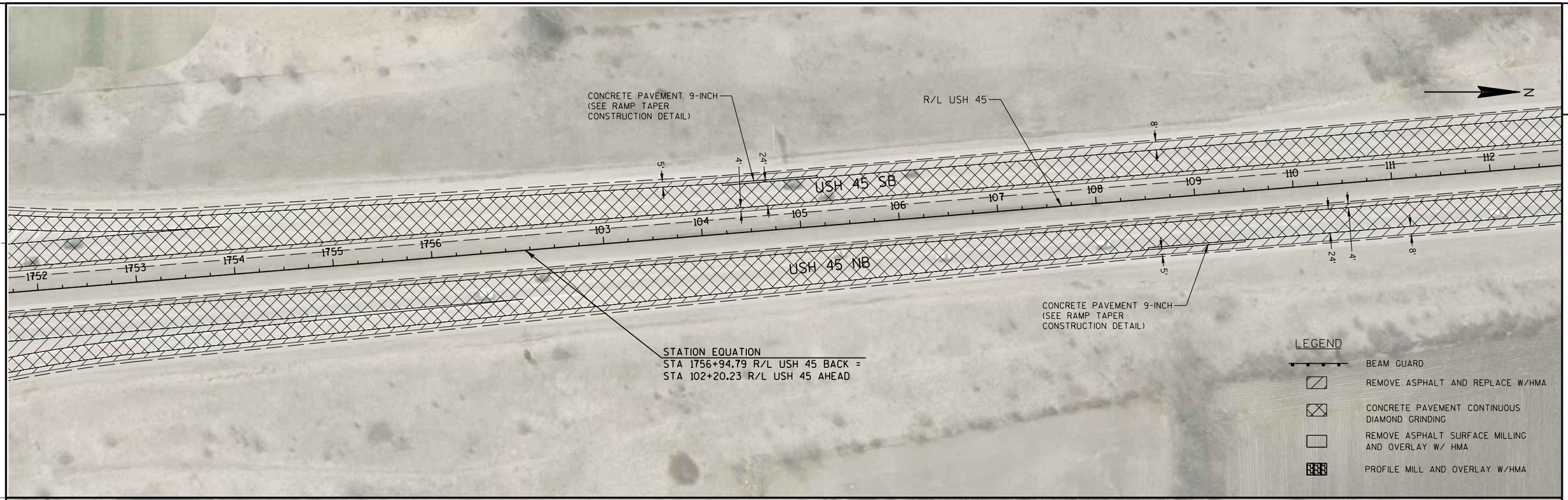
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021203_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

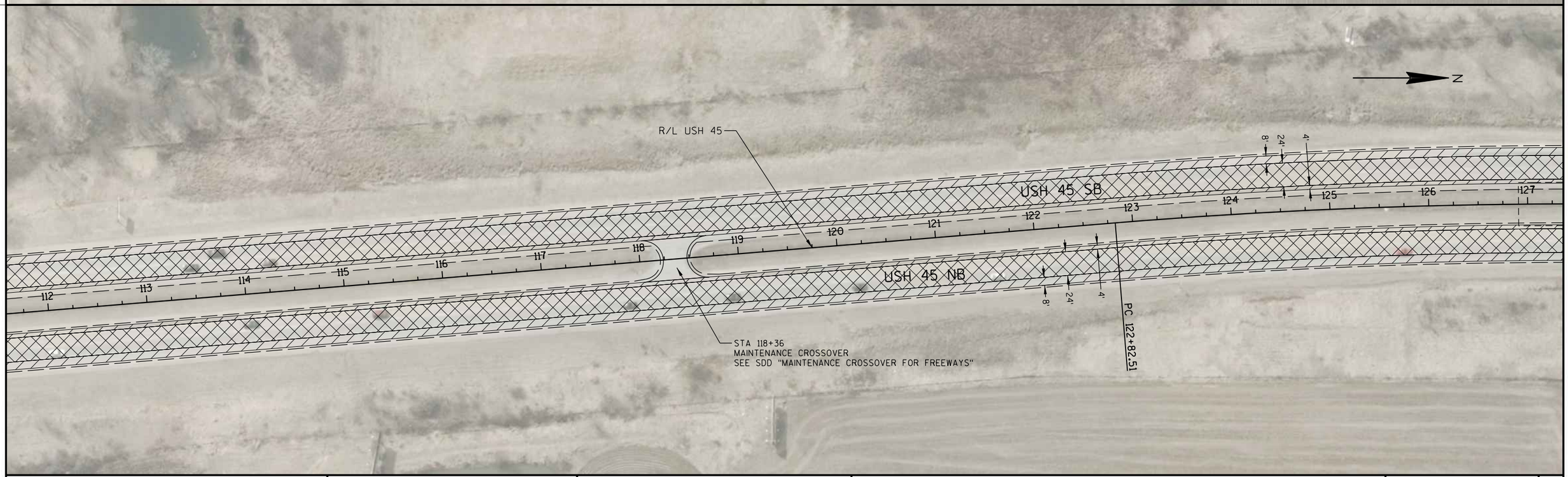
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PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

2





PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_36

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021205_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

N

REMOVING GUARDRAIL
STA 127SB+83
TO STA 130SB+02

EP
PI 128+60.72
EP
EP
EP
EP
EP
EP
EP
WESTERN AVE.

USH 45 SB

127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142

8' 4' 24'

SLOPE INTERCEPT (TYP)

R/L USH 45

PT 134+35.03

USH 45 NB

4' 8'

24' 26' 6' 4'

REMOVING GUARDRAIL
STA 127NB+83
TO STA 130NB+00

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT ONLY

N

R/L USH 45

USH 45 SB

142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157

24' 4' 8'

USH 45 NB

26' 4' 6'

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT ONLY

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_37

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021206_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

USH 45 SB

USH 45 NB

157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

SHERMAN ROAD

REMOVING GUARDRAIL STA 182SB+68 TO STA 184SB+22

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL STA 182SB+71 TO STA 185SB+26

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

B-66-47
NO WORK

B-66-47

B-66-48

B-66-48
OVERLAY MISC. REPAIR

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

USH 45 SB

USH 45 NB

172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187

REMOVING GUARDRAIL STA 179NB+58 TO STA 181NB+62

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL STA 180NB+16 TO STA 181NB+68

REMOVING GUARDRAIL STA 182NB+76 TO STA 184NB+84

REMOVING GUARDRAIL STA 182NB+82 TO STA 183NB+51

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021207_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_38

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

PC 195+95.11

USH 45 SB

USH 45 NB

R/L USH 45

CONCRETE PAVEMENT 9-INCH (SEE RAMP TAPER CONSTRUCTION DETAIL)

PT 215+02.30

STA 208+69
MAINTENANCE CROSSOVER
SEE SDD "MAINTENANCE CROSSOVER FOR FREEWAYS"

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_39

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021208_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

2

LEGEND

BEAM GUARD

REMOVE ASPHALT AND REPLACE W/HMA

CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING

REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA

PROFILE MILL AND OVERLAY W/HMA

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

USH 45 SB ON RAMP

USH 45 SB

USH 45 NB

USH 45 NB OFF RAMP

5'

3'

26'

6'

4'

24'

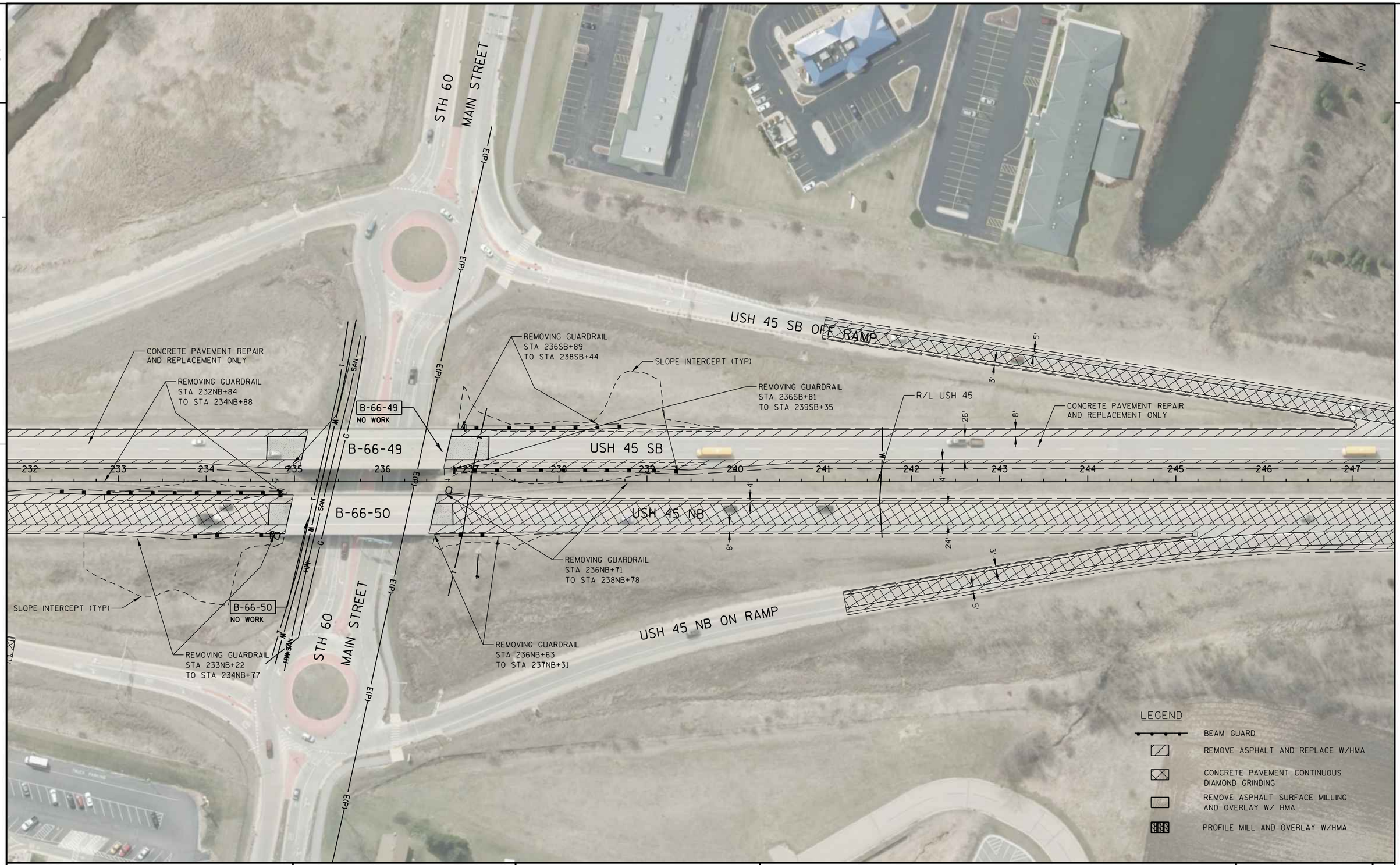
8'

217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_40

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021210_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_41

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

CONCRETE PAVEMENT 9-INCH (SEE RAMP TAPER CONSTRUCTION DETAIL)

R/L USH 45

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

3' 5' 6' 26' 4' 6'

USH 45 SB

247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262

USH 45 NB

5' 5' 4' 24'

CONCRETE PAVEMENT 9-INCH (SEE RAMP TAPER CONSTRUCTION DETAIL)

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

6' 4' 26' 24' 8' 4'

USH 45 SB

262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277

USH 45 NB

24' 8' 4'

STA 268+67
MAINTENANCE CROSSOVER
SEE SDD "MAINTENANCE CROSSOVER FOR FREEWAYS"

PC 272+51.69

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_42

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021211_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

PI 285+66.46

R/L USH 45

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

REMOVING GUARDRAIL STA 288SB+70 TO STA 290SB+83

CTH C
CEDAR CREEK ROAD

USH 45 SB

USH 45 NB

277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292

24' 4' 8'

8' 4' 24'

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL STA 288NB+70 TO STA 290NB+83

N

R/L USH 45

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

USH 45 SB

USH 45 NB

292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307

4' 8' 24' 26' 6' 4'

4' 24' 8'

PT 298+69.77

N

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_43

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021212_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

LEGEND

BEAM GUARD

REMOVE ASPHALT AND REPLACE W/HMA

CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING

REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA

PROFILE MILL AND OVERLAY W/HMA

STA 309+66
MAINTENANCE CROSSOVER
SEE SDD "MAINTENANCE CROSSOVER FOR FREEWAYS"

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

R/L CTH PV SWR RAMP

SLOPE INTERCEPT (TYP)

PARALLEL ENTRANCE RAMP

1320SWR

1322SWR

USH 45 SB

307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322

USH 45 NB

1322SER

R/L CTH PV SER RAMP

PARALLEL EXIT RAMP

PARALLEL ENTRANCE RAMP

REMOVING GUARDRAIL
STA 1331SWR+09
TO STA 1332SWR+55

CONCRETE PAVEMENT 9-INCH

1322SWR 1324SWR 1326SWR 1328SWR 1330SWR 1332SWR 1334SWR 1336SWR

CTH PV SW RAMP

322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337

1322SER 1324SER 1326SER 1328SER 1330SER 1332SER 1334SER 1336SER

CTH PV SE RAMP

REMOVING GUARDRAIL
STA 1330SER+31
TO STA 1332SER+00

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_44

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021213_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

USH 45 SB ON RAMP

1338SWR

SLOPE INTERCEPT (TYP)

CTH PV

PLEASANT VALLEY ROAD

USH 45 SB OFF RAMP

REMOVING GUARDRAIL
STA 348SB+84
TO STA 349SB+71

REMOVING GUARDRAIL
STA 341SB+51
TO STA 344SB+00

REMOVING GUARDRAIL
STA 344SB+52
TO STA 345SB+74

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT ONLY

REMOVING GUARDRAIL
STA 348SB+74
TO STA 349SB+63

REMOVING GUARDRAIL
STA 340SB+85
TO STA 341SB+85

SLOPE INTERCEPT (TYP)

PC 350+67.43

USH 45 SB

337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352

USH 45 NB

R/L USH 45

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL
STA 341NB+48
TO STA 344NB+02

REMOVING GUARDRAIL
STA 340NB+16
TO STA 341NB+77

REMOVING GUARDRAIL
STA 343NB+84
TO STA 345NB+50

1338SER

USH 45 NB OFF RAMP

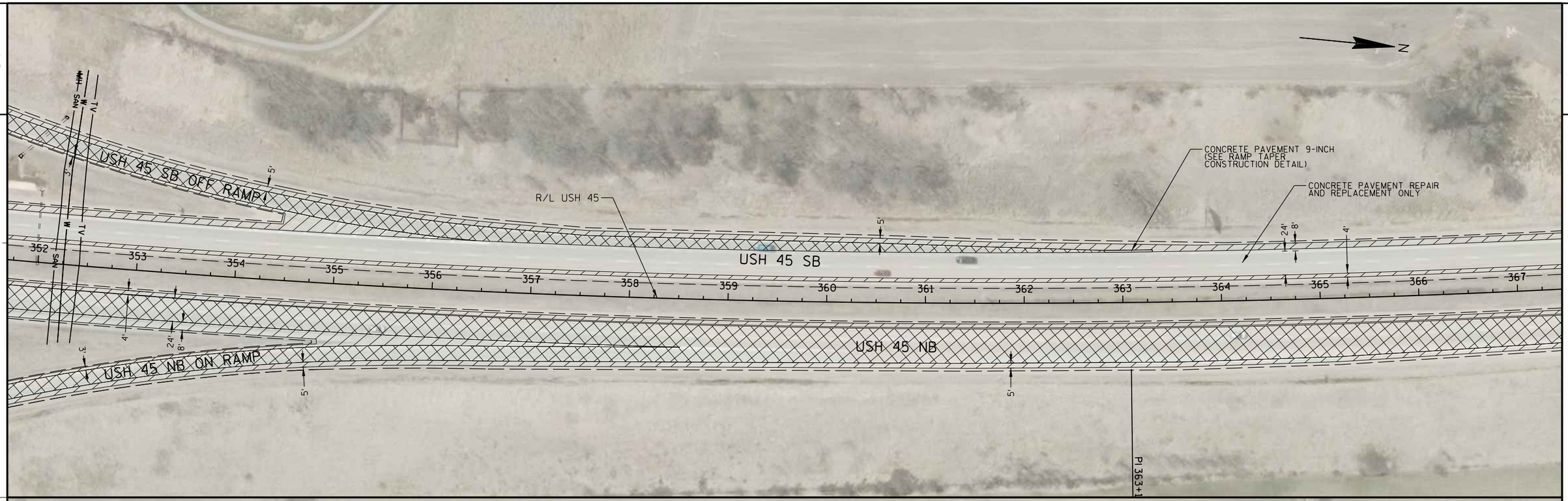
USH 45 NB ON RAMP

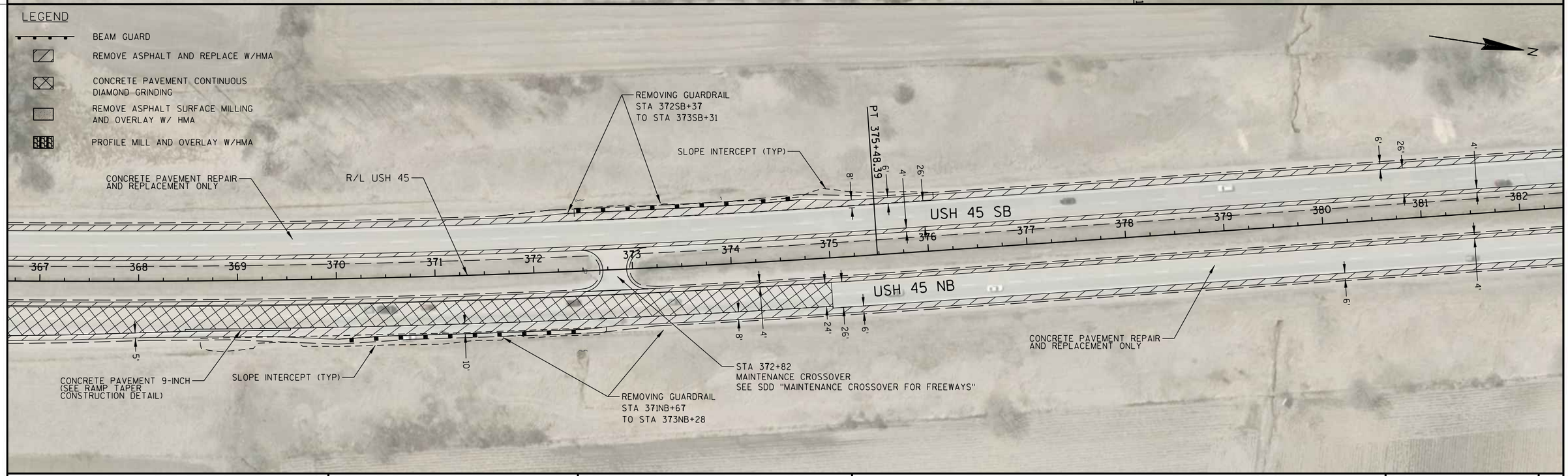
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_45

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021214_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2





PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021215_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_46

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

USH 45 SB

USH 45 NB

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

PC 395+41.42

PI 404+00.62

R/L USH 45

EQUATION

STATION EQUATION
STA 412+50.15 R/L USH 45 BACK =
STA 412+40.84 R/L USH 45 AHEAD

PT 412+

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_47

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021216_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL
STA 420SB+96
TO STA 421SB+94

REMOVING GUARDRAIL
STA 425SB+11
TO STA 427SB+21

R/L USH 45

USH 45 SB

USH 45 NB

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

STATION EQUATION
STA 412+50.15 R/L USH 45 BACK =
STA 412+40.84 R/L USH 45 AHEAD

EQUATION

PT 412+47.10

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL
STA 420NB+76
TO STA 422NB+17

REMOVING GUARDRAIL
STA 425NB+08
TO STA 427NB+25

GIP

MILE VIEW ROAD

412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427

24' 26' 6' 4' 24' 8' 26' 6'

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

SLOPE INTERCEPT (TYP)

USH 45 SB

USH 45 NB

R/L USH 45

427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442

6' 4' 26' 24' 4' 8'

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_48

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021217_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

REMOVING GUARDRAIL
STA 446SB+42
TO STA 447SB+36

SLOPE INTERCEPT (TYP)

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

B-66-54
MISC. REPAIR

REMOVING GUARDRAIL
STA 451SB+61
TO STA 453SB+76

G(P)

E(P)

CTH NN

26'

4'

6'

USH 45 SB

442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457

USH 45 NB

8'

24'

4'

R/L USH 45

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL
STA 444NB+73
TO STA 446NB+33

REMOVING GUARDRAIL
STA 451NB+60
TO STA 453NB+76

G(P)

E(P)

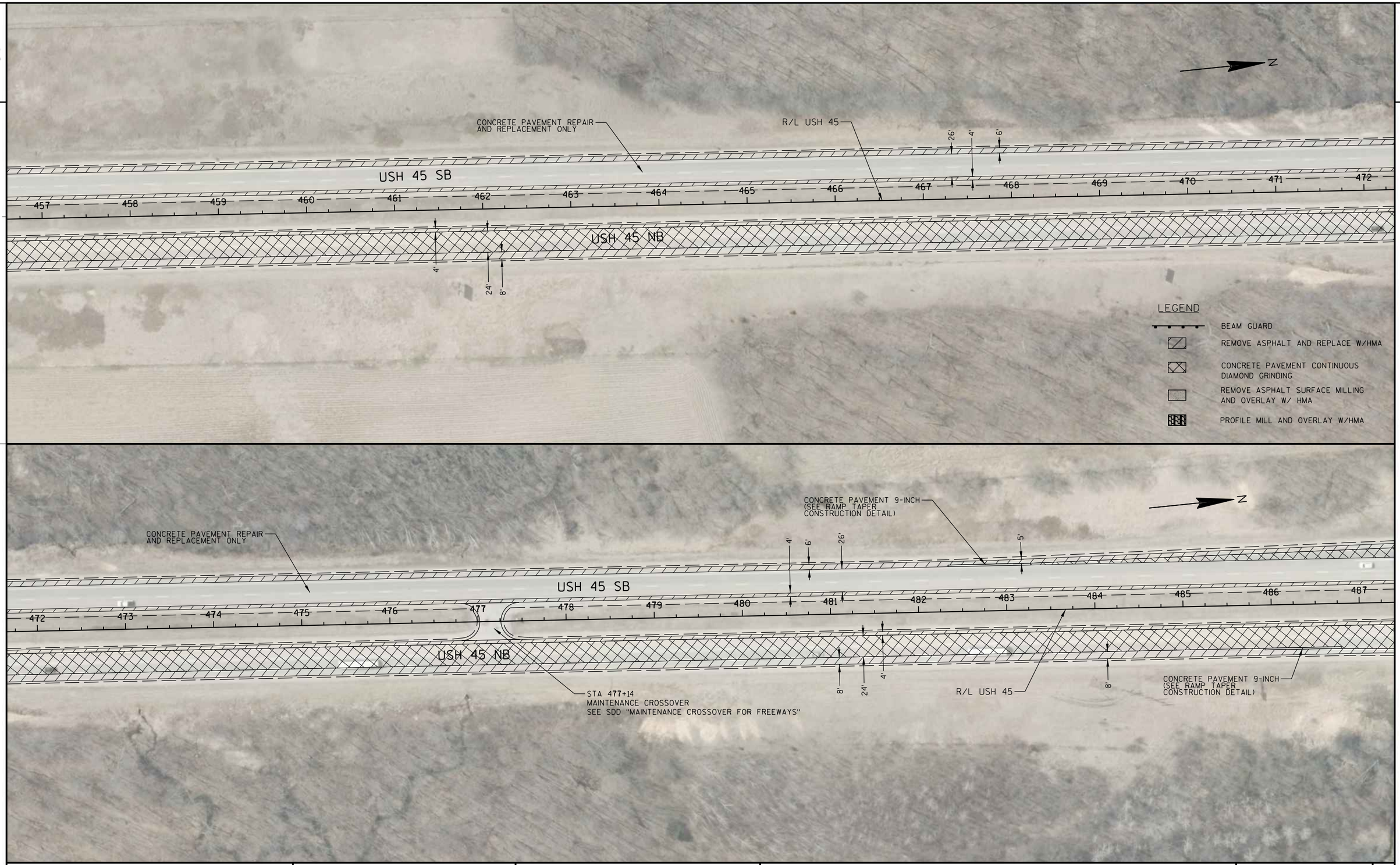
CTH NN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021218_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_50

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021219_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

USH 45 SB ON RAMP

USH 45 SB

USH 45 NB

USH 45 NB OFF RAMP

CONCRETE PAVEMENT 9-INCH (SEE RAMP TAPER CONSTRUCTION DETAIL)

PC 500+04.22

SLOPE INTERCEPT (TYP)

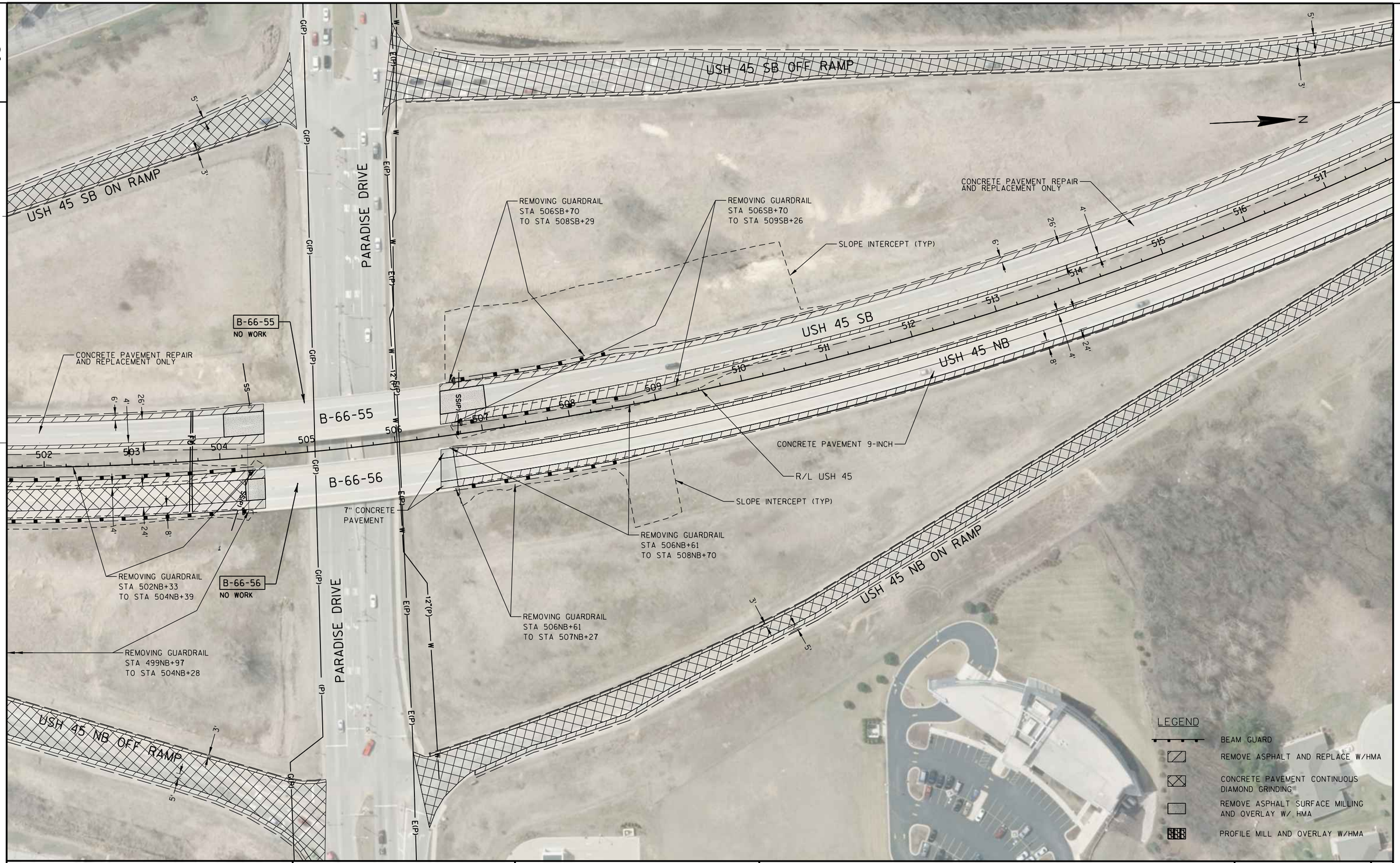
R/L USH 45

REMOVING GUARDRAIL
STA 499NB+97
TO STA 504NB+28

SLOPE INTERCEPT (TYP)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

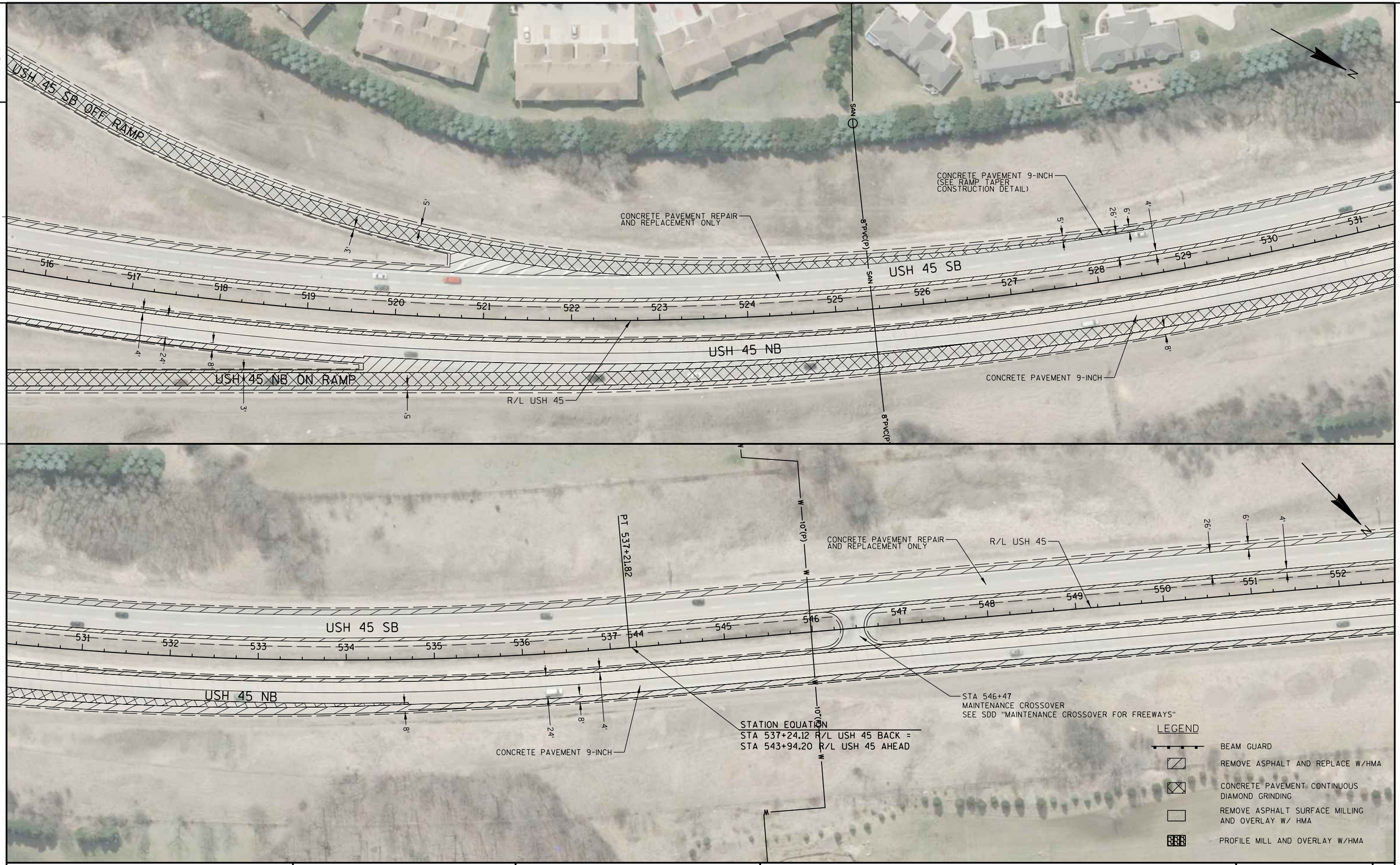
2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_52

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021221_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100.054



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021222_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_53

WISDOT/CADDS SHEET 42

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

S 18TH AVENUE

B-66-57
NO WORK

B-66-58
NO WORK

PC 559+21.31

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

SLOPE INTERCEPT (TYP)

REMOVING GUARDRAIL
STA 555NB+57
TO STA 557NB+65
SLOPE INTERCEPT (TYP)

CONCRETE PAVEMENT 9-INCH

REMOVING GUARDRAIL
STA 557NB+44 TO
STA 558NB+08
7" CONCRETE PAVEMENT

REMOVING GUARDRAIL
STA 559SB+05
TO STA 560SB+58

REMOVING GUARDRAIL
STA 559SB+34
TO STA 561SB+88

USH 45 SB

USH 45 NB

R/L USH 45

INLETS 2 X 2
W/ TYPE V COVER

CONCRETE SURFACE DRAIN (DROP INLET TYPE)

7" CONCRETE PAVEMENT

REMOVING GUARDRAIL
STA 560NB+03 TO
STA 560NB+71

REMOVING GUARDRAIL
STA 559NB+66 TO
STA 561NB+92

CONCRETE PAVEMENT 9-INCH

REMOVING GUARDRAIL
STA 579SB+34
TO STA 581SB+61

B-66-59
MISC. REPAIR
PAINT

W DECORAH ROAD

REMOVING GUARDRAIL
STA 581SB+39
TO STA 582SB+33

REMOVING GUARDRAIL
STA 579NB+31
TO STA 581NB+61

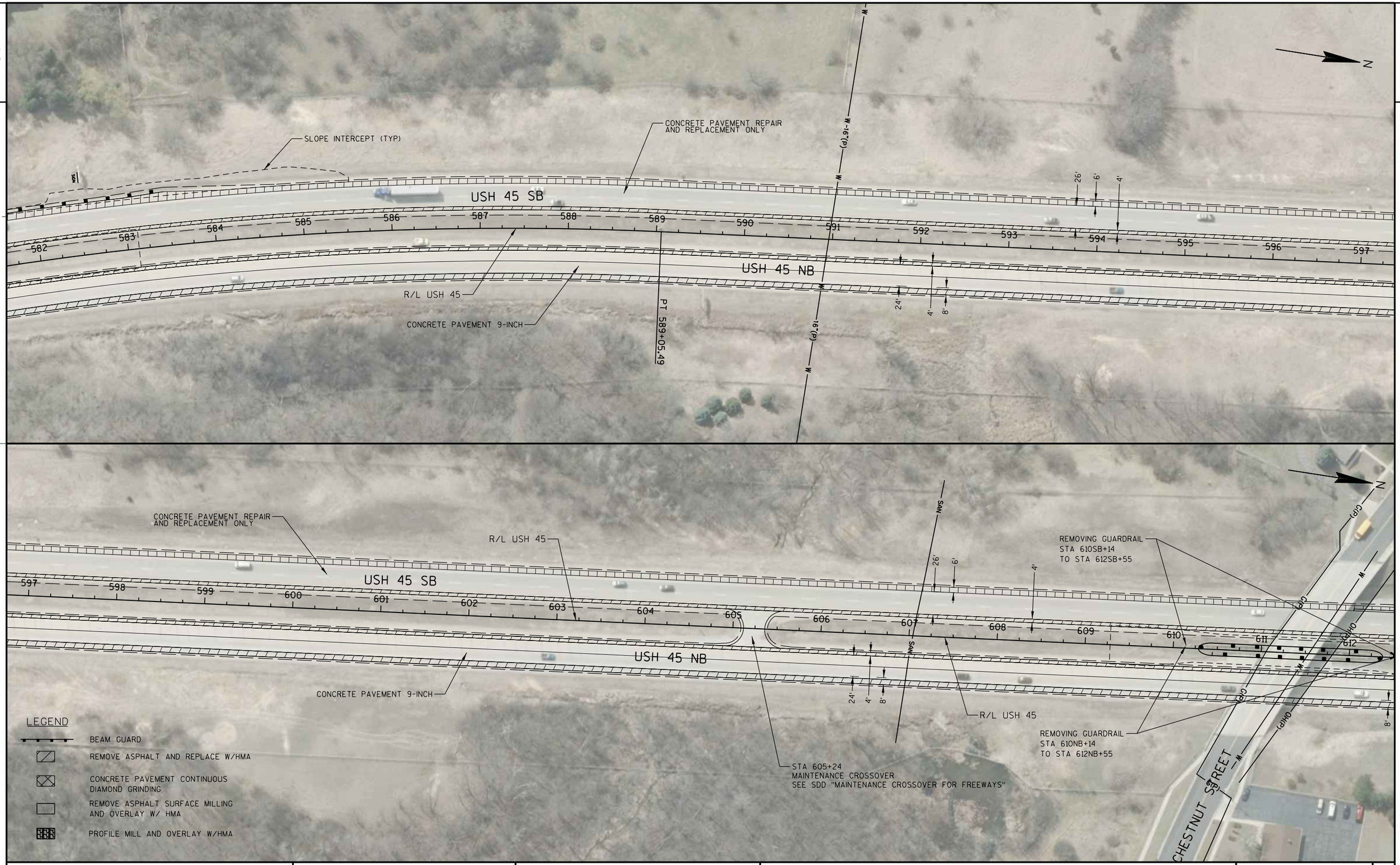
W DECORAH RD

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_54

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021223_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021224_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100



LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

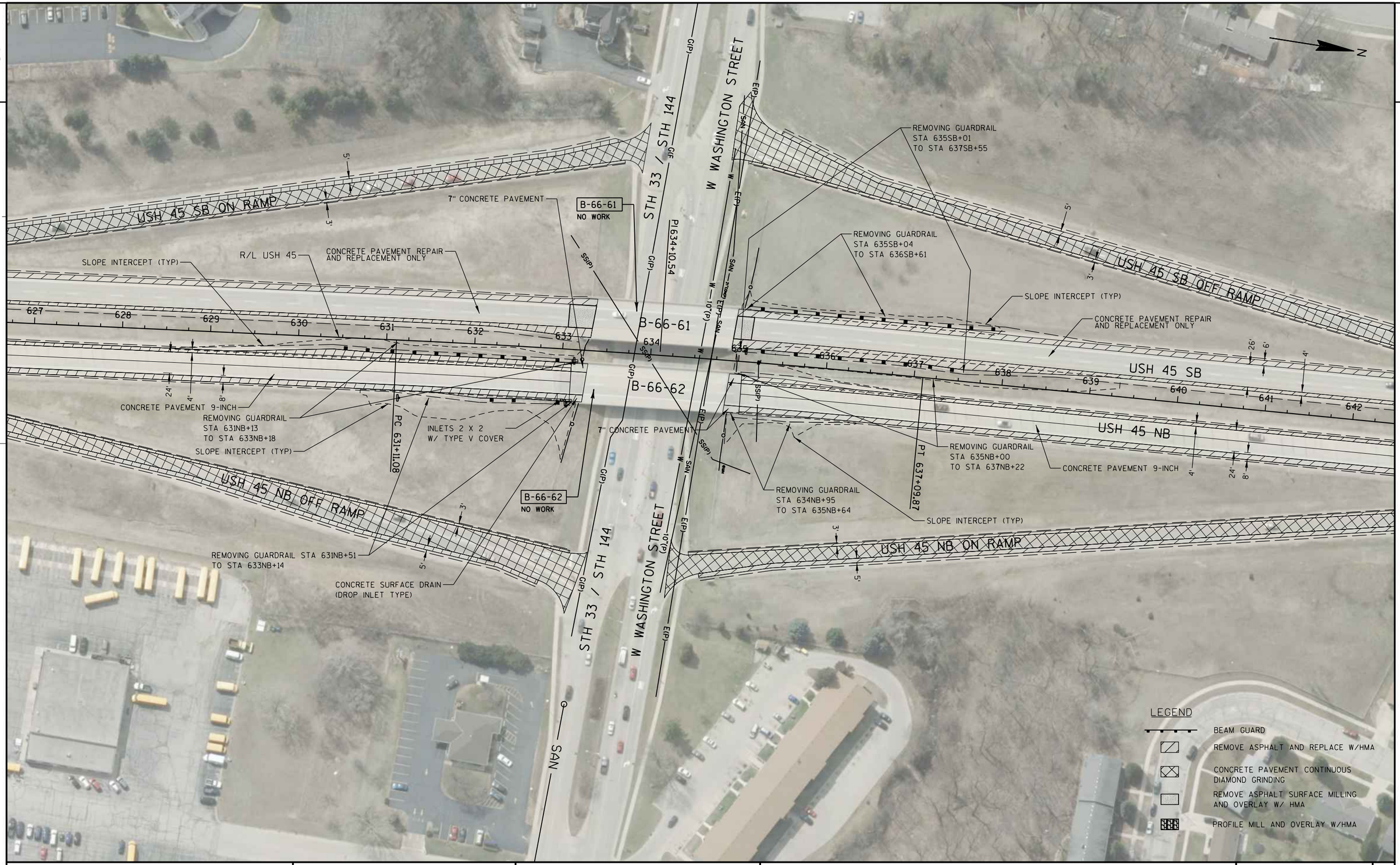
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_56

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021225_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

PARK AVENUE

USH 45 SB

USH 45 NB

USH 45 NB ON RAMP

642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657

CONCRETE PAVEMENT 9-INCH (SEE RAMP TAPER CONSTRUCTION DETAIL)

REMOVING GUARDRAIL STA 651SB+80 TO STA 654SB+17

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

R/L USH 45

CONCRETE PAVEMENT 9-INCH

REMOVING GUARDRAIL STA 651NB+79 TO STA 654NB+20

5' 3' 4' 8' 3' 5' 24' 5' 4' 26' 6'

657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672

R/L USH 45

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

PC 671+48.70

CONCRETE PAVEMENT 9-INCH

STA 669+39
MAINTENANCE CROSSOVER
SEE SDD "MAINTENANCE CROSSOVER FOR FREEWAYS"

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_58

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021227_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

N

PT 678+48.29

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

26' 6' 4'

USH 45 SB

672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687

USH 45 NB

24' 8' 4'

PI 674+98.52

CONCRETE PAVEMENT 9-INCH

R/L USH 45

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

BEAVER DAM ROAD

7" CONCRETE PAVEMENT

B-66-65
NO WORK

B-66-64
NO WORK

REMOVING GUARDRAIL
STA 694SB+56
TO STA 697SB+09

REMOVING GUARDRAIL
STA 694SB+65
TO STA 696SB+18

SLOPE INTERCEPT (TYP)

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

7" CONCRETE PAVEMENT

687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702

REMOVING GUARDRAIL
STA 690NB+88
TO STA 692NB+98

REMOVING GUARDRAIL
STA 692NB+16
TO STA 692NB+85

CONCRETE SURFACE DRAIN (DROP INLET TYPE)

INLETS 2 X 2
W/ TYPE V COVER

REMOVING GUARDRAIL
STA 694NB+43
TO STA 696NB+50

REMOVING GUARDRAIL
STA 694NB+33
TO STA 694NB+96

SLOPE INTERCEPT (TYP)

PC 697+36.98

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

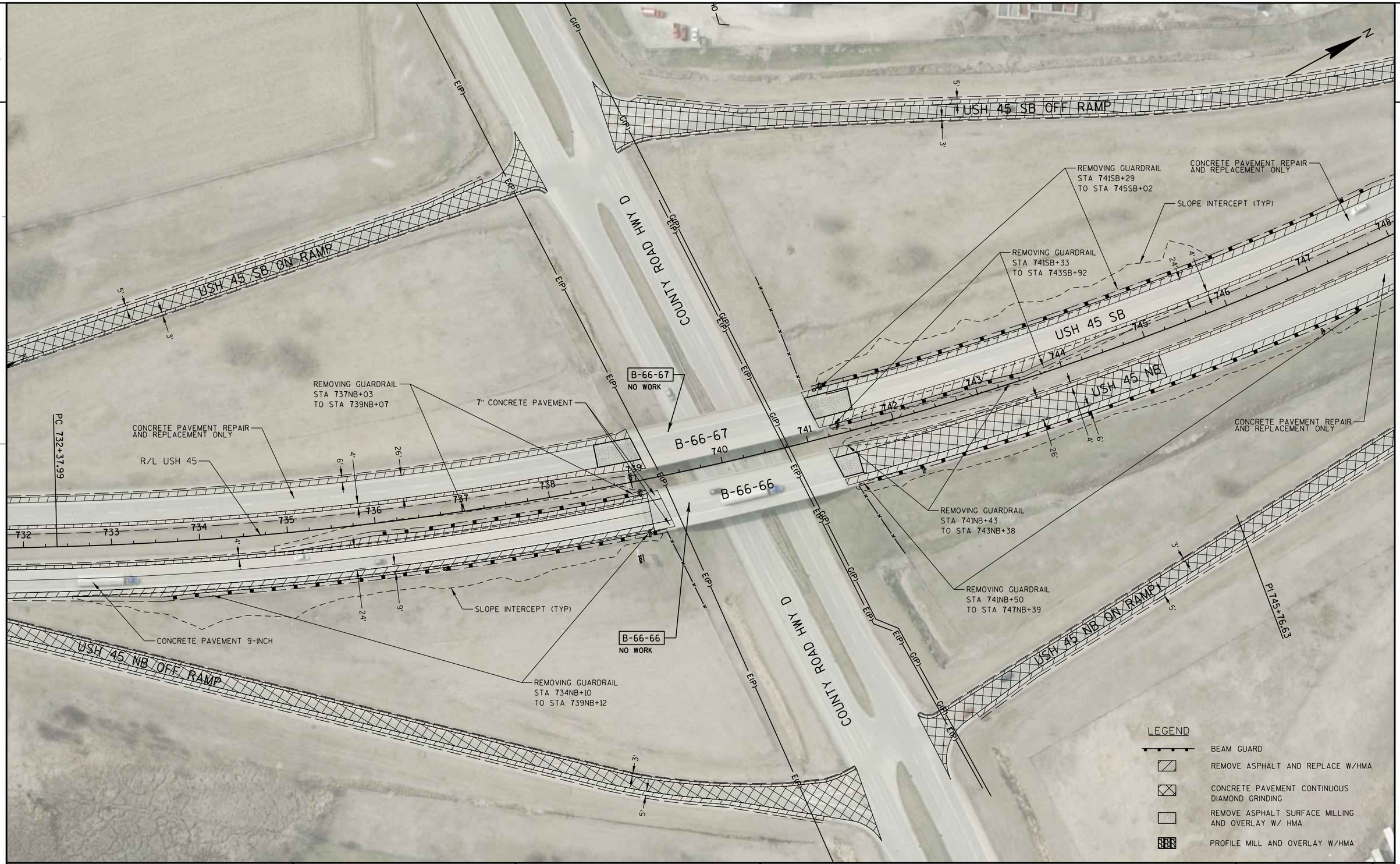
2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_60

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021229_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021230_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_61

2

LEGEND

- BEAM GUARD
- REMOVE ASPHALT AND REPLACE W/HMA
- CONCRETE PAVEMENT CONTINUOUS DIAMOND GRINDING
- REMOVE ASPHALT SURFACE MILLING AND OVERLAY W/ HMA
- PROFILE MILL AND OVERLAY W/HMA

N

USH 45 SB

USH 45 NB

USH 45 SB OFF RAMP

USH 45 NB ON RAMP

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

SLOPE INTERCEPT (TYP)

R/L USH 45

PT 758+15.32

747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762

24' 8' 4' 26' 6' 4' 3' 5'

FRIENDLY DRIVE

CONCRETE PAVEMENT 9-INCH (SEE RAMP TAPER CONSTRUCTION DETAIL)

PC 775+73.19

PT 776+88.93

PT 776+31.06

762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777

24' 4' 8' 6' 26' 6' 4'

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021231_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_63

NOTE:
1) RAMP ALIGNMENTS ARE APPROXIMATE AND ARE BASE ON FIELD TOPO.

N

STA 1323SWR+35.01
-5.00

STA 1323SWR+04.92
-9.00

STA 1322SWR+75.01
-9.00

STA 1322SWR+75.01
-5.00

4" BASE AGGREGATE DENSE ¾-INCH

4" HMA PAVEMENT

CONCRETE PAVEMENT 9-INCH

STA 1325SWR+74.92
-18.00

STA 1325SWR+75.01
-13.00

1321SWR 1322SWR 1323SWR 1324SWR 1325SWR CTH PV SW RAMP 1326SWR 1327SWR

4" 2" 10" 5" 3"

R/L CTH PV SWR RAMP

USH 45 SB

R/L USH 45

321 322 323 324 325 326 327

USH 45 NB

1321SER 1322SER 1323SER 1324SER 1325SER 1326SER 1327SER

CTH PV SE RAMP

2" 4" 6" 2" 12" 5" 3"

STA 1321SER+45.79
1.58

STA 1321SER+45.79
7.68

STA 1321SER+69.94
1.58

STA 1321SER+75.23
7.37

STA 1322SER+95.59
17.00

CONCRETE PAVEMENT 9-INCH

4" HMA PAVEMENT

4" BASE AGGREGATE DENSE ¾-INCH

R/L CTH PV SER RAMP

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_64

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021240_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

NOTE:
1) RAMP ALIGNMENTS ARE APPROXIMATE AND ARE BASE ON FIELD TOPO.

N

4" BASE AGGREGATE DENSE ¾-INCH
4" HMA PAVEMENT
CONCRETE PAVEMENT 9-INCH
STA 1328SWR+75.10 -17.71
STA 1328SWR+75.26 -12.71
STA 1330SWR+87.07 -29.48
STA 1330SWR+55.42 -22.60
STA 1330SWR+47.19 -26.19
STA 1330SWR+26.97 -22.70
STA 1331SWR+00.95 -25.43
5"
3"
10"
4"
8"
15"
1327SWR
1328SWR
1329SWR
1330SWR
1331SWR
1332SWR
1333SWR
CTH PV SW RAMP
R/L CTH PV SWR RAMP
STA 1330SWR+26.83 0.32
4" HMA PAVEMENT
STA 1332SWR+18.11 14.08
STA 1332SWR+19.67 1.01
USH 45 SB
R/L USH 45
327
328
329
330
331
332
333
USH 45 NB
1327SER
1328SER
1329SER
1330SER
1331SER
1332SER
1333SER
12"
5"
3"
STA 1328SER+52.91 11.94
STA 1327SER+44.90 20.00
STA 1327SER+80.56 17.00
STA 1328SER+52.91 21.01
CONCRETE PAVEMENT 9-INCH
4" HMA PAVEMENT
4" BASE AGGREGATE DENSE ¾-INCH
R/L CTH PV SER RAMP
CTH PV SE RAMP

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

PRE_65

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\021241_PD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

NOTE:
1) RAMP ALIGNMENTS ARE APPROXIMATE AND ARE BASE ON FIELD TOPO.

N

STA 1333SWR+25.78
-28.57

STA 1333SWR+95.31
-31.29

STA 1333SWR+95.22
-24.30

STA 1334SWR+40.70
-21.13

STA 1334SWR+90.91
-23.93

STA 1337SWR+32.64
-19.99

4" BASE AGGREGATE DENSE ¾-INCH
4" HMA PAVEMENT
CONCRETE PAVEMENT 9-INCH

8'
5'
3'
15'
3'
1'

1333SWR
1334SWR
CTH PV SW RAMP
1335SWR
1336SWR
1337SWR
1338SWR

4" HMA PAVEMENT
R/L CTH PV SWR RAMP
4" BASE AGGREGATE DENSE ¾-INCH

FRIENDLY DRIVE

N

USH 45 SB

R/L USH 45
STA 784+68.77
7.77

STA 784+08.33
8.85

STA 785+58.40
0.23

STA 786+55.92
-1.92

784 785 786 787 788 789

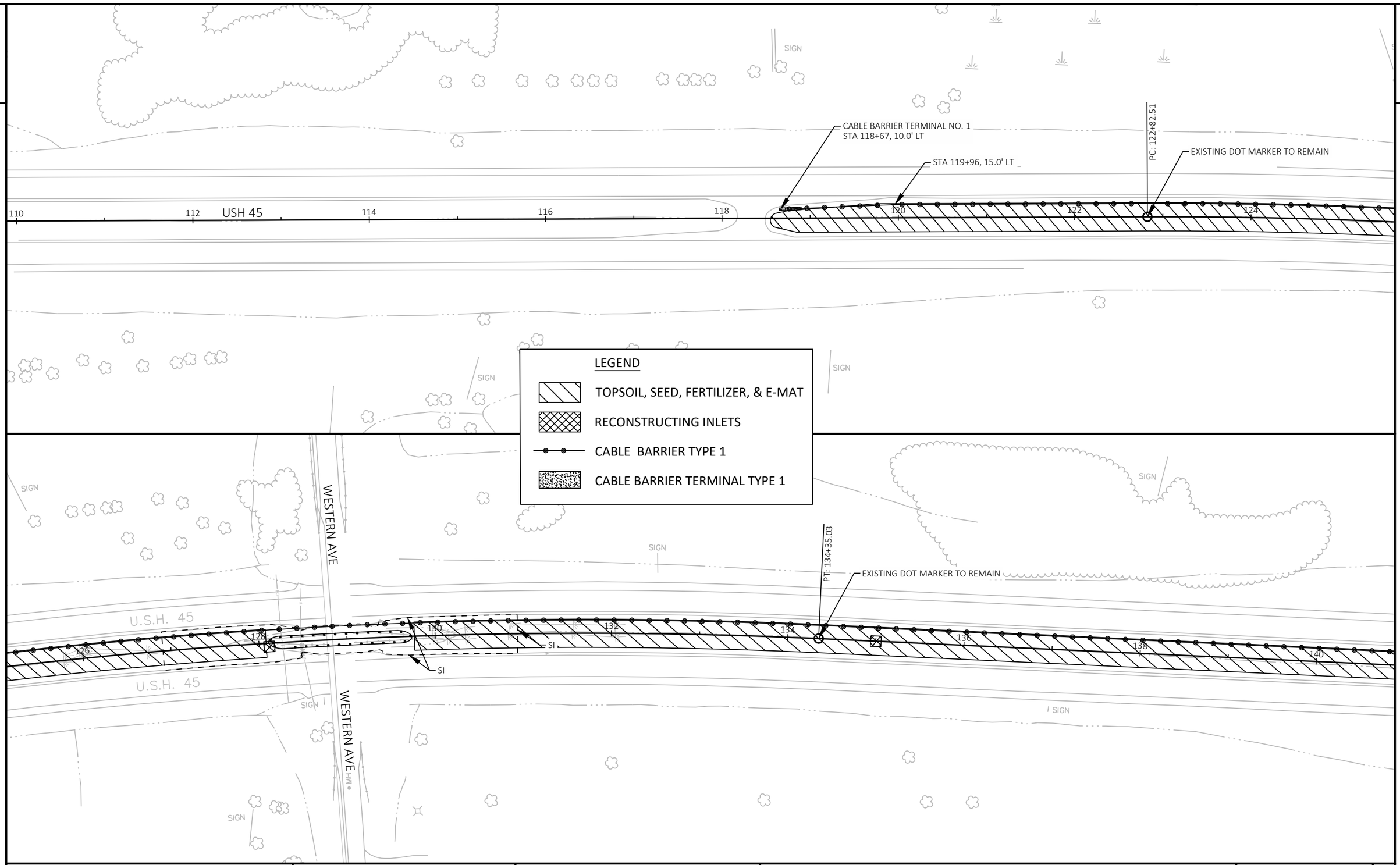
MATCH EXISTING PAVEMENT
CONCRETE CURB & GUTTER 6-INCH
SLOPED 36-INCH TYPE A
CONCRETE PAVEMENT 9-INCH
MATCH EXISTING PAVEMENT

USH 45 NB

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN DETAILS	SHEET E

2

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_67

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 1

PLOT DATE : 8/6/2019 5:56 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

SIGN

SIGN

U.S.H. 45

142 144 146 148 150 152 154 156

CAUTION

U.S.H. 45

VARY POST SPACING SO THE HIGH PRESSURE GAS PIPELINE
IS AT THE CENTER OF THE 15-FT MAXIMUM POST SPACING
(SEE CONSTRUCTION DETAILS)

PIPL

SIGN

SIGN

LEGEND

GRADING & TOPSOIL

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

SIGN

U.S.H. 45

156 158 160 162 164 166 168 170

U.S.H. 45

SIGN

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_68

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 2

PLOT DATE : 8/15/2019 4:39 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

SHERMAN RD

SI

SIGN

SI

U.S.H. 45

U.S.H. 45

172 174 176 178 180 182 184 186

CABLE BARRIER TERMINAL NO. 2
STA 181+00, 15.0' LT

CABLE BARRIER TERMINAL NO. 3
STA 183+59, 15.0' RT

SHERMAN RD

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

PC: 195+05.11

EXISTING DOT MARKER TO REMAIN

U.S.H. 45

U.S.H. 45

188 190 192 194 196 198 200

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_69

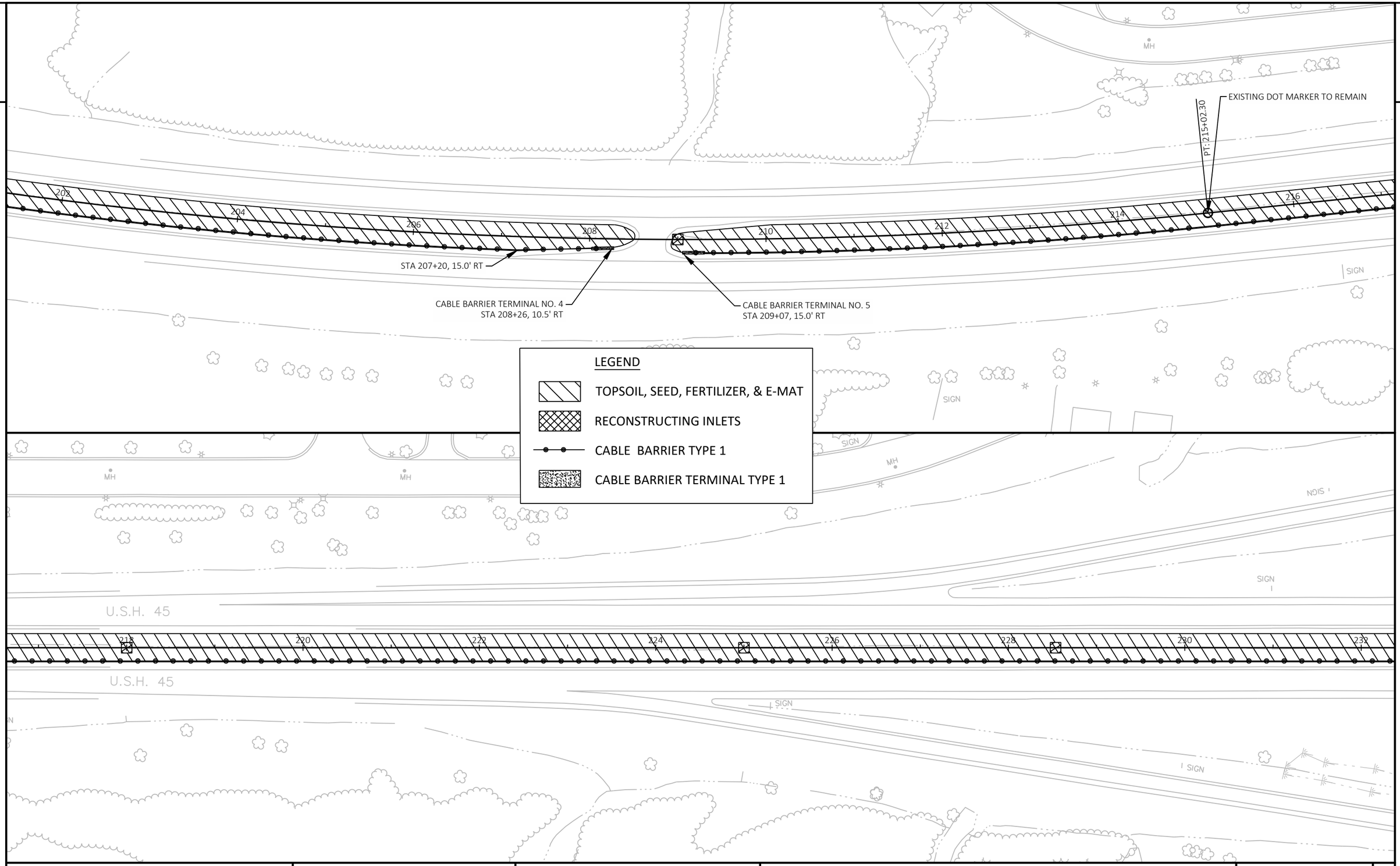
FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 3

PLOT DATE : 8/6/2019 6:00 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

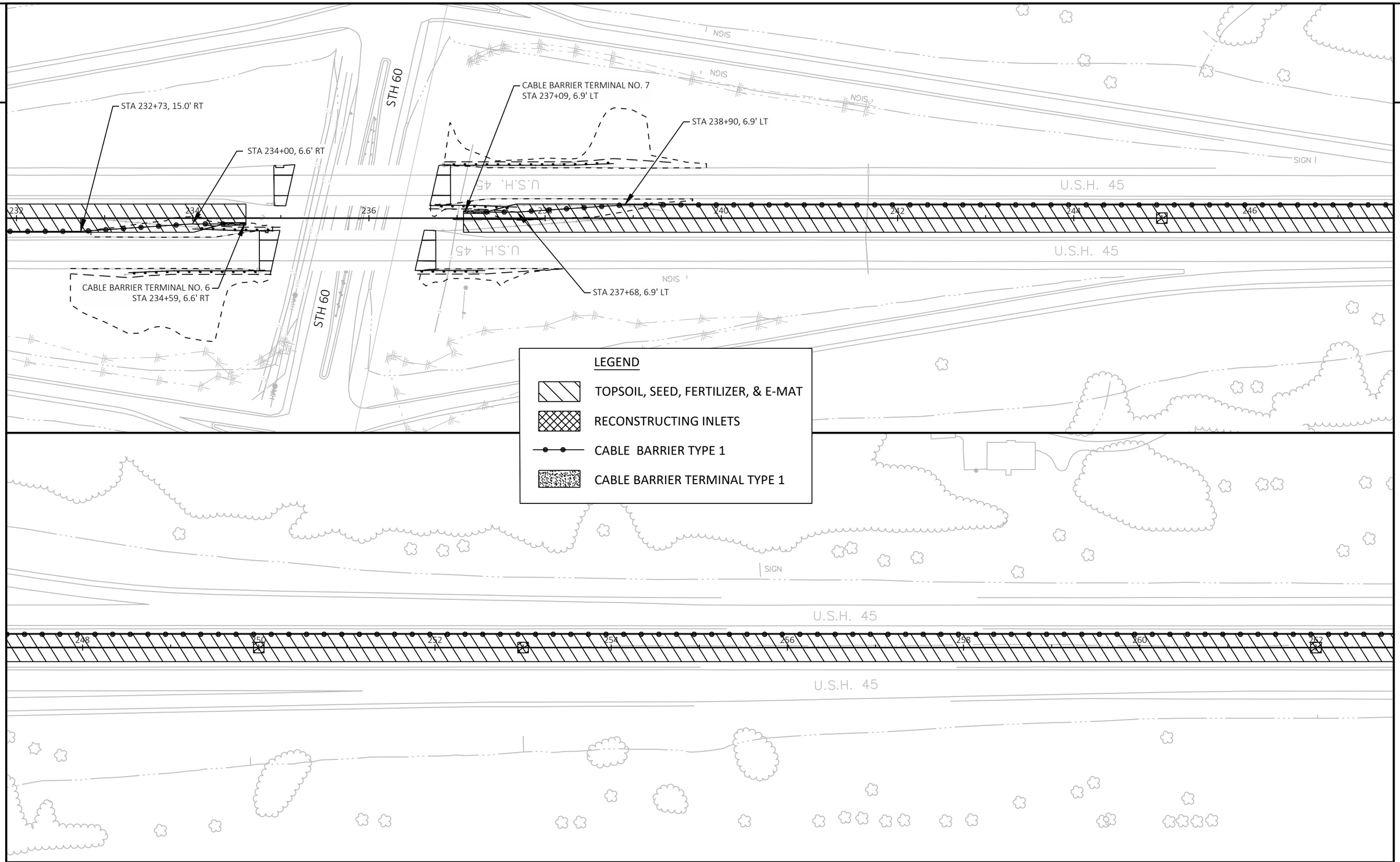
PRE_70

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 4

PLOT DATE : 8/6/2019 6:02 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_71

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 5

PLOT DATE : 8/6/2019 6:04 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CABLE BARRIER TERMINAL NO. 8
STA 268+28, 15.0' LT

CABLE BARRIER TERMINAL NO.9
STA 269+07, 9.5' LT

STA 270+30, 15.0' LT

PC: 272+51.69

EXISTING DOT MARKER TO REMAIN

U.S.H. 45

SIGN

264 266 268 270 272 274 276 278

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

CEDAR CREEK RD

278 280 282 284 286 288 290 292

LEGEND

PERMANENT IMPACTS

TEMPORARY IMPACTS

SLOPE INTERCEPTS

WETLAND BOUNDARY

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_72

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 6

PLOT DATE : 8/6/2019 6:07 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

PT: 298+69.77

EXISTING DOT MARKER TO REMAIN

294 296 298 300 302 304 306 308

SIGN

SIGN

SIGN

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

CABLE BARRIER TERMINAL NO. 10
STA 309+25, 15.0' LT

SIGN

U.S.H. 45

310 312 314 316 318 320 322

U.S.H. 45

CABLE BARRIER TERMINAL NO. 11
STA 310+06, 15.0' RT

BP: 1318+00.00

1319+00 1320+00 1321+00 1322+00 1323+00

BP: 1320+00.00

1321+00 1322+00 1323+00

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_73

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 7

PLOT DATE : 8/6/2019 6:09 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

PI: 1328+61.12

PC: 1330+19.49

PC: 1328+38.17

USH 45 SB ON-RAMP

1324+00 1325+00 1326+00 1327+00 1328+00 1329+00 1330+00 1331+00 1332+00 1333+00 1334+00 1335+00 1336+00 1337+00 1338+00

U.S.H. 45

324 326 328 330 332 334 336 338

1324+00 1325+00 1326+00 1327+00 1328+00 1329+00 1330+00 1331+00 1332+00 1333+00 1334+00 1335+00 1336+00 1337+00

U.S.H. 45

SIGN I

SI

SI

PT: 1334+18.80

USH 45 NB OFF-RAMP

EP: 1338+31.74

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

PLEASANT VALLEY RD

SIGN

USH 45 SB OFF-RAMP

PC: 350+67.43

SIGN

SI

U.S.H. 45

340 342 344 346 348 350 352 354

SI

U.S.H. 45

SI

SI

SIGN

PLEASANT VALLEY RD

USH 45 NB ON-RAMP

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_74

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 8

PLOT DATE : 8/6/2019 6:11 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

I SIGN

SIGN

U.S.H. 45

354 356 358 360 362 364 366 368

U.S.H. 45

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

PT: 375+48.39

EXISTING DOT MARKER TO REMAIN

STA 274+26, 15.0' LT

U.S.H. 45

370 372 374 376 378 380 382 384

U.S.H. 45

STA 271+33, 15.0' RT

CABLE BARRIER TERMINAL NO. 13
STA 373+23, 10.0' LT

CABLE BARRIER TERMINAL NO. 12
STA 372+46, 10.0' RT

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

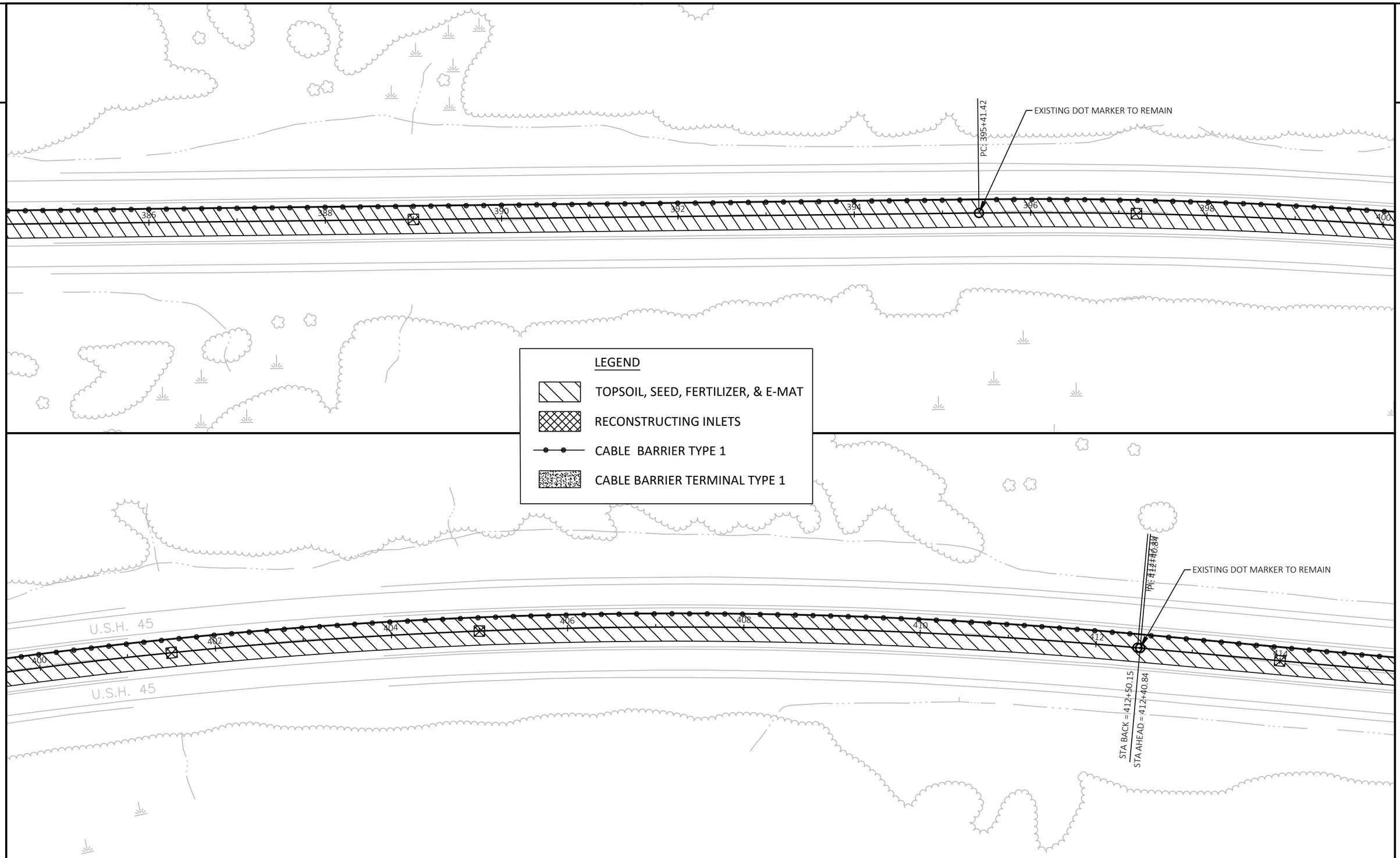
PRE_75

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 9

PLOT DATE : 8/6/2019 6:13 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_76

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 10

PLOT DATE : 8/6/2019 6:15 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MILE VIEW RD

SIGN

SI

SI

SI

SI

U.S.H. 45

416

418

420

422

424

426

428

430

MILE VIEW RD.

SIGN

U.S.H. 45

SIGN

MILE VIEW RD

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

U.S.H. 45

432

434

436

438

440

442

444

U.S.H. 45

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_77

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 11

PLOT DATE : 8/6/2019 6:17 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CTH NN

MH

C.T.H. "NN"

CTH NN

U.S.H. 45

446 448 450 452 454 456 458 460

U.S.H. 45

SIGN

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

U.S.H. 45

462 464 466 468 470 472 474 476

U.S.H. 45

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_78

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 12

PLOT DATE : 8/6/2019 6:19 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

CABLE BARRIER TERMINAL NO. 14
STA 476+76, 15.0' LT

CABLE BARRIER TERMINAL NO. 15
STA 477+25, 15.0' RT

476 478 480 482 484 486 488 490

SIGN

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

USH 45 SB ON-RAMP

U.S.H. 45

U.S.H. 45

SIGN

USH 45 NB OFF-RAMP

492 494 496 498 500 502 504 506

PC: 500+04.22

EXISTING DOT MARKER TO REMAIN

CABLE BARRIER TERMINAL NO. 16
STA 502+60, 6.6' RT

SIGN

STA 500+77, 15.0' RT

STA 502+01, 6.6' RT

SI

W PARADISE DR

MH

12"(D)

W PARADISE DR

MH

H208

12"(D)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 13

PLOT DATE : 8/6/2019 6:21 PM

PLOT BY : YANG, VANG NENG

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

PRE_79

WISDOT/CADDS SHEET 44

2

2

USH 45 SB OFF-RAMP

SI

U.S.H. 45

508

510

512

514

516

518

520

522

SIGN

USH 45 NB ON-RAMP

CABLE BARRIER TERMINAL NO. 17
STA 508+08, 15.0' RT

LEGEND

- TOPSOIL, SEED, FERTILIZER, & E-MAT
- RECONSTRUCTING INLETS
- CABLE BARRIER TYPE 1
- CABLE BARRIER TERMINAL TYPE 1

8" PVC (P)

522

524

526

528

530

532

534

536

PI: 543+94.50

PC = 537+24.12

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

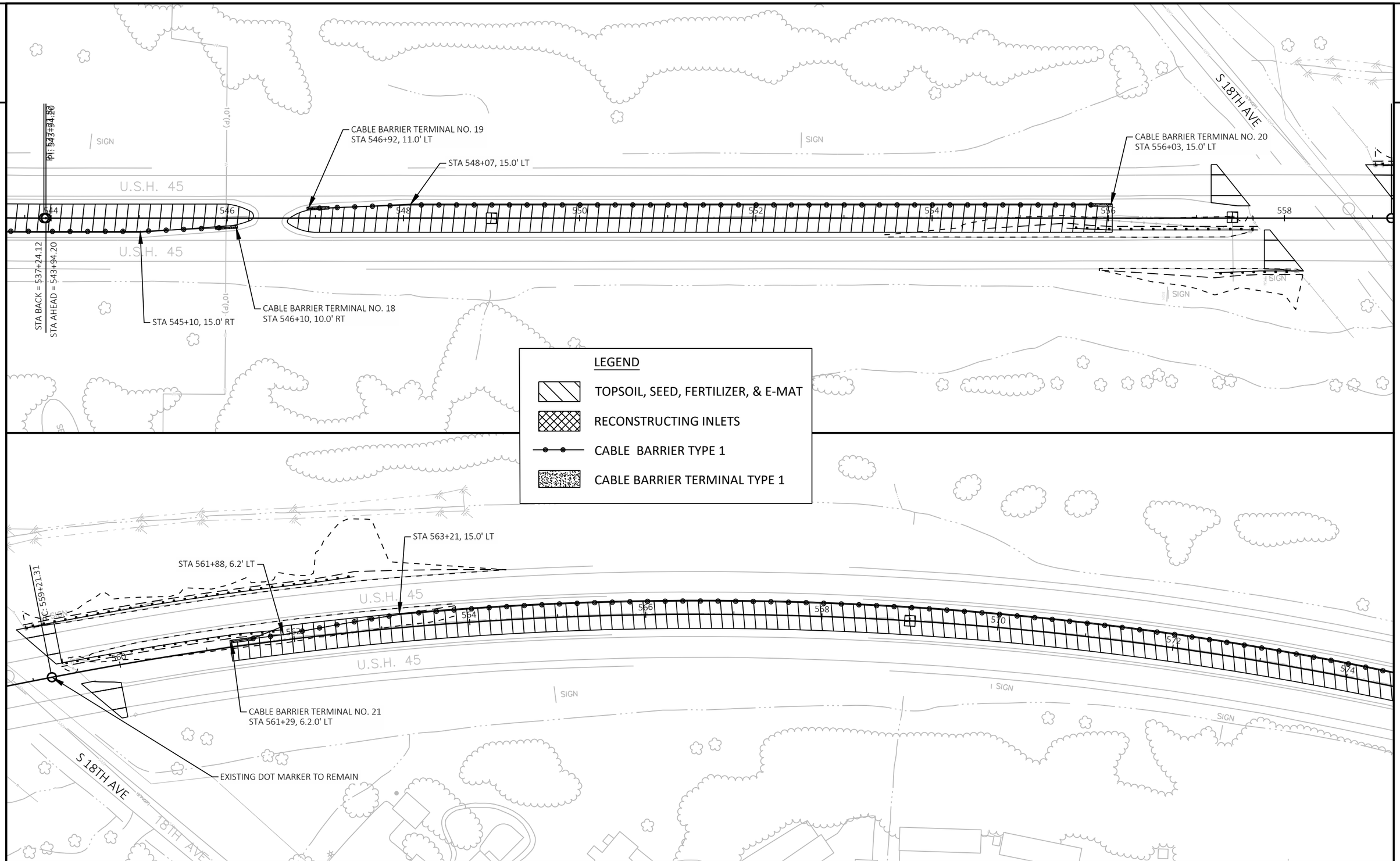
PRE_80

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LAYOUT NAME - sheet 14

PLOT DATE : 8/6/2019 6:23 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



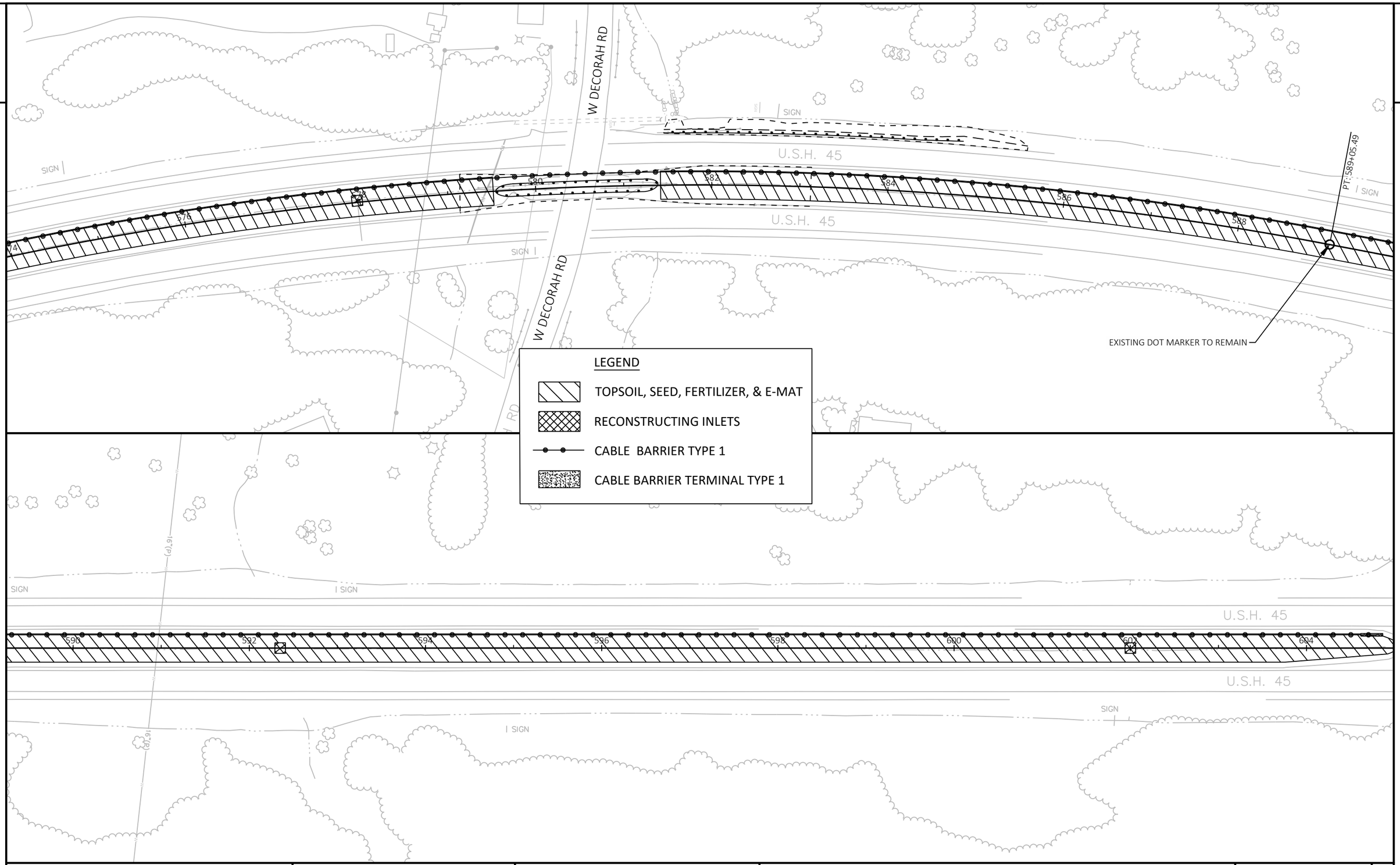
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_81

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 15

PLOT DATE : 8/6/2019 6:25 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_82

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 16

PLOT DATE : 8/6/2019 6:27 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CABLE BARRIER TERMINAL NO. 22
STA 604+85, 15.0' LT

STA 606+80, 15.0' LT

CABLE BARRIER TERMINAL NO. 23
STA 605+64, 9.5' RT

CHESTNUT ST

CHESTNUT ST

U.S.H. 45

U.S.H. 45

606 608 610 612 614 616 618 620

SIGN

SIGN

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

W WASHINGTON ST

PC: 631+11.08

CABLE BARRIER TERMINAL NO. 24
STA 631+30, 15.0' LT

620 622 624 626 628 630 632 634

EXISTING DOT MARKER TO REMAIN

STH 33/144

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_83

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 17

PLOT DATE : 8/6/2019 6:30 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

EXISTING DOT MARKER TO REMAIN

STA 637+65, 6.0' LT

STA 639+01, 15.0' LT

PT: 637+09.87

CABLE BARRIER TERMINAL NO. 25
STA 637+05, 6.0.0' LT

U.S.H. 45

SIGN

636 638 640 642 644 646 648 650

U.S.H. 45

SIGN

PARK AVE

SIGN

U.S.H. 45

652 654 656 658 660 662 664

PARK AVE

U.S.H. 45

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_84

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 18

PLOT DATE : 8/6/2019 6:32 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CABLE BARRIER TERMINAL NO. 26
STA 669+00, 15.0' LT

PC: 671+48.70

PT: 678+48.29

SIGN

U.S.H. 45

USH 45

666 668 670 672 674 676 678 680

U.S.H. 45

SIGN

LEGEND

TOPSOIL, SEED, FERTILIZER, & E-MAT

RECONSTRUCTING INLETS

CABLE BARRIER TYPE 1

CABLE BARRIER TERMINAL TYPE 1

SIGN

U.S.H. 45

682 684 686 688 690 692 694 696

U.S.H. 45

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_85

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_CABLE GUARD.DWG
LAYOUT NAME - sheet 19

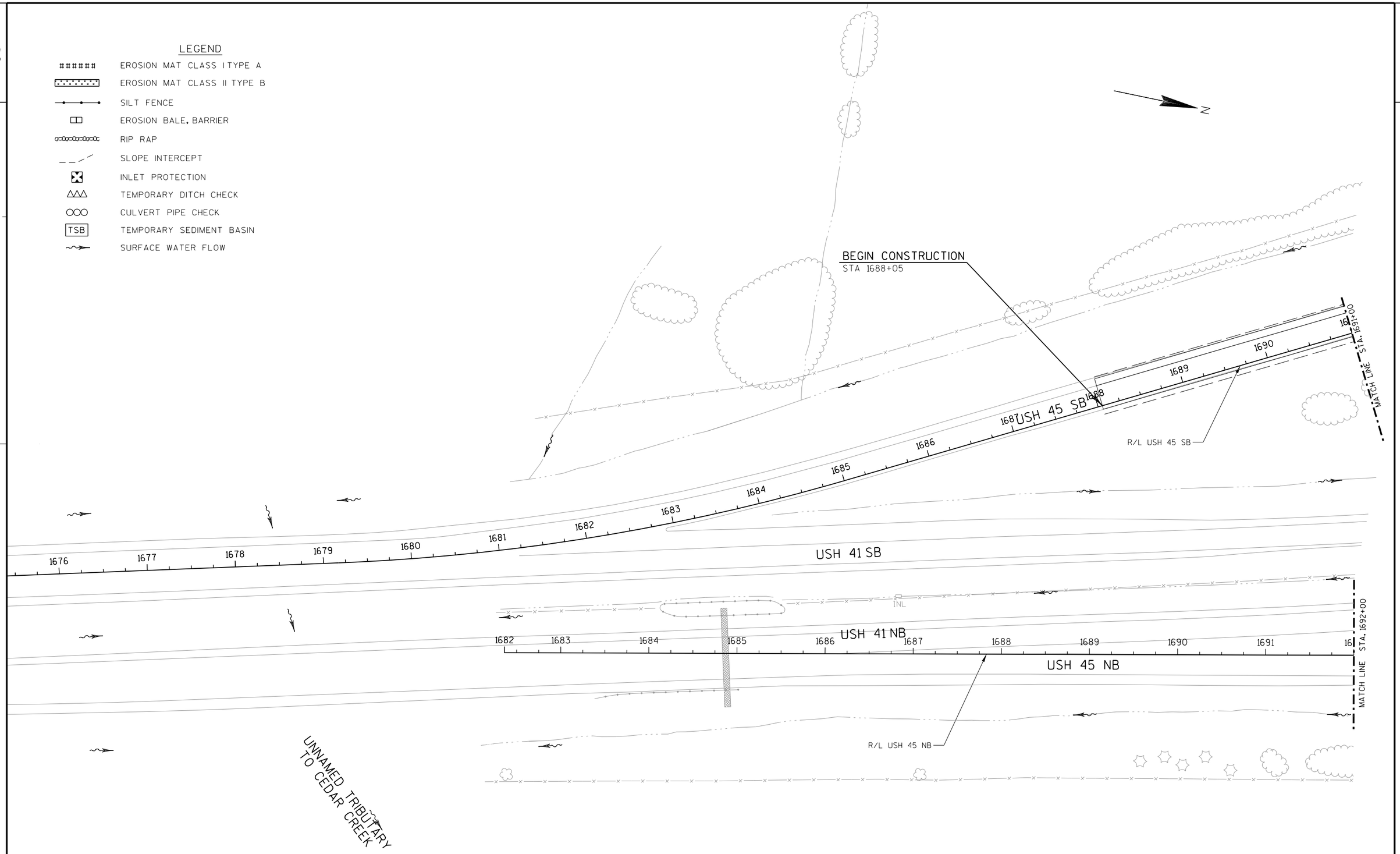
PLOT DATE : 8/6/2019 6:34 PM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_86

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

B-66-37

B-66-37
NO WORK

MATCH LINE STA. 1707+00

R/L USH 45 SB

USH 45 SB

LITTLE CEDAR CREEK

SIGN

N

MATCH LINE STA. 1691+00

USH 41 SB

USH 41 NB

SIGN

INL

BEGIN PROJECT ID
2220-02-70
STA 1694+70

R/L USH 45 NB

USH 45 NB

MATCH LINE STA. 1692+00

MATCH LINE STA. 1706+50

LITTLE CEDAR CREEK

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_87

2

USH 41 SB

USH 41 NB

RIPRAP

N

B-66-37
NO WORK

MATCH LINE STA. 1707+00

1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 17

USH 45 SB

R/L USH 45 SB

MATCH LINE STA. 1722+00

R/L USH 45 NB

MATCH LINE STA. 1706+50

1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 17

USH 45 NB

MATCH LINE STA. 1722+00

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022003_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

RIPRAP

RIPRAP

SIGN

N

USH 45 SB ON RAMP

INL

MATCH LINE STA. 1722+00

MATCH LINE STA. 1737+00

1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 17

USH 45 SB

R/L USH 45 SB

R/L USH 45 NB

USH 45 NB

USH 45 NB OFF RAMP

SIGN

SIGN

T2IS 040240

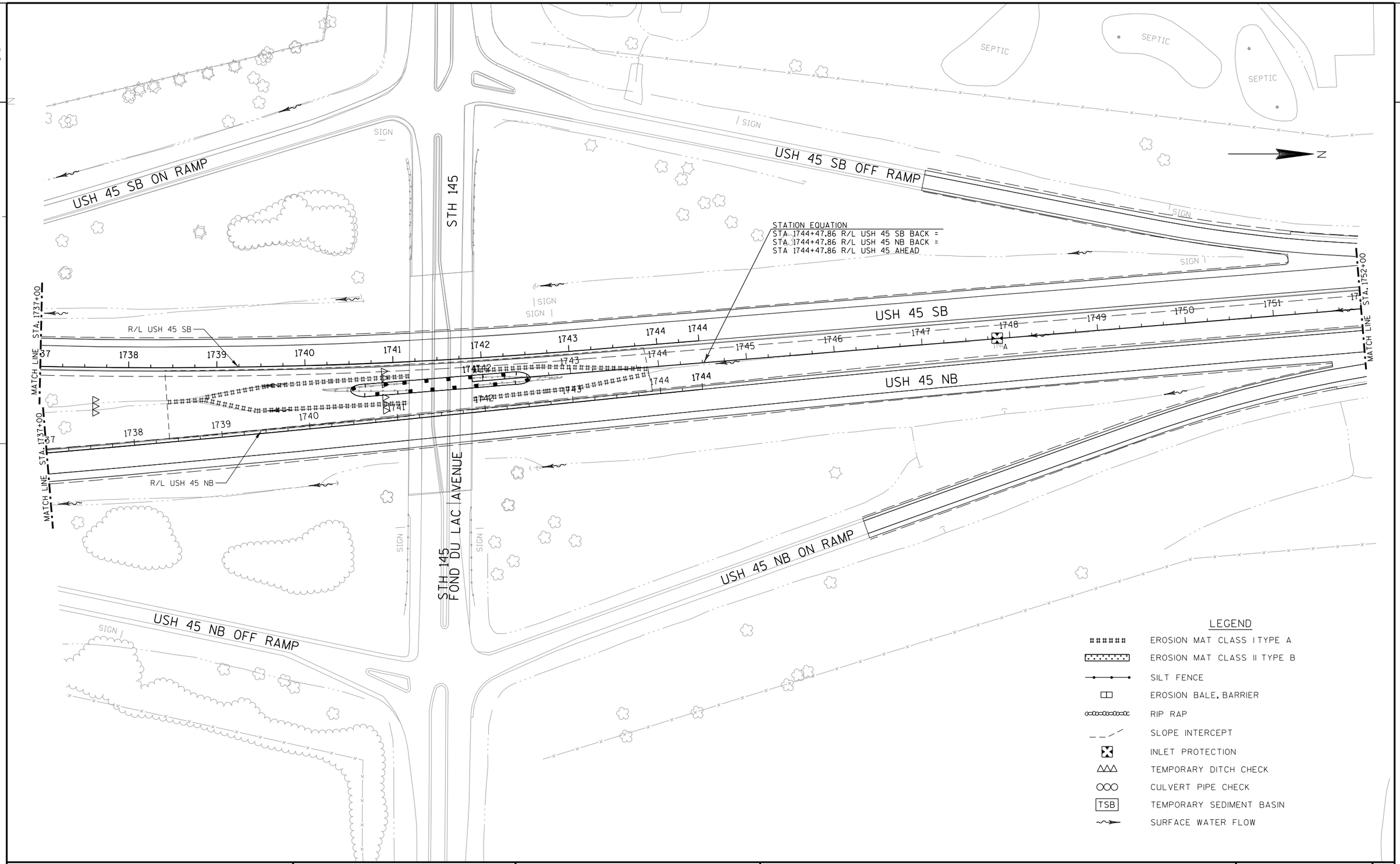
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

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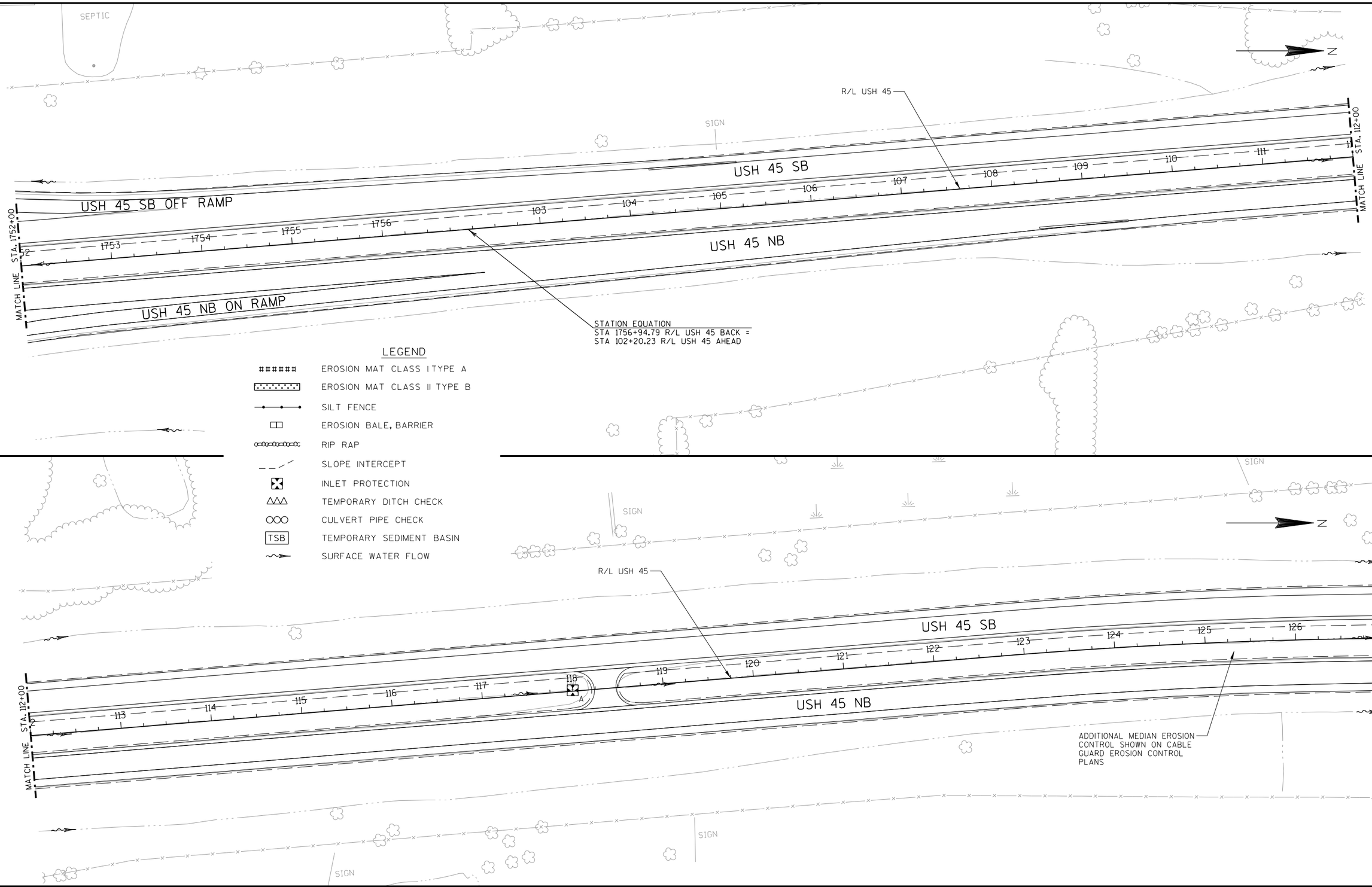


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_90

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022005_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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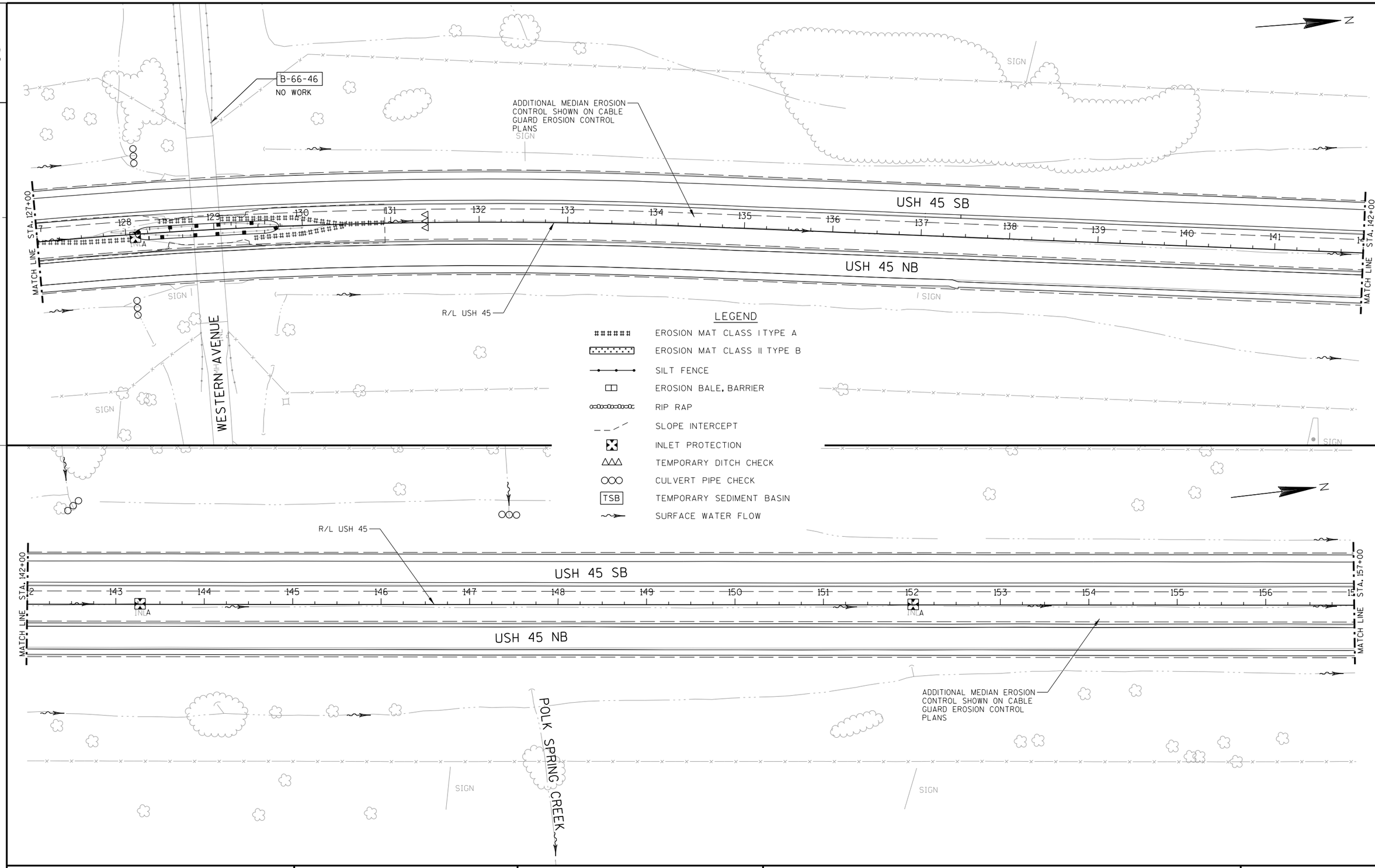
LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_91

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_92

2

2

N

SIGN

SIGN

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

R/L USH 45

MATCH LINE STA. 157+00

USH 45 SB

157 158 159 160 161 162 163 164 165 166 167 168 169 170 171

INL A

USH 45 NB

MATCH LINE STA. 172+00

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

SIGN

SIGN

W

SIGN

N

B-66-48

POLYMER OVERLAY

SHERMAN ROAD

INL B

MATCH LINE STA. 172+00

USH 45 SB

172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187

INL A

INL B

USH 45 NB

B-66-48

B-66-47

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

R/L USH 45

B-66-47

NO WORK

MATCH LINE STA. 187+00

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_93

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022008_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

MATCH LINE STA. 187+00

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202

USH 45 SB

USH 45 NB

INL A

SIGN

R/L USH 45

MATCH LINE STA. 202+00

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

N

MH INL

MATCH LINE STA. 202+00

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217

MATCH LINE STA. 217+00

USH 45 SB

USH 45 NB

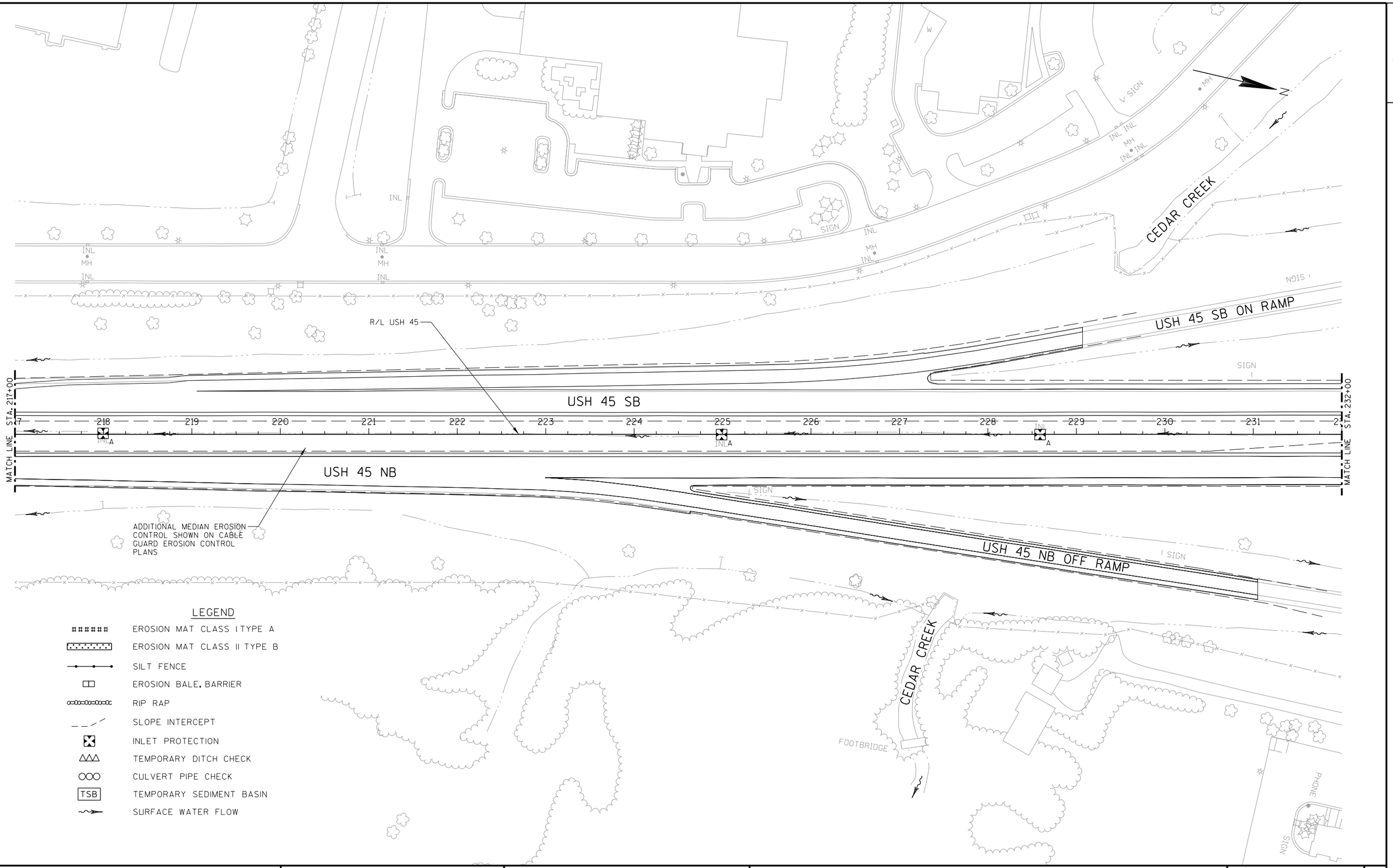
SIGN

R/L USH 45

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_94

2

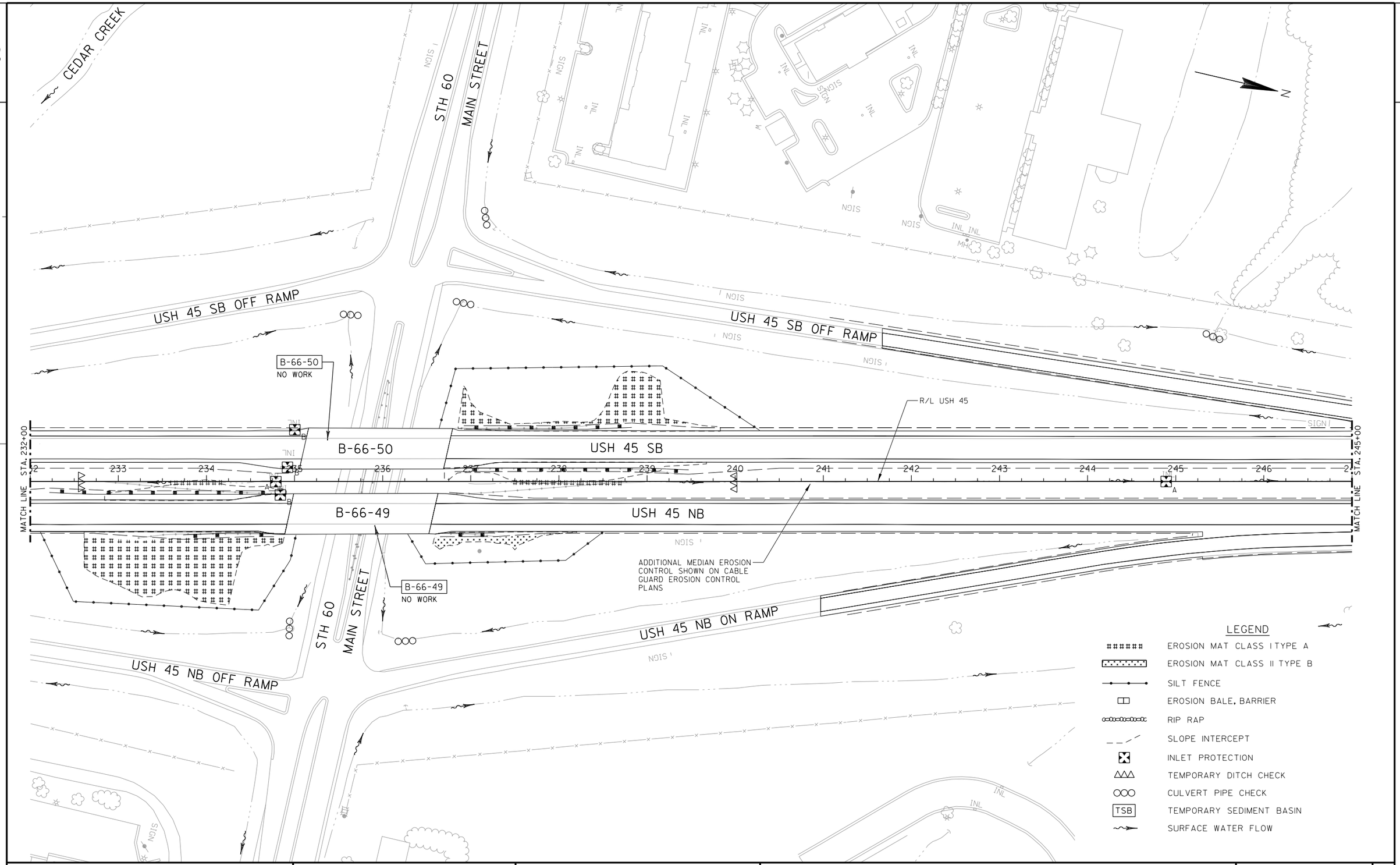


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_95

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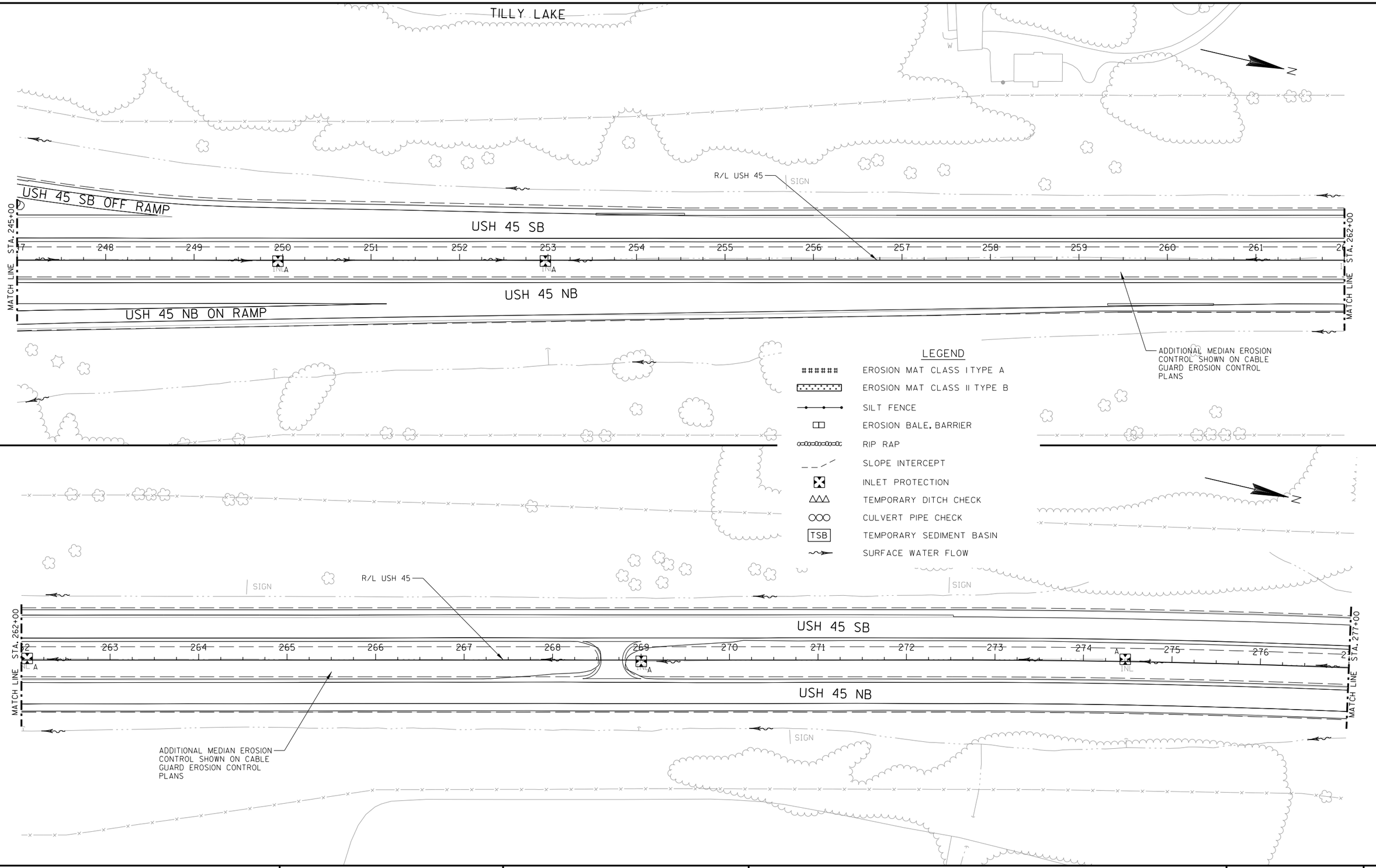
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PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_96

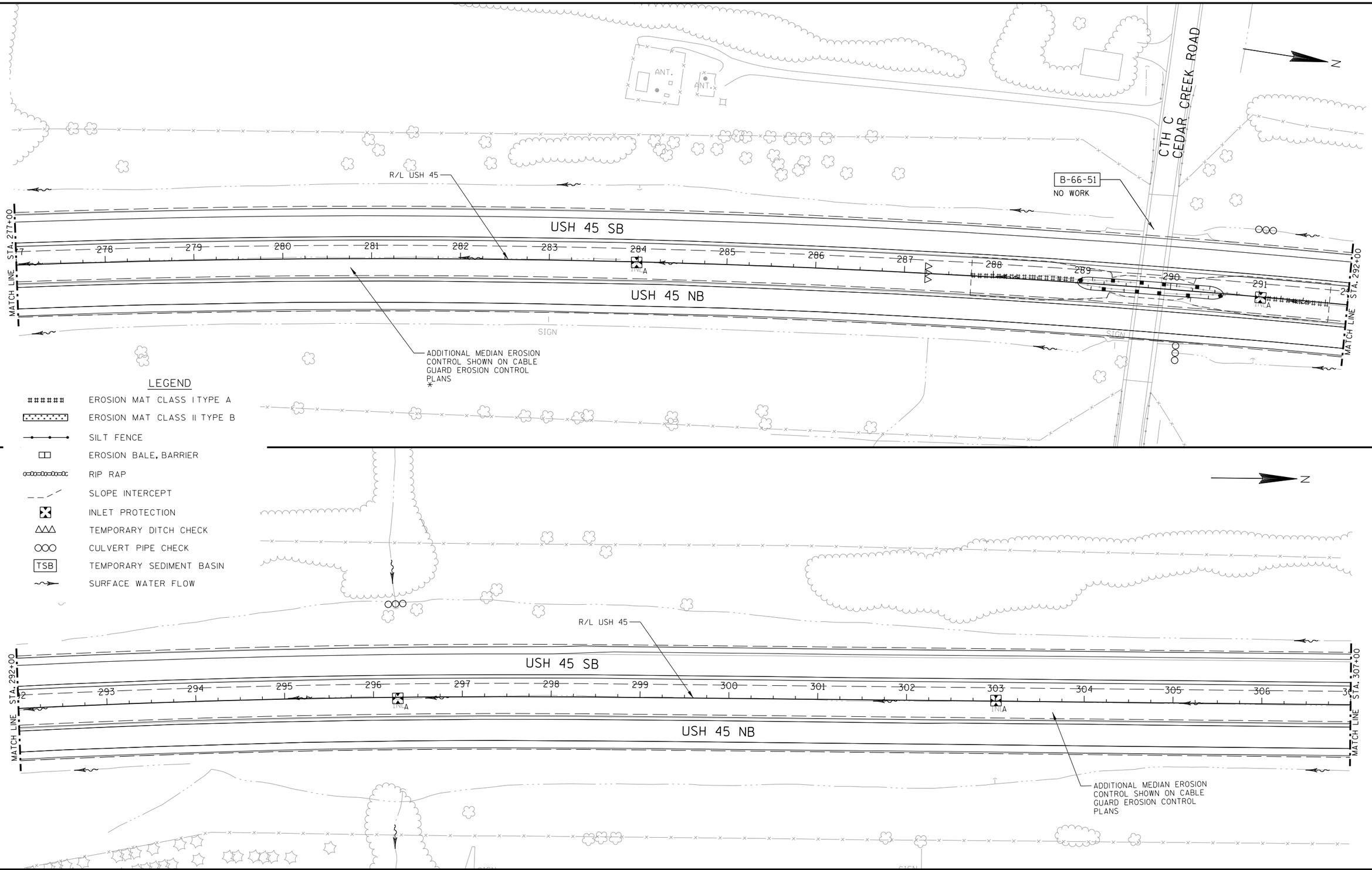
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PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_97

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_98

2

N

SIGN

R/L USH 45

PARALLEL ENTRANCE RAMP

MATCH LINE STA. 307+00

USH 45 SB

7 308 309 310 311 312 313 314 315 316 317 318 319 320 321

USH 45 NB

MATCH LINE STA. 322+00

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

PARALLEL EXIT RAMP

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

N

PARALLEL ENTRANCE RAMP

R/L USH 45

USH 45 SB ON RAMP

MATCH LINE STA. 322+00

USH 45 SB

322 323 324 325 326 327 328 329 330 331 332 333 334 335 336

INLA

USH 45 NB

MATCH LINE STA. 337+00

SIGN

SIGN

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

PARALLEL EXIT RAMP

USH 45 NB OFF RAMP

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_99

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022014_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

USH 45 SB ON RAMP

USH 45 SB OFF RAMP

CTH PV
PLEASANT VALLEY ROAD

SIGN

MH

SIGN

B-66-52
NO WORK

R/L USH 45

USH 45 SB

MATCH LINE STA. 337+00

337 338 339 340 341 342 343 344 345 346 347 348 349 350 351

MATCH LINE STA. 352+00

INLA

USH 45 NB

SIGN

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

SIGN

MH

CTH PV
PLEASANT VALLEY ROAD

USH 45 NB OFF RAMP

SIGN

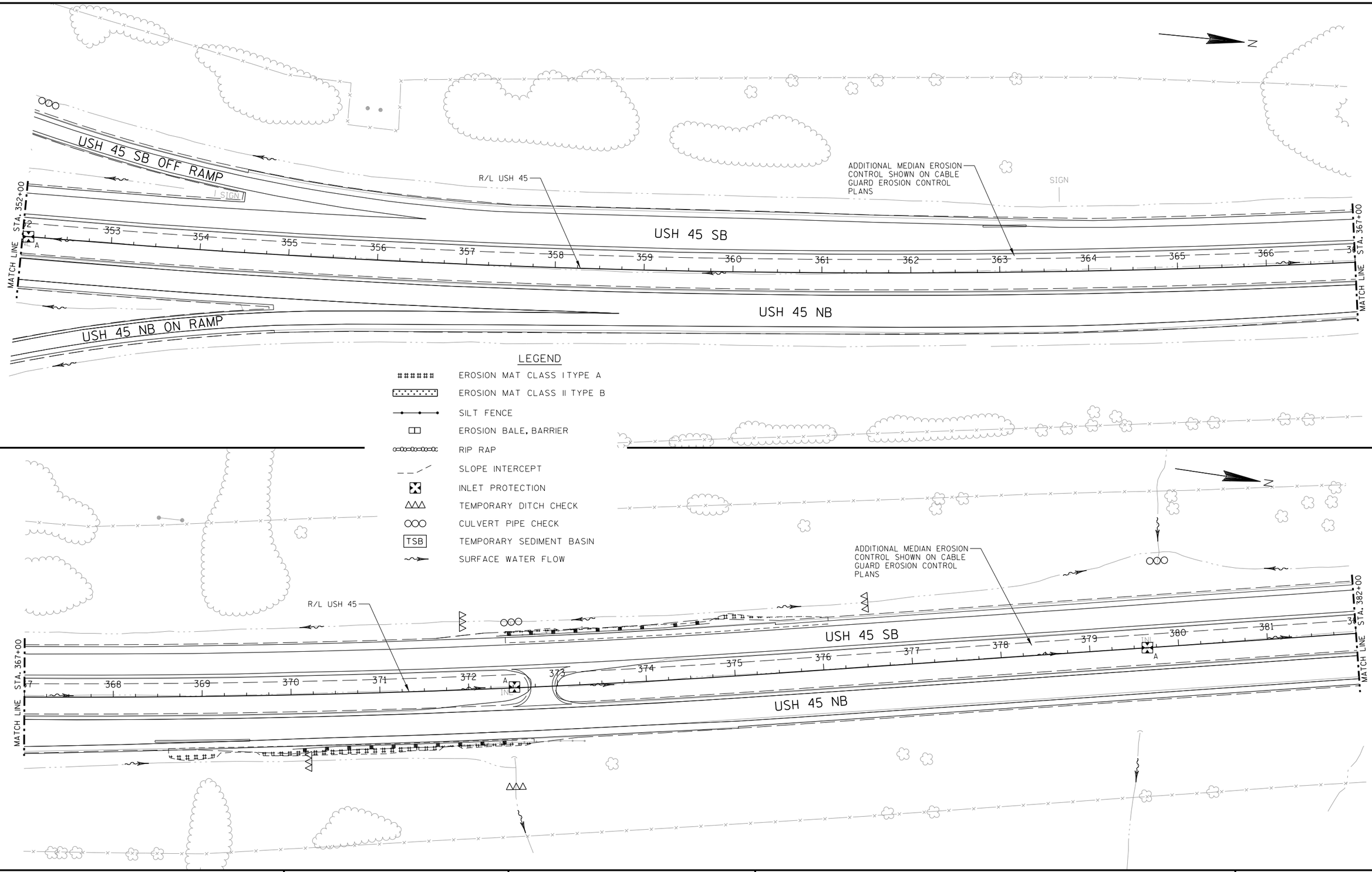
USH 45 NB ON RAMP

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

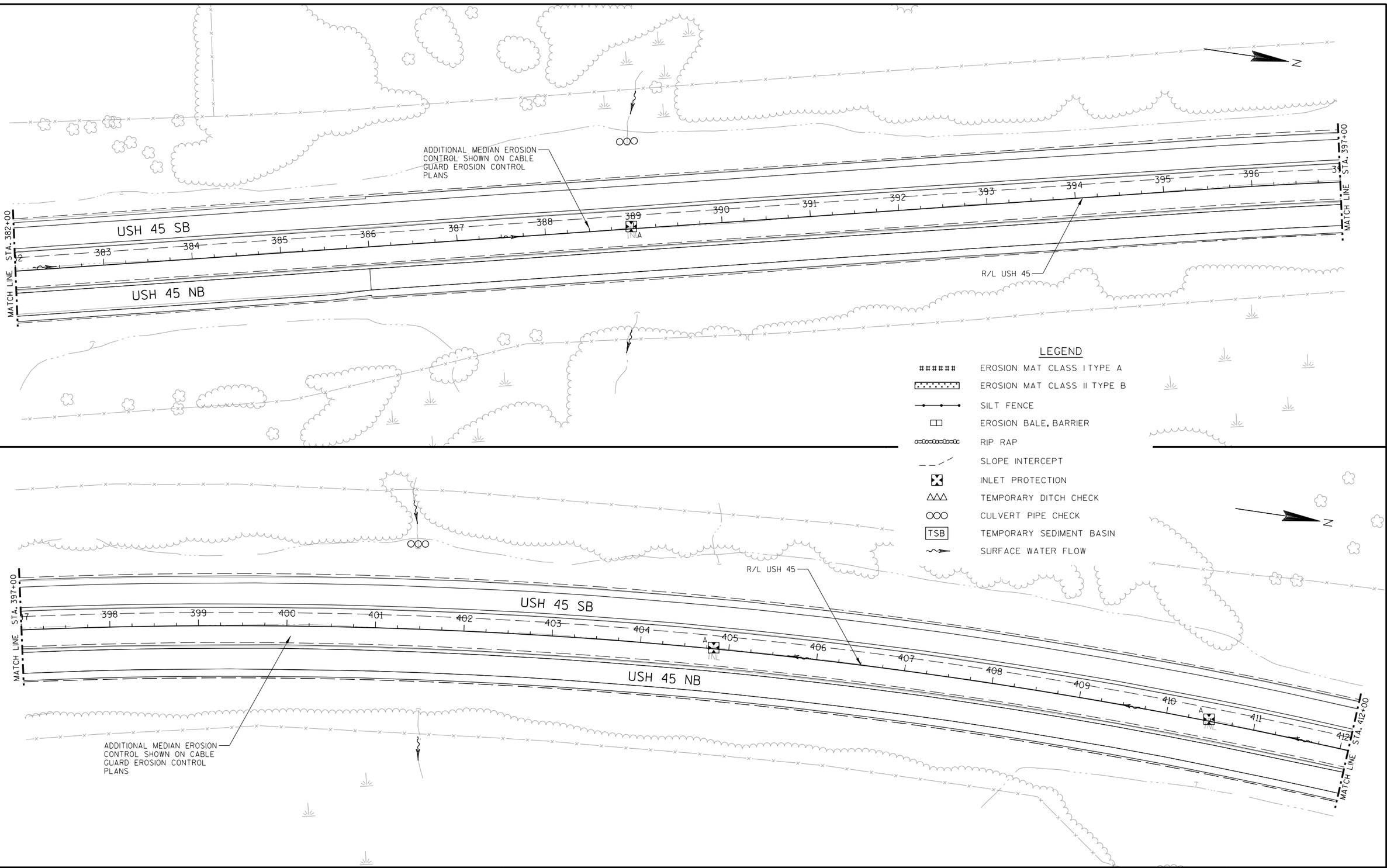
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_100



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

2



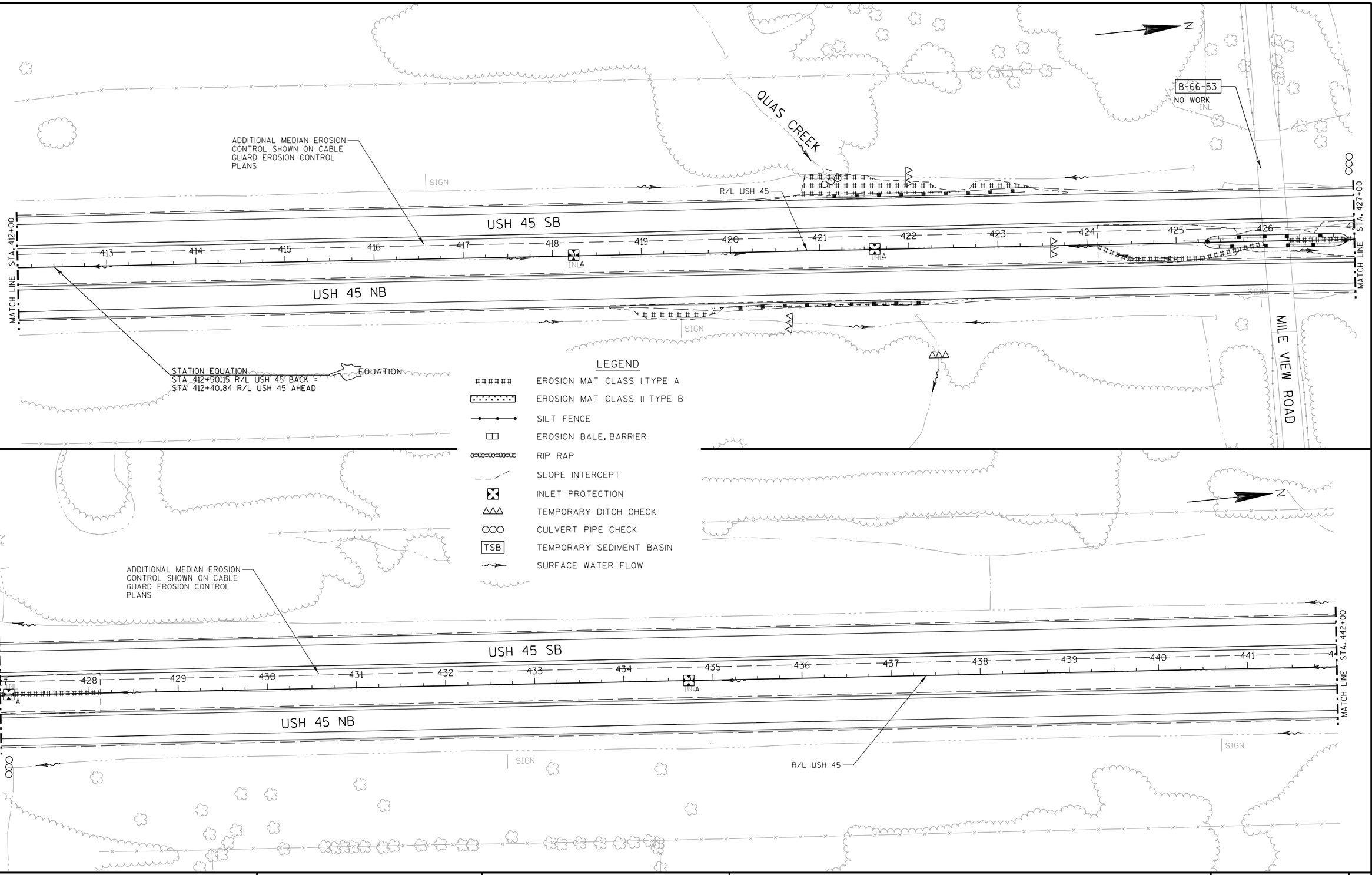
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_102

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2

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_103

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

N

CTH NN

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

USH 45 SB

USH 45 NB

STA. 442+00

MATCH LINE

STA. 457+00

MATCH LINE

443 444 445 446 447 448 449 450 451 452 453 454 455 456

INLA

R/L USH 45

B-66-54
SE WINGWALL REPAIR

MH

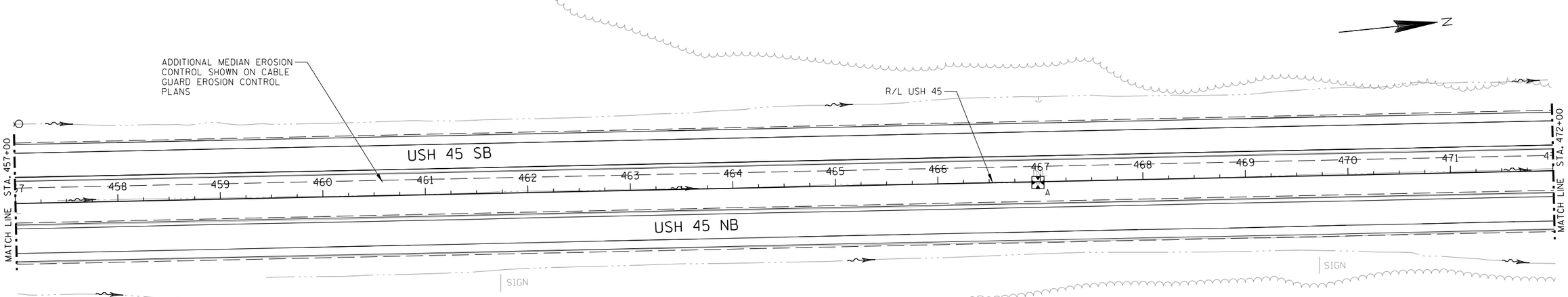
CTH NN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_104

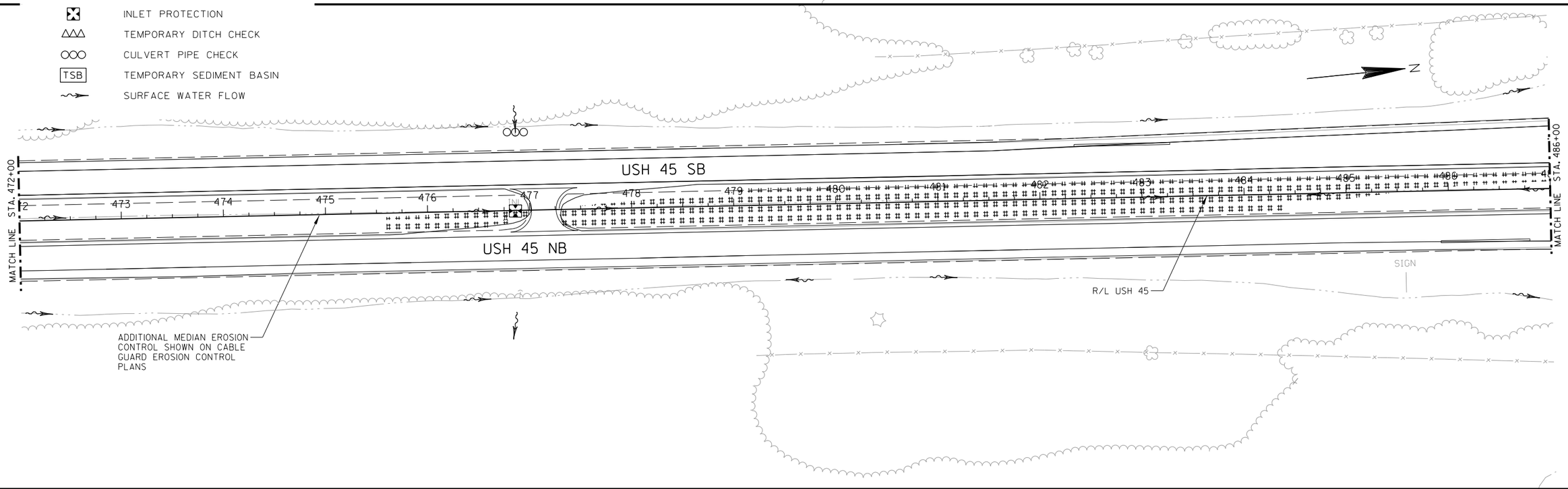
FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022019_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

2

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

USH 45 SB ON RAMP

USH 45 SB

USH 45 NB

USH 45 NB OFF RAMP

R/L USH 45

MATCH LINE STA. 487+00

MATCH LINE STA. 502+00

INL

MH

SIGN

ANT.

U/C

W

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_106

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022021_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

USH 45 SB OFF RAMP

USH 45 SB OFF RAMP

USH 45 SB ON RAMP

PARADISE DRIVE

PARADISE DRIVE

N

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

USH 45 SB

USH 45 NB

B-66-56
NO WORK

B-66-56

B-66-55

B-66-55
NO WORK

MATCH LINE STA. 502+00

MATCH LINE STA. 517+00

R/L USH 45

USH 45 NB ON RAMP

USH 45 NB OFF RAMP

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_107

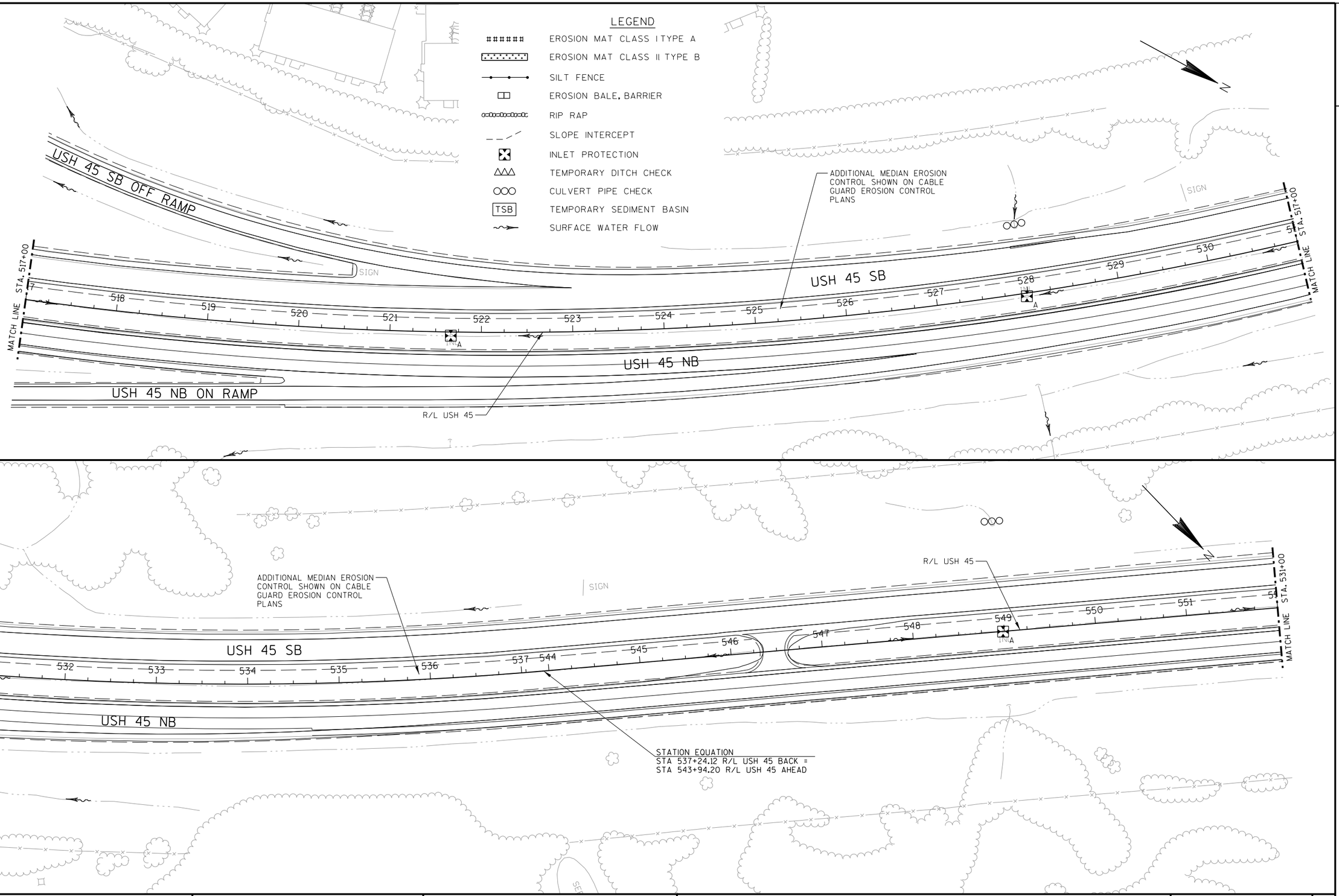
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2

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_108

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022023_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

S 18TH AVENUE

B-66-58
NO WORK

B-66-57
NO WORK

R/L USH 45

USH 45 SB

USH 45 NB

B-66-58

B-66-57

STA. 552+00

MATCH LINE

STA. 567+00

ADDITIONAL MEDIAN EROSION CONTROL SHOWN ON CABLE GUARD EROSION CONTROL PLANS

B-66-59
PAINT STEEL GIRDERS

W DECORAH ROAD

SIGN

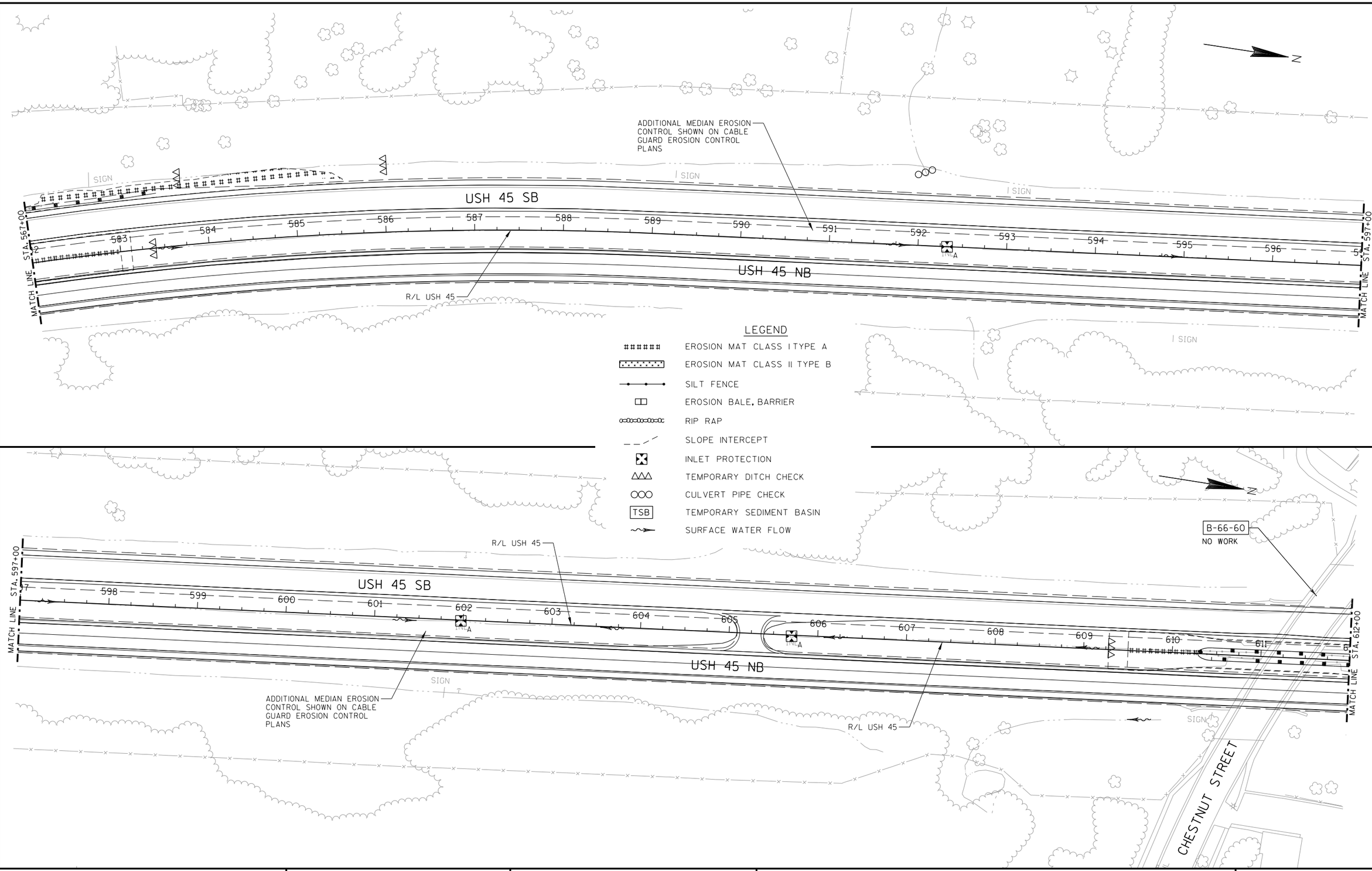
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_109

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022024_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

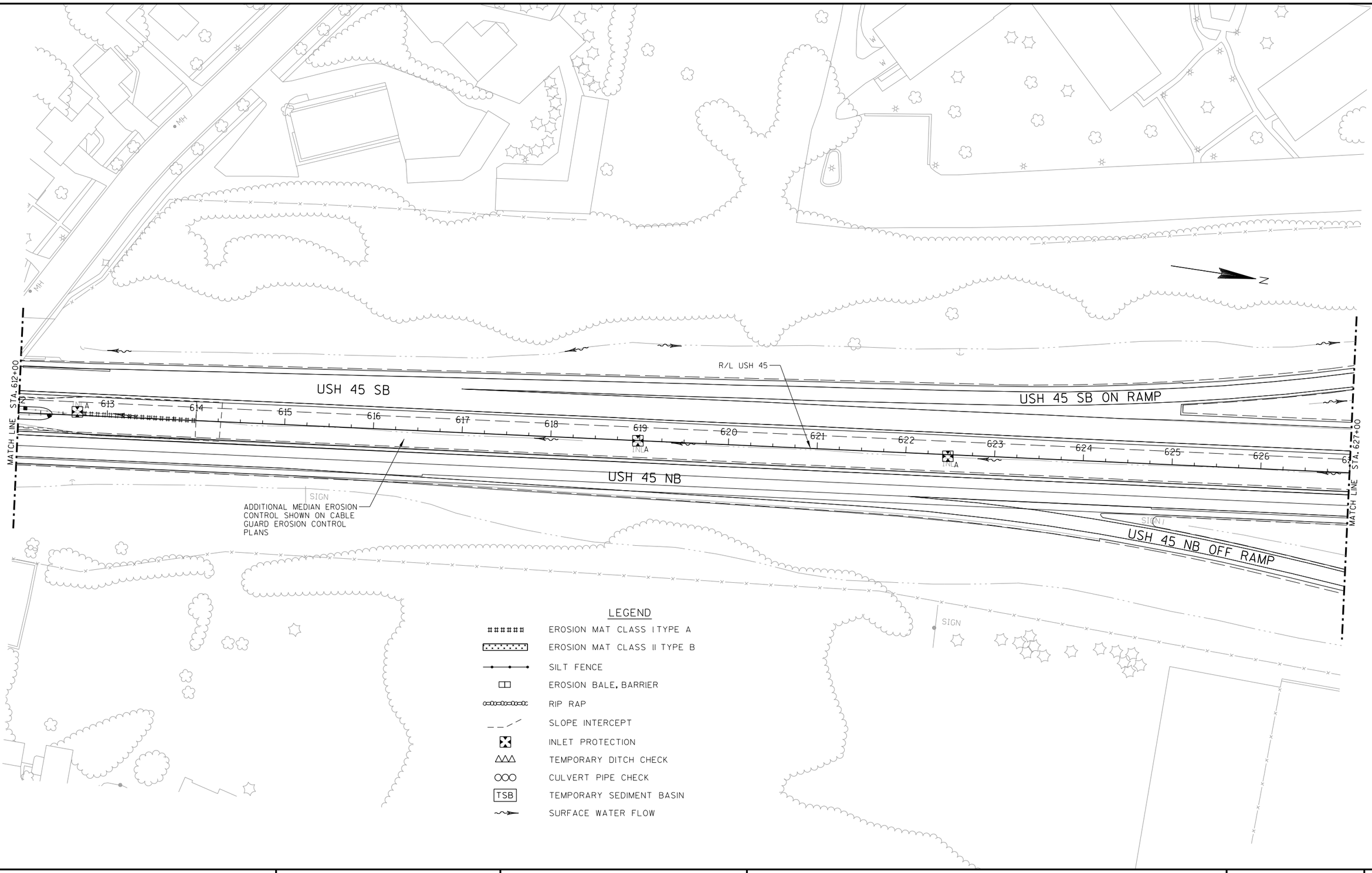
2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

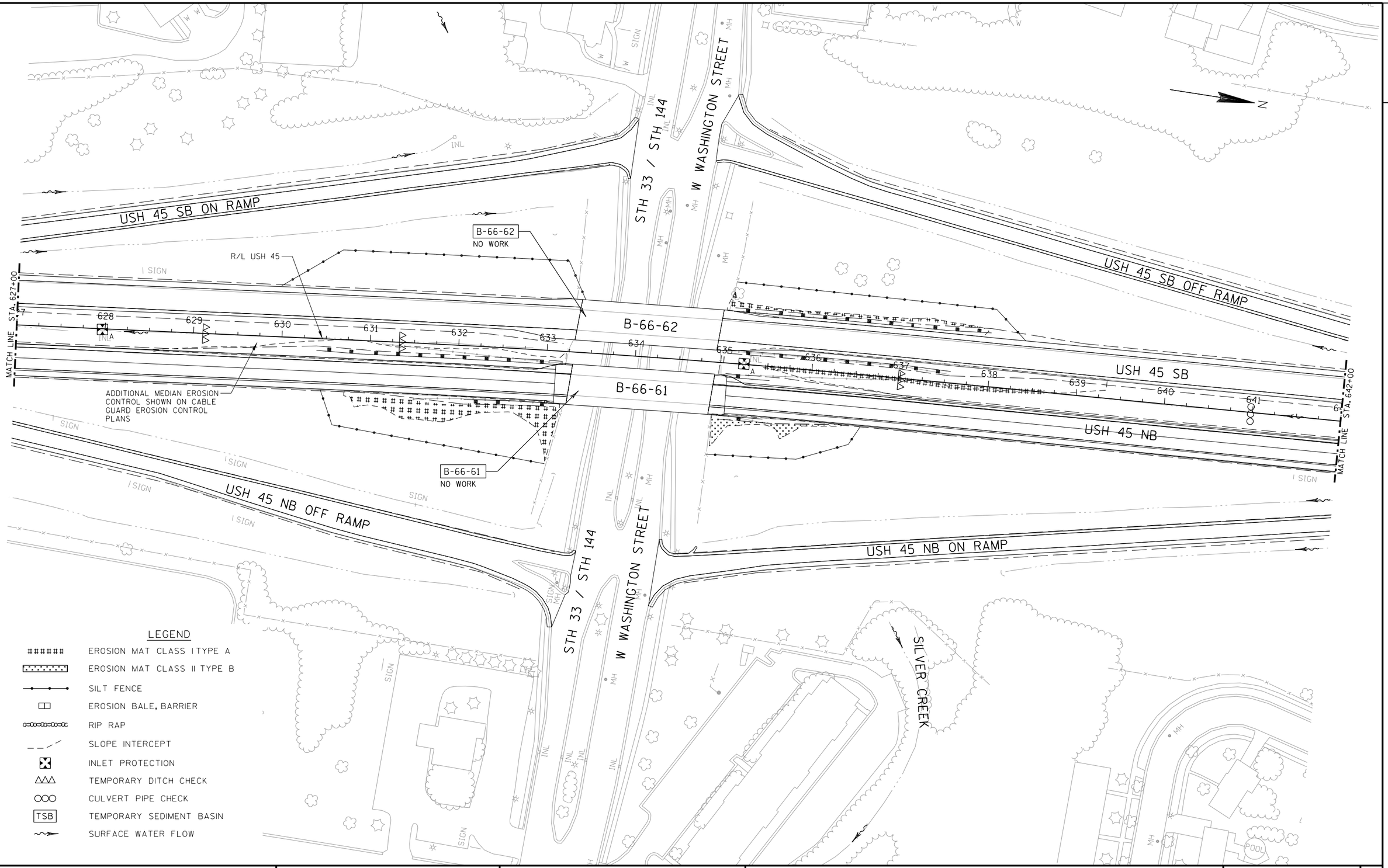
PRE_110

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

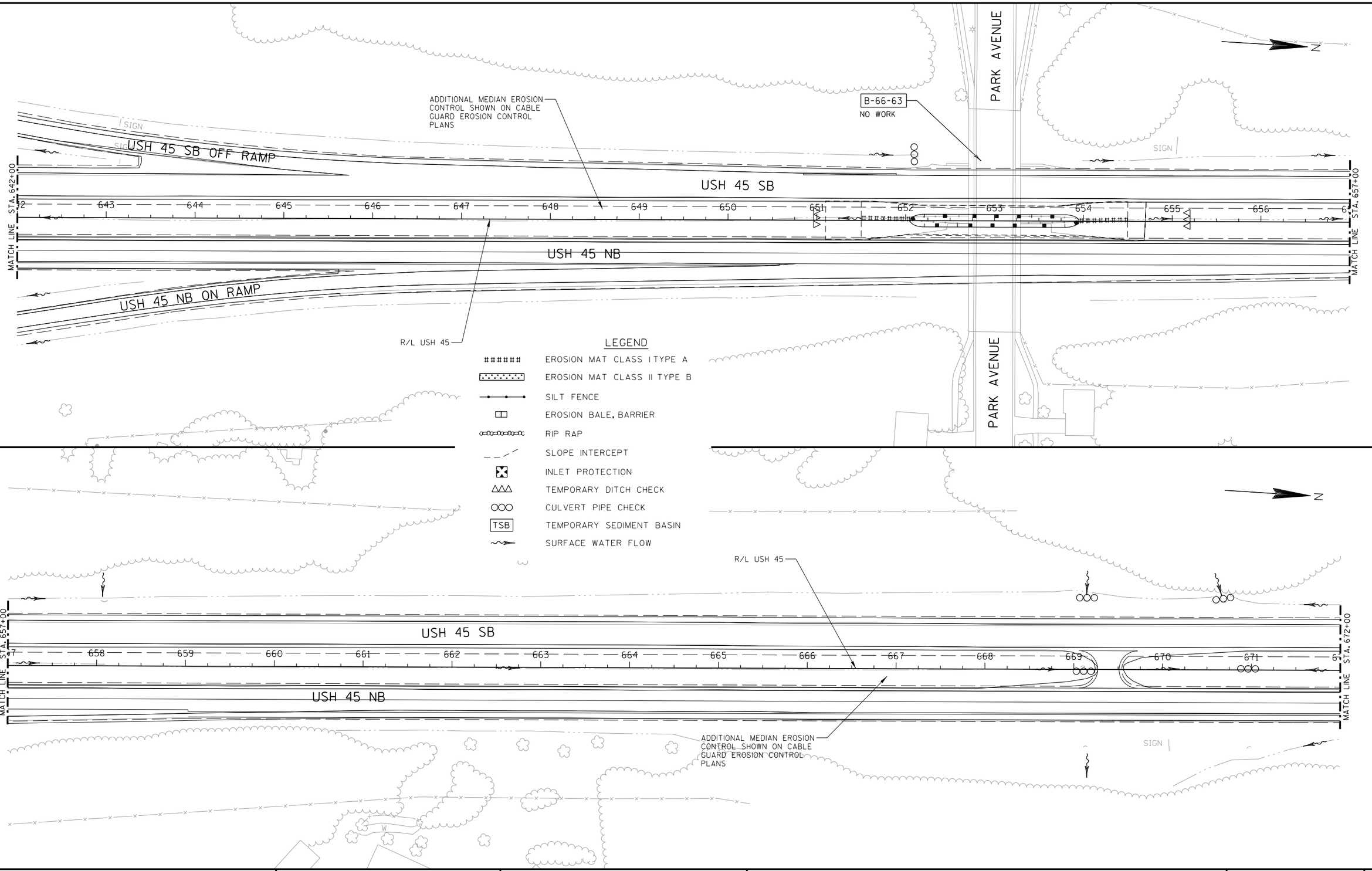
PRE_111



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_112

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022027_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

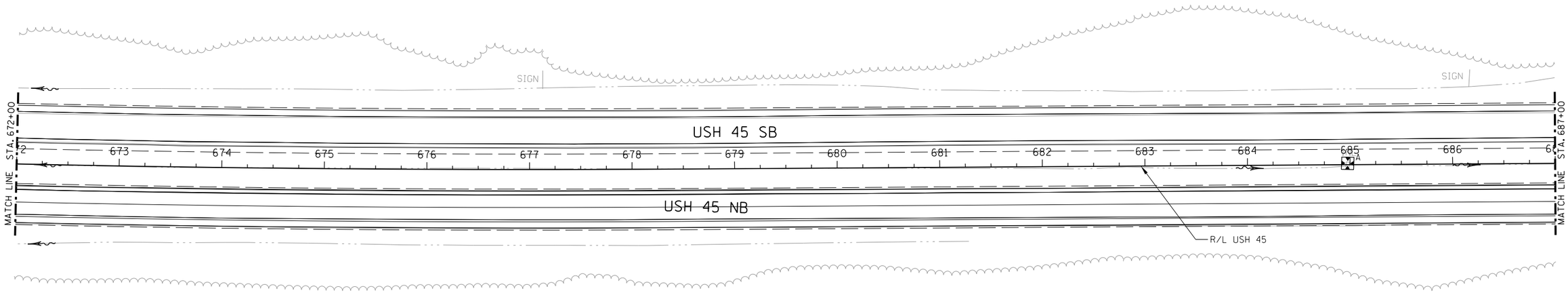


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_113

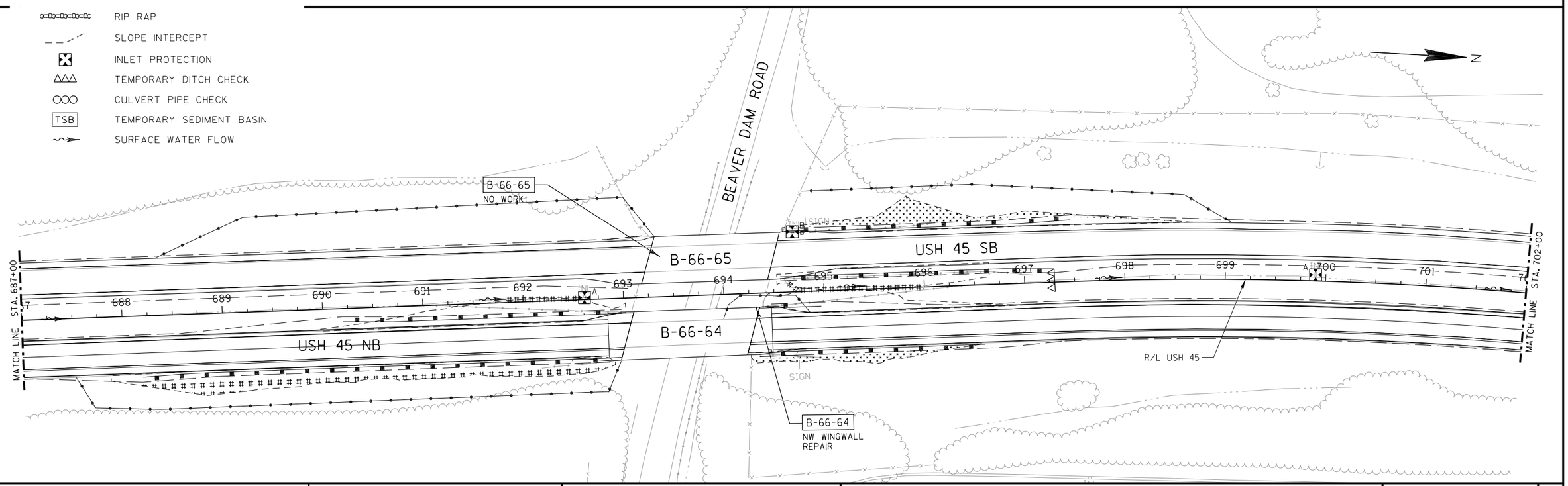
FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022028_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022029_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

N

SIGN

USH 45 SB

USH 45 NB

R/L USH 45

STA. 702+00

MATCH LINE

STA. 717+00

MATCH LINE

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

N

USH 45 SB ON RAMP

USH 45 SB

USH 45 NB

STA. 717+00

MATCH LINE

STA. 732+00

MATCH LINE

SIGN

USH 45 NB OFF RAMP

STATION EQUATION
STA 718+65.34 R/L USH 45 BACK =
STA 718+45.34 R/L USH 45 AHEAD

EQUATION

R/L USH 45

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_115

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

USH 45 SB OFF RAMP

USH 45 SB ON RAMP

COUNTY ROAD HWY D

B-66-67
NO WORK

B-66-67

B-66-66

B-66-66
NO WORK

R/L USH 45

USH 45 SB

USH 45 NB

USH 45 NB OFF RAMP

USH 45 NB ON RAMP

MATCH LINE STA. 732+00

MATCH LINE STA. 747+00

SIGN

INL

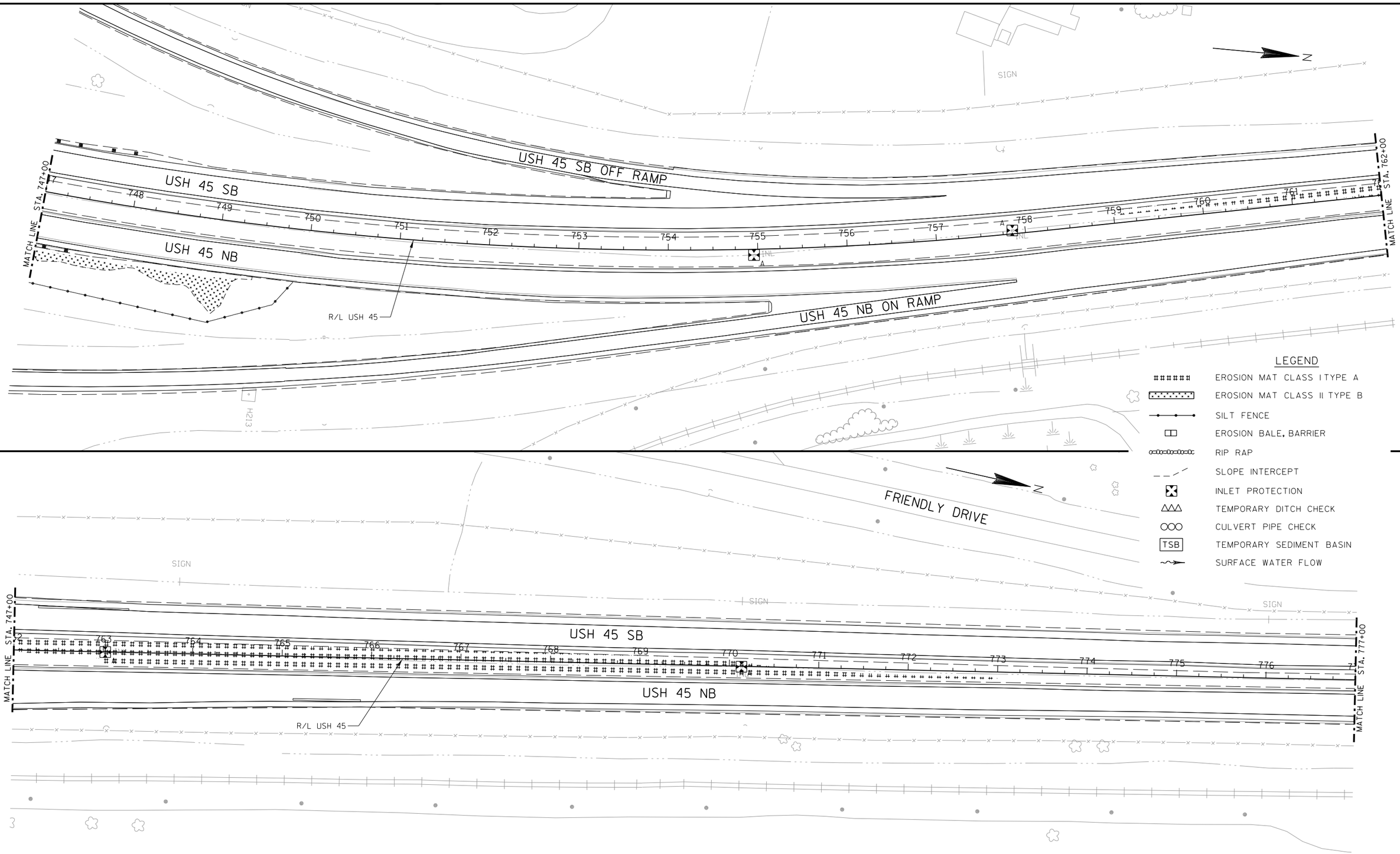
MH

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_116

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022031_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

2

2

LEGEND

- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- TSB — TEMPORARY SEDIMENT BASIN
- SURFACE WATER FLOW

FRIENDLY DRIVE

N

SIGN

SIGN

INL

USH 45 SB

STA. 777+00

MATCH LINE

777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792

INL

INL

INL

USH 45 NB

SIGN

R/L USH 45

END PROJECT I.D.
2220-02-70
STA 787+85.58

SANDY RIDGE ROAD

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_118

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\022033_EC.DGN PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

SIGN

CABLE BARRIER TERMINAL NO. 1
STA 118+67, 10.0' LT

STA 119+96, 15.0' LT

PC: 122+82.51

EXISTING DOT MARKER TO REMAIN

110 112 USH 45 114 116 118 120 122 124

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

SIGN

WESTERN AVE

U.S.H. 45

SIGN

PT: 134+35.03

EXISTING DOT MARKER TO REMAIN

SI

SI

U.S.H. 45

WESTERN AVE

SIGN

SIGN

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_119

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 1

PLOT DATE : 8/13/2019 8:26 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

U.S.H. 45

U.S.H. 45

U.S.H. 45

U.S.H. 45

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_120

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 2

PLOT DATE : 8/13/2019 8:28 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

SHERMAN RD

SHERMAN RD

SI

SI

SIGN

CABLE BARRIER TERMINAL NO. 2
STA 181+00, 15.0' LT

CABLE BARRIER TERMINAL NO. 3
STA 183+59, 15.0' RT

U.S.H. 45

U.S.H. 45

172 174 176 178 180 182 184 186

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

PC: 195+05.11

EXISTING DOT MARKER TO REMAIN

U.S.H. 45

U.S.H. 45

188 190 192 194 196 198 200

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

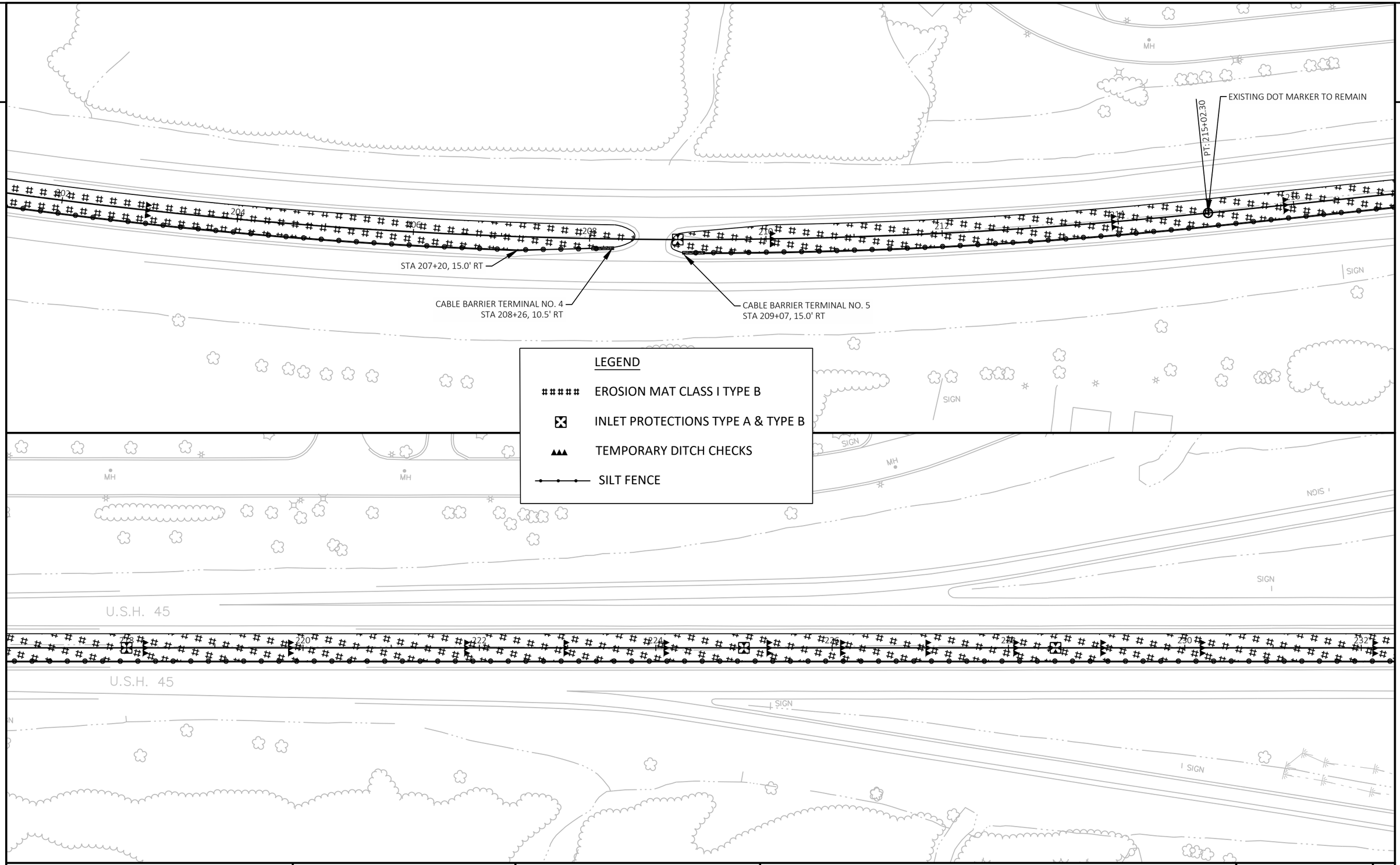
PRE_121

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 3

PLOT DATE : 8/13/2019 8:30 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



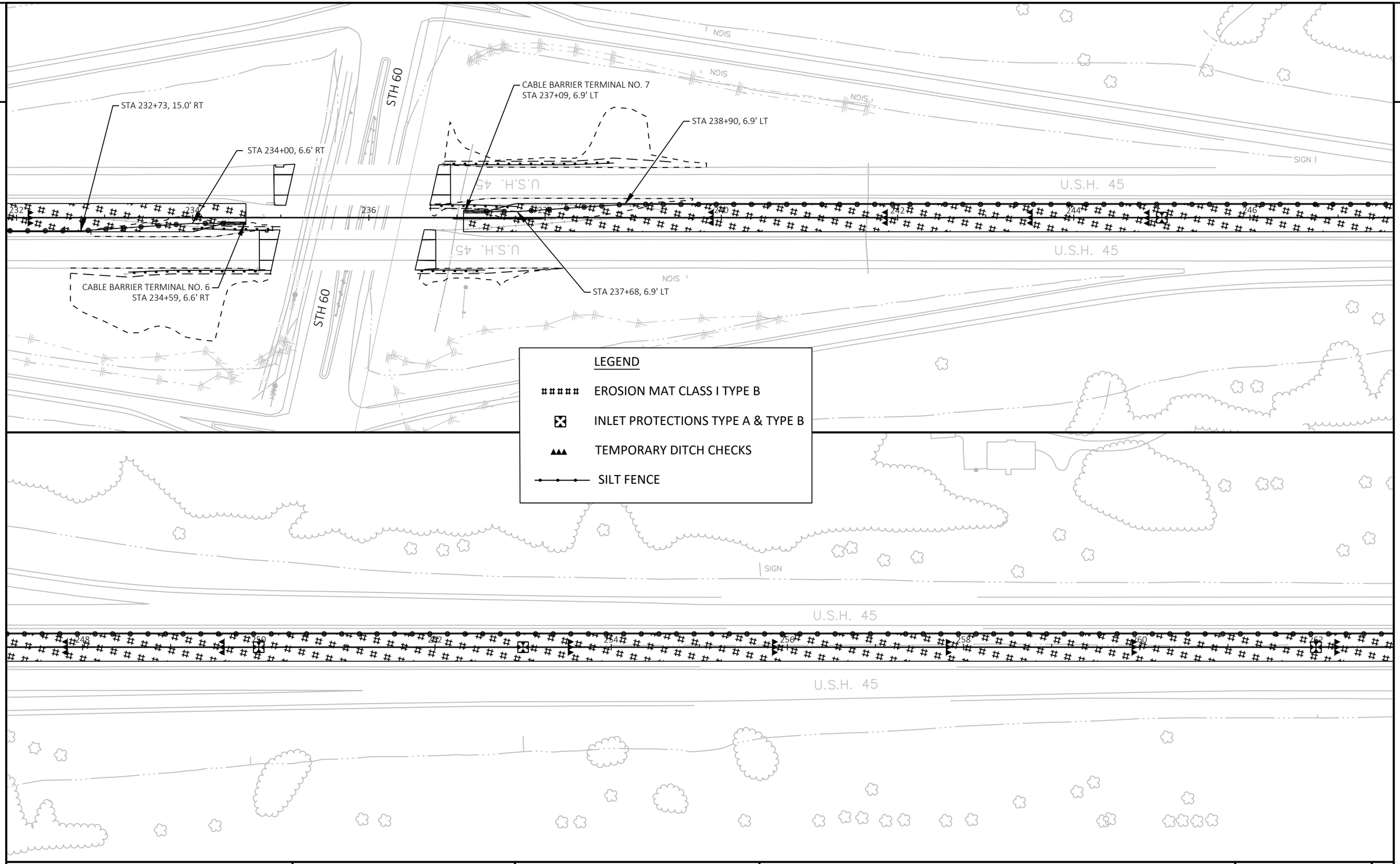
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_122

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 4

PLOT DATE : 8/13/2019 8:32 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

- EROSION MAT CLASS I TYPE B
- INLET PROTECTIONS TYPE A & TYPE B
- TEMPORARY DITCH CHECKS
- SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_123

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 5

PLOT DATE : 8/13/2019 8:35 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CABLE BARRIER TERMINAL NO. 8
STA 268+28, 15.0' LT

CABLE BARRIER TERMINAL NO.9
STA 269+07, 9.5' LT

STA 270+30, 15.0' LT

PC: 272+51.69

EXISTING DOT MARKER TO REMAIN

U.S.H. 45

SIGN

CEDAR CREEK RD

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

LEGEND

PERMANENT IMPACTS

TEMPORARY IMPACTS

SLOPE INTERCEPTS

WETLAND BOUNDARY

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 6

PLOT DATE : 8/13/2019 8:37 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

PRE_124

WISDOT/CADDS SHEET 44

2

2

PT: 298+69.77

EXISTING DOT MARKER TO REMAIN

SIGN

SIGN

SIGN

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

CABLE BARRIER TERMINAL NO. 10
STA 309+25, 15.0' LT

SIGN

U.S.H. 45

U.S.H. 45

CABLE BARRIER TERMINAL NO. 11
STA 310+06, 15.0' RT

BP: 1318+00.00

BP: 1320+00.00

1319+00

1320+00

1321+00

1322+00

1323+00

1321+00

1322+00

1323+00

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_125

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 7

PLOT DATE : 8/13/2019 8:39 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

PI: 1328+61.12

PC: 1330+19.49

PC: 1328+38.07

PT: 1334+18.80

EP: 1338+31.74

PC: 350+67.43

USH 45 SB ON-RAMP

USH 45 NB OFF-RAMP

USH 45 SB OFF-RAMP

USH 45 NB ON-RAMP

U.S.H. 45

PLEASANT VALLEY RD

SIGN

SI

1324+00 1325+00 1326+00 1327+00 1328+00 1329+00 1330+00 1331+00 1332+00 1333+00 1334+00 1335+00 1336+00 1337+00 1338+00

340 342 344 346 348 350 352 354

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_126

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 8

PLOT DATE : 8/13/2019 8:41 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

I SIGN

SIGN

U.S.H. 45

U.S.H. 45

354 356 358 360 362 364 366 368

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

PT: 375+48.39

EXISTING DOT MARKER TO REMAIN

STA 274+26, 15.0' LT

U.S.H. 45

U.S.H. 45

370 372 374 376 378 380 382 384

STA 271+33, 15.0' RT

CABLE BARRIER TERMINAL NO. 13
STA 373+23, 10.0' LT

CABLE BARRIER TERMINAL NO. 12
STA 372+46, 10.0' RT

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

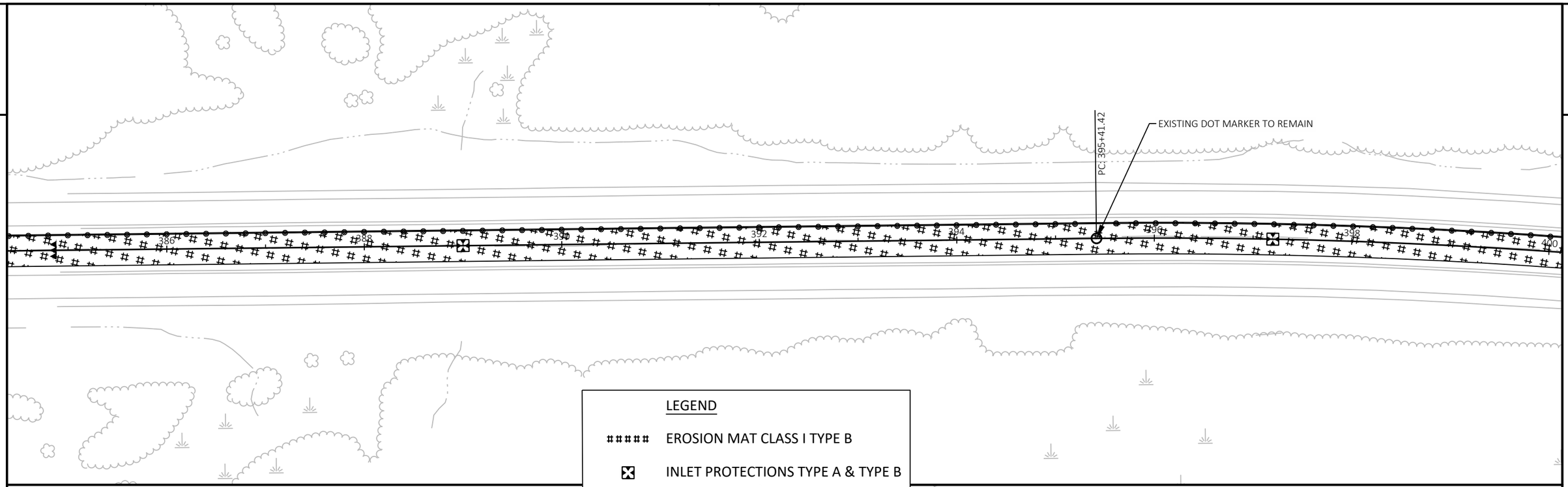
PRE_127

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 9

PLOT DATE : 8/13/2019 8:43 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2



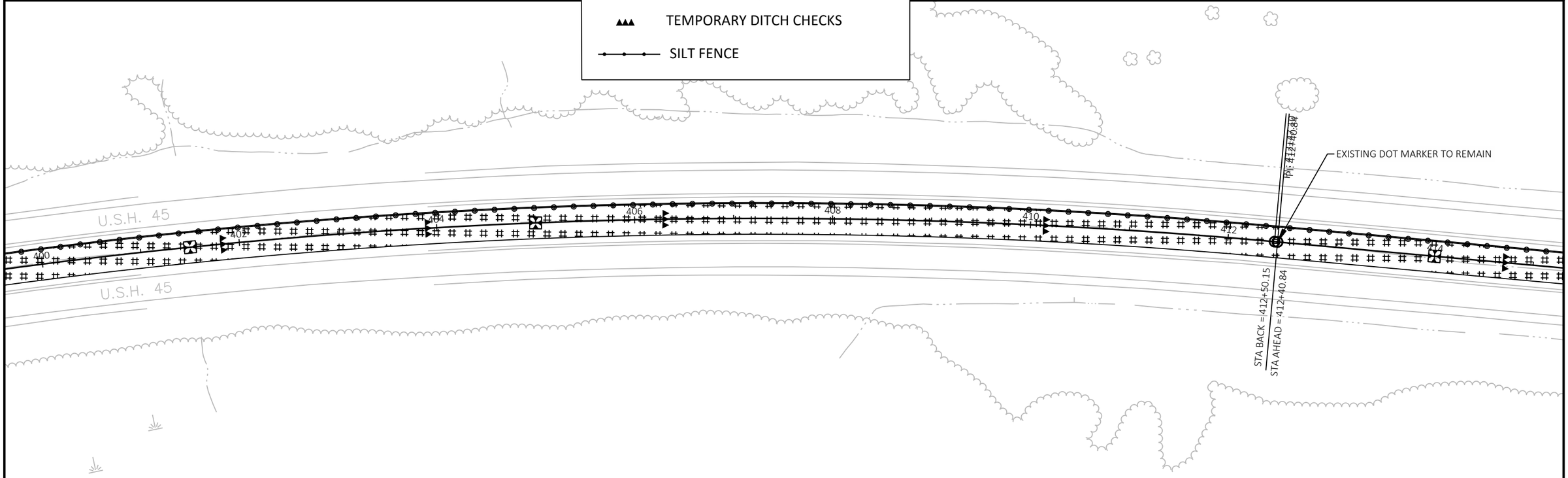
LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_128

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 10

PLOT DATE : 8/13/2019 8:45 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MILE VIEW RD

MILE VIEW RD.

SIGN

SI

SI

SI

SI

U.S.H. 45

416 418 420 422 424 426 428 430

U.S.H. 45

SIGN

SIGN

SIGN

MILE VIEW RD

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

U.S.H. 45

432 434 436 438 440 442 444

U.S.H. 45

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_129

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 11

PLOT DATE : 8/13/2019 8:48 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

CTH NN

MH

SIGN

U.S.H. 45

446 448 450 452 454 456 458 460

462 464 466 468 470 472 474 476

LEGEND

#####	EROSION MAT CLASS I TYPE B
	INLET PROTECTIONS TYPE A & TYPE B
▲▲▲	TEMPORARY DITCH CHECKS
	SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CABLE BARRIER	SHEET E

PRE_130

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 12

PLOT DATE : 8/13/2019 8:50 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

CABLE BARRIER TERMINAL NO. 14
STA 476+76, 15.0' LT

CABLE BARRIER TERMINAL NO. 15
STA 477+25, 15.0' RT

476 478 480 482 484 486 488 490

SIGN

LEGEND

- EROSION MAT CLASS I TYPE B
- INLET PROTECTIONS TYPE A & TYPE B
- TEMPORARY DITCH CHECKS
- SILT FENCE

USH 45 SB ON-RAMP

U.S.H. 45

U.S.H. 45

SIGN

USH 45 NB OFF-RAMP

EXISTING DOT MARKER TO REMAIN

PC: 500+04.22

CABLE BARRIER TERMINAL NO. 16
STA 502+60, 6.6' RT

SIGN

498 500 502 504 506

STA 500+77, 15.0' RT

STA 502+01, 6.6' RT

SI

W PARADISE DR

MH

12"(P)

W PARADISE DR

MH

H208

12"(P)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_131

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 13

PLOT DATE : 8/13/2019 8:52 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

USH 45 SB OFF-RAMP

USH 45 NB ON-RAMP

U.S.H. 45

U.S.H. 45

U.S.H. 45

SI

CABLE BARRIER TERMINAL NO. 17
STA 508+08, 15.0' RT

SIGN

SIGN

SIGN

SIGN

8" PVC (P)

8" PVC (P)

PI: 543+94.50

PK: 537+24.12

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

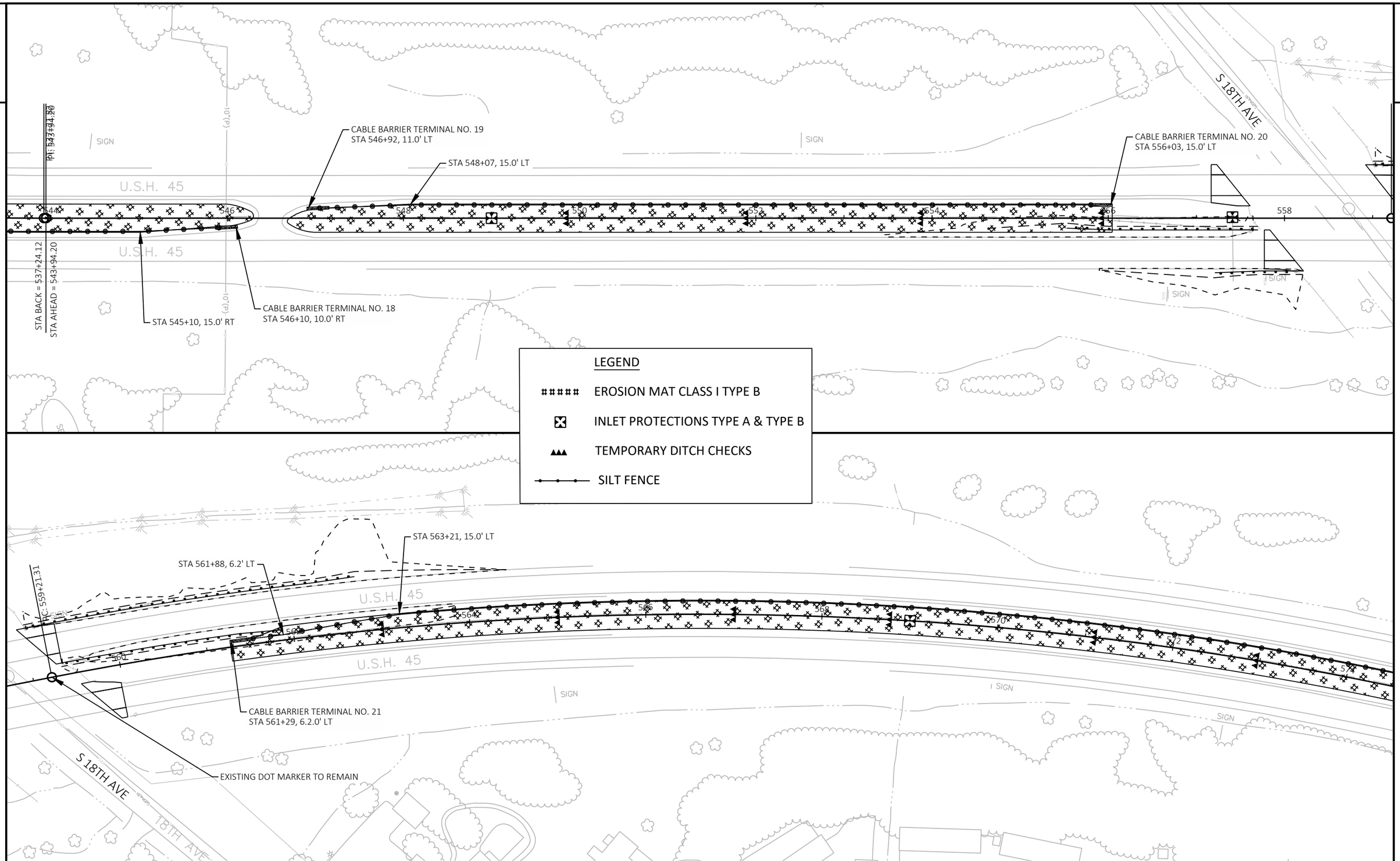
PRE_132

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 14

PLOT DATE : 8/13/2019 8:54 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 15

PLOT DATE : 8/13/2019 8:56 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

W DECORAH RD

W DECORAH RD

U.S.H. 45

U.S.H. 45

U.S.H. 45

U.S.H. 45

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

576

580

582

584

586

588

590

592

594

596

598

600

602

604

PT: 589+05.49

EXISTING DOT MARKER TO REMAIN

16' (P)

16' (P)

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_134

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 16

PLOT DATE : 8/13/2019 8:58 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

CABLE BARRIER TERMINAL NO. 22
STA 604+85, 15.0' LT

STA 606+80, 15.0' LT

CABLE BARRIER TERMINAL NO. 23
STA 605+64, 9.5' RT

CHESTNUT ST

CHESTNUT ST

U.S.H. 45

U.S.H. 45

SIGN

SIGN

MH

606 608 610 612 614 616 618 620

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

CABLE BARRIER TERMINAL NO. 24
STA 631+30, 15.0' LT

PC: 631+11.08

EXISTING DOT MARKER TO REMAIN

W WASHINGTON ST

STH 33/144

620 622 624 626 628 630 632 634

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_135

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 17

PLOT DATE : 8/13/2019 9:01 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

EXISTING DOT MARKER TO REMAIN

STA 637+65, 6.0' LT

STA 639+01, 15.0' LT

T: 637+09.87

CABLE BARRIER TERMINAL NO. 25
STA 637+05, 6.0.0' LT

U.S.H. 45

U.S.H. 45

SIGN

SIGN

SIGN

636 638 640 642 644 646 648 650

PARK AVE

PARK AVE

SIGN

U.S.H. 45

U.S.H. 45

652 654 656 658 660 662 664

LEGEND

#####	EROSION MAT CLASS I TYPE B
	INLET PROTECTIONS TYPE A & TYPE B
▲▲▲	TEMPORARY DITCH CHECKS
	SILT FENCE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

PRE_136

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 18

PLOT DATE : 8/13/2019 9:03 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

CABLE BARRIER TERMINAL NO. 26
STA 669+00, 15.0' LT

PC: 671+48.70

PT: 678+48.29

SIGN

U.S.H. 45

USH 45

666 668 670 672 674 676 678 680

U.S.H. 45

SIGN

LEGEND

EROSION MAT CLASS I TYPE B

INLET PROTECTIONS TYPE A & TYPE B

TEMPORARY DITCH CHECKS

SILT FENCE

SIGN

U.S.H. 45

682 684 686 688 690 692 694 696

U.S.H. 45

SIGN

SIGN

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	EROSION CONTROL	SHEET E

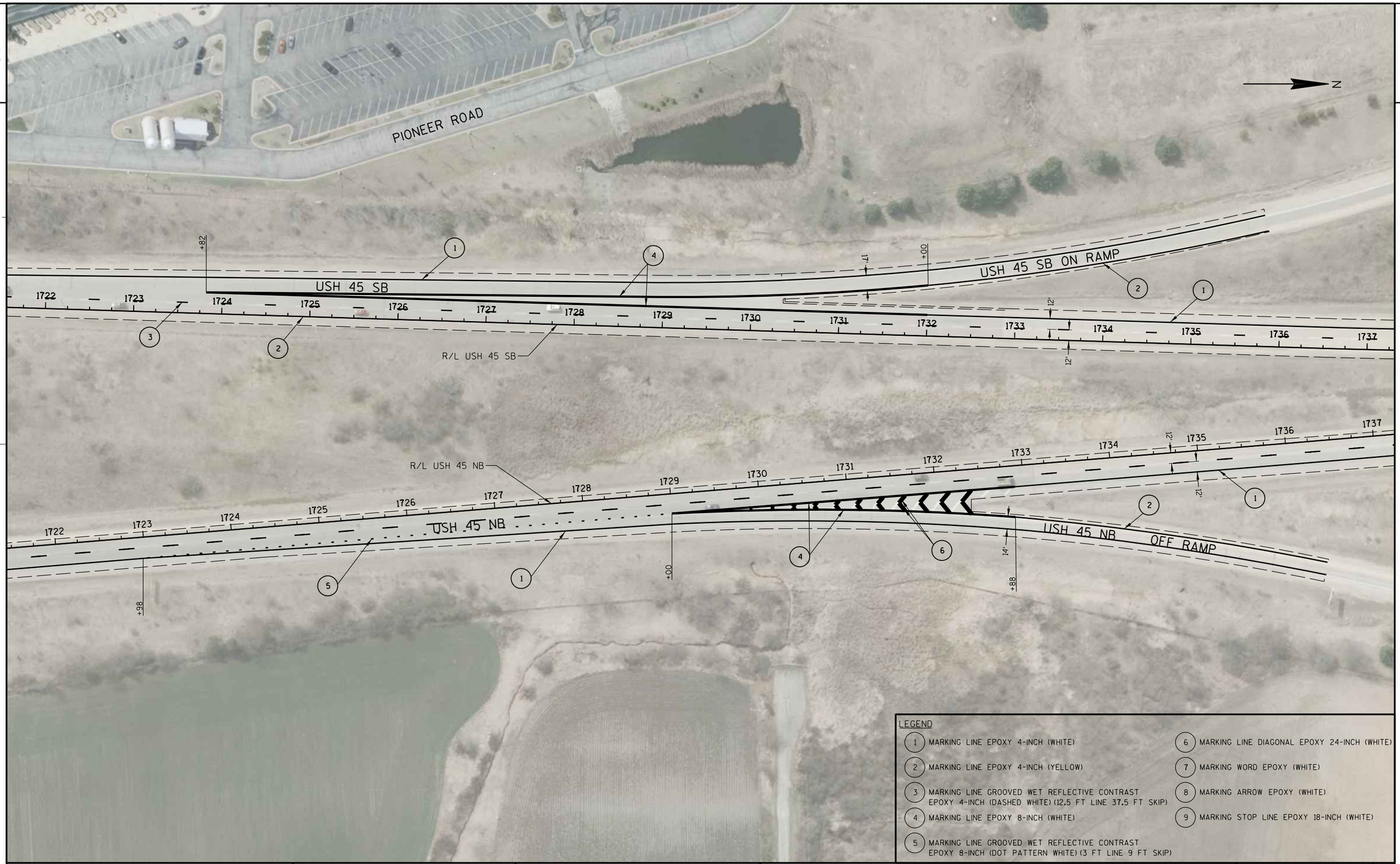
PRE_137

FILE NAME : N:\PDS\C3D\22200200\SHEETSOTHER\SHEETSPLAN\22200200_EC_SHEETS.DWG
LAYOUT NAME - sheet 19

PLOT DATE : 8/13/2019 9:05 AM PLOT BY : YANG, VANG NENG PLOT NAME : PLOT SCALE : 1 IN:100 FT

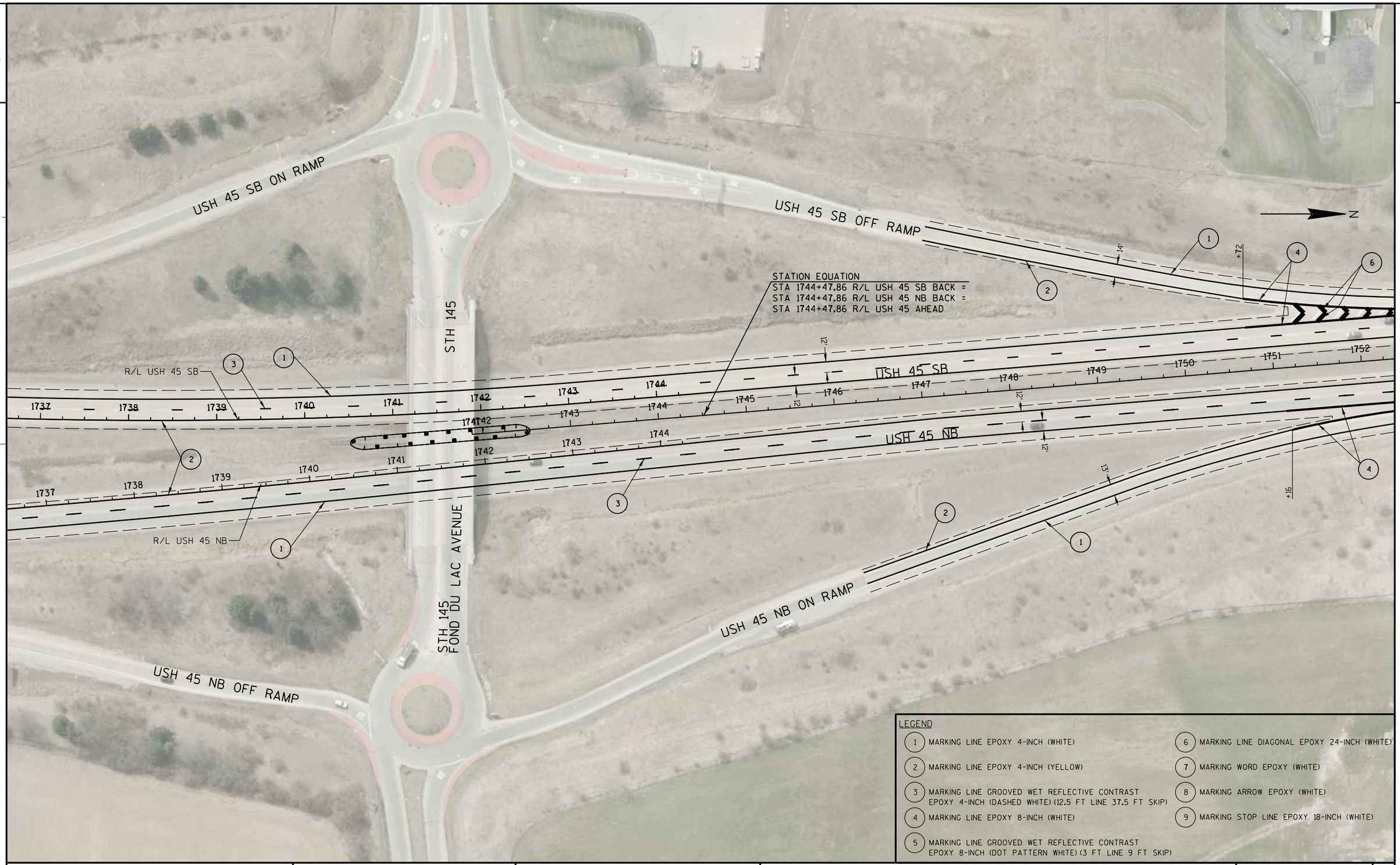
WISDOT/CADDS SHEET 44

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

2



LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

NOTES:

1) PAVEMENT MARKING CONTINUES AS SHOWN TO NEXT INTERCHANGE SEE STANDARD DETAIL DRAWINGS.

N

STATION EQUATION
STA 1756+94.79 R/L USH 45 BACK =
STA 102+20.23 R/L USH 45 AHEAD

R/L USH 45

USH 45 SB

USH 45 NB

1752 1753 1754 1755 1756 103 104 105 106 107 108 109 110 111 112

+78 +21 +88

13' 12'

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

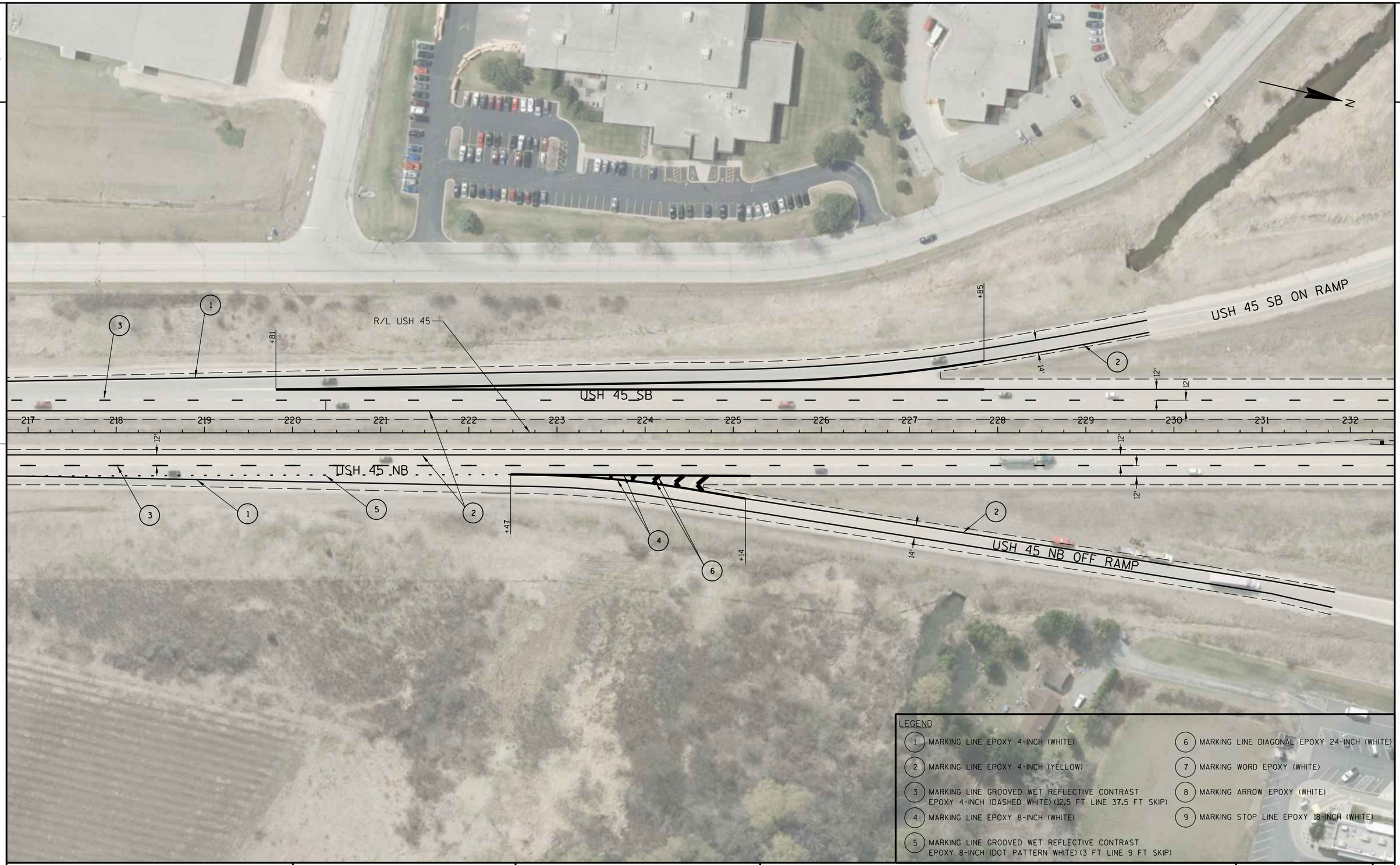
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

PRE_140

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024505_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

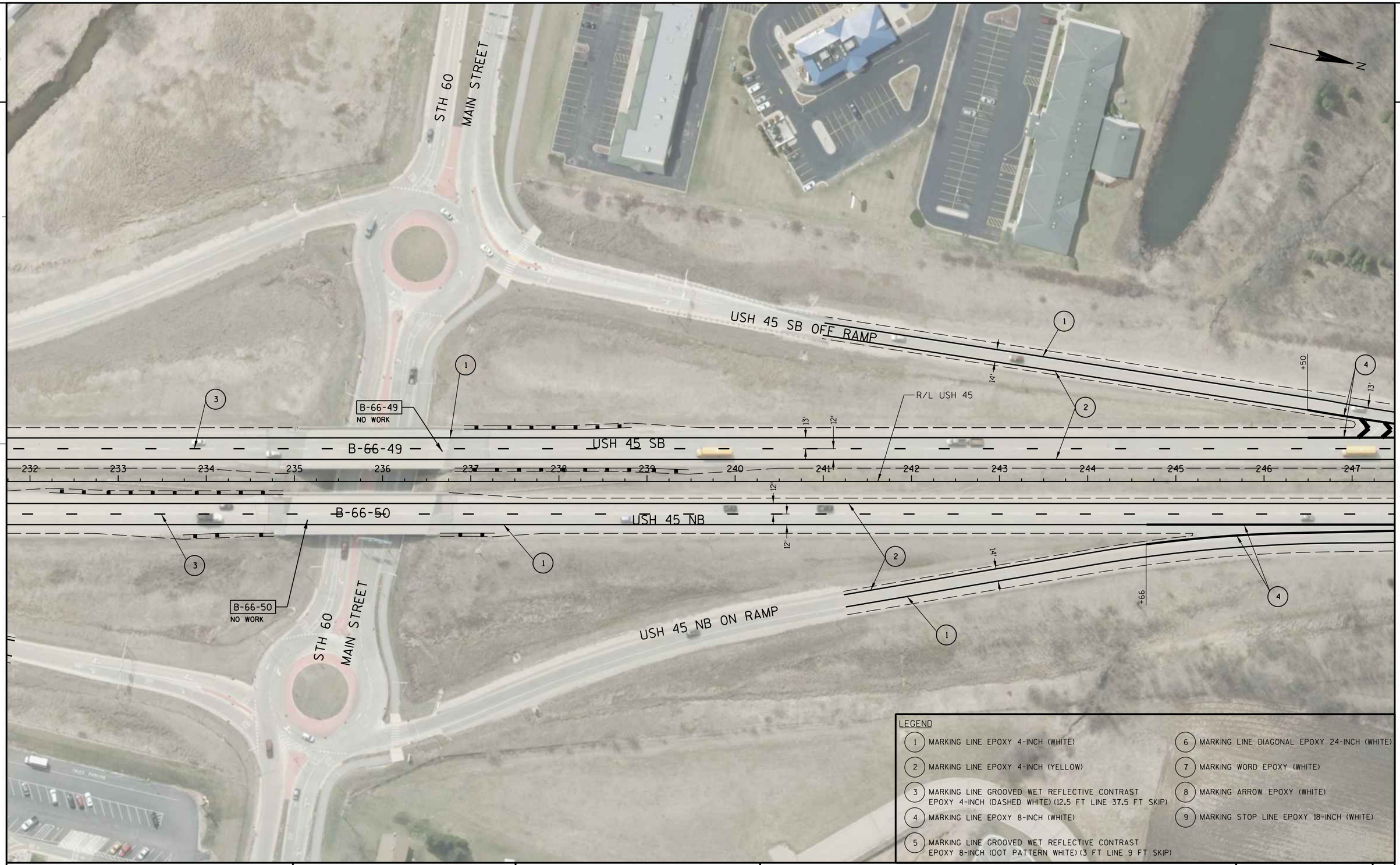
2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024509_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

NOTES:

1) PAVEMENT MARKING CONTINUES AS SHOWN TO NEXT INTERCHANGE SEE STANDARD DETAIL DRAWINGS.

N

USH 45 SB

USH 45 NB

R/L USH 45

+78

+76

+65

12'

247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262

LEGEND

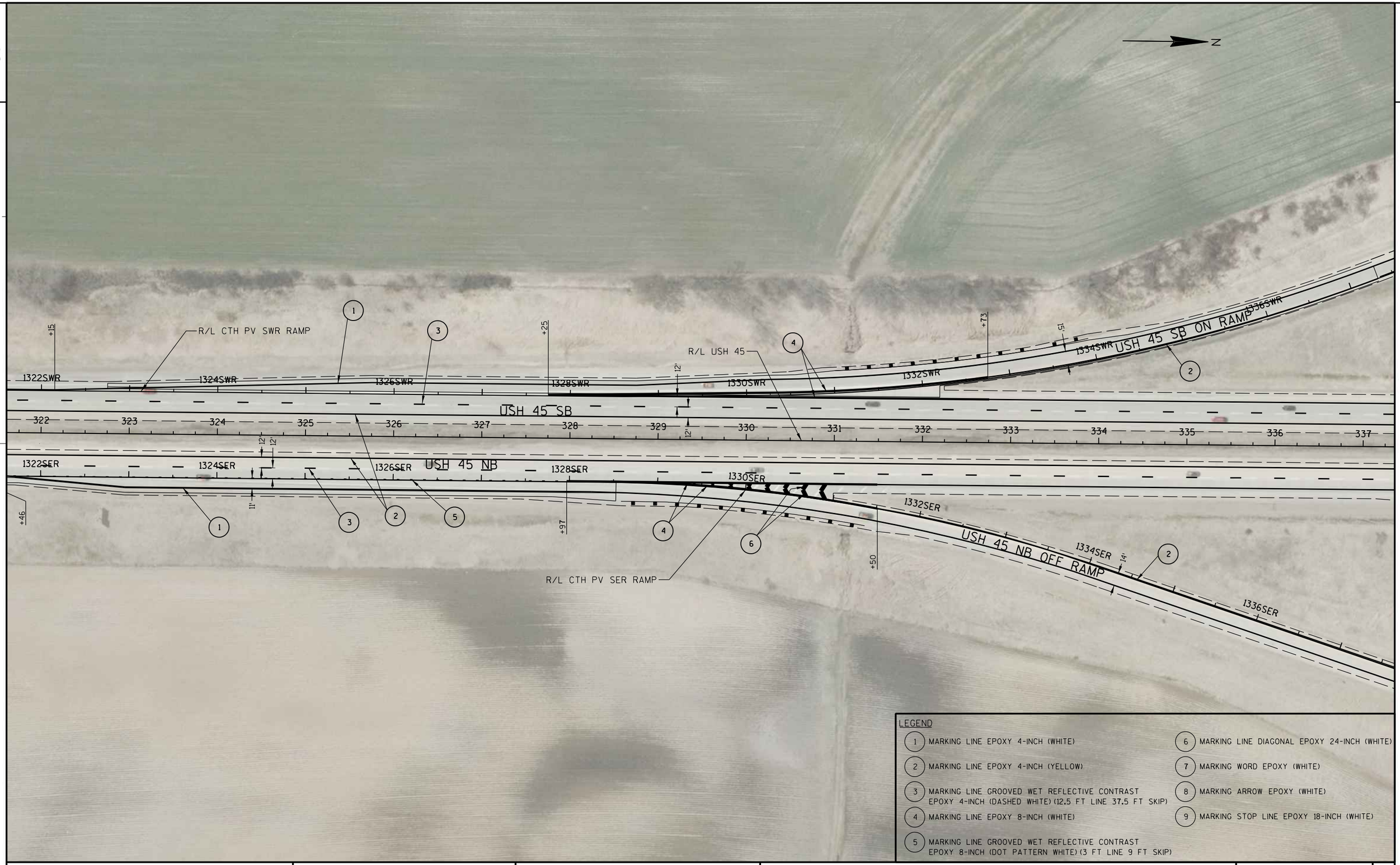
1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024511_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

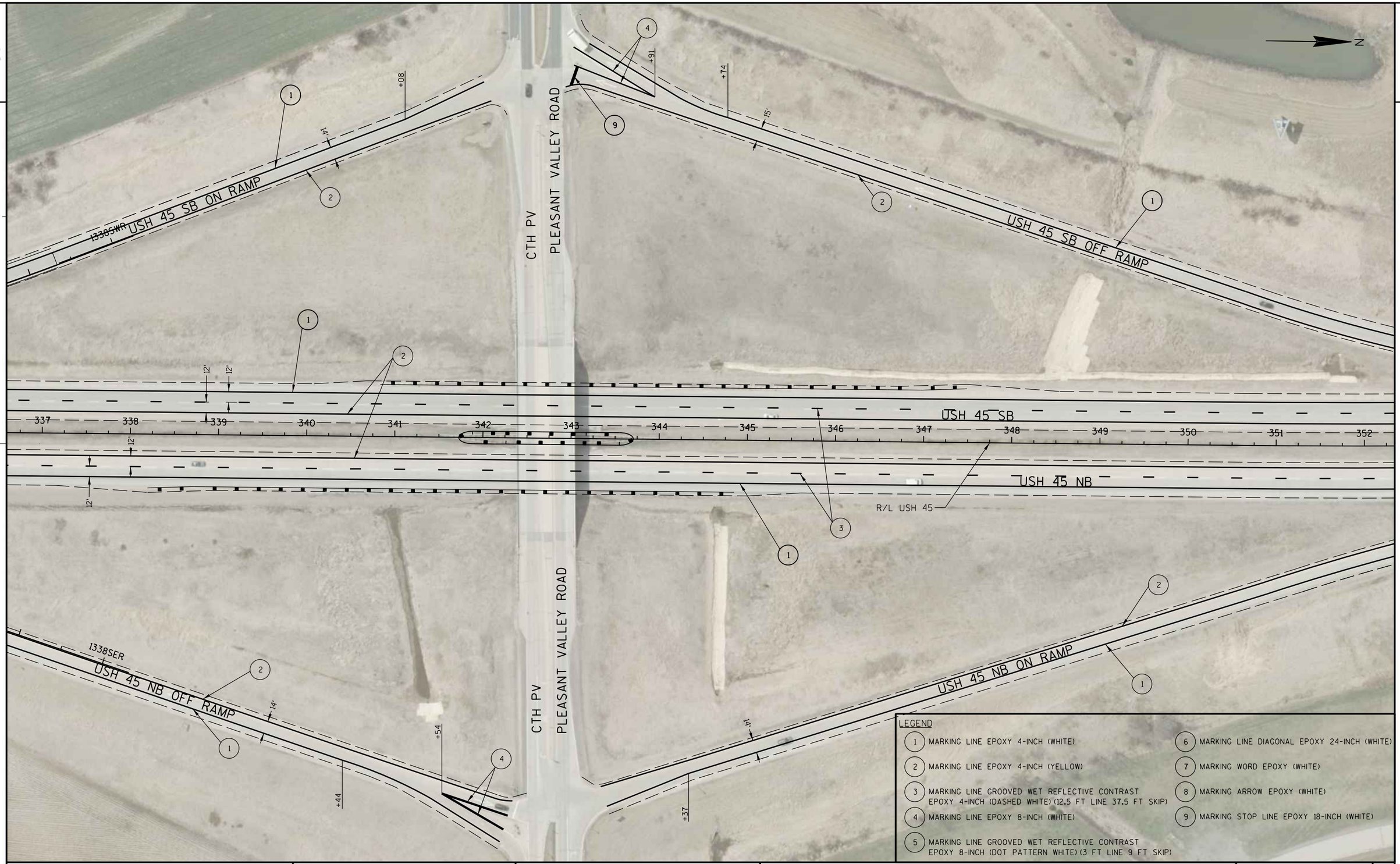


LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

2



LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

NOTES:

1) PAVEMENT MARKING CONTINUES AS SHOWN TO NEXT INTERCHANGE SEE STANDARD DETAIL DRAWINGS.

N

USH 45 SB OFF RAMP

USH 45 NB ON RAMP

R/L USH 45

USH 45 SB

USH 45 NB

352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367

+96 +57 +82 +32 +72

14' 12' 12' 10' 12' 12'

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024515_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2



LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

PRE_147

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024519_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

N

CONCRETE PAVEMENT REPAIR AND REPLACEMENT ONLY

USH 45 SB ON RAMP

USH 45 SB

USH 45 NB

USH 45 NB OFF RAMP

R/L USH 45

487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502

+60 +09 +33 +54 +96 +44 +34

14' 12' 12' 12' 12' 14'

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024520_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_148

WISDOT/CADDS SHEET 42

2

USH 45 SB OFF RAMP

USH 45 SB ON RAMP

PARADISE DRIVE

B-66-55
NO WORK

B-66-56
NO WORK

B-66-55

B-66-56

USH 45 SB

USH 45 NB

R/L USH 45

USH 45 NB ON RAMP

USH 45 NB OFF RAMP

N

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024521_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

NOTES:

1) PAVEMENT MARKING CONTINUES AS SHOWN TO NEXT INTERCHANGE SEE STANDARD DETAIL DRAWINGS.

N

USH 45 SB OFF RAMP

USH 45 SB

USH 45 NB

USH 45 NB ON RAMP

R/L USH 45

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)(3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

PRE_150

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024522_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2

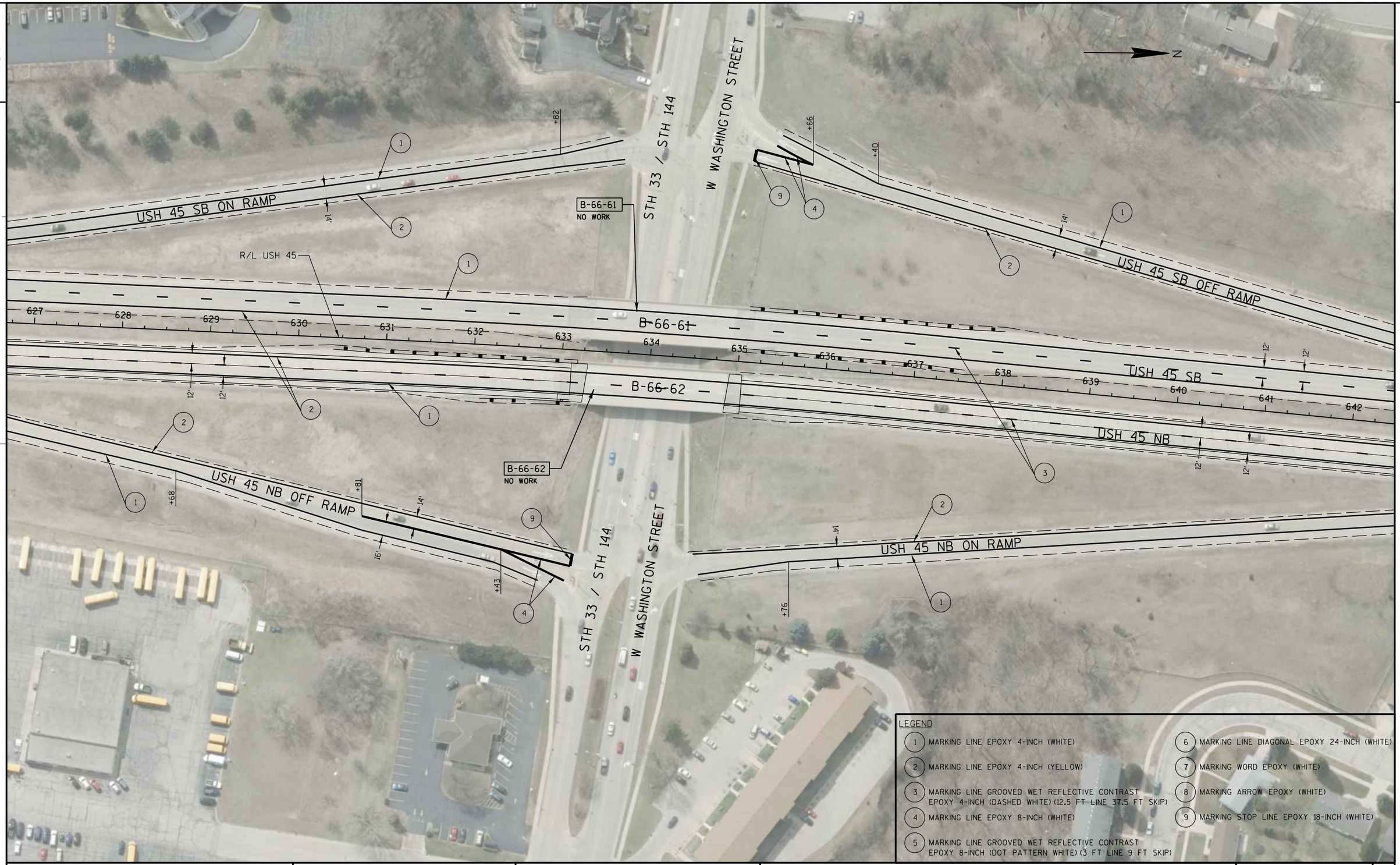


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

PRE_151

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024525_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

2



LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

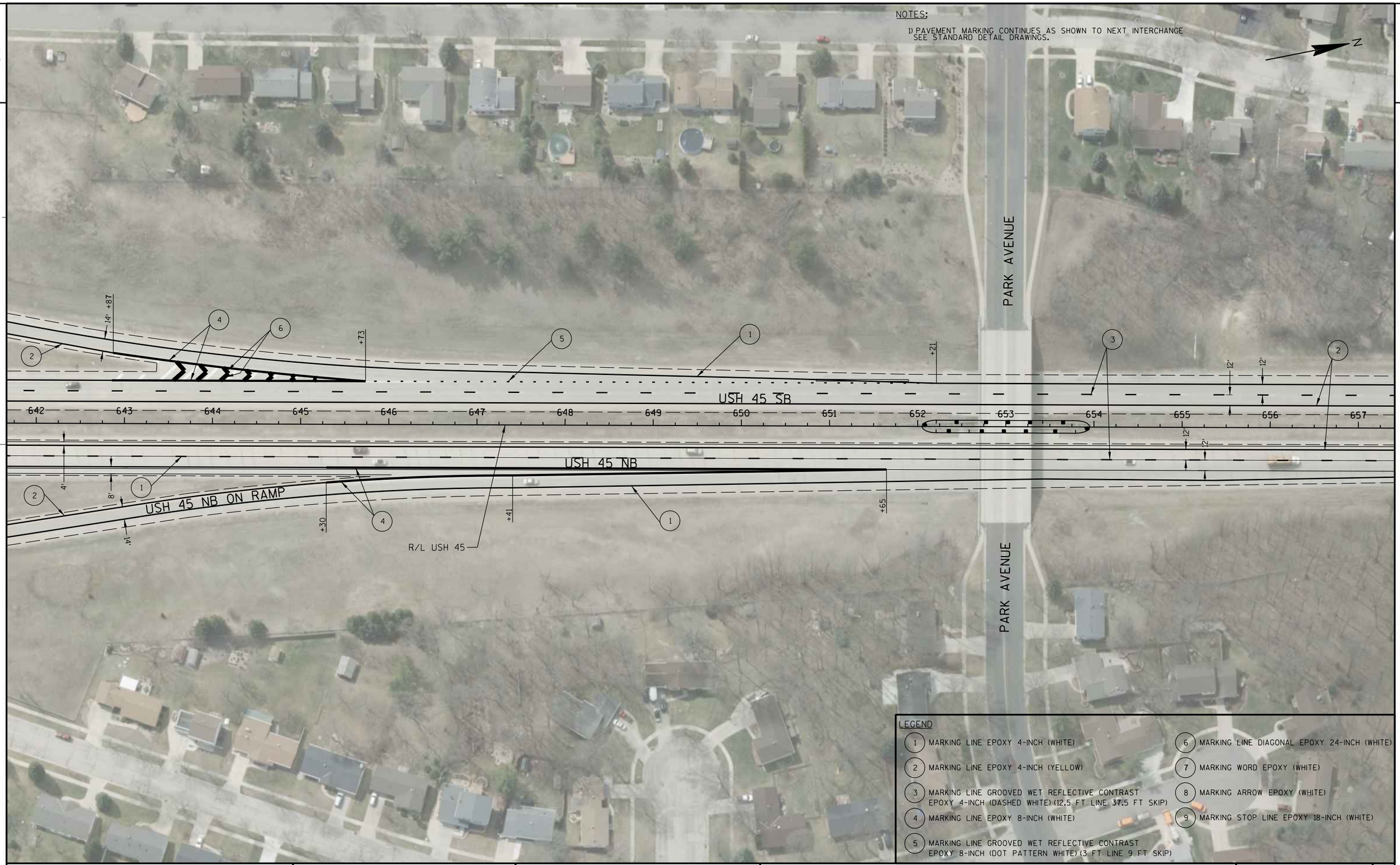
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

PRE_152

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024526_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

NOTES:

1) PAVEMENT MARKING CONTINUES AS SHOWN TO NEXT INTERCHANGE SEE STANDARD DETAIL DRAWINGS.



LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

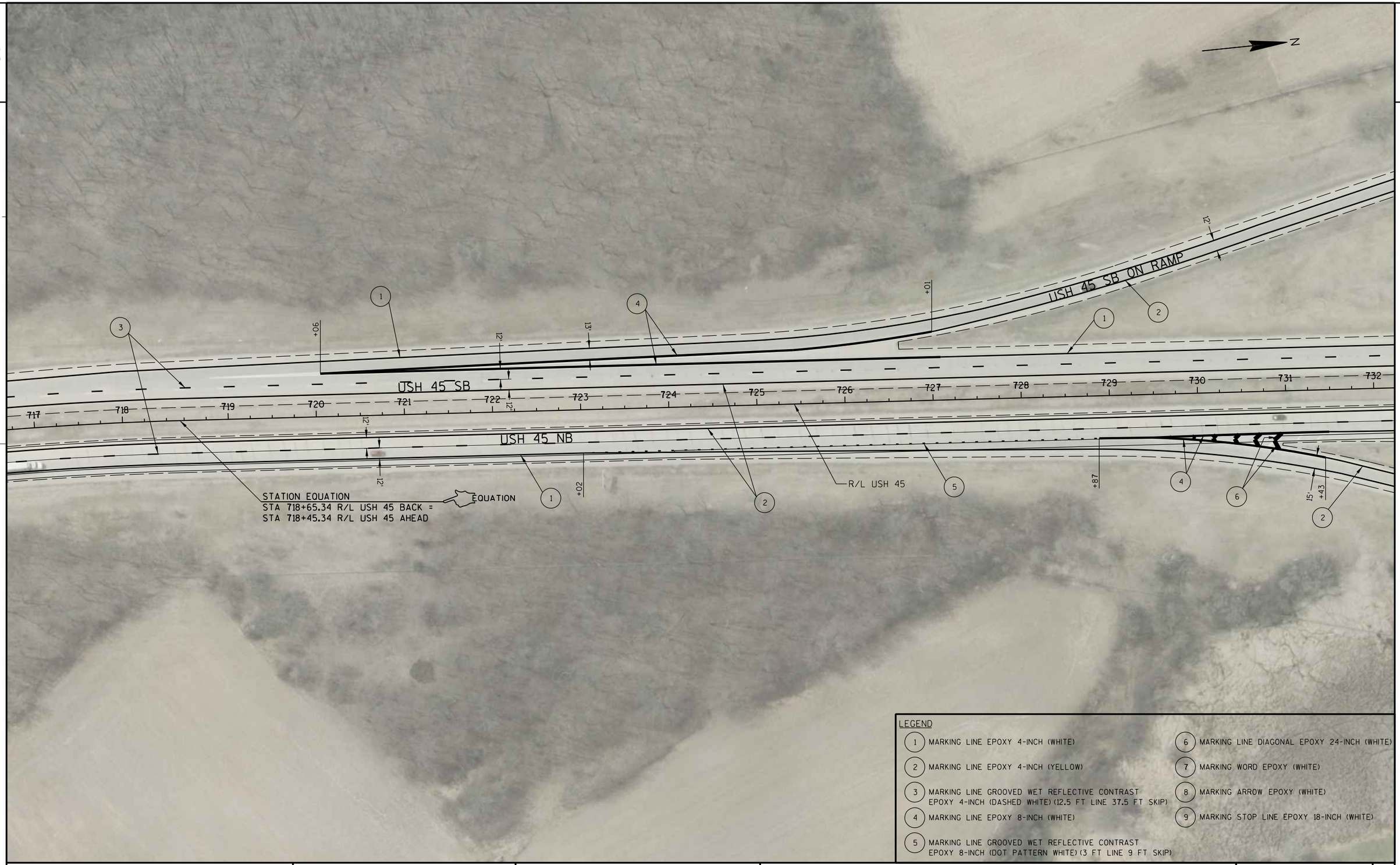
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

PRE_153

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024527_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2



LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)(3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024529_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

N

USH 45 SB OFF RAMP

USH 45 SB ON RAMP

USH 45 NB OFF RAMP

USH 45 NB ON RAMP

USH 45 SB

USH 45 NB

COUNTY ROAD HWY D

B-66-67

NO WORK

B-66-66

NO WORK

R/L USH 45

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024530_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

PRE_155

WISDOT/CADDS SHEET 42

NOTES:

1) PAVEMENT MARKING CONTINUES AS SHOWN TO NEXT INTERCHANGE SEE STANDARD DETAIL DRAWINGS.

N

USH 45 SB OFF RAMP

USH 45 SB

USH 45 NB

R/L USH 45

USH 45 NB ON RAMP

747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762

+48 +14 +31 +66

12' 12' 12' 14' 14'

LEGEND

1. MARKING LINE EPOXY 4-INCH (WHITE)
2. MARKING LINE EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH (DASHED WHITE)(12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)(3 FT LINE 9 FT SKIP)
6. MARKING LINE DIAGONAL EPOXY 24-INCH (WHITE)
7. MARKING WORD EPOXY (WHITE)
8. MARKING ARROW EPOXY (WHITE)
9. MARKING STOP LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PAVEMENT MARKING	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\024531_PM.dgn PLOT DATE : 9/3/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

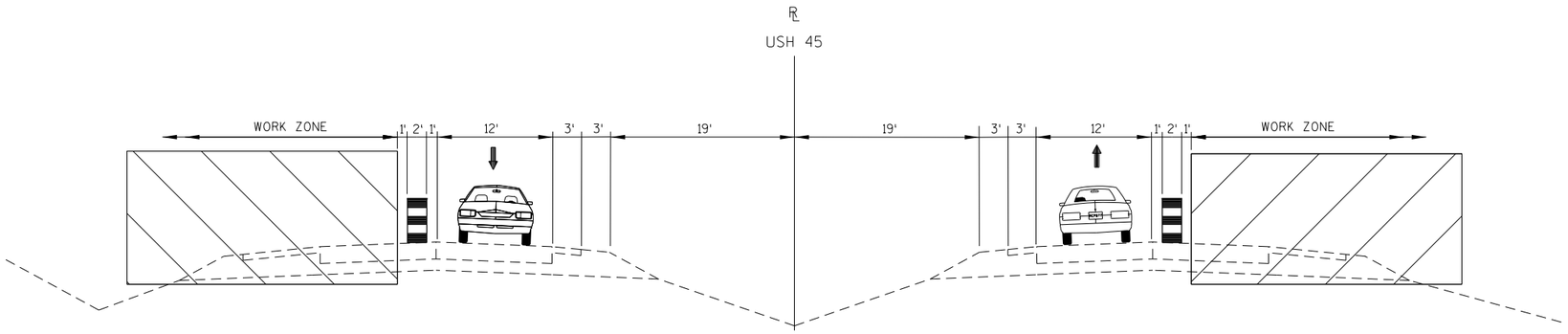
2

2

STAGE 1 - USH 45

TRAFFIC - OUSIDE LANES OF USH 45 NB AND SB CLOSED
- TRAFFIC ON INSIDE LANES OF USH 45 NB AND SB

CONSTRUCTION - DIAMOND GRIND OUTSIDE 8'OF CONCRETE PAVEMENT
- REMOVE EXISTING OUTSIDE ASPHALT SHOULDER
- CONSTRUCT HMA SHOULDER

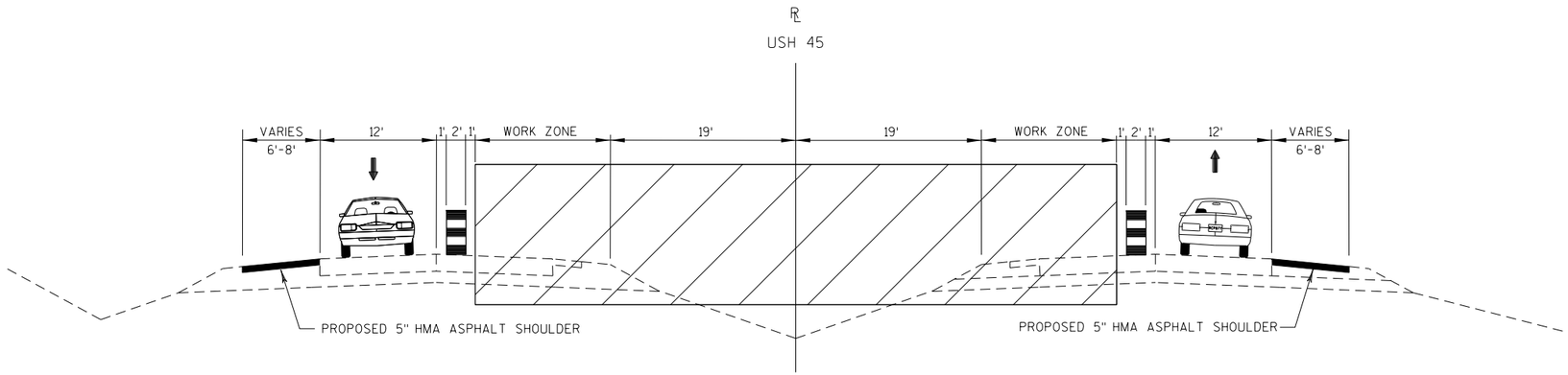


STAGE 1 - USH 45 MAINLINE
SHORT-TERM NON-PEAK OUTSIDE LANE CLOSURE

STAGE 2 - USH 45

TRAFFIC - INSIDE LANES OF USH 45 NB AND SB CLOSED
- TRAFFIC ON OUTSIDE LANES OF USH 45 NB AND SB

CONSTRUCTION - DIAMOND GRIND INSIDE 8'OF CONCRETE PAVEMENT
- REMOVE EXISTING INSIDE ASPHALT SHOULDER
- CONSTRUCT HMA SHOULDER



STAGE 2 - USH 45 MAINLINE
SHORT-TERM NON-PEAK INSIDE LANE CLOSURE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - USH 45 STAGE 1 & 2	SHEET E

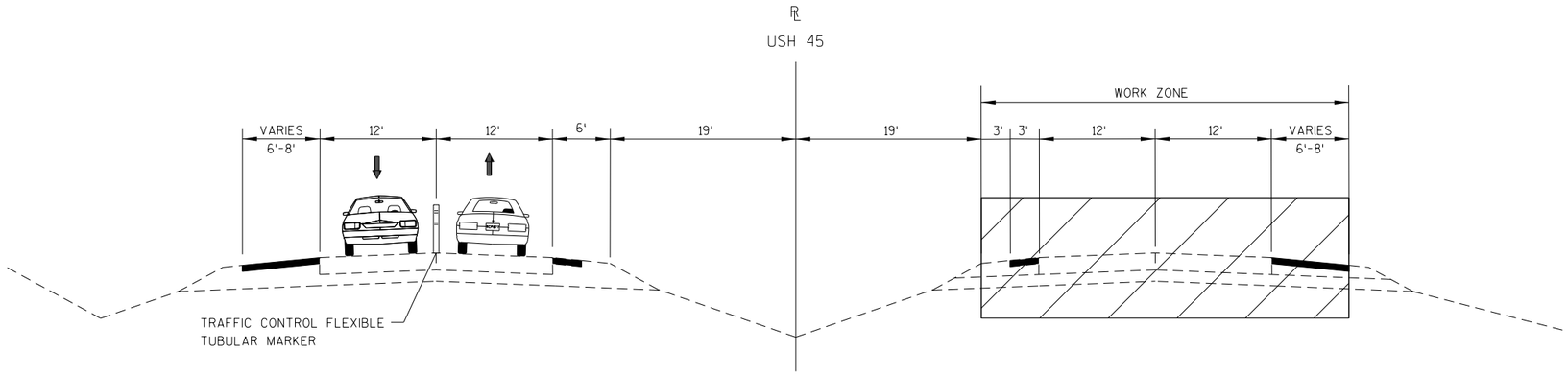
FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\025001_tc.dgn PLOT DATE : 8/29/2019 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 15.0000 sf / in.
WISDOT/CADDS SHEET 42

2

STAGE 3 - USH 45

TRAFFIC
- USH 45 NB CLOSED
- ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE USH 45 SB LANES

CONSTRUCTION
- REPLACE PAVEMENT ON USH 45 NB LANES
- CONSTRUCT HMA SHOULDER ON USH 45 NB



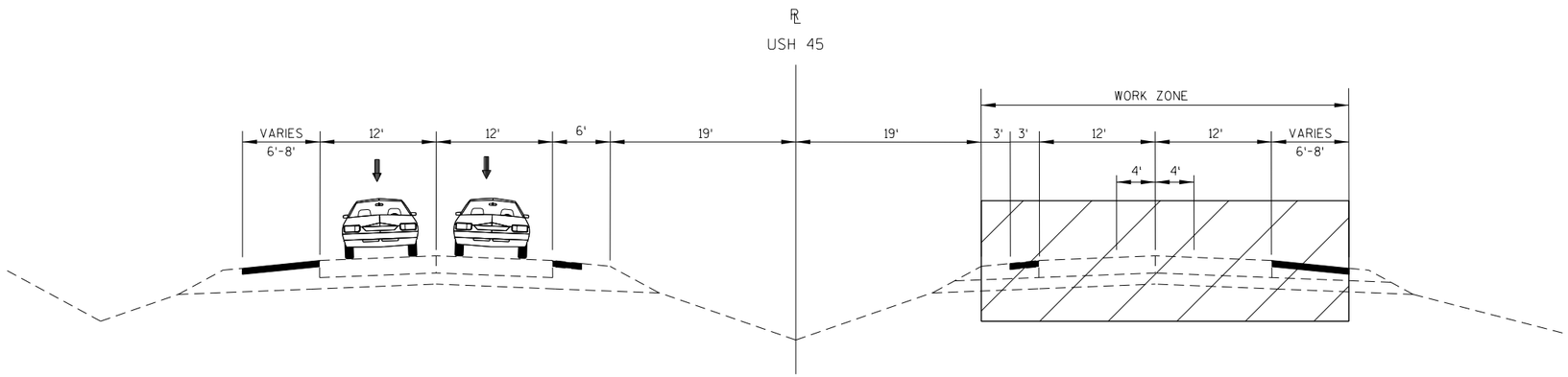
STAG 3 - USH 45 MAINLINE
FULL CLOSURE NORTHBOUND

STA. 492+50 - 759+00

STAGE 3 - USH 45

TRAFFIC
- FULL FREEWAY CLOSURE DURING NIGHTTIME WORK ONLY ALLOWED IN ONE DIRECTION AT A TIME

CONSTRUCTION
- DIAMOND GRIND 4'OF CONCRETE PAVEMENT ON EACH SIDE OF CROWN LINE
- BASE PATCHING



STAGE 3 - USH 45 MAINLINE
NIGHTTIME FULL CLOSURE

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - USH 45 STAGE 3	SHEET E

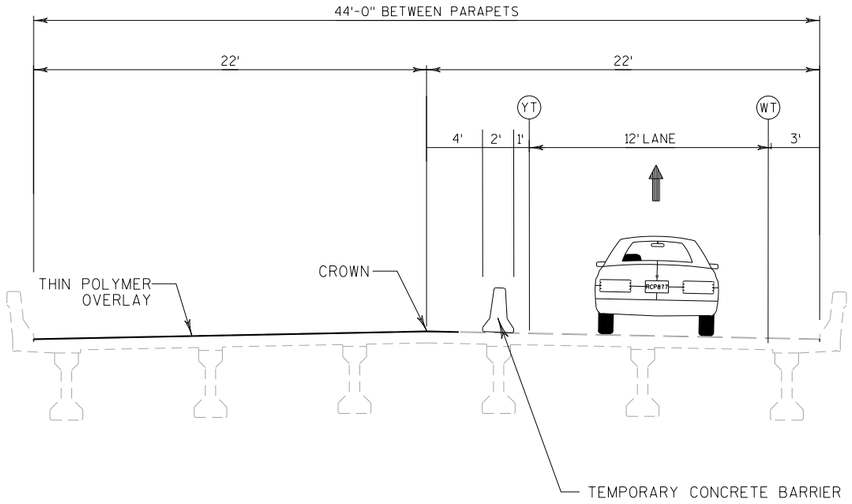
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WISDOT/CADDS SHEET 42

2

STAGE 2A (B-66-48)

TRAFFIC - INSIDE LANE OF BRIDGE CLOSED
- TRAFFIC ON OUTSIDE LANE AND ON NEW SHOULDER.

CONSTRUCTION - THIN POLYMER OVERLAY ON LEFT SIDE OF BRIDGE

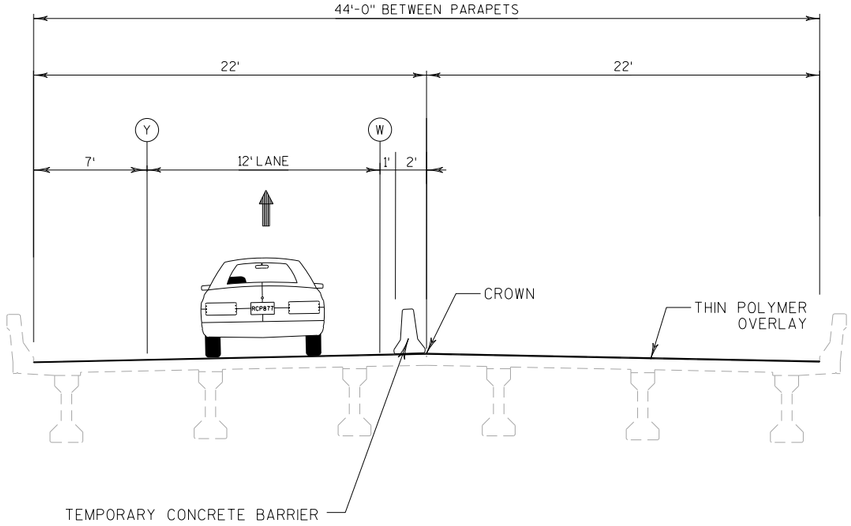


STAGE 2A - CROSS SECTION THRU
B-66-48 ON NB USH 45
(LOOKING NORTH)

STAGE 2B (B-66-48)

TRAFFIC - OUTSIDE LANE OF BRIDGE CLOSED
- TRAFFIC ON INSIDE LANE AND ON NEW SHOULDER.

CONSTRUCTION - THIN POLYMER OVERLAY ON RIGHT SIDE OF BRIDGE



STAGE 2B - CROSS SECTION THRU
B-66-48 ON NB USH 45
(LOOKING NORTH)

LEGEND

- (W) WHITE PAINT 4-INCH
- (WT) WHITE TAPE 4-INCH
- (Y) YELLOW PAINT 4-INCH
- (YT) YELLOW TAPE 4-INCH
- DIRECTION OF TRAFFIC

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 2A & 2B AT SHERMAN ROAD	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\025001_tc.dgn PLOT DATE : 8/29/2019 PLOT BY : GRAEF PLOT NAME : PLOT SCALE : 15.0000 sf / in.
WISDOT/CADDS SHEET 42

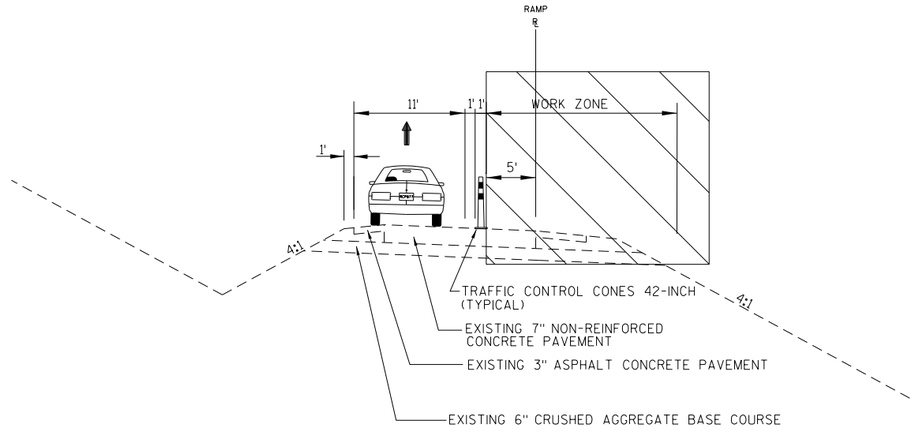
2

2

STAGE 2A (CTH PV RAMPS)

TRAFFIC
- RIGHT SIDE OF CTH PV RAMPS CLOSED
- TRAFFIC ON LEFT SIDE OF RAMP AND ON EXISTING PAVED SHOULDER.

CONSTRUCTION
- BASE PATCHING RIGHT SIDE OF OFF-RAMP
- DIAMOND GRIND RIGHT SIDE OF OFF-RAMP
- CONSTRUCT 8' WIDE ASPHALT SHOULDER

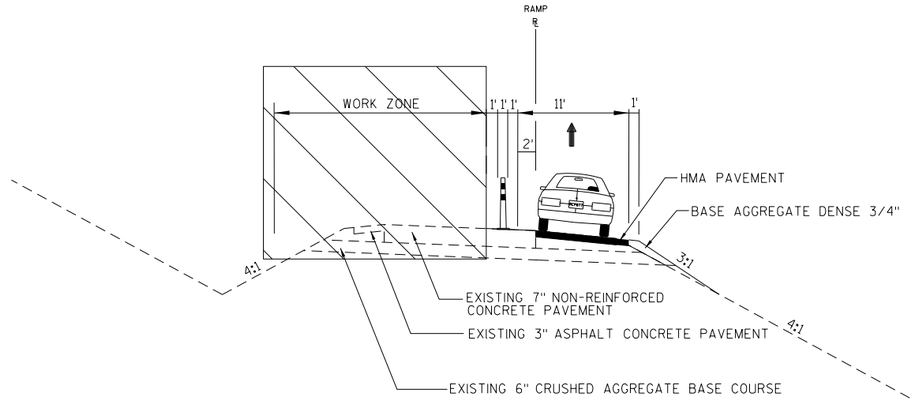


STAGE 2A - PLEASANT VALLEY ROAD
NB AND SB OFF-RAMP

STAGE 2B (CTH PV RAMPS)

TRAFFIC
- LEFT SIDE OF CTH PV RAMPS CLOSED
- TRAFFIC ON RIGHT SIDE OF RAMP AND ON NEW PAVED SHOULDER.

CONSTRUCTION
- BASE PATCHING LEFT SIDE OF OFF-RAMP
- DIAMOND GRIND LEFT SIDE OF OFF-RAMP
- CONSTRUCT 3' WIDE ASPHALT SHOULDER



STAGE 2B - PLEASANT VALLEY ROAD
NB AND SB OFF-RAMP

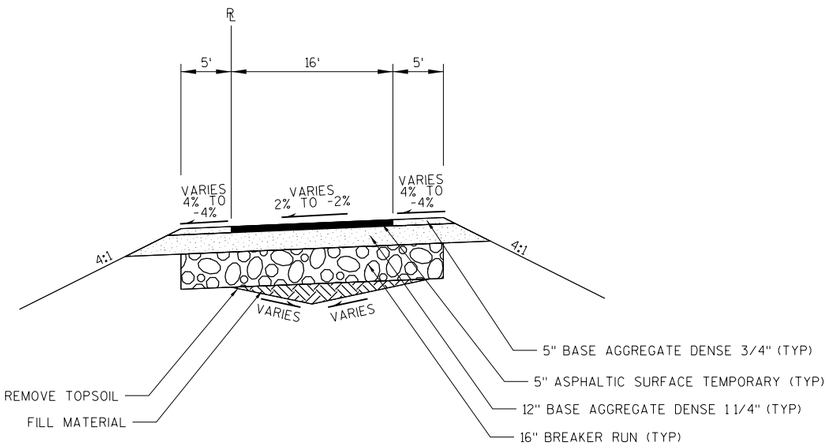
LEGEND

- (W) WHITE PAINT 4-INCH
- (WT) WHITE TAPE 4-INCH
- (Y) YELLOW PAINT 4-INCH
- (YT) YELLOW TAPE 4-INCH
- DIRECTION OF TRAFFIC

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL	SHEET E

PRE_160

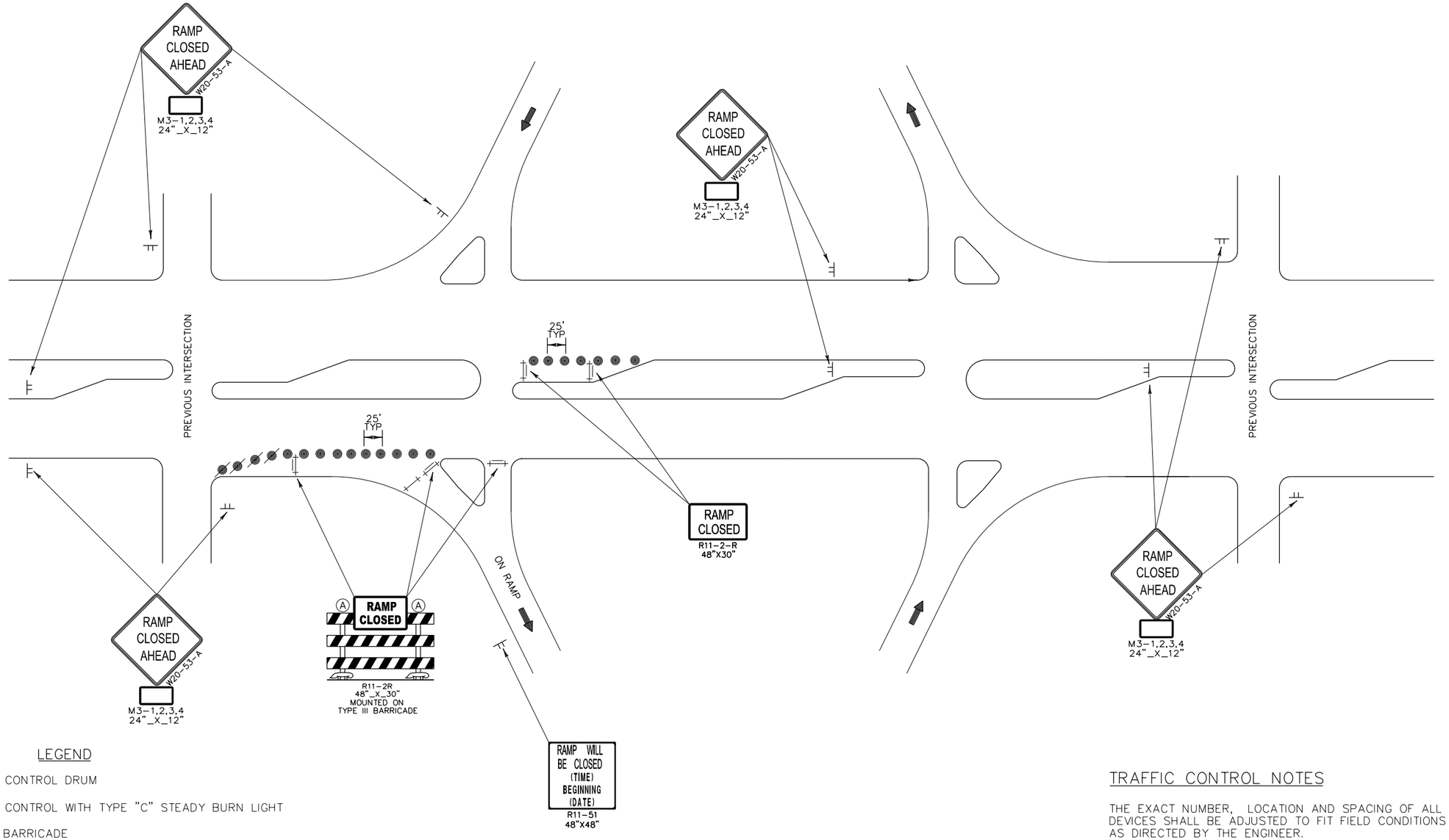
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WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION - TEMPORARY CROSSOVERS

STA 73+50SC - STA 88+51.60SC
STA 59+00NC - STA 73+01.34NC

2



NORTH
M3-1
24"_X_12"

EAST
M3-2
24"_X_12"

SOUTH
M3-3
24"_X_12"

WEST
M3-4
24"_X_12"

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.

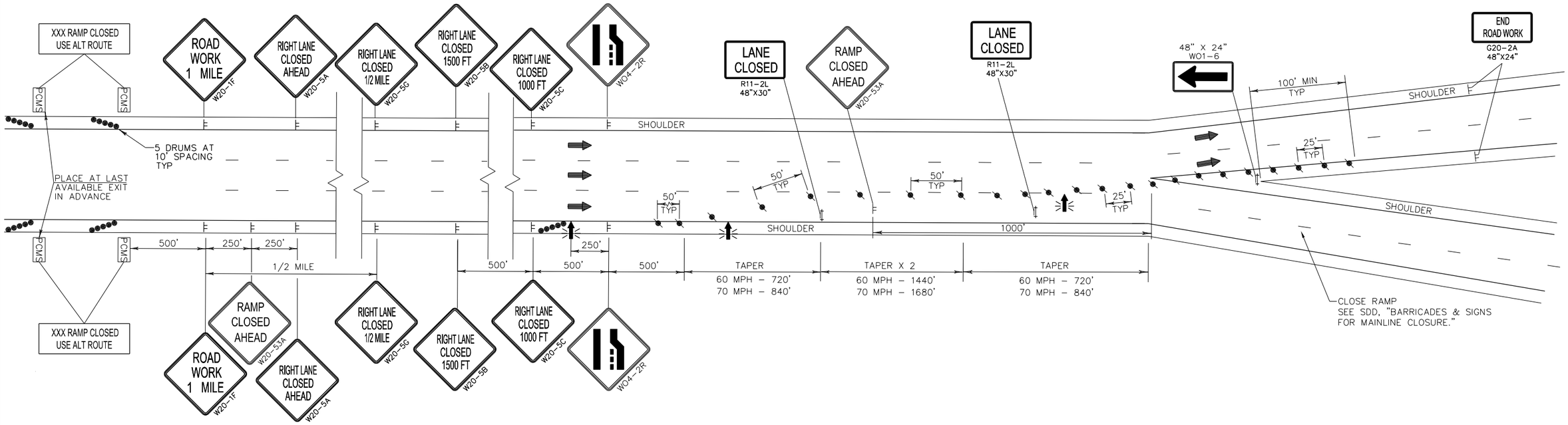
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"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

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) 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.

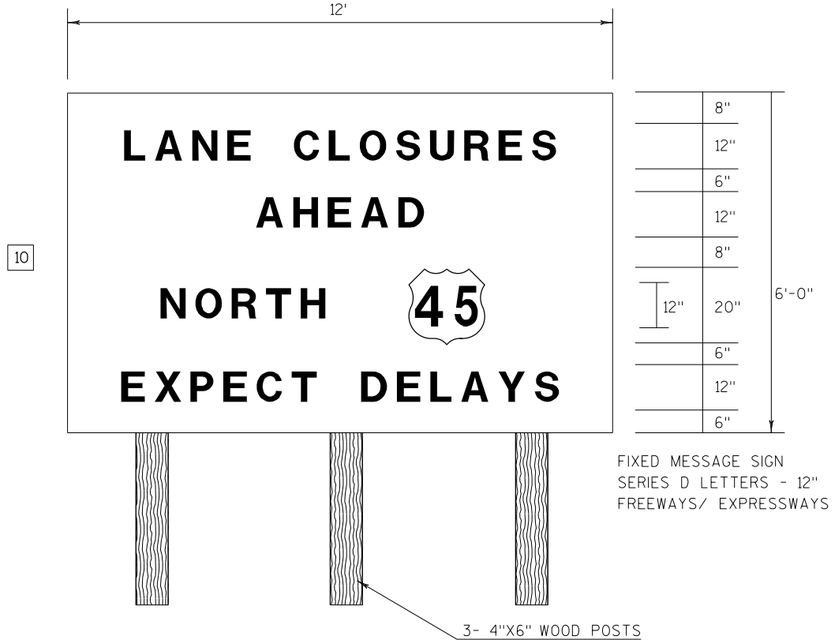
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

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.

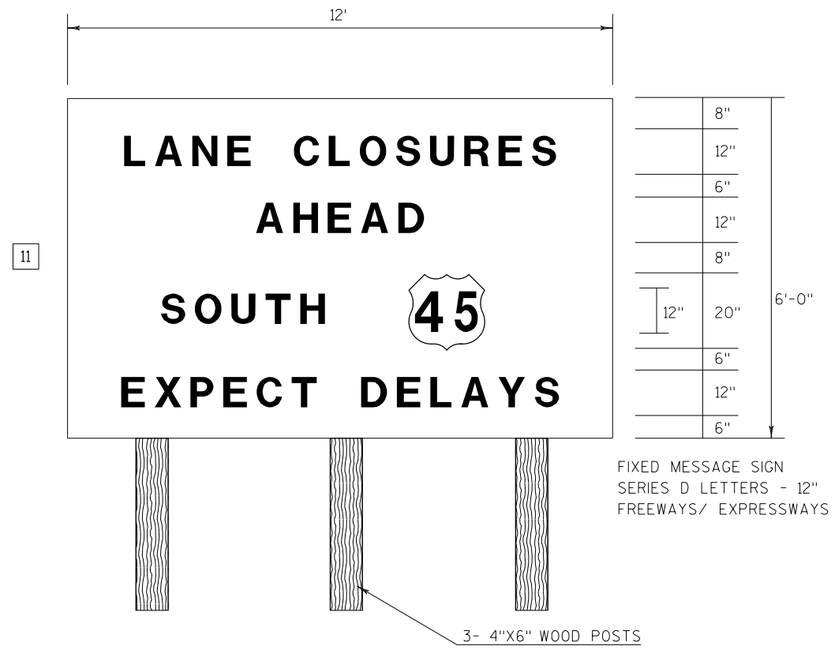
ADD FREEWAY SHIELD AND DIRECTION IF APPLICABLE
COVER EXISTING RAMP AND LANE SIGNS IF APPLICABLE

TYPICAL SYSTEM RAMP CLOSURE



10

FIXED MESSAGE SIGN
SERIES D LETTERS - 12"
FREEWAYS/ EXPRESSWAYS



11

FIXED MESSAGE SIGN
SERIES D LETTERS - 12"
FREEWAYS/ EXPRESSWAYS

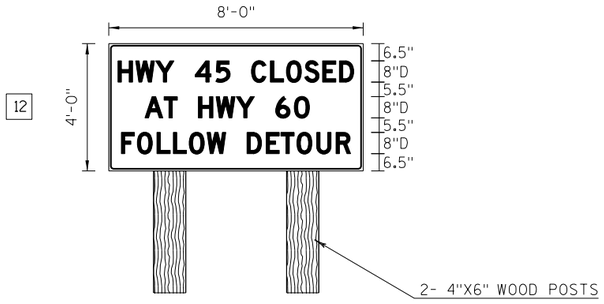
FIXED MESSAGE SIGNS (DETAILS SHEETS)

GENERAL NOTES:

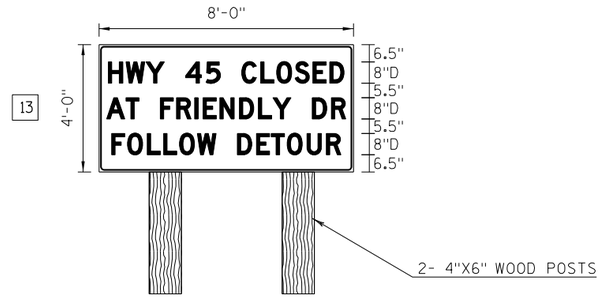
1. ALL SIGNS TO HAVE STANDARD REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE ENGINEER SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.
4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER SPEC 643.2.9.3.
6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D"
   6" CAPS SHALL BE SERIES "C"
7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
8. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2.
9. SIGNS TO BE IN PLACE 7 DAYS PRIOR TO CONSTRUCTION.

[X] = SIGN NUMBER

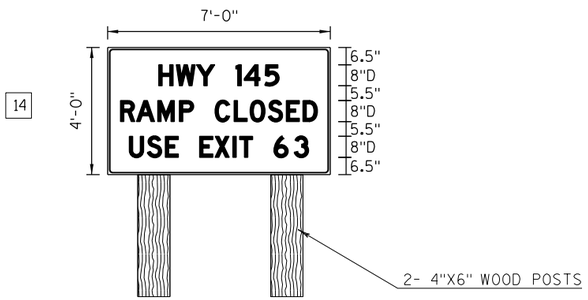
12



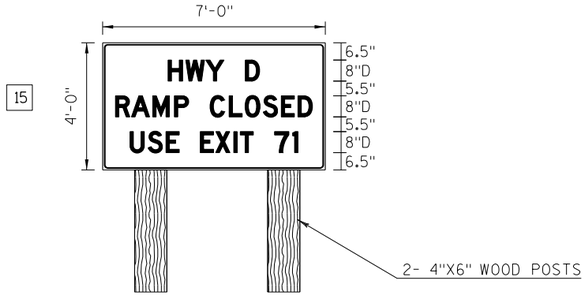
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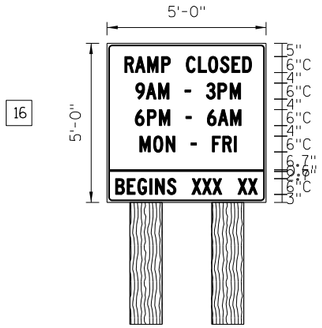
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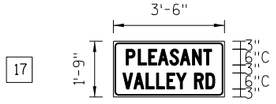
15



16



17



18



GENERAL NOTES:

1. ALL SIGNS TO HAVE STANDARD REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE ENGINEER SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.
4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER SPEC 643.2.9.3.
6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   8" CAPS SHALL BE SERIES "D"
   6" CAPS SHALL BE SERIES "C"
7. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THEIR EFFECTIVE DATE. THE MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.
9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2.
10. RAMP CLOSED SIGNS TO BE IN PLACE 7 DAYS PRIOR TO CLOSURE.

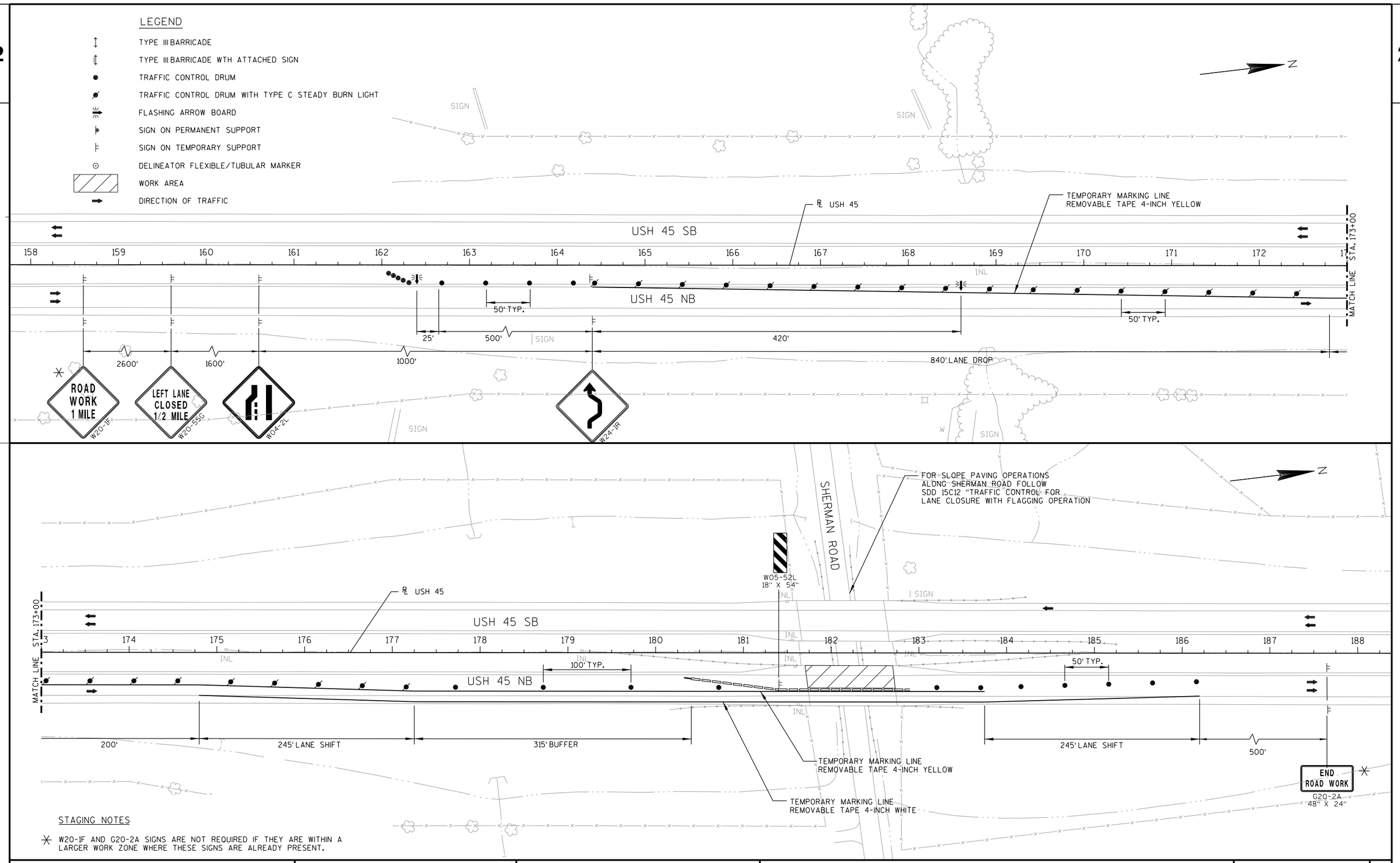
[X] = SIGN NUMBER

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC



STAGING NOTES

✳ W20-1F AND G20-2A SIGNS ARE NOT REQUIRED IF THEY ARE WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

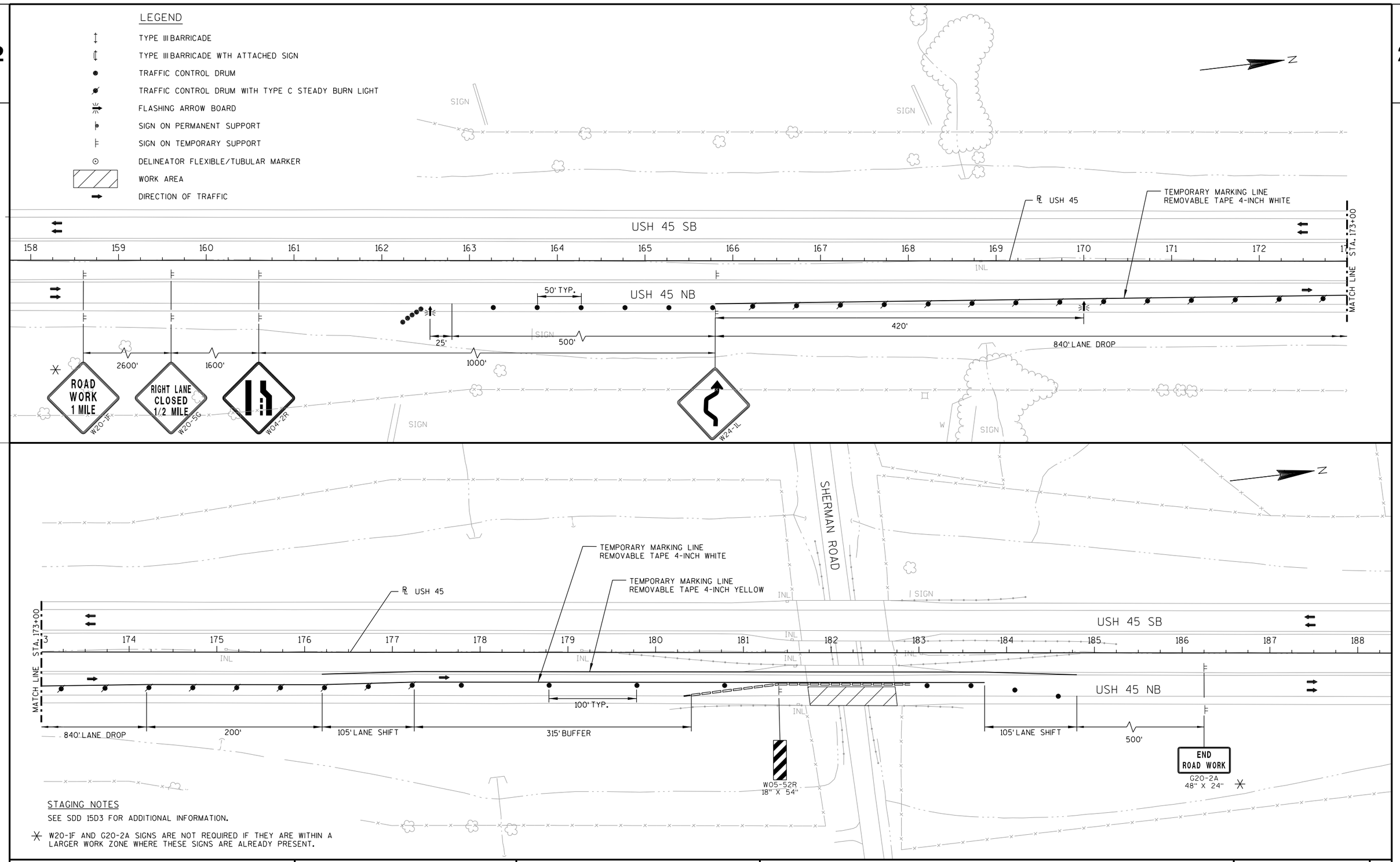
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 2A - SHERMAN ROAD	SHEET E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

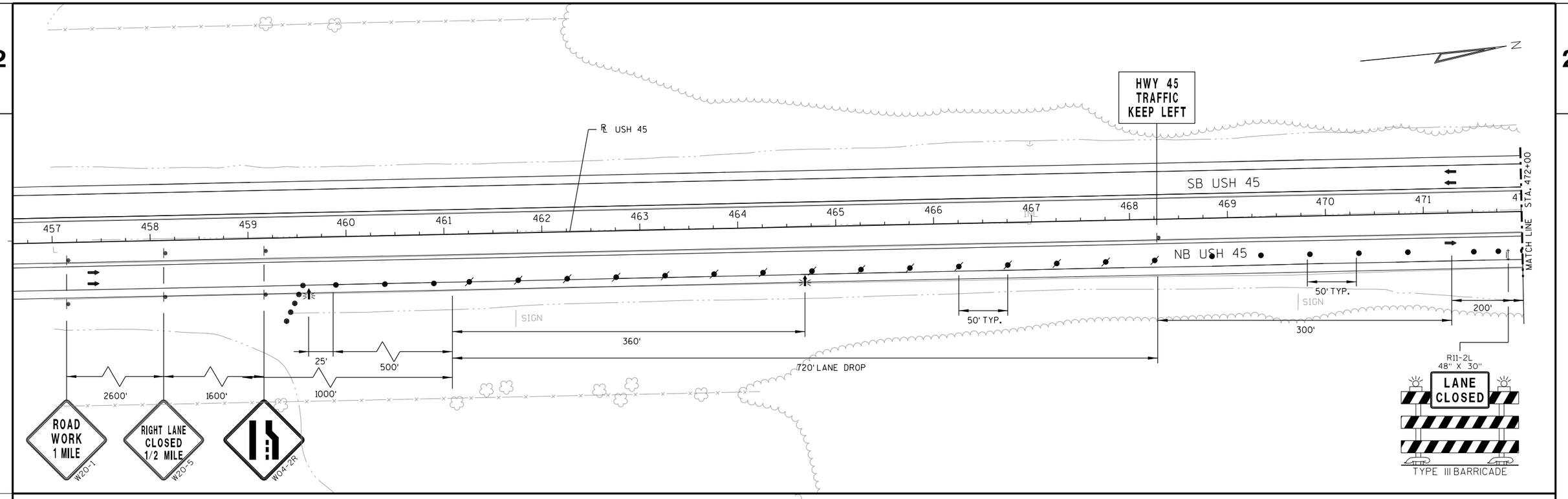


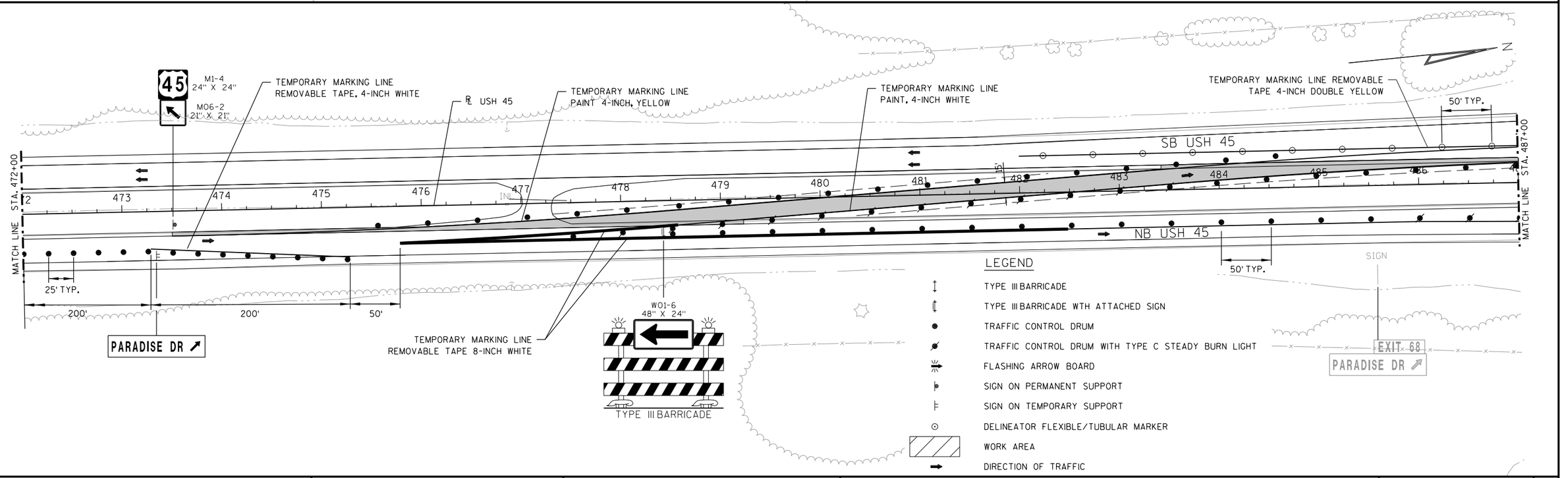
STAGING NOTES

SEE SDD 15D3 FOR ADDITIONAL INFORMATION.

✳ W20-1F AND G20-2A SIGNS ARE NOT REQUIRED IF THEY ARE WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 2B - SHERMAN ROAD	SHEET E





PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

N

SB USH 45 ON RAMP

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH DOUBLE YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

℄ USH 45

W06-1

50' TYP.

SB USH 45

NB USH 45

MATCH LINE STA. 487+00

MATCH LINE STA. 502+00

487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502

12' 12' 5'

INL

SIGN

MH

ANT.

W06-3

NEXT 5 MILES

W057-51 30" X 15"

R11-2 48" X 30"

ROAD CLOSED

TYPE III BARRICADE

EXIT 68

NB USH 45 OFF RAMP

U/C

W

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

PRE_169

2

N

SB USH 45 OFF RAMP

SB USH 45 ON RAMP

W PARADISE DR

RAMP CLOSED AHEAD
W20-53-A

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH WHITE

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH DOUBLE YELLOW

℄ USH 45

50' TYP.

12'

SB USH 45

NB USH 45

MATCH LINE STA. 502+00

MATCH LINE STA. 517+00

RAMP CLOSED
R11-2R
48" X 30"

RAMP CLOSED
R11-2R
48" X 30"

25' TYP.

NB USH 45 ON RAMP

NB USH 45 OFF RAMP

MATCH LINE A-A

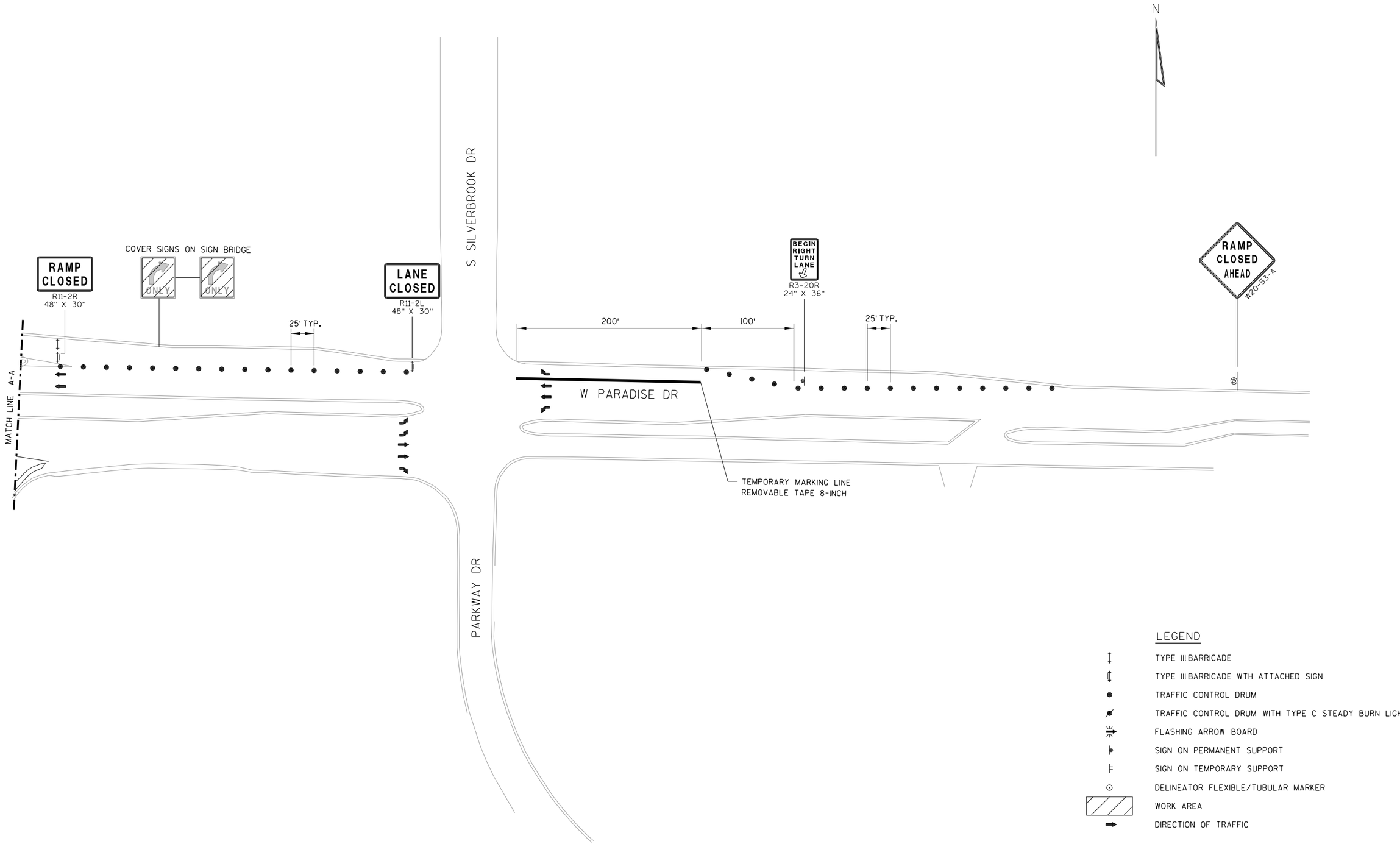
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\026223_S3.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

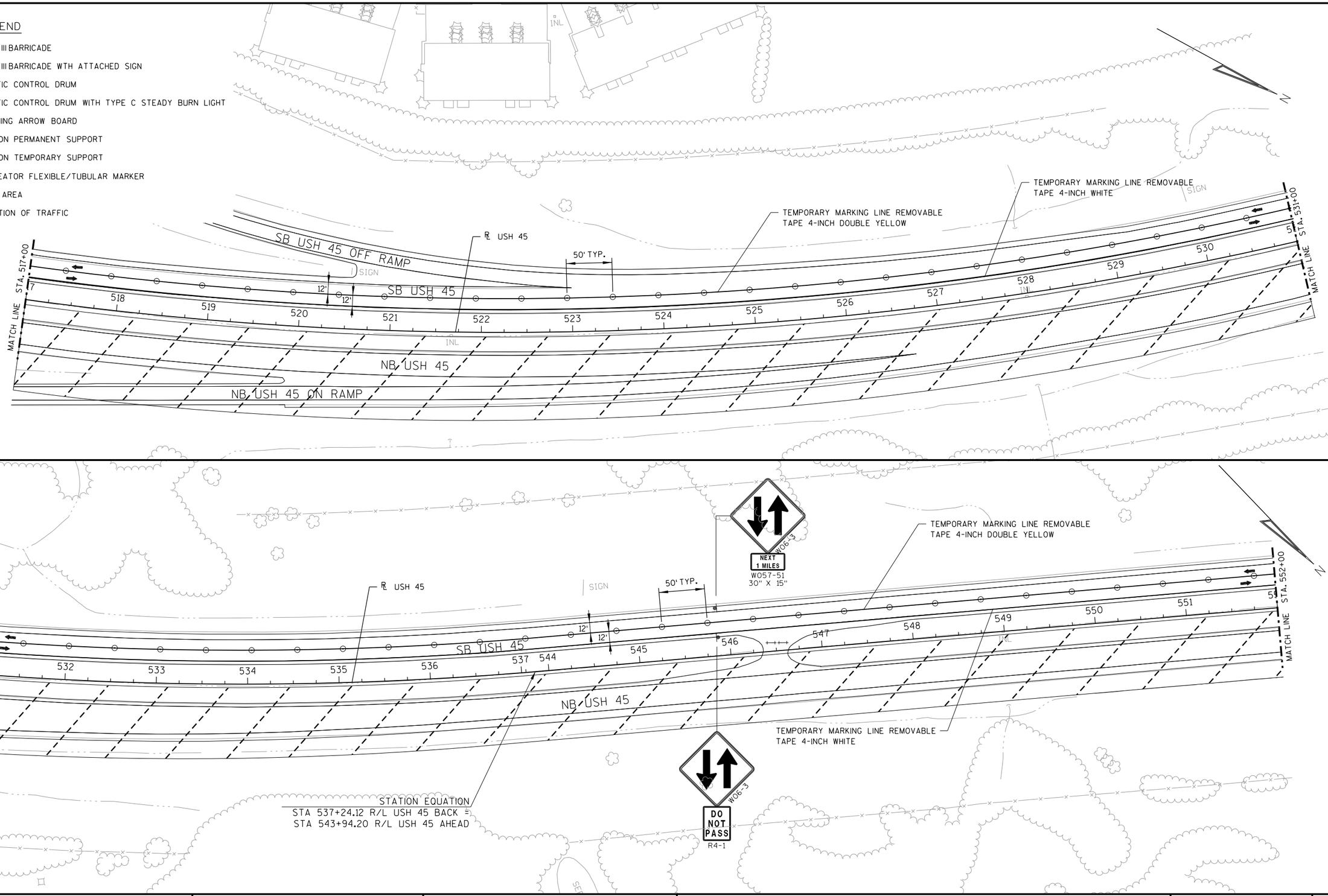


PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\026223a_S3.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

℄ USH 45

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH DOUBLE YELLOW

50' TYP.

SB USH 45

NB USH 45

12'

12'

STA. 552+00

MATCH LINE

STA. 567+00

MATCH LINE

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH WHITE

EXIT 71

33 144

WASHINGTON ST

CLOSED

G20-60
108" X 24"

S 18TH AVE

SIGN

INL

N

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH DOUBLE YELLOW

℄ USH 45

50' TYP.

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH WHITE

SB USH 45

NB USH 45

12'

12'

STA. 567+00

MATCH LINE

STA. 582+00

MATCH LINE

W. DECORAH RD

SIGN

INL

N

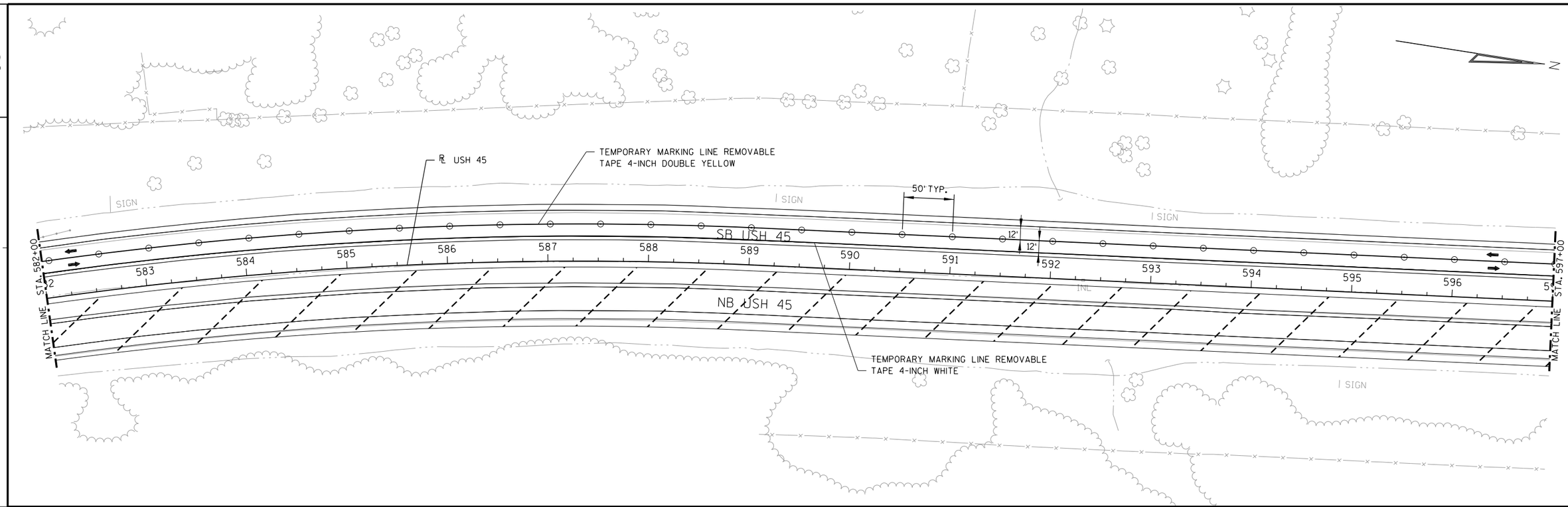
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

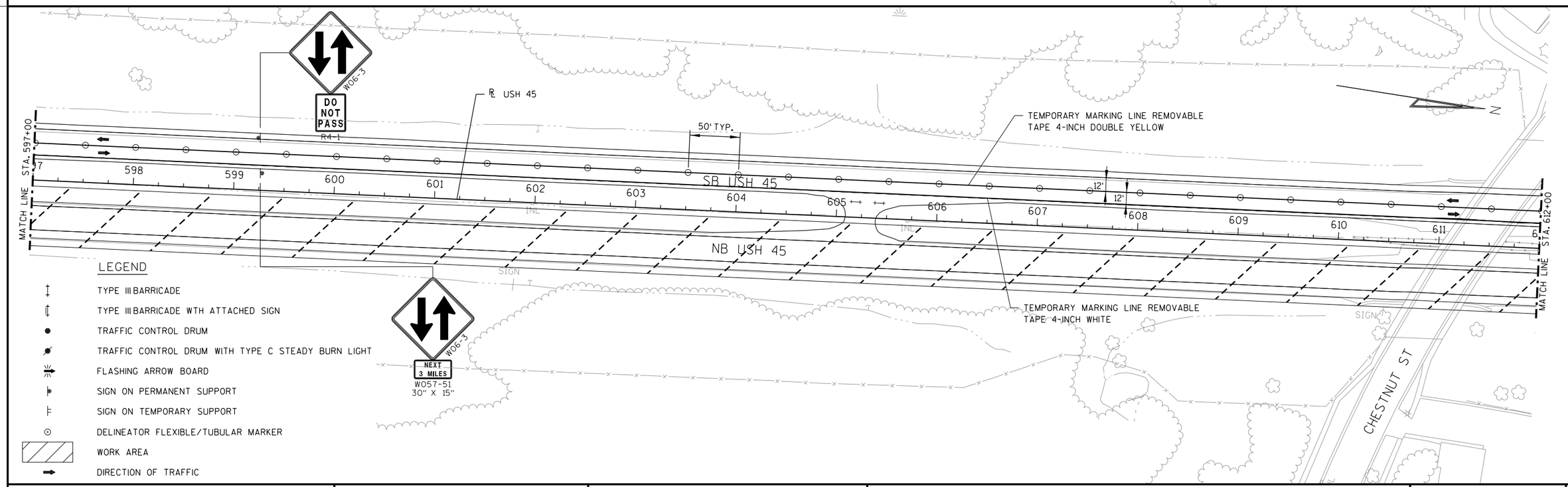
PRE_173

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WISDOT/CADDS SHEET 42

2

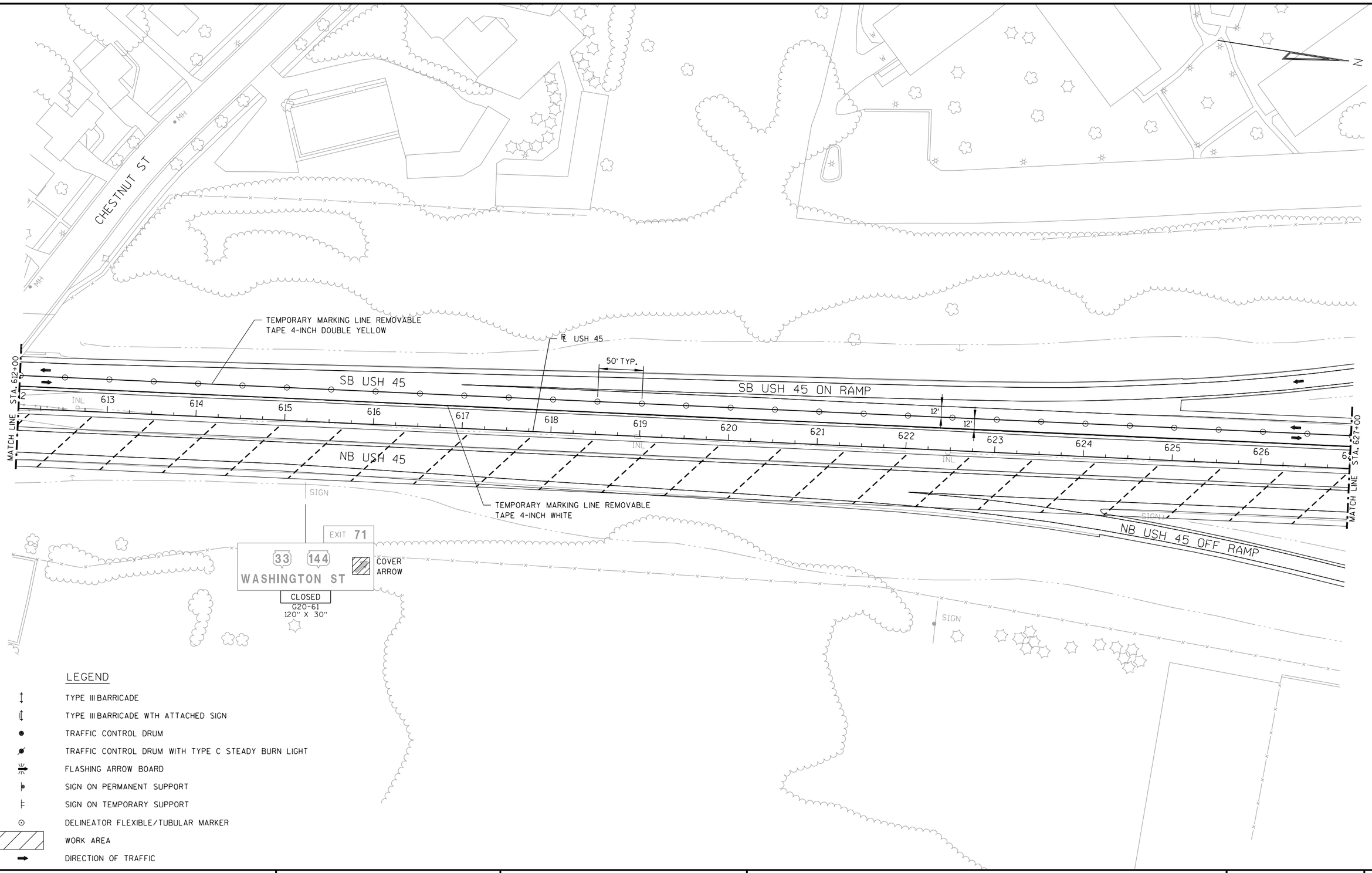




PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

PRE_174

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\026227_S3.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

RAMP CLOSED AHEAD
W20-53-A

SB USH 45 ON RAMP

RAMP CLOSED
R11-2R
48" X 30"

STH 33 (WASHINGTON ST)

SB USH 45 OFF RAMP

N

I SIGN

50' TYP.

MATCH LINE STA. 627+00

627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642

MATCH LINE STA. 642+00

RT USH 45

SB USH 45

NB USH 45

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH DOUBLE YELLOW

12' 12'

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH WHITE

25' TYP.

NB USH 45 OFF RAMP

SIGN

INL

MH

POOL

NB USH ON RAMP

RAMP CLOSED
R11-2R
48" X 30"

RAMP CLOSED
R11-2R
48" X 30"

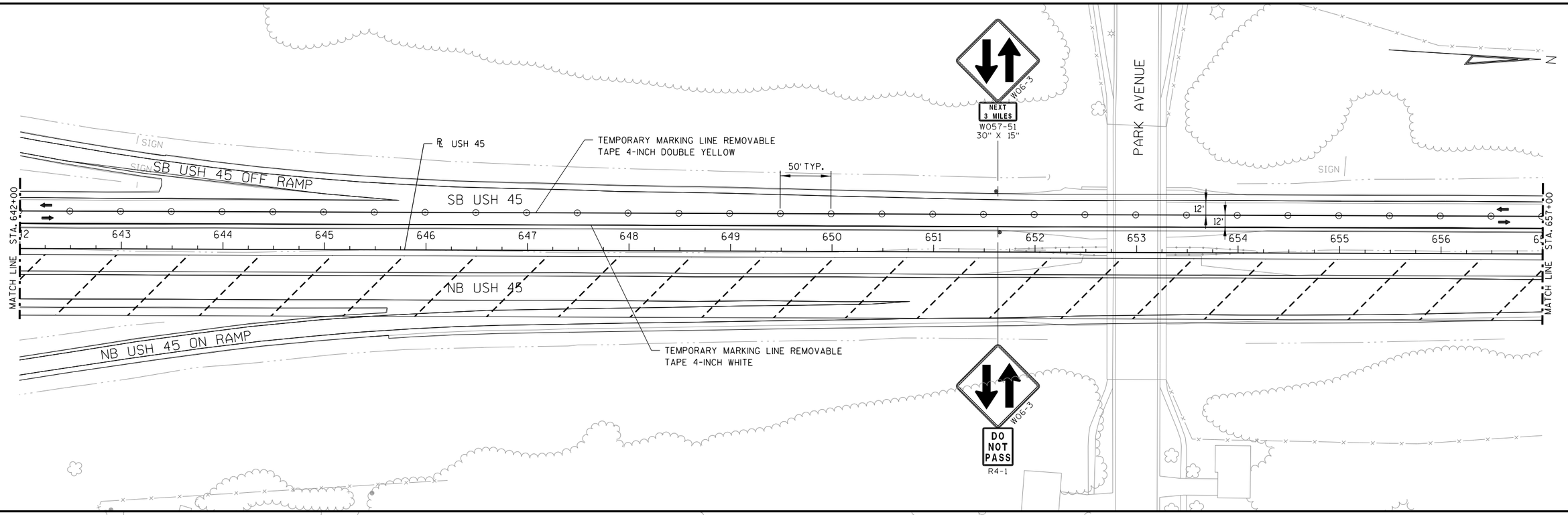
RAMP CLOSED AHEAD
W20-53-A

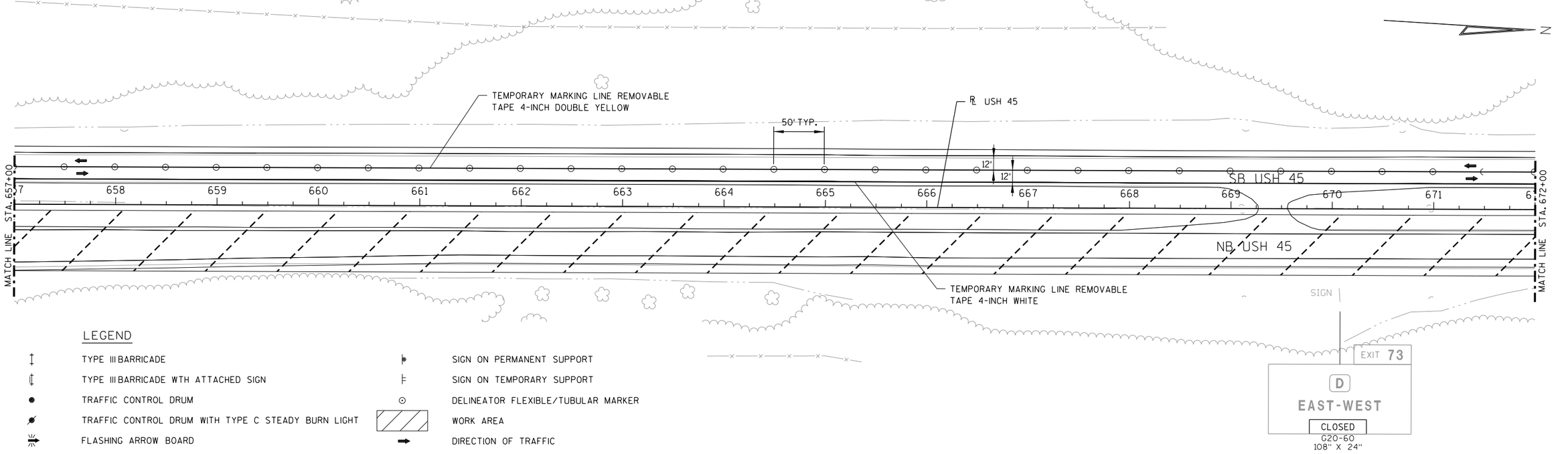
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

PRE_176





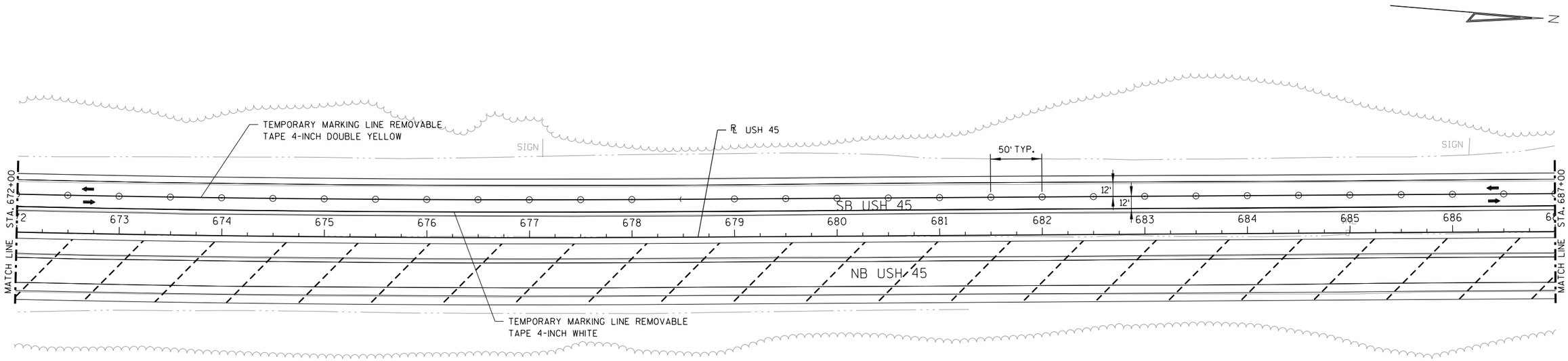
LEGEND

	TYPE III BARRICADE		SIGN ON PERMANENT SUPPORT
	TYPE III BARRICADE WTH ATTACHED SIGN		SIGN ON TEMPORARY SUPPORT
●	TRAFFIC CONTROL DRUM	⊙	DELINEATOR FLEXIBLE/TUBULAR MARKER
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		WORK AREA
	FLASHING ARROW BOARD		DIRECTION OF TRAFFIC

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

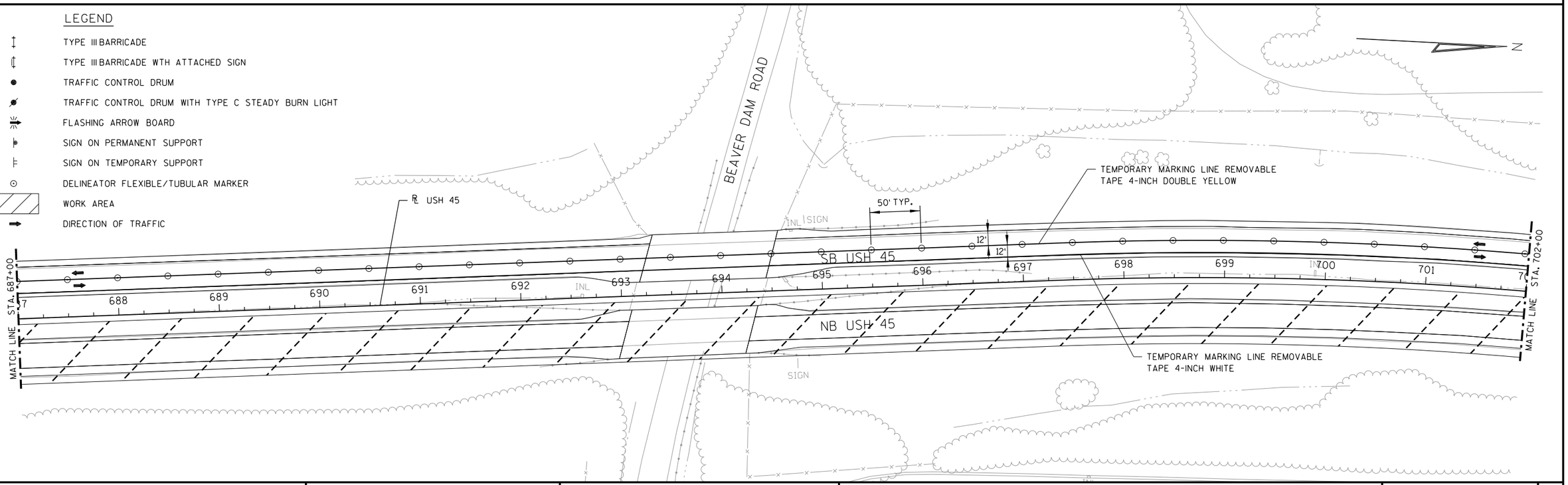
PRE_177

2



LEGEND

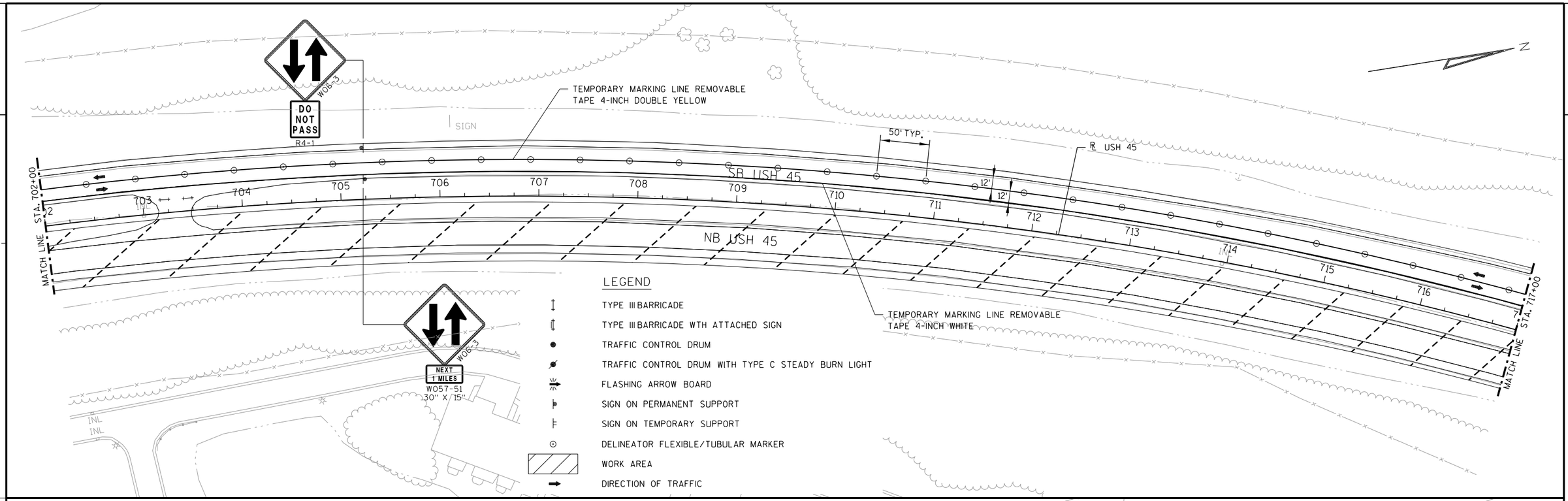
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\026230_S3.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

SB USH 45 ON RAMP

SB USH 45 OFF RAMP

CTH D

MH

INL

SIGN

N

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH DOUBLE YELLOW

SB USH 45

NB USH 45

℄ USH 45

50' TYP.

12'

12'

MATCH LINE STA. 732+00

MATCH LINE STA. 747+00

732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747

TEMPORARY MARKING LINE REMOVABLE
TAPE 4-INCH WHITE

NB USH 45 OFF RAMP

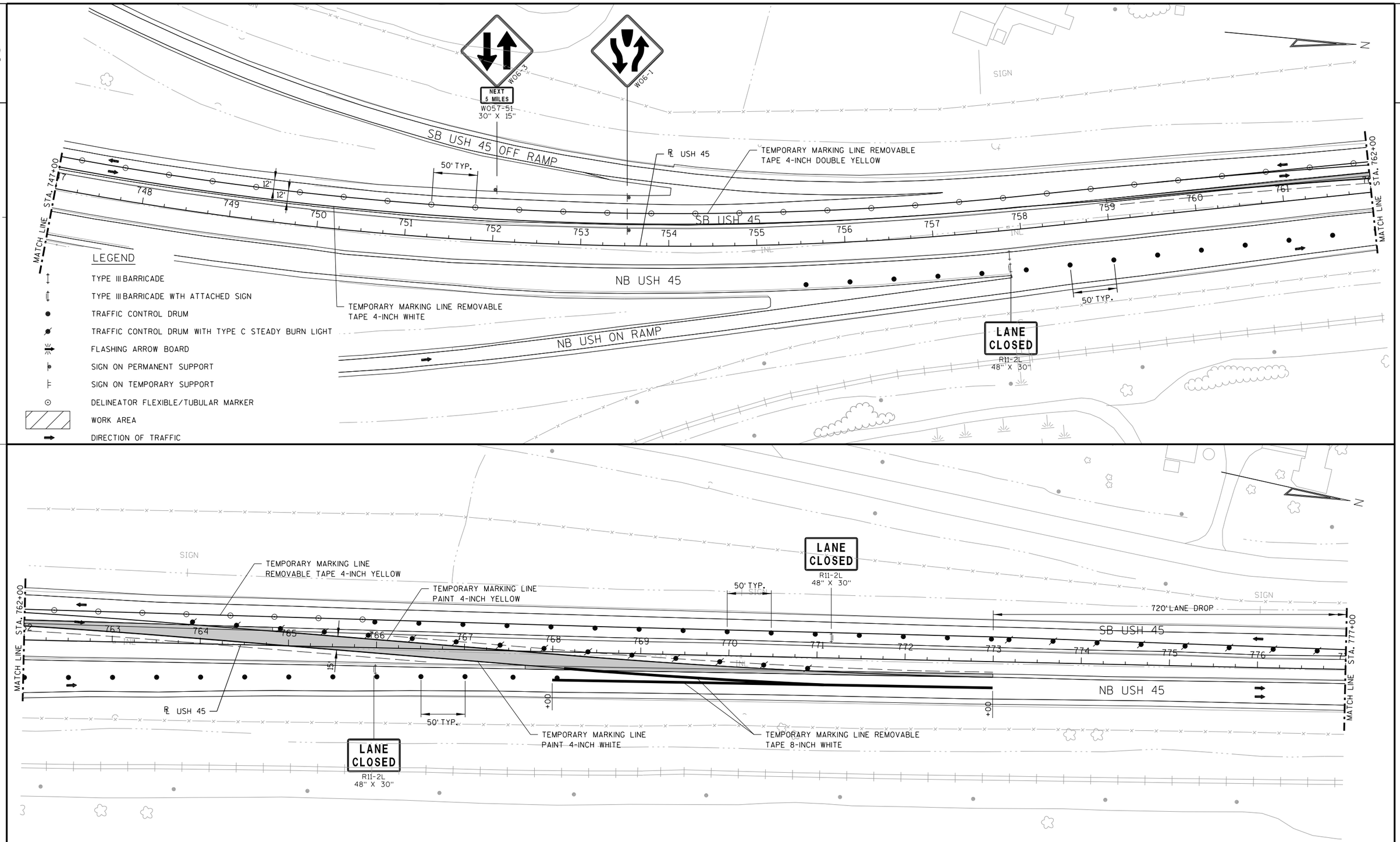
NB USH 45 ON RAMP

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

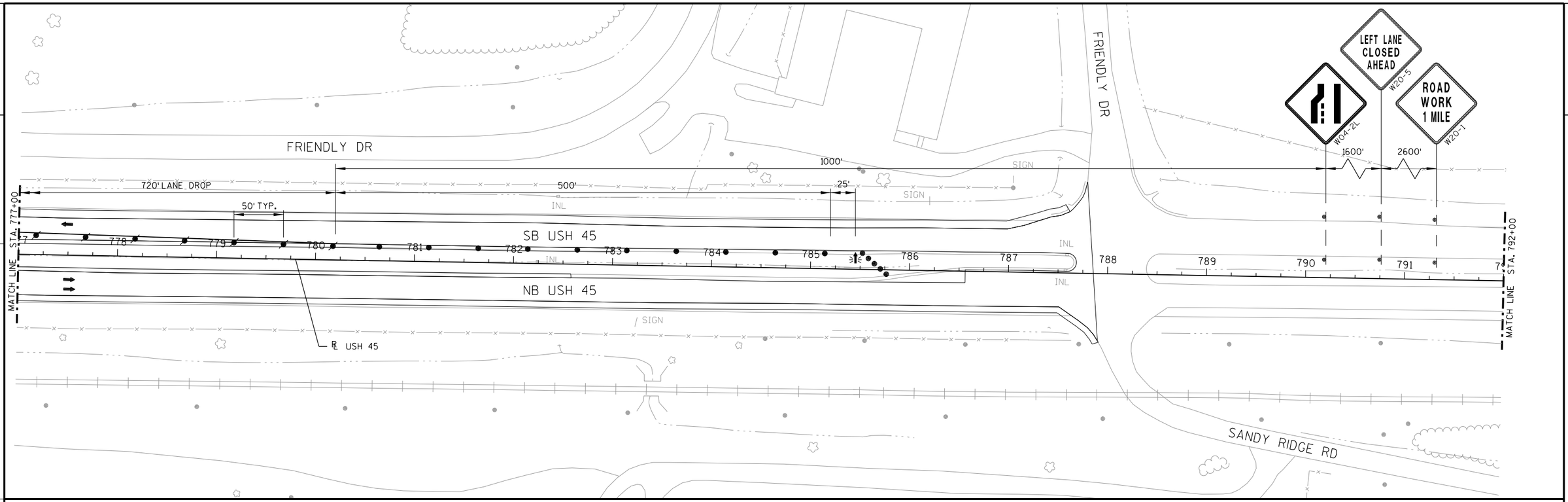
PRE_180

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WISDOT/CADDS SHEET 42



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

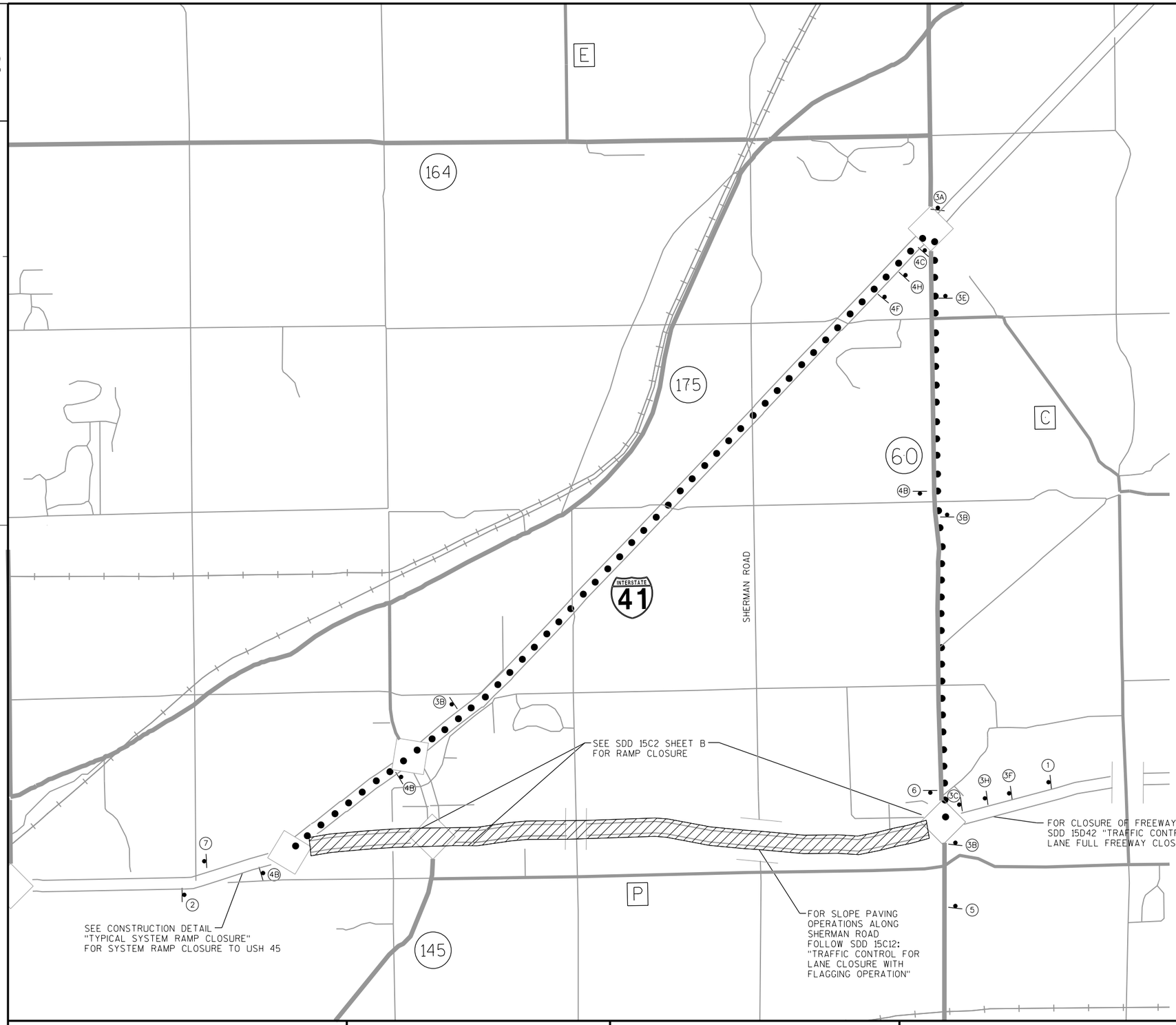


LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL - STAGE 3	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\026234_S3.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



2

2

① SOUTH 45 M3-3 24" X 12" M1-4 24" X 24" — DETOUR AHEAD W20-2

② NORTH 45 M3-1 24" X 12" M1-4 24" X 24" — DETOUR AHEAD W20-2

③ DETOUR SOUTH 45 M4-8 24" X 12" M3-3 24" X 12" M1-4 24" X 24"

④ DETOUR NORTH 45 M4-8 24" X 12" M3-1 24" X 12" M1-4 24" X 24"

⑤ SOUTH 45 M3-3 24" X 12" M1-4 24" X 24" — RAMP CLOSED AHEAD W20-53A

⑥ END DETOUR NORTH 45 M4-8A 24" X 18" M3-1 24" X 12" M1-4 24" X 24"

⑦ END DETOUR SOUTH 45 M4-8A 24" X 18" M3-3 24" X 12" M1-4 24" X 24"

Ⓐ MO6-1 21" X 21"
Ⓑ MO6-1 21" X 21"
Ⓒ MO6-1 21" X 21"
Ⓓ MO5-1R 21" X 21"
Ⓔ MO5-1L 21" X 21"
Ⓕ MO5-2R 21" X 21"
Ⓖ MO5-2L 21" X 21"
Ⓗ MO6-2 21" X 21"

LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- WORK AREA

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

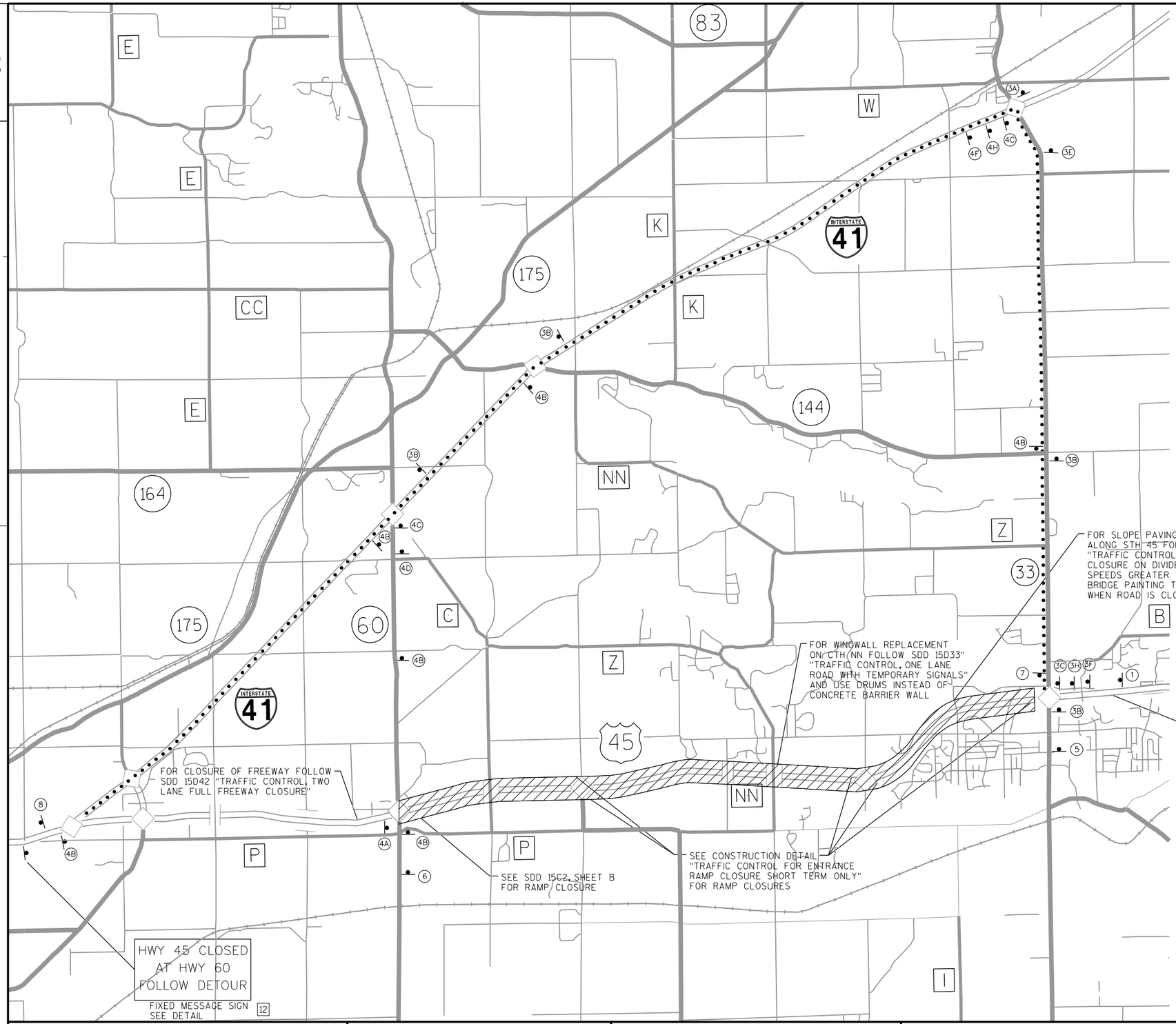
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - USH 45 MAINLINE CLOSURE - IH 41 TO STH 60	SHEET E

PRE_183



NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

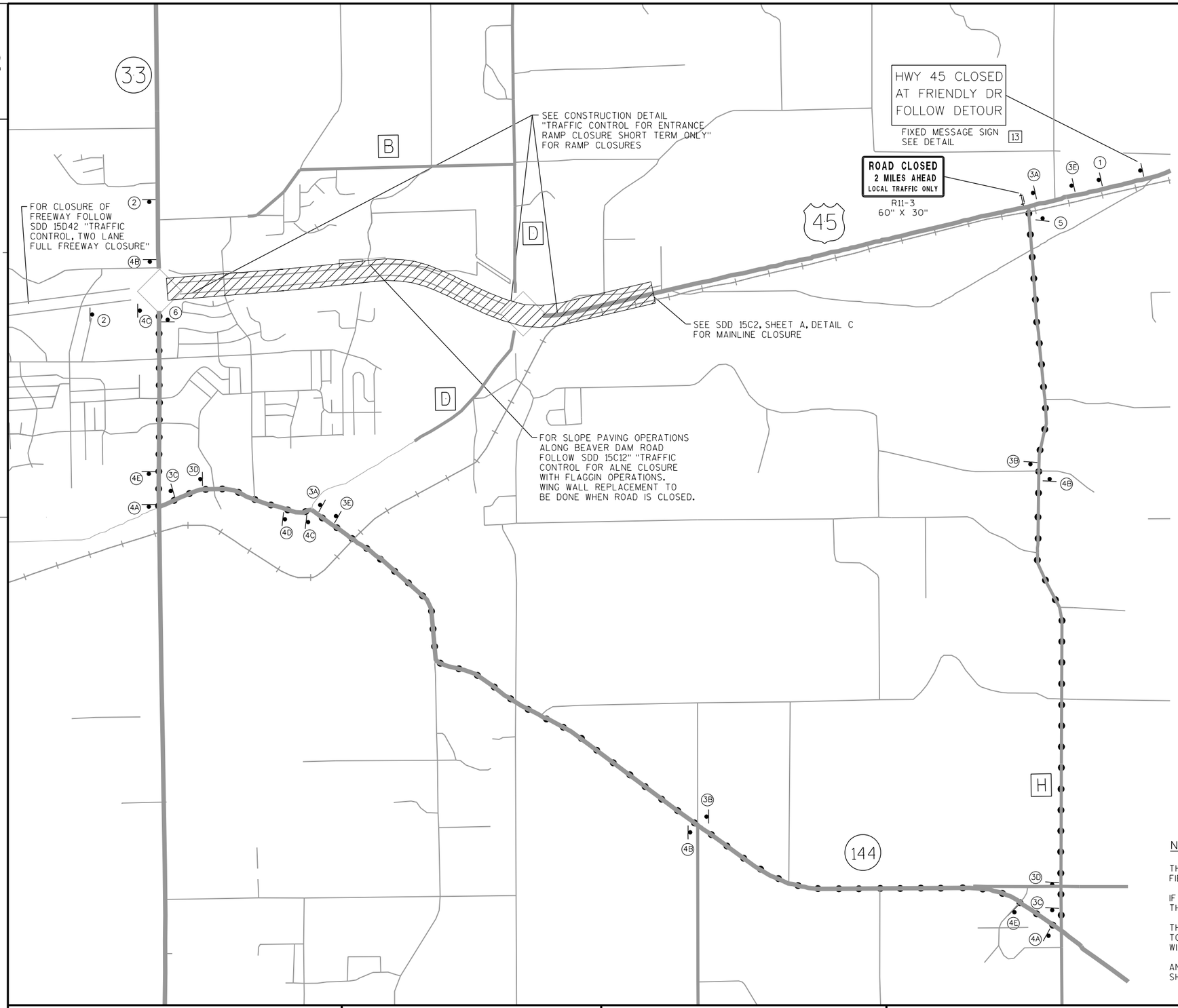
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - MAINLINE CLOSURE - STH 60 TO STH 33	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027003_dt.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



① SOUTH 45 — M3-3 24" X 12" / M1-4 24" X 24" — DETOUR AHEAD W20-2

② NORTH 45 — M3-1 24" X 12" / M1-4 24" X 24" — DETOUR AHEAD W20-2

③ DETOUR SOUTH 45 — M4-8 24" X 12" / M3-3 24" X 12" / M1-4 24" X 24"

④ DETOUR NORTH 45 — M4-8 24" X 12" / M3-1 24" X 12" / M1-4 24" X 24"

⑤ END DETOUR NORTH 45 — M4-8A 24" X 18" / M3-1 24" X 12" / M1-4 24" X 24"

⑥ END DETOUR SOUTH 45 — M4-8A 24" X 18" / M3-3 24" X 12"

Ⓐ MO6-1 21" X 21"

Ⓑ MO6-1 21" X 21"

Ⓒ MO6-1 21" X 21"

Ⓓ MO5-1R 21" X 21"

Ⓔ MO5-1L 21" X 21"

Ⓕ MO5-2R 21" X 21"

Ⓖ MO5-2L 21" X 21"

LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

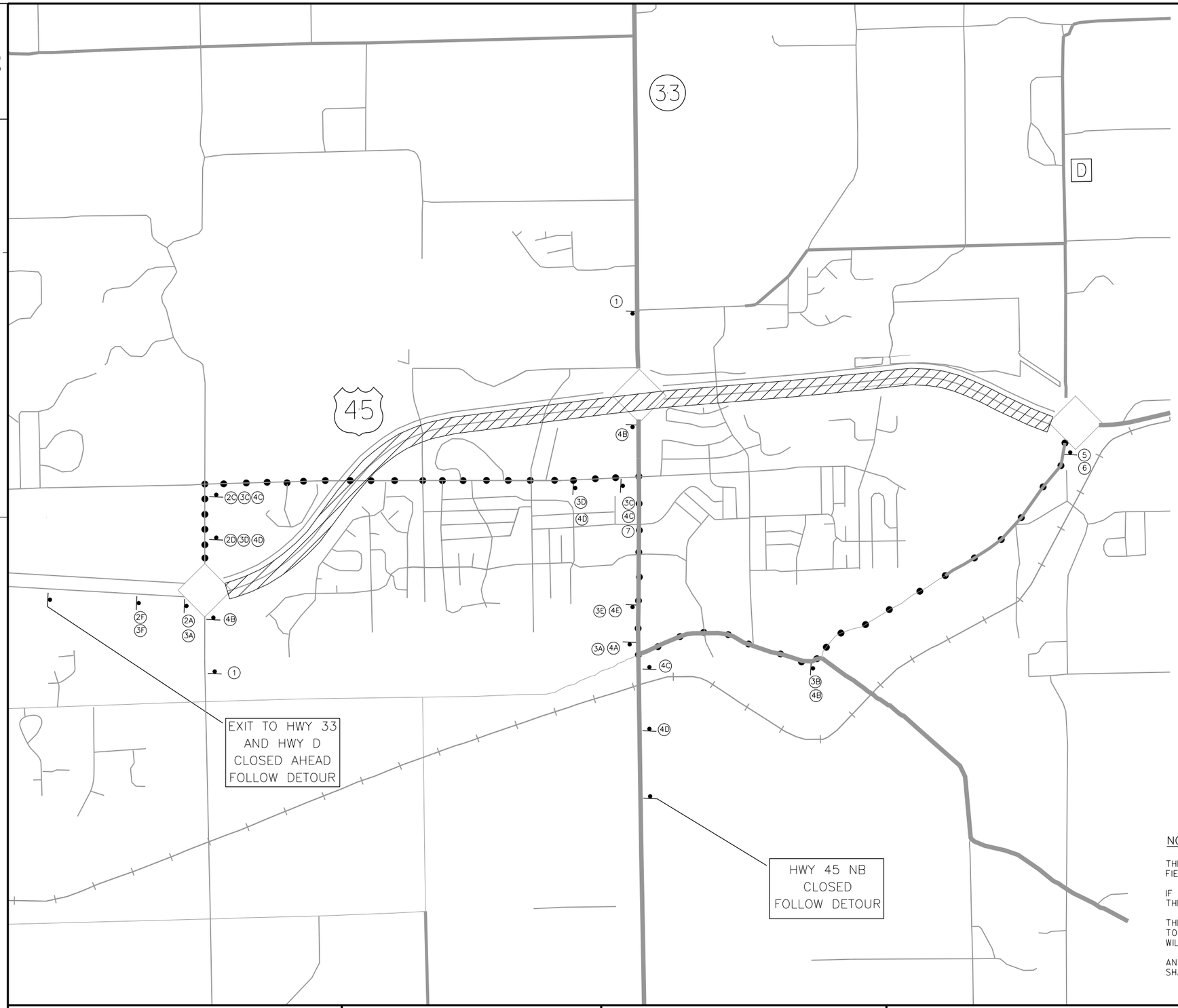
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - USH 45 MAINLINE CLOSURES - STH 33 TO CTH H	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027004_dt.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



① NORTH 45 — M3-1 24" X 12" / M1-4 24" X 24"

② TO COUNTY D — M 4-5 24" X 12" / M1-5A 24" X 24"

③ TO 33 — M 4-5 24" X 12" / M1-4 24" X 24"

DETOUR AHEAD — W20-2

④ DETOUR NORTH 45 — M4-8 24" X 12" / M3-1 24" X 12" / M1-4 24" X 24"

⑤ END DETOUR NORTH 45 — M4-8A 24" X 18" / M3-1 24" X 12" / M1-4 24" X 24"

⑥ END DETOUR COUNTY D — M4-8A 24" X 18" / M1-5A 24" X 24"

⑦ END DETOUR 33 — M4-8A 24" X 18" / M1-4 24" X 24"

Ⓐ MO6-1 21" X 21"

Ⓑ MO6-1 21" X 21"

Ⓒ MO6-1 21" X 21"

Ⓓ MO5-1R 21" X 21"

Ⓔ MO5-1L 21" X 21"

Ⓕ MO5-2R 21" X 21"

LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

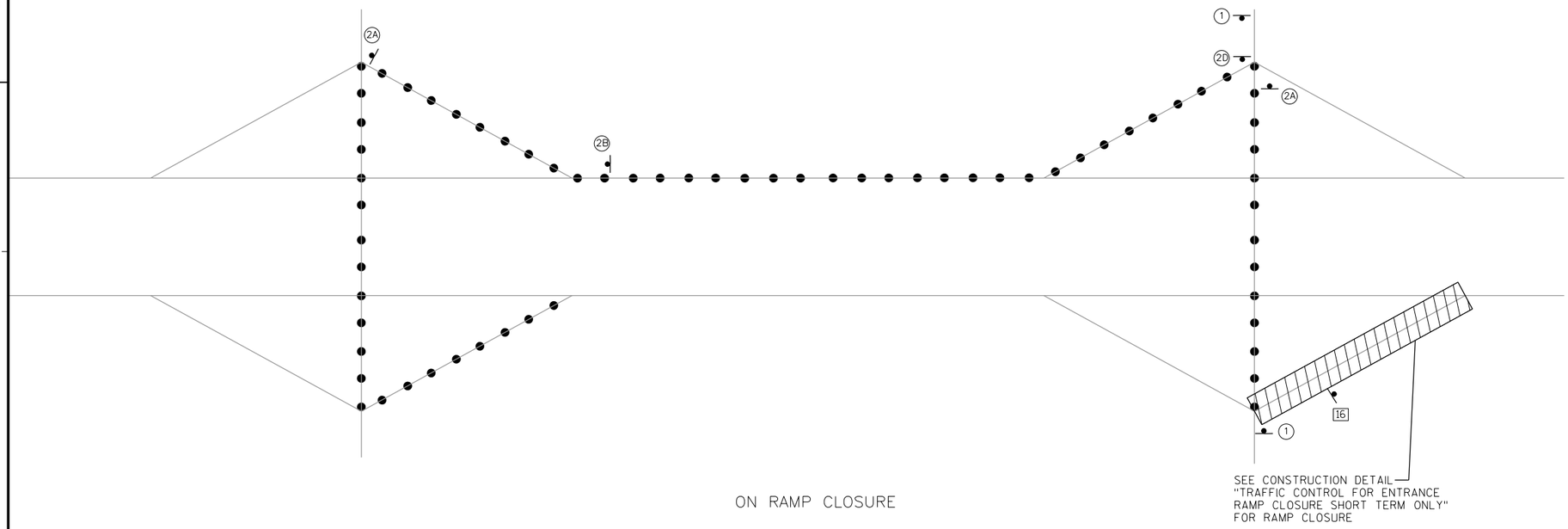
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

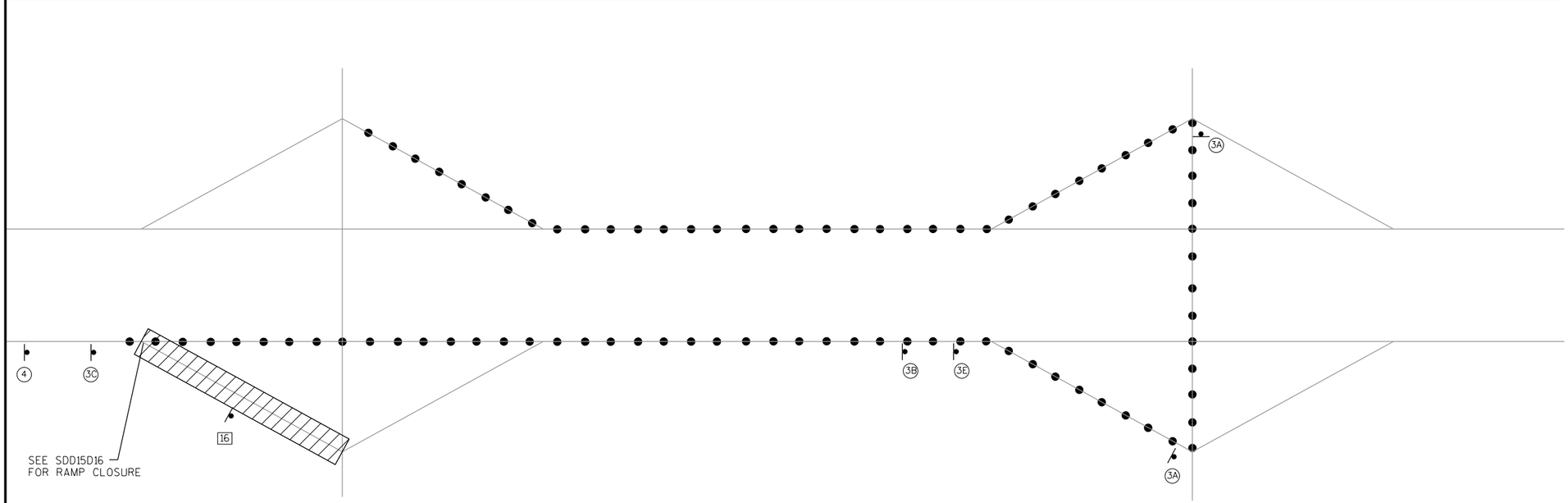
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - USH 45 NB CLOSURE - PARADISE DR TO CTH D	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027004a_dt.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



ON RAMP CLOSURE

SEE CONSTRUCTION DETAIL "TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE SHORT TERM ONLY" FOR RAMP CLOSURE



OFF RAMP CLOSURE

① NORTH 45 M3-1 24" X 12" M1-4 24" X 24" RAMP CLOSED AHEAD W20-53A OR SOUTH 45 M3-3 24" X 12" RAMP CLOSED AHEAD

② TO NORTH 45 M4-5 24" X 12" M3-1 24" X 12" M1-4 24" X 24" OR TO SOUTH 45 M4-5 24" X 12" M3-3 24" X 12" M1-4 24" X 24"

③ TO 145 OR TO 60 OR TO PLEASANT VALLEY RD OR TO PARADISE DR OR TO 33 OR TO COUNTY D
M4-5 24" X 12" M1-6 24" X 24" M4-5 24" X 12" M1-6 24" X 24" M4-5 24" X 12" FIXED MESSAGE SIGN SEE DETAIL 17 M4-5 24" X 12" FIXED MESSAGE SIGN SEE DETAIL 18 M4-5 24" X 12" M1-6 24" X 24" M4-5 24" X 12" M1-5A 24" X 24"

④ RAMP CLOSED AHEAD W20-53A

RAMP CLOSED
9AM - 3PM
6PM - 6AM
MON - FRI
BEGINS XXX XX
FIXED MESSAGE SIGN SEE DETAIL 16

Ⓐ MO6-1 21" X 21"
Ⓑ MO5-2R 21" X 21"
Ⓒ MO6-1 21" X 21"
Ⓓ MO6-1 21" X 21"
Ⓔ MO6-2 21" X 21"

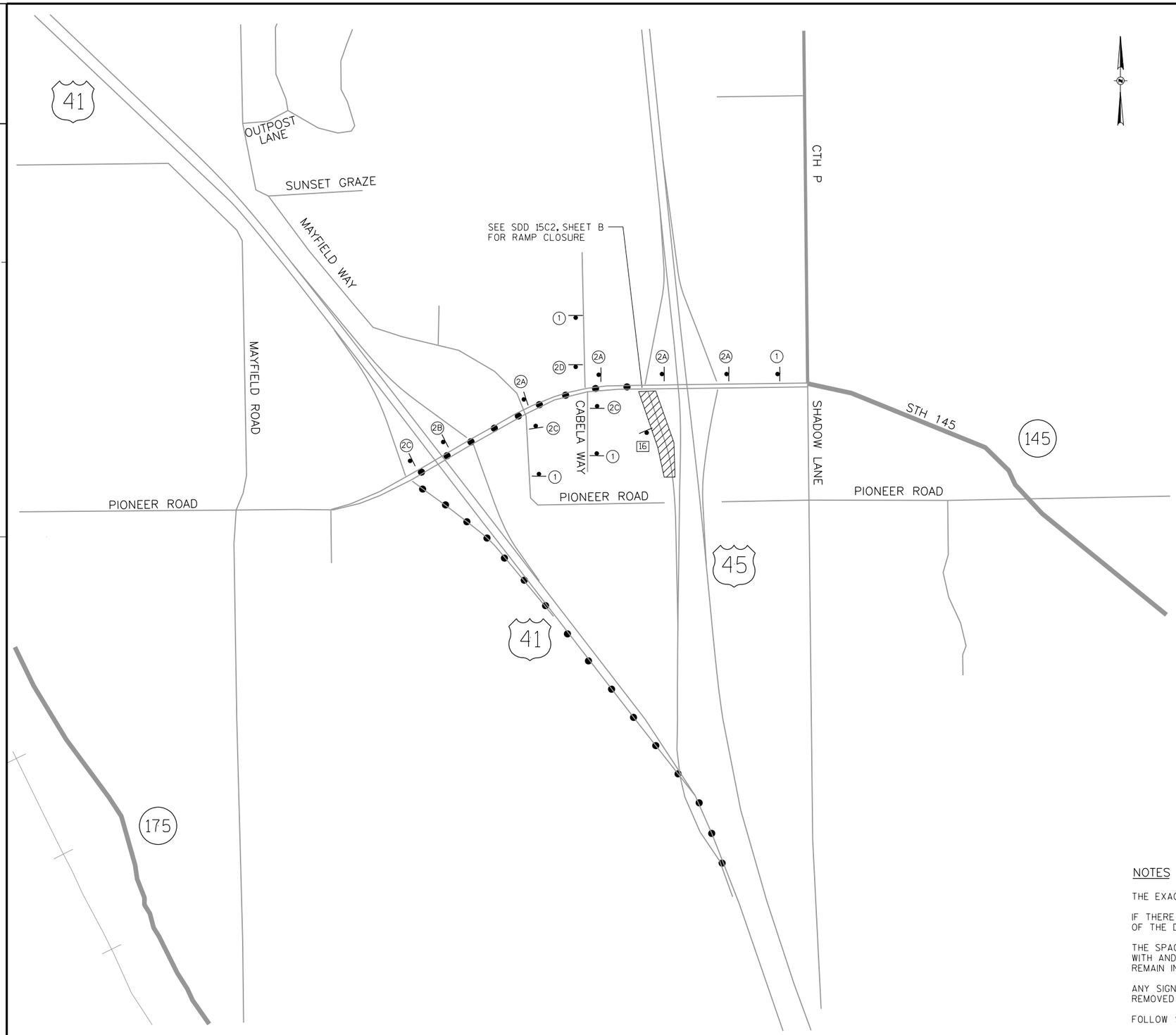
LEGEND

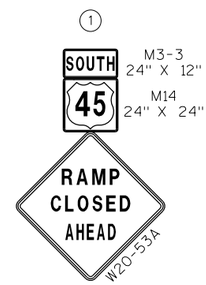
● ● ● DETOUR ROUTE

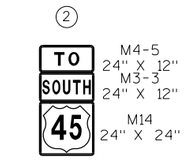
TEMPORARY TRAFFIC CONTROL SIGN POST

WORK AREA

PROJECT NO:2220-02-70	HWY:USH 45	COUNTY:WASHINGTON	DETOUR ROUTE - TYPICAL RAMP CLOSURE	SHEET E

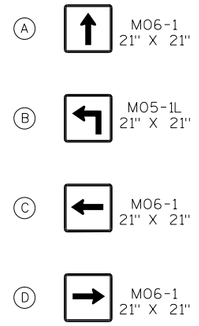








FIXED MESSAGE SIGN
SEE DETAIL 16



LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- WORK AREA

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

FOLLOW SDD "BARRICADES AND SIGNS FOR RAMP CLOSURES" FOR RAMP CLOSED SIGNAGE.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - USH 45 SB ENTRANCE RAMP AT STH 145	SHEET E

2

2

PIONEER ROAD

IH 41

MAYFIELD ROAD

MAYFIELD ROAD

MAYFIELD WAY

WESTERN AVE

SHERMAN ROAD

MILL ROAD

STH 60

PIONEER ROAD

STH 45

SEE SDD 1502 SHEET B
FOR RAMP CLOSURE

SHADOW
LANE

CTH P

CTH P

STH 145

PIONEER ROAD

WESTERN AVE

① M3-1 24" X 12"
NORTH
45
M14 24" X 24"

RAMP CLOSED AHEAD
W20-53A

② M4-5 24" X 12"
TO
NORTH
45
M3-1 24" X 12"
M14 24" X 24"

RAMP CLOSED
9AM - 3PM
6PM - 6AM
MON - FRI
BEGINS XXX XX
FIXED MESSAGE SIGN
SEE DETAIL 16

Ⓐ M06-1 21" X 21"
Ⓑ M06-1 21" X 21"
Ⓒ M06-1 21" X 21"
Ⓓ M05-1L 21" X 21"

LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- WORK AREA

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - STH 145 NB ON RAMP	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027007_dt.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PIONEER ROAD

IH 41

MAYFIELD ROAD

MAYFIELD ROAD

MAYFIELD WAY

WESTERN AVE

SHERMAN ROAD

MILL ROAD

STH 60

16 SEE SDD 15D16 FOR RAMP CLOSURE

PIONEER ROAD

STH 45

1A 1C 1D 14

1E

1B

1

SHADOW LANE

CTH P

CTH P

PIONEER ROAD

STH 145

WESTERN AVE

LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- WORK AREA

1 TO 145 — M4-5 24" X 12" / M1-6 24" X 24"

A M06-1 21" X 21"

B M06-1 21" X 21"

C M06-2 21" X 21"

D M05-2L 21" X 21"

E M05-1R 21" X 21"

HWY 145
RAMP CLOSED
USE EXIT 63

FIXED MESSAGE SIGN SEE DETAIL 14

RAMP CLOSED
9AM - 3PM
6PM - 6AM
MON - FRI
BEGINS XXX XX

FIXED MESSAGE SIGN SEE DETAIL 16

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

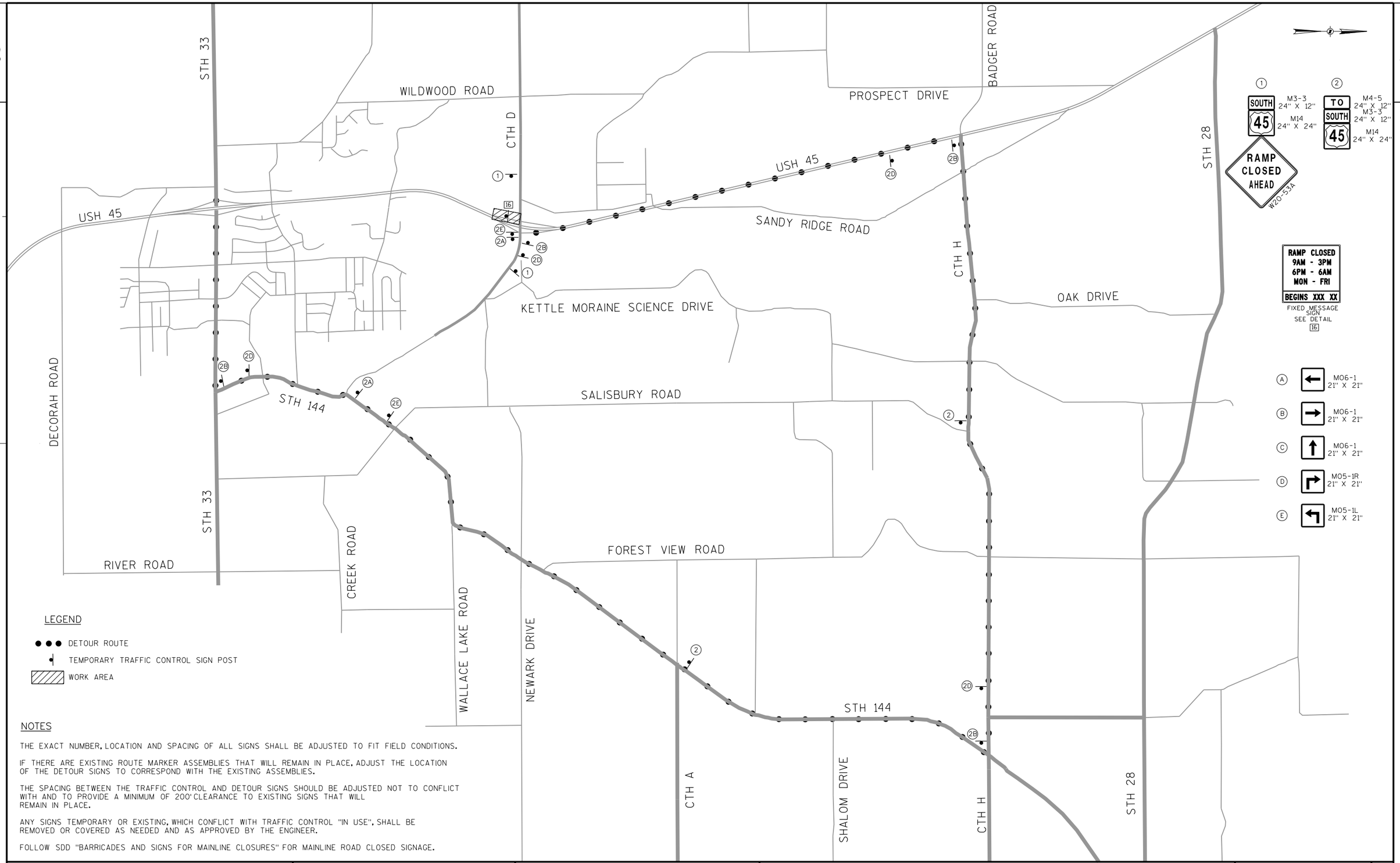
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - STH 145 SB OFF RAMP	SHEET E

PRE_190



NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

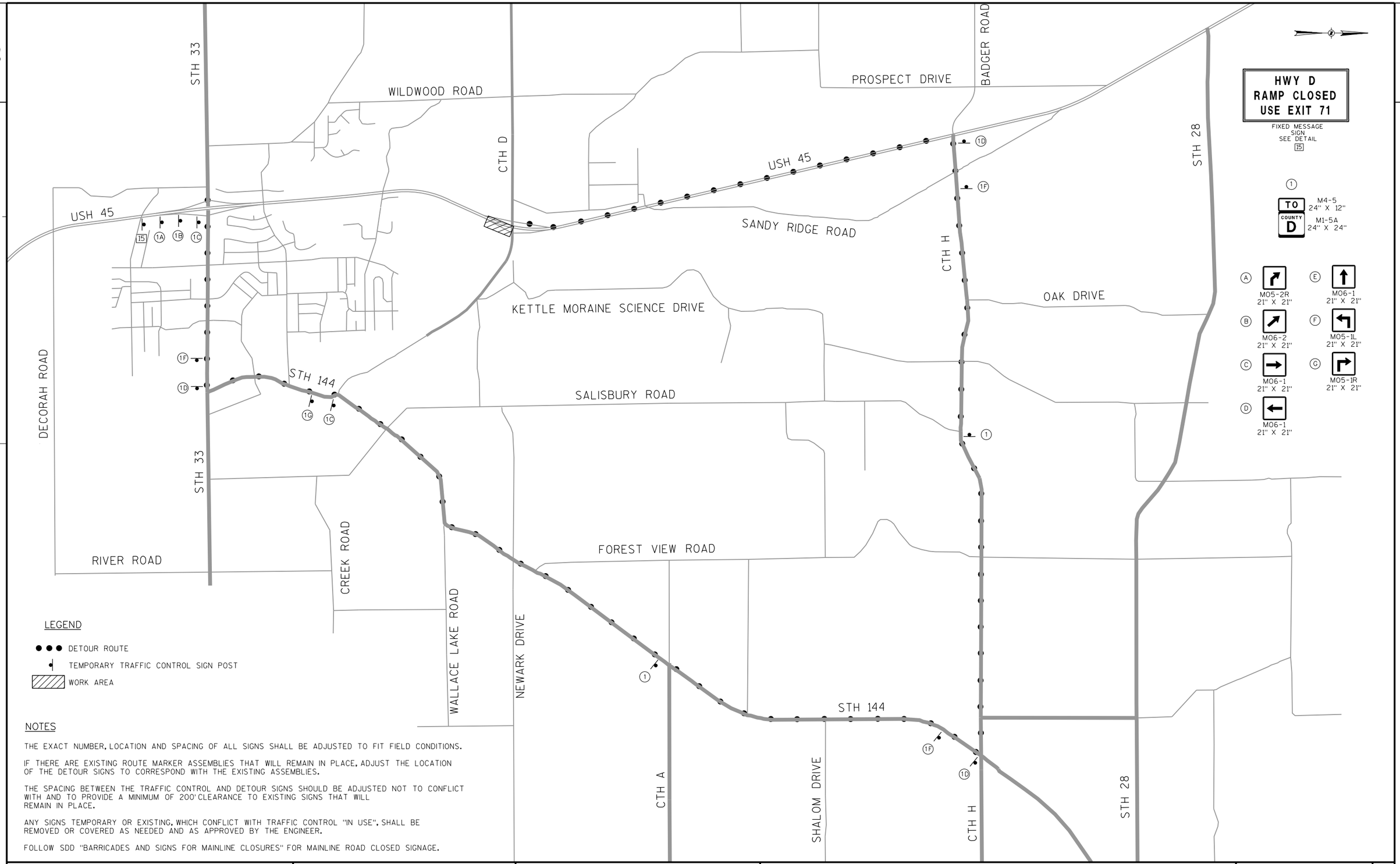
THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200' CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

FOLLOW SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR MAINLINE ROAD CLOSED SIGNAGE.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - CTH D SB ON RAMP	SHEET E

PRE_191



NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

THE SPACING BETWEEN THE TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200'CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

FOLLOW SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR MAINLINE ROAD CLOSED SIGNAGE.

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - CTH D NB OFF RAMP	SHEET E

PRE_192

2

N

45
M1-4
36" X 36"
MAX. 12' WIDTH
W12-52

45
M1-4
36" X 36"
MAX. 12' WIDTH
W12-52

45
M1-4
36" X 36"
MAX. 12' WIDTH
W12-52

MAX. 12' WIDTH
W12-52
4 MILES AHEAD
W057-52
36" X 24"

LANE CLOSURES AHEAD
SOUTH 45
EXPECT DELAYS

11 FIXED MESSAGE SIGN SEE DETAIL

WIDE LOADS EXCEEDING 12 FT
R12-70B(MOD)
114" X 42"

WIDE LOADS EXCEEDING 12 FT
R12-70B
90" X 36"

45
M1-4
36" X 36"
MAX. 12' WIDTH
W12-52

45
M1-4
36" X 36"
MAX. 12' WIDTH
W12-52

45
M1-4
36" X 36"
MAX. 12' WIDTH
W12-52

LANE CLOSURES AHEAD
NORTH 45
EXPECT DELAYS

11 FIXED MESSAGE SIGN SEE DETAIL

60 41 167 41 60 145 41 33 45 33 28 45 28

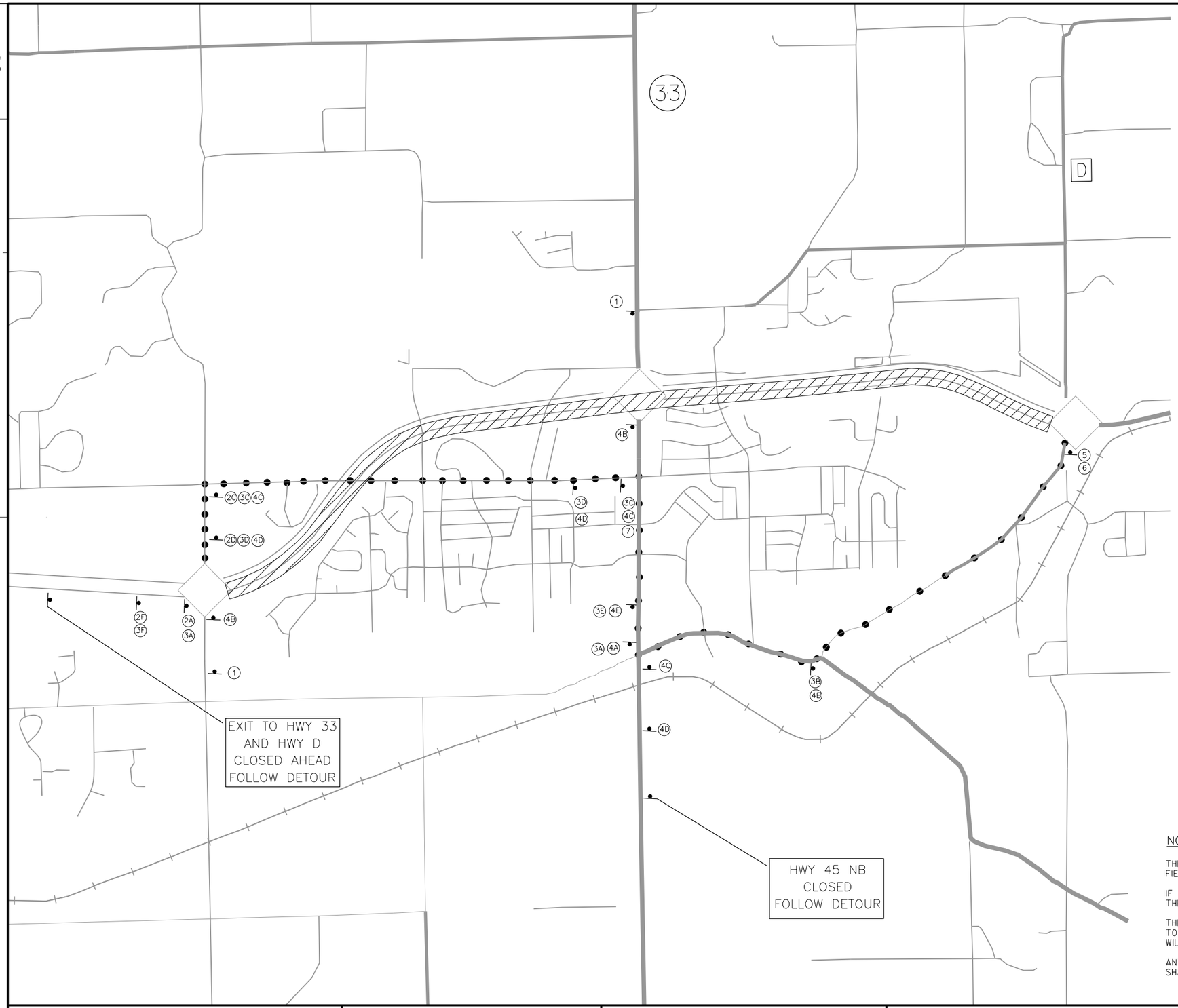
LEGEND

TEMPORARY TRAFFIC CONTROL SIGN POST

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	TRAFFIC CONTROL OVERSIZE/OVERWEIGHT	SHEET E

PRE_193

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027011_dt.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



① NORTH 45 — M3-1 24" X 12"; M1-4 24" X 24"

② TO COUNTY D — M 4-5 24" X 12"; M1-5A 24" X 24"

③ TO 33 — M 4-5 24" X 12"; M1-4 24" X 24"

DETOUR AHEAD W20-2

④ DETOUR NORTH 45 — M4-8 24" X 12"; M3-1 24" X 12"; M1-4 24" X 24"

⑤ END DETOUR NORTH 45 — M4-8A 24" X 18"; M3-1 24" X 12"; M1-4 24" X 24"

⑥ END DETOUR COUNTY D — M4-8A 24" X 18"; M1-5A 24" X 24"

⑦ END DETOUR 33 — M4-8A 24" X 18"; M1-4 24" X 24"

Ⓐ MO6-1 21" X 21"

Ⓑ MO6-1 21" X 21"

Ⓒ MO6-1 21" X 21"

Ⓓ MO5-1R 21" X 21"

Ⓔ MO5-1L 21" X 21"

Ⓕ MO5-2R 21" X 21"

LEGEND

- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN POST
- TYPE III BARRICADE WITH SIGN AND 2 TYPE "A" WARNING LIGHTS (FLASHING)
- WORK AREA

NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

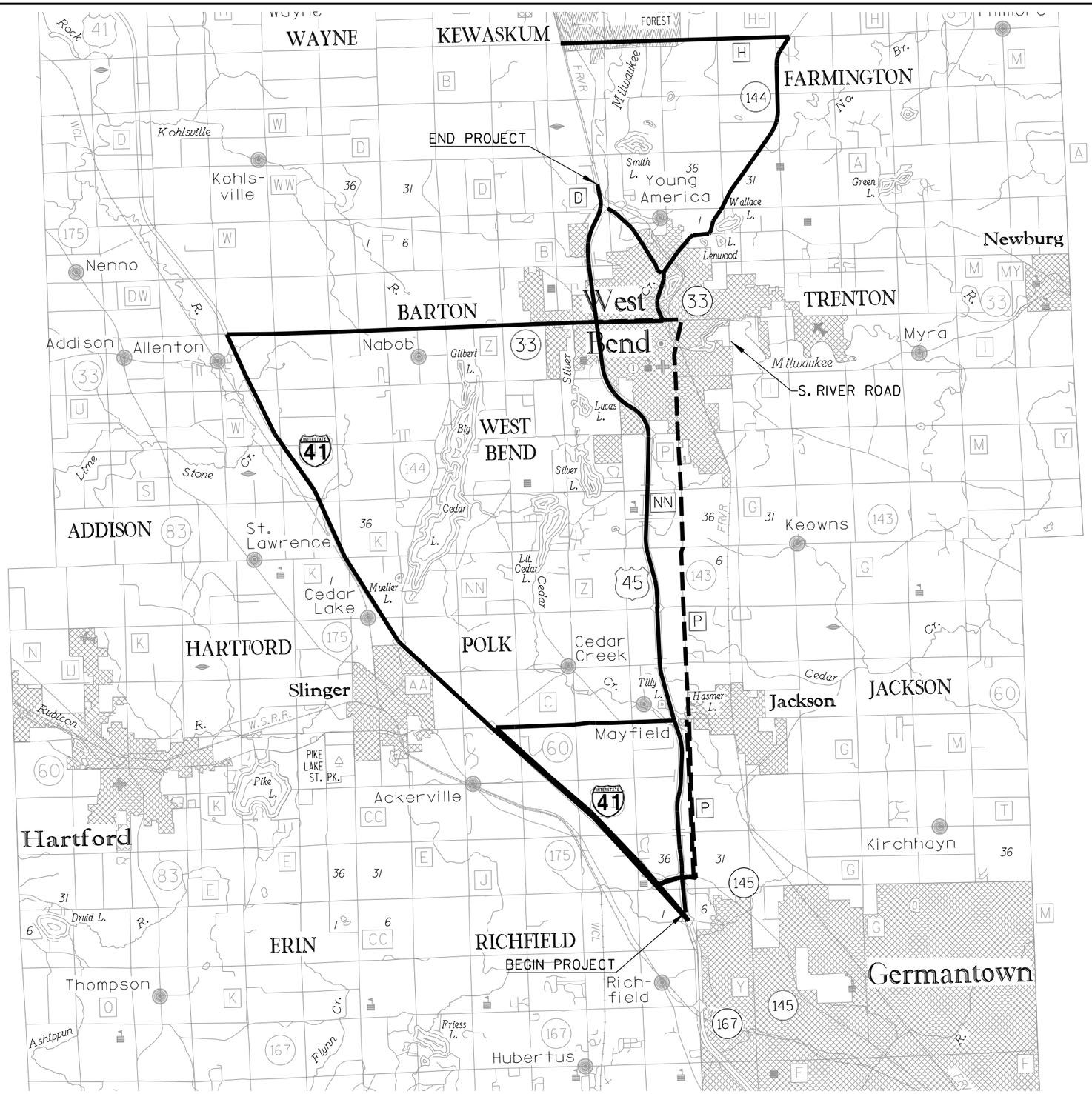
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES.

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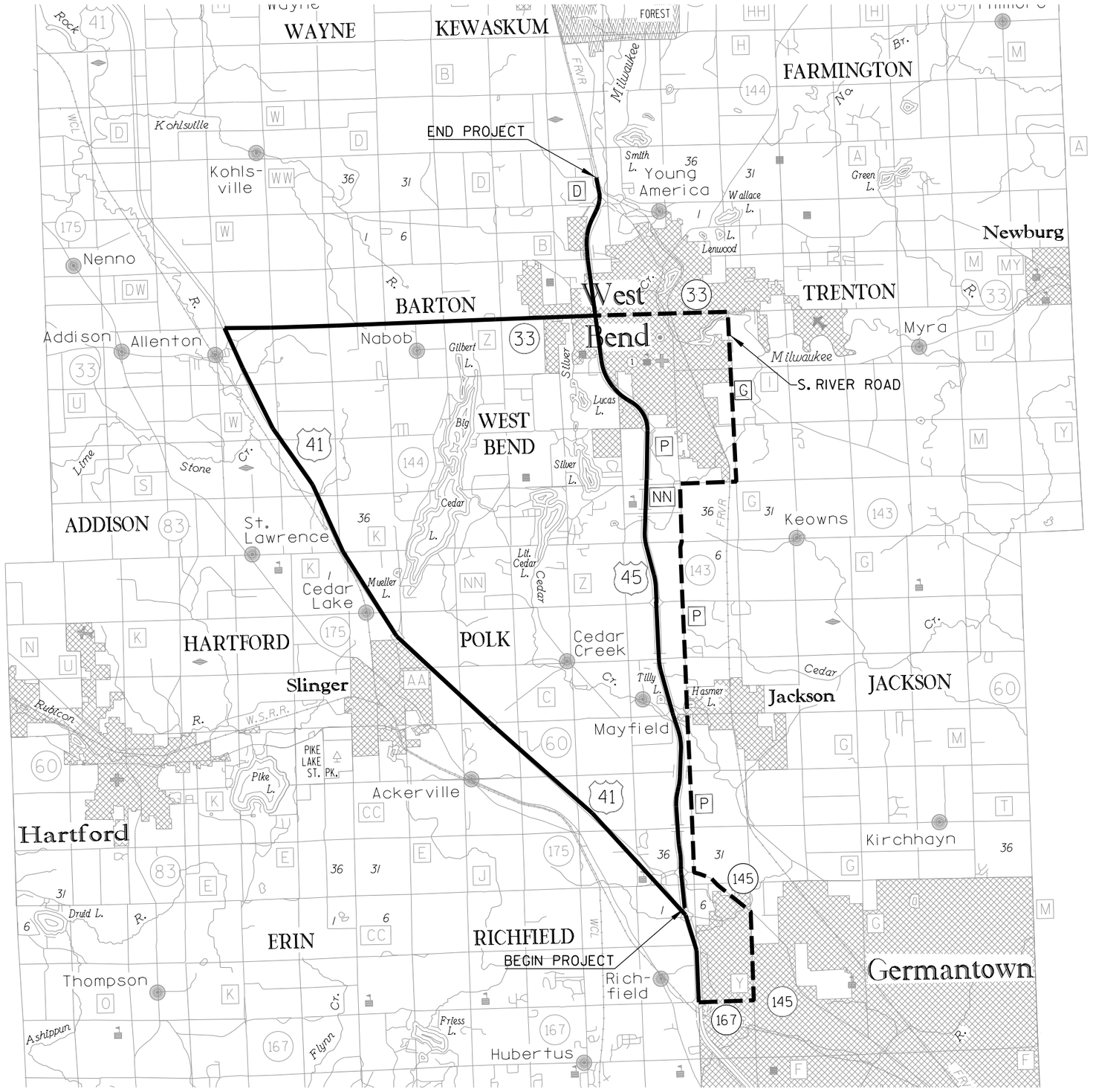
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	DETOUR ROUTE - USH 45 NB CLOSURE - PARADISE DR TO CTH D	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027012_dt.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

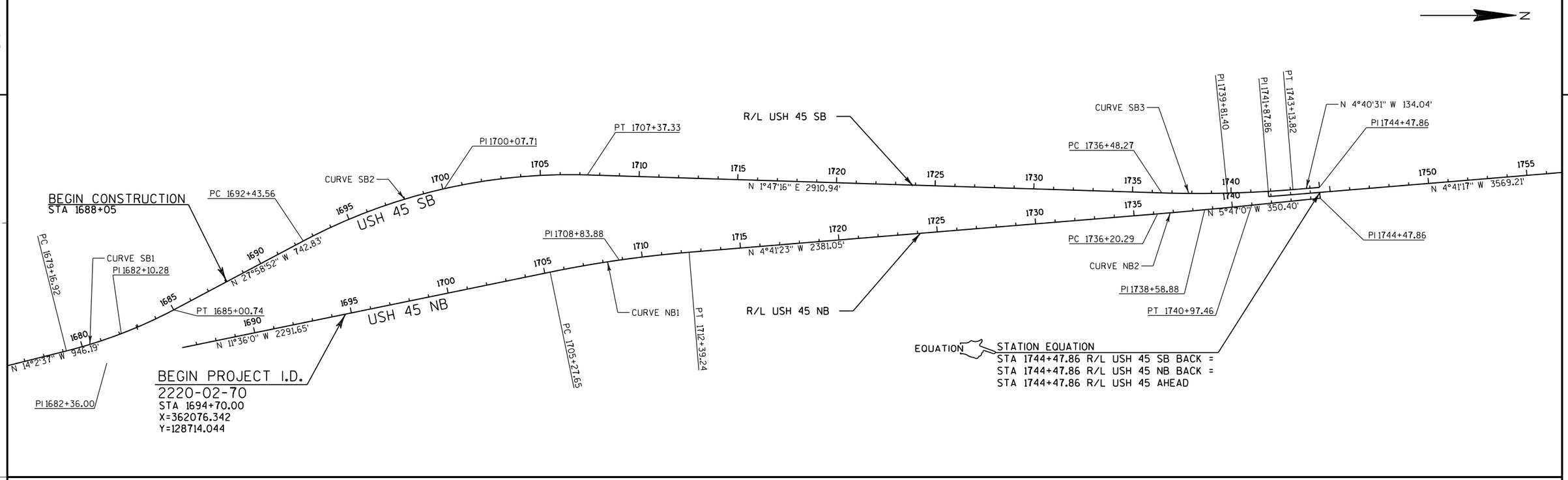


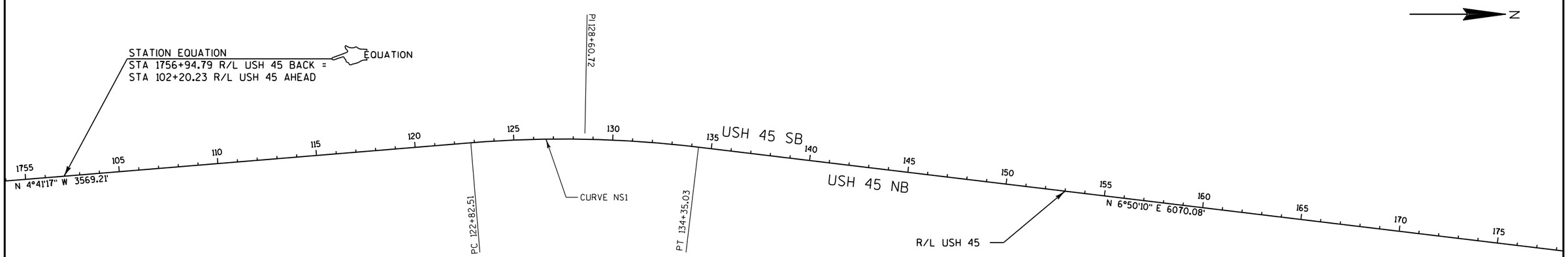
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	USH 45 DETOUR AND ALTERNATE ROUTES	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027051_dt 3 Phases.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	USH 45 ALTERNATE ROUTES	SHEET E





CURVE SB1

PC = 1679+16.92
X = 127300.08
Y = 362263.22
PI = 1682+10.28
X = 127584.67
Y = 362192.03
PT = 1685+00.74
X = 127843.73
Y = 362054.39
R = 2400.00
DELTA = 13°56'15" LT
D = 2°23'14"
L = 583.81
T = 293.36
BK = N 14°02'37" W
AH = N 27°58'53" W

CURVE SB2

PC = 1692+43.56
X = 128499.72
Y = 361705.87
PI = 1700+07.71
X = 129174.54
Y = 361347.35
PT = 1707+37.33
X = 129938.32
Y = 361371.19
R = 2875.00
DELTA = 29°46'09" RT
D = 1°59'34"
L = 1493.76
T = 764.15
BK = N 27°58'53" W
AH = N 1°47'16" E

CURVE SB3

PC = 1736+48.27
X = 132847.85
Y = 361462.00
PI = 1739+81.40
X = 133180.81
Y = 361472.40
PT = 1743+13.82
X = 133512.83
Y = 361445.24
R = 5900.00
DELTA = 6°27'48" LT
D = 0°58'16"
L = 665.55
T = 333.13
BK = N 1°47'16" E
AH = N 4°40'31" W

CURVE NB1

PC = 1705+27.65
X = 129750.10
Y = 361863.67
PI = 1708+83.88
X = 130099.04
Y = 361792.04
PT = 1712+39.24
X = 130454.08
Y = 361762.92
R = 5900.00
DELTA = 6°54'37" RT
D = 0°58'16"
L = 711.59
T = 356.22
BK = N 11°36'00" W
AH = N 4°41'23" W

CURVE NB2

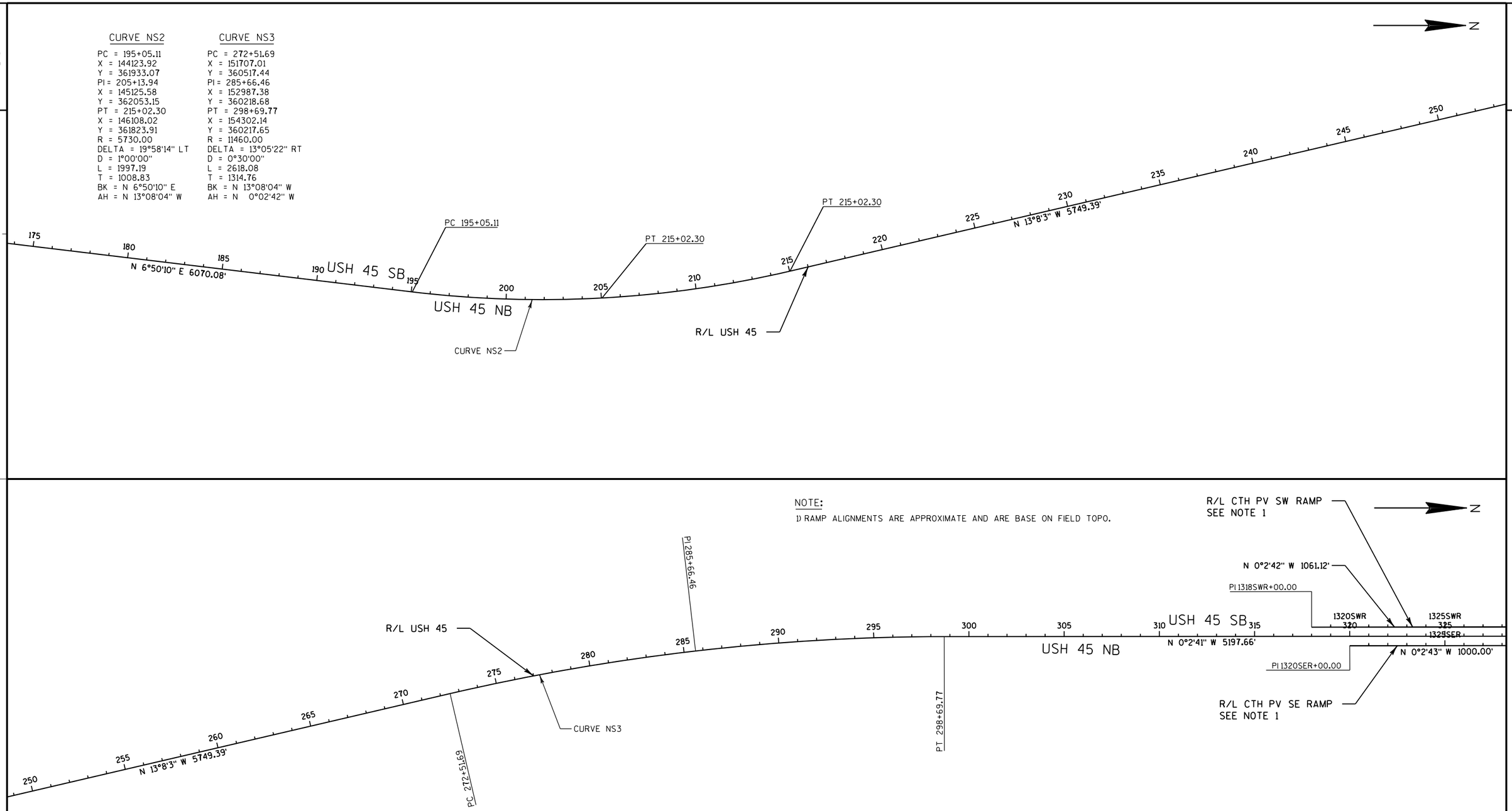
PC = 1736+20.29
X = 132827.16
Y = 361568.24
PI = 1738+58.88
X = 133064.95
Y = 361548.73
PT = 1740+97.46
X = 133302.33
Y = 361524.69
R = 25000.00
DELTA = 1°05'37" LT
D = 0°13'45"
L = 477.17
T = 238.59
BK = N 4°41'23" W
AH = N 5°47'00" W

CURVE NS1

PC = a 122+82.51
X = 136946.62
Y = 361188.98
PI = a 128+60.72
X = 137522.90
Y = 361141.72
PT = a 134+35.03
X = 138097.00
Y = 361210.54
R = 5730.00
DELTA = 11°31'28" RT
D = 1°00'00"
L = 1152.52
T = 578.21
BK = N 4°41'18" W
AH = N 6°50'10" E

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT PLAN	SHEET E

CURVE NS2	CURVE NS3
PC = 195+05.11	PC = 272+51.69
X = 144123.92	X = 151707.01
Y = 361933.07	Y = 360517.44
PI = 205+13.94	PI = 285+66.46
X = 145125.58	X = 152987.38
Y = 362053.15	Y = 360218.68
PT = 215+02.30	PT = 298+69.77
X = 146108.02	X = 154302.14
Y = 361823.91	Y = 360217.65
R = 5730.00	R = 11460.00
DELTA = 19°58'14" LT	DELTA = 13°05'22" RT
D = 1°00'00"	D = 0°30'00"
L = 1997.19	L = 2618.08
T = 1008.83	T = 1314.76
BK = N 6°50'10" E	BK = N 13°08'04" W
AH = N 13°08'04" W	AH = N 0°02'42" W



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT PLAN	SHEET E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\027202_AD.DGN PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:500

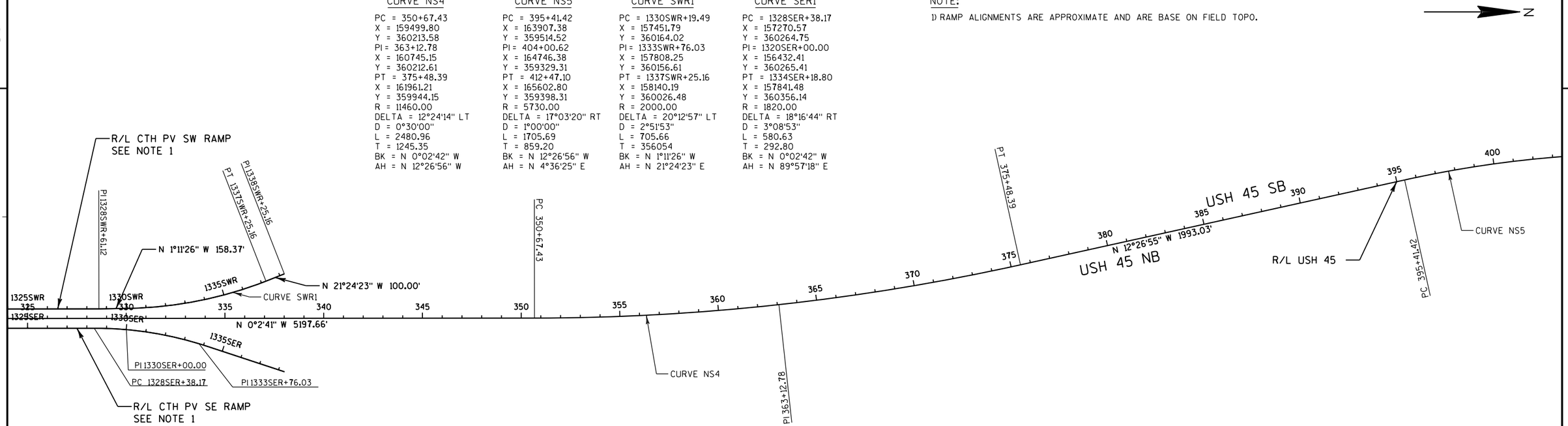
PRE_198

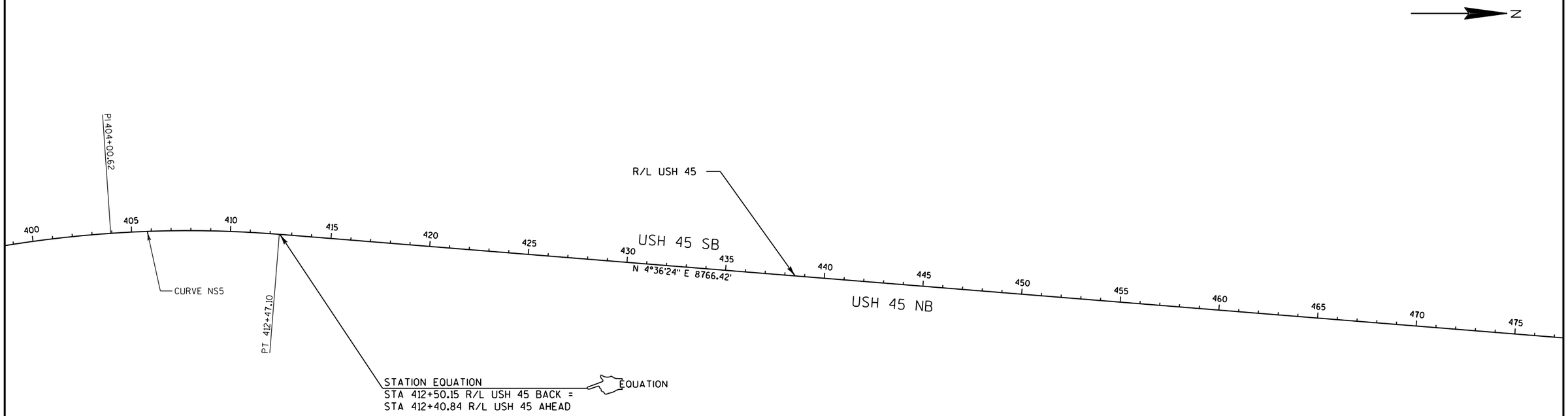
WISDOT/CADDS SHEET 42

CURVE NS4	CURVE NS5	CURVE SWR1	CURVE SER1
PC = 350+67.43	PC = 395+41.42	PC = 1330SWR+19.49	PC = 1328SER+38.17
X = 159499.80	X = 163907.38	X = 157451.79	X = 157270.57
Y = 360213.58	Y = 359514.52	Y = 360164.02	Y = 360264.75
PI = 363+12.78	PI = 404+00.62	PI = 1333SWR+76.03	PI = 1320SER+00.00
X = 160745.15	X = 164746.38	X = 157808.25	X = 156432.41
Y = 360212.61	Y = 359329.31	Y = 360156.61	Y = 360265.41
PT = 375+48.39	PT = 412+47.10	PT = 1337SWR+25.16	PT = 1334SER+18.80
X = 161961.21	X = 165602.80	X = 158140.19	X = 157841.48
Y = 359944.15	Y = 359398.31	Y = 360026.48	Y = 360356.14
R = 11460.00	R = 5730.00	R = 2000.00	R = 1820.00
DELTA = 12°24'14" LT	DELTA = 17°03'20" RT	DELTA = 20°12'57" LT	DELTA = 18°16'44" RT
D = 0°30'00"	D = 1°00'00"	D = 2°51'53"	D = 3°08'53"
L = 2480.96	L = 1705.69	L = 705.66	L = 580.63
T = 1245.35	T = 859.20	T = 356054	T = 292.80
BK = N 0°02'42" W	BK = N 12°26'56" W	BK = N 1°11'26" W	BK = N 0°02'42" W
AH = N 12°26'56" W	AH = N 4°36'25" E	AH = N 21°24'23" E	AH = N 89°57'18" E

NOTE:

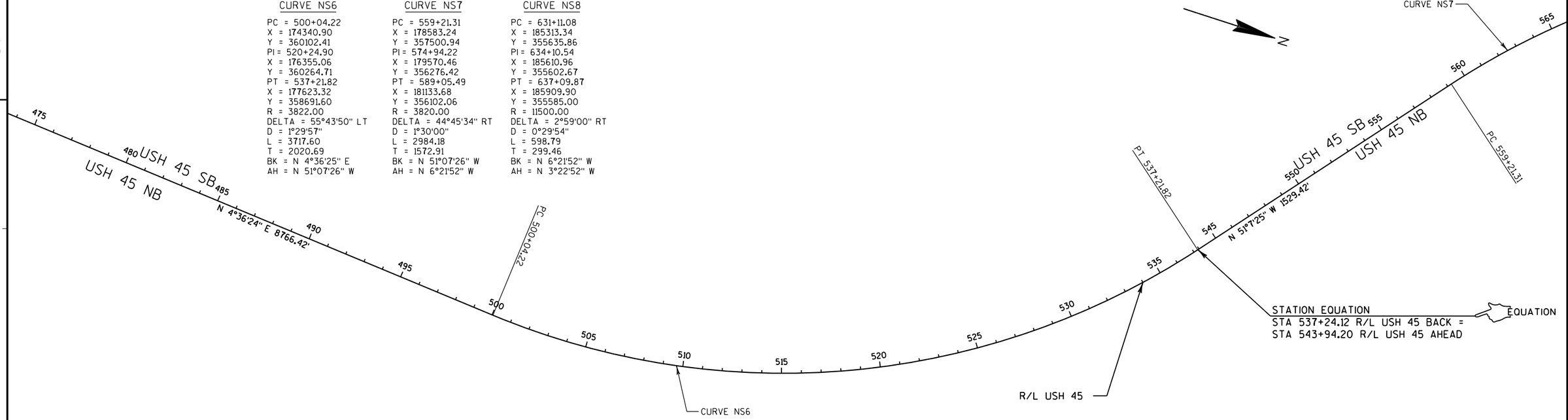
1) RAMP ALIGNMENTS ARE APPROXIMATE AND ARE BASE ON FIELD TOPO.

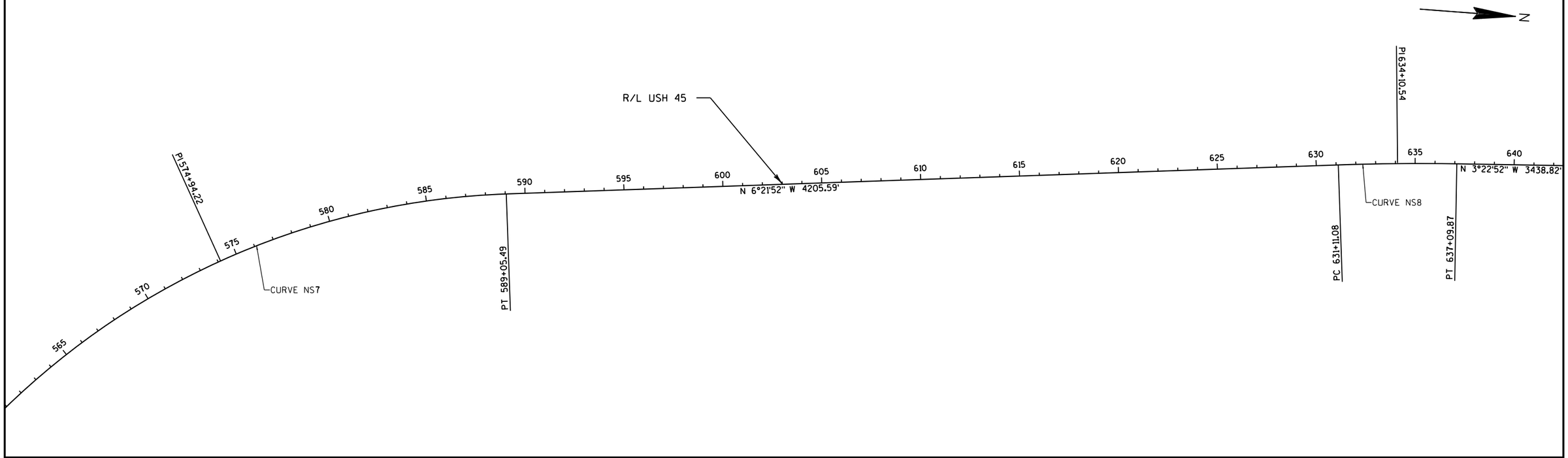




PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT PLAN	SHEET E

CURVE NS6	CURVE NS7	CURVE NS8
PC = 500+04.22	PC = 559+21.31	PC = 631+11.08
X = 174340.90	X = 178583.24	X = 185313.34
Y = 360102.41	Y = 357500.94	Y = 355635.86
PI = 520+24.90	PI = 574+94.22	PI = 634+10.54
X = 176355.06	X = 179570.46	X = 185610.96
Y = 360264.71	Y = 356276.42	Y = 355602.67
PT = 537+21.82	PT = 589+05.49	PT = 637+09.87
X = 177623.32	X = 181133.68	X = 185909.90
Y = 358691.60	Y = 356102.06	Y = 355585.00
R = 3822.00	R = 3820.00	R = 11500.00
DELTA = 55°43'50" LT	DELTA = 44°45'34" RT	DELTA = 2°59'00" RT
D = 1°29'57"	D = 1°30'00"	D = 0°29'54"
L = 3717.60	L = 2984.18	L = 598.79
T = 2020.69	T = 1572.91	T = 299.46
BK = N 4°36'25" E	BK = N 51°07'26" W	BK = N 6°21'52" W
AH = N 51°07'26" W	AH = N 6°21'52" W	AH = N 3°22'52" W





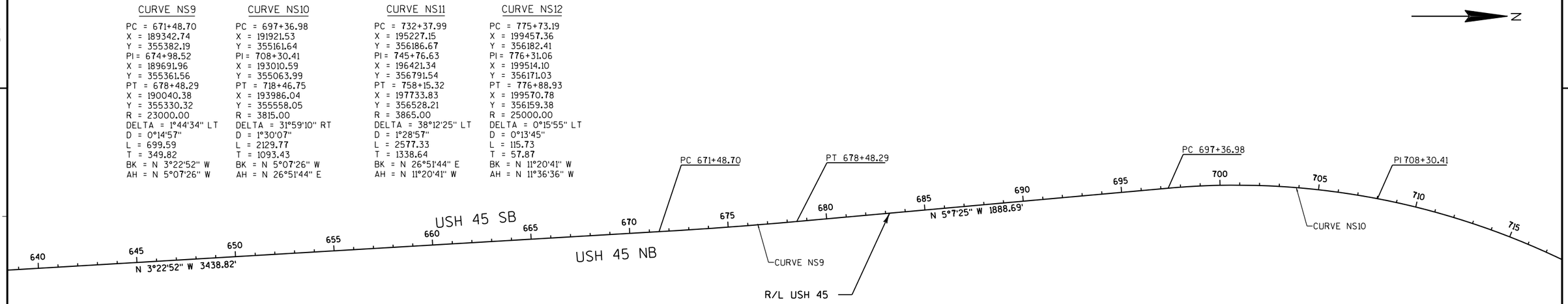
PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT PLAN	SHEET E

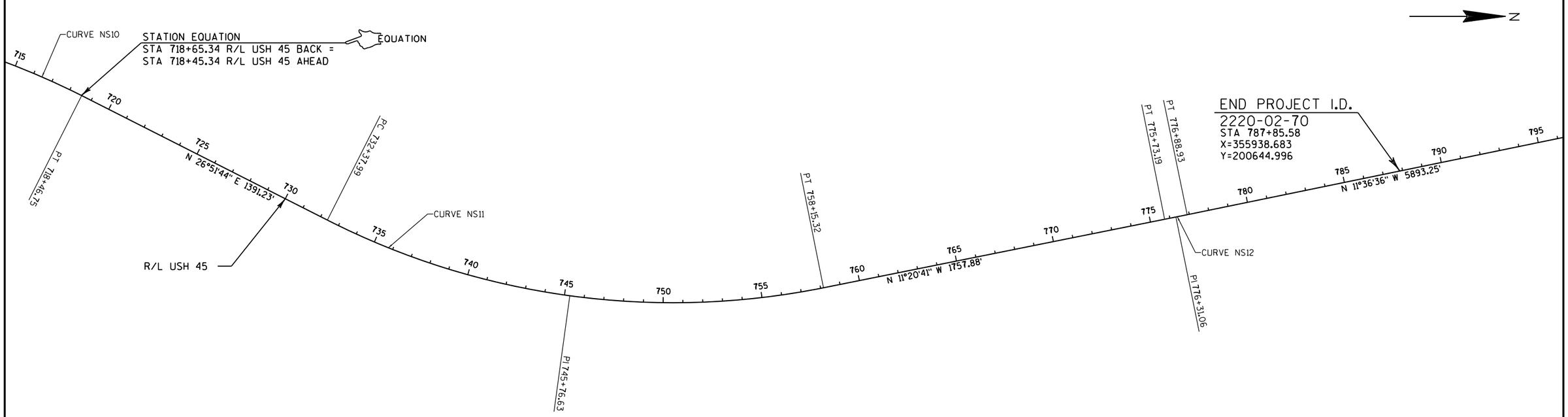
CURVE NS9
PC = 671+48.70
X = 189342.74
Y = 355382.19
PI = 674+98.52
X = 189691.96
Y = 355361.56
PT = 678+48.29
X = 190040.38
Y = 355330.32
R = 23000.00
DELTA = 1°44'34" LT
D = 0°14'57"
L = 699.59
T = 349.82
BK = N 3°22'52" W
AH = N 5°07'26" W

CURVE NS10
PC = 697+36.98
X = 191921.53
Y = 355161.64
PI = 708+30.41
X = 193010.59
Y = 355063.99
PT = 718+46.75
X = 193986.04
Y = 355558.05
R = 3815.00
DELTA = 31°59'10" RT
D = 1°30'07"
L = 2129.77
T = 1093.43
BK = N 5°07'26" W
AH = N 26°51'44" E

CURVE NS11
PC = 732+37.99
X = 195227.15
Y = 356186.67
PI = 745+76.63
X = 196421.34
Y = 356791.54
PT = 758+15.32
X = 197733.83
Y = 356528.21
R = 3865.00
DELTA = 38°12'25" LT
D = 1°28'57"
L = 2577.33
T = 1338.64
BK = N 26°51'44" E
AH = N 11°20'41" W

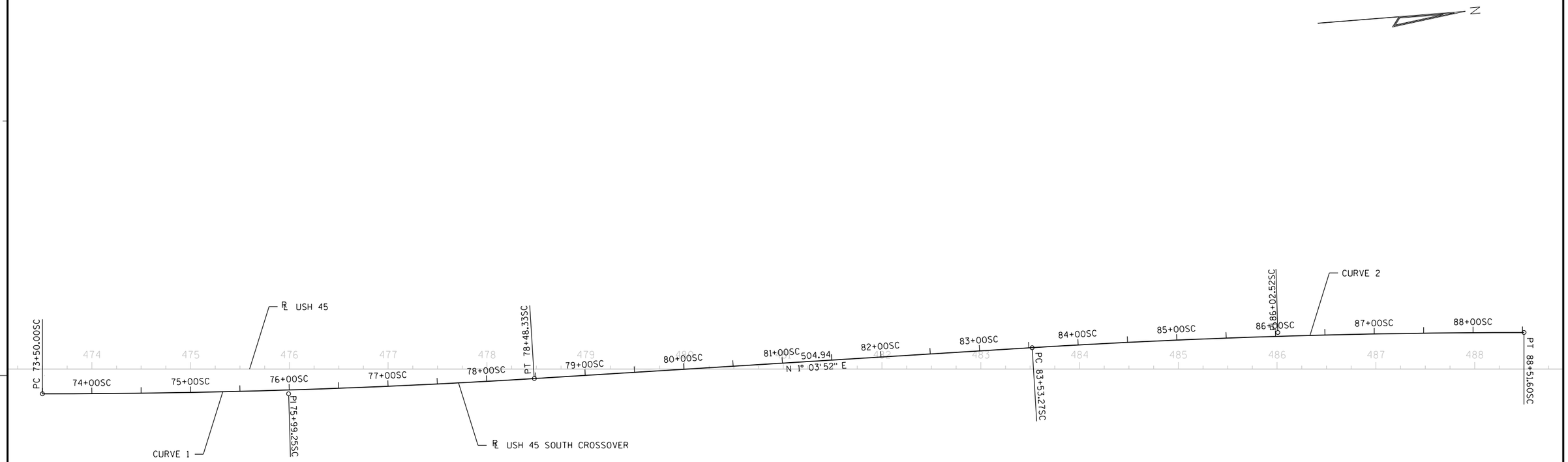
CURVE NS12
PC = 775+73.19
X = 199457.36
Y = 356182.41
PI = 776+31.06
X = 199514.10
Y = 356171.03
PT = 776+88.93
X = 199570.78
Y = 356159.38
R = 25000.00
DELTA = 0°15'55" LT
D = 0°13'45"
L = 115.73
T = 57.87
BK = N 11°20'41" W
AH = N 11°36'36" W





PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT PLAN	SHEET E

2



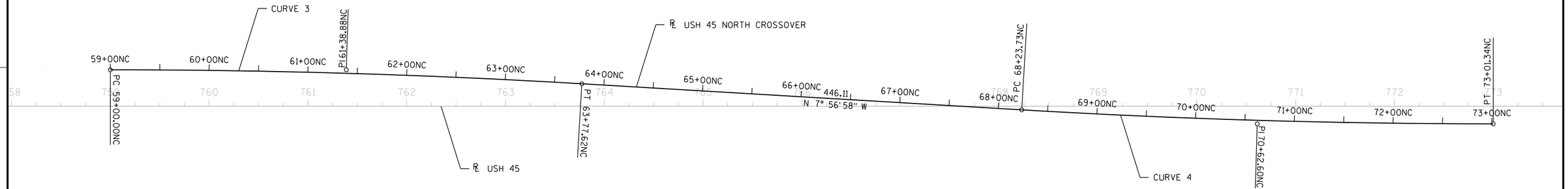
CURVE 1
P.I. = 75+99.25SC
Y = 171,941.69
X = 359,934.17
DELTA = 3° 32' 33" (LT)
D = 0° 42' 39"
T = 249.25'
L = 498.33'
R = 8,060.00'
P.C. = 73+50.00SC
Y = 171,693.25
X = 359,914.15
P.T. = 78+48.33SC
Y = 172,190.89
X = 359,938.80

CURVE 2
P.I. = 86+02.52SC
Y = 172,944.95
X = 359,952.81
DELTA = 3° 32' 33" (RT)
D = 0° 42' 39"
T = 249.24'
L = 498.33'
R = 8,060.00'
P.C. = 83+53.27SC
Y = 172,695.75
X = 359,948.18
P.T. = 88+51.60SC
Y = 173,193.39
X = 359,972.83

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT DETAILS: USH 45 SOUTH CROSSOVER	SHEET E

FILE NAME : L:\Jobs2010\20100347\CAD\WISDOT_Trans\dgn\00\027201_ad.dgn PLOT DATE : 8/28/2019 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



CURVE 3
P.I. = 61+38.88NC
Y = 198,043.79
X = 356,428.28
DELTA = 3° 23' 43" (RT)
D = 0° 42' 39"
T = 238.88'
L = 477.62'
R = 8,060.00'
P.C. = 59+00.00NC
Y = 197,809.58
X = 356,475.27
P.T. = 63+77.62NC
Y = 198,280.37
X = 356,395.25

CURVE 4
P.I. = 70+62.60NC
Y = 198,958.78
X = 356,300.51
DELTA = 3° 23' 43" (LT)
D = 0° 42' 39"
T = 238.88'
L = 477.62'
R = 8,060.00'
P.C. = 68+23.73NC
Y = 198,722.20
X = 356,333.55
P.T. = 73+01.34NC
Y = 199,192.99
X = 356,253.52

PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	ALIGNMENT DETAILS: USH 45 NORTH CROSSOVER	SHEET E

PRE_203

REMOVING GUARDRAIL

STATION	LOCATION	OFFSET	204.0165 REMOVING GUARDRAIL LF	REMARKS
1740+18 - 1742+91	USH 45	NB LT	273	DTA (2)
127+83 - 130+00	USH 45	NB LT	217	DTA (2)
179+58 - 181+62	USH 45	NB LT	205	STB + DTA
180+16 - 181+68	USH 45	NB RT	152	STB + DTA
182+76 - 184+84	USH 45	NB LT	208	STB + DTA
182+82 - 183+51	USH 45	NB RT	62	STB + DTA
232+84 - 234+88	USH 45	NB LT	204	STB + DTA
233+22 - 234+77	USH 45	NB RT	155	STB + DTA
236+63 - 237+31	USH 45	NB RT	68	STB + DTA
236+71 - 238+78	USH 45	NB LT	207	STB + DTA
288+70 - 290+83	USH 45	NB LT	213	DTA (2)
340+16 - 341+77	USH 45	NB RT	161	DTA (2)
341+48 - 344+02	USH 45	NB LT	254	DTA (2)
343+84 - 345+50	USH 45	NB RT	165	DTA (2)
371+67 - 373+28	USH 45	NB RT	163	DTA (2)
420+76 - 422+17	USH 45	NB RT	140	DTA
425+08 - 427+25	USH 45	NB LT	217	DTA (2)
444+73 - 446+33	USH 45	NB RT	161	DTA (2)
451+60 - 453+76	USH 45	NB LT	216	DTA (2)
499+97 - 504+28	USH 45	NB LT	435	STB + DTA
502+33 - 504+39	USH 45	NB RT	207	STB + DTA
506+61 - 507+27	USH 45	NB RT	67	STB + DTA
506+61 - 508+70	USH 45	NB LT	210	STB + DTA
555+57 - 557+65	USH 45	NB LT	208	STB + DTA
557+44 - 558+08	USH 45	NB RT	64	STB + DTA
559+66 - 561+92	USH 45	NB LT	226	STB + DTA
560+03 - 560+71	USH 45	NB RT	67	STB + DTA
579+31 - 581+61	USH 45	NB LT	230	DTA (2)
610+14 - 612+55	USH 45	NB LT	241	DTA (2)
631+13 - 633+18	USH 45	NB LT	205	STB + DTA
631+51 - 633+14	USH 45	NB RT	161	STB + DTA
634+95 - 635+64	USH 45	NB RT	69	STB + DTA
635+00 - 637+22	USH 45	NB LT	222	STB + DTA
651+79 - 654+20	USH 45	NB LT	241	DTA (2)
690+88 - 692+98	USH 45	NB LT	210	STB + DTA
692+16 - 692+85	USH 45	NB RT	69	STB + DTA
694+33 - 694+96	USH 45	NB RT	62	STB + DTA
694+43 - 696+50	USH 45	NB LT	207	STB + DTA
734+10 - 739+12	USH 45	NB RT	505	STB + DTA
737+03 - 739+07	USH 45	NB LT	204	STB + DTA

REMOVING GUARDRAIL

STATION	LOCATION	OFFSET	204.0165 REMOVING GUARDRAIL LF	REMARKS
741+43 - 743+38	USH 45	NB LT	196	STB + DTA
741+50 - 747+39	USH 45	NB RT	599	STB + DTA
1740+19 - 1742+91	USH 45	SB RT	272	DTA (2)
127+83 - 130+02	USH 45	SB RT	219	DTA (2)
182+68 - 184+22	USH 45	SB LT	156	STB + DTA
182+71 - 185+26	USH 45	SB RT	254	STB + DTA
236+81 - 239+35	USH 45	SB RT	255	STB + DTA
236+89 - 238+44	USH 45	SB LT	156	STB + DTA
288+70 - 290+83	USH 45	SB RT	213	DTA (2)
340+85 - 341+85	USH 45	SB LT	100	DTA
341+51 - 344+00	USH 45	SB RT	249	DTA (2)
344+52 - 345+74	USH 45	SB LT	122	DTA
372+37 - 373+31	USH 45	SB LT	94	EAT
420+96 - 421+94	USH 45	SB LT	98	DTA
425+11 - 427+21	USH 45	SB RT	210	DTA (2)
446+42 - 447+36	USH 45	SB LT	94	DTA
451+61 - 453+76	USH 45	SB RT	215	DTA (2)
506+70 - 508+29	USH 45	SB LT	157	STB + DTA
506+70 - 509+26	USH 45	SB RT	258	STB + DTA
559+05 - 560+58	USH 45	SB LT	154	STB + DTA
559+34 - 561+88	USH 45	SB RT	253	STB + DTA
579+34 - 581+61	USH 45	SB RT	227	DTA (2)
581+39 - 582+33	USH 45	SB LT	95	DTA
610+14 - 612+55	USH 45	SB RT	241	DTA (2)
635+01 - 637+55	USH 45	SB RT	236	STB + DTA
635+04 - 636+61	USH 45	SB LT	157	STB + DTA
651+80 - 654+17	USH 45	SB RT	237	DTA (2)
694+56 - 697+09	USH 45	SB RT	253	STB + DTA
694+65 - 696+18	USH 45	SB LT	152	STB + DTA
741+29 - 745+02	USH 45	SB LT	366	STB + DTA
741+33 - 743+92	USH 45	SB RT	258	STB + DTA
1330+31 - 1332+00	CTH PV SE RAMP	RT	167	DTA (2)
1331+09 - 1332+55	CTH PV SW RAMP	LT	147	DTA
PROJECT 2220-02-70 TOTAL			14,411	

REMARKS: STB = STEEL THRIE BEAM STRUCTURE APPROACH
EAT = ENERGY ABSORPTION TERMINAL
DTA = DOWNTURNED ANCHORAGE

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ASPHALTIC APPROACHES AT BRIDGES

STRUCTURES	LOCATION	204.0105 REMOVING PAVEMENT BUTT JOINTS SY	455.0605* TACK COAT GAL	460.7423* HMA PAVEMENT 3 HT 52-28 H TON	690.0250* SAWING CONCRETE LF	REMARKS
B-66-47	USH 45 NB OVER SHERMAN ROAD	116	8	13	52	
B-66-48	USH 45 SB OVER SHERMAN ROAD	160	12	17	48	
B-66-49	USH 45 SB OVER STH 60	255	19	27	52	
B-66-50	USH 45 NB OVER STH 60	121	8	13	48	
B-66-55	USH 45 SB OVER CTH PD	280	21	29	52	
B-66-56	USH 45 NB OVER CTH PD	59	4	6	24	
B-66-59	USH 45 SB OVER CTH PD	280	21	29	52	
B-66-60	USH 45 SB OVER CTH PD	140	11	15	52	
B-66-59	USH 45 SB OVER CTH PD	248	18	26	52	
B-66-60	USH 45 SB OVER CTH D	269	20	28	52	
B-66-63	USH 45 NB OVER CTH D	67	5	7	24	
PROJECT 2220-02-70 TOTAL		1,995	147	210	508	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FINISHING ROADWAY

LOCATION	213.0100 FINISHING ROADWAY PROJECT ID 2220-02-70 EACH
PROJECT 2220-02-70	1
PROJECT 2220-02-70 TOTAL	1

REMOVING DRAINAGE ITEMS

STATION	OFFSET	LOCATION	204.0150 REMOVING CURB & GUTTER LF	204.0220 REMOVING INLETS EACH	204.9060.S.01 REMOVING APRON ENDWALL FOR PIPE UNDERDRAIN EACH	204.9090.S.02 REMOVING UNDERDRAIN LF
560NB+07	58' RT	USH 41 NB	10	1	1	50
633NB+08	58' RT	USH 41 NB	10	1	1	50
649NB+34	58' RT	USH 41 NB	10	1	1	50
786NB+00	20' RT	USH 41 NB	100	--	--	--
PROJECT 2220-02-70 TOTAL			130	3	3	150

MAINTENANCE CROSSOVERS

STATION	LOCATION	OFFSET	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	460.5223* HMA PAVEMENT 3 LT 52-28 S TON
118+35	USH 45	MEDIAN	11	121	37
208+70	USH 45	MEDIAN	11	121	37
268+70	USH 45	MEDIAN	11	121	37
309+65	USH 45	MEDIAN	11	121	37
373+80	USH 45	MEDIAN	11	121	37
477+15	USH 45	MEDIAN	11	121	37
546+45	USH 45	MEDIAN	11	121	37
605+25	USH 45	MEDIAN	11	121	37
669+40	USH 45	MEDIAN	11	121	37
703+30	USH 45	MEDIAN	11	121	37
PROJECT 2220-02-70 TOTAL			110	1,210	370

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

RAMP TAPER ITEMS

STATION #	LOCATION	OFFSET	204.0100* REMOVING PAVEMENT SY	415.0090* CONCRETE PAVEMENT 9-INCH SY	690.0250* SAWING CONCRETE LF	REMARKS
108NB+50 - 109NB+50	USH 45	NB	11	22	102	STH 145 NE Ramp
259NB+30 - 260NB+50	USH 45	NB	13	27	122	STH 60 NE Ramp
368NB+45 - 369NB+55	USH 45	NB	11	23	112	CTH PV NE Ramp
485NB+85 - 486NB+80	USH 45	NB	10	19	97	CTH PD SE Ramp
765NB+10 - 765NB+90	USH 45	NB	8	17	82	CTH D NE RAMP
104SB+20 - 105SB+20	USH 45	SB	11	21	102	STH 145 NW Ramp
213SB+60 - 214SB+85	USH 45	SB	13	27	127	STH 60 SW Ramp
253SB+55 - 254SB+60	USH 45	SB	11	22	107	STH 60 NW Ramp
362SB+80 - 363SB+35	USH 45	SB	5	11	57	CTH PV NW Ramp
482SB+35 - 483SB+35	USH 45	SB	10	21	102	CTH PD SW Ramp
527SB+85 - 528SB+60	USH 45	SB	8	16	77	CTH PD NW Ramp
612SB+00 - 613SB+05	USH 45	SB	11	22	107	STH 33 SW Ramp
650SB+85 - 651SB+90	USH 45	SB	12	23	107	STH 33 NW Ramp
714SB+55 - 715SB+60	USH 45	SB	11	22	107	CTH D SW Ramp
762SB+25 - 763SB+30	USH 45	SB	11	22	107	CTH D NW Ramp
PROJECT 2220-02-70 TOTAL			156	315	1,515	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

\# STATION RANGE AND QUANTITIES APPROXIMATE

PAVEMENT REPAIR

STATION	LOCATION	204.0100* REMOVING PAVEMENT SY	390.0303 BASE PATCHING CONCRETE SY	416.1710 CONCRETE PAVEMENT REPAIR SY	416.1720 CONCRETE PAVEMENT REPLACEMENT SY	690.0250* SAWING CONCRETE LF
UNDISTRIBUTED	USH 45	18,050	8,950	5,050	4,050	25,230
PROJECT 2220-02-70 TOTAL		18,050	8,950	5,050	4,050	25,230

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

AGGREGATE ITEMS

STATION	LOCATION	OFFSET	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	305.0502.S SHAPING ROADWAY STA
1694NB+70 - 1733NB+10	USH 45	NB	633	--	38	--
1733NB+10 - 137NB+00	USH 45	NB	968	--	59	--
137NB+00 - 159NB+00	USH 45	NB	363	--	22	--
159NB+00 - 181NB+90	USH 45	NB	378	--	23	--
182NB+65 235NB+00	USH 45	NB	863	--	52	--
236NB+76 - 289NB+75	USH 45	NB	873	--	53	--
289NB+75 - 342NB+50	USH 45	NB	868	--	53	--
342NB+50 - 375NB+00	USH 45	NB	533	--	33	--
375NB+00 - 386NB+00	USH 45	NB	180	--	11	--
386NB+00 - 412NB+50	USH 45	NB	438	--	27	--
412NB+50 - 427NB+00	USH 45	NB	240	--	15	--
427NB+00 452NB+75	USH 45	NB	423	--	26	--
452NB+75 - 504NB+45	USH 45	NB	850	--	52	--
506NB+65 - 557NB+85	USH 45	NB	843	8,392	51	51
559NB+85 - 580NB+50	USH 45	NB	340	3,908	21	21
580NB+50 - 633NB+11	USH 45	NB	868	9,988	53	53
635NB+05 - 692NB+85	USH 45	NB	950	11,006	58	58
694NB+45 - 739NB+10	USH 45	NB	733	8,502	45	45
741NB+20 - 745NB+10	USH 45	NB	63	--	4	--
745NB+10 - 787NB+86	USH 45	NB	703	600	43	--
1688SB+05 - 1703SB+85	USH 45	SB	260	--	16	--
1707SB+80 - 1732SB+88	USH 45	SB	413	--	25	--
1732SB+88 - 129SB+00	USH 45	SB	853	--	52	--
129SB+00 - 164SB+00	USH 45	SB	578	--	35	--
164SB+00 - 181SB+65	USH 45	SB	290	--	18	--
182SB+60 - 235SB+20	USH 45	SB	868	--	53	--
236SB+70 - 289SB+75	USH 45	SB	873	--	53	--
289SB+75 - 342SB+50	USH 45	SB	868	--	53	--
342SB+50 - 386SB+00	USH 45	SB	718	--	44	--
386SB+00 - 412SB+40	USH 45	SB	433	--	26	--
412SB+60 - 452SB+75	USH 45	SB	660	--	40	--
452SB+75 - 504SB+55	USH 45	SB	853	--	52	--
506SB+55 - 557SB+60	USH 45	SB	840	--	51	--
558SB+85 - 580SB+50	USH 45	SB	358	--	22	--
580SB+50 - 633SB+35	USH 45	SB	870	--	53	--
634SB+90 - 693SB+35	USH 45	SB	963	--	58	--
694SB+45 - 739SB+15	USH 45	SB	738	--	45	--
741SB+05 - 756SB+48	USH 45	SB	253	--	15	--
756SB+48 - 787SB+86	USH 45	SB	518	--	31	--
STH 145 SE RAMP			60	--	4	--

AGGREGATE ITEMS

STATION	LOCATION	OFFSET	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	305.0502.S SHAPING ROADWAY STA
STH 60 NW RAMP			100	--	6	--
STH 60 SW RAMP			40	--	3	--
CTH PV NW RAMP			200	--	12	--
CTH PV SE RAMP			200	4,378	12	--
CTH PV SW RAMP			90	11,318	6	--
CTH PD NE RAMP			243	--	15	--
CTH PD NW RAMP			228	--	14	--
CTH PD SW RAMP			193	--	12	--
STH 33 NE RAMP			193	--	12	--
STH 33 NW RAMP			148	--	9	--
STH 33 SE RAMP			143	--	9	--
STH 33 SW RAMP			148	--	9	--
CTH D NE RAMP			248	--	15	--
CTH D NW RAMP			198	--	12	--
CTH D SE RAMP			180	--	11	--
CTH D SW RAMP			240	--	15	--
UNDISTRIBUTED			2,717	5,809	--	--
PROJECT 2220-02-70 TOTAL			29,886	63,901	1,657	228

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

PAVEMENT ITEMS

STATION	LOCATION	OFFSET	204.0100* REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	415.0090* CONCRETE PAVEMENT 9-INCH SY	420.1000 CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT SY	455.0605* TACK COAT GAL	460.5223* HMA PAVEMENT 3 LT 52-28 S TON	460.7423* HMA PAVEMENT 3 HT 52-28 H TON	460.7424 HMA PAVEMENT 4 HT 52-28 H TON	REMARKS
1694NB+70 - 1733NB+10	USH 45	NB	--	--	15,523	--	--	2,344	--	1,685	2,166	
1733NB+10 - 137NB+00	USH 45	NB	--	8,801	--	--	18,020	--	2,386	--	--	Includes STH 145 NE Ramp
137NB+00 - 159NB+00	USH 45	NB	--	2,200	--	--	--	--	590	--	--	
159NB+00 - 181NB+90	USH 45	NB	--	3,011	--	--	6,001	--	803	--	--	
182NB+65 235NB+00	USH 45	NB	--	7,198	--	--	15,739	--	1,896	--	--	Includes STH 60 SE Ramp
236NB+76 - 289NB+75	USH 45	NB	--	6,802	--	--	16,567	--	1,788	--	--	Includes STH 60 NE Ramp
289NB+75 - 342NB+50	USH 45	NB	--	5,923	--	--	14,059	--	1,572	--	--	
342NB+50 - 375NB+00	USH 45	NB	--	4,980	--	--	12,275	--	1,290	--	--	Includes CTH PV NE Ramp
375NB+00 - 386NB+00	USH 45	NB	--	1,088	--	--	--	--	293	--	--	
386NB+00 - 412NB+50	USH 45	NB	--	--	10,280	--	--	777	--	559	718	
412NB+50 - 427NB+00	USH 45	NB	--	1,525	--	--	--	--	407	--	--	
427NB+00 452NB+75	USH 45	NB	--	3,240	--	--	6,867	--	852	--	--	
452NB+75 - 504NB+45	USH 45	NB	--	7,620	--	--	18,993	--	1,993	--	--	Includes CTH PD SE Ramp
506NB+65 - 557NB+85	USH 45	NB	12,588	4,398	--	12,588	--	--	1,201	--	--	
559NB+85 - 580NB+50	USH 45	NB	5,861	2,038	--	5,861	--	--	549	--	--	
580NB+50 - 633NB+11	USH 45	NB	14,981	5,212	--	14,981	--	--	1,413	--	--	
635NB+05 - 692NB+85	USH 45	NB	16,508	5,605	--	16,508	--	--	1,526	--	--	
694NB+45 - 739NB+10	USH 45	NB	12,754	4,511	--	12,754	--	--	1,225	--	--	
741NB+20 - 745NB+10	USH 45	NB	--	478	--	--	1,052	--	129	--	--	
745NB+10 - 787NB+86	USH 45	NB	--	3,944	--	162	--	--	1,057	--	--	
1688SB+05 - 1703SB+85	USH 45	SB	--	--	6,067	--	--	916	--	658	846	
1707SB+80 - 1732SB+88	USH 45	SB	--	--	13,209	--	--	1,982	--	1,425	1,832	Includes STH 145 SW Ramp
1732SB+88 - 129SB+00	USH 45	SB	--	5,683	--	--	--	--	1,441	1,513	--	Includes STH 145 NW Ramp
129SB+00 - 164SB+00	USH 45	SB	--	4,270	--	--	--	--	1,126	1,182	--	
164SB+00 - 181SB+65	USH 45	SB	--	1,808	--	--	--	--	487	511	--	
182SB+60 - 235SB+20	USH 45	SB	--	5,115	--	--	--	--	1,391	1,461	--	
236SB+70 - 289SB+75	USH 45	SB	--	5,441	--	--	--	--	1,471	1,545	--	
289SB+75 - 342SB+50	USH 45	SB	--	4,689	--	--	--	--	1,274	1,338	--	
342SB+50 - 386SB+00	USH 45	SB	--	4,173	--	--	--	--	1,125	1,181	--	
386SB+00 - 412SB+40	USH 45	SB	--	--	10,341	--	--	781	--	562	722	
412SB+60 - 452SB+75	USH 45	SB	--	4,191	--	--	--	--	1,120	1,176	--	
452SB+75 - 504SB+55	USH 45	SB	--	4,895	--	--	--	--	1,323	1,389	--	
506SB+55 - 557SB+60	USH 45	SB	--	4,410	--	--	--	--	1,200	1,260	--	
558SB+85 - 580SB+50	USH 45	SB	--	2,534	--	--	--	--	685	719	--	
580SB+50 - 633SB+35	USH 45	SB	--	5,935	--	--	--	--	1,652	1,735	--	
634SB+90 - 693SB+35	USH 45	SB	--	5,831	--	--	--	--	1,582	1,661	--	
694SB+45 - 739SB+15	USH 45	SB	--	4,422	--	--	--	--	1,205	1,265	--	
741SB+05 - 756SB+48	USH 45	SB	--	2,053	--	--	--	--	552	580	--	
756SB+48 - 787SB+86	USH 45	SB	--	3,489	--	--	8,792	--	921	967	--	
STH 145 SE RAMP			--	289	--	--	547	--	77	81	--	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

PAVEMENT ITEMS (CONTINUED)

STATION	LOCATION	OFFSET	204.0100* REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	415.0090* CONCRETE PAVEMENT 9-INCH SY	420.1000 CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT SY	455.0605* TACK COAT GAL	460.5223* HMA PAVEMENT 3 LT 52-28 S TON	460.7423* HMA PAVEMENT 3 HT 52-28 H TON	460.7424 HMA PAVEMENT 4 HT 52-28 H TON	REMARKS
STH 60 NW RAMP			--	853	--	--	1,571	--	218	229	--	
STH 60 SW RAMP			--	944	--	--	1,933	--	233	245	--	
CTH PV NW RAMP			--	1,453	--	--	3,310	--	375	394	--	
CTH PV SE RAMP			875	1,523	--	875	2,732	--	284	298	100	Includes Parallel Ramp
CTH PV SW RAMP			1,888	1,714	--	1,888	1,026	95	116	122	310	Includes Parallel Ramp
CTH PD NE RAMP			--	2,319	--	--	5,138	--	589	618	--	
CTH PD NW RAMP			--	1,457	--	--	4,360	--	379	398	--	
CTH PD SW RAMP			--	1,453	--	--	3,567	--	372	391	--	
STH 33 NE RAMP			--	1,646	--	--	3,602	--	421	442	--	
STH 33 NW RAMP			--	1,094	--	--	2,613	--	281	295	--	
STH 33 SE RAMP			--	1,127	--	--	3,067	--	289	303	--	
STH 33 SW RAMP			--	1,365	--	--	3,102	--	348	365	--	
CTH D NE RAMP			--	1,708	--	--	3,906	--	442	464	--	
CTH D NW RAMP			--	1,262	--	--	3,118	--	333	350	--	
CTH D SE RAMP			--	1,231	--	--	2,817	--	319	335	--	
CTH D SW RAMP			--	1,549	--	--	3,511	--	398	418	--	
PROJECT 2220-02-70 TOTAL			65,455	170,500	55,420	65,617	168,285	6,895	44,999	30,120	6,694	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE PAVEMENT APPROACH SLABS & CONCRETE SURFACE DRAINS

STATION	LOCATION	OFFSET	415.0070 CONCRETE PAVEMENT 7-INCH SY	416.0050 CONCRETE PAVEMENT APPROACH SLAB SY	416.1010 CONCRETE SURFACE DRAINS CY	521.1012 APRON ENDWALS FOR CULVERT PIPE STEEL 12-INCH EACH	611.3220 INLETS 2X2 EACH	611.0654 INLET COVERS TYPE V EACH	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	NOTE
506+48 - 506+65	USH 45	NB	33	48	--	--	--	--	--	B-66-56
557+78 - 558+03	USH 45	NB	38	74	--	--	--	--	--	B-66-58
559+72 - 559+97	USH 45	NB	32	75	5.2	1	1	1	50	B-66-58
663+11 - 663+27	USH 45	NB	20	47	4.9	1	1	1	50	B-66-62
634+89 - 635+05	USH 45	NB	32	47	--	--	--	--	--	B-66-62
692+85 - 693+03	USH 45	NB	39	55	--	--	--	--	--	B-66-64
694+28 - 694+47	USH 45	NB	15	54	4.4	1	1	1	50	B-66-64
739+09 - 739+27	USH 45	NB	36	53	--	--	--	--	--	B-66-66
PROJECT 2220-02-70 TOTAL			245	453	14.5	3	3	3	150	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

RUMBLE STRIPS

STATION	LOCATION	OFFSET	416.1110 CONCRETE SHOULDER RUMBLE STRIP LF	465.0400 ASPHALTIC SHOULDER RUMBLE STRIP LF
1694NB+70 - 1722NB+25	USH 45	NB RT	--	2,755
1732NB+40 - 1751NB+60	USH 45	NB RT	--	1,920
103NB+00 137NB+00	USH 45	NB RT	--	3,400
137NB+00 - 159NB+00	USH 45	NB RT	2,200	--
159NB+00 - 181NB+75	USH 45	NB RT	--	2,275
182NB+85 - 216NB+00	USH 45	NB RT	--	3,315
224NB+65 - 234NB+85	USH 45	NB RT	--	1,020
236NB+65 - 245NB+15	USH 45	NB RT	--	850
253NB+75 - 320NB+65	USH 45	NB RT	--	6,690
331NB+00 - 354NB+85	USH 45	NB RT	--	2,385
360NB+25 - 412NB+50	USH 45	NB RT	--	5,225
412NB+50 - 427NB+00	USH 45	NB RT	1,450	--
427NB+00 485NB+50	USH 45	NB RT	--	5,850
494NB+05 - 504NB+35	USH 45	NB RT	--	1,030
506NB+65 - 519NB+60	USH 45	NB RT	1,295	--
527NB+75 - 534NB+70	USH 45	NB RT	--	695
534NB+70 - 557NB+75	USH 45	NB RT	2,305	--
560NB+00 - 615NB+00	USH 45	NB RT	5,500	--
624NB+85 - 633NB+10	USH 45	NB RT	825	--
635NB+10 - 646NB+00	USH 45	NB RT	1,090	--
653NB+00 - 659NB+05	USH 45	NB RT	--	605
659NB+05 - 692NB+85	USH 45	NB RT	3,380	--
694NB+45 - 722NB+25	USH 45	NB RT	2,780	--
730NB+85 - 739NB+10	USH 45	NB RT	825	--
741NB+40 - 745NB+10	USH 45	NB RT	--	370
745NB+10 - 755NB+10	USH 45	NB RT	1,000	--
761NB+50 - 765NB+85	USH 45	NB RT	--	435
765NB+85 - 783NB+65	USH 45	NB RT	1,780	--
1694NB+70 - 1756NB+95	USH 45	NB LT	--	6,225
102NB+02 - 181NB+65	USH 45	NB LT	--	7,963
182NB+75 - 234NB+90	USH 45	NB LT	--	5,215
236NB+70 - 504NB+35	USH 45	NB LT	--	26,765
506NB+65 - 557NB+75	USH 45	NB LT	--	5,110
559NB+90 - 633NB+10	USH 45	NB LT	--	7,320
635NB+10 - 692NB+85	USH 45	NB LT	--	5,775
694NB+45 - 739NB+10	USH 45	NB LT	--	4,465
741NB+30 - 783NB+00	USH 45	NB LT	--	4,170
1688SB+05 - 1703SB+20	USH 45	SB RT	--	1,515
1703SB+90 - 1756NB+95	USH 45	SB RT	--	5,305
102SB+02 - 181NB+60	USH 45	SB RT	--	7,958

RUMBLE STRIPS

STATION	LOCATION	OFFSET	416.1110 CONCRETE SHOULDER RUMBLE STRIP LF	465.0400 ASPHALTIC SHOULDER RUMBLE STRIP LF
182SB+75 - 235SB+00	USH 45	SB RT	--	5,225
236SB+80 - 504SB+40	USH 45	SB RT	--	26,760
506SB+60 - 557SB+45	USH 45	SB RT	--	5,085
559SB+35 - 633SB+25	USH 45	SB RT	--	7,390
635SB+00 - 693SB+10	USH 45	SB RT	--	5,810
694SB+55 - 739SB+05	USH 45	SB RT	--	4,450
741SB+25 - 785SB+50	USH 45	SB RT	--	4,425
1688SB+05 - 1703SB+75	USH 45	SB LT	--	1,570
1708SB+35 - 1723SB+75	USH 45	SB LT	--	1,540
1730SB+35 - 1751SB+20	USH 45	SB LT	--	2,085
106SB+20 - 164SB+00	USH 45	SB LT	--	5,780
164SB+00 - 181SB+55	USH 45	SB LT	1,755	--
182SB+70 - 213SB+60	USH 45	SB LT	3,090	--
213SB+60 - 219SB+00	USH 45	SB LT	--	540
227SB+35 - 235SB+05	USH 45	SB LT	770	--
255SB+50 - 323SB+00	USH 45	SB LT	6,750	--
323SB+00 - 329SB+00	USH 45	SB LT	--	600
332SB+25 - 354SB+45	USH 45	SB LT	2,220	--
364SB+25 - 386SB+00	USH 45	SB LT	2,175	--
386SB+00 - 412SB+40	USH 45	SB LT	--	2,640
412SB+60 - 482SB+35	USH 45	SB LT	6,975	--
482SB+35 - 487SB+00	USH 45	SB LT	--	465
506SB+65 - 520SB+60	USH 45	SB LT	1,395	--
529SB+50 - 557SB+25	USH 45	SB LT	2,775	--
559SB+15 - 612SB+05	USH 45	SB LT	5,290	--
612SB+05 - 617SB+00	USH 45	SB LT	--	495
625SB+10 - 633SB+25	USH 45	SB LT	815	--
652SB+75 - 693SB+20	USH 45	SB LT	4,045	--
694SB+65 - 714SB+55	USH 45	SB LT	1,990	--
714SB+55 - 718SB+75	USH 45	SB LT	--	420
741SB+15 - 754SB+00	USH 45	SB LT	1,285	--
764SB+25 - 787SB+00	USH 45	SB LT	--	2,275
PROJECT 2220-02-70 TOTAL			65,760	204,161

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ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

DRILLED DOWEL & TIE BARS

STATION	LOCATION	OFFSET	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	REMARK
108NB+49 - 109NB+47	USH 45	NB	33	1	RAMP TAPER
259NB+32 - 260NB+52	USH 45	NB	40	1	RAMP TAPER
321NB+46 - 328NB+53	USH 45	NB	236	13	PARALLEL RAMP
368NB+47 - 369NB+53	USH 45	NB	35	1	RAMP TAPER
485NB+92 - 486NB+79	USH 45	NB	29	1	RAMP TAPER
525NB+74 - 534NB+69	USH 45	NB	298	1	NEW PAVEMENT WITH EXISTING RAMP
616NB+57 - 622NB+47	USH 45	NB	197	1	NEW PAVEMENT WITH EXISTING RAMP
650NB+57 - 659NB+03	USH 45	NB	282	2	NEW PAVEMENT WITH EXISTING RAMP
724NB+03 - 729NB+73	USH 45	NB	190	1	NEW PAVEMENT WITH EXISTING RAMP
765NB+13 - 765NB+89	USH 45	NB	25	1	RAMP TAPER
784NB+08 - 786NB+56	USH 45	NB	83	--	LEFT TURN LANE EXTENSION
104SB+24 - 105SB+21	USH 45	SB	32	1	RAMP TAPER
213SB+62 - 214SB+83	USH 45	SB	40	1	RAMP TAPER
253SB+54 - 254SB+54	USH 45	SB	33	1	RAMP TAPER
322SB+75 - 330SB+27	USH 45	SB	251	--	PARALLEL RAMP
362SB+82 - 363SB+31	USH 45	SB	16	1	RAMP TAPER
482SB+34 - 483SB+28	USH 45	SB	31	1	RAMP TAPER
527SB+88 - 528SB+60	USH 45	SB	24	1	RAMP TAPER
613SB+03 - 614SB+01	USH 45	SB	33	1	RAMP TAPER
650SB+85 - 651SB+89	USH 45	SB	35	1	RAMP TAPER
714SB+55 - 715SB+53	USH 45	SB	33	1	RAMP TAPER
762SB+26 - 763SB+27	USH 45	SB	34	1	RAMP TAPER
1337SB+32	USH 45	SB	--	13	PARALLEL RAMP MATCH
UNDISTRIBUTED			396	7,608	CONCRETE BASE PATCHING
UNDISTRIBUTED			--	9,504	CONCRETE PAVEMENT REPAIR
UNDISTRIBUTED			591	1,776	CONCRETE PAVEMENT REPLACEMENT
PROJECT 2220-02-70 TOTAL			2,997	18,934	

CONCRETE CURB & GUTTER

STATION	OFFSET	LOCATION	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF
784NB+08 - 786NB+56	RT	USH 45 NB	248
PROJECT 2220-02-70 TOTAL			248

FENCE SAFETY

LOCATION	616.0700.S FENCE SAFETY LF
UNDISTRIBUTED	2,000
PROJECT 2220-02-70 TOTAL	2,000

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

BEAM GUARD

STATION	LOCATION	OFFSET	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
178NB+80 - 181NB+58	USH 45	NB LT	--	--	187.5	39.4	1	--
180NB+61 - 181NB+64	USH 45	NB RT	--	--	12.5	39.4	1	--
232NB+22 - 234NB+87	USH 45	NB LT	--	--	175.0	39.4	1	--
233NB+74 - 234NB+77	USH 45	NB RT	--	--	12.5	39.4	1	--
236NB+65 - 237NB+23	USH 45	NB RT	--	--	50.0	8.2	--	1
338NB+20 - 344NB+86	USH 45	NB RT	--	--	612.5	--	1	1
370NB+00 - 372NB+52	USH 45	NB RT	--	--	200.0	--	1	1
419NB+96 - 422NB+24	USH 45	NB RT	--	--	175.0	--	1	1
443NB+21 - 446NB+37	USH 45	NB RT	--	--	262.5	--	1	1
499NB+03 - 504NB+37	USH 45	NB RT	--	--	450.0	39.4	1	--
501NB+23 - 504NB+37	USH 45	NB LT	--	--	225.0	39.4	1	--
506NB+58 - 508NB+55	USH 45	NB RT	--	--	187.5	8.2	--	1
554NB+70 - 557NB+73	USH 45	NB LT	--	--	212.5	39.4	1	--
557NB+05 - 558NB+08	USH 45	NB RT	--	--	12.5	39.4	1	--
630NB+40 - 633NB+18	USH 45	NB LT	--	--	187.5	39.4	1	--
632NB+09 - 633NB+12	USH 45	NB RT	--	--	12.5	39.4	1	--
688NB+19 - 692NB+84	USH 45	NB RT	--	--	375.0	39.4	1	--
690NB+20 - 692NB+98	USH 45	NB LT	--	--	187.5	39.4	1	--
694NB+34 - 696NB+54	USH 45	NB RT	--	--	212.5	8.2	--	1
733NB+54 - 739NB+24	USH 45	NB RT	--	--	487.5	39.4	1	--
735NB+95 - 739NB+09	USH 45	NB LT	--	--	225.0	39.4	1	--
741NB+45 - 747NB+48	USH 45	NB RT	--	--	600.0	8.2	--	1
1740NB+48 - 1742NB+56	USH 45	MEDIAN	2	200	--	--	--	--
128NB+07 - 129NB+77	USH 45	MEDIAN	2	125	--	--	--	--
288NB+93 - 290NB+62	USH 45	MEDIAN	2	125	--	--	--	--
341NB+68 - 343NB+75	USH 45	MEDIAN	2	200	--	--	--	--
425NB+26 - 426NB+95	USH 45	MEDIAN	2	125	--	--	--	--
451NB+83 - 453NB+52	USH 45	MEDIAN	2	125	--	--	--	--
579NB+59 - 581NB+40	USH 45	MEDIAN	2	150	--	--	--	--
610NB+35 - 612NB+29	USH 45	MEDIAN	2	175	--	--	--	--
652NB+02 - 653NB+96	USH 45	MEDIAN	2	175	--	--	--	--
182SB+73 - 183SB+76	USH 45	SB LT	--	--	12.5	39.4	1	--
182SB+78 - 185SB+70	USH 45	SB RT	--	--	200.0	39.4	1	--
236SB+82 - 239SB+47	USH 45	SB RT	--	--	175.0	39.4	1	--
236SB+92 - 238SB+83	USH 45	SB LT	--	--	100.0	39.4	1	--
340SB+83 - 347SB+49	USH 45	SB LT	--	--	612.5	--	1	1
372SB+33 - 374SB+75	USH 45	SB LT	--	--	187.5	--	1	1
421SB+03 - 423SB+32	USH 45	SB LT	--	--	175.0	--	1	1
446SB+30 - 448SB+96	USH 45	SB LT	--	--	212.5	--	1	1
506SB+67 - 508SB+70	USH 45	SB RT	--	--	112.5	39.4	1	--
506SB+71 - 508SB+65	USH 45	SB LT	--	--	100.0	39.4	1	--
559SB+05 - 564SB+38	USH 45	SB LT	--	--	450.0	39.4	1	--
559SB+41 - 562SB+68	USH 45	SB RT	--	--	237.5	39.4	1	--
581SB+46 - 583SB+46	USH 45	SB LT	--	--	150.0	--	1	1
635SB+03 - 637SB+56	USH 45	SB RT	--	--	162.5	39.4	1	--
635SB+08 - 637SB+98	USH 45	SB LT	--	--	200.0	39.4	1	--
694SB+57 - 697SB+35	USH 45	SB RT	--	--	187.5	39.4	1	--
694SB+70 - 697SB+48	USH 45	SB LT	--	--	187.5	39.4	1	--
741SB+19 - 748SB+07	USH 45	SB LT	--	--	587.5	39.4	1	--
741SB+78 - 743SB+57	USH 45	SB RT	--	--	137.5	39.4	1	--
1328SER+59 - 1331SER+40	CTH PV SE RAMP	RT	--	--	225.0	--	1	1
1331SWR+01 - 1333SWR+95	CTH PV SW RAMP	LT	--	--	237.5	--	1	1
PROJECT 2220-02-70 TOTAL			18	1,400	9,712.5	1,136.0	39	15

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

MAINTENANCE AND REPAIR OF

LOCATION	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS PROJECT I.D.2220-02-70 EACH
PROJECT 2220-02-70	1
PROJECT 2220-02-70 TOTAL	1

MOBILIZATION

LOCATION	619.1000 MOBILIZATION EACH
PROJECT 2220-02-70	1
PROJECT 2220-02-70 TOTAL	1

PAVEMENT MARKING

LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (12.5' LINE 37.5 SPACE) (WHITE) LF	646.3545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE) LF	646.5020 MARKING ARROWS EPOXY EACH	646.5120 MARKING WORDS EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.7220 PAVEMENT CHEVRON EPOXY 24-INCH (WHITE) LF
USH 45 MAINLINE	148,300	148,300	23,350	37,075	--	--	--	--	--
USH 45 RAMPS	20,600	20,600	1,500	175	1,693	9	8	140	1,606
PROJECT 2220-02-70 TOTAL	168,900	168,900	24,850	37,250	1,693	9	8	140	1,606
	337,800								

FIELD OFFICE TYPE D

LOCATION	642.5401 FIELD OFFICE TYPE D EACH
PROJECT 2220-02-70	1
PROJECT 2220-02-70 TOTAL	1

SURVEY PROJECT

LOCATION	SPV.0105.01 SURVEY PROJECT ID 2220-02-70 LS
PROJECT 2220-02-70	1
PROJECT 2220-02-70 TOTAL	1

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

INLETS

STATION	TO	STATION	LOCATION	611.0430 RECONSTRUCTING INLETS EACH	611.9710 SALVAGED INLET COVERS EACH	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7504 TEMPORARY DITCH CHECKS LF	633.5200 MARKERS CULVERT END EACH	REMARKS
118+67	-	182+00	USH 45 MEDIAN	9	10	9	9	700	9	INLET MEDIAN 2-GRATE = 1
182+00	-	236+00	USH 45 MEDIAN	7	8	7	7	400	7	INLET MEDIAN 2-GRATE = 1
236+00	-	290+00	USH 45 MEDIAN	7	10	7	7	440	7	INLET MEDIAN 2-GRATE = 3
290+00	-	343+00	USH 45 MEDIAN	6	8	6	6	300	6	INLET MEDIAN 2-GRATE = 2
343+00	-	426+00	USH 45 MEDIAN	9	12	9	9	380	9	INLET MEDIAN 2-GRATE = 3
426+00	-	506+00	USH 45 MEDIAN	7	8	7	7	460	7	INLET MEDIAN 2-GRATE = 1
506+00	-	559+00	USH 45 MEDIAN	4	7	4	4	200	4	INLET MEDIAN 2-GRATE = 3
559+00	-	634+00	USH 45 MEDIAN	9	10	9	9	280	9	INLET MEDIAN 2-GRATE = 1
634+00	-	669+00	USH 45 MEDIAN	4	5	4	4	240	4	INLET MEDIAN 2-GRATE = 1
			TOTAL 0010	62	78	62	62	3400	62	

PIPE UNDERDRAIN

STATION	TO	STATION	LOCATION	612.0204 PIPE UNDERDRAIN UNPERFORATED 4-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	612.0804 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 4-INCH EACH	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	646.5520 MARKING OUTFALL EPOXY EACH	SPV.0060.01 CONNECTING PIPE UNDERDRAIN TO EXISTING INLETS EACH	REMARKS
118+67	-	181+00	USH 45 MEDIAN	200	200	4	4	8	9	PENDING SS SURVEY
183+59	-	208+26	USH 45 MEDIAN	150	150	3	3	6	2	PENDING SS SURVEY
209+07	-	234+59	USH 45 MEDIAN	150	150	3	3	6	3	PENDING SS SURVEY
237+09	-	268+28	USH 45 MEDIAN	150	150	3	3	6	4	PENDING SS SURVEY
269+07	-	309+25	USH 45 MEDIAN	150	150	3	3	6	6	PENDING SS SURVEY
310+06	-	372+46	USH 45 MEDIAN	300	300	6	6	12	7	PENDING SS SURVEY
373+23	-	476+76	USH 45 MEDIAN	450	450	9	9	18	12	PENDING SS SURVEY
477+25	-	502+60	USH 45 MEDIAN	150	150	3	3	6	3	PENDING SS SURVEY
508+08	-	546+10	USH 45 MEDIAN	250	250	5	5	10	3	PENDING SS SURVEY
546+92	-	556+03	USH 45 MEDIAN	50	50	1	1	2	1	PENDING SS SURVEY
561+29	-	604+85	USH 45 MEDIAN	250	250	5	5	10	4	PENDING SS SURVEY
605+64	-	631+30	USH 45 MEDIAN	100	100	2	2	4	4	PENDING SS SURVEY
637+05	-	669+00	USH 45 MEDIAN	150	150	3	3	6	4	PENDING SS SURVEY
			UNDISTRIBUTED	1000	1000	10	10	20		PENDING SS SURVEY
			TOTAL 0010	3500	3500	60	60	120	62	

3

CABLE BARRIER

STATION	TO	STATION	LOCATION	613.1100.S CABLE BARRIER TYPE 1 LF	613.1200.S CABLE BARRIER END TERMINAL TYPE 1 EACH	REMARKS
118+67	-	181+00	USH 45 LT	6,233	2	SEE PLANS FOR LOCATIONS
183+59	-	208+26	USH 45 RT	2,467	2	SEE PLANS FOR LOCATIONS
209+07	-	234+59	USH 45 RT	2,552	2	SEE PLANS FOR LOCATIONS
237+09	-	268+28	USH 45 LT	3,119	2	SEE PLANS FOR LOCATIONS
269+07	-	309+25	USH 45 LT	4,018	2	SEE PLANS FOR LOCATIONS
310+06	-	372+46	USH 45 RT	6,240	2	SEE PLANS FOR LOCATIONS
373+23	-	476+76	USH 45 LT	10,353	2	SEE PLANS FOR LOCATIONS
477+25	-	502+60	USH 45 RT	2,535	2	SEE PLANS FOR LOCATIONS
508+08	-	546+10	USH 45 RT	3,802	2	SEE PLANS FOR LOCATIONS
546+92	-	556+03	USH 45 LT	911	2	SEE PLANS FOR LOCATIONS
561+29	-	604+85	USH 45 LT	4,356	2	SEE PLANS FOR LOCATIONS
605+64	-	631+30	USH 45 LT	2,566	2	SEE PLANS FOR LOCATIONS
637+05	-	669+00	USH 45 LT	3,195	2	SEE PLANS FOR LOCATIONS
			TOTAL 0010	52,347	26	

3

LANDSCAPING

STATION	TO	STATION	LOCATION	208.0100 BORROW CY	625.0100 TOPSOIL SY	628.2004 EROSION MAT CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	REMARKS
118+67	-	181+00	USH 45 MEDIAN	3,232	19,392	19,392	17	474	
183+59	-	208+26	USH 45 MEDIAN	1,280	7,676	7,676	7	188	
209+07	-	234+59	USH 45 MEDIAN	1,324	7,940	7,940	7	194	
237+09	-	268+28	USH 45 MEDIAN	1,618	9,704	9,704	9	238	
269+07	-	309+25	USH 45 MEDIAN	2,084	12,501	12,501	11	306	
310+06	-	372+46	USH 45 MEDIAN	3,236	19,414	19,414	17	475	
373+23	-	476+76	USH 45 MEDIAN	5,369	32,210	32,210	28	787	
477+25	-	502+60	USH 45 MEDIAN	1,315	7,887	7,887	7	193	
508+08	-	546+10	USH 45 MEDIAN	1,972	11,829	11,829	11	289	
546+92	-	556+03	USH 45 MEDIAN	473	2,835	2,835	3	70	
561+29	-	604+85	USH 45 MEDIAN	2,259	13,552	13,552	12	332	
605+64	-	631+30	USH 45 MEDIAN	1,331	7,984	7,984	7	196	
637+05	-	669+00	USH 45 MEDIAN	1,657	9,940	9,940	9	243	
			UNDISTRIBUTED		--	--	10	400	
			TOTAL 0010	27,150	162,864	162,864	153	4,382	

NOTES:
TOPSOIL & EROSION MAT WIDTH = 28-FT
FERTILIZER AND SEEDING WIDTH = 38-FT

3

TRAFFIC CONTROL

STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	REMARKS
118+67	-	181+00	USH 45 LT	352	32	64	136	16	96	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
183+59	-	234+34	USH 45 RT	344	16	32	136	16	80	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
237+26	-	268+28	USH 45 LT	360	16	32	136	16	80	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
269+07	-	309+25	USH 45 LT	352	32	64	136	16	96	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
310+06	-	372+46	USH 45 RT	328	16	32	136	16	80	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
373+23	-	425+25	USH 45 LT	336	16	32	136	16	80	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
424+50	-	476+76	USH 45 LT	344	32	64	136	16	96	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
477+25	-	502+50	USH 45 RT	352	16	32	136	16	112	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
508+08	-	545+10	USH 45 RT	360	48	96	136	16	96	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
556+03	-	604+85	USH 45 LT	328	32	64	136	16	80	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
605+64	-	631+30	USH 45 LT	336	16	32	136	16	80	16	SEE S.D.D. TRAFFIC CONTROL LANE CLOSURE
			TOTAL 0010	3792	272	544	1496	176	976	176	

3

CROSSOVERS

LOCATION	205.0100* EXCAVATION COMMON CY	208.0100* BORROW CY	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110* BREAKER RUN TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	522.0512 CULVERT PIPE REINFORCED CONCRETE CLASS V 12-INCH LF
STA 473+50 - 488+50	2,250	50	240	1,600	1,950	464	58
STA 759+00 - 773+00	2,250	50	240	1,600	1,950	464	
PROJECT TOTALS	4,500	100	480	3,200	3,900	928	58

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

WATER

STREET	FROM		TO	624.0100* MGAL
USH 45	1694+70	-	787+86	193
UNDISTRIBUTED				48
	PROJECT TOTAL			240

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TOPSOIL

STREET	FROM		TO	TOPSOIL 625.0100 SY	SALVAGED TOPSOIL 625.0500 SY
USH 45	1694+70	-	787+86	6,435	18,308
UNDISTRIBUTED				578	5201
			PROJECT TOTAL	7013	23509

TEMPORARY SETTLING BASINS

STREET	628.1104 EROSION BALES EACH	645.0120 GEOTEXTILE TYPE HR SY
UNDISTRIBUTED	50	150
PROJECT TOTALS	50	150

SILT FENCE

STREET	FROM	TO	STATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	SPV.0090.01 HEAVY DUTY SILT FENCE LF
USH 45	1694+70	-	787+86	100182	100182	417
UNDISTRIBUTED				20,036	20,036	83
			PROJECT TOTAL	120,218	120,218	500

3

EROSION CONTROL MOBILIZATIONS

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
PROJECT 2220-02-70	8	4
PROJECT TOTAL	8	4

EROSION MATTING

STREET	FROM		TO	628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY
USH 45	1694+70	-	787+86	4,220	17,966
UNDISTRIBUTED				844	3593
			PROJECT TOTAL	5064	21559

3

DITCH CHECKS

STREET	FROM		TO	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
USH 45	1694+70	-	787+86	483	35	417
UNDISTRIBUTED				97	7	83
			PROJECT TOTAL	580	42	500

INLET PROTECTION

STREET	FROM		TO	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
USH 45	1694+70	-	787+86	14	13	2
UNDISTRIBUTED				--	--	--
			PROJECT TOTAL	14	13	2

TRACKING PADS

STREET	628.7560 EACH
USH 45	6
PROJECT TOTAL	6

SEEDING QUANTITIES

STREET	FROM		TO	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB
USH 45	1694+70	-	787+86	1.9	51	26
UNDISTRIBUTED				0.1	3	1
			PROJECT TOTAL	2.0	54	27

3

TRAFFIC CONTROL

LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS LS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS LS	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES LS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS DAY
TWO LANE FULL CLOSURE	2,400		120			240	840	64	400
LANE CLOSURE (4 MILES)	10,330	2	1,180			2,360	1,318	176	2,500
SHERMAN ROAD	270						252	10	60
NB CLOSURE	8,000		600	575	575	1,200	1,740	100	1,540
DETOUR									4,000
UNDISTRIBUTED									
PROJECT TOTALS	21,000	2	1,900	575	575	3,800	4,150	350	8,500

3

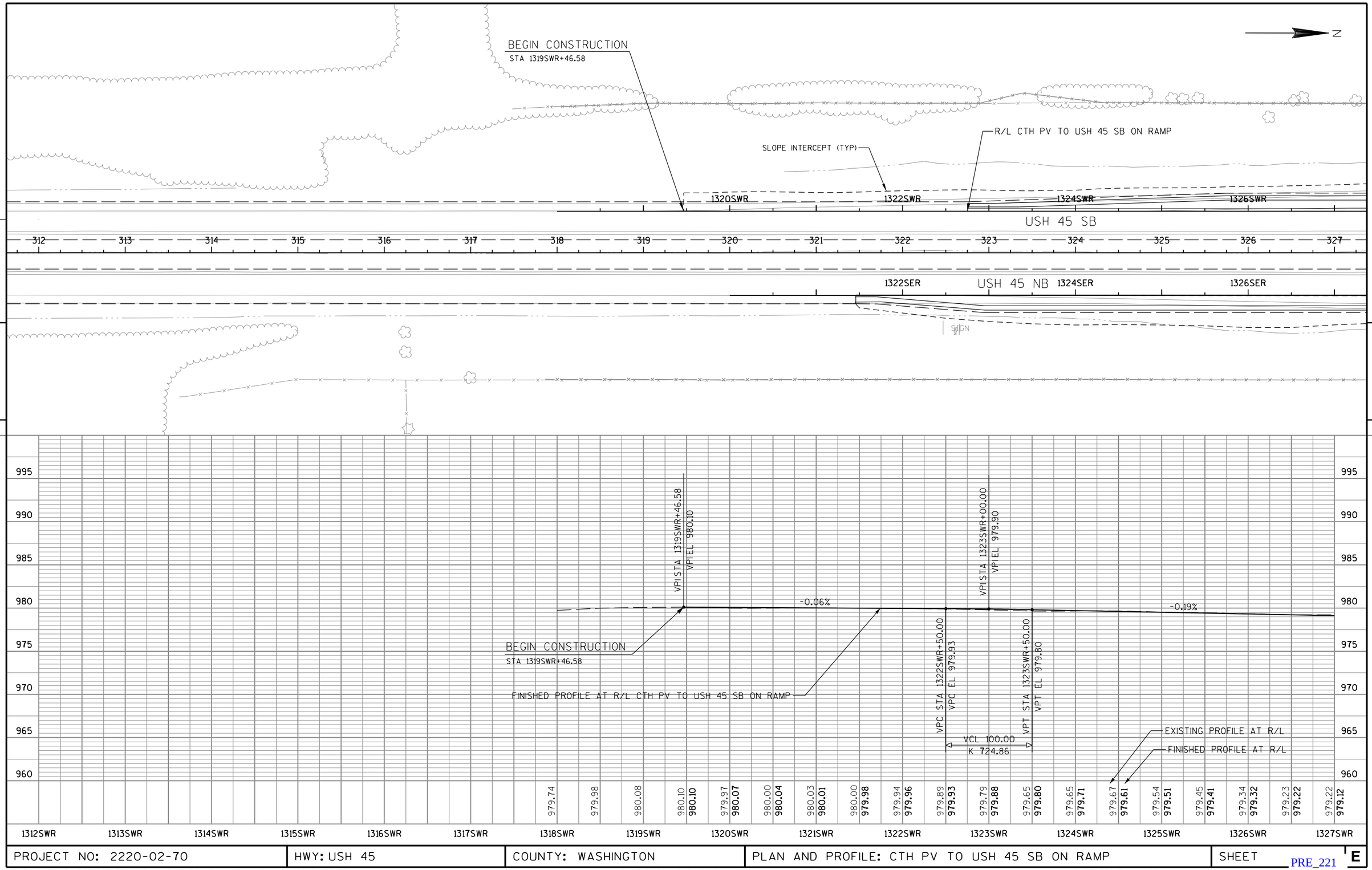
TRAFFIC CONTROL

LOCATION	205.3000.S TEMPORARY EMERGENCY PULLOUTS EACH	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1000 TRAFFIC CONTROL FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY	643.1100.S DYNAMIC LATE MERGE SYSTEM DAY	643.4100.S TRAFFIC CONTROL ITERIM LANE CLOSURE EACH	643.5000 TRAFFIC CONTROL EACH
TWO LANE FULL CLOSURE							1,500			
LANE CLOSURE (4 MILES)									100	
SHERMAN ROAD										
NB CLOSURE	3	2		32						
DETOUR				470						
UNDISTRIBUTED			15		60	20		6		1
PROJECT TOTALS	3	2	15	502	60	20	1,500	6	100	1

3

TRAFFIC CONTROL

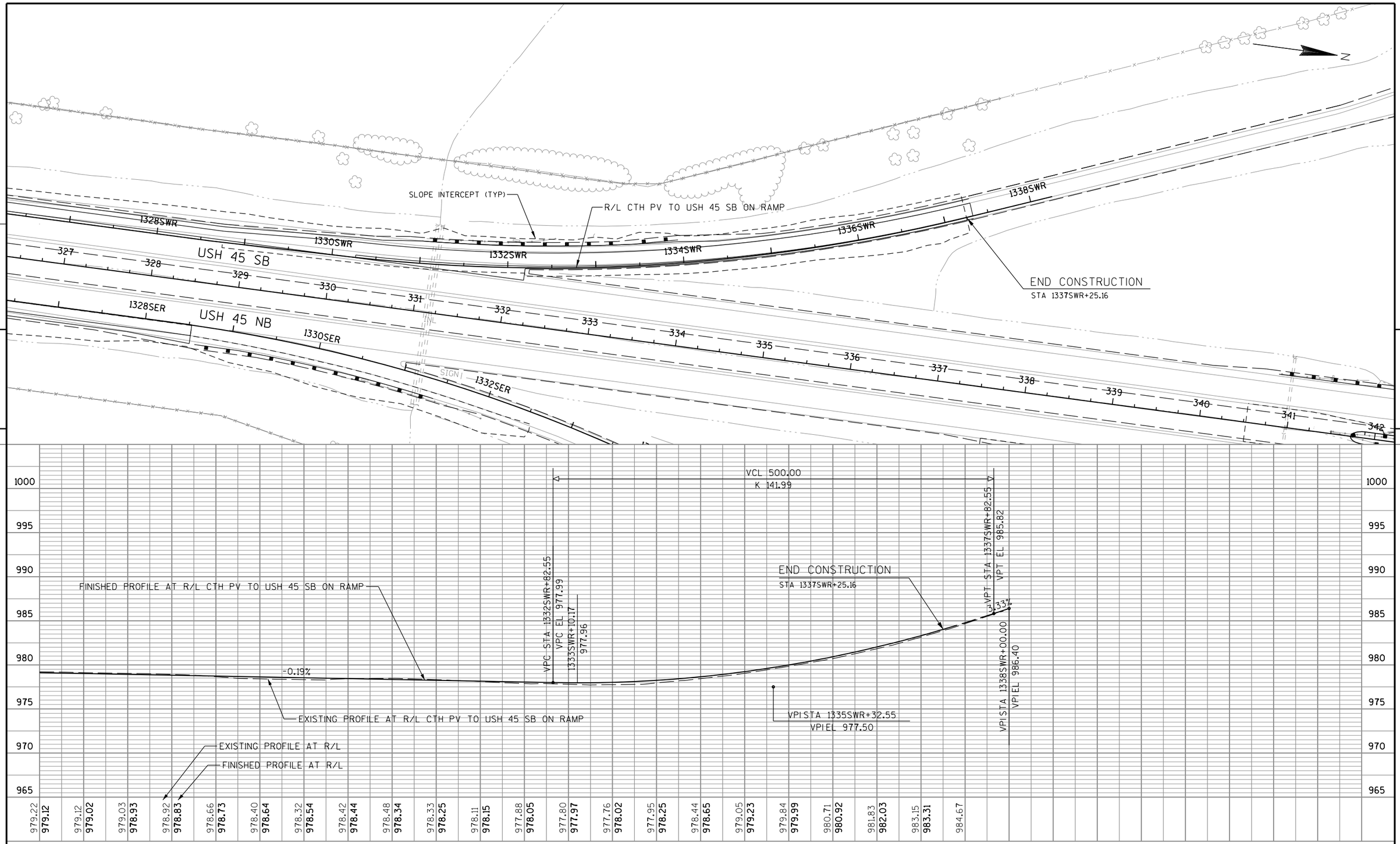
LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	661.0100 TEMPORARY TRAFFIC SIGNALS FOR BRIDGES 18-INCH LS
TWO LANE FULL CLOSURE								
LANE CLOSURE (4 MILES)							24	1
SHERMAN ROAD	225	450			5,730			
NB CLOSURE			400	4,921	74,832	1,745		
DETOUR								
UNDISTRIBUTED								
PROJECT TOTALS	225	450	400	4,921	80,562	1,745	24	1



PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN AND PROFILE: CTH PV TO USH 45 SB ON RAMP	SHEET E

PRE_221

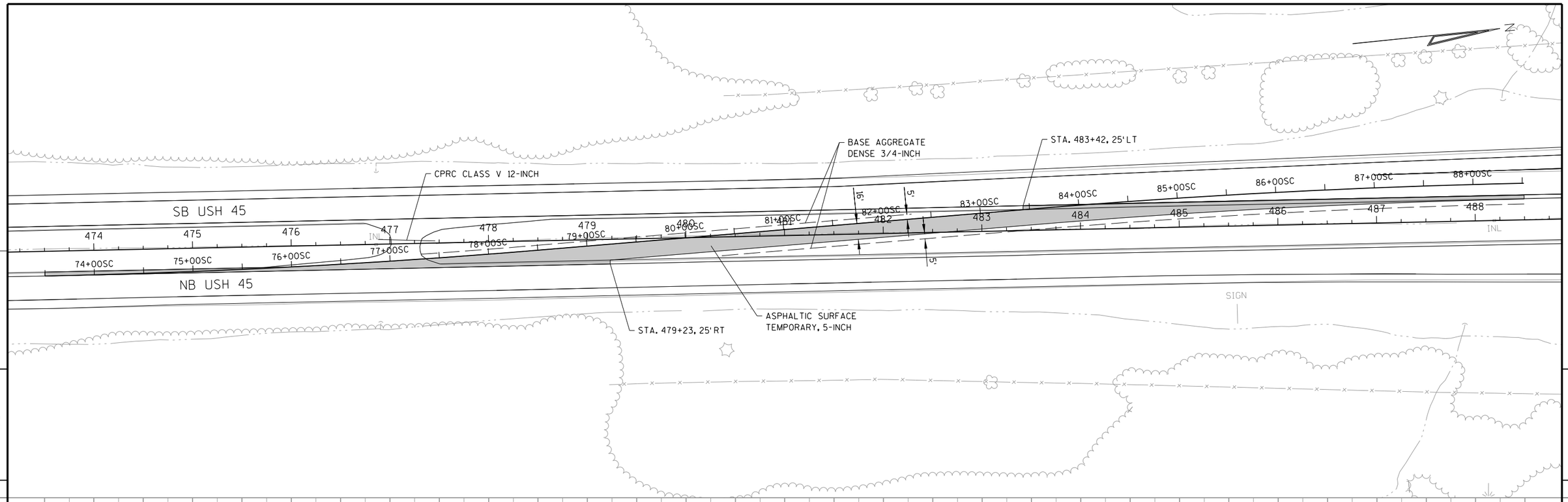
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PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN AND PROFILE: CTH PV TO USH 45 SB ON RAMP	SHEET E

PRE_222

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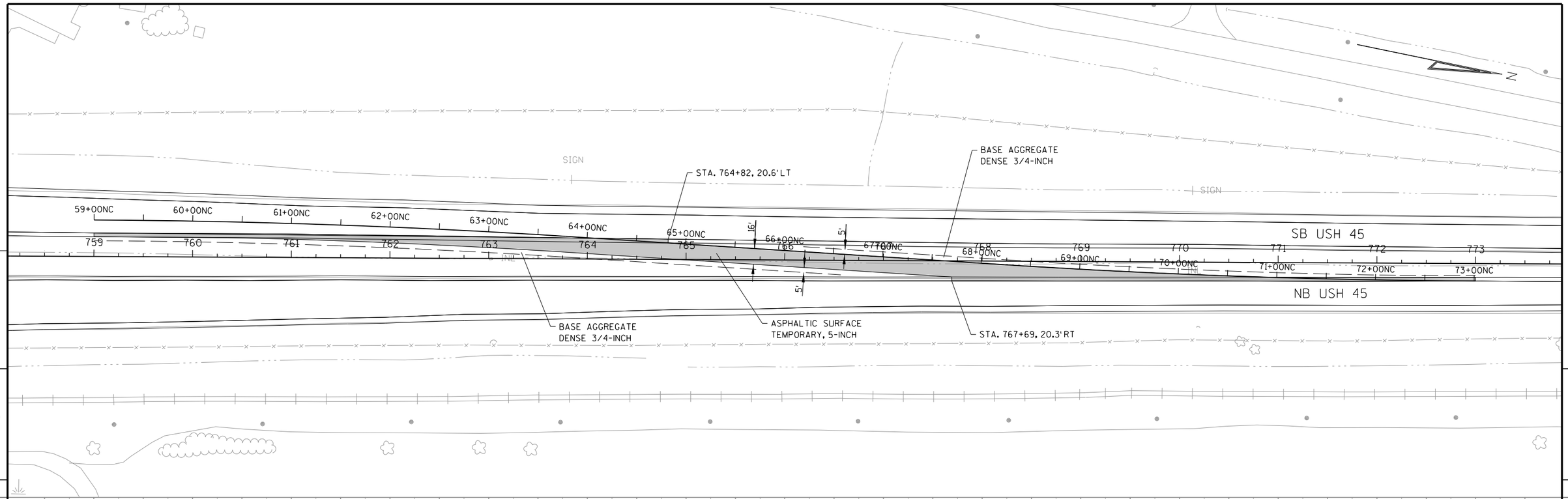
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PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	PLAN AND PROFILE: SOUTH CROSSOVER	SHEET E

PRE_223

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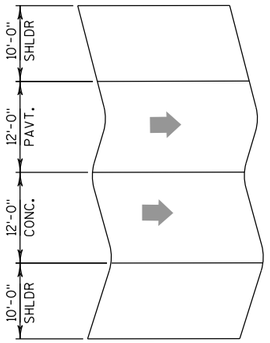
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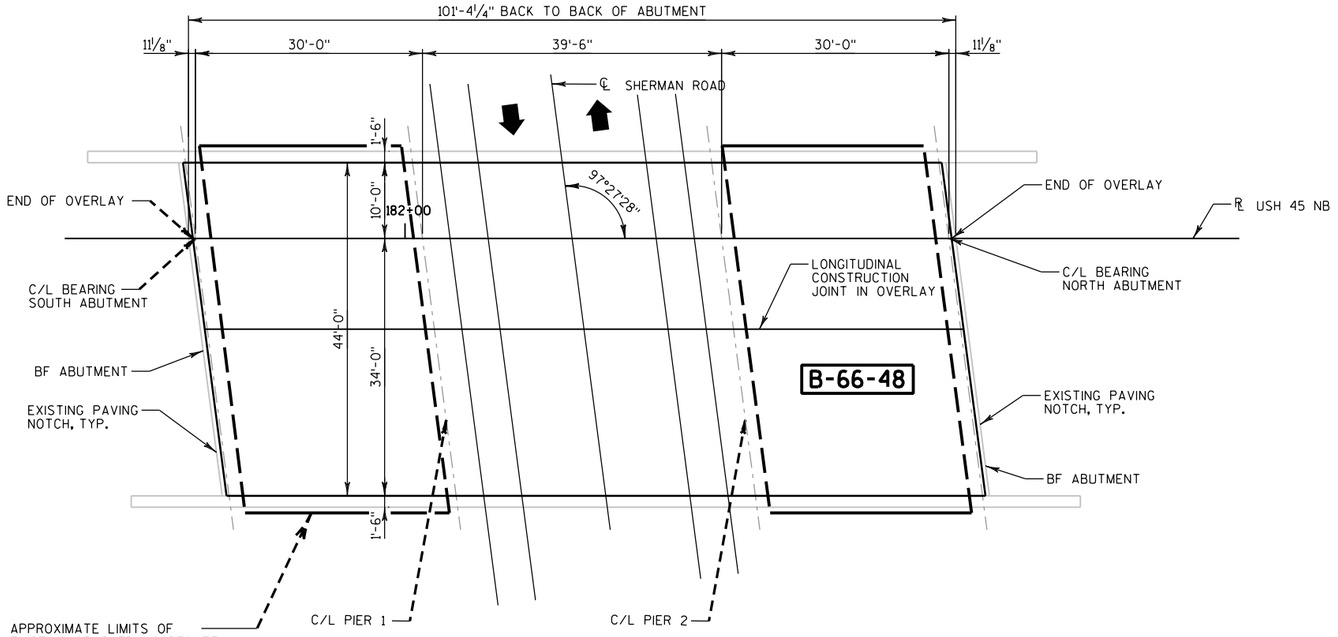
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STATE PROJECT NUMBER

2220-02-70

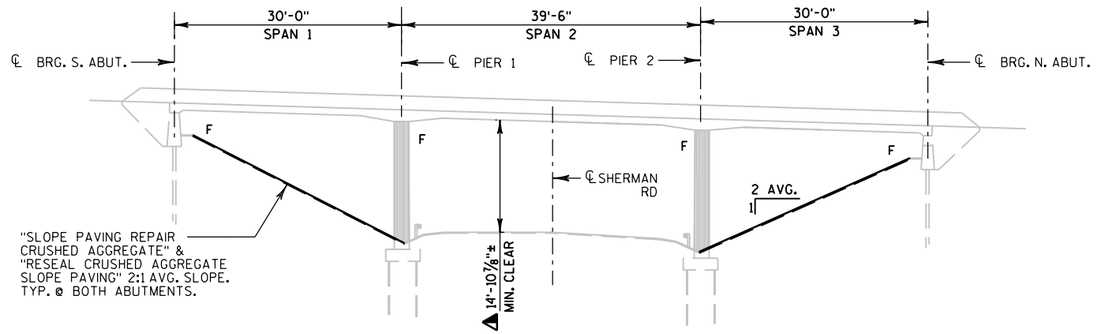




PLAN

POLYMER OVERLAY - 3 SPAN HAUNCHED SLAB BRIDGE

NORTH



LEGEND

▲ PER HSI (DIMENSION DATED 08-23-18)

ELEVATION

NORMAL TO SHERMAN ROAD

THIS IS A PRELIMINARY ENGINEERING DOCUMENT THAT IS NOT IN FINAL FORM, BUT IS BEING TRANSMITTED TO RECEIVE AGENCY REVIEWS, COMMENTS AND INTERPRETATIONS.

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS-24
OPERATIONAL RATING: HS-40
WIS. STD. PERMIT VEHICLE LOAD 190 KIPS

MATERIAL PROPERTIES (NEW WORK):
CONCRETE MASONRY DECK PATCHING... f'c = 4000 PSI

SCOPE OF WORK B-66-48

1. CLEAN AND PREPARE DECK AS DIRECTED BY THE FIELD ENGINEER.
2. PLACE POLYMER OVERLAY ON DECK.
3. REPAIR CONCRETE SURFACE AT ABUTMENTS AND PIERS AS DIRECTED BY THE FIELD ENGINEER.
4. REMOVE LOOSE CONCRETE OVERHEAD.
5. REPLACE PARAPET JOINT SEALANT.
6. REPAIR AND RESEAL SLOPE PAVING.

LIST OF DRAWINGS

1. POLYMER OVERLAY
2. QUANTITIES AND GENERAL NOTES
3. SLOPE REPAIR DETAILS

NO.	DATE	REVISION	BY

GRAEF
One Honey Creek Corporate Center
125 South 84th Street,
Suite 401
Milwaukee, WI 53214-1470
414 / 259 1570
414 / 259 7037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-66-48

USH 45 NB OVER SHERMAN ROAD

COUNTY	TOWN/~~CITY/VILLAGE~~
WASHINGTON	POLK

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
RPB		RBH	

POLYMER OVERLAY

SHEET 1 OF 3
PRE_225

I.D. DATE:

BUREAU OF STRUCTURES CONTACT;
WILLIAM DREHER (608) 266-8489
CONSULTANT CONTACT;
KEVIN WOOD (414) 259-1500

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STATE PROJECT NUMBER
2220-02-70

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID - ITEM	UNIT	S ABUT	N ABUT	PIER 1	PIER 2	SUPER	TOTAL
509.0301	PREPARATION DECKS TYPE 1	SY	-	-	-	-	2	2
509.0302	PREPARATION DECKS TYPE 2	SY	-	-	-	-	1	1
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	-	-	-	-	20	20
509.1500	CONCRETE SURFACE REPAIR	SY	-	1	-	-	60	61
509.2000	FULL-DEPTH DECK REPAIR	SY	-	-	-	-	1	1
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	-	-	-	-	1	1
509.5100.S	POLYMER OVERLAY	SY	-	-	-	-	495	495
509.9015.S	REMOVING POLYMER OVERLAY	SY	-	-	-	-	495	495
604.9010.S	SLOPE PAVING REPAIR, CRUSHED AGGREGATE	CY	9	9	-	-	-	18
604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	187	187	-	-	-	374
SPV.0165.XX	REMOVING LOOSE CONCRETE OVERHEAD	SF	-	-	-	-	30	30

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES. ALL STATIONS AND ELEVATIONS ARE IN FEET.

ALL DETAILS, MATERIALS AND FABRICATION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE SPECIFICATIONS OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION, EDITION OF 2011.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

INFORMATION ON THESE DRAWINGS RELATED TO THE EXISTING BRIDGE IS BASED UPON AVAILABLE DRAWINGS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NO GUARANTEE OR WARRANTY IS MADE THAT THE INFORMATION IS ALL INCLUSIVE OR TOTALLY ACCURATE. THEREFORE THE CONTRACTOR SHALL MAKE ITS OWN DETERMINATION OF THE ACTUAL CONDITIONS TO BE ENCOUNTERED.

TRAFFIC WILL BE MAINTAINED ON THE BRIDGE DURING CONSTRUCTION. A TRAFFIC STAGING PLAN SHALL BE ESTABLISHED.

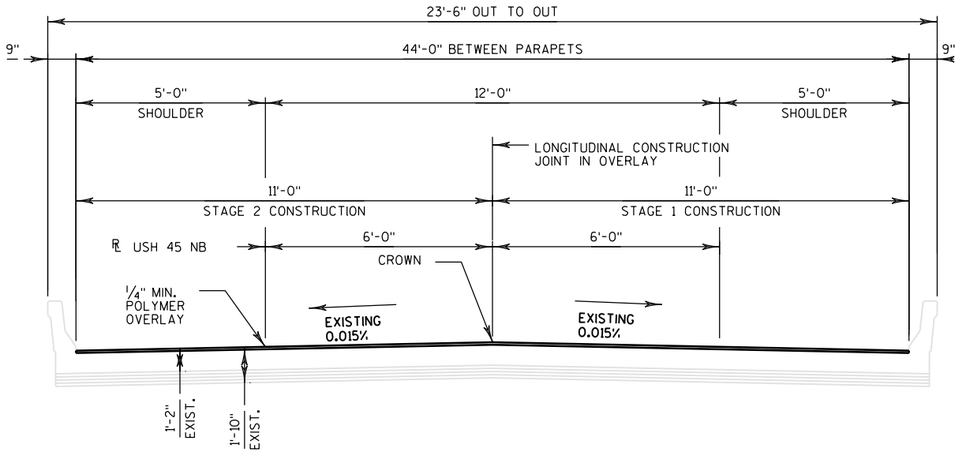
THE EXISTING STRUCTURE, B-66-48, IS A 3-SPAN HAUNCHED SLAB BRIDGE WITH AN OVERALL WIDTH OF 47'-0" AND AN OVERALL LENGTH OF 101'-4¼". THE ENTIRE DECK SURFACE IS TO BE PREPARED FOR A NEW POLYMER OVERLAY.

LOCATIONS OF THE FOLLOWING BID ITEMS WILL BE DESIGNATED BY THE FIELD ENGINEER:

PREPARATION DECKS TYPE 1
PREPARATION DECKS TYPE 2
CONCRETE SURFACE REPAIR
REMOVING LOOSE CONCRETE OVERHEAD

QUANTITIES SHOWN ON THE PLANS FOR THE ABOVE BID ITEMS ARE APPROXIMATE.

BID ITEM "CONCRETE SURFACE REPAIR" WILL NOT BE PERFORMED ON OVERHEAD SURFACES. DELAMINATED CONCRETE ON OVERHEAD SURFACES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER IN THE FIELD AND ACCORDING TO THE SPECIAL PROVISION FOR "REMOVING LOOSE CONCRETE OVERHEAD".



CROSS SECTION THRU B-66-48

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-66-48

CONST. SPEC. 2011	DRAWN BY RBH	PLANS CK'D.

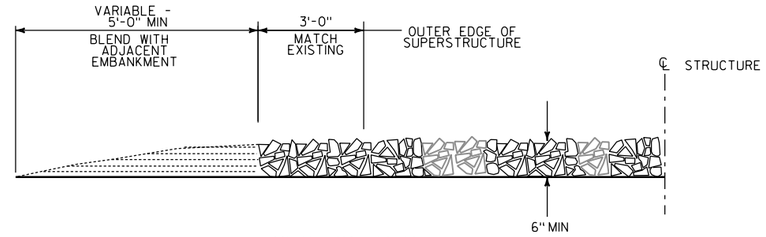
QUANTITIES & GENERAL NOTES

SHEET 2 OF 3
PRE_226

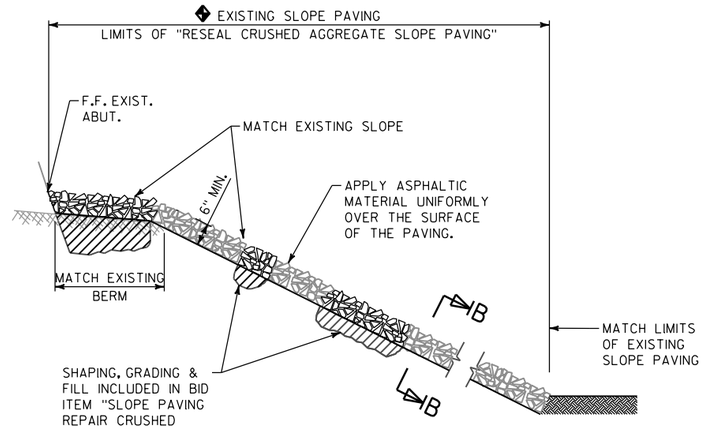
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STATE PROJECT NUMBER
2220-02-70



SECTION B-B



ABUTMENT SLOPE PAVING
TYPICAL SECTION

ROUND STONE WILL NOT BE ACCEPTED

LEGEND

◆ ENTIRE LIMITS OF EXISTING SLOPE PAVING CRUSHED AGGREGATE SHOWN. EXISTING SLOPE PAVING HAS SETTLED OR WASHED AWAY IN SEVERAL SPOTS. ONLY EXISTING DETERIORATED AREAS TO BE REPAIRED. REPAIR LIMITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ADD NEW (AS REQ'D) AND RESTORE EXISTING SLOPE PAVING TO THE ELEVATIONS AND SLOPES INDICATED. TO BE COMPLETED PRIOR TO SEALING/RESEALING ALL THE NEW/EXISTING SLOPE PAVING CRUSHED AGGREGATE.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-66-48

CONST. SPEC. 2011	DRAWN BY RBH	PLANS CK'D.

SLOPE REPAIR DETAILS

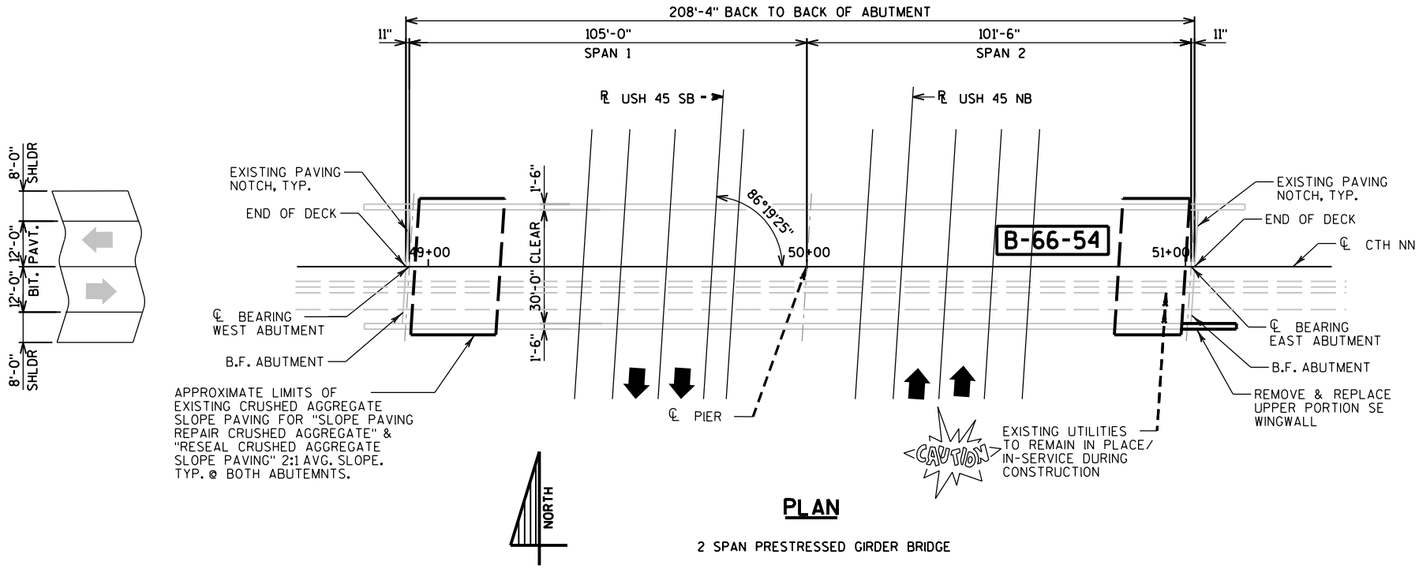
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PRE_227

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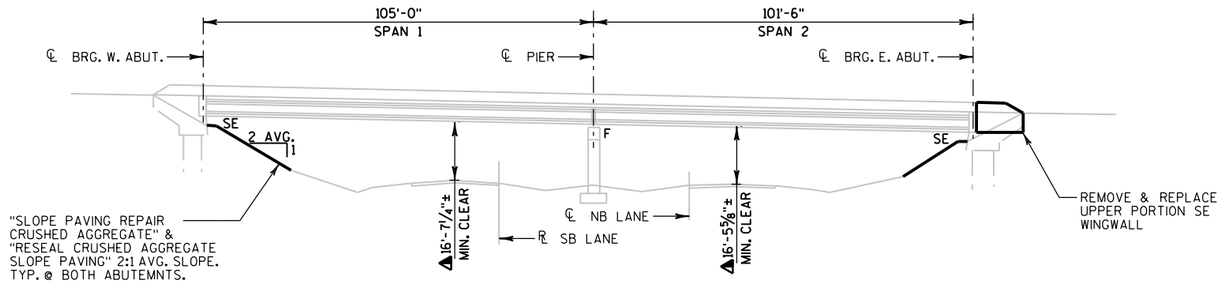
STATE PROJECT NUMBER

2220-02-70



PLAN

2 SPAN PRESTRESSED GIRDER BRIDGE



ELEVATION

NORMAL TO USH 45

DESIGN DATA

LIVE LOAD:
DESIGN LOAD:.....HS-20 (TAKEN FROM HSI 05/16/2019)
INVENTORY RATING:.....HS-21 (TAKEN FROM HSI 05/16/2019)
OPERATIONAL RATING:.....HS-43 (TAKEN FROM HSI 05/16/2019)
WIS. STD. PERMIT VEHICLE:...250 KIPS (TAKEN FROM HSI 05/16/2019)

MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE... f'c = 4,000 PSI
ALL OTHERS..... f'c = 3,500 PSI

SCOPE OF WORK B-66-54

1. REPAIR CONCRETE SURFACE AT ABUTMENTS, PIERS, PARAPETS, AND OTHER LOCATIONS AS DIRCTED BY THE ENGINEER
2. REMOVE & REMOVE UPPER PORTION SE WINGWALL
2. REPLACE PARAPET JOINT SEALANT
5. REPAIR AND RESEAL SLOPE PAVING

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. CROSS SECTION & QUANTITIES
3. SLOPE REPAIR DETAILS

LEGEND

▲ PER HSI (DIMENSION DATED 08-07-18)

THIS IS A PRELIMINARY ENGINEERING DOCUMENT THAT IS NOT IN FINAL FORM, BUT IS BEING TRANSMITTED TO RECEIVE AGENCY REVIEWS, COMMENTS AND INTERPRETATIONS.

STRUCTURE DESIGN CONTACTS:
BUREAU OF STRUCTURES:
WILLIAM DREHER, P.E. (608) 266-8489
CONSULTANT:
KEVIN WOOD, P.E. (414) 266-9144

NO.	DATE	REVISION	BY

GRAEF
One Honey Creek Corporate Center
125 South 84th Street,
Suite 401
Milwaukee, WI 53214-1470
414 / 259 1570
414 / 259 7037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-66-54

CTH NN OVER USH 45

COUNTY	TOWN/~~CITY/VILLAGE~~
WASHINGTON	WEST BEND

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
WAR	KGW	WAR	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 3
PRE_228

I.D.

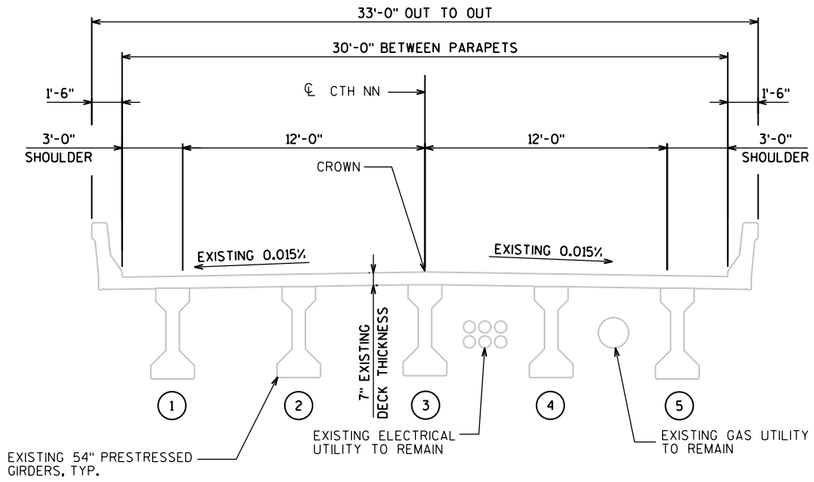
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STATE PROJECT NUMBER
2220-02-70



CROSS SECTION THRU B-66-54
(LOOKING EAST)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES. ALL STATIONS AND ELEVATIONS ARE IN FEET.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

EXISTING UTILITIES ATTACHED TO THE BRIDGE ARE TO REMAIN IN PLACE AND IN-SERVICE. SEE PROJECT SPECIFICATIONS.

TRAFFIC WILL BE MAINTAINED ON THE BRIDGE DURING CONSTRUCTION. A TRAFFIC STAGING PLAN SHALL BE ESTABLISHED.

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

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

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

UTILITZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

"PIGMENTED SURFACE SEALER" SHALL BE APPLIED TO THE TOP AND INSIDE FACE OF PARAPETS OVER WINGWALL REPLACEMENT.

SLOPE PAVING REPAIRS SHALL BE MADE ONLY AS DIRECTED BY THE ENGINEER.

THE EXISTING ROADWAY SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE THE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH "BACKFILL STRUCTURE TYPE A".

LOCATIONS OF "CONCRETE SURFACE REPAIR" WILL BE DESIGNATED BY THE FIELD ENGINEER. QUANTITIES SHOWN ON THE PLAN ARE APPROXIMATE.

THE EXISTING STRUCTURE, B-66-54, IS A 2-SPAN PRESTRESSED CONCRETE BRIDGE WITH A BACK-TO-BACK OF ABUTMENT LENGTH OF 208'-4".

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID - ITEM	UNIT	E ABUT	W ABUT	PIER	SUPER	TOTAL
203.0200	REMOVING OLD STRUCTURE STA. 50+00	LS	-	-	-	-	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-66-54	LS	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	40	-	-	-	40
502.0100	CONCRETE MASONRY BRIDGES	CY	4	-	-	-	4
502.3210	PIGMENTED SURFACE SEALER	SY	5	-	-	-	5
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	14	-	-	-	14
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	600	-	-	-	600
509.1500	CONCRETE SURFACE REPAIR	SF	3	3	-	3	9
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	2	-	-	-	2
604.9010.S	SLOPE PAVING REPAIR CRUSHED AGGREGATE	CY	3	3	-	-	6
604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	93	107	-	-	200
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	1	-	-	-	1
	NON-BID ITEMS						
	PREFORMED JOINT FILLER	SIZE					1/2"

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-66-54

DRAWN BY WAR | PLANS CK'D. KGW

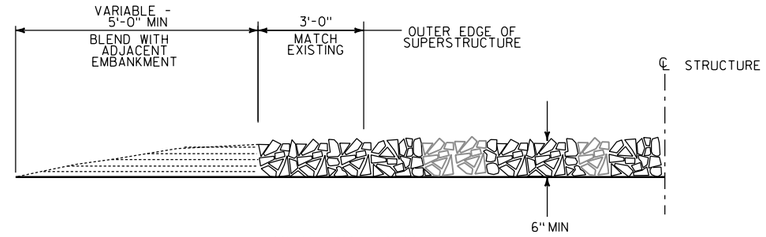
CROSS SECTION & QUANTITIES

SHEET 2 OF 3
PRE_229

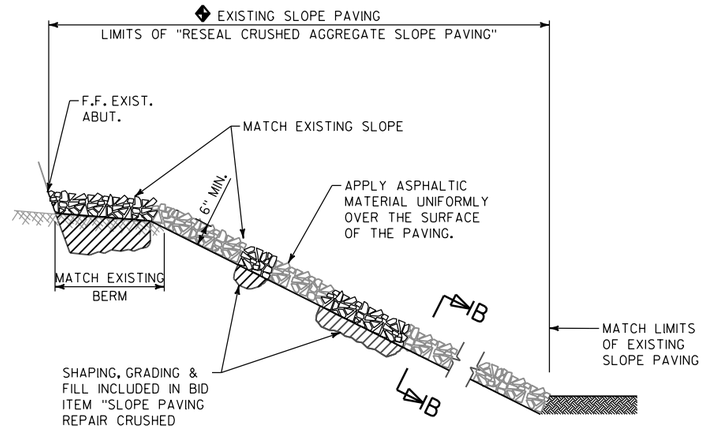
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STATE PROJECT NUMBER
2220-02-70



SECTION B-B



ABUTMENT SLOPE PAVING
TYPICAL SECTION

ROUND STONE WILL NOT BE ACCEPTED

LEGEND

◆ ENTIRE LIMITS OF EXISTING SLOPE PAVING CRUSHED AGGREGATE SHOWN. EXISTING SLOPE PAVING HAS SETTLED OR WASHED AWAY IN SEVERAL SPOTS. ONLY EXISTING DETERIORATED AREAS TO BE REPAIRED. REPAIR LIMITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ADD NEW (AS REQ'D) AND RESTORE EXISTING SLOPE PAVING TO THE ELEVATIONS AND SLOPES INDICATED. TO BE COMPLETED PRIOR TO SEALING/RESEALING ALL THE NEW/EXISTING SLOPE PAVING CRUSHED AGGREGATE.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-66-54

DRAWN BY WAR | PLANS CK'D. KGW

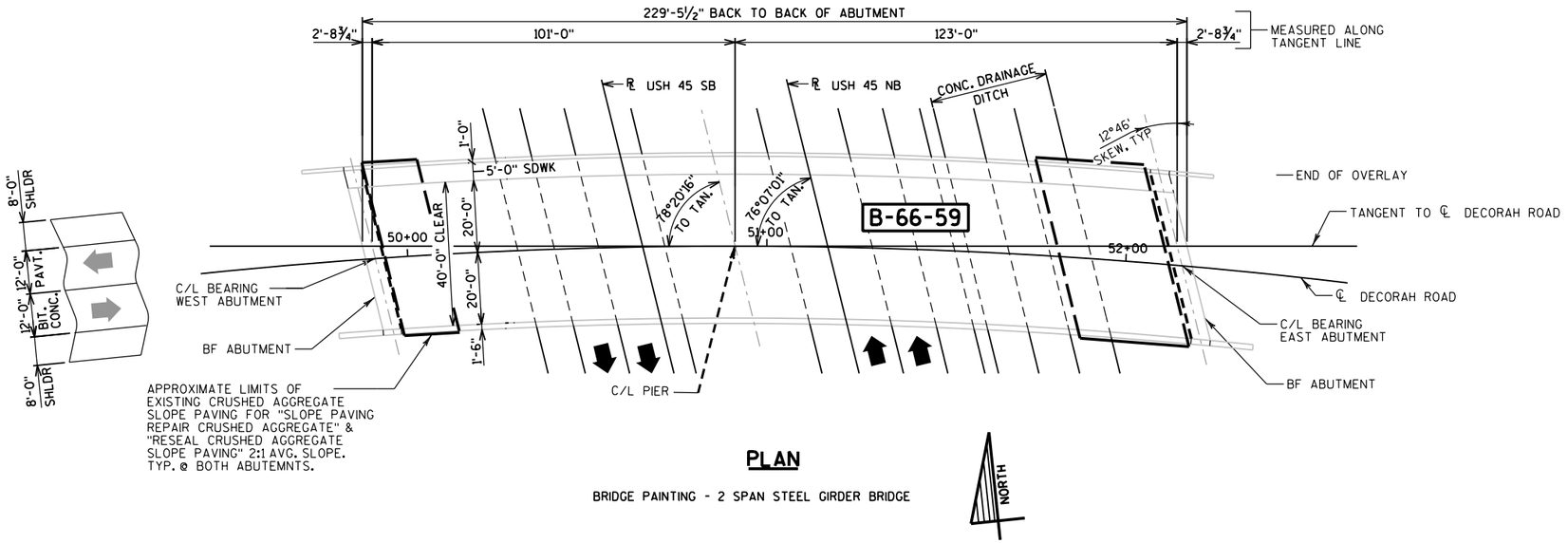
SLOPE REPAIR DETAILS

SHEET 3 OF 3
PRE_230

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STATE PROJECT NUMBER
2220-02-70



PLAN

BRIDGE PAINTING - 2 SPAN STEEL GIRDER BRIDGE

DESIGN DATA

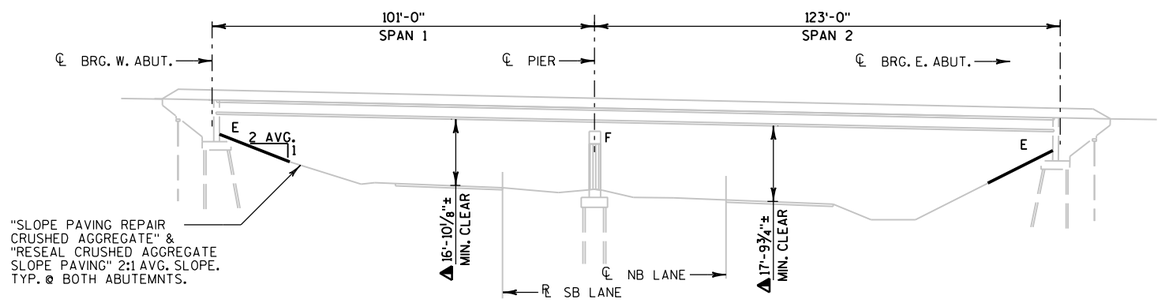
LIVE LOAD:
INVENTORY RATING: HS-21
OPERATIONAL RATING: HS-35
WIS. STD. PERMIT VEHICLE LOAD 220 KIPS

SCOPE OF WORK B-66-59

1. REPAIR CONCRETE SURFACE AT ABUTMENTS AND PIER AS DIRECTED BY THE FIELD ENGINEER.
2. CLEAN AND PAINT ALL BEARINGS AT THE ABUTMENTS AND PIER.
3. PAINT GIRDERS & DIAPHRAGMS.
4. REPLACE PARAPET JOINT SEALANT.
5. REPAIR AND RESEAL SLOPE PAVING.

LIST OF DRAWINGS

1. GENERAL NOTES
2. CROSS SECTIONS NOTES & QUANTITIES
3. SLOPE REPAIR DETAILS



ELEVATION

NORMAL TO USH 45

LEGEND

▲ PER HSI DIMENSION DATED 08-14-2018 & 08-25-2018)

THIS IS A PRELIMINARY ENGINEERING DOCUMENT THAT IS NOT IN FINAL FORM, BUT IS BEING TRANSMITTED TO RECEIVE AGENCY REVIEWS, COMMENTS AND INTERPRETATIONS.

BUREAU OF STRUCTURES CONTACT;
WILLIAM DREHER (608) 266-8489
CONSULTANT CONTACT;
KEVIN WOOD (414) 259-1500

NO.	DATE	REVISION	BY

GRAEF
One Honey Creek Corporate Center
125 South 84th Street,
Suite 401
Milwaukee, WI 53214-1470
414 / 259 1570
414 / 259 7037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-66-59

DECORAH ROAD OVER USH 45

COUNTY	TOWN/~~CITY/VILLAGE~~
WASHINGTON	WEST BEND

DESIGN SPEC.	
REHABILITATION	N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
RPB		RBH	

GENERAL PLAN

SHEET 1 OF 3
PRE_231

I.D.

DATE:

8

8

STATE PROJECT NUMBER
2220-02-70

TOTAL ESTIMATED QUANTITIES

	ITEM NUMBER	BID - ITEM	UNIT	E ABUT	W ABUT	PIER	SUPER	TOTAL
	509.1500	CONCRETE SURFACE REPAIR	SF	-	-	-	3	3
*	517.1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-66-59	LS	-	-	-	-	1
	517.4500.S	NEGATIVE CONTAINMENT AND COLLECTION OF WASTE MATERIALS, B-66-59	LS	-	-	-	-	1
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	-	-	-	-	1
	604.0600	SLOPE PAVING SELECT CRUSHED MATERIAL	SY	-	9	-	-	9
	604.9010.S	SLOPE PAVING REPAIR, CRUSHED AGGREGATE	CY	10	9	-	-	19
	604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	229	132	-	-	361

*FOR INFORMATIONAL PURPOSES ONLY: APPROXIMATELY 18,356 SF OF STRUCTURAL STEEL. SEE GENERAL NOTES

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES. ALL STATIONS AND ELEVATIONS ARE IN FEET.

ALL DETAILS, MATERIALS AND FABRICATION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE SPECIFICATIONS OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION, EDITION OF 2011.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

INFORMATION ON THESE DRAWINGS RELATED TO THE EXISTING BRIDGE IS BASED UPON AVAILABLE DRAWINGS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION, NO GUARANTEE OR WARRANTY IS MADE THAT THE INFORMATION IS ALL INCLUSIVE OR TOTALLY ACCURATE. THEREFORE THE CONTRACTOR SHALL MAKE ITS OWN DETERMINATION OF THE ACTUAL CONDITIONS TO BE ENCOUNTERED.

EXISTING UTILITIES ATTACHED TO THE BRIDGE ARE TO REMAIN IN PLACE AND IN-SERVICE. SEE PROJECT SPECIFICATIONS.

TRAFFIC WILL BE MAINTAINED ON THE BRIDGE DURING CONSTRUCTION. A TRAFFIC STAGING PLAN SHALL BE ESTABLISHED.

THE EXISTING STRUCTURE, B-66-59, IS A 2-SPAN STEEL GIRDER BRIDGE WITH AN OVERALL WIDTH OF 47'-6" AND AN OVERALL LENGTH OF 229'-5⅛". THE GIRDERS ARE TO BE REPAINTED.

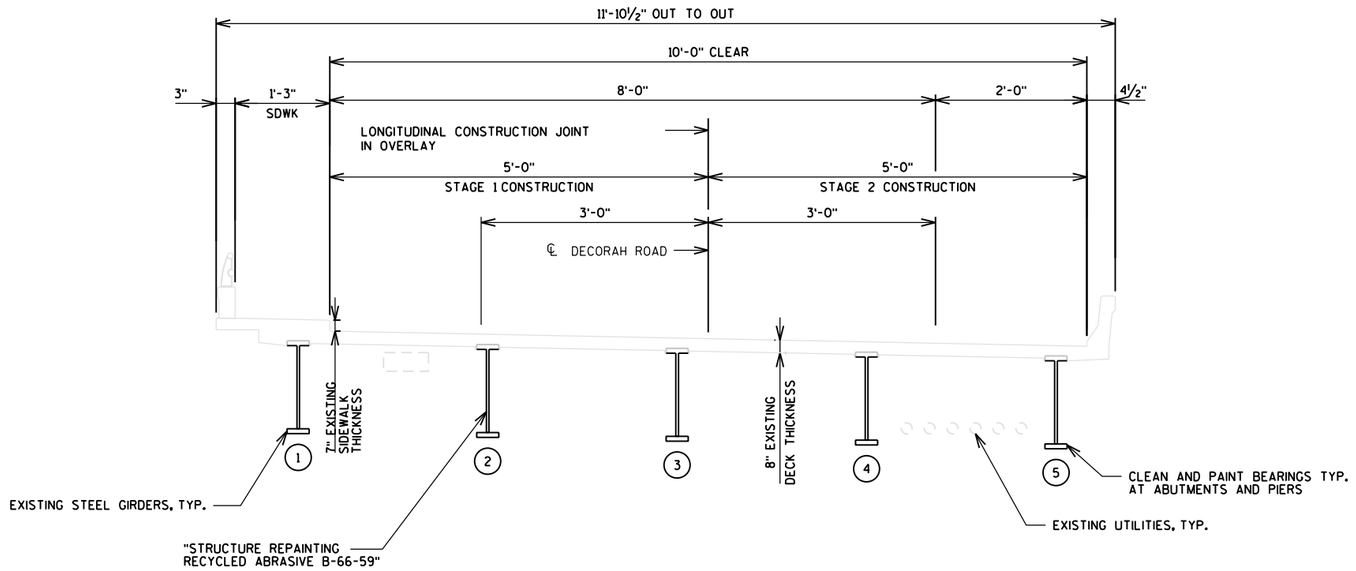
LOCATIONS OF THE FOLLOWING BID ITEMS WILL BE DESIGNATED BY THE FIELD ENGINEER:

CONCRETE SURFACE REPAIR

QUANTITIES SHOWN ON THE PLANS FOR THE ABOVE BID ITEMS ARE APPROXIMATE.

PAINT COLOR SHALL BE AMS #25240 (MEDIUM SKY BLUE TONE) STANDARD COLOR

ALL EXPOSED STEEL SURFACES UNDERNEATH THE BRIDGE ARE TO BE CLEANED AND PAINTED. THE SURFACES INCLUDE GIRDERS, DIAPHRAGMS, STIFFENERS, BEARINGS, AND CONNECTIONS.



CROSS SECTION THRU B-66-59

(LOOKING EAST)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-66-59

CONST. SPEC. 2011	DRAWN BY RBH	PLANS CK'D.

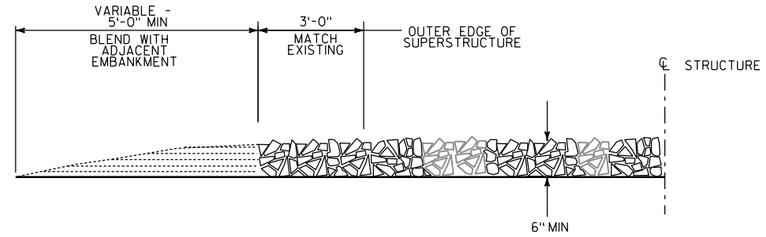
QUANTITIES & GENERAL NOTES

SHEET 2 OF 3
PRE_232

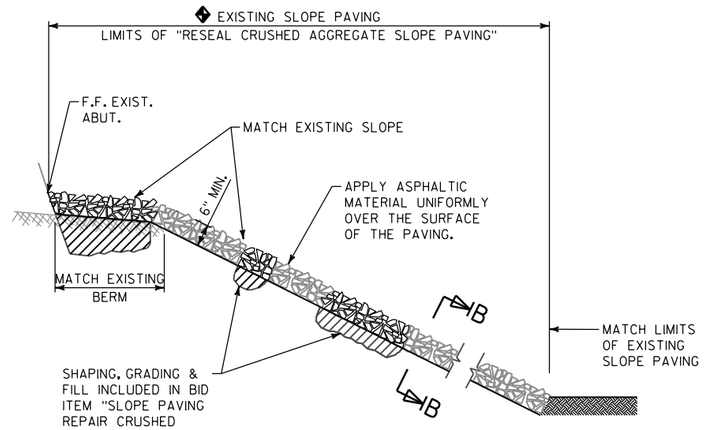
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STATE PROJECT NUMBER
2220-02-70



SECTION B-B



ABUTMENT SLOPE PAVING TYPICAL SECTION

ROUND STONE WILL NOT BE ACCEPTED

LEGEND

◆ ENTIRE LIMITS OF EXISTING SLOPE PAVING CRUSHED AGGREGATE SHOWN. EXISTING SLOPE PAVING HAS SETTLED OR WASHED AWAY IN SEVERAL SPOTS. ONLY EXISTING DETERIORATED AREAS TO BE REPAIRED. REPAIR LIMITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ADD NEW (AS REQ'D) AND RESTORE EXISTING SLOPE PAVING TO THE ELEVATIONS AND SLOPES INDICATED. TO BE COMPLETED PRIOR TO SEALING/RESEALING ALL THE NEW/EXISTING SLOPE PAVING CRUSHED AGGREGATE.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-66-59

CONST. SPEC. 2011	DRAWN BY RBH	PLANS CK'D.

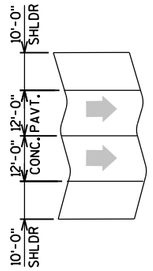
SLOPE REPAIR DETAILS

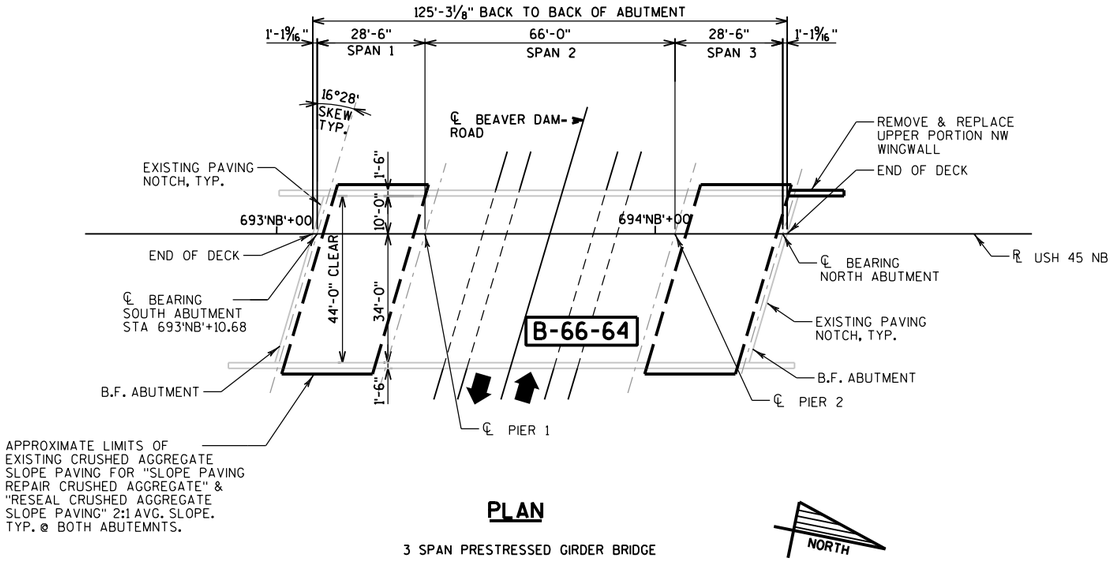
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PRE_233

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STATE PROJECT NUMBER
2220-02-70





PLAN

3 SPAN PRESTRESSED GIRDER BRIDGE

DESIGN DATA

LIVE LOAD:
DESIGN LOAD:.....HS-20 (TAKEN FROM HSI 05/17/2019)
INVENTORY RATING:.....HS-24 (TAKEN FROM HSI 05/17/2019)
OPERATIONAL RATING:.....HS-39 (TAKEN FROM HSI 05/17/2019)
WIS. STD. PERMIT VEHICLE:...250 KIPS (TAKEN FROM HSI 05/17/2019)

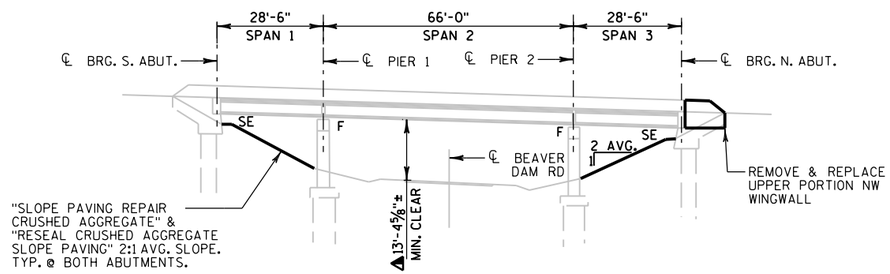
MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE... f'c = 4,000 PSI
ALL OTHERS..... f'c = 3,500 PSI

SCOPE OF WORK B-66-64

1. REPAIR CONCRETE SURFACE AT ABUTMENTS, PIERS, PARAPETS, AND OTHER LOCATIONS AS DIRCTED BY THE ENGINEER
2. REMOVE AND REPLACE UPPER PORTION NW WINGWALL
2. REPLACE PARAPET JOINT SEALANT
5. REPAIR AND RESEAL SLOPE PAVING

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. CROSS SECTION & QUANTITIES
3. SLOPE REPAIR DETAILS



ELEVATION

NORMAL TO BEAVER DAM ROAD

LEGEND

▲ PER HSI (DIMENSION DATED 07-12-16)

THIS IS A PRELIMINARY ENGINEERING DOCUMENT THAT IS NOT IN FINAL FORM, BUT IS BEING TRANSMITTED TO RECEIVE AGENCY REVIEWS, COMMENTS AND INTERPRETATIONS.

STRUCTURE DESIGN CONTACTS:
BUREAU OF STRUCTURES:
WILLIAM DREHER, P.E. (608) 266-8489
CONSULTANT:
KEVIN WOOD, P.E. (414) 266-9144

NO.	DATE	REVISION	BY

GRAEF
One Honey Creek Corporate Center
125 South 84th Street,
Suite 401
Milwaukee, WI 53214-1470
414 / 259 1570
414 / 259 7037 fax
www.graef-usa.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-66-64

USH 45 NB OVER BEAVER DAM ROAD

COUNTY	TOWN/~~CITY/VILLAGE~~
WASHINGTON	BARTON

DESIGN SPEC.	
REHABILITATION	N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
WAR	KGW	WAR	KGW

GENERAL PLAN & ELEVATION

SHEET 1 OF 3
PRE_234

I.D.

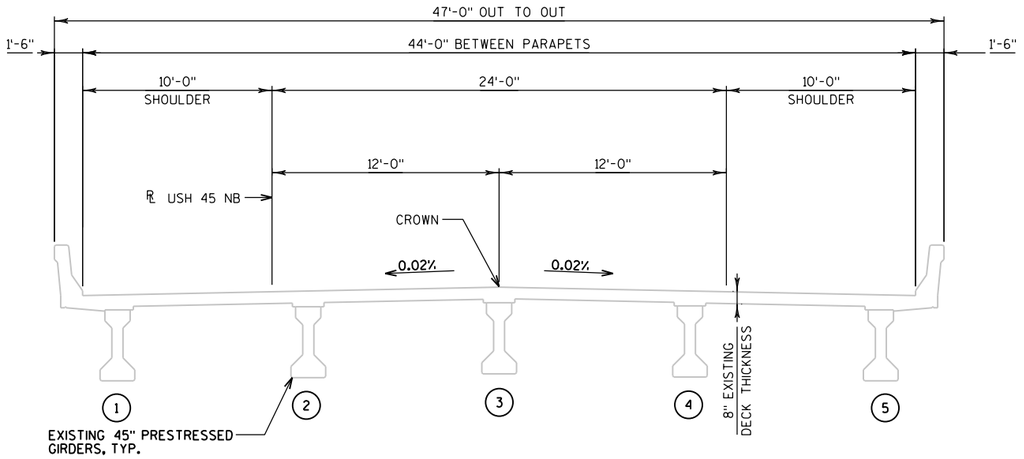
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STATE PROJECT NUMBER
2220-02-70



CROSS SECTION THRU B-66-64
(LOOKING NORTH)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES. ALL STATIONS AND ELEVATIONS ARE IN FEET.

DIMENSIONS AND STATIONING SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

TRAFFIC WILL BE MAINTAINED ON THE BRIDGE DURING CONSTRUCTION. A TRAFFIC STAGING PLAN SHALL BE ESTABLISHED.

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

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

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

UTILITZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

"PIGMENTED SURFACE SEALER" SHALL BE APPLIED TO THE TOP AND INSIDE FACE OF PARAPETS OVER WINGWALL REPLACEMENT.

SLOPE PAVING REPAIRS SHALL BE MADE ONLY AS DIRECTED BY THE ENGINEER.

THE EXISTING ROADWAY SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE THE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH "BACKFILL STRUCTURE TYPE A".

LOCATIONS OF "CONCRETE SURFACE REPAIR" WILL BE DESIGNATED BY THE FIELD ENGINEER. QUANTITIES SHOWN ON THE PLAN ARE APPROXIMATE.

THE EXISTING STRUCTURE, B-66-64, IS A 3-SPAN PRESTRESSED GIRDER BRIDGE WITH A BACK-TO-BACK OF ABUTMENT LENGTH OF 125'-3⅛".

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID - ITEM	UNIT	S ABUT	N ABUT	PIER	SUPER	TOTAL
203.0200	REMOVING OLD STRUCTURE STA. 693+72.18	LS	-	-	-	-	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-66-64	LS	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	33	-	-	33
502.0100	CONCRETE MASONRY BRIDGES	CY	-	4	-	-	4
502.3200	PIGMENTED SURFACE SEALER	SY	-	4	-	-	4
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EA	-	14	-	-	14
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	-	600	-	-	600
509.1500	CONCRETE SURFACE REPAIR	SF	-	1	-	-	1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	2	-	-	2
604.9010.S	SLOPE PAVING REPAIR CRUSHED AGGREGATE	CY	6	6	-	-	12
604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	241	241	-	-	482
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	-	-	-	-	1
	NON-BID ITEMS						
	PREFORMED JOINT FILLER	SIZE					½"

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-66-64

DRAWN BY WAR | PLANS CK'D. KGW

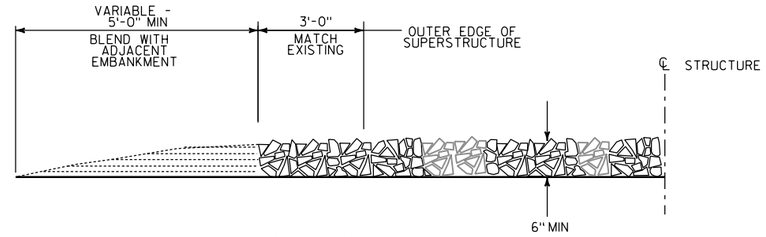
CROSS SECTION & QUANTITIES

SHEET 2 OF 3
PRE_235

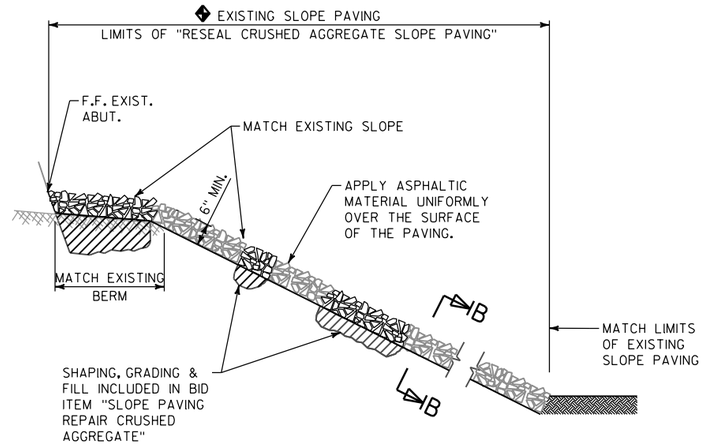
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STATE PROJECT NUMBER
2220-02-70



SECTION B-B



ABUTMENT SLOPE PAVING
TYPICAL SECTION

ROUND STONE WILL NOT BE ACCEPTED

LEGEND

◆ ENTIRE LIMITS OF EXISTING SLOPE PAVING CRUSHED AGGREGATE SHOWN. EXISTING SLOPE PAVING HAS SETTLED OR WASHED AWAY IN SEVERAL SPOTS. ONLY EXISTING DETERIORATED AREAS TO BE REPAIRED. REPAIR LIMITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ADD NEW (AS REQ'D) AND RESTORE EXISTING SLOPE PAVING TO THE ELEVATIONS AND SLOPES INDICATED. TO BE COMPLETED PRIOR TO SEALING/RESEALING ALL THE NEW/EXISTING SLOPE PAVING CRUSHED AGGREGATE.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-66-64

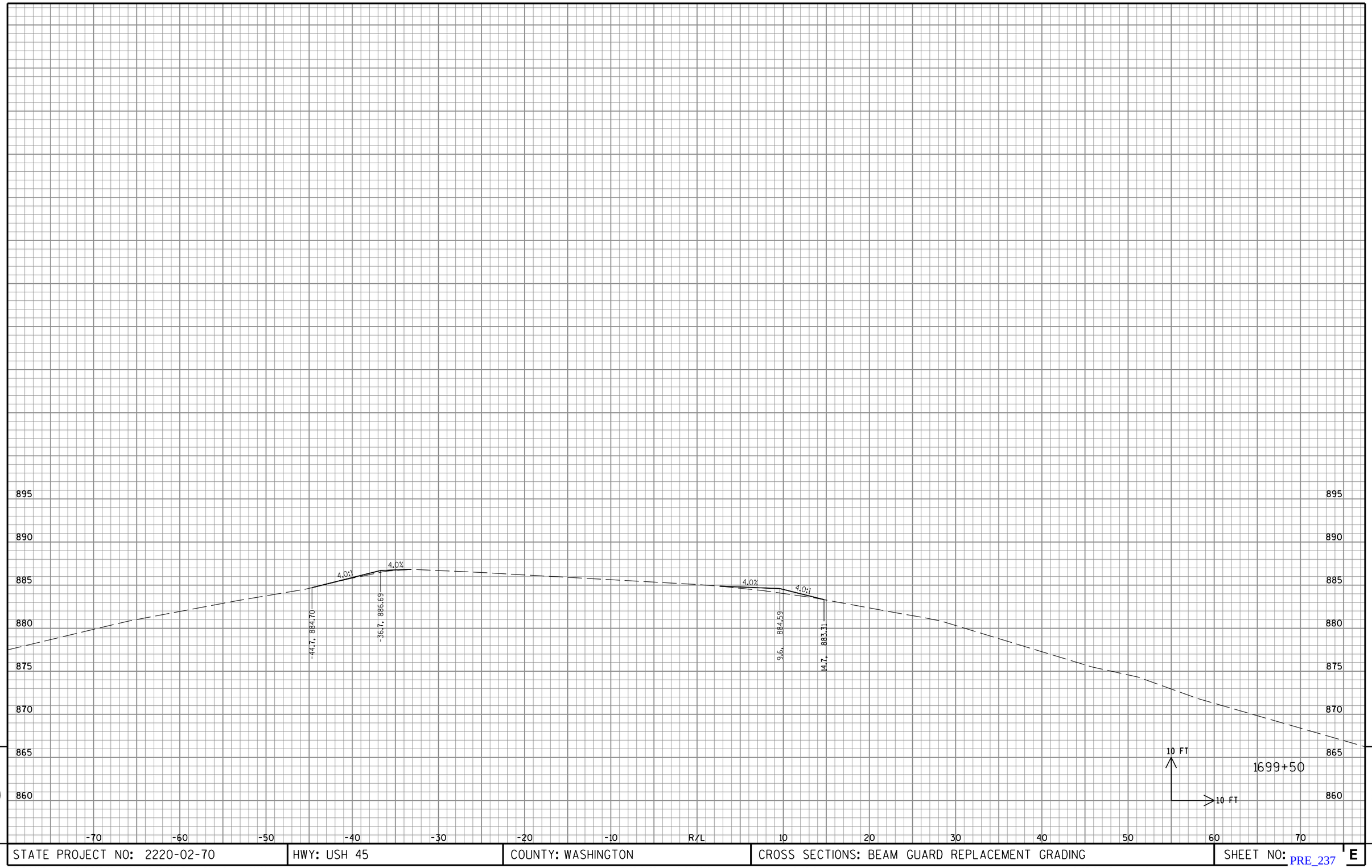
DRAWN BY WAR | PLANS CK'D. KGW

SLOPE REPAIR DETAILS

SHEET 3 OF 3
PRE_236

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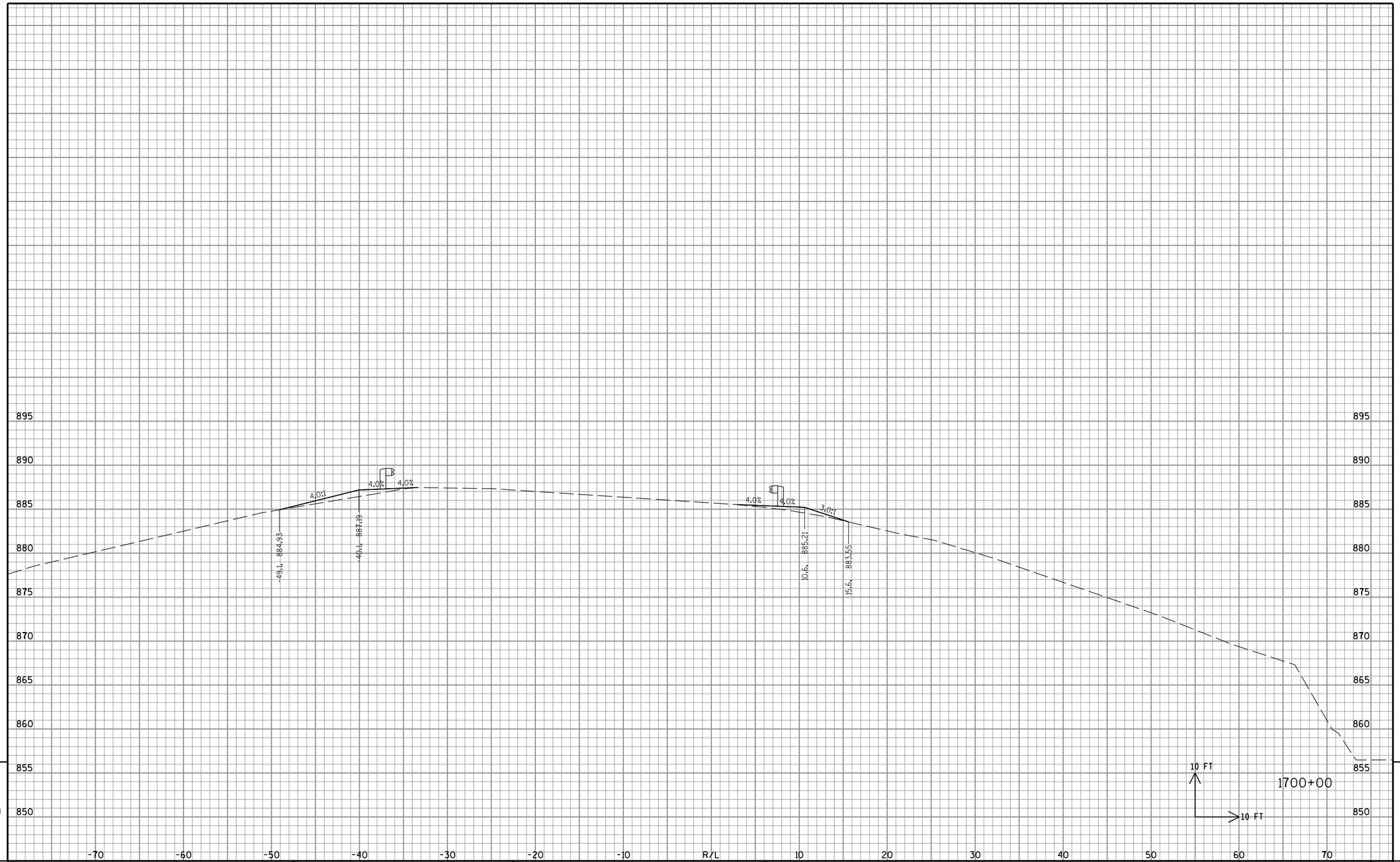


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_237 E

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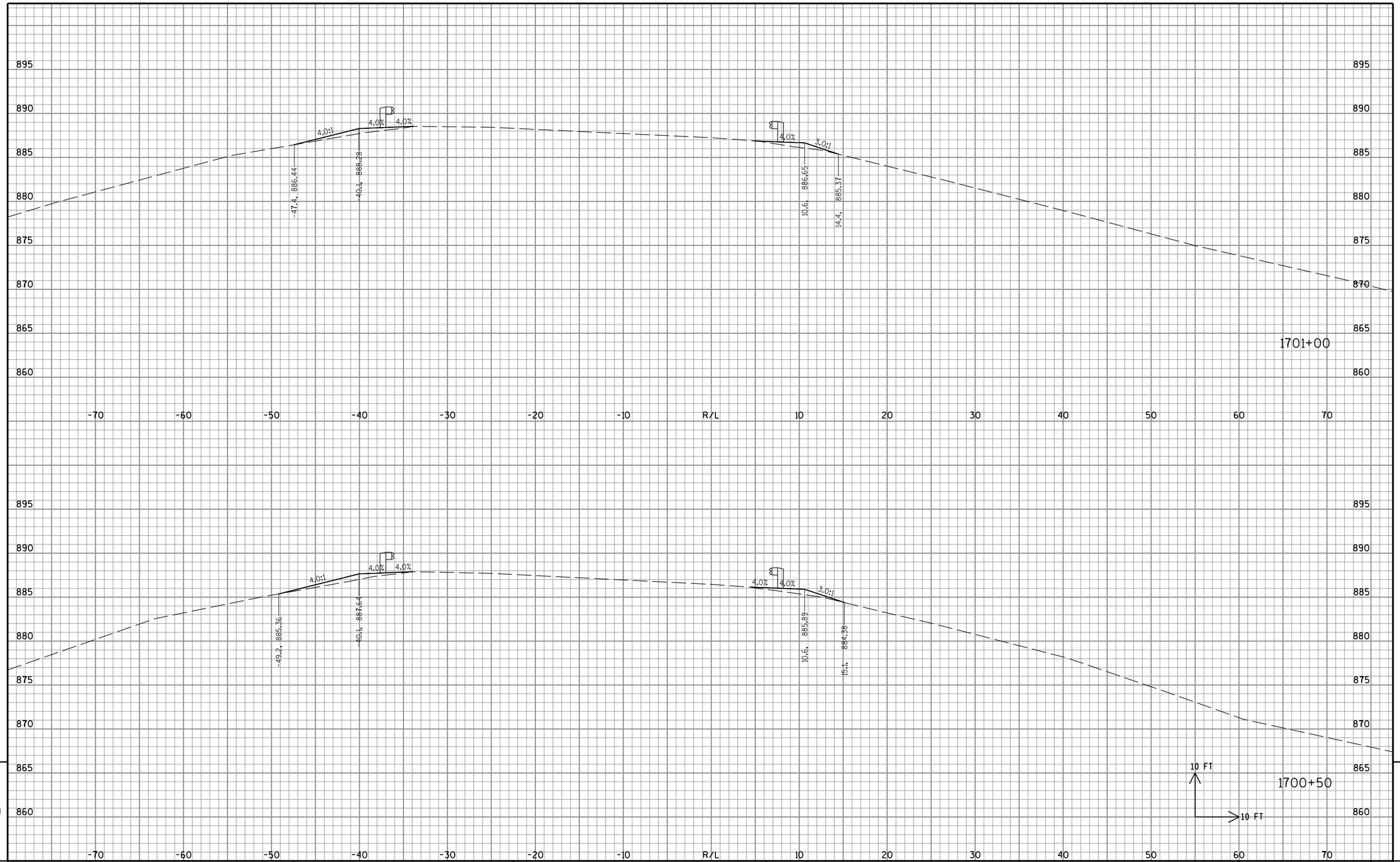


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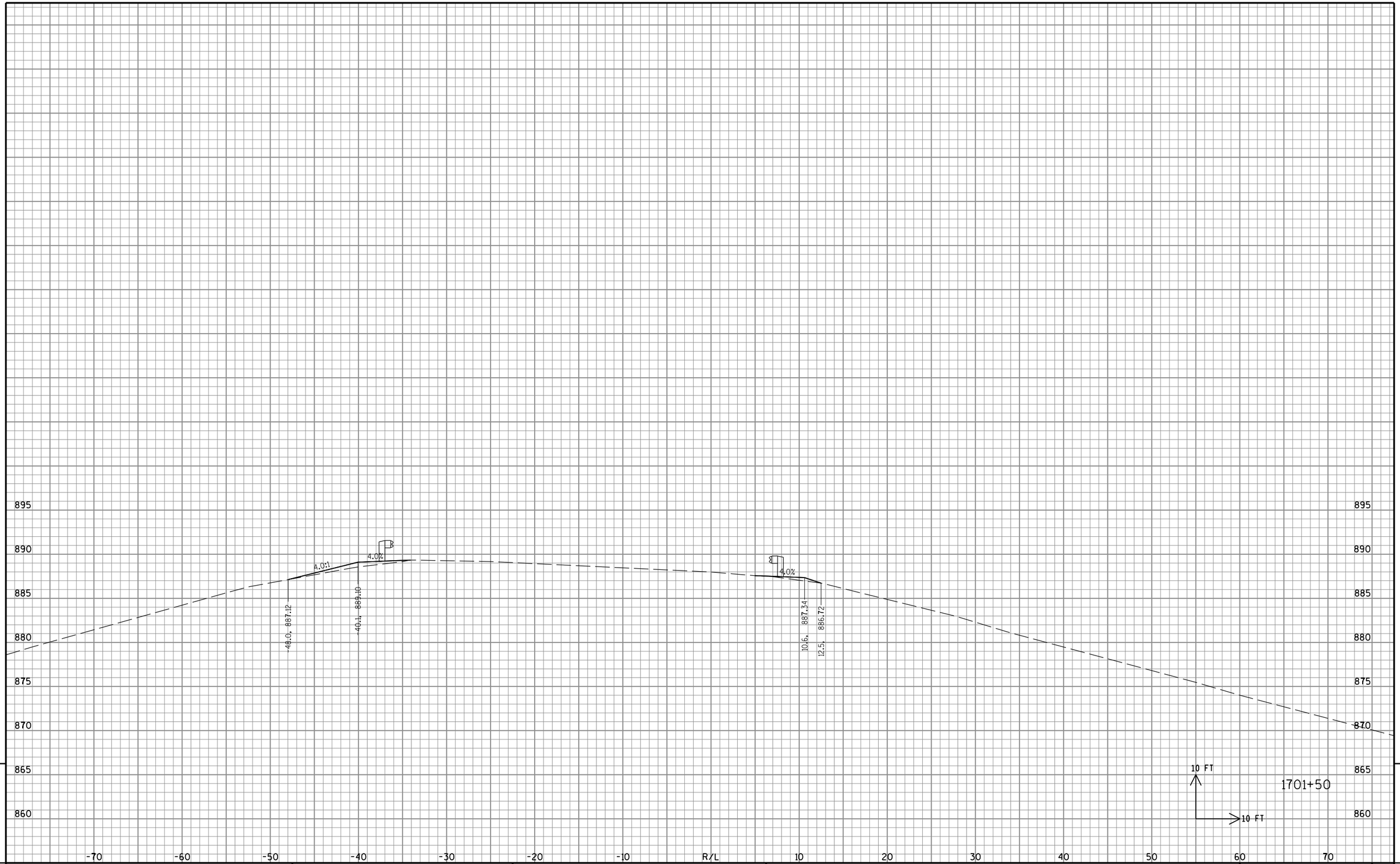


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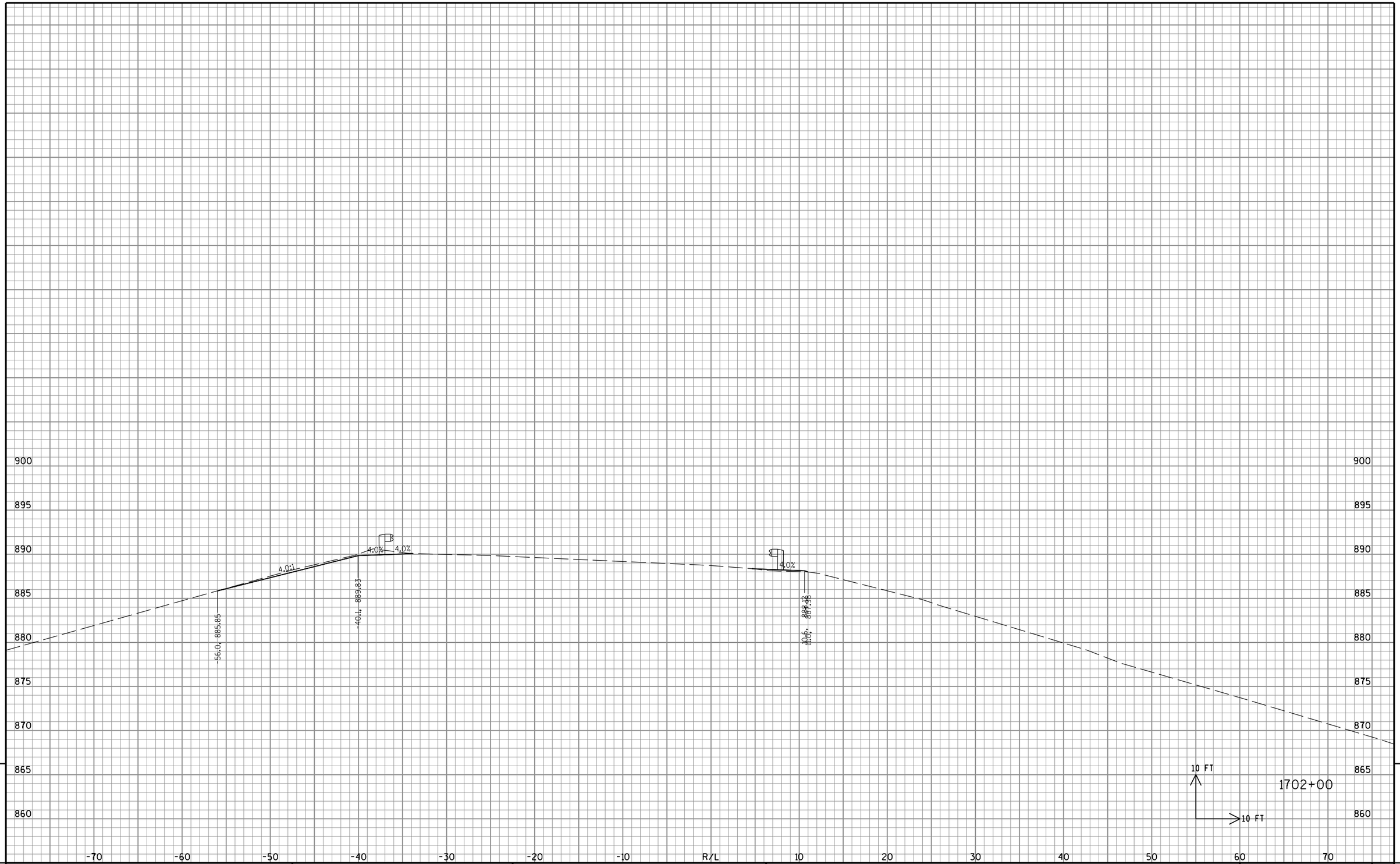


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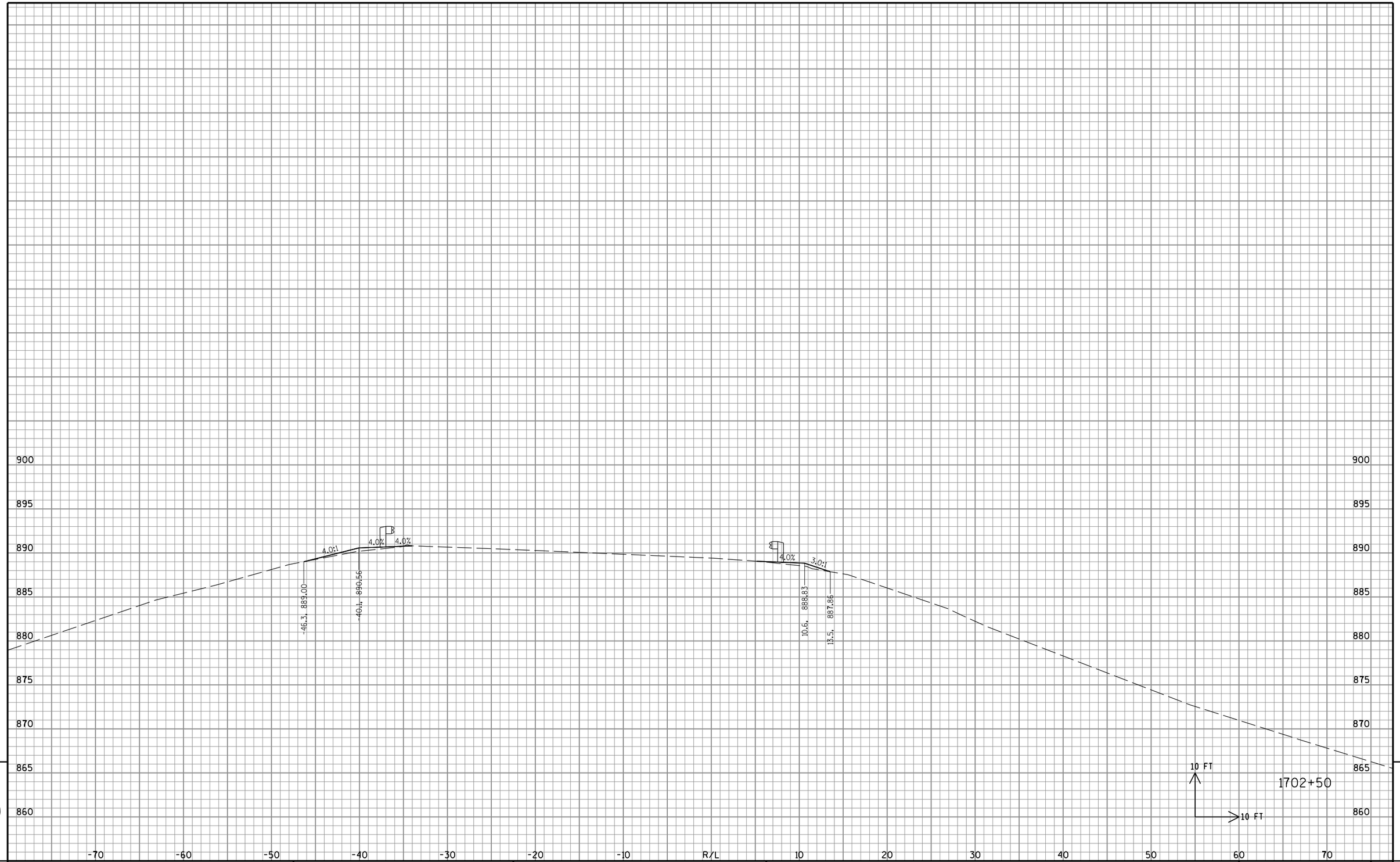
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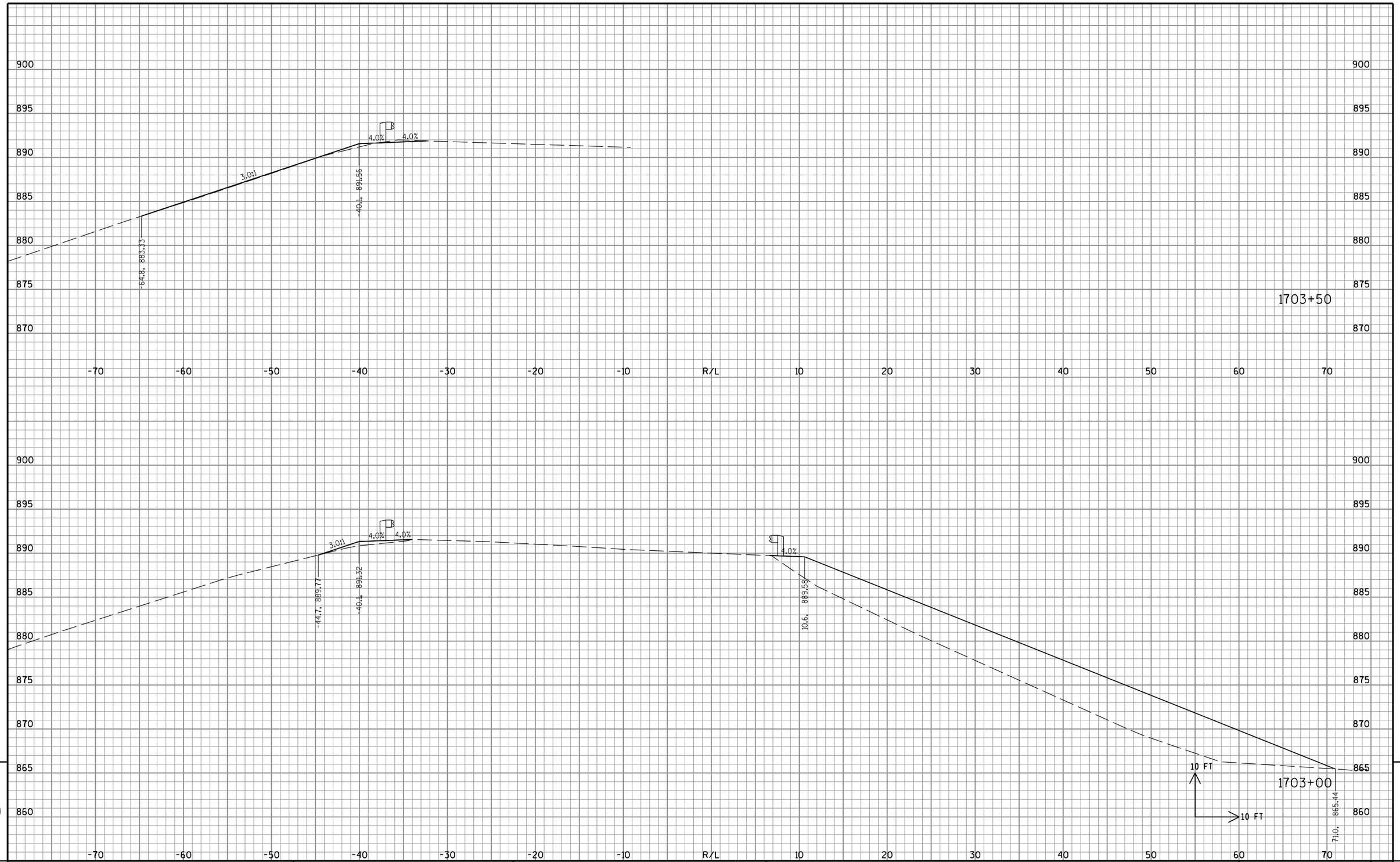
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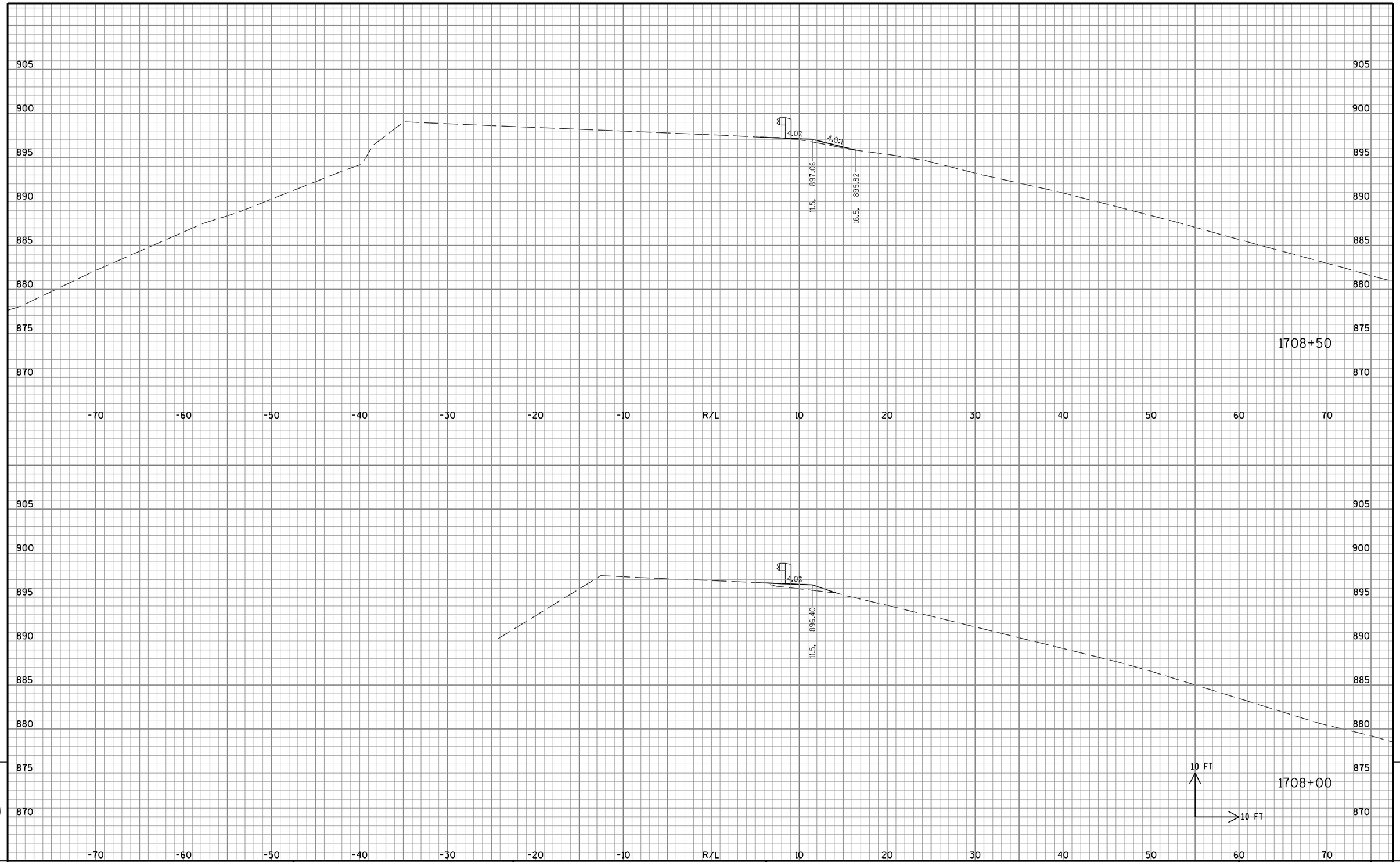
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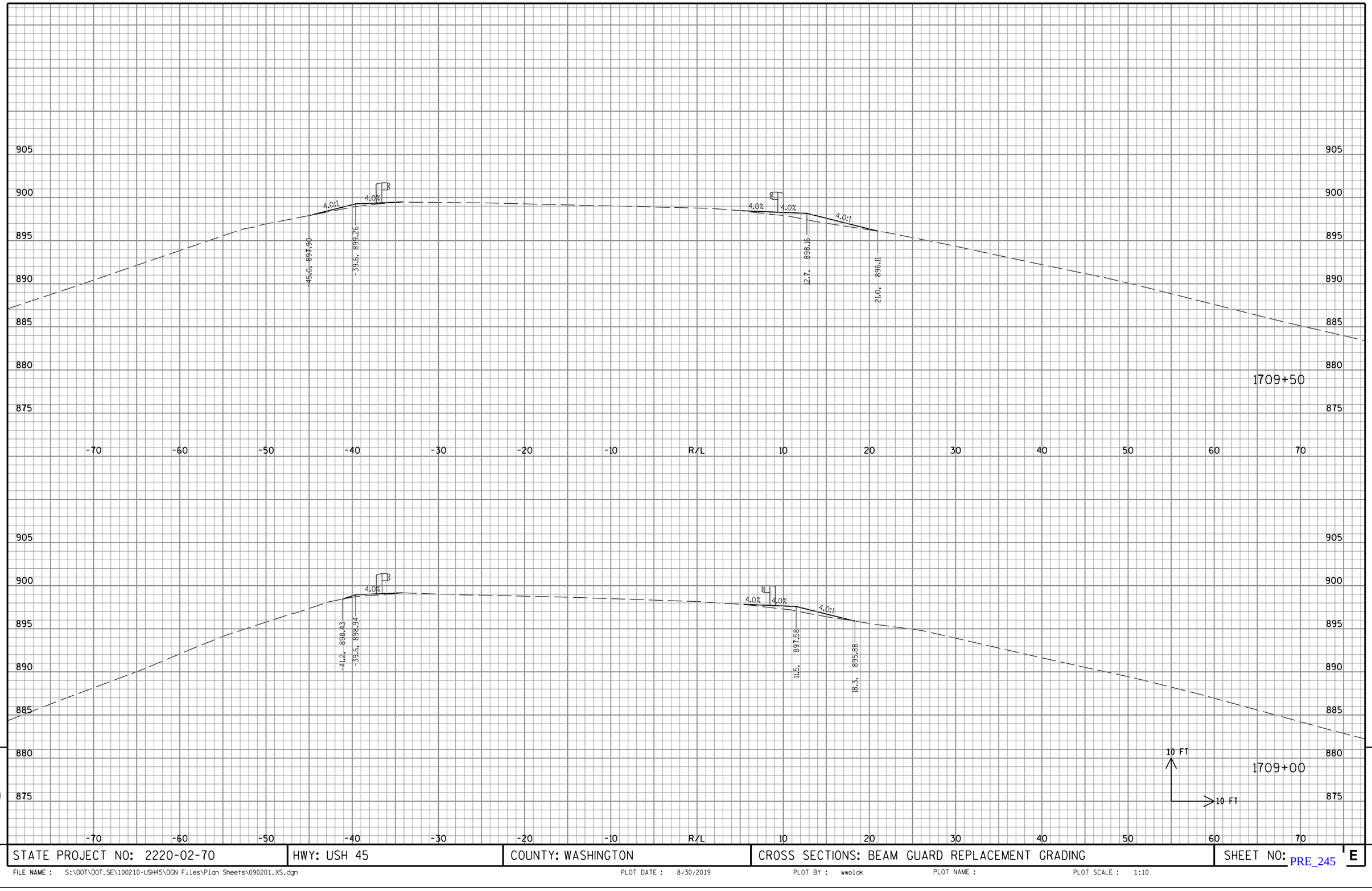


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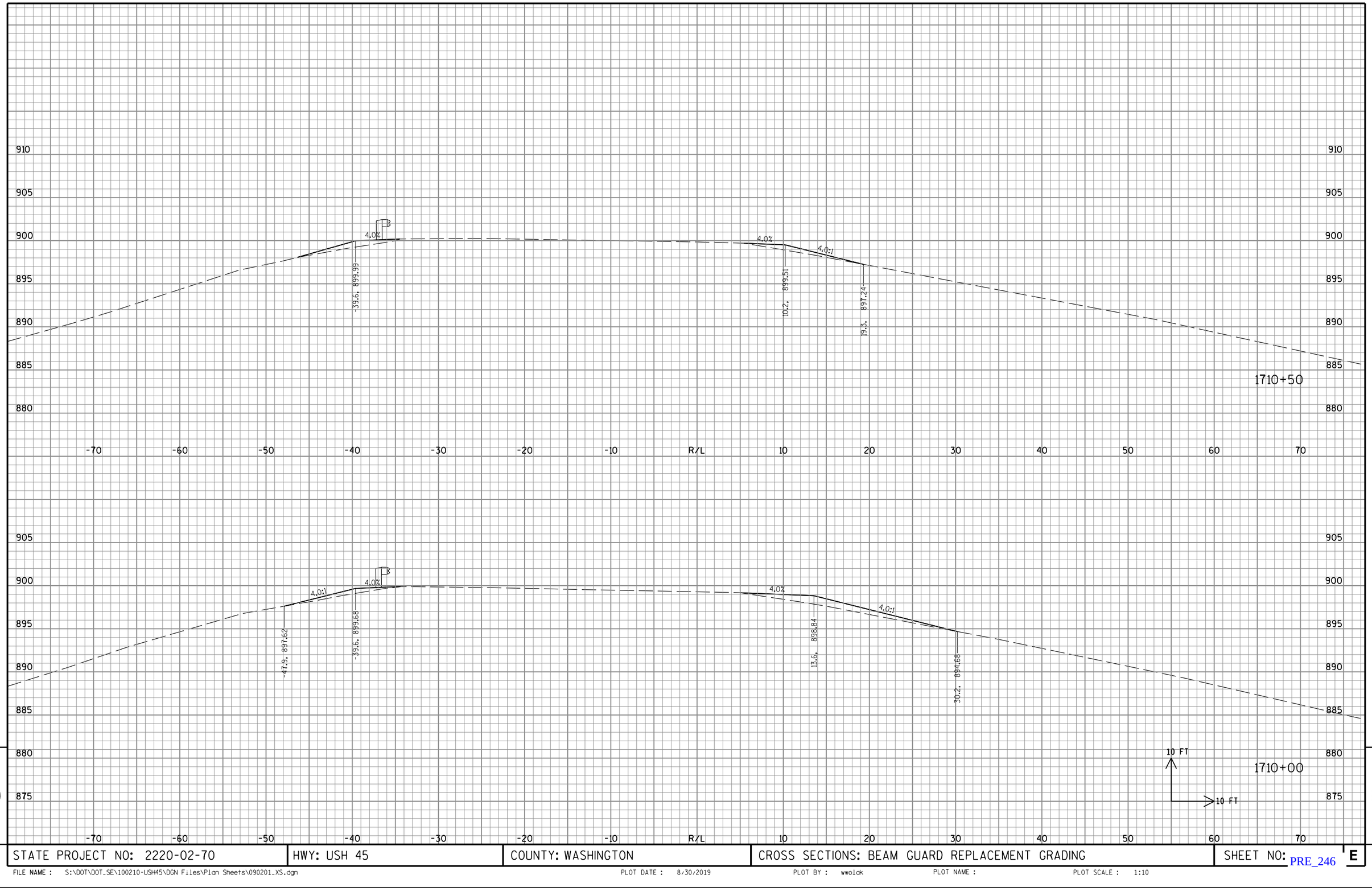
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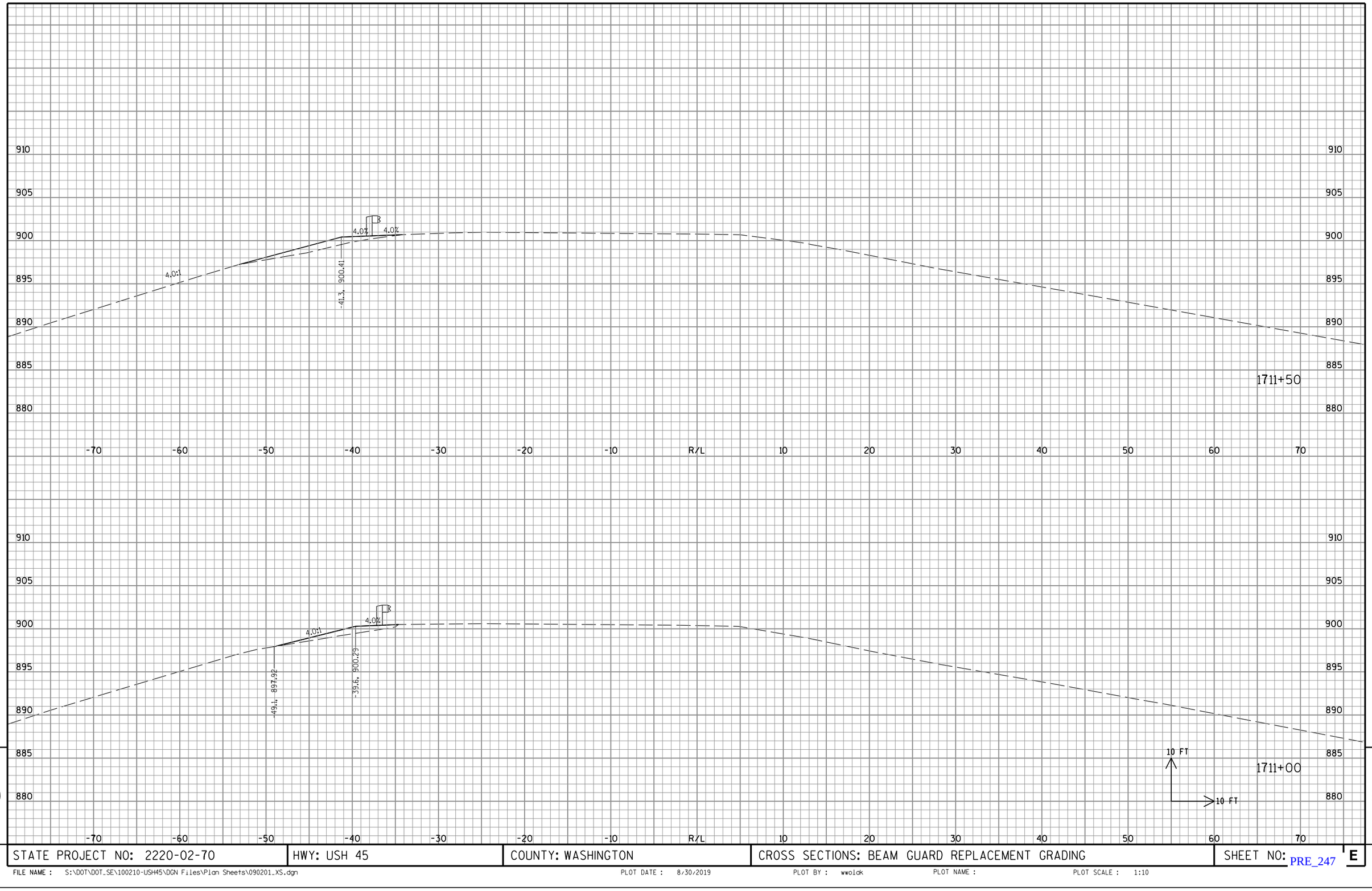


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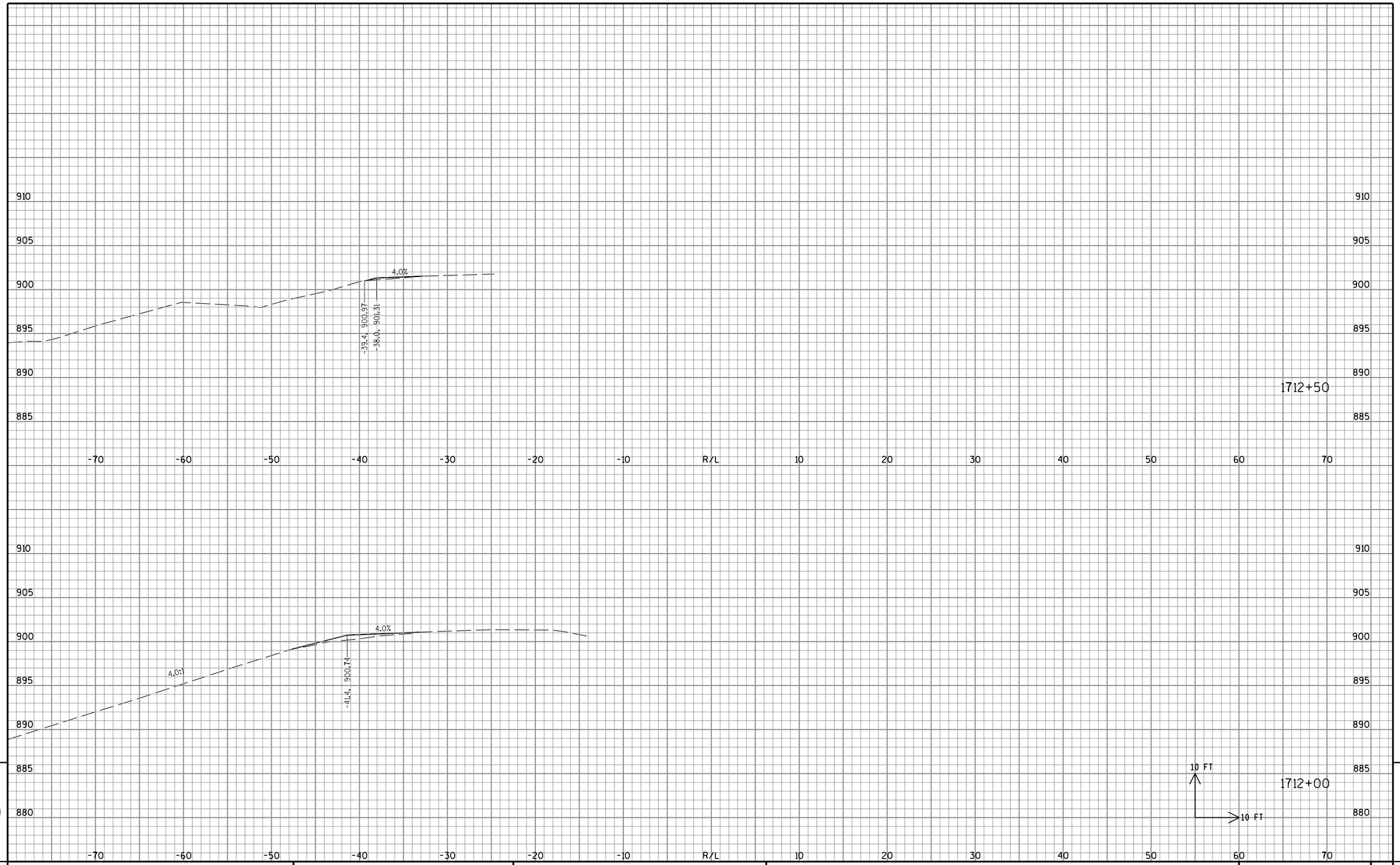


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_247 E

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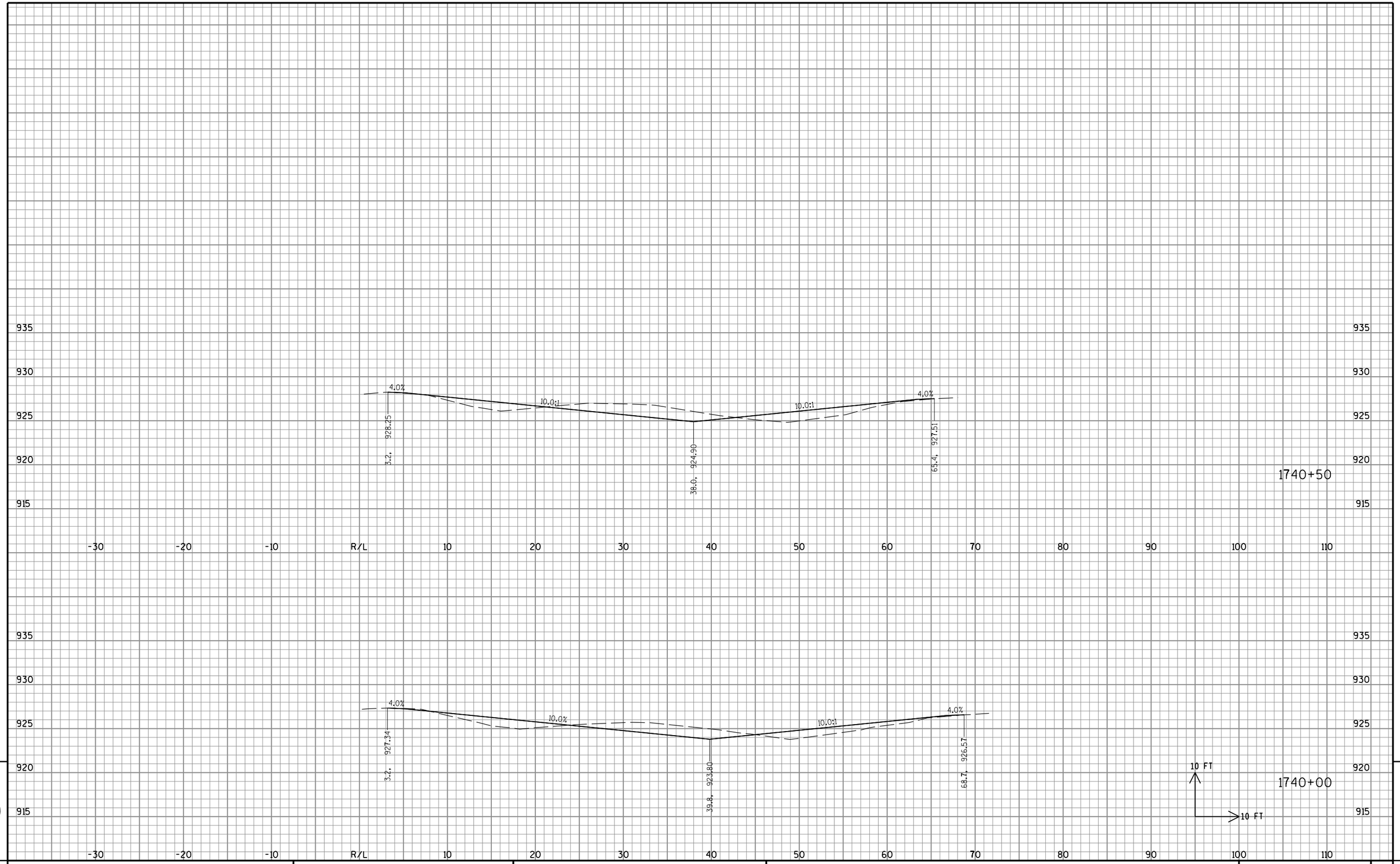


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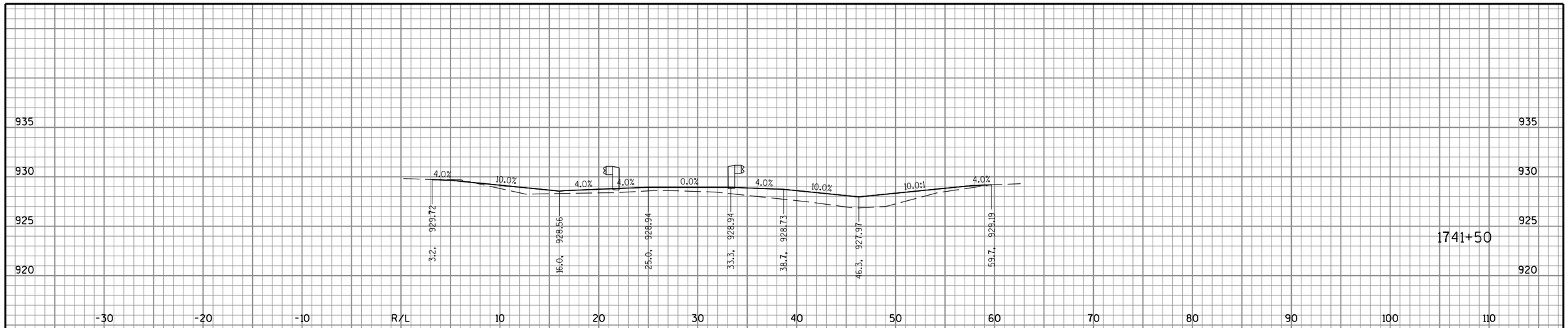
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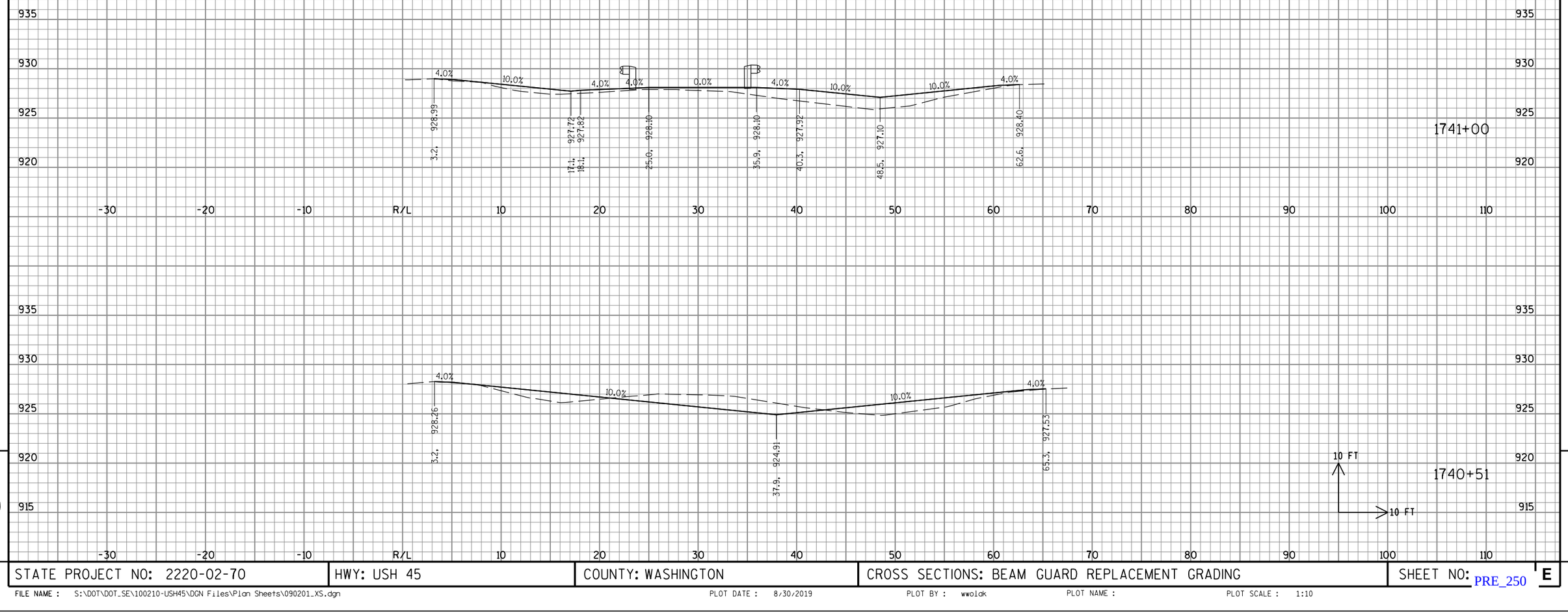
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PRE_249

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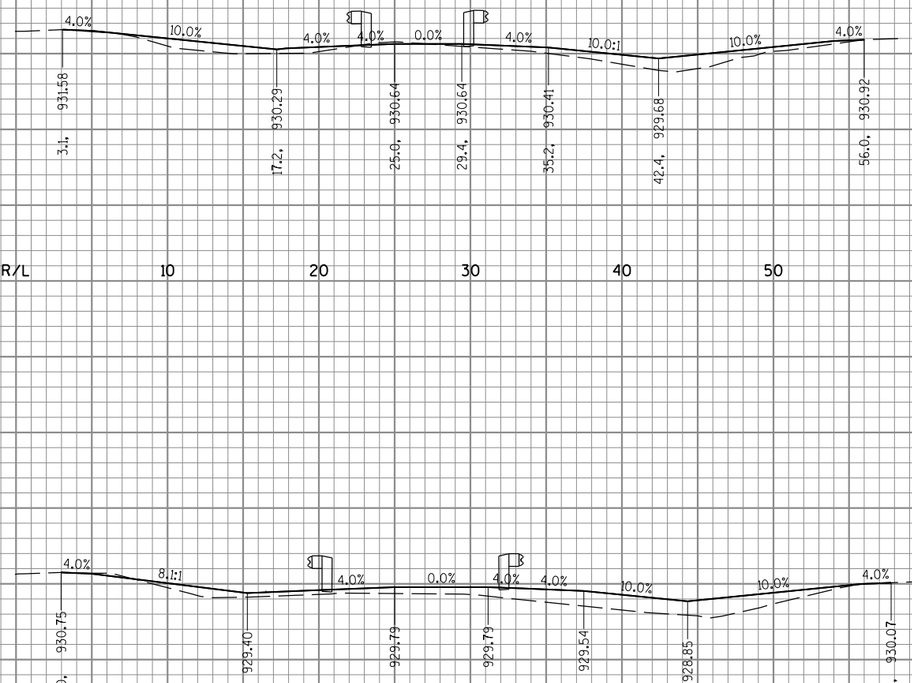


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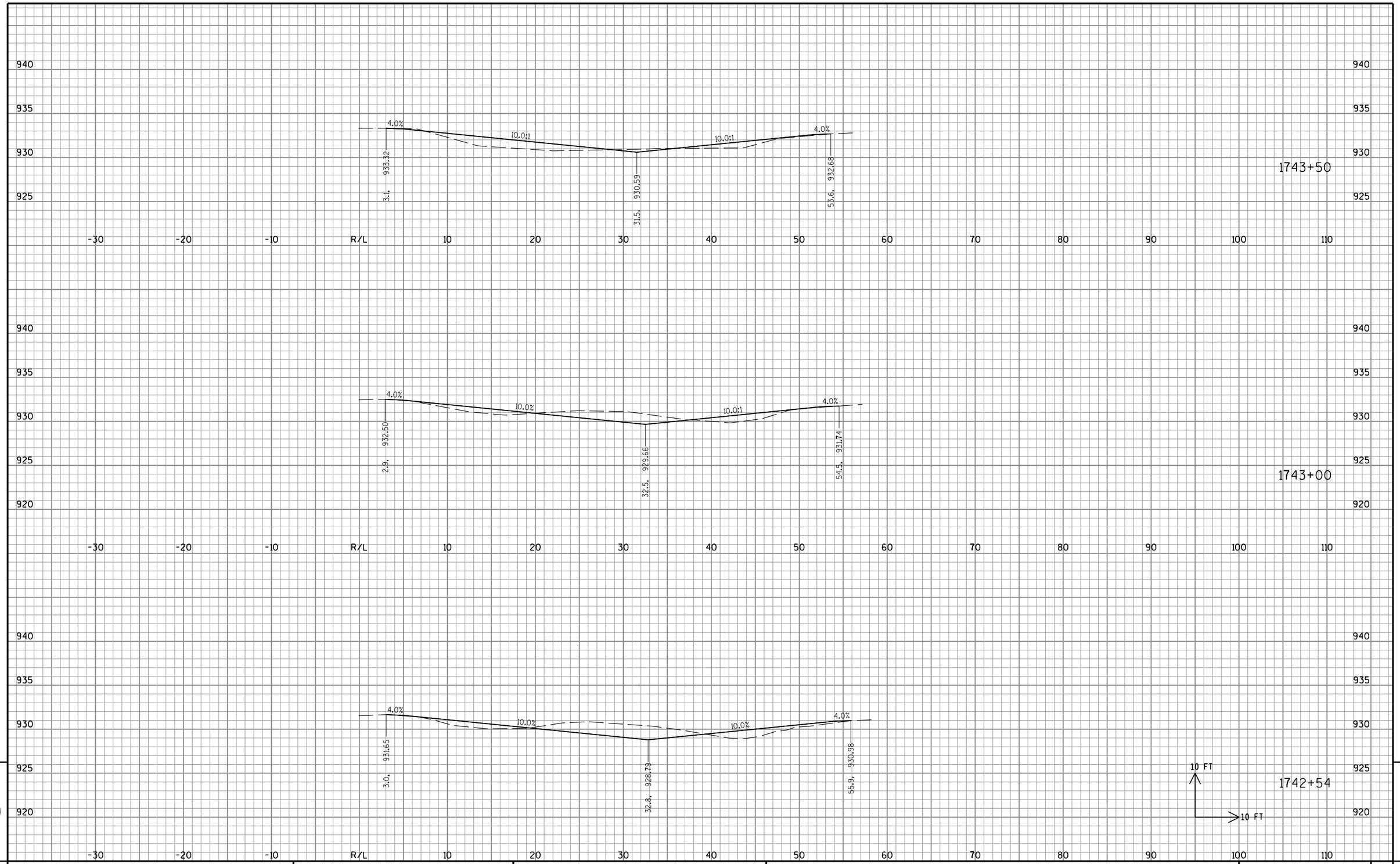


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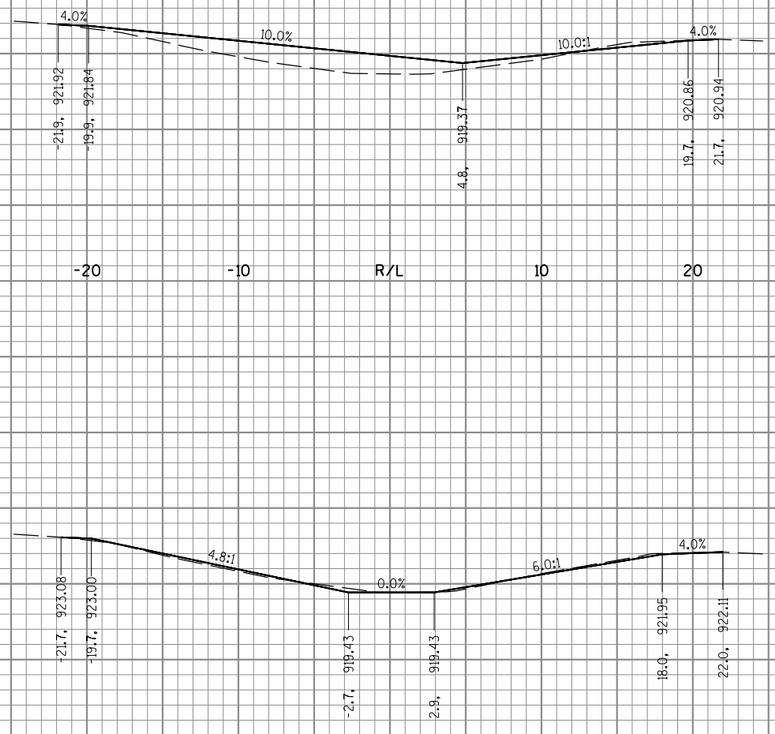


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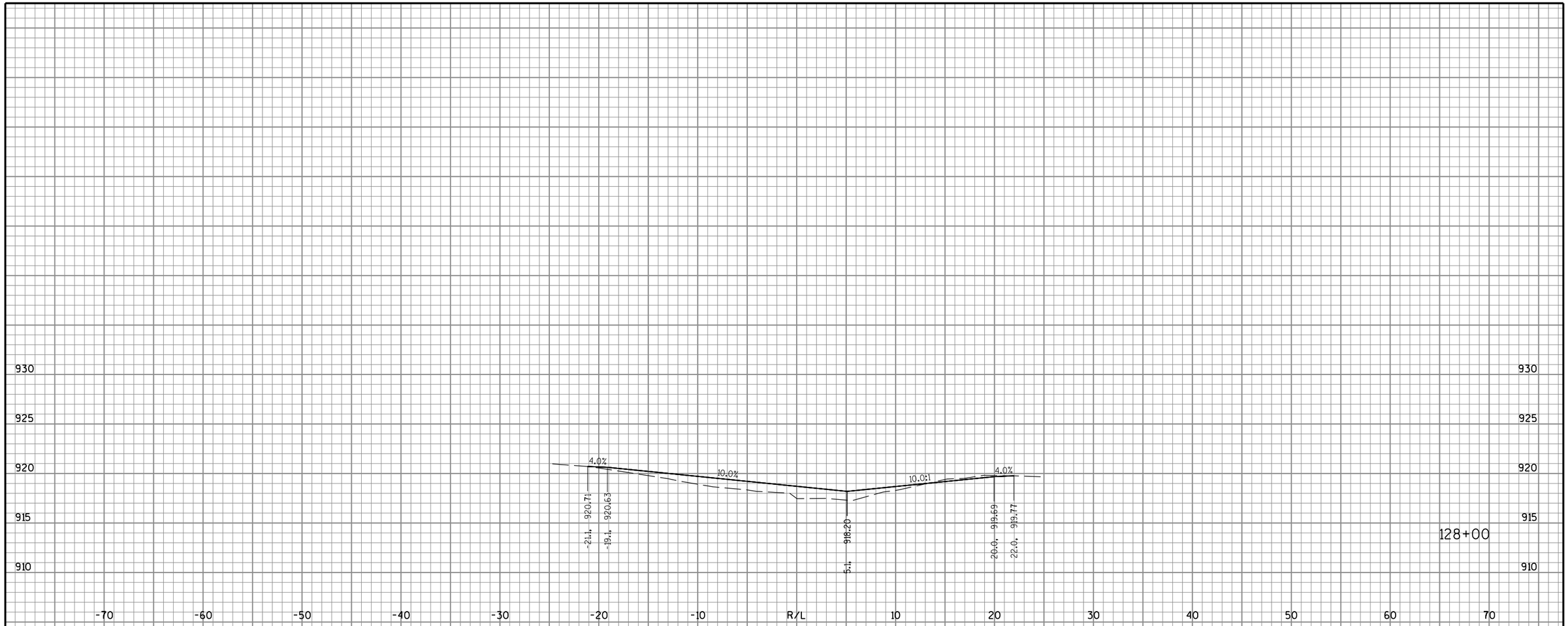


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

PRE_254

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920
915
910

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4.0%
4.0%
4.2:1

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-11.1, 918.89
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128+50

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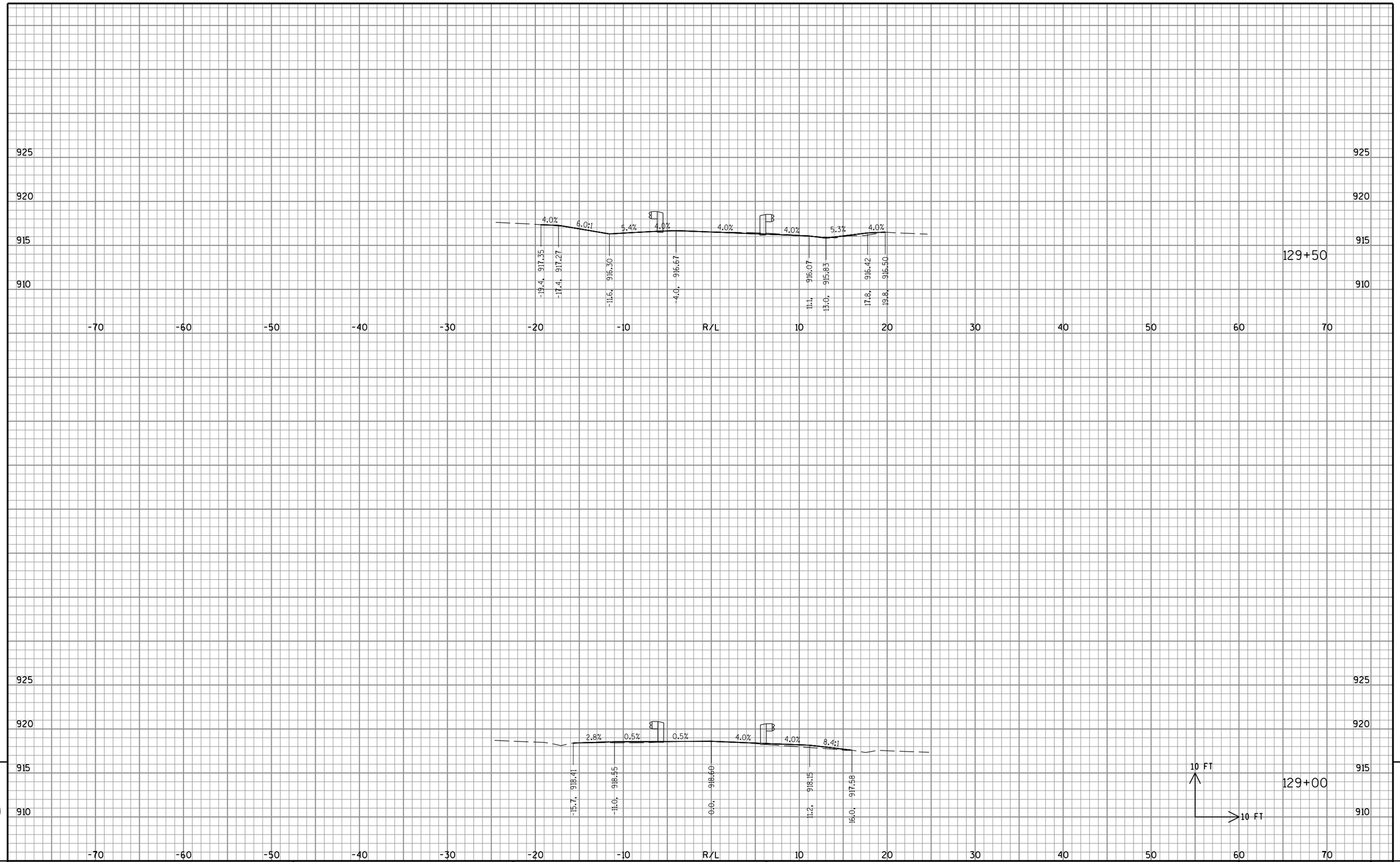
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

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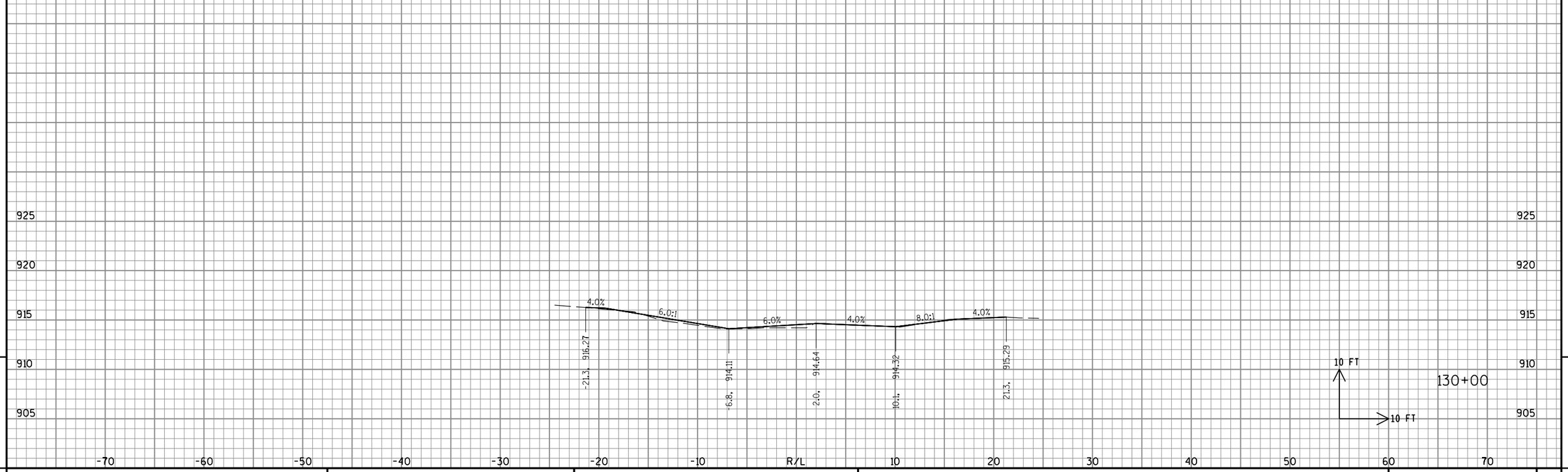


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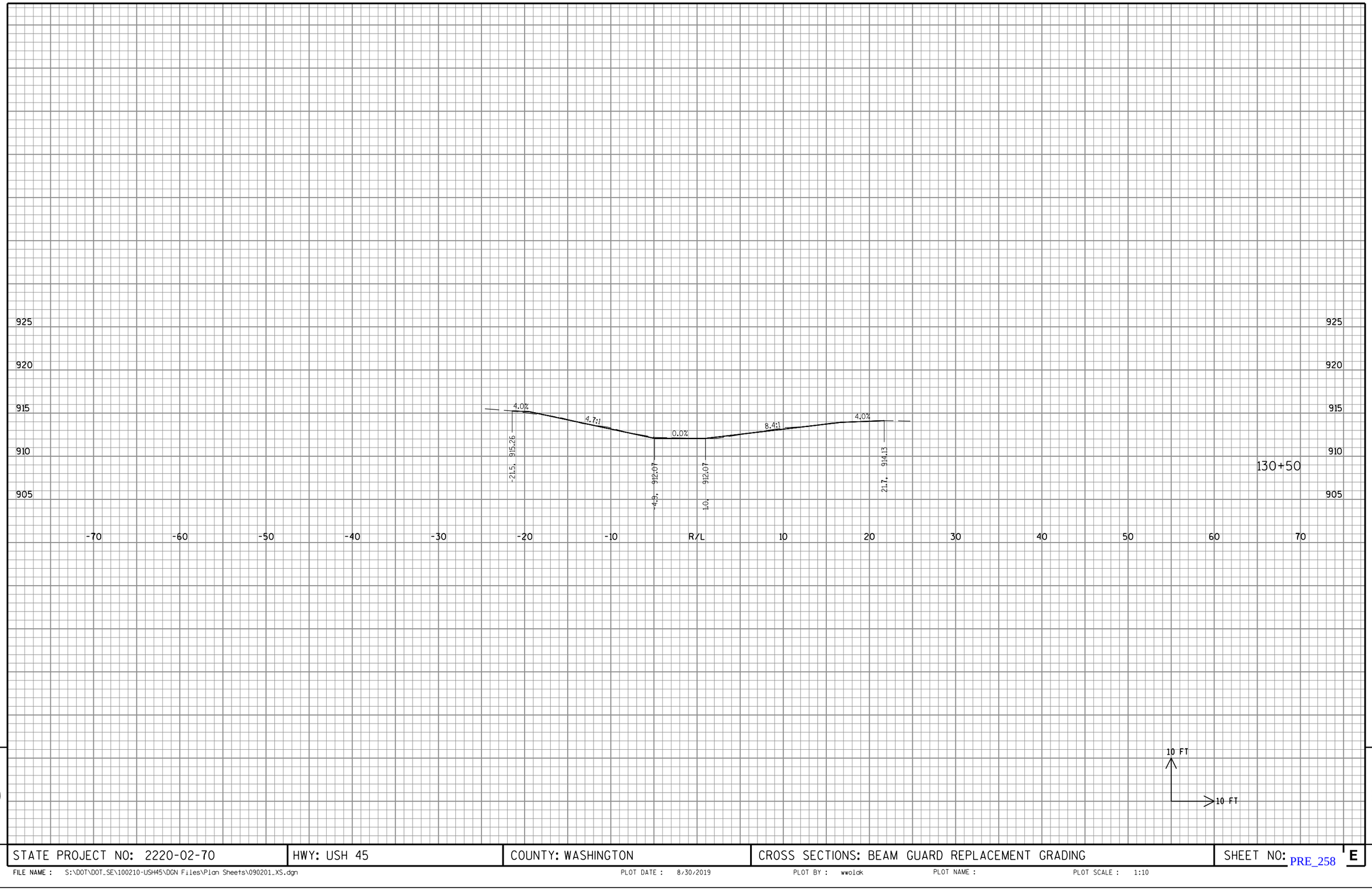
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_256 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_257 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

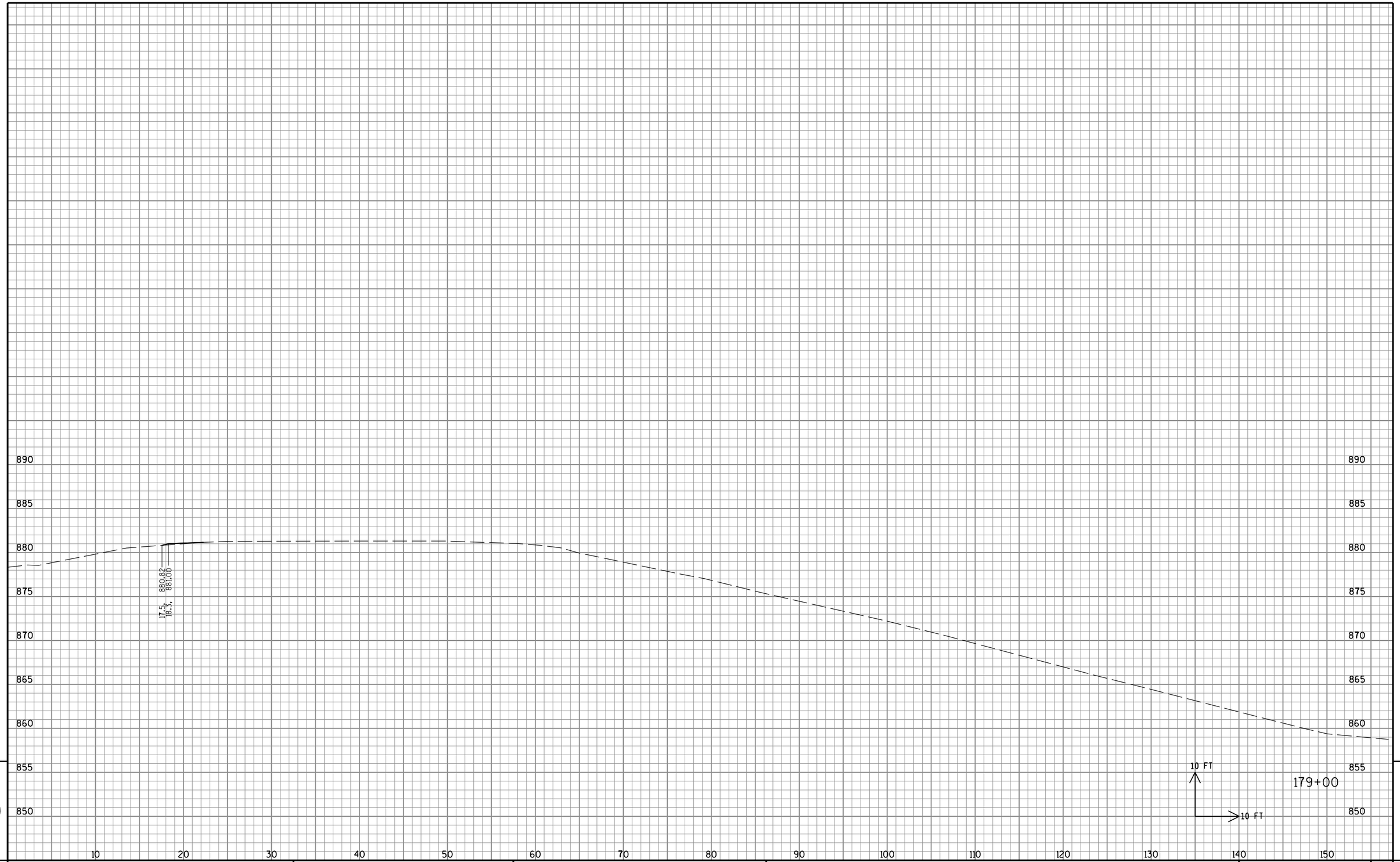


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_258 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

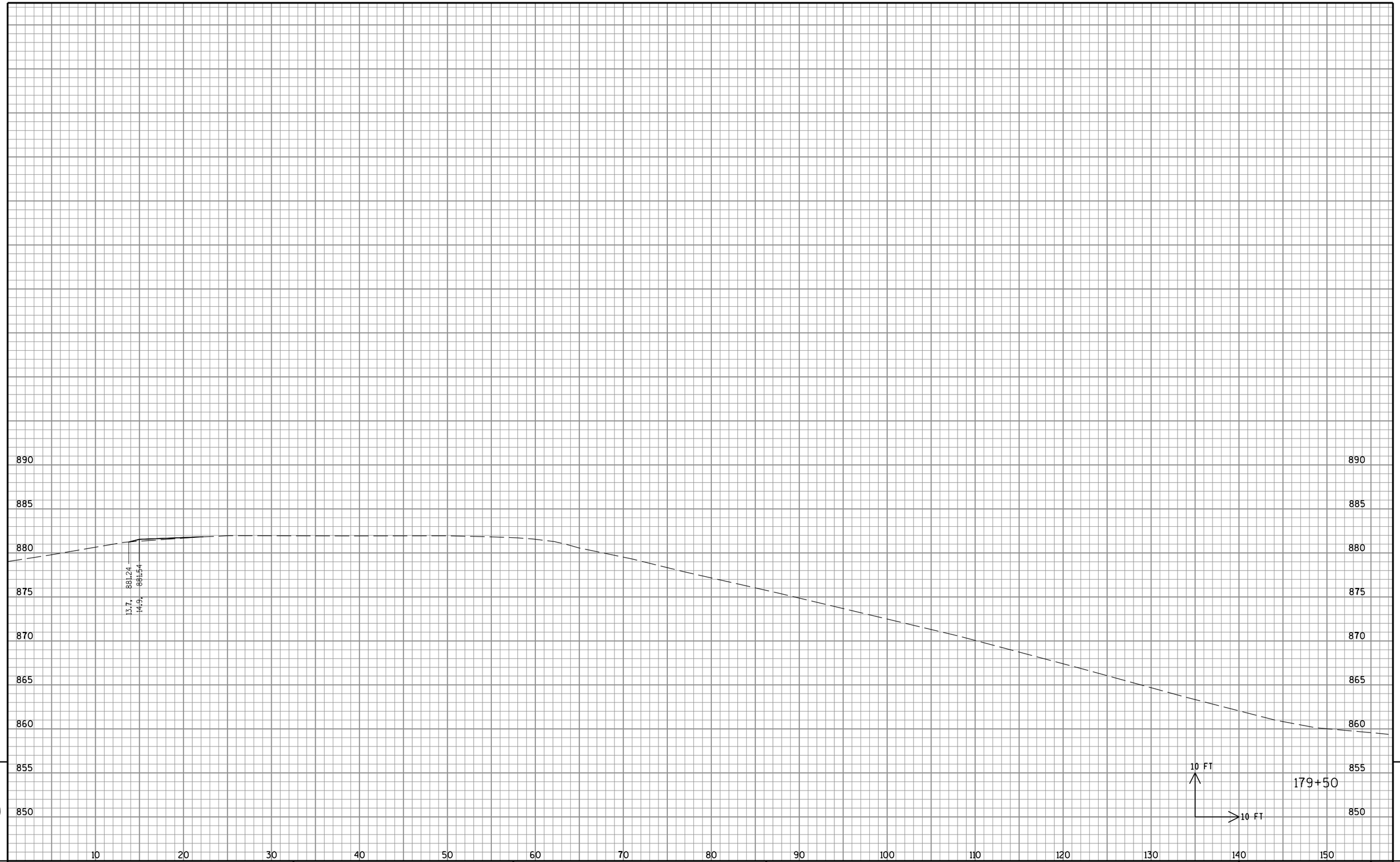


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_259 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

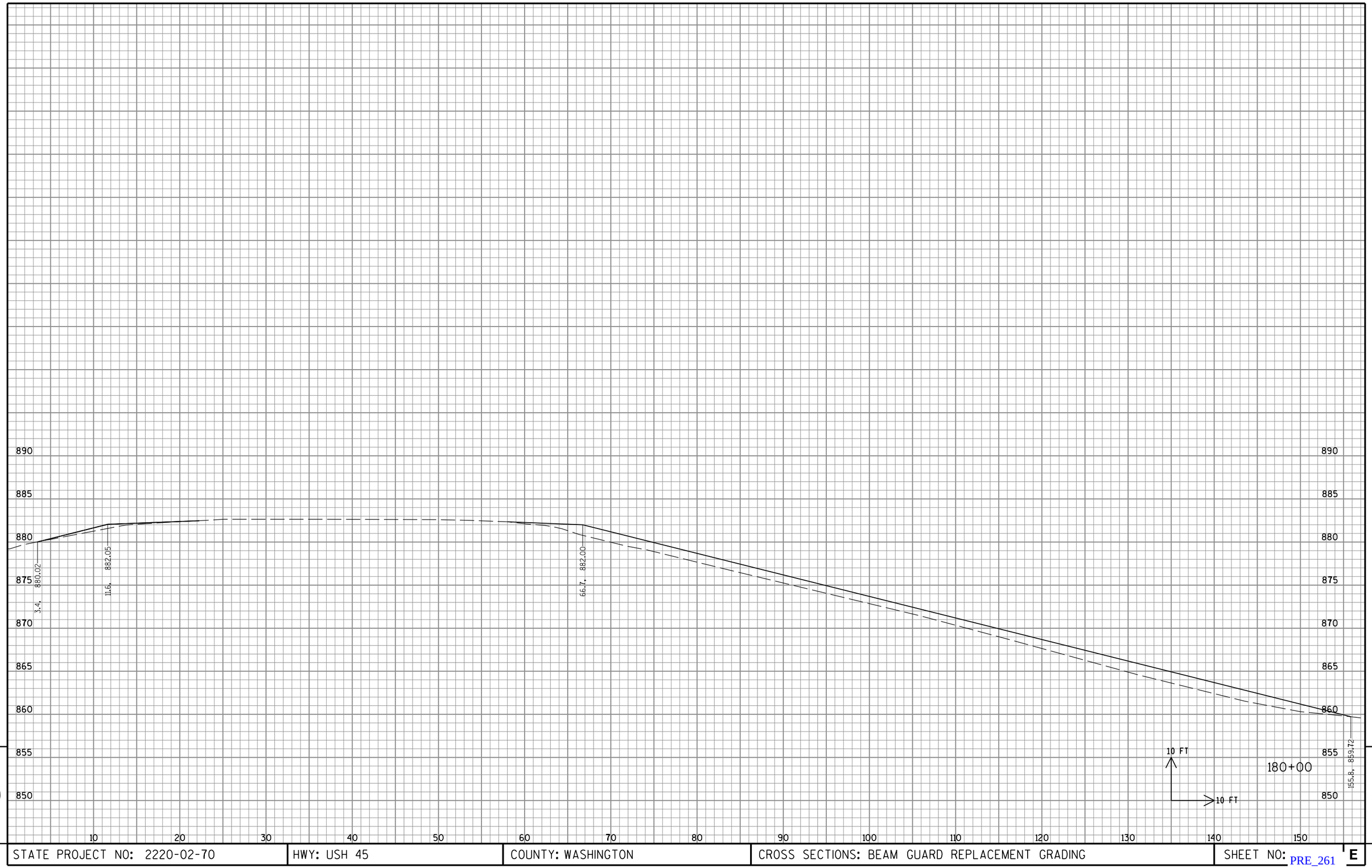


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_260 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

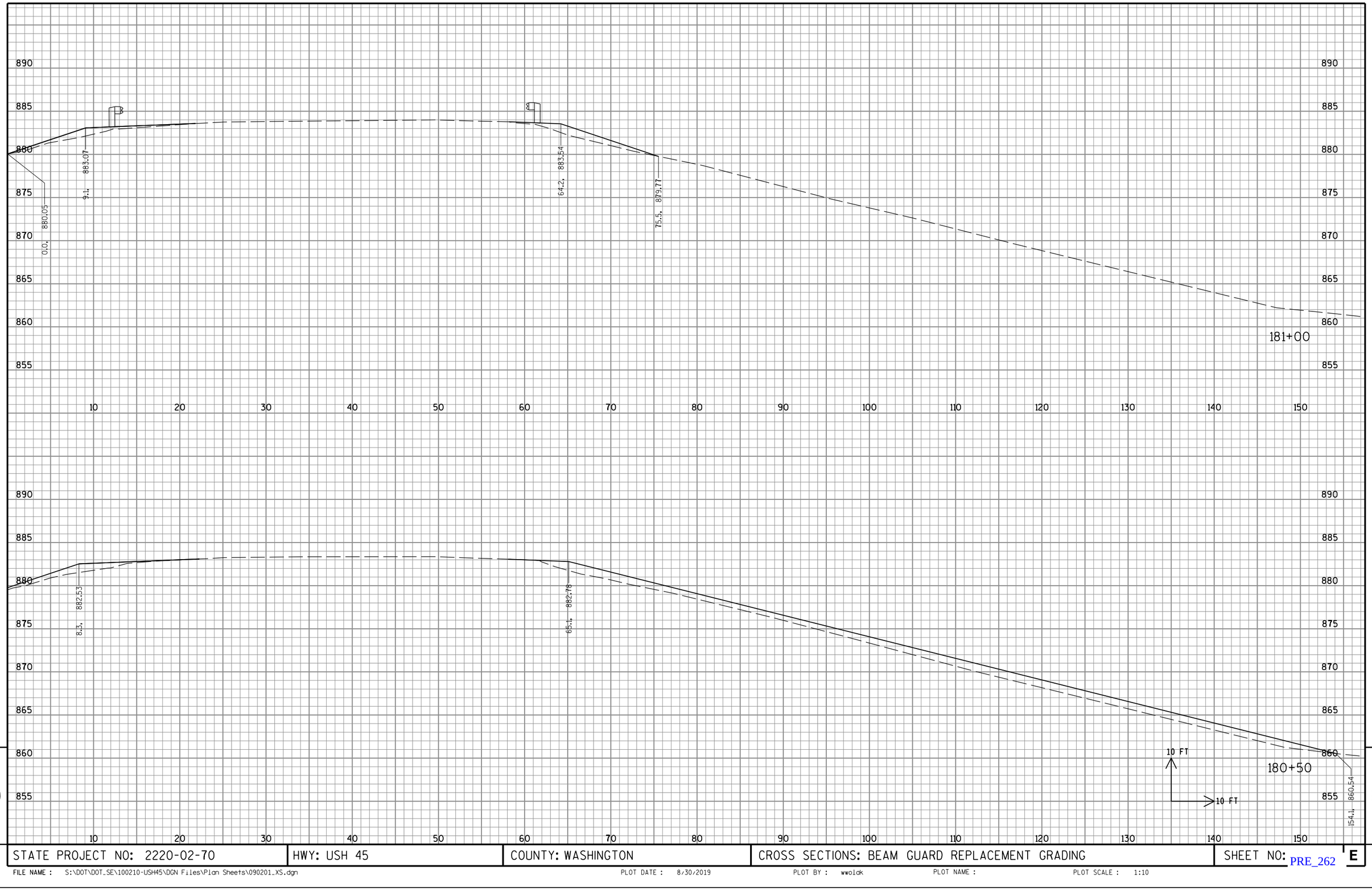


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

PRE_261

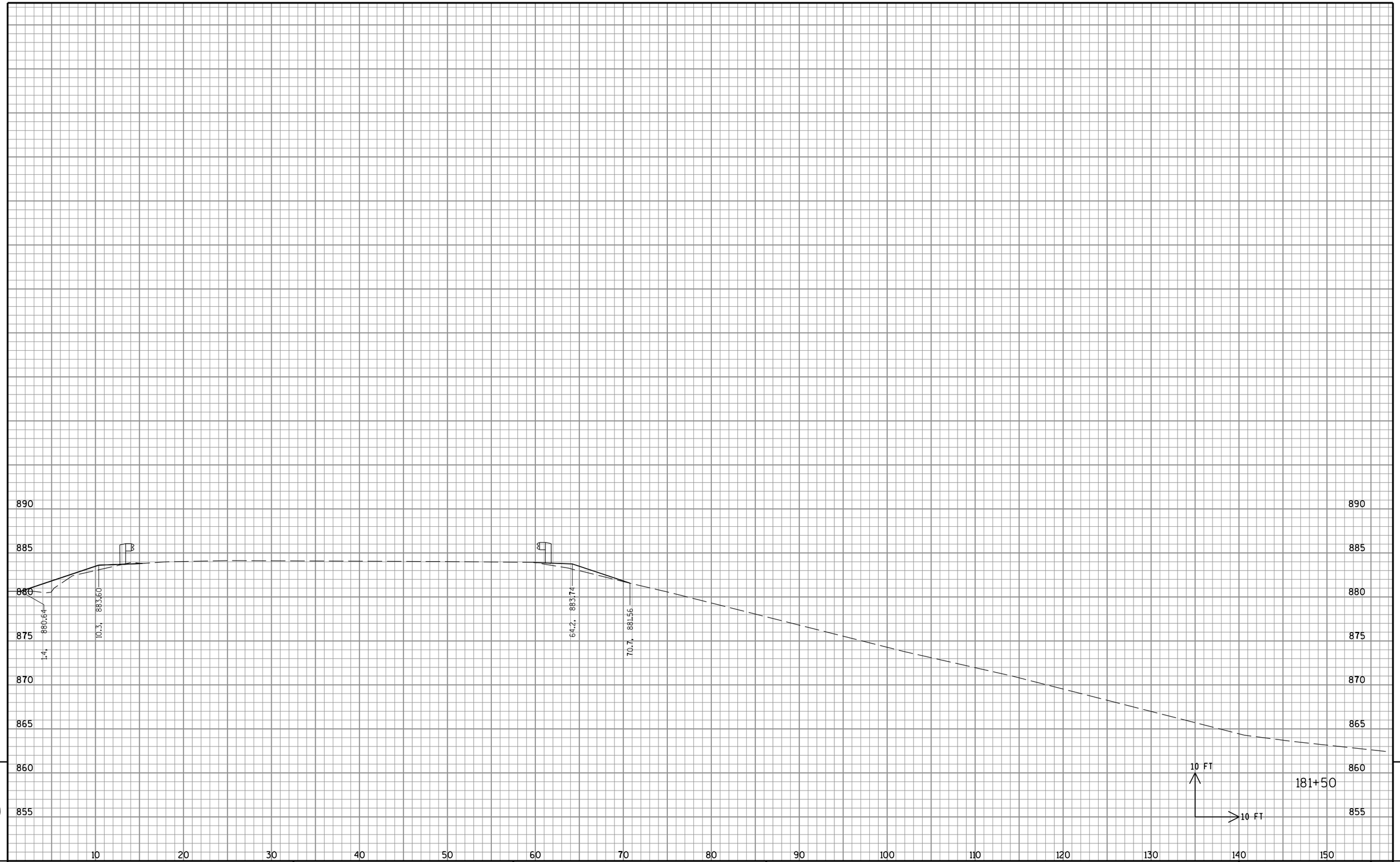
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_262 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

9

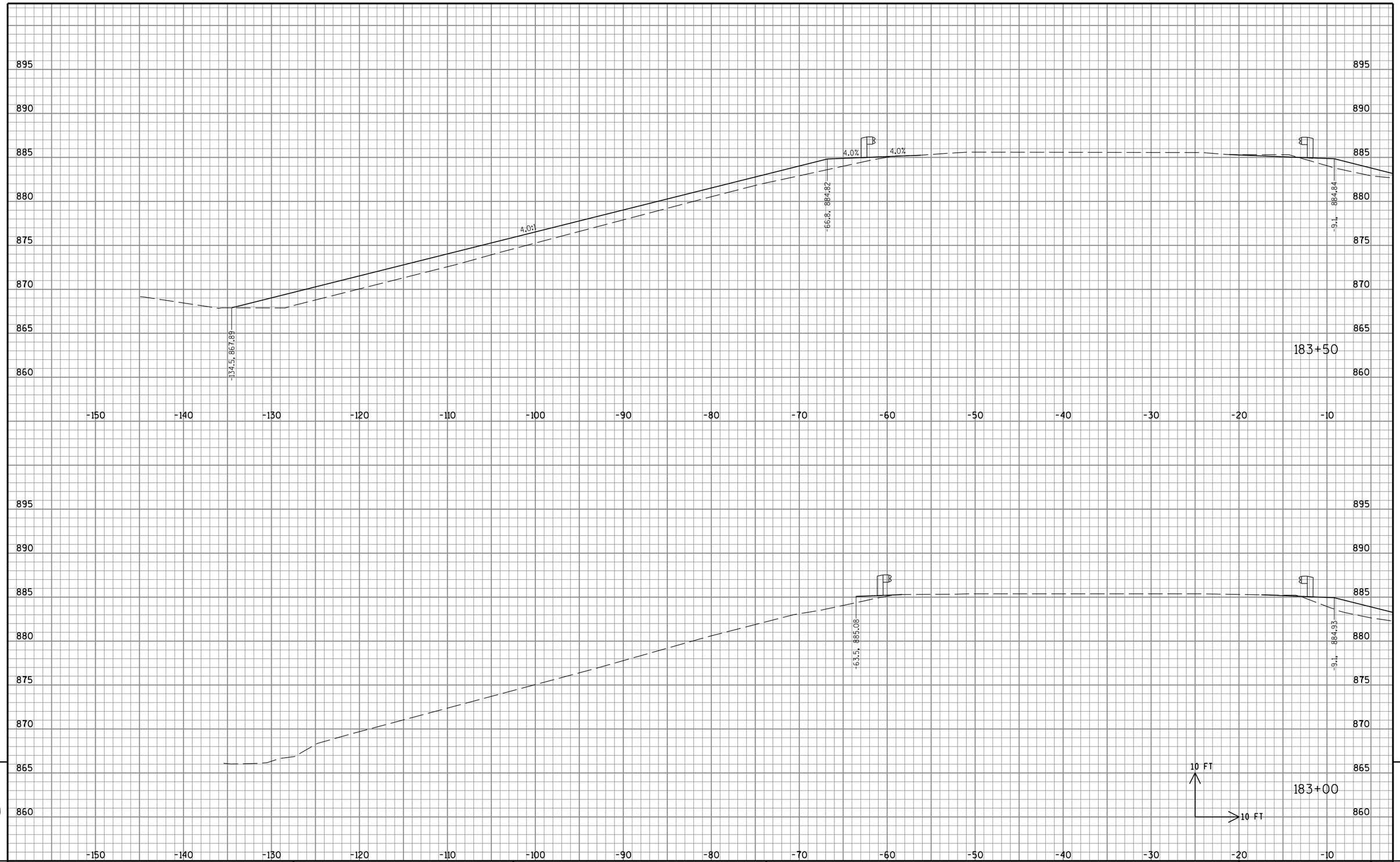


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_263 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

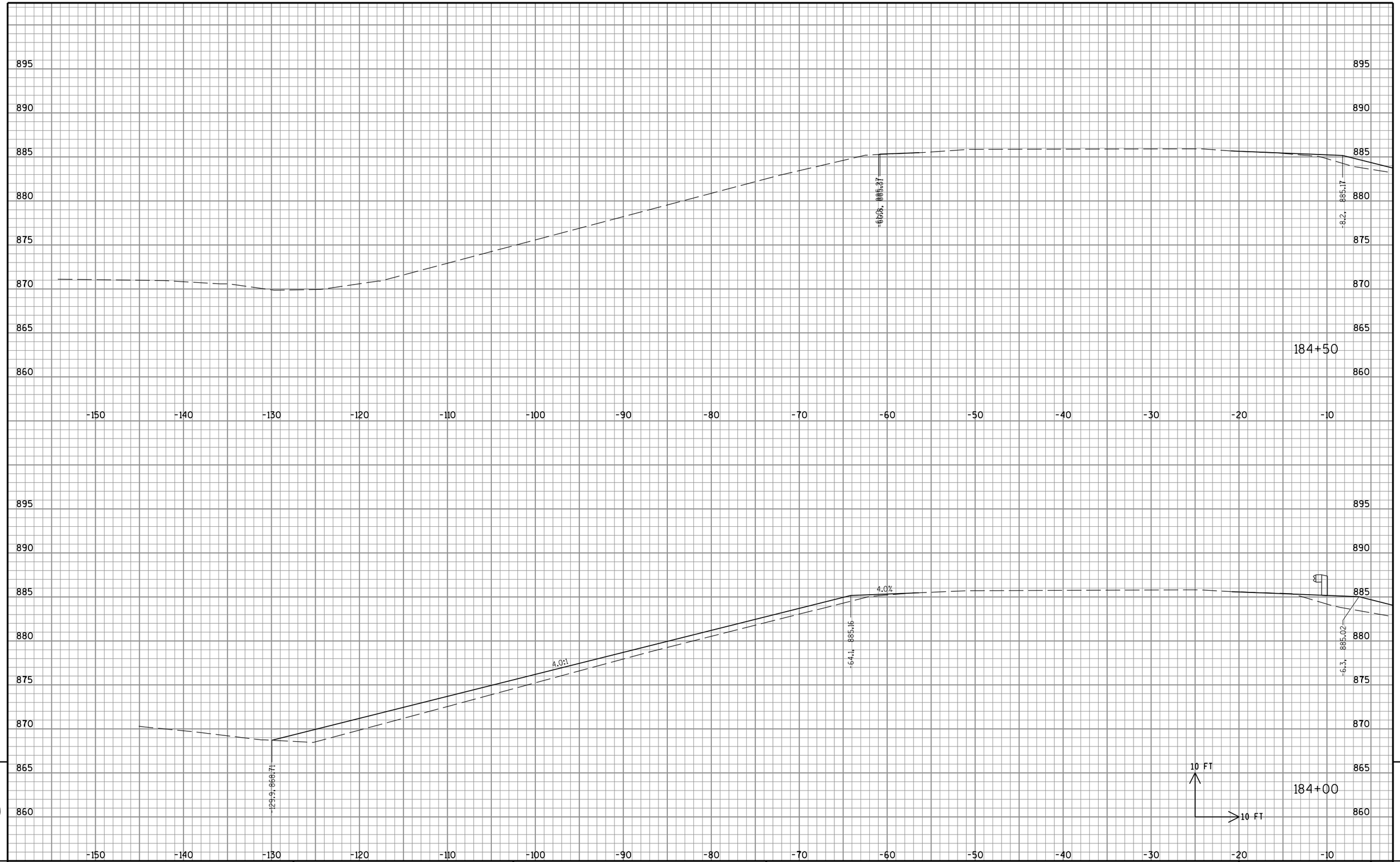


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_264 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

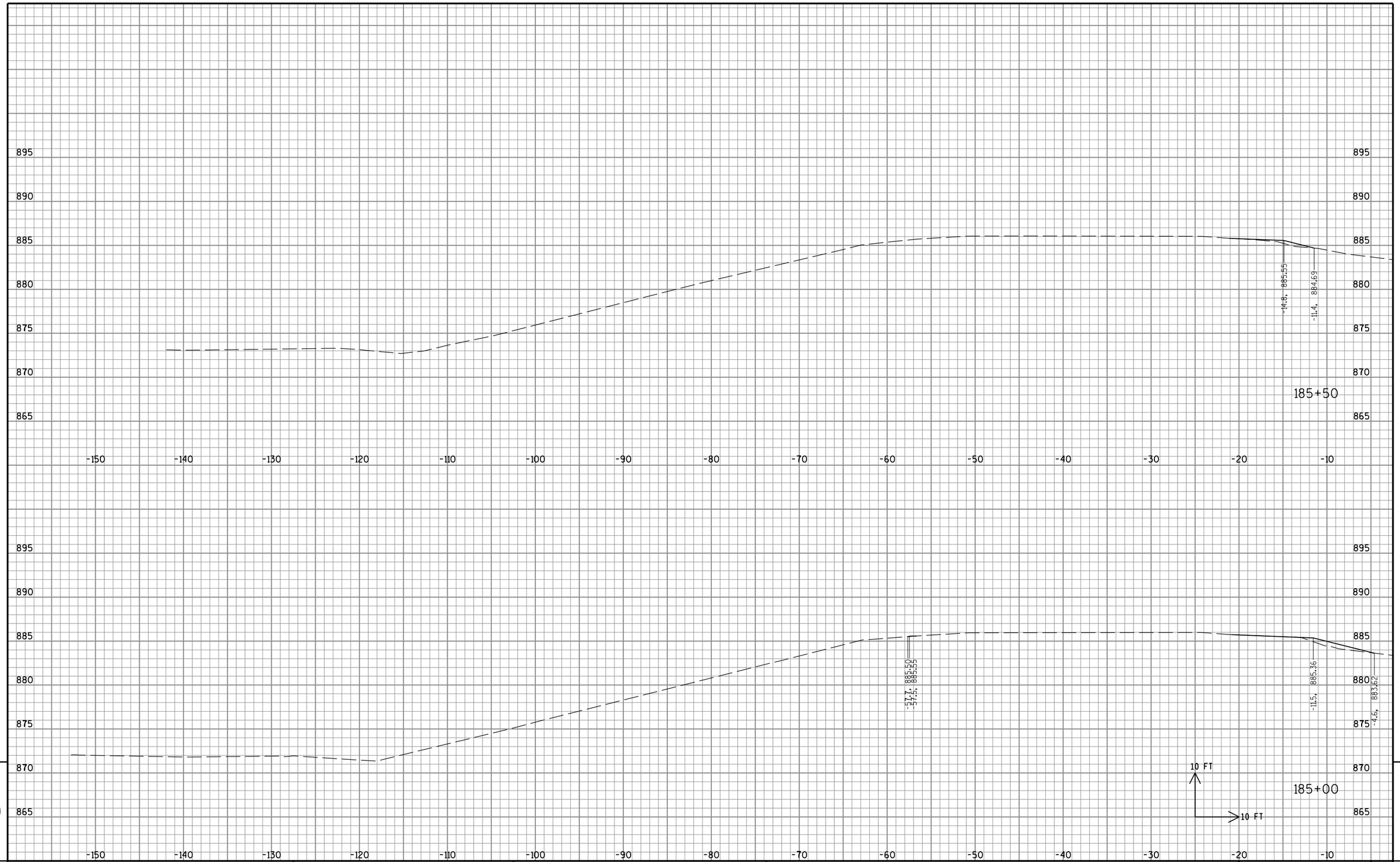


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_265 E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

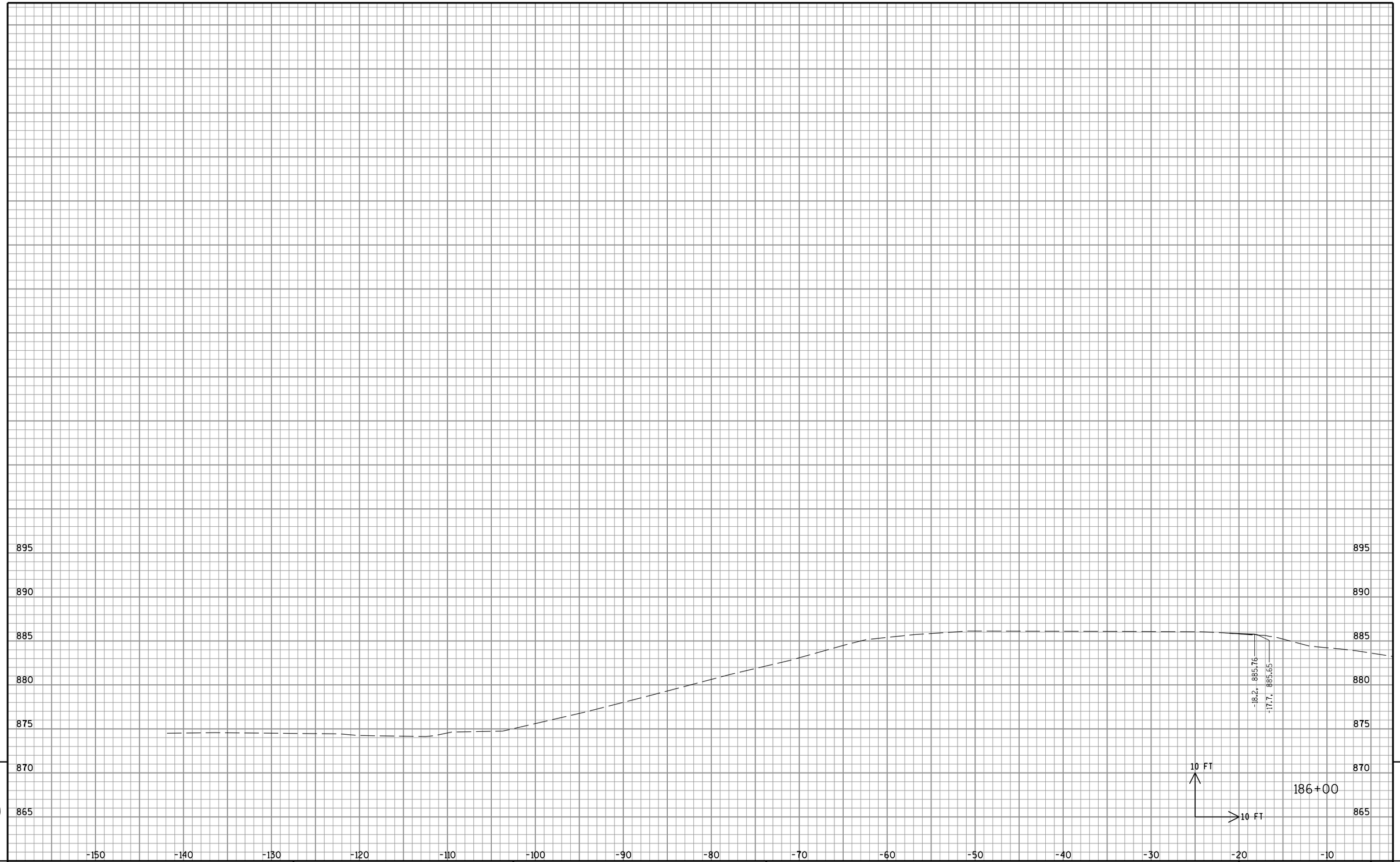


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_266 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

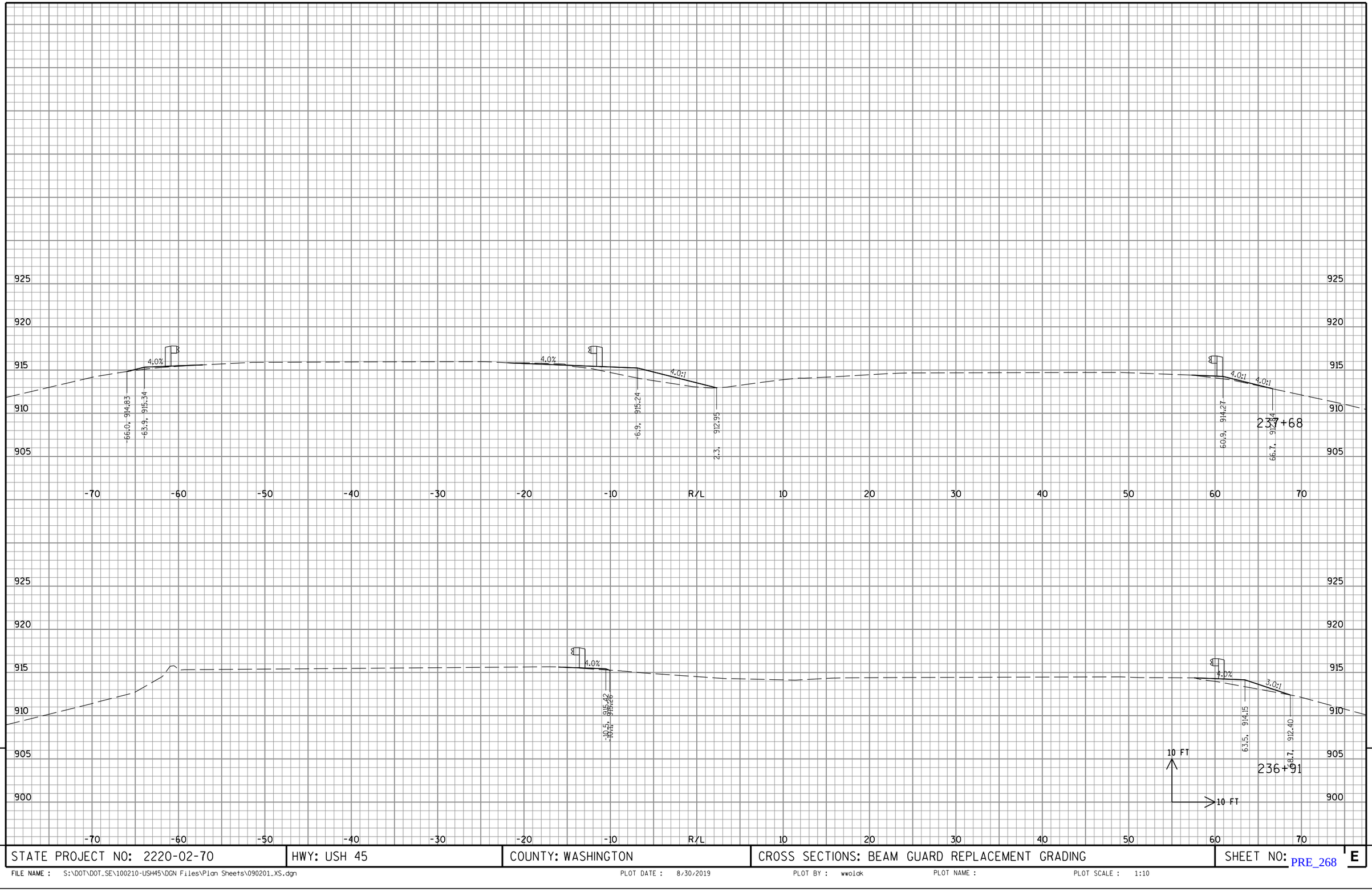


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_267 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

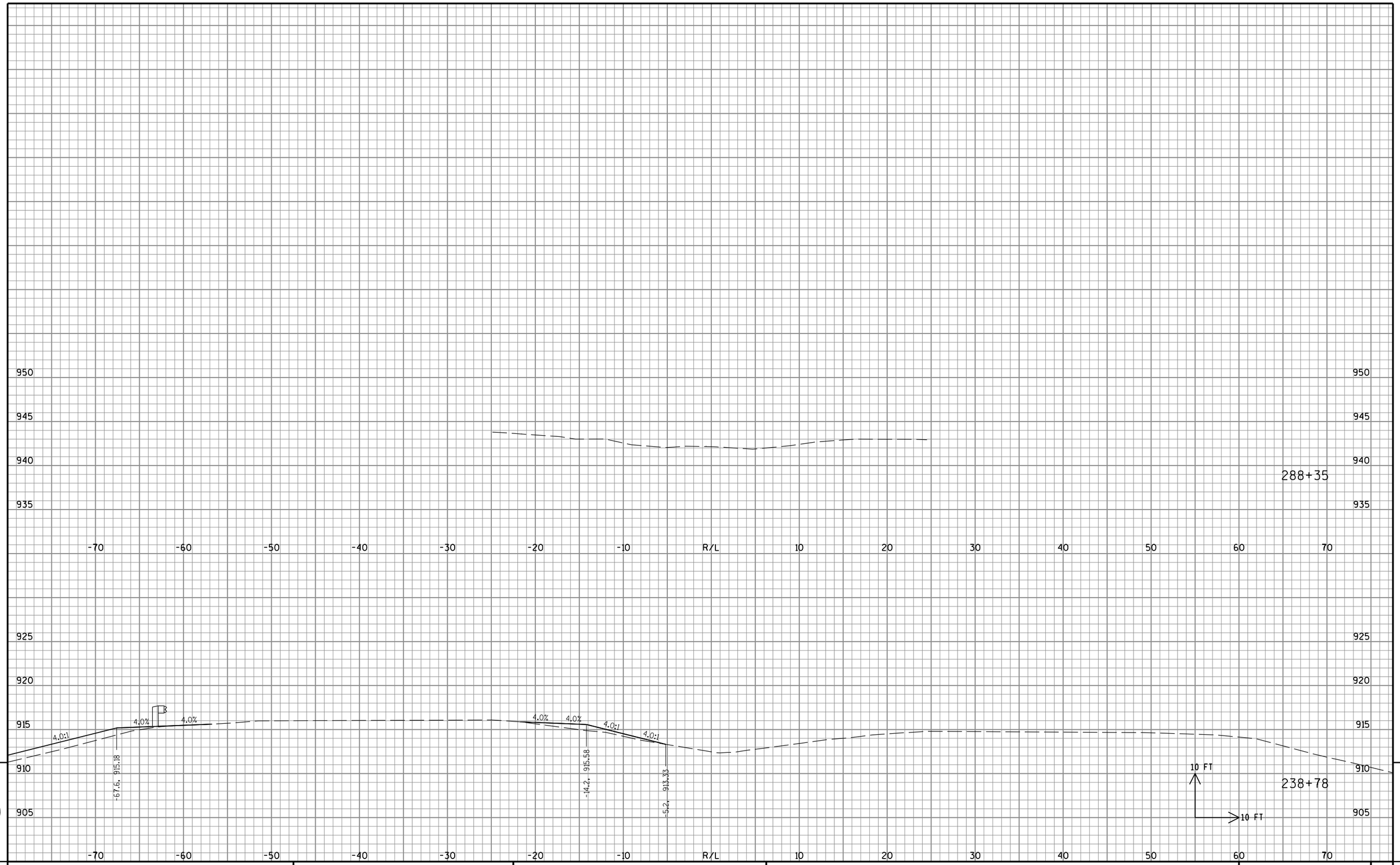


9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_268 E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

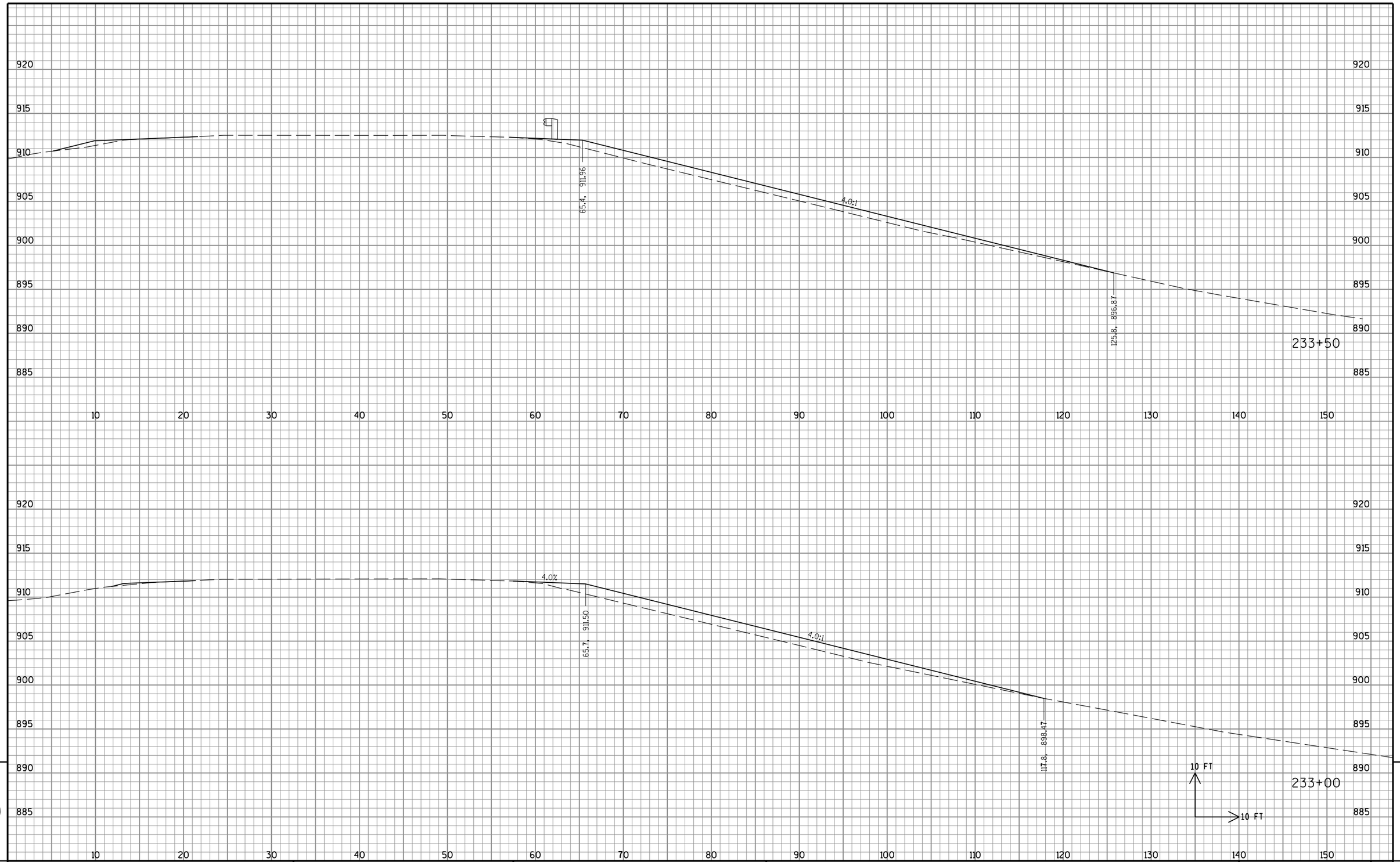


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_269 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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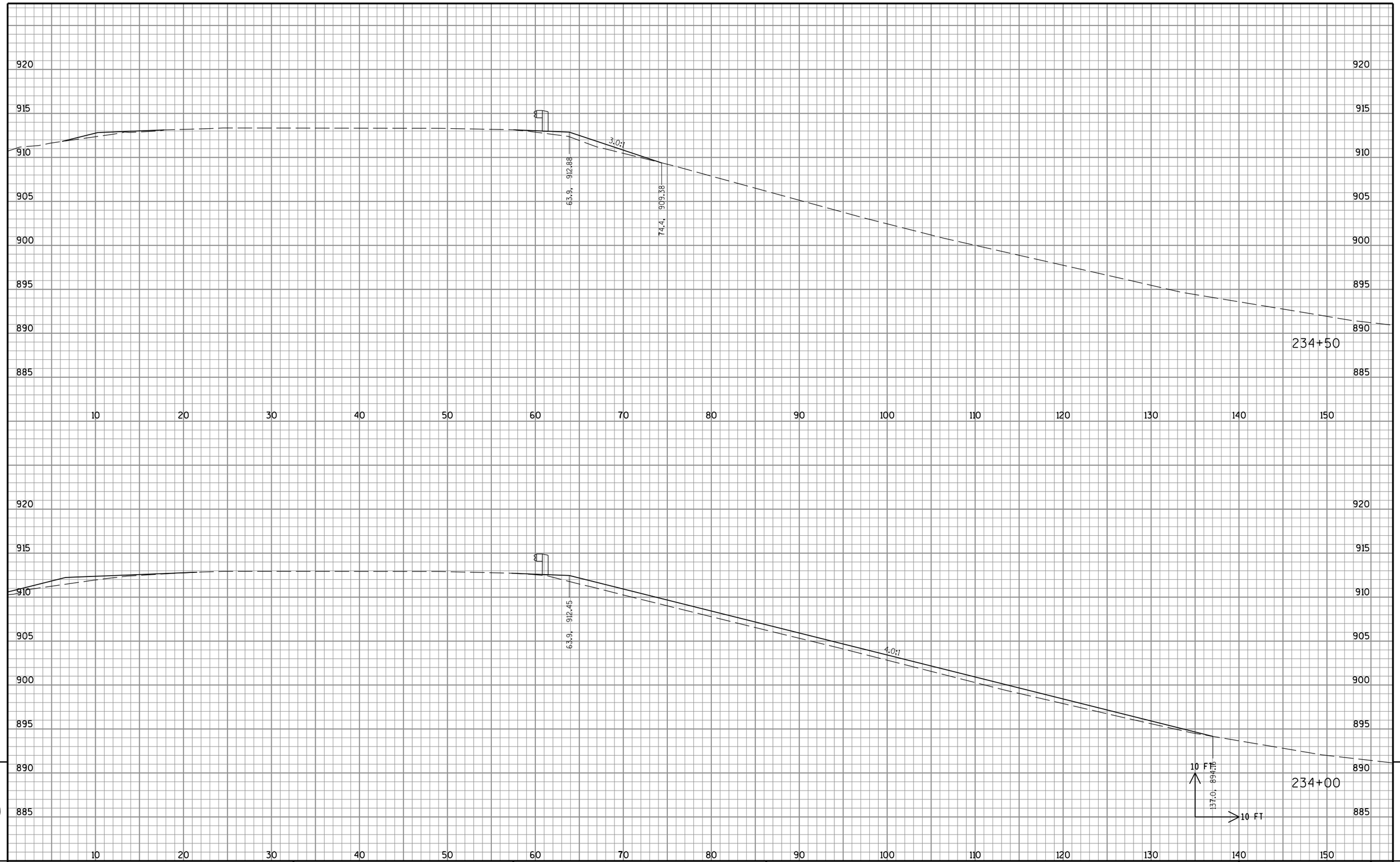


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_270 E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

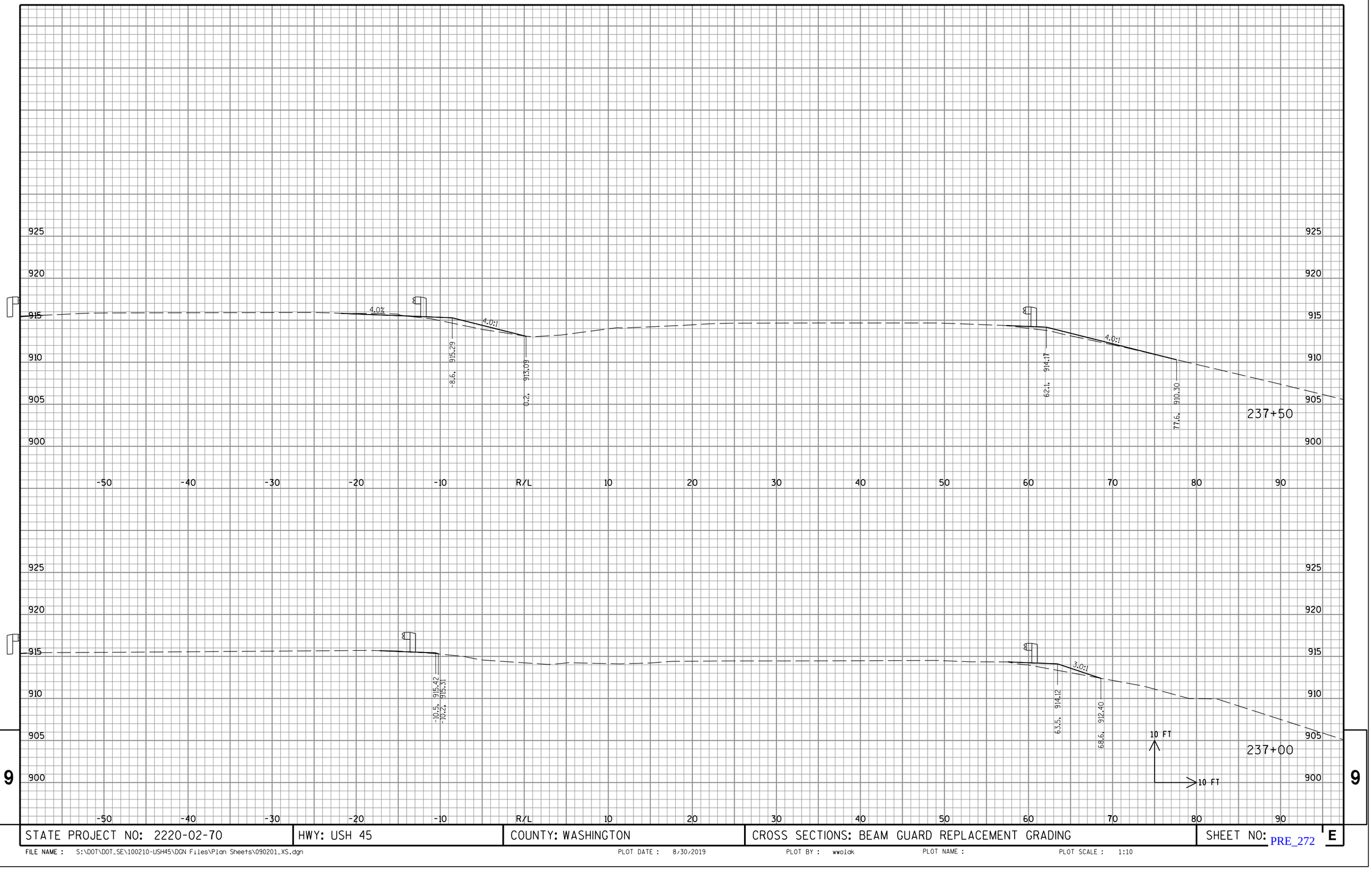


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_271 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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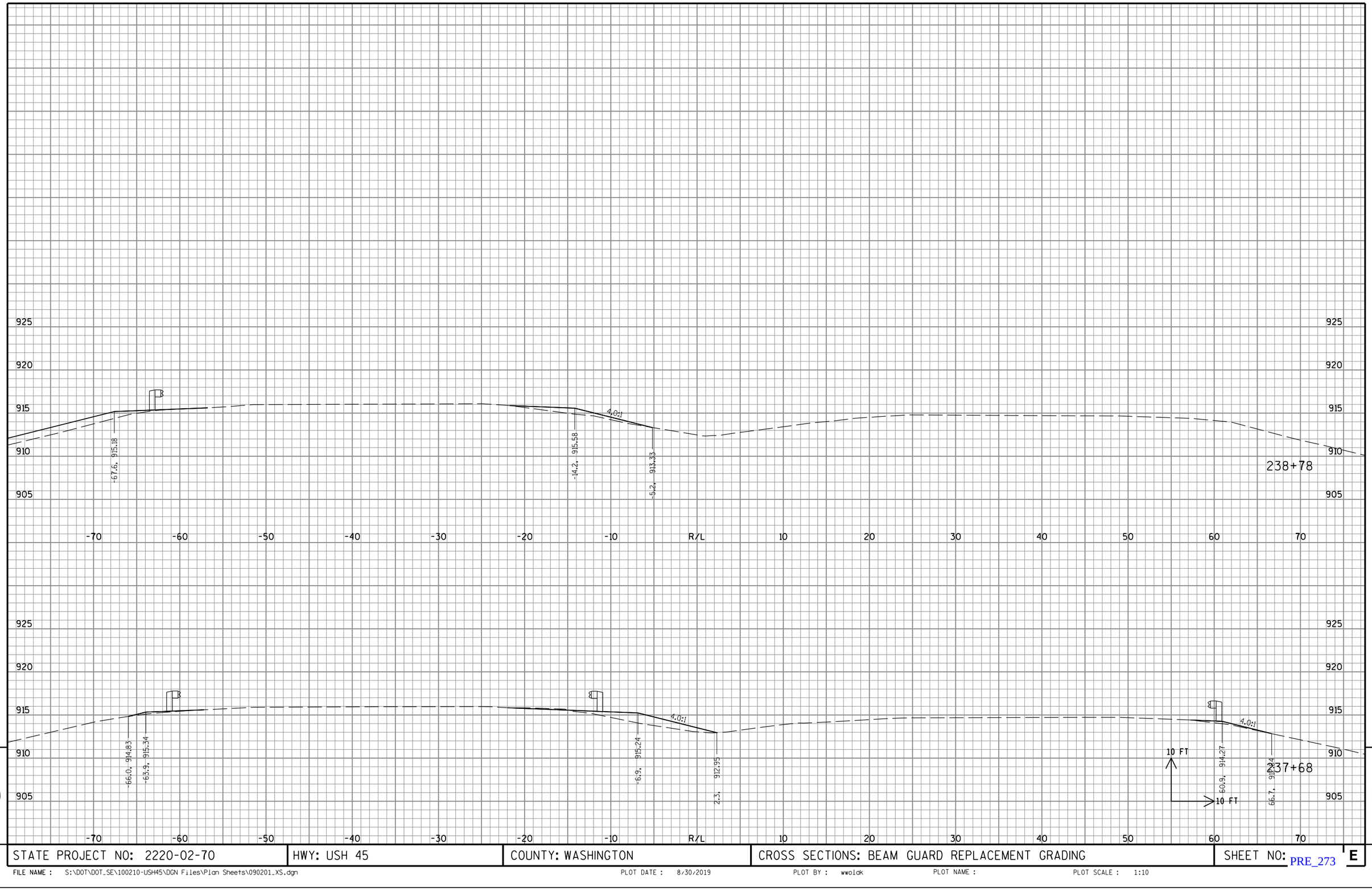


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_272 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

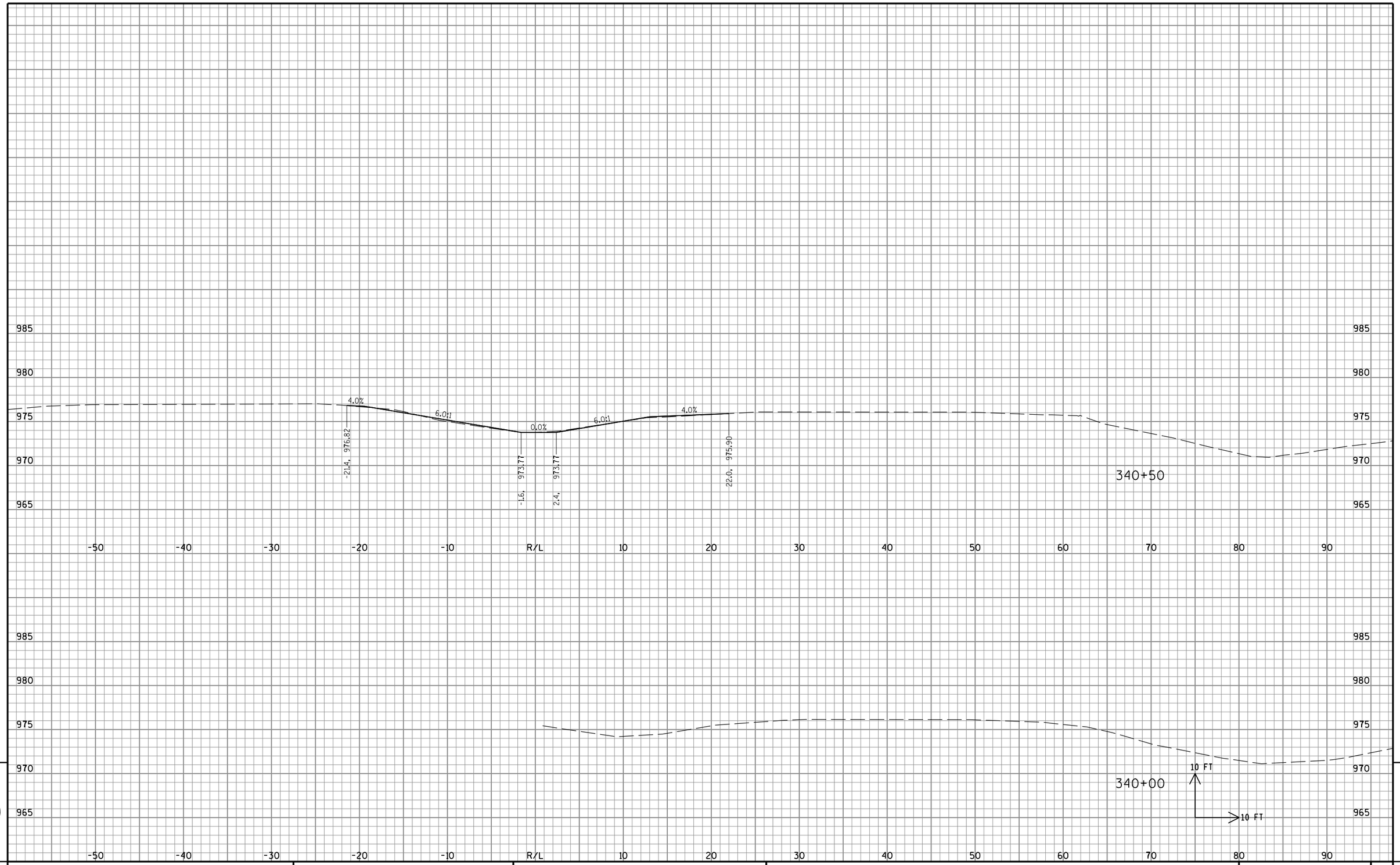


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_273 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



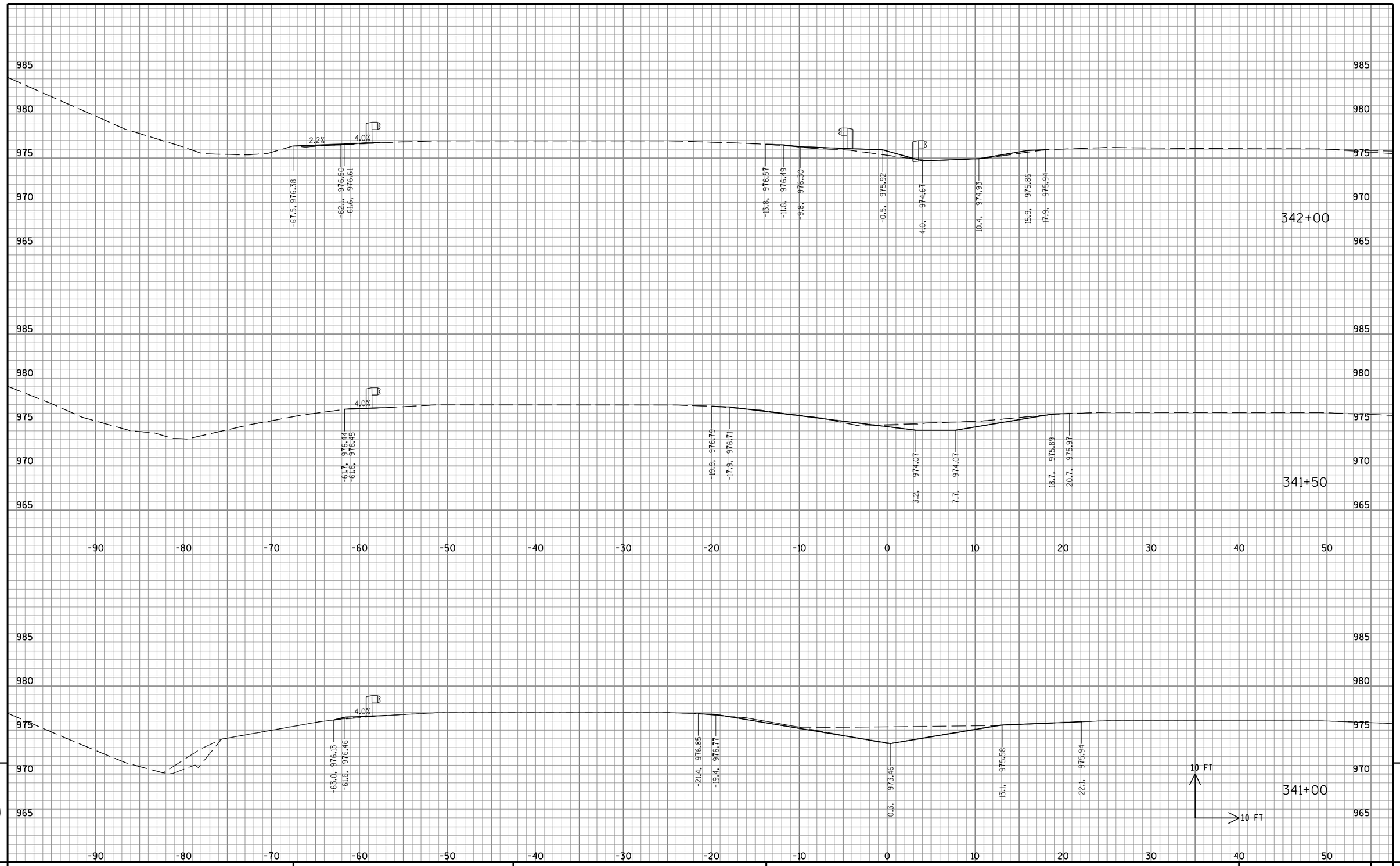
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

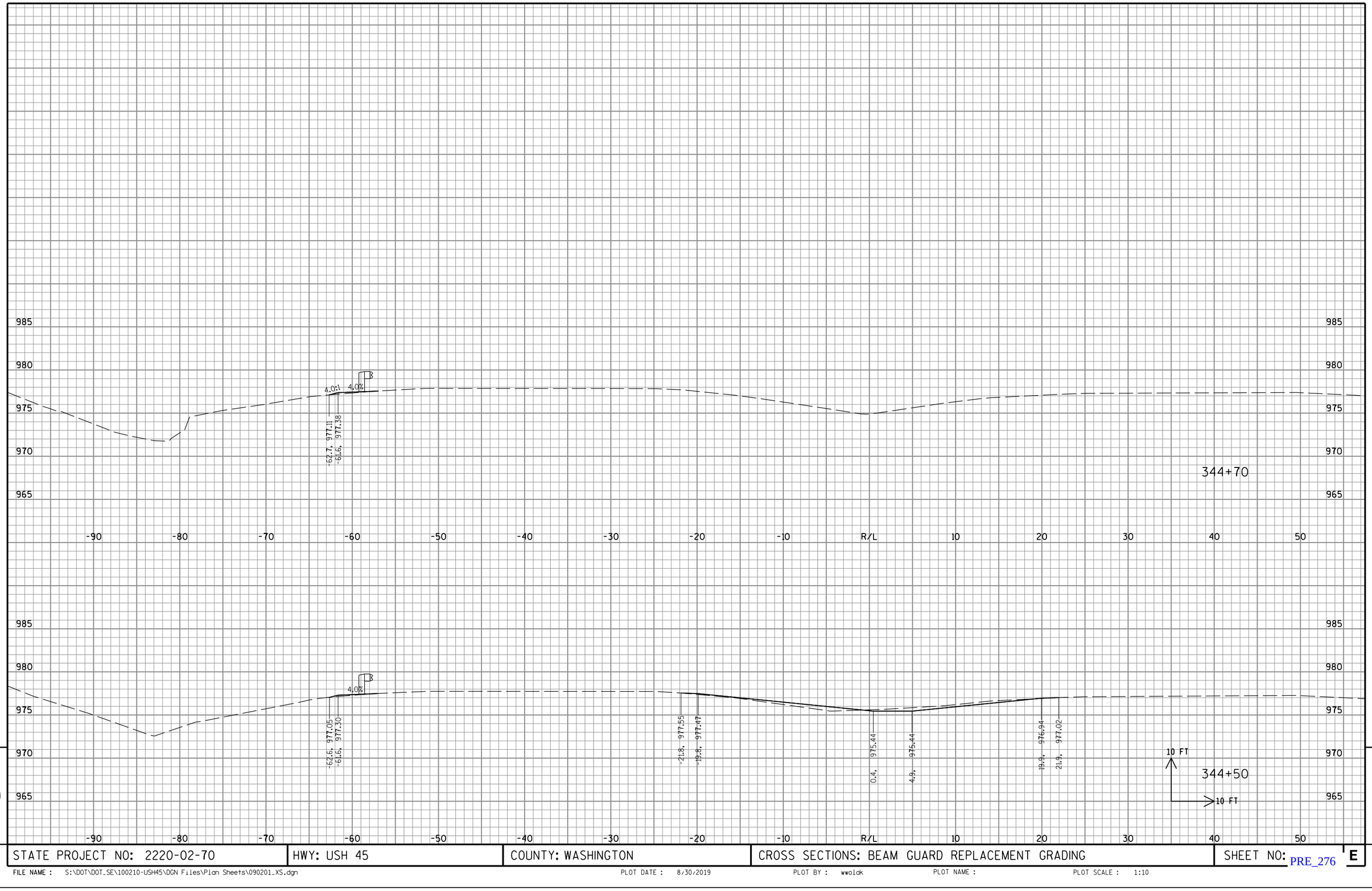
PRE_274



STATE PROJECT NO: ##	HWY: USH 41	COUNTY: BROWN	CROSS SECTIONS: CORRIDOR	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_275

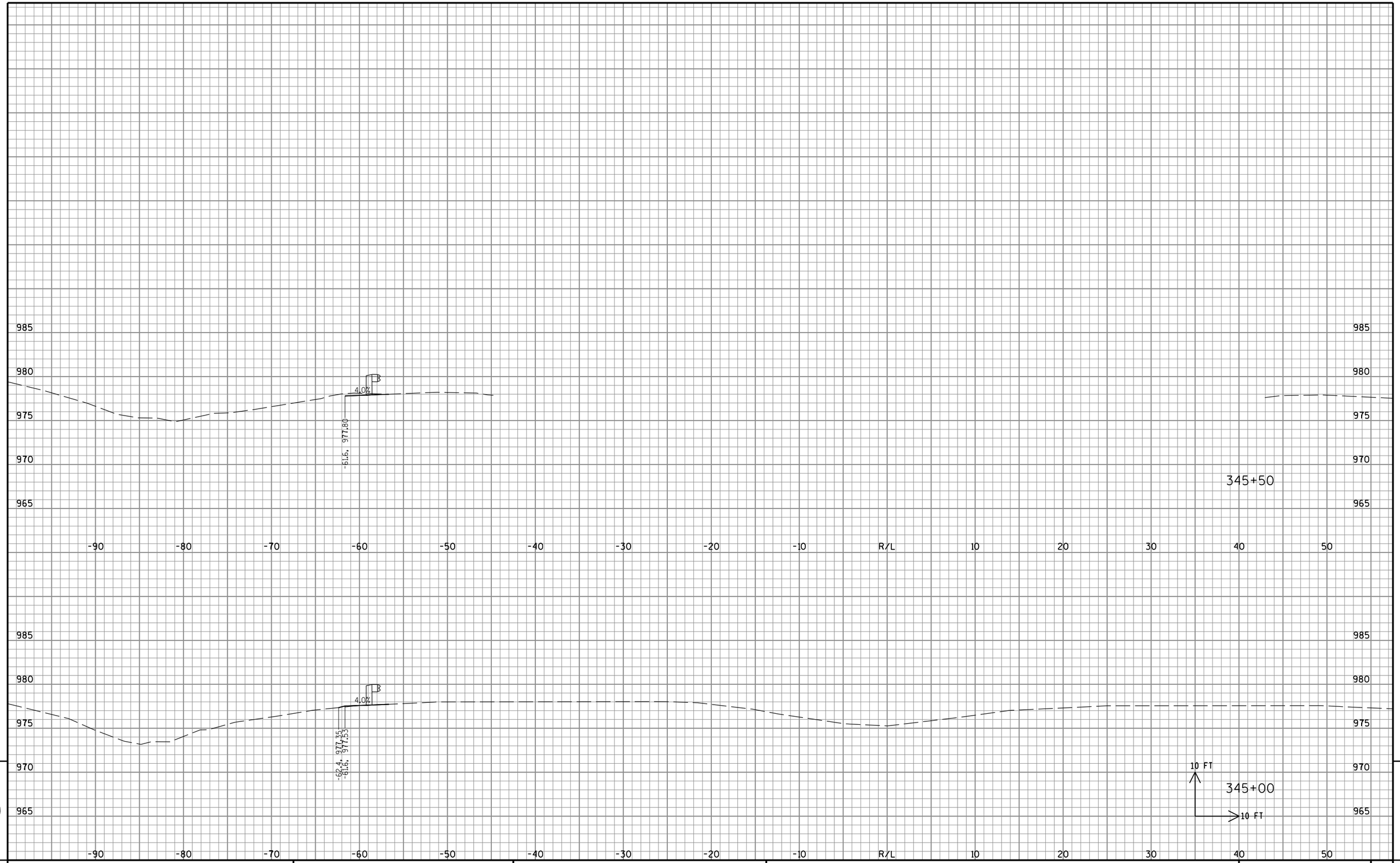


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_276 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



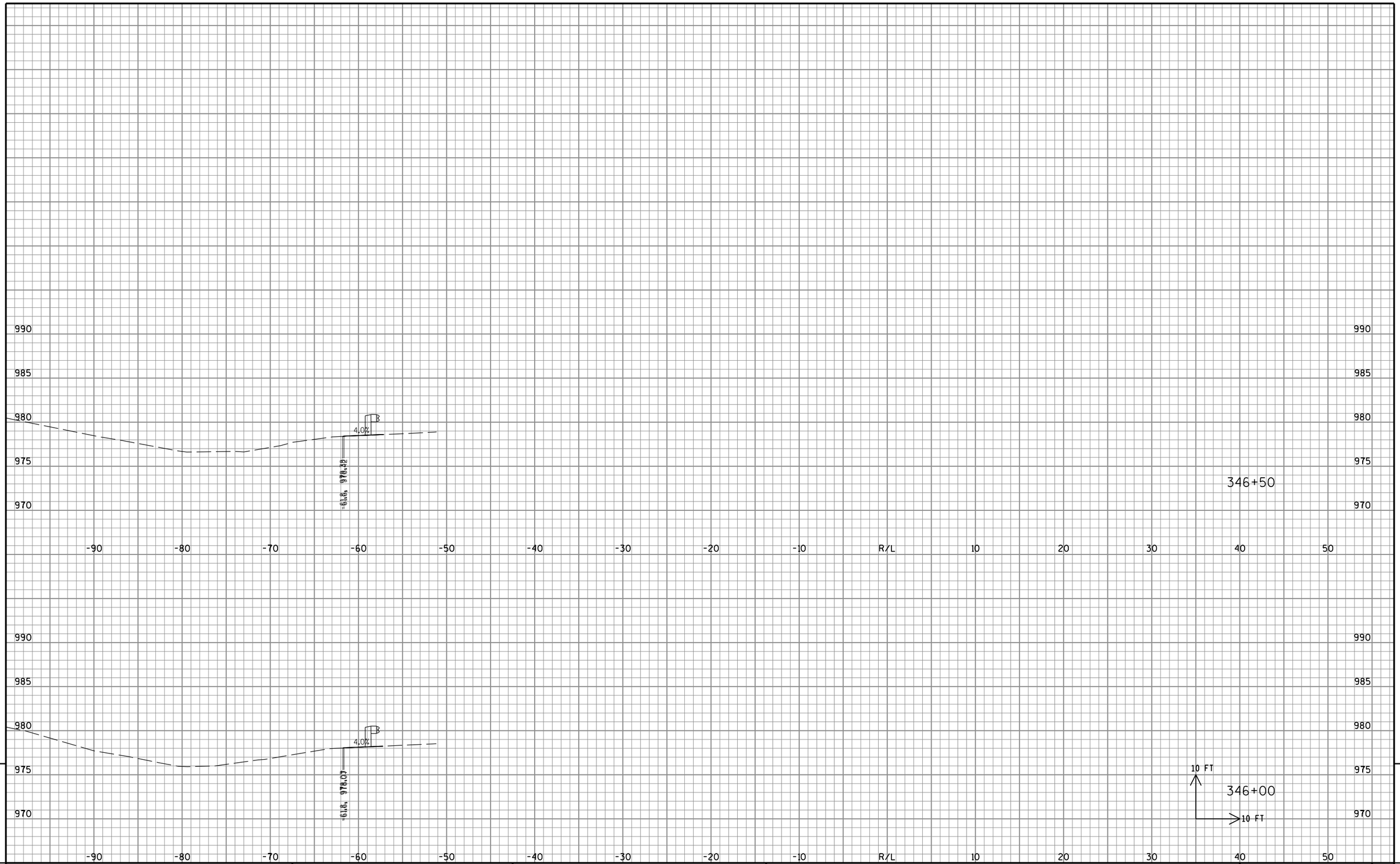
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_277

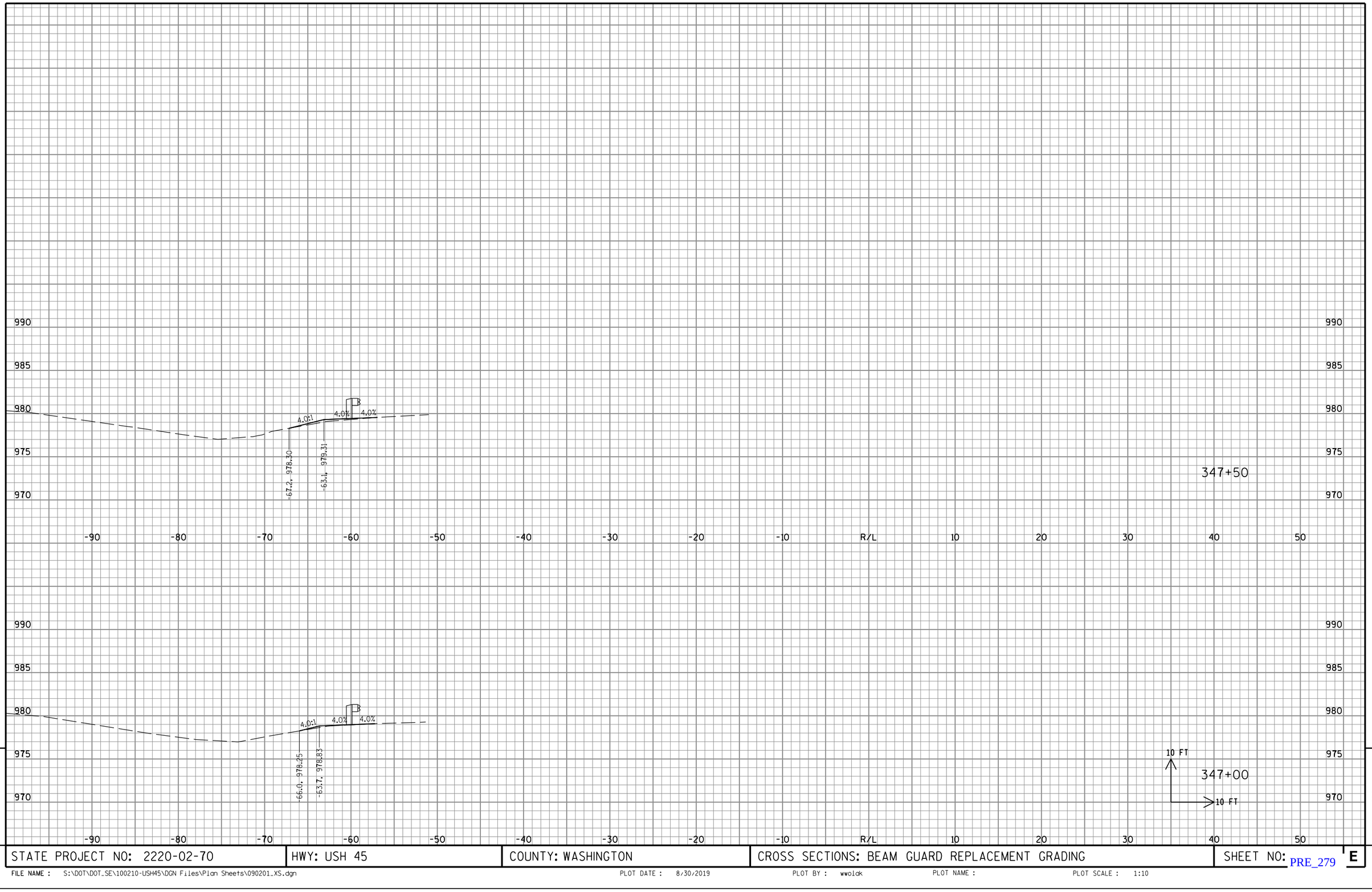


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_278 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



9

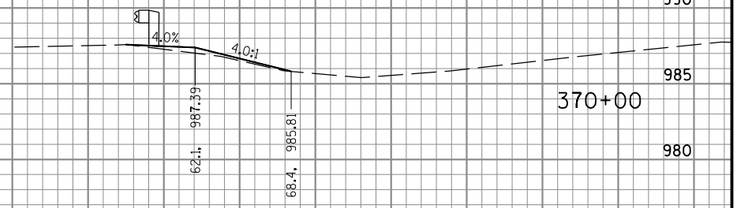
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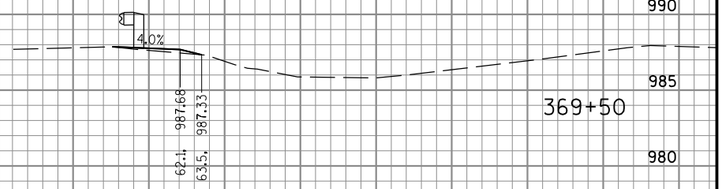
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_279 E

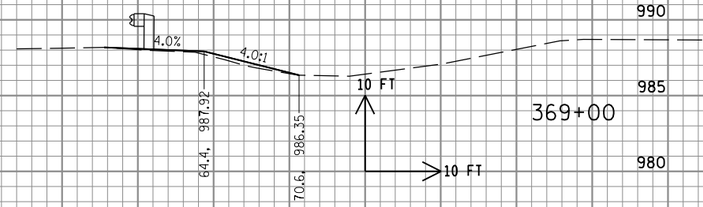
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980

-50 -40 -30 -20 -10 R/L 10 20 30 40 50 60 70 80 90







9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_280 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10



9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_281 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

9



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_282 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975
970

-50 -40 -30 -20 -10 R/L 10 20 30 40 50 60 70 80 90

4.0%
3.0:1
985.86
62.1
65.0, 984.88

372+50

995
990
985
980
975
970

-50 -40 -30 -20 -10 R/L 10 20 30 40 50 60 70 80 90

4.0%
985.90
62.1, 64.9, 984.97

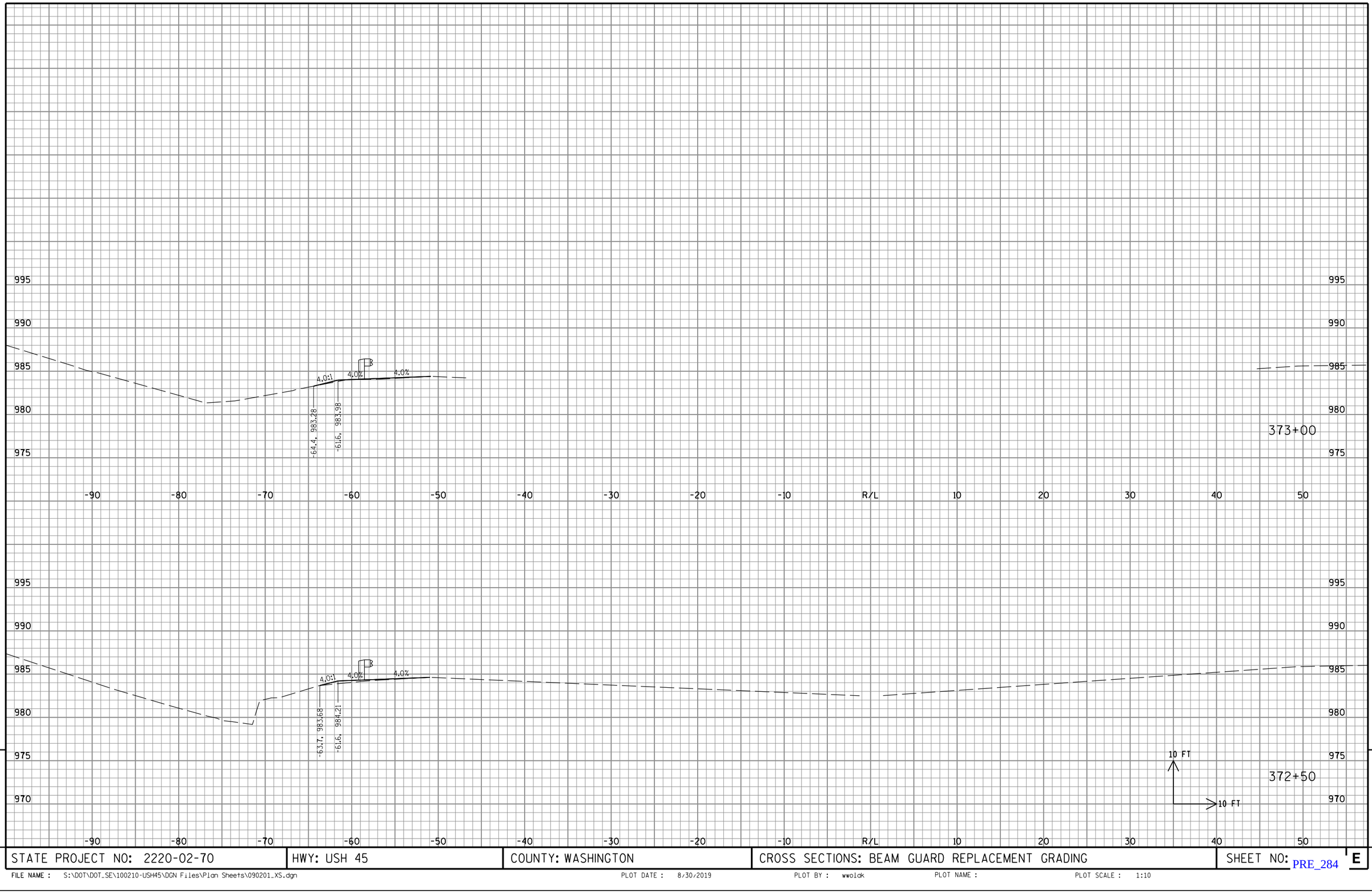
10 FT
10 FT

372+43

9 9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_283 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_284 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

9 9

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0% 4.0%

-63.1, 983.01
-61.6, 983.39

374+00

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0% 4.0%

-62.4, 983.49
-61.6, 983.170

373+50

10 FT
10 FT

9

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_285 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0%
4.0%
-70.5, 981.45
-65.3, 982.76

374+97

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0%
4.0%
-62.5, 982.9
-61.7, 983.11

10 FT
10 FT

374+50

9

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_286 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975

4.0%
4.0:1
-68.4, 981.77
-64.4, 982.75

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

375+10

995
990
985
980
975

4.0%
4.0:1
-70.1, 981.51
-65.1, 982.76

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

375+00

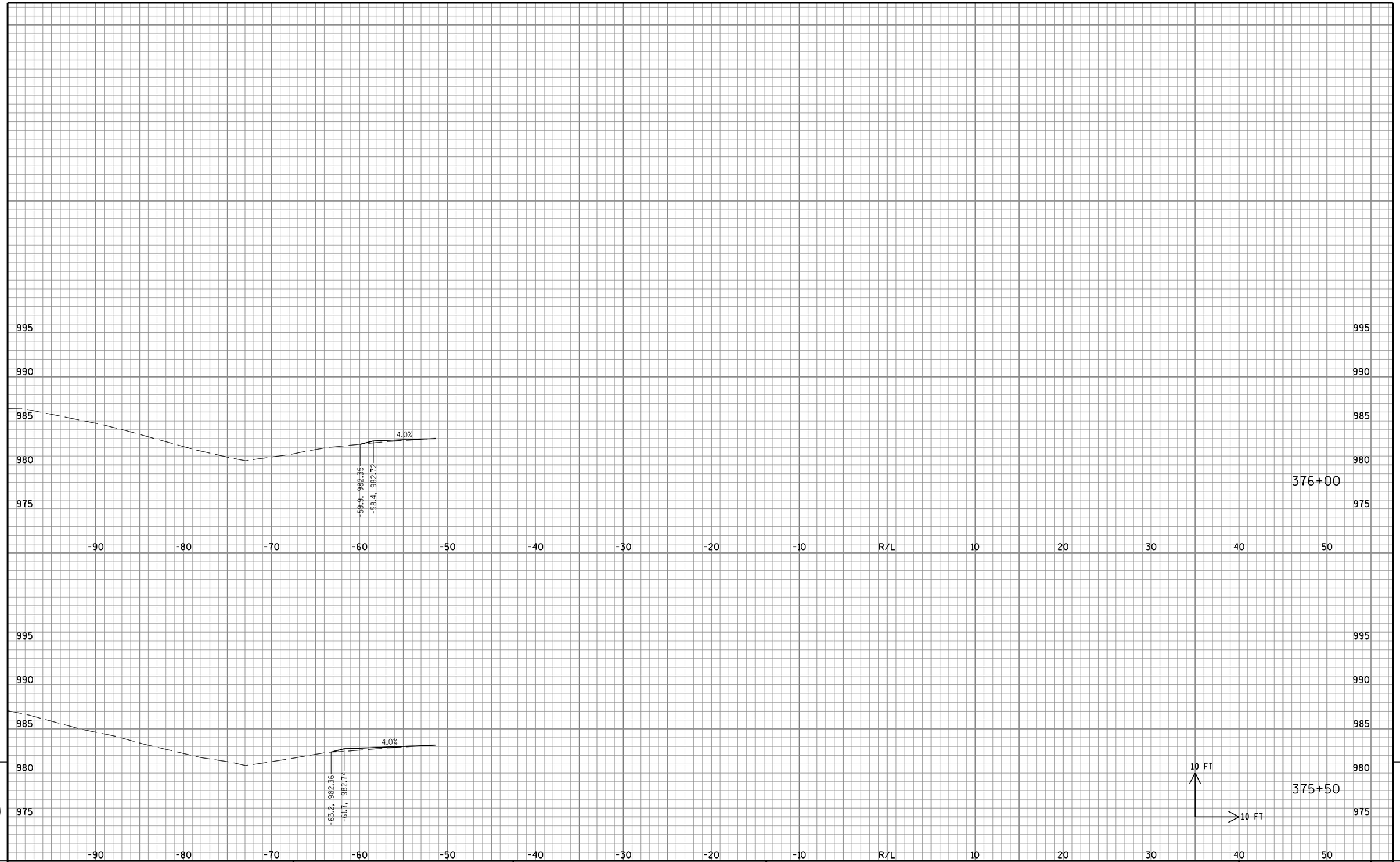
10 FT
10 FT

9

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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_287 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_288 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975
-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50
-588.0, 985.19
420+50
420+00
10 FT
10 FT

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10

PRE_289

995
990
985
980
975
970

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0%
4.0:1
-85.4, 979.49
-61.5, 985.45

420+91

4.0%
-61.7, 985.03
-60.0, 985.44

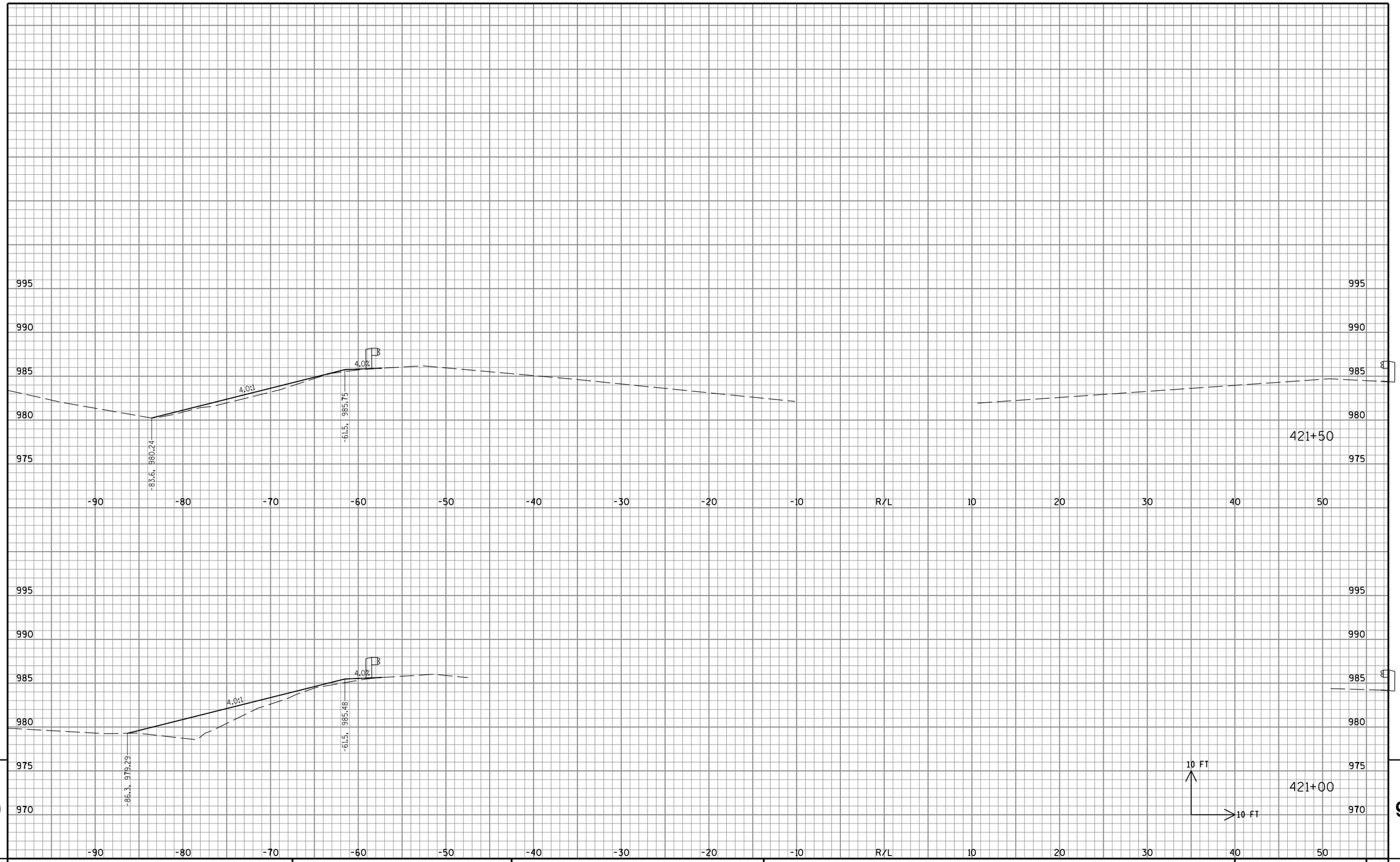
10 FT
10 FT

420+69

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_290 E

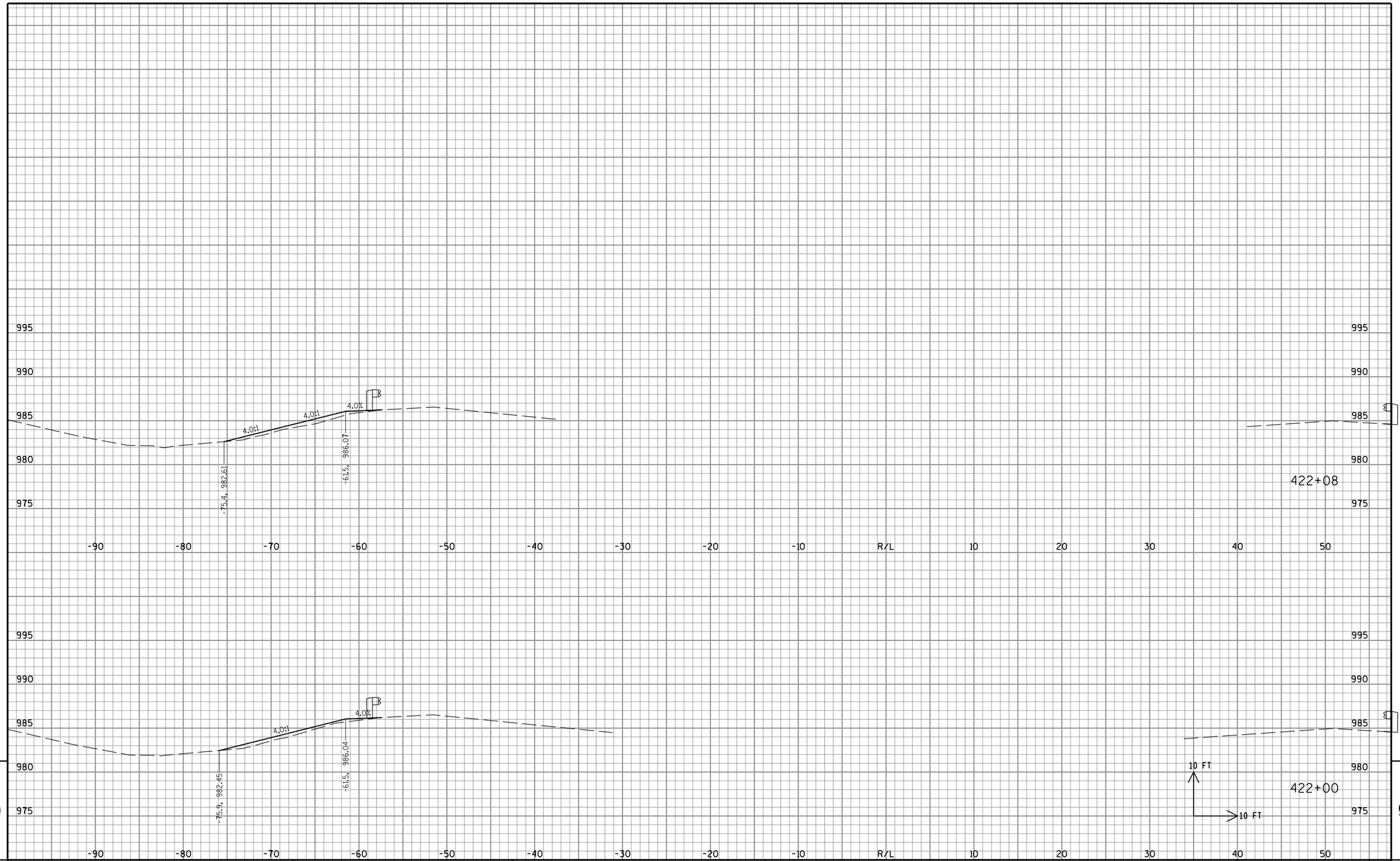
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_291 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10

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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_292 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0:1
4.0%
-64.8, 985.50
-61.8, 986.24

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0:1
4.0%
-72.6, 983.39
-61.5, 986.15

995
990
985
980
975

422+50

995
990
985
980
975

422+26

10 FT
10 FT

9

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_293 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975
970

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0%

-61.7, 985.03

-60.0, 985.44

420+69

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

-60.0, 985.19

10 FT

10 FT

420+50

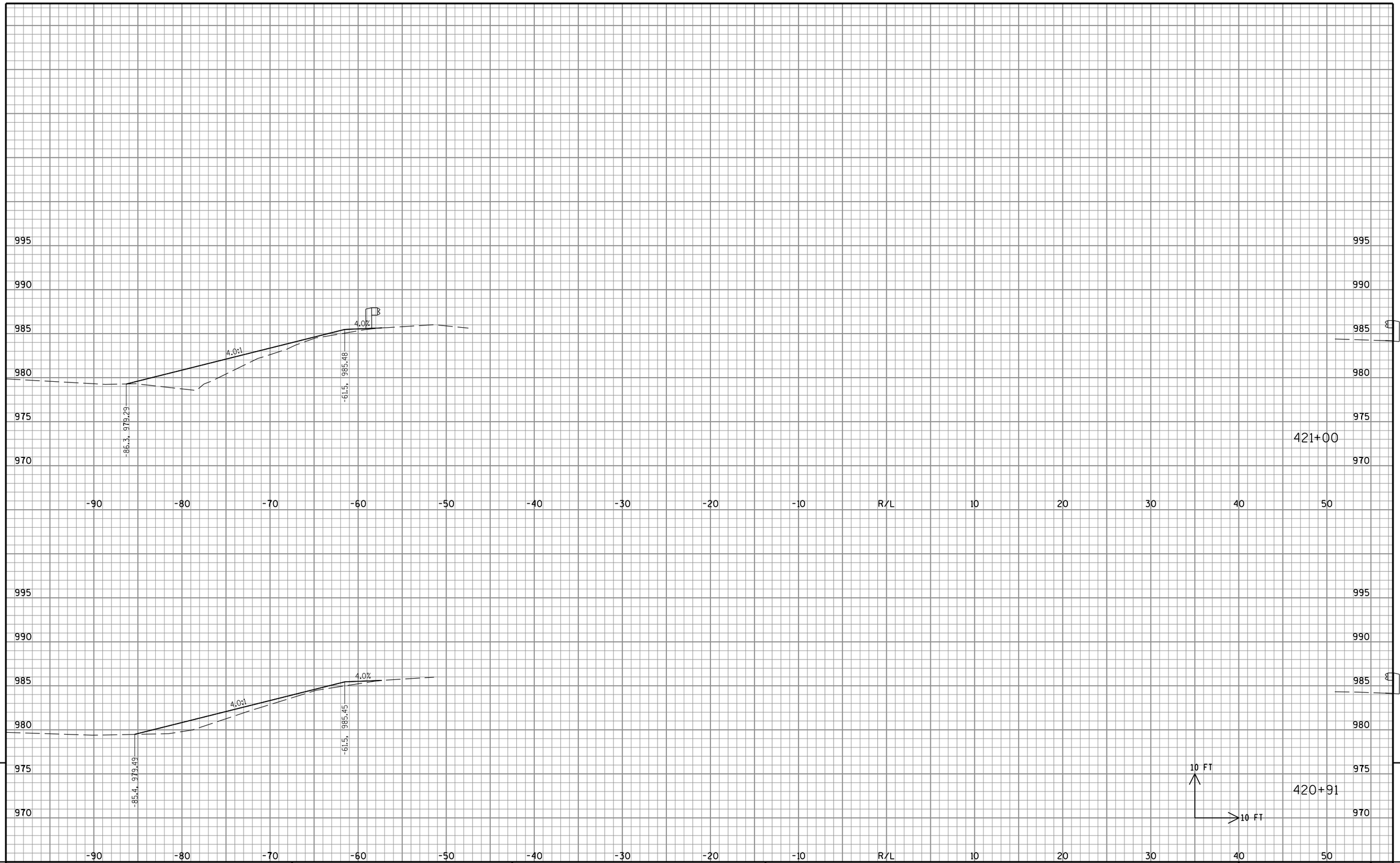
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_294



9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_295 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0%
4.0:1
-75.9, 982.45
-61.5, 986.04

422+00

4.0%
4.0:1
-83.6, 980.24
-61.5, 985.75

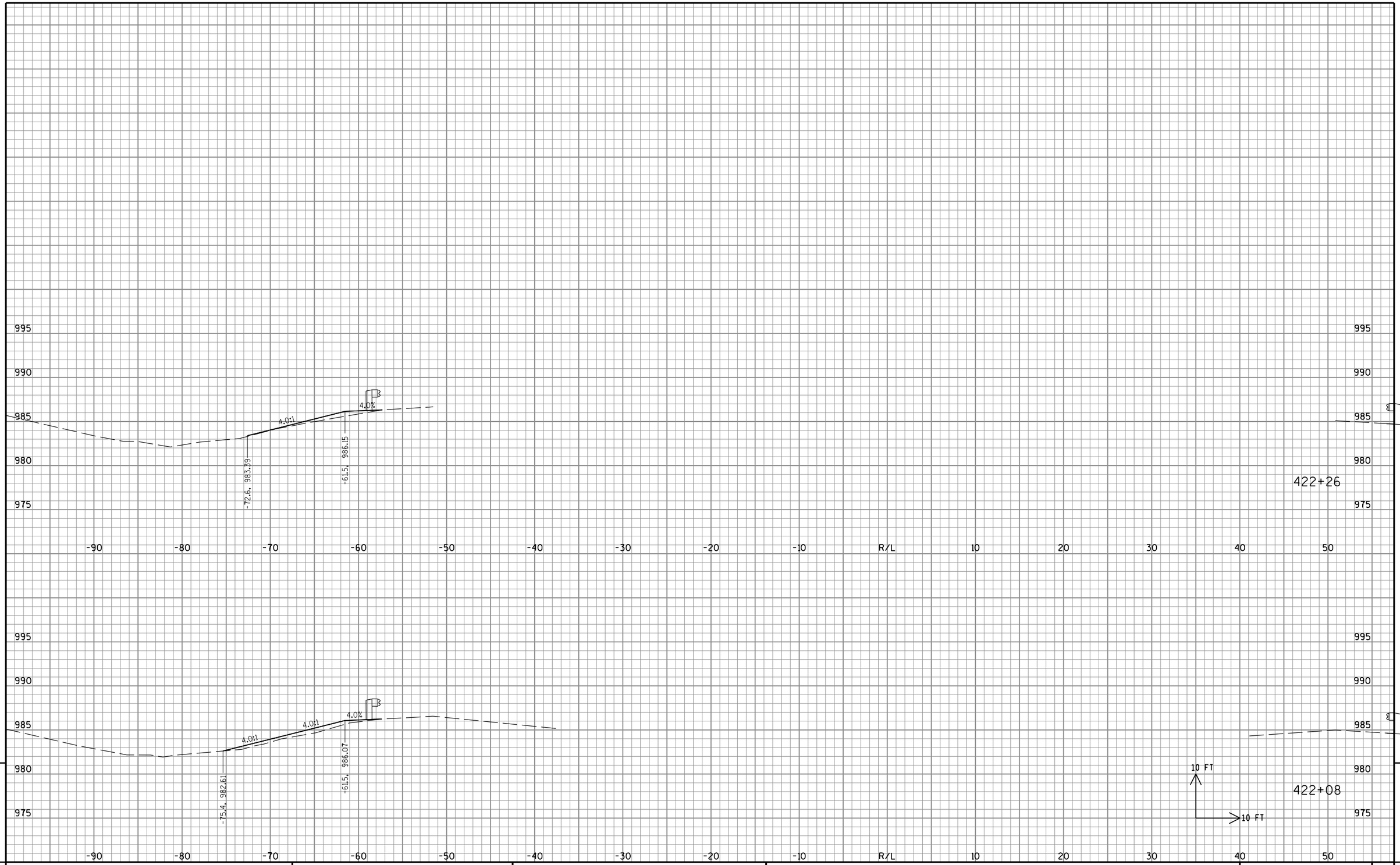
10 FT
10 FT

421+50

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_296 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_297 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

9

995
990
985
980
975

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

4.0:1
4.0%
-75.5, 983.88
-65.2, 986.46

422+94

4.0:1
4.0%
-64.8, 985.50
-61.8, 986.24

422+50

10 FT
10 FT

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_298 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975

4.0%

-63.0, 986.58
-61.5, 986.95

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

423+50

995
990
985
980
975

4.0:1
4.0%

-74.7, 984.05
-64.8, 986.53

-90 -80 -70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50

423+00

10 FT
10 FT

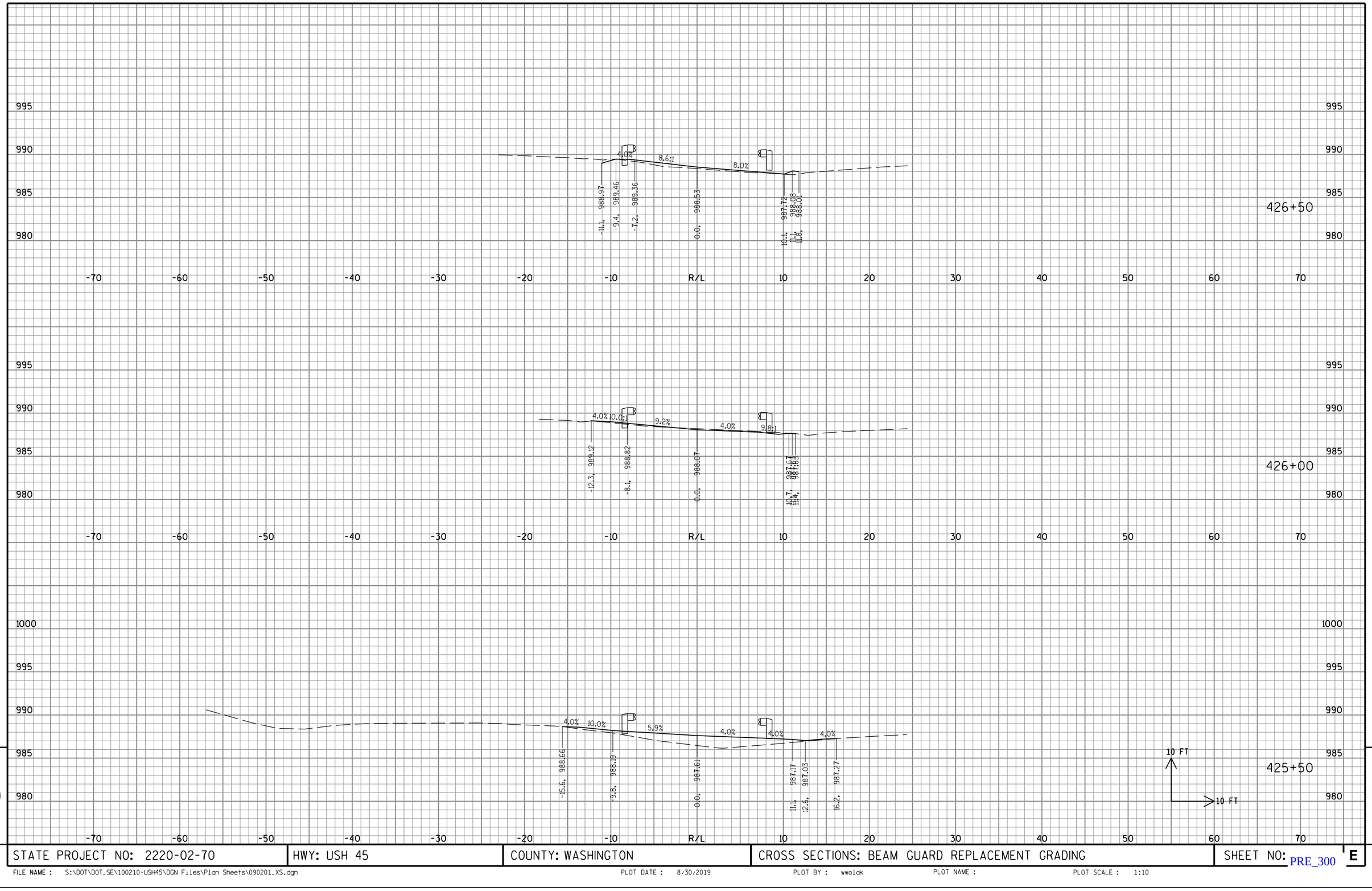
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

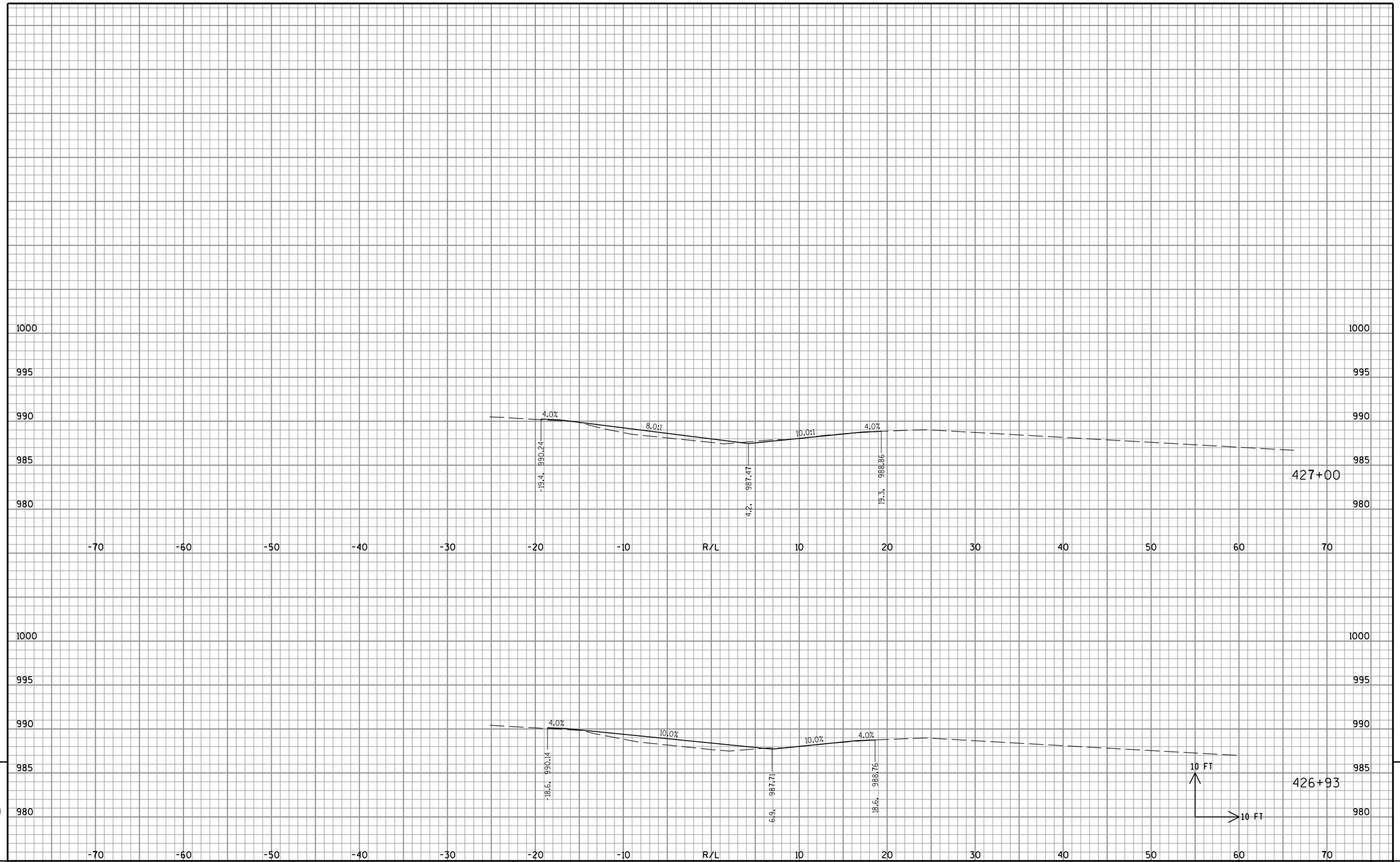
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_299



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_300 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

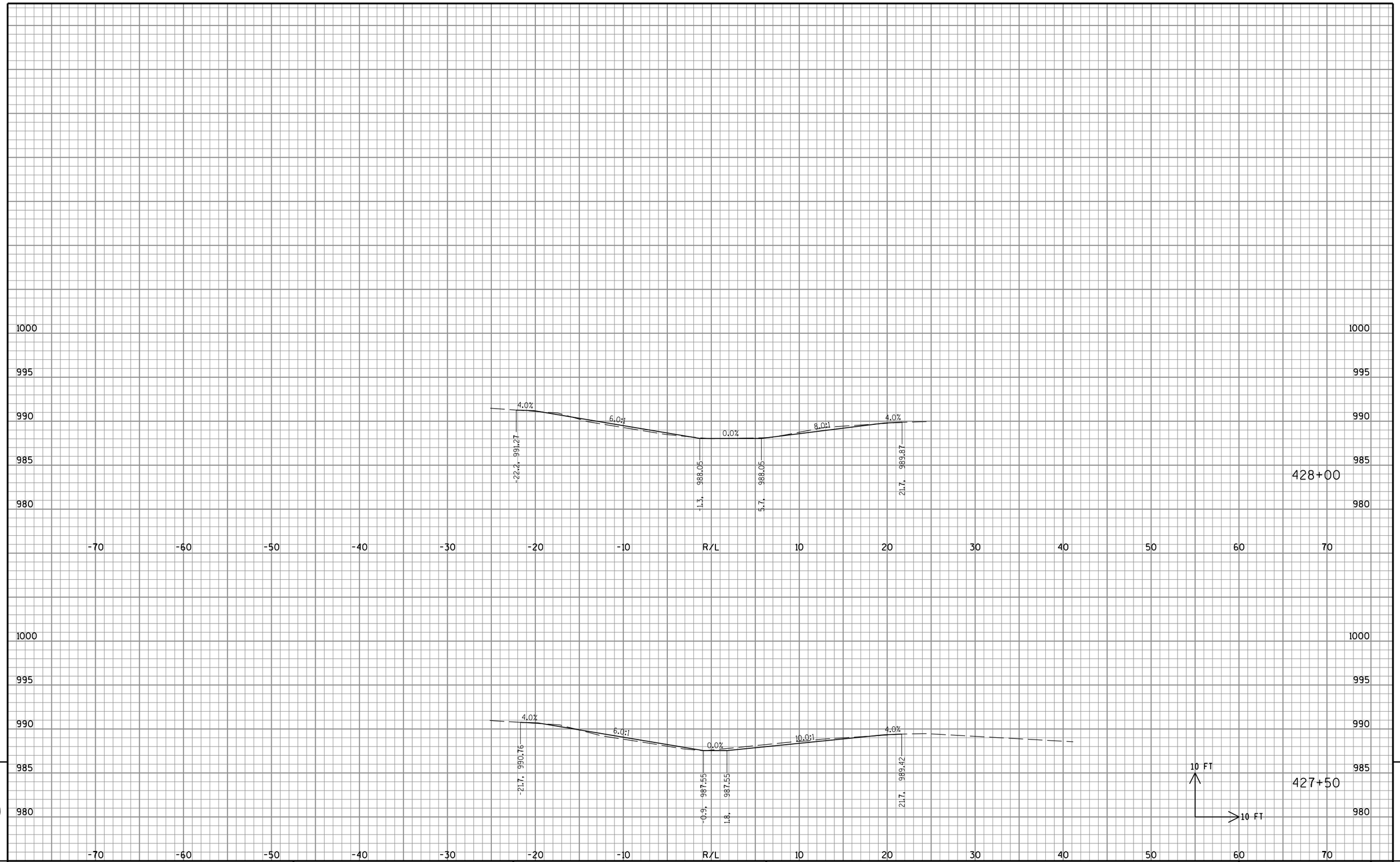


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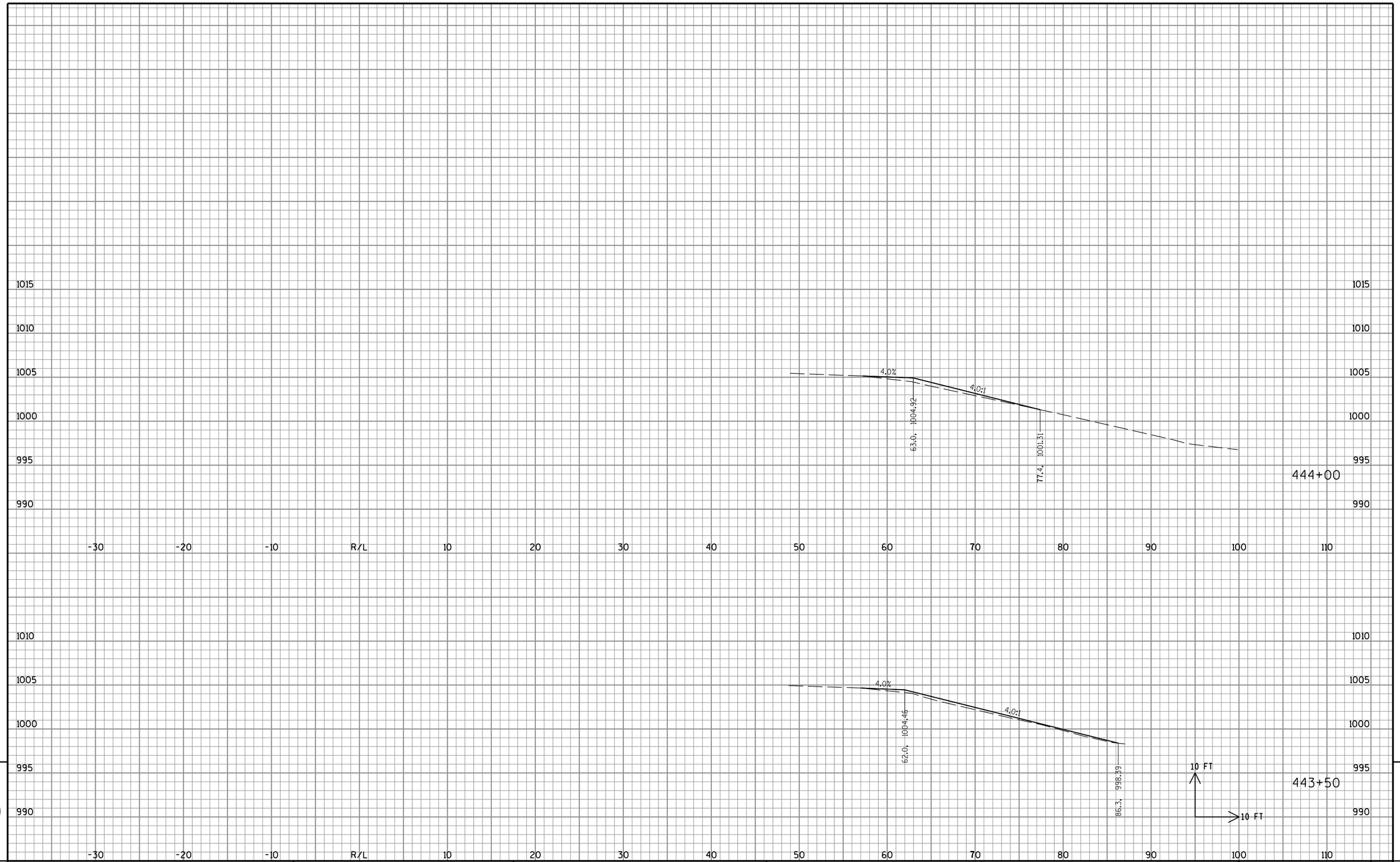
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_301 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_302 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

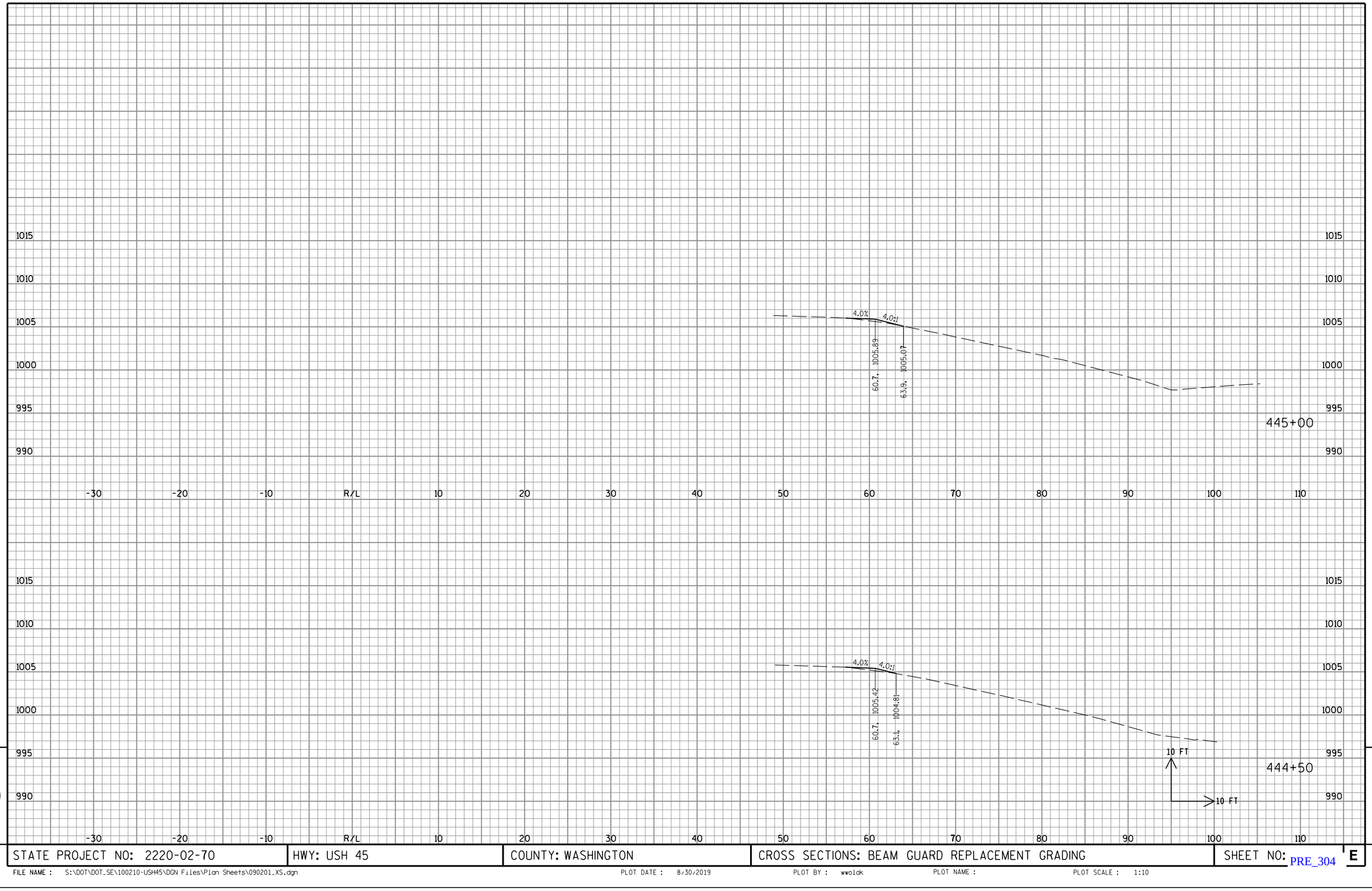


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_303 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

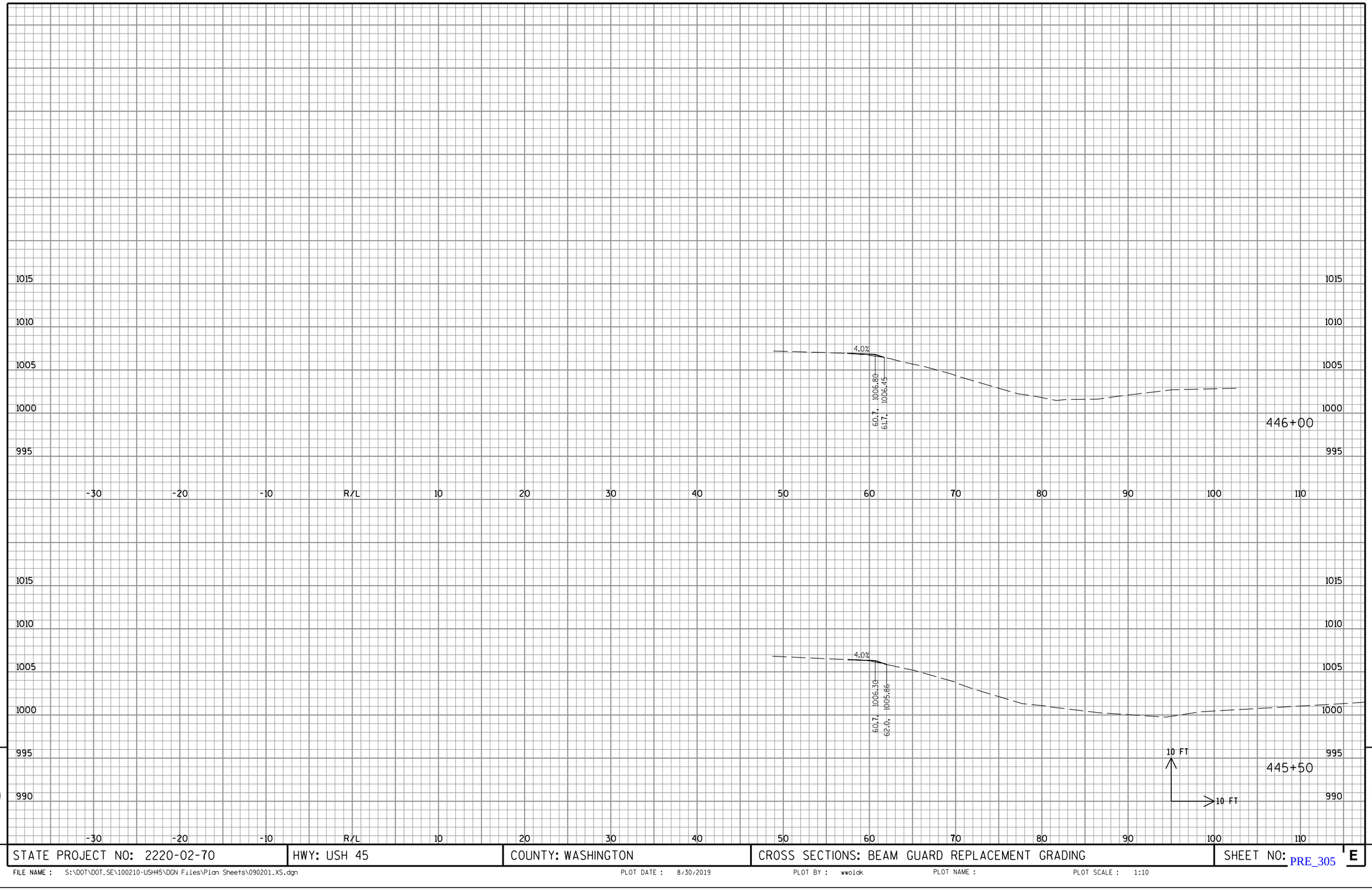


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_304 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

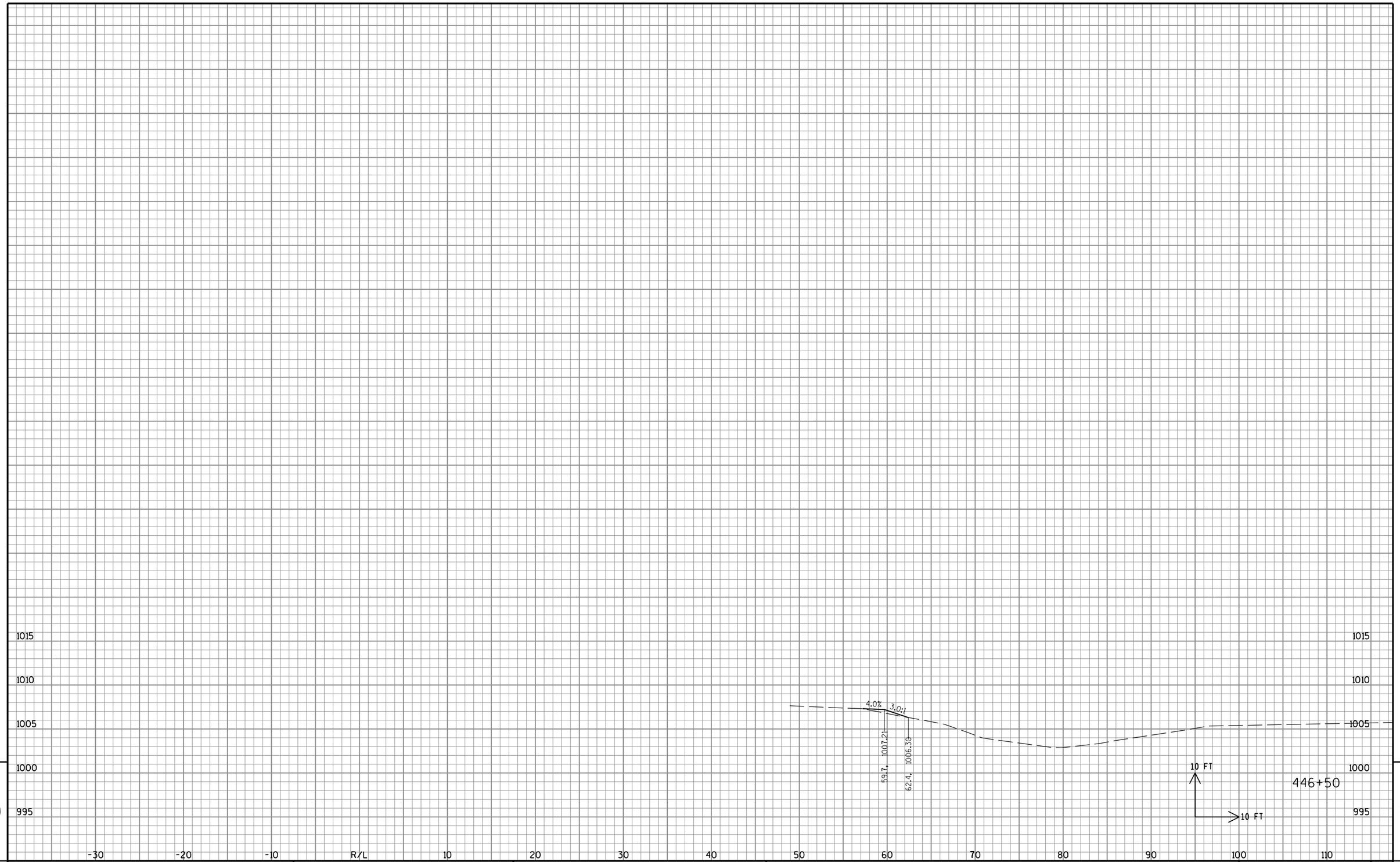


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_305 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

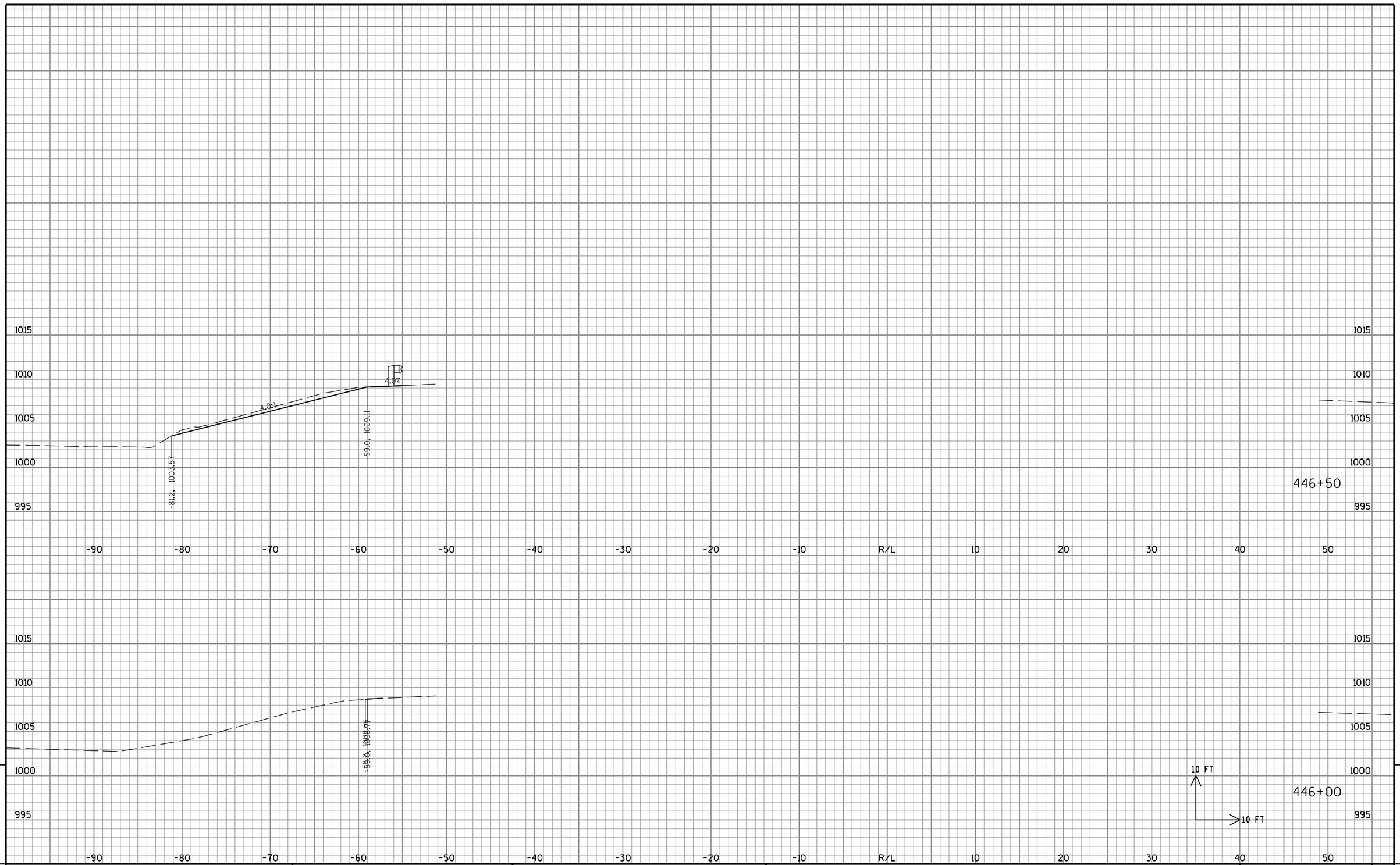


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_306 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

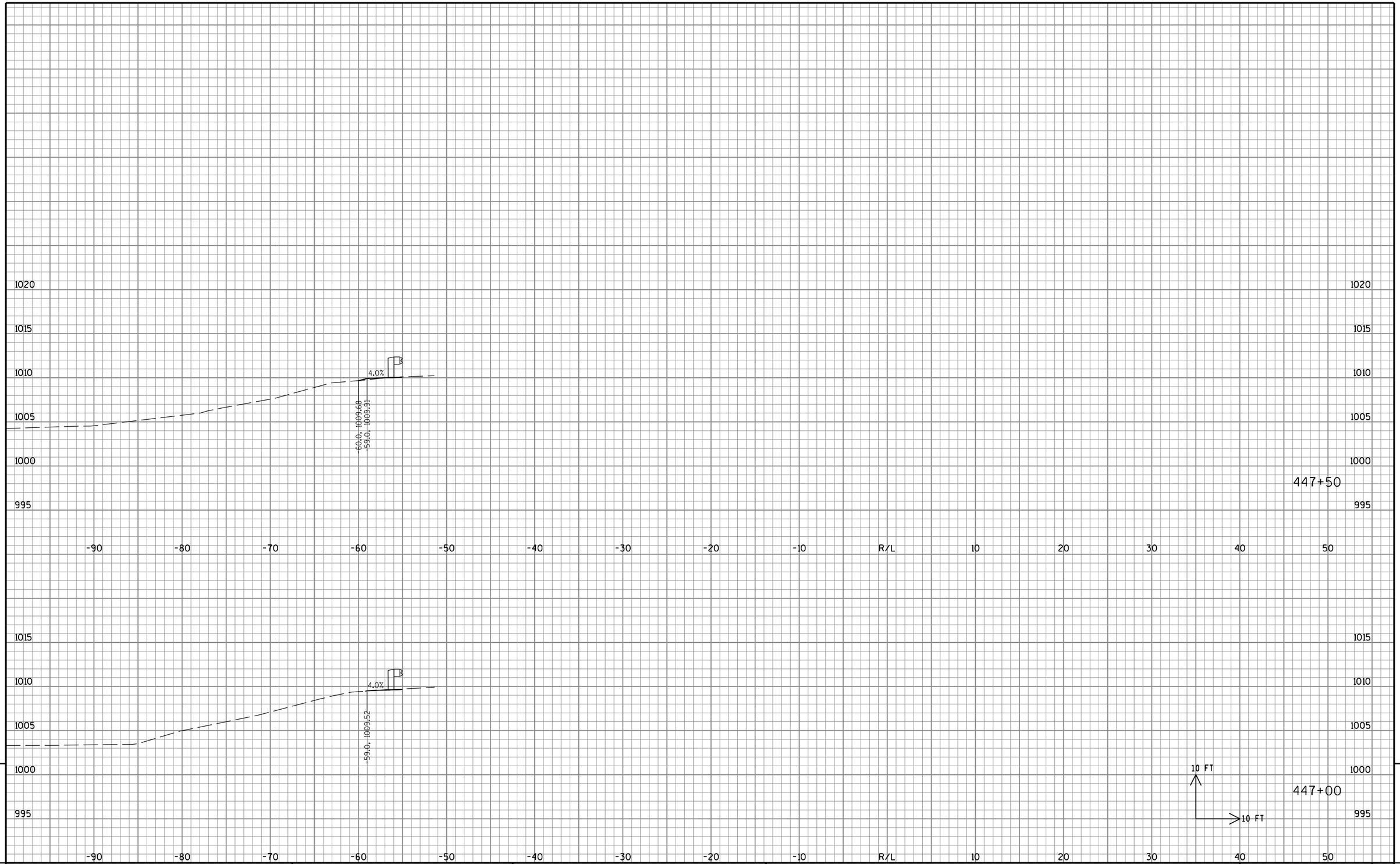


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_307 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

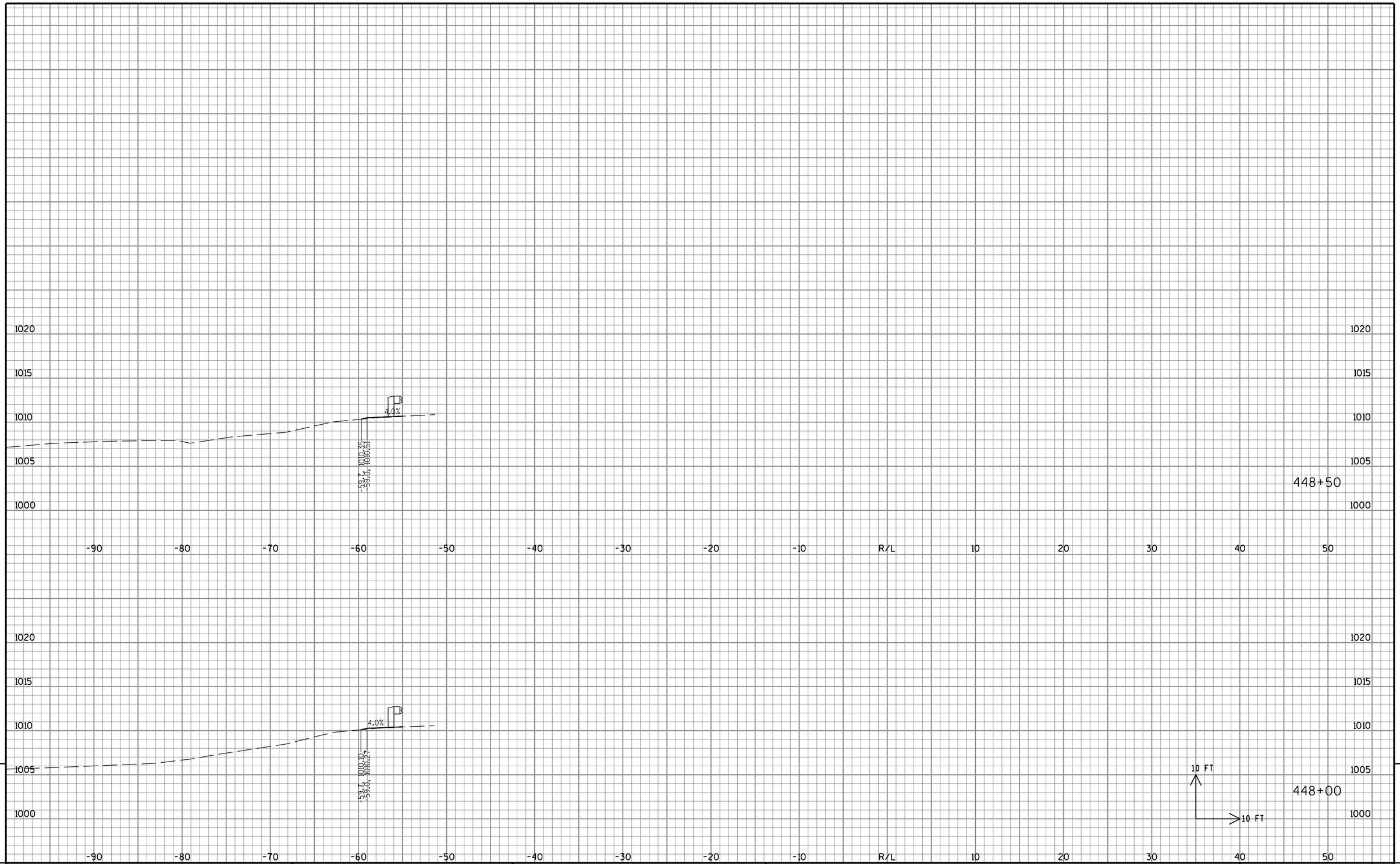


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_308 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

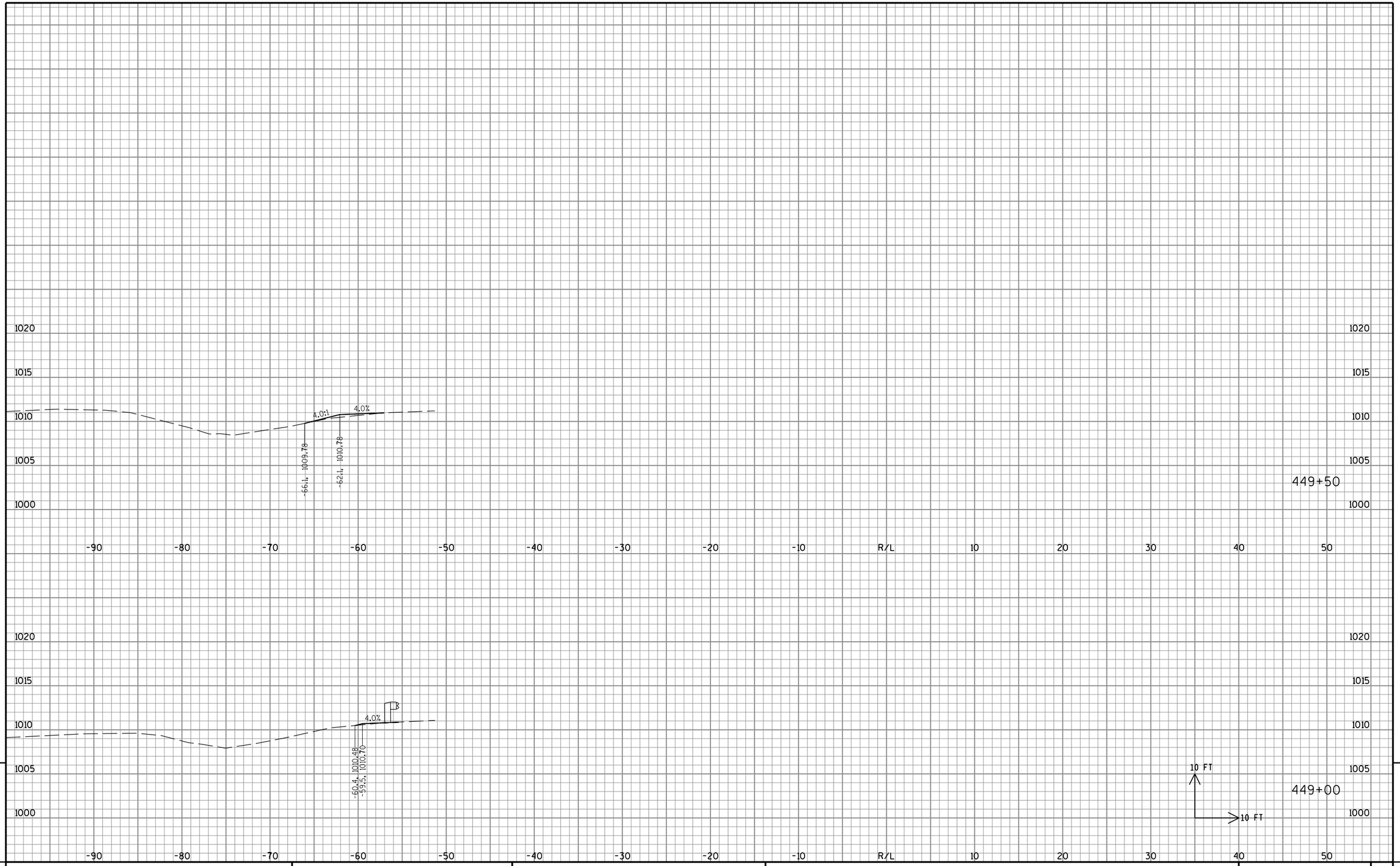


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_309 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

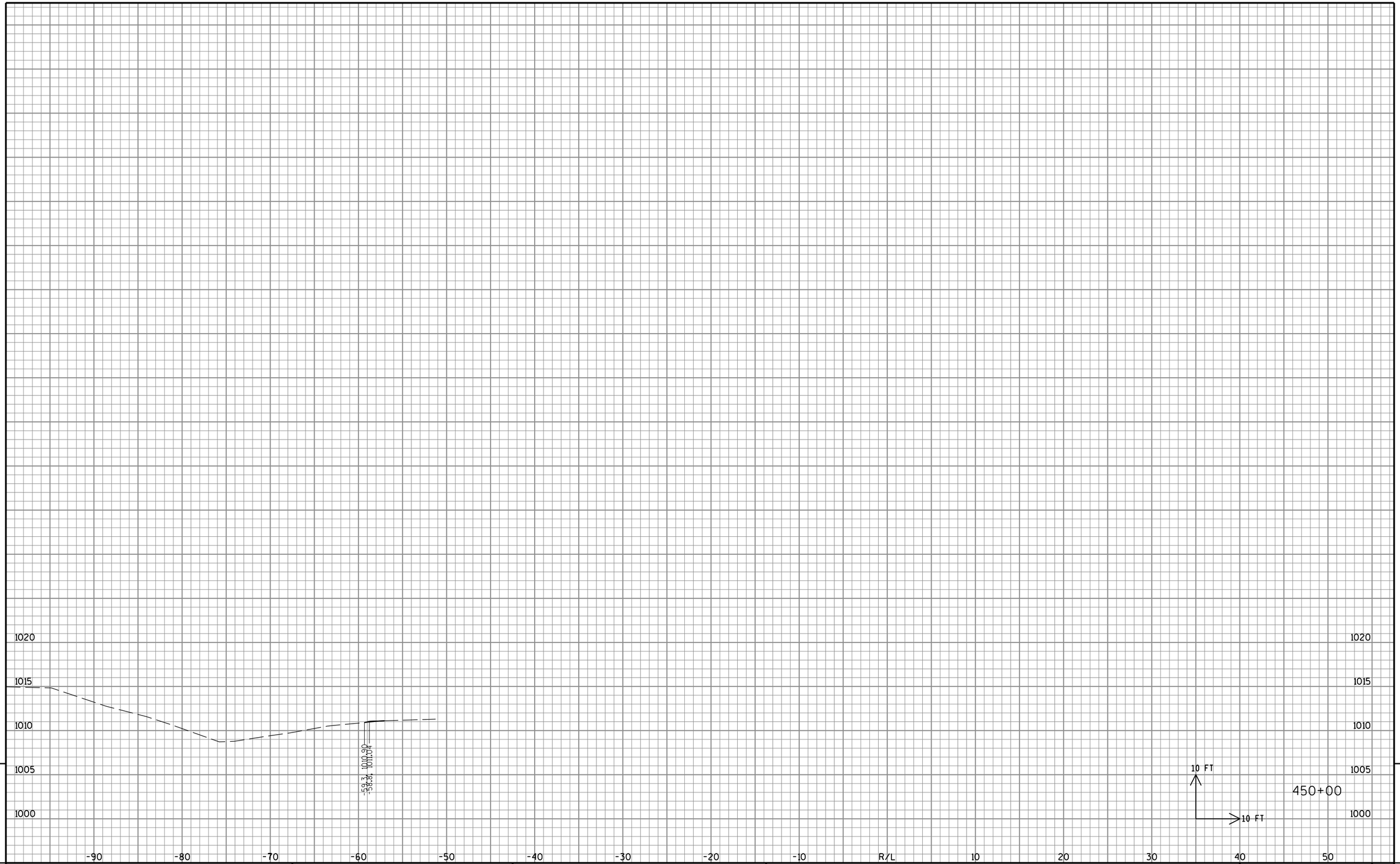


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_310 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

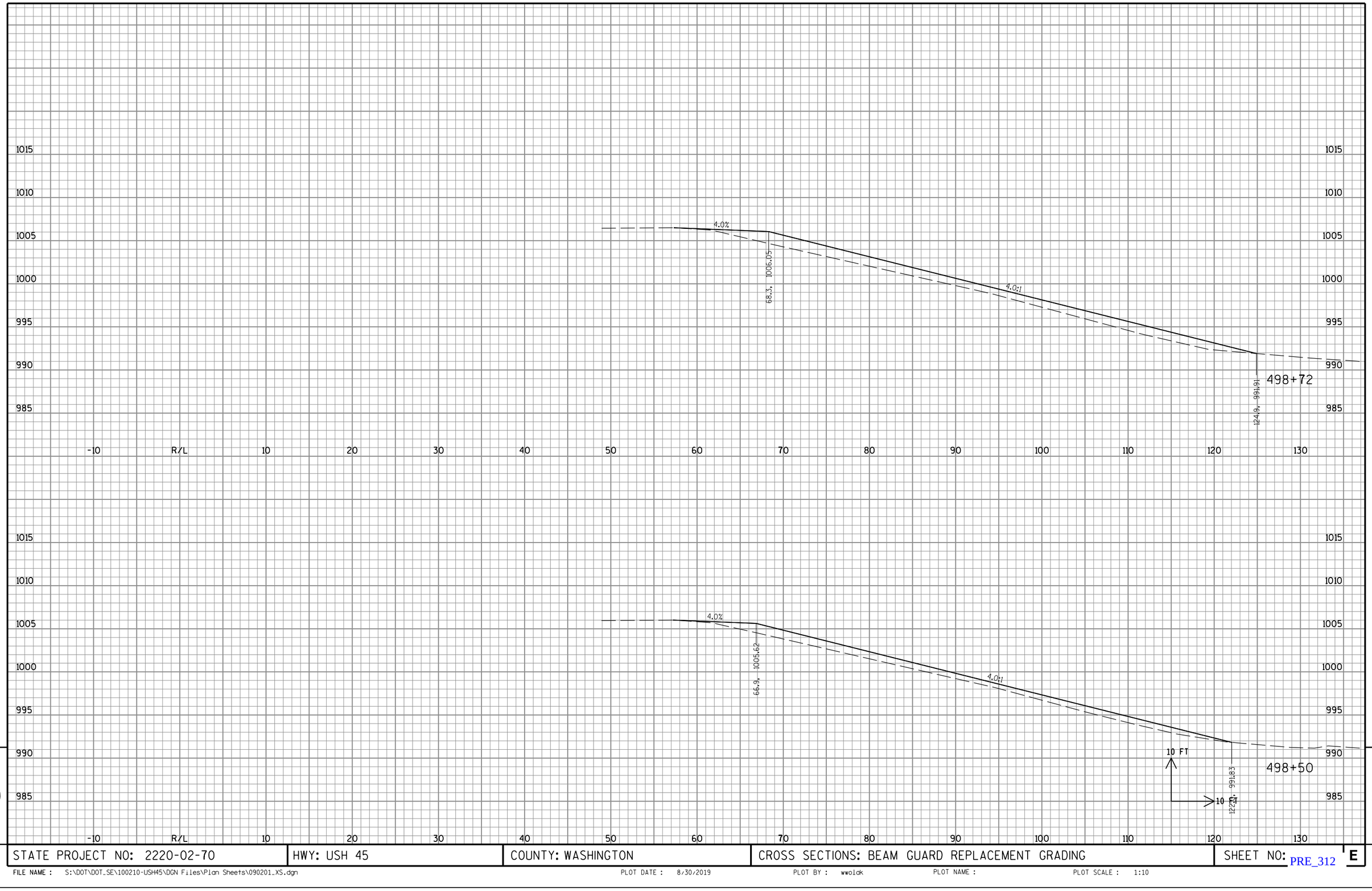


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_311 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

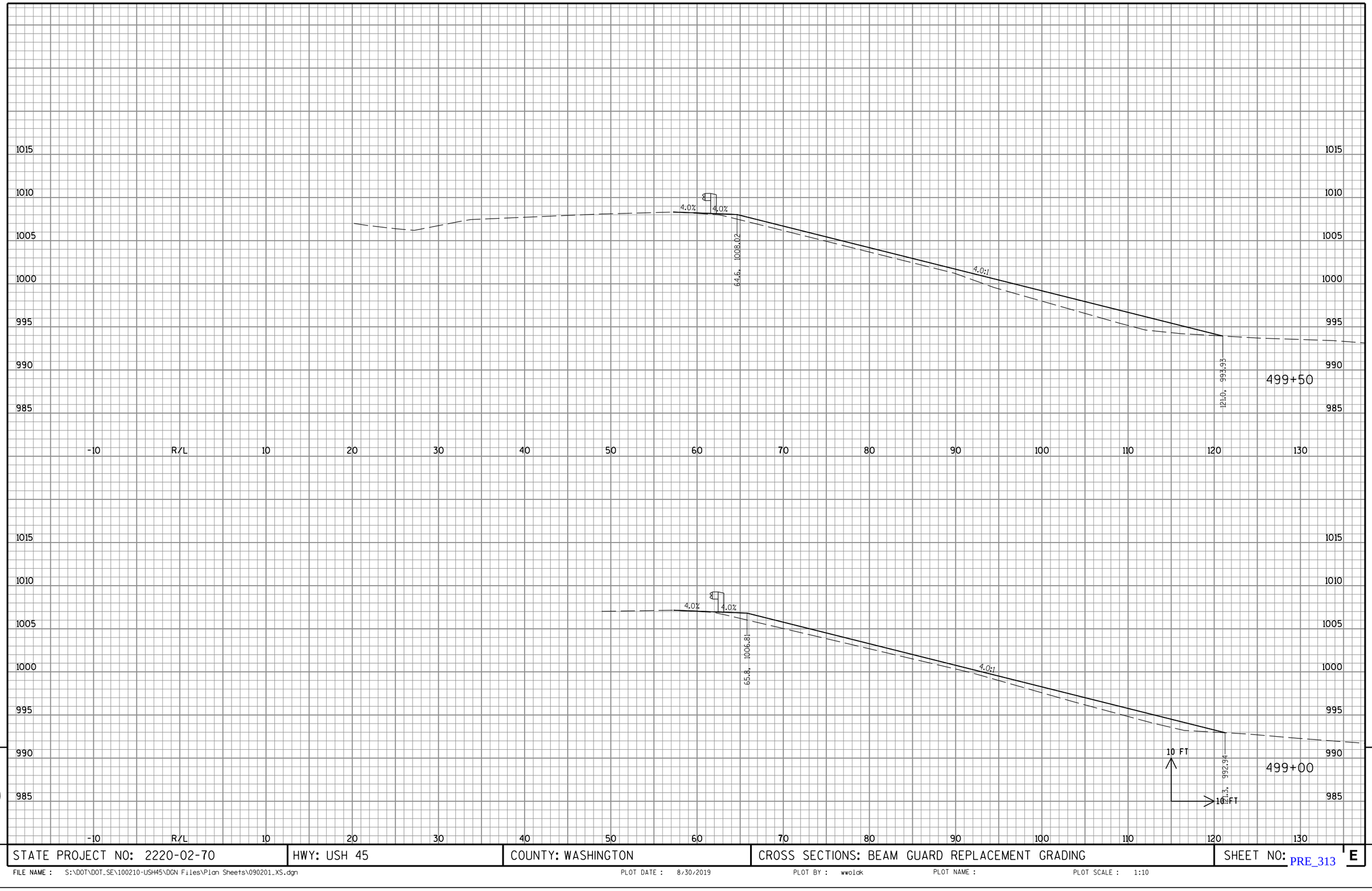


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_312 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

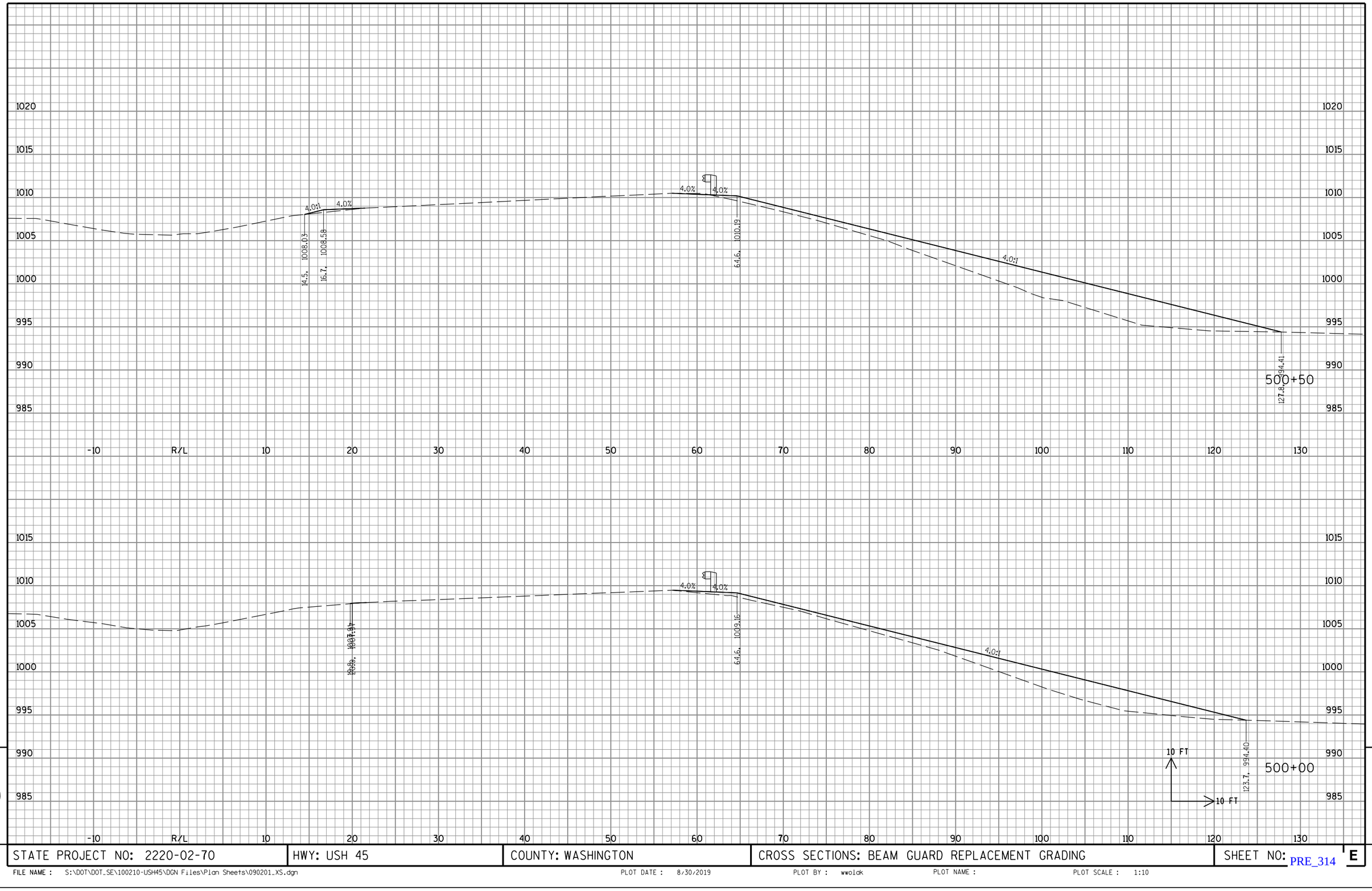


9

9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_313 E

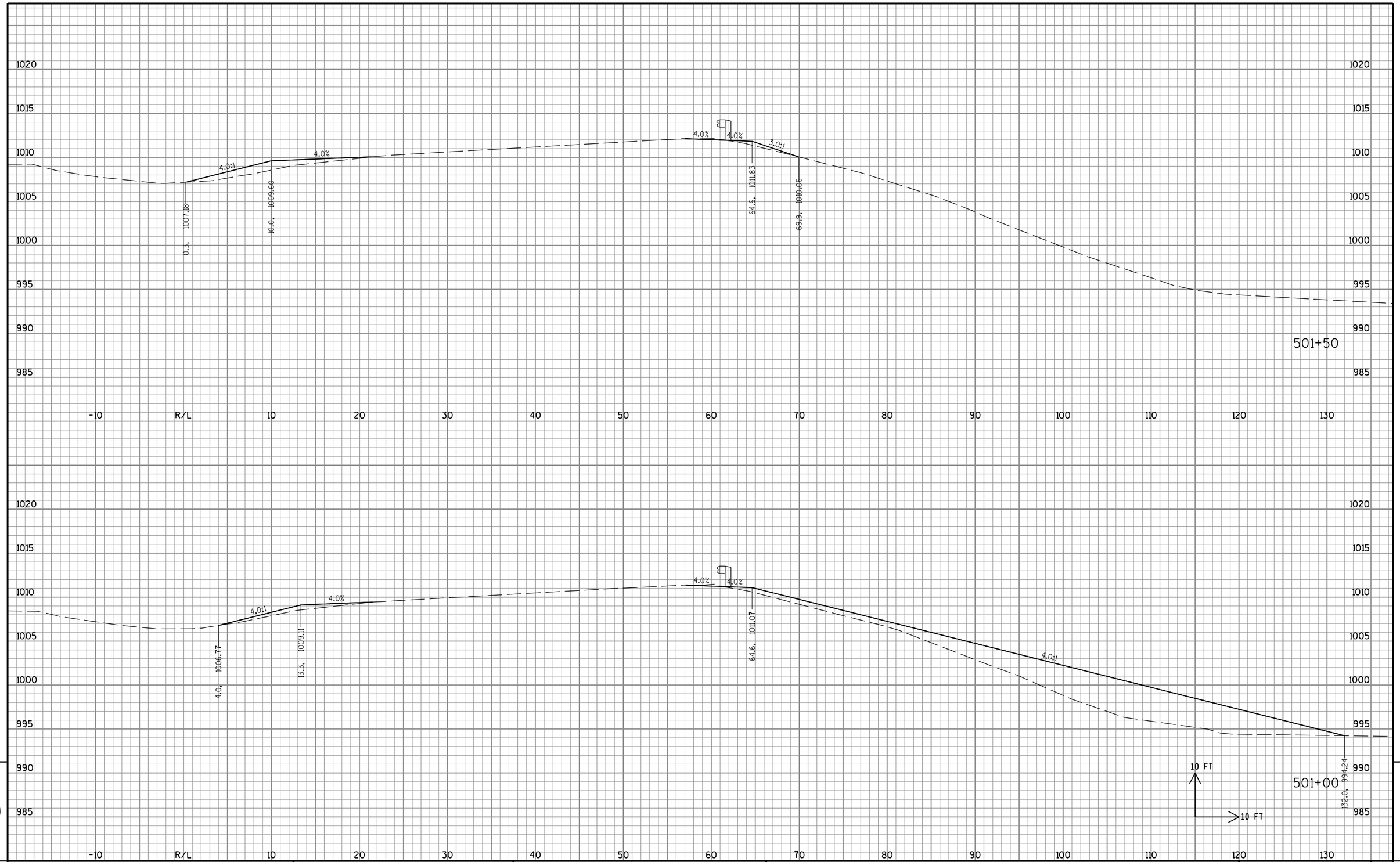
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_314 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

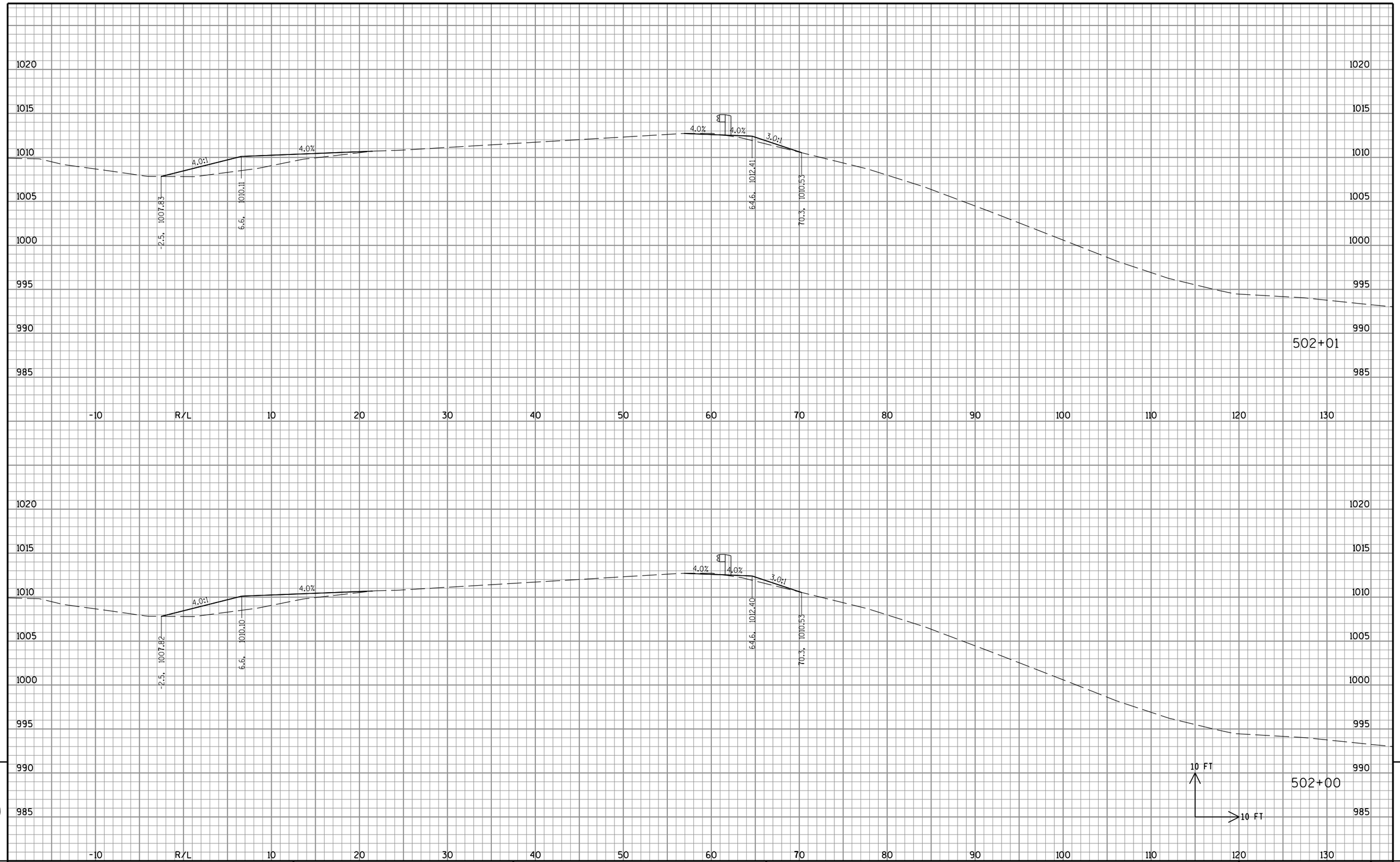
9 9



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_315 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

9 9

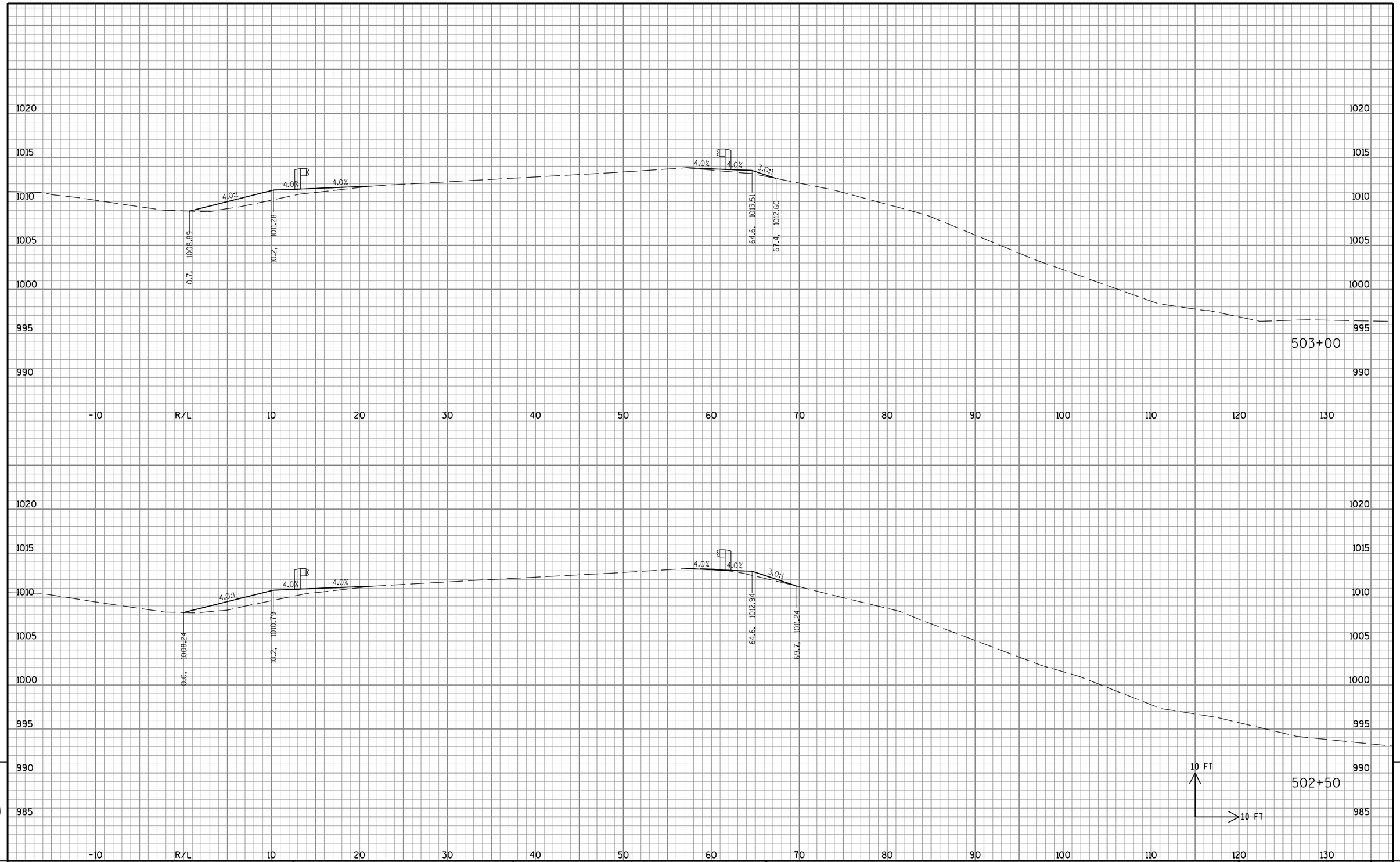


9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_316 E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

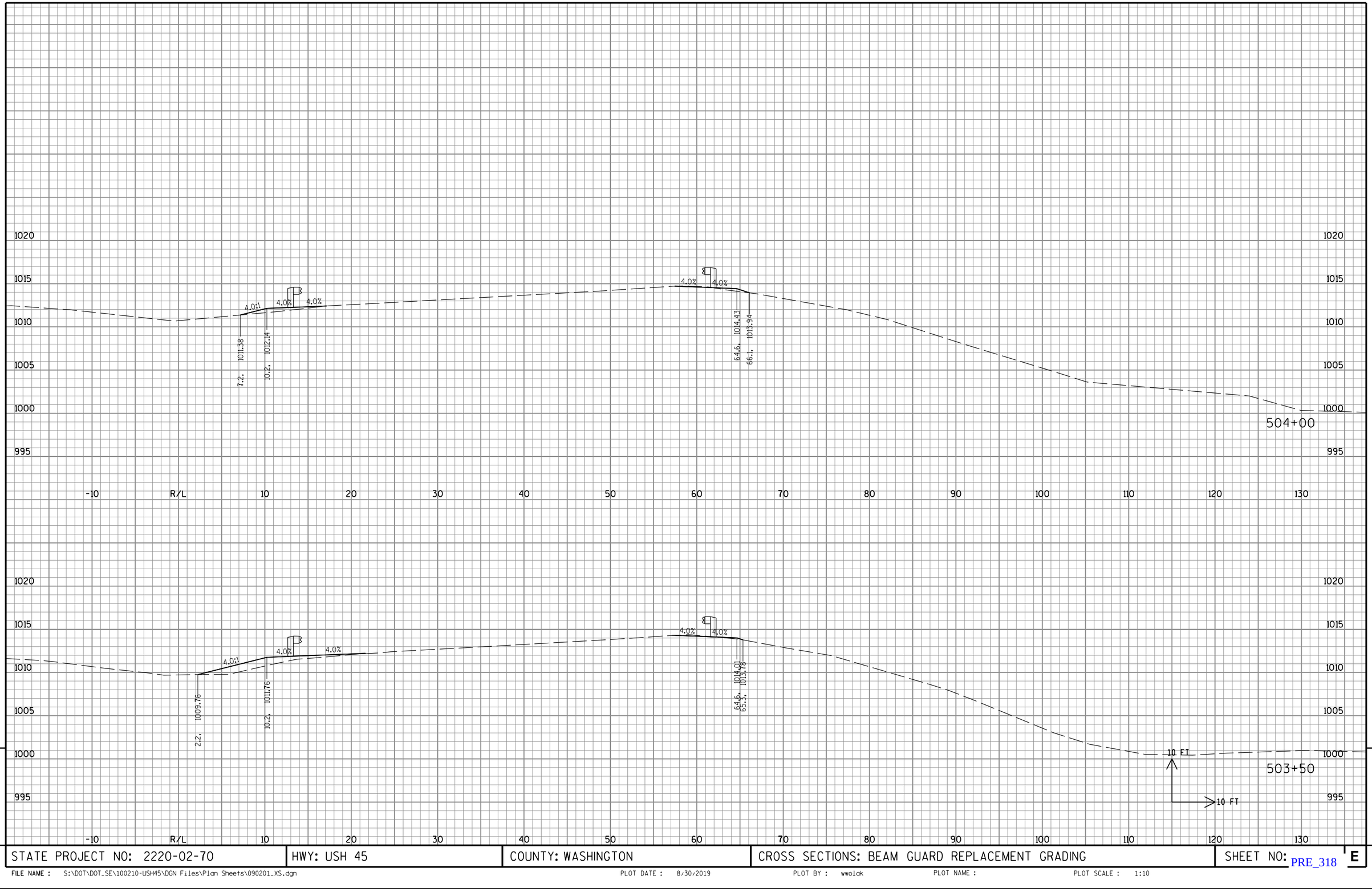


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_317 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

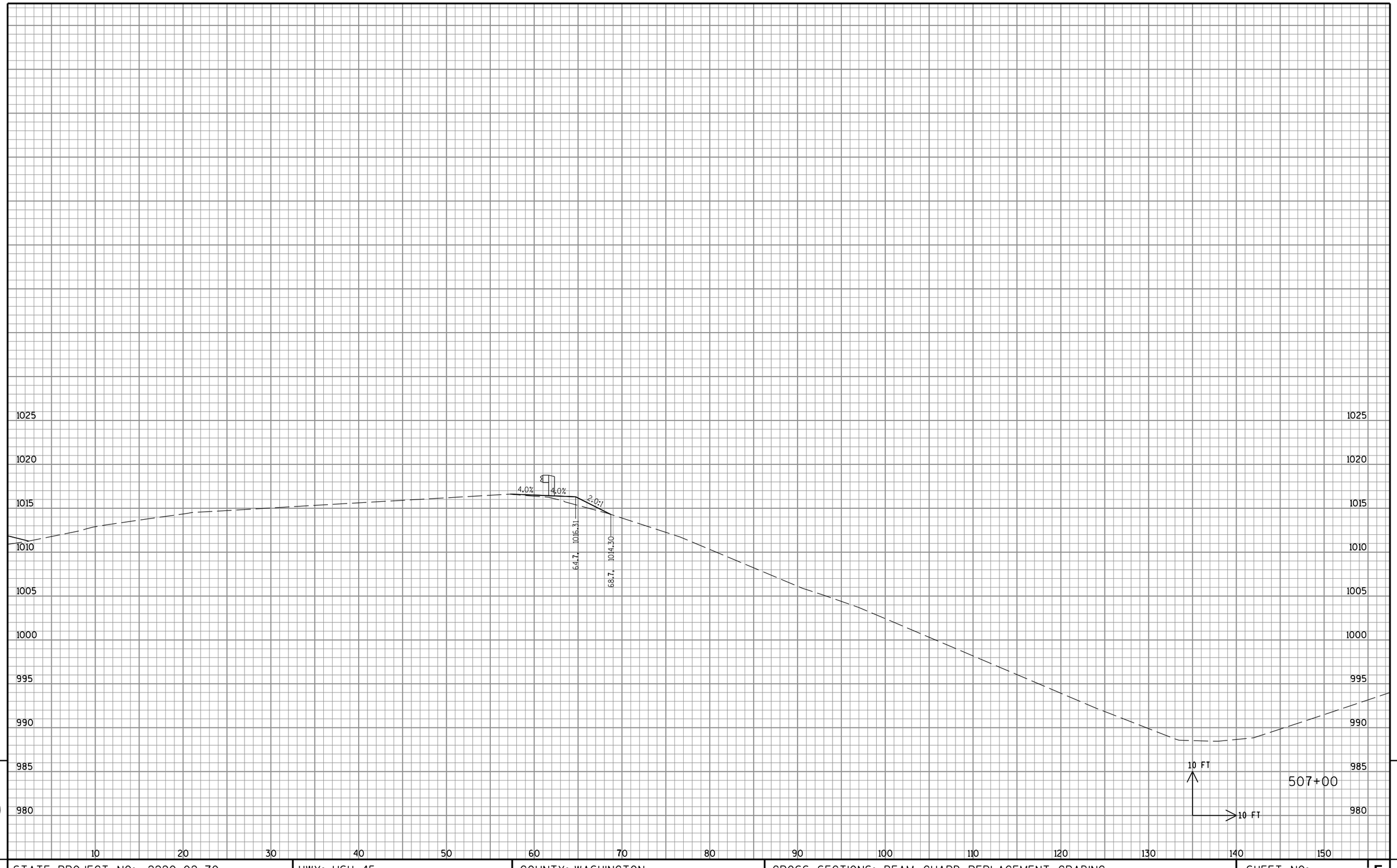


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_318 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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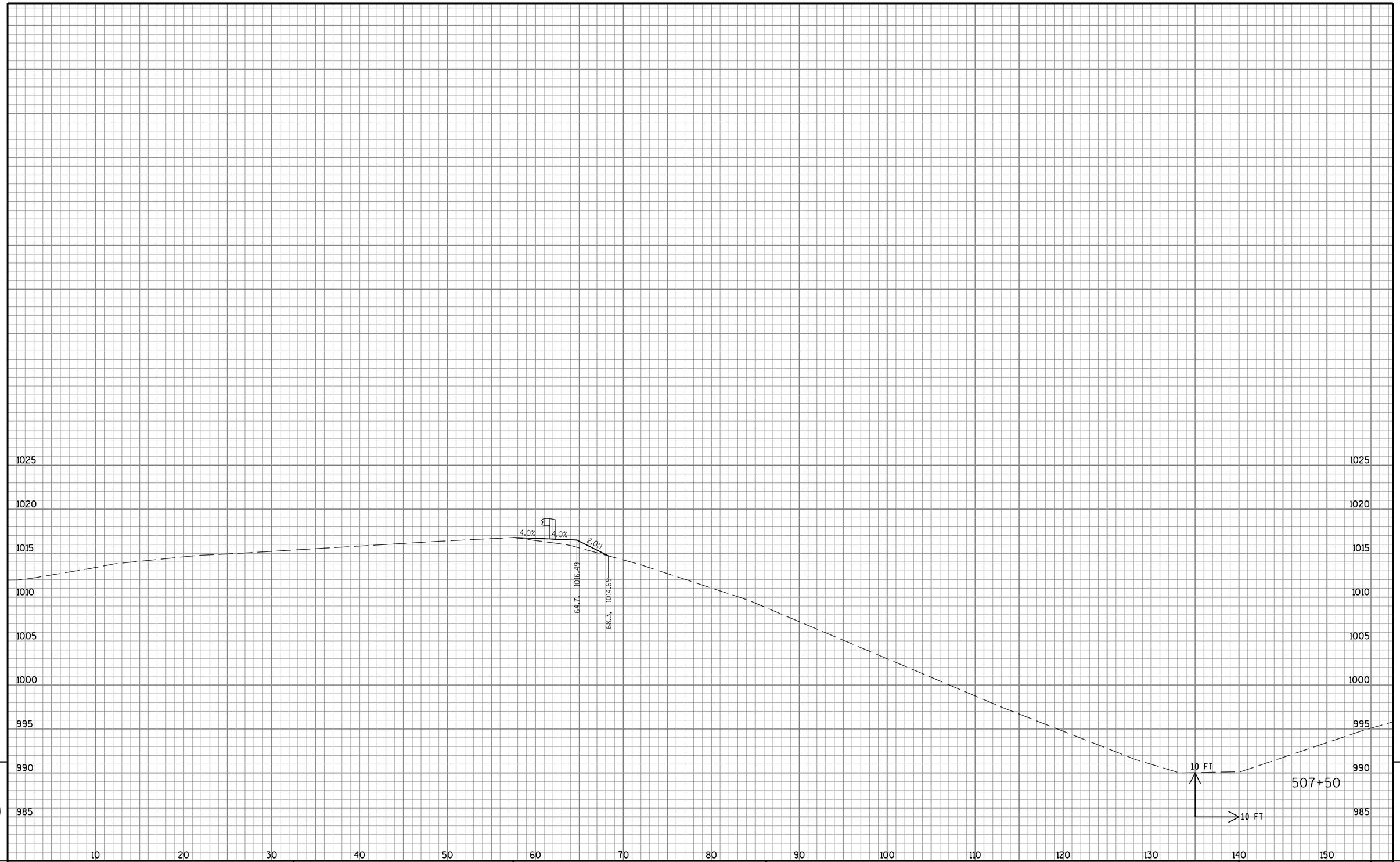


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_319 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

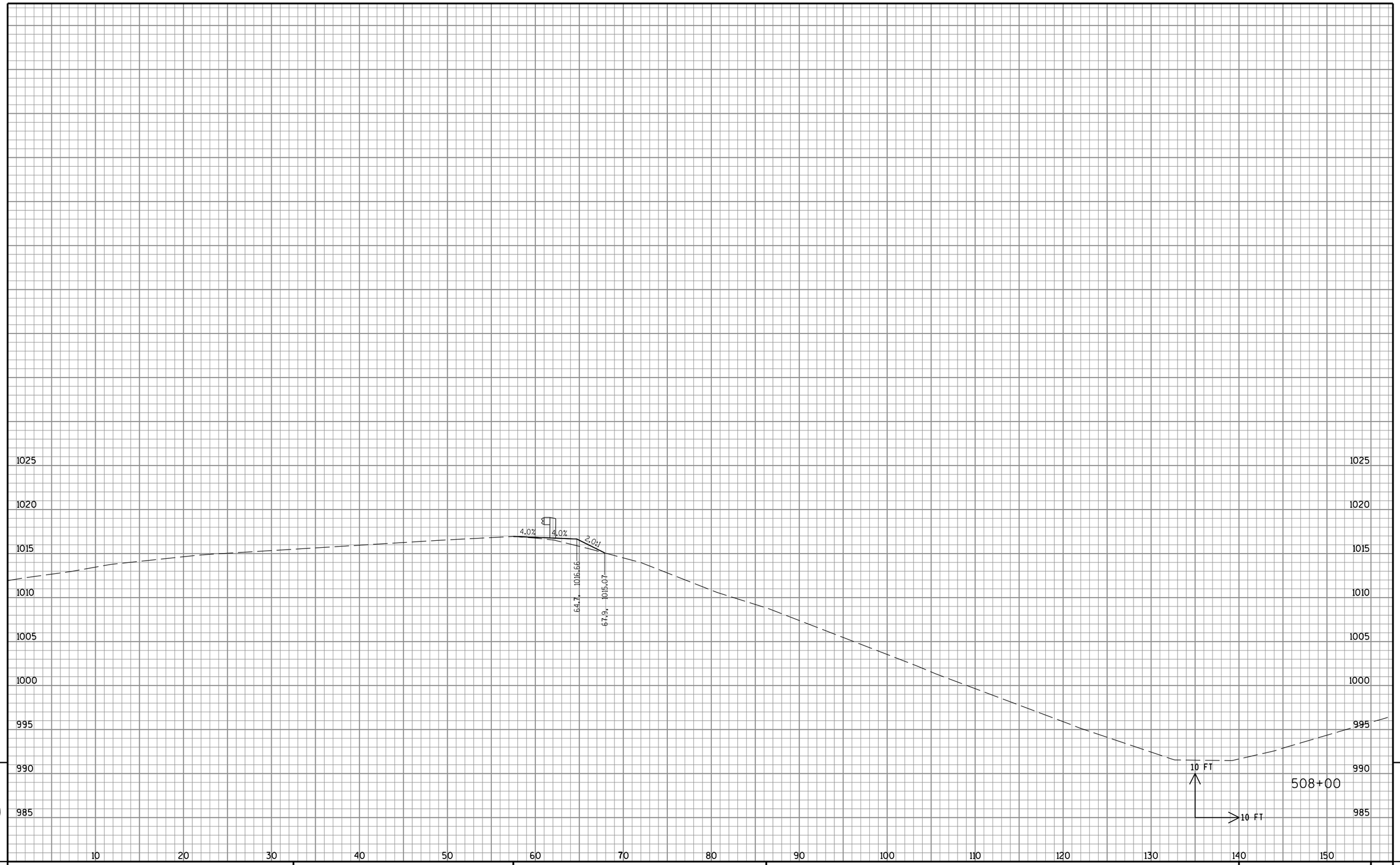


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_320 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

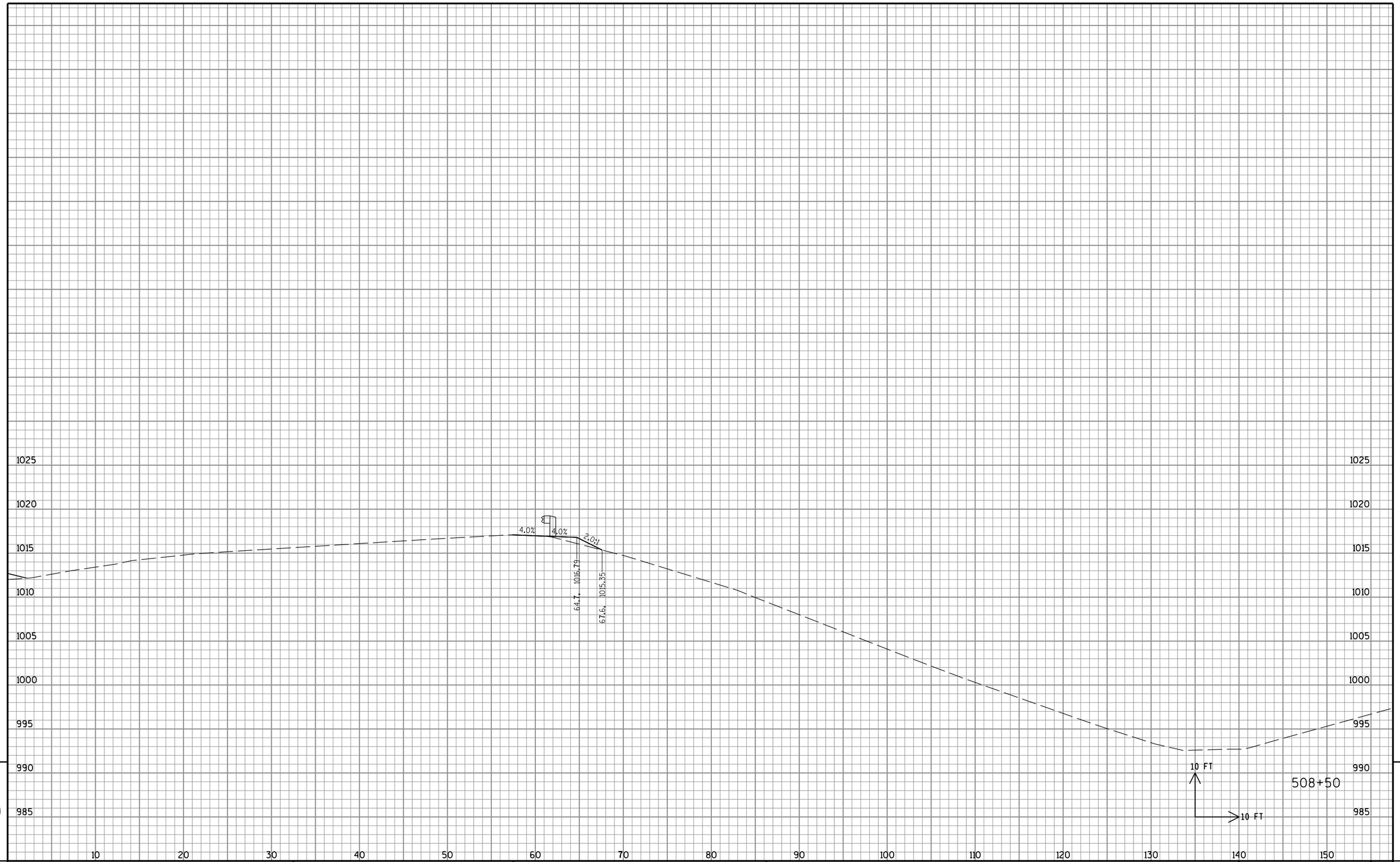


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_321 E

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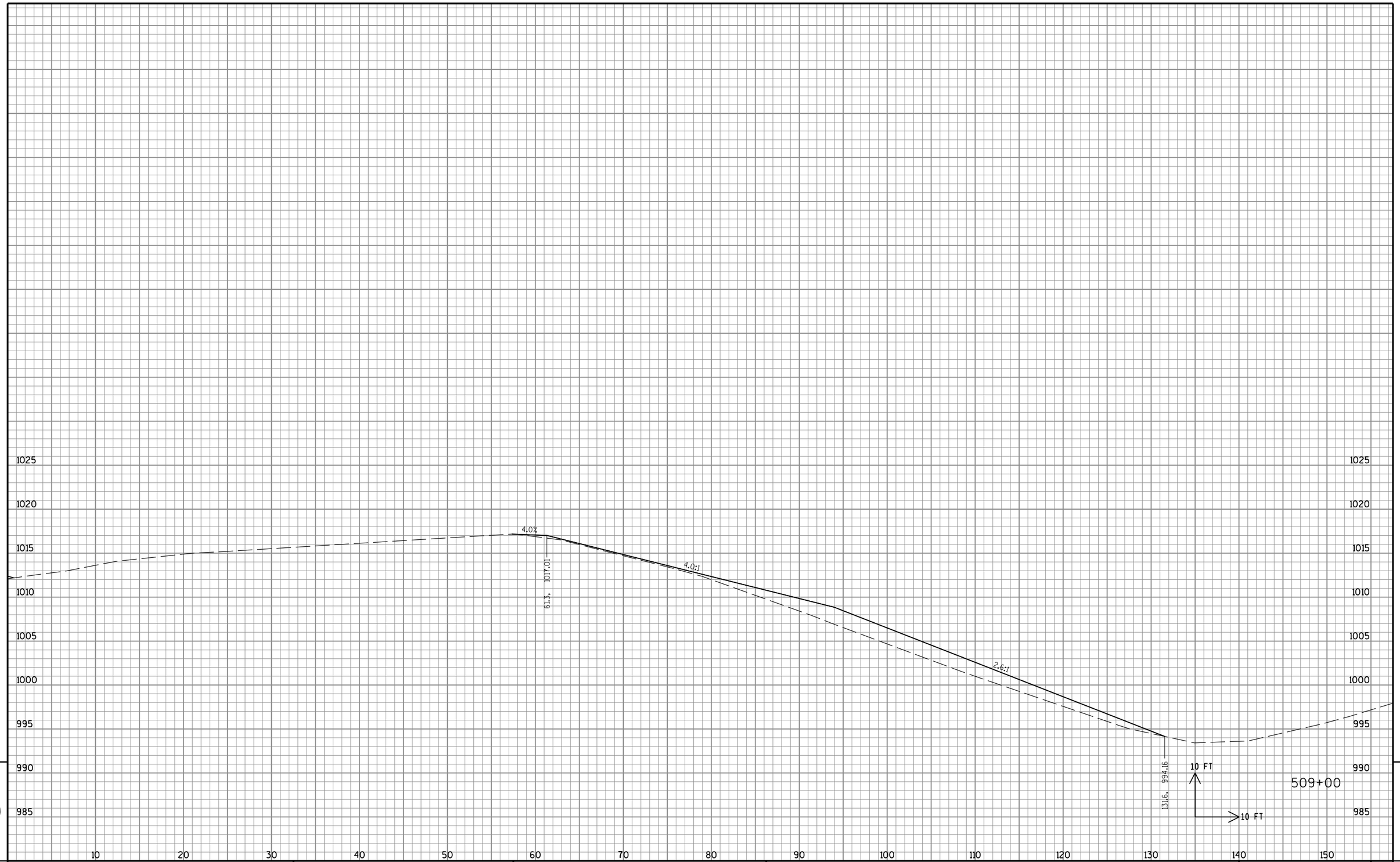


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_322 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

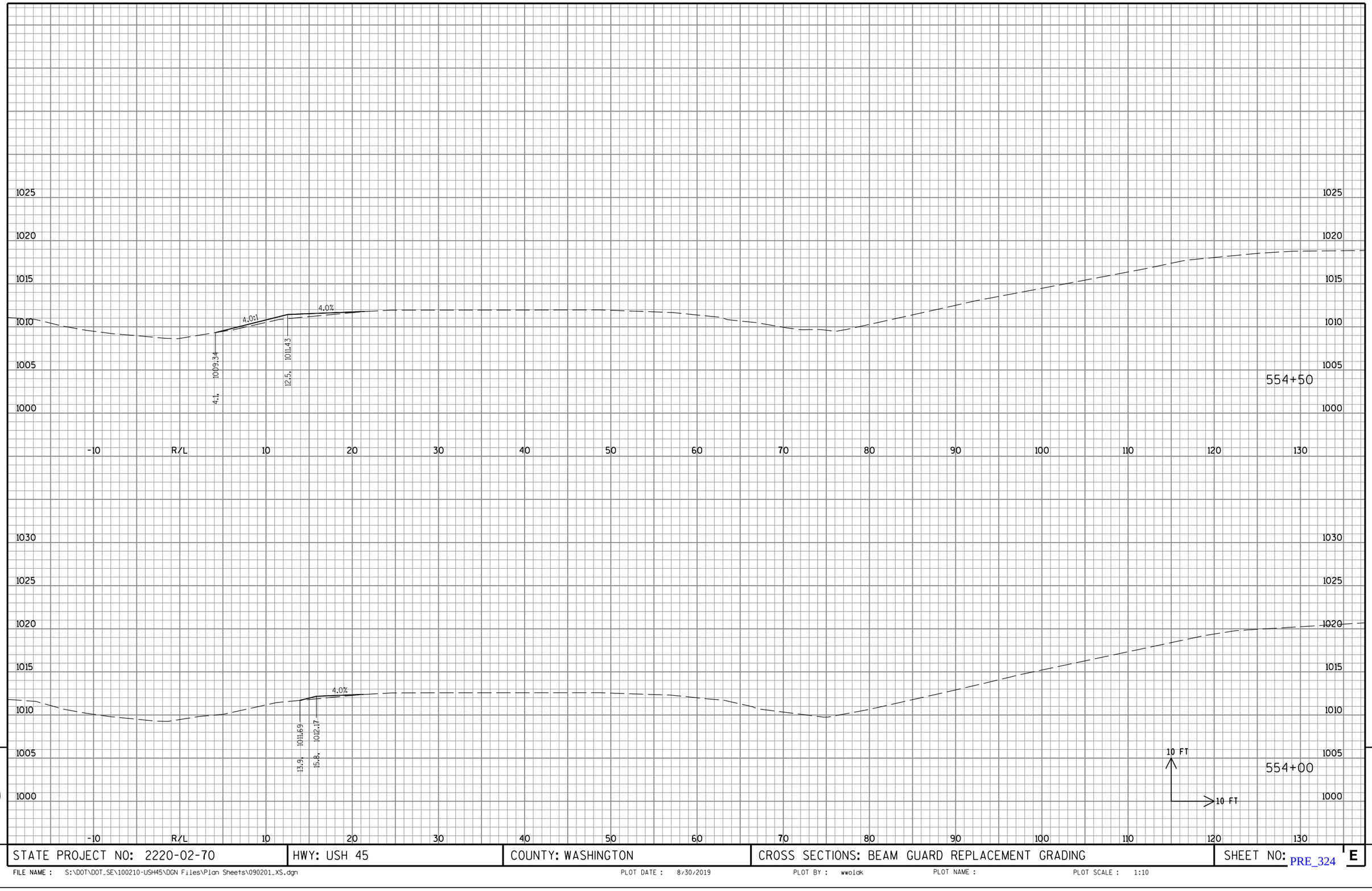


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_323 E

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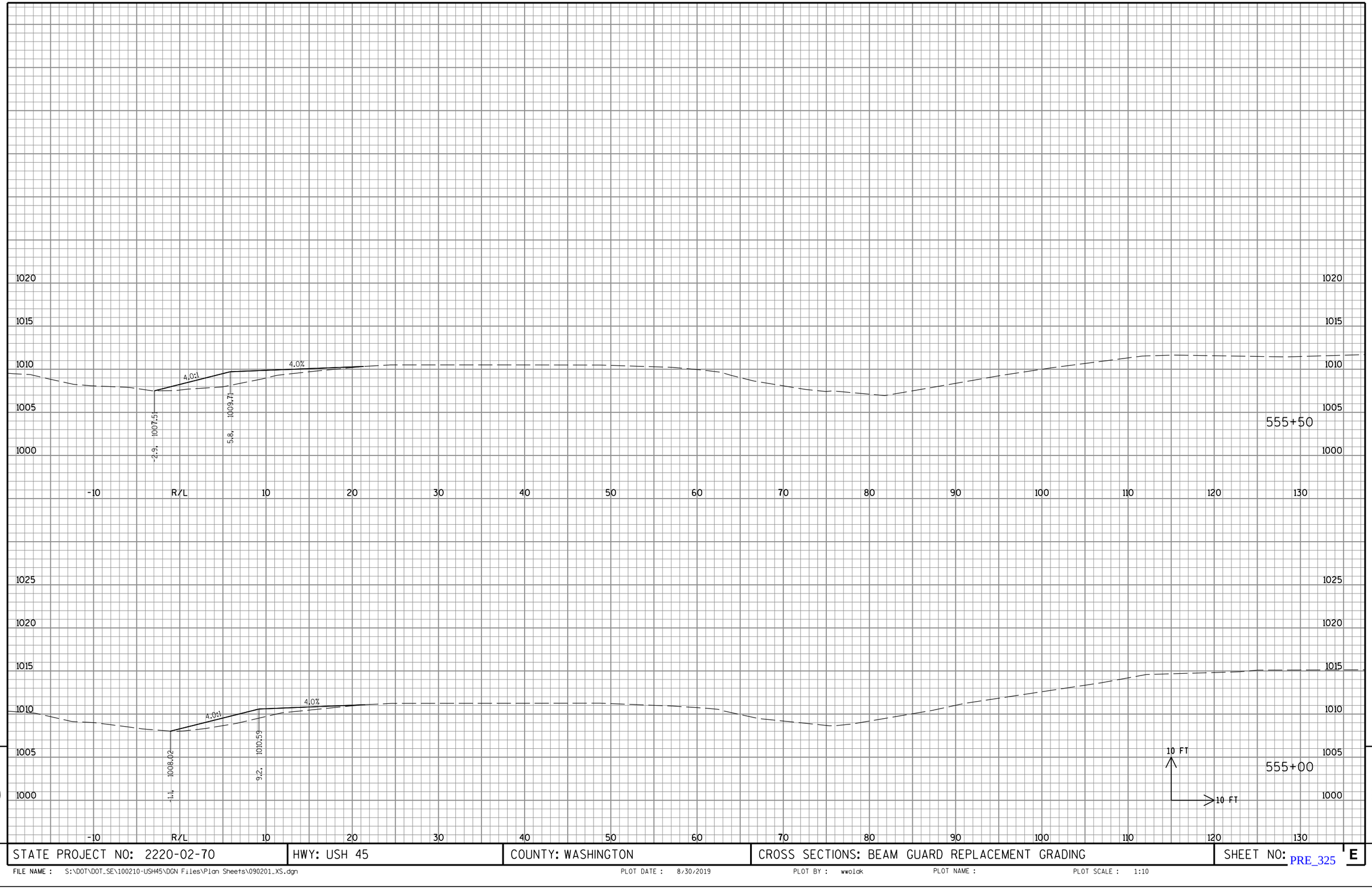


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_324 E

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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_325 E

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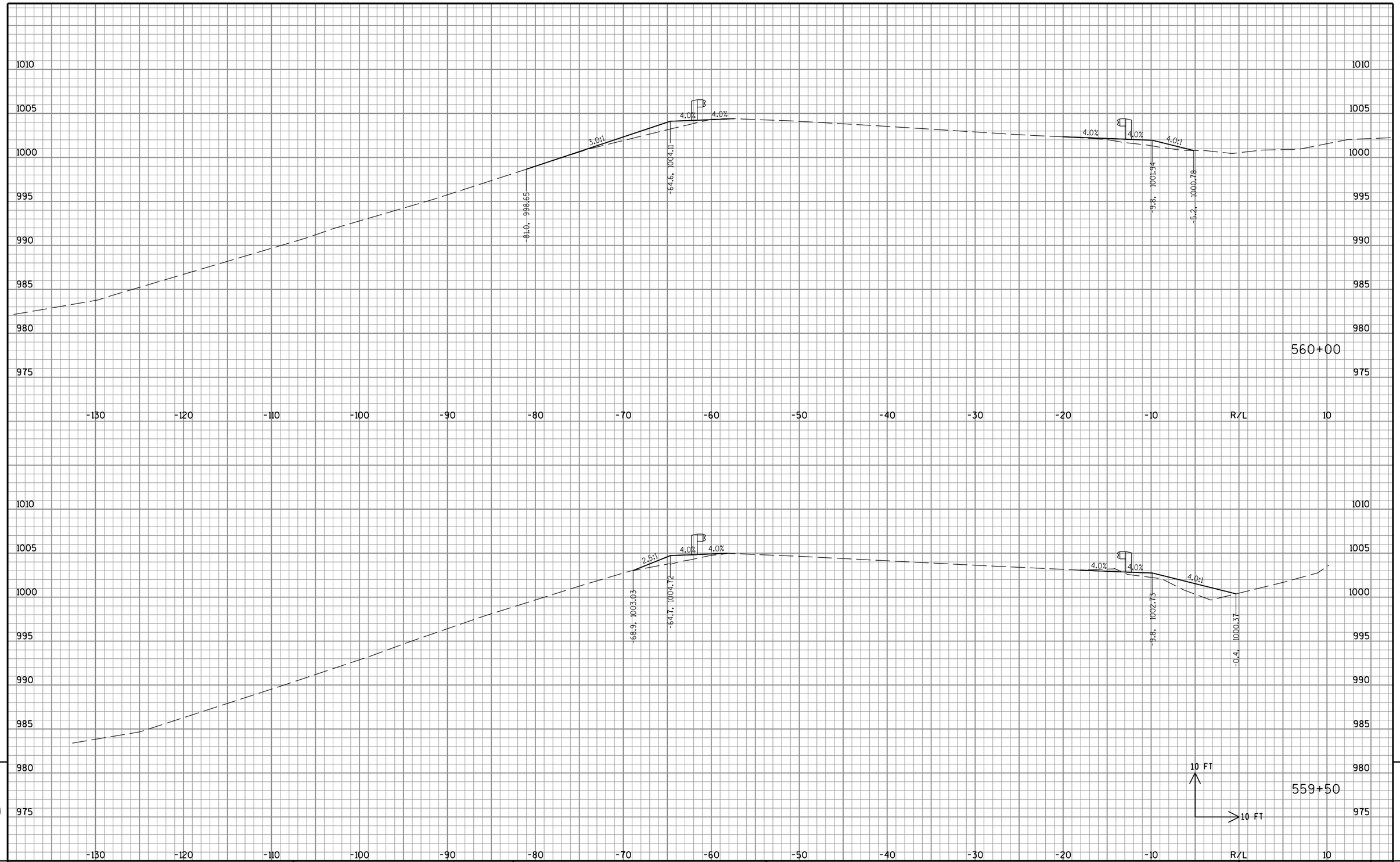
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

PRE_326

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

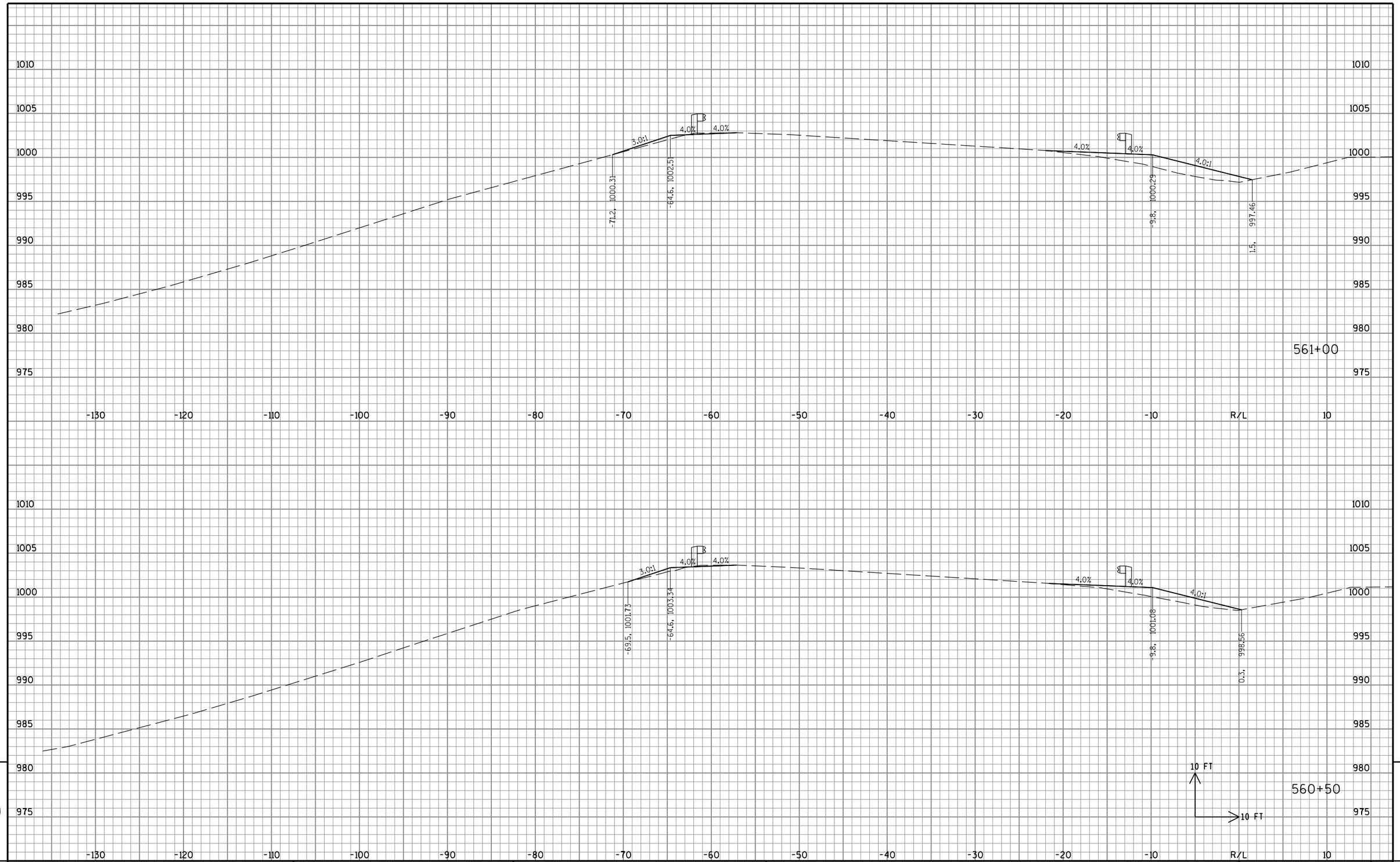


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_327 E

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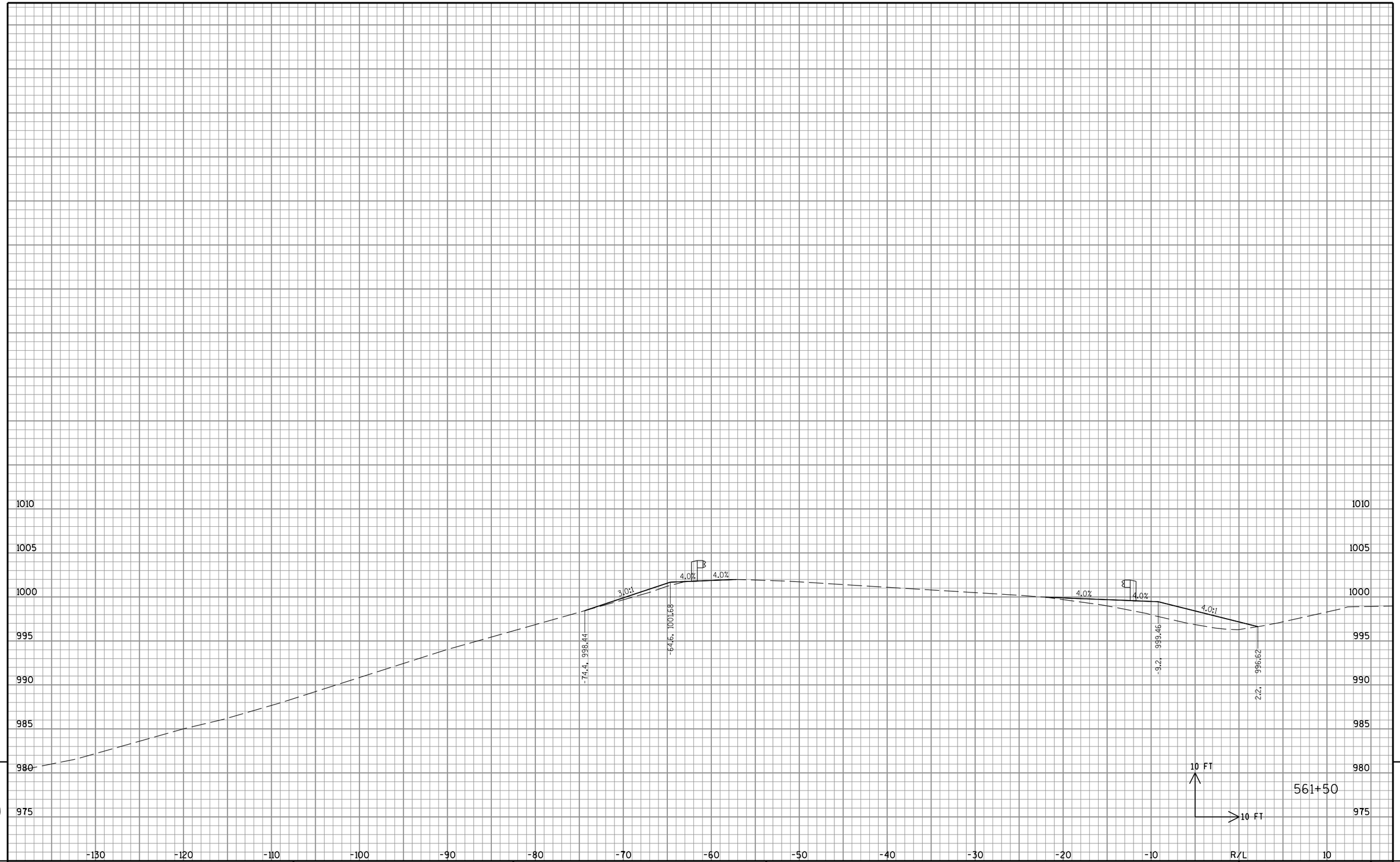


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_328 E

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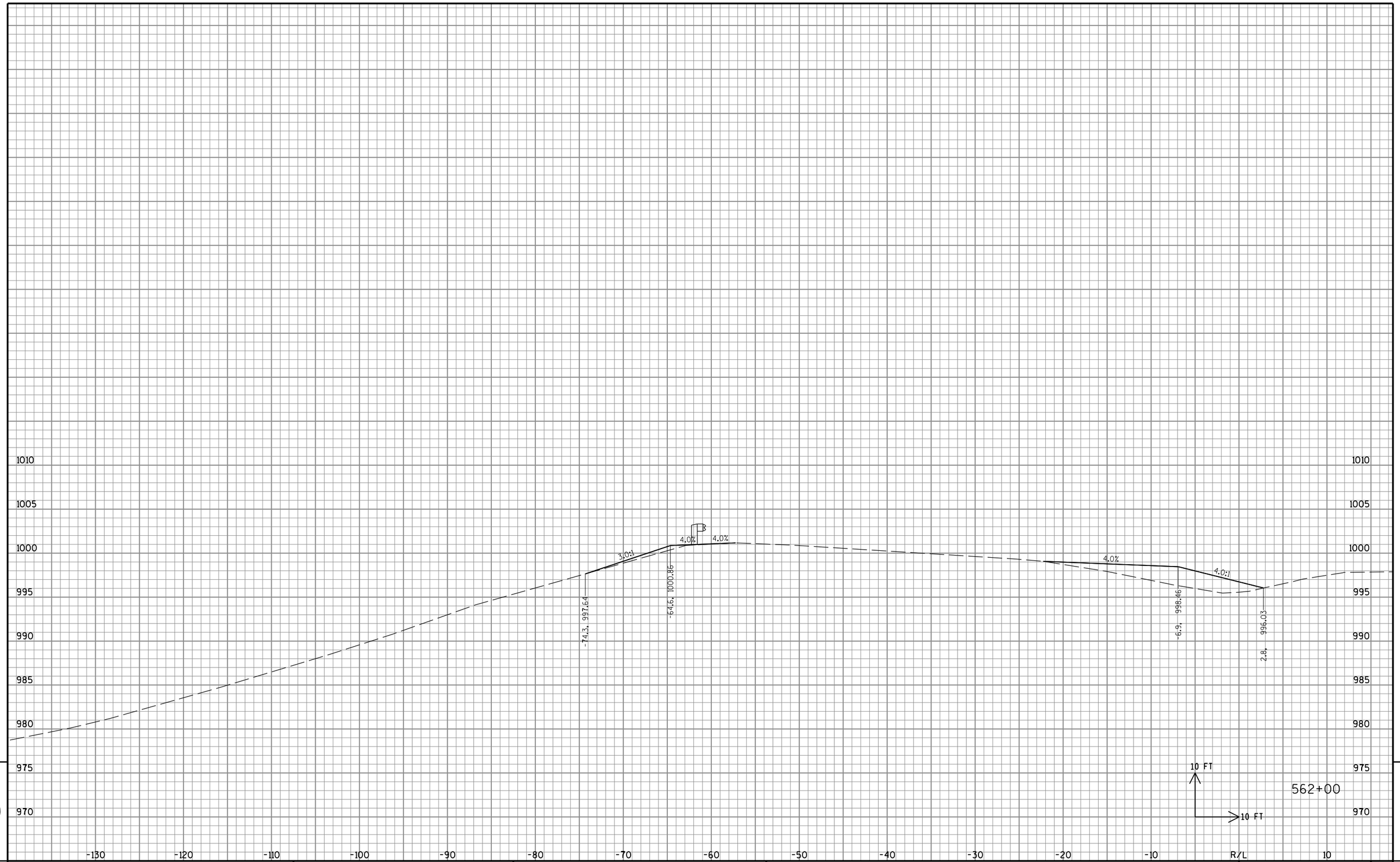


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_329 E

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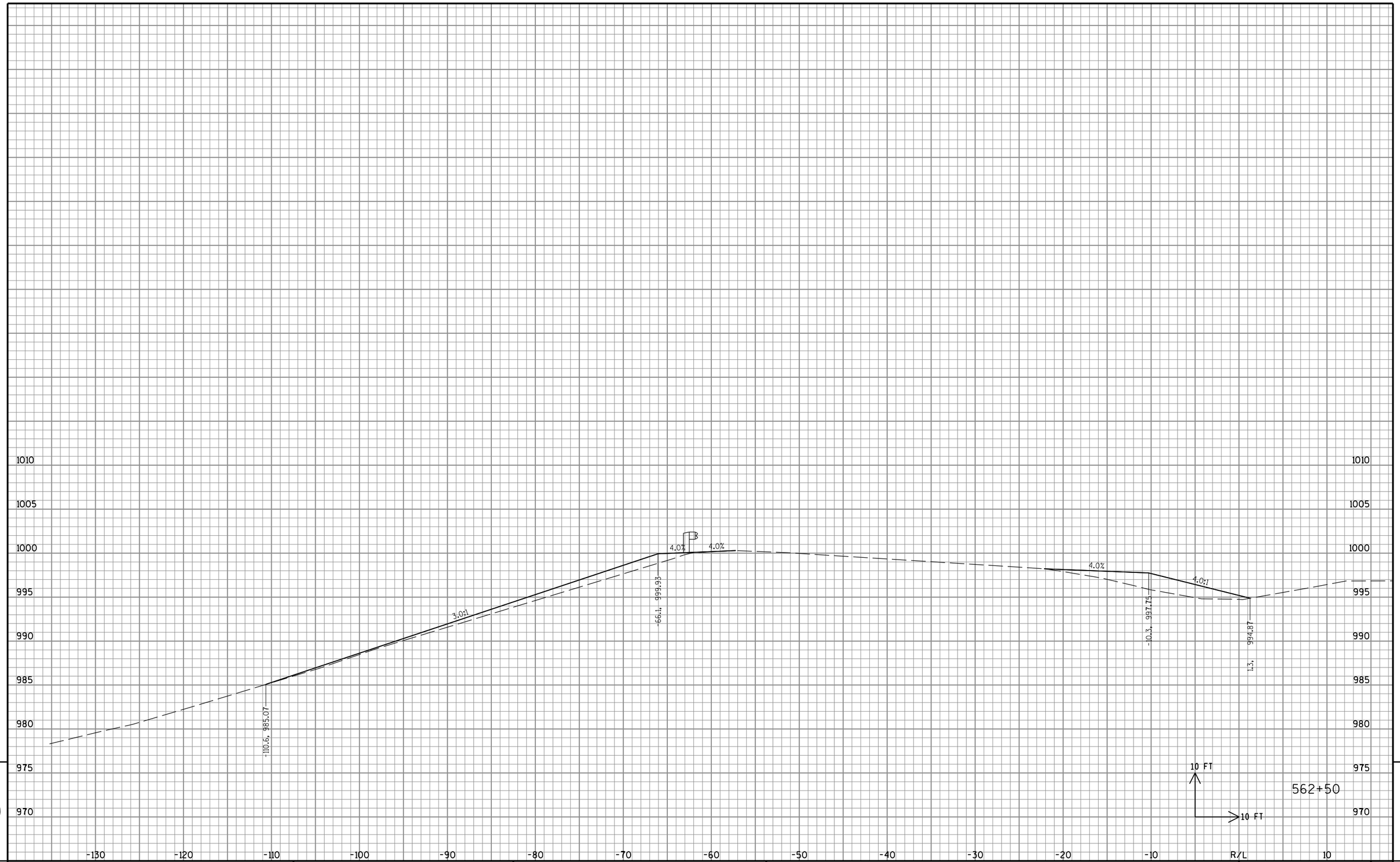


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_330 E

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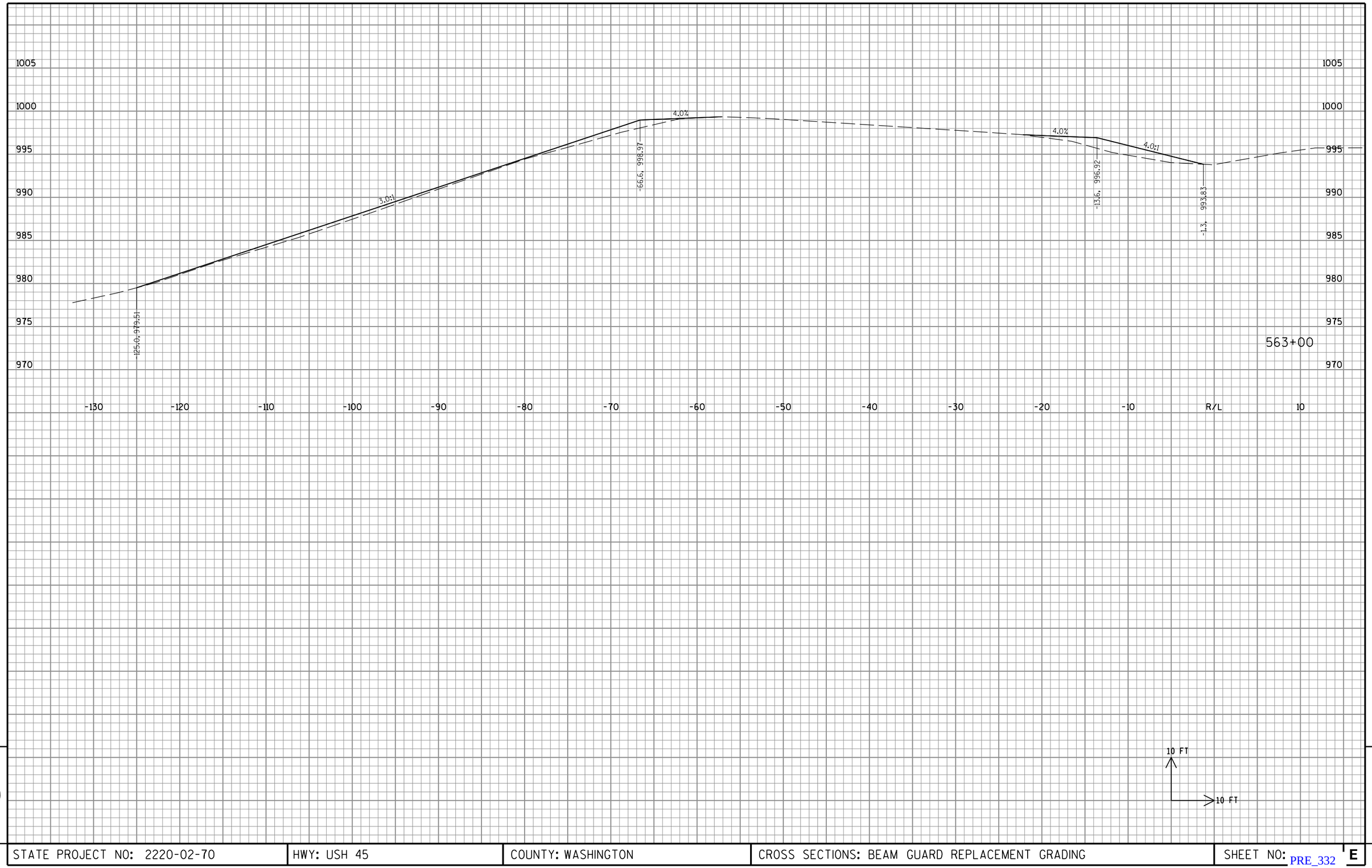


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_331 E

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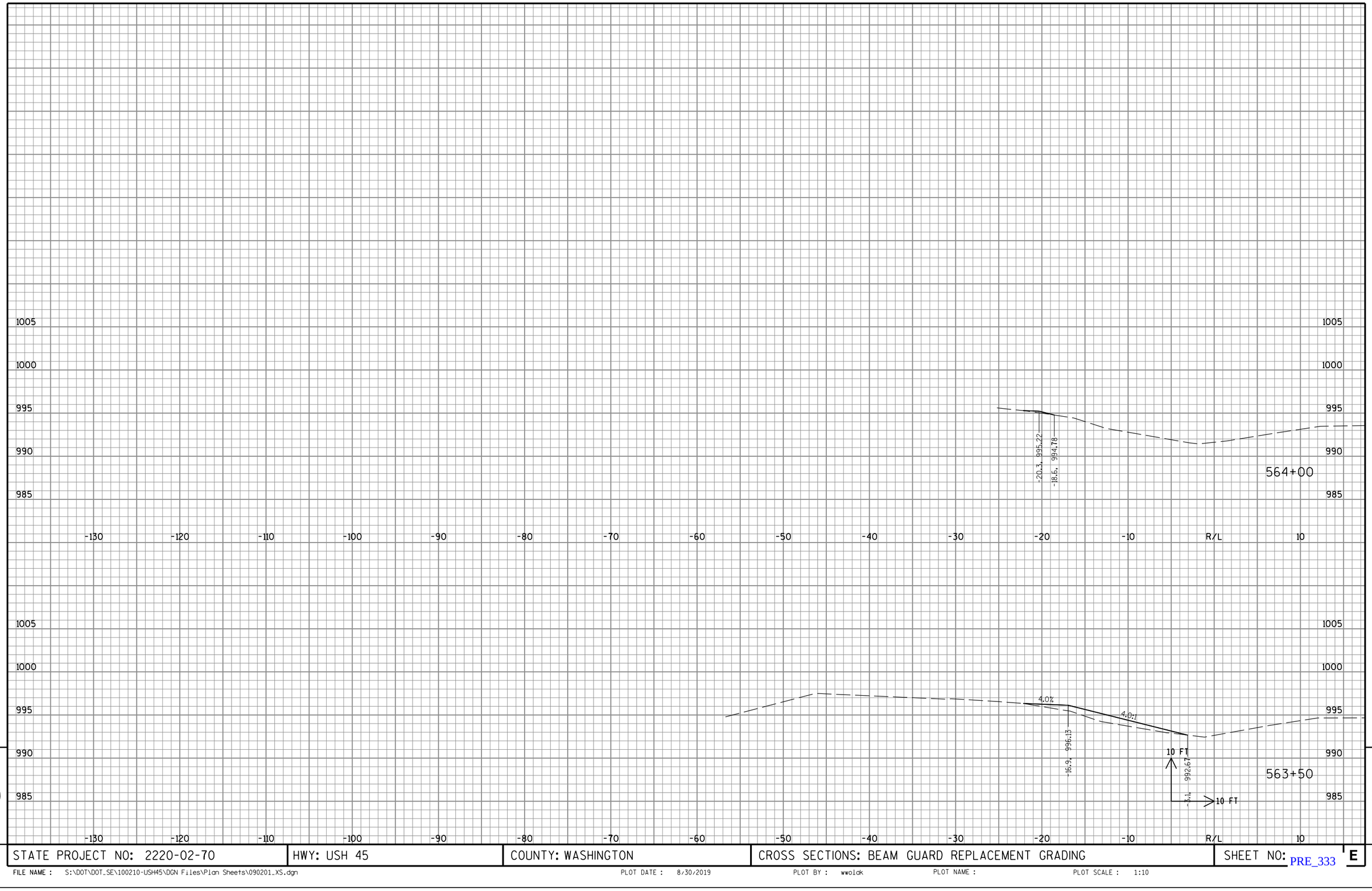


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_332 E

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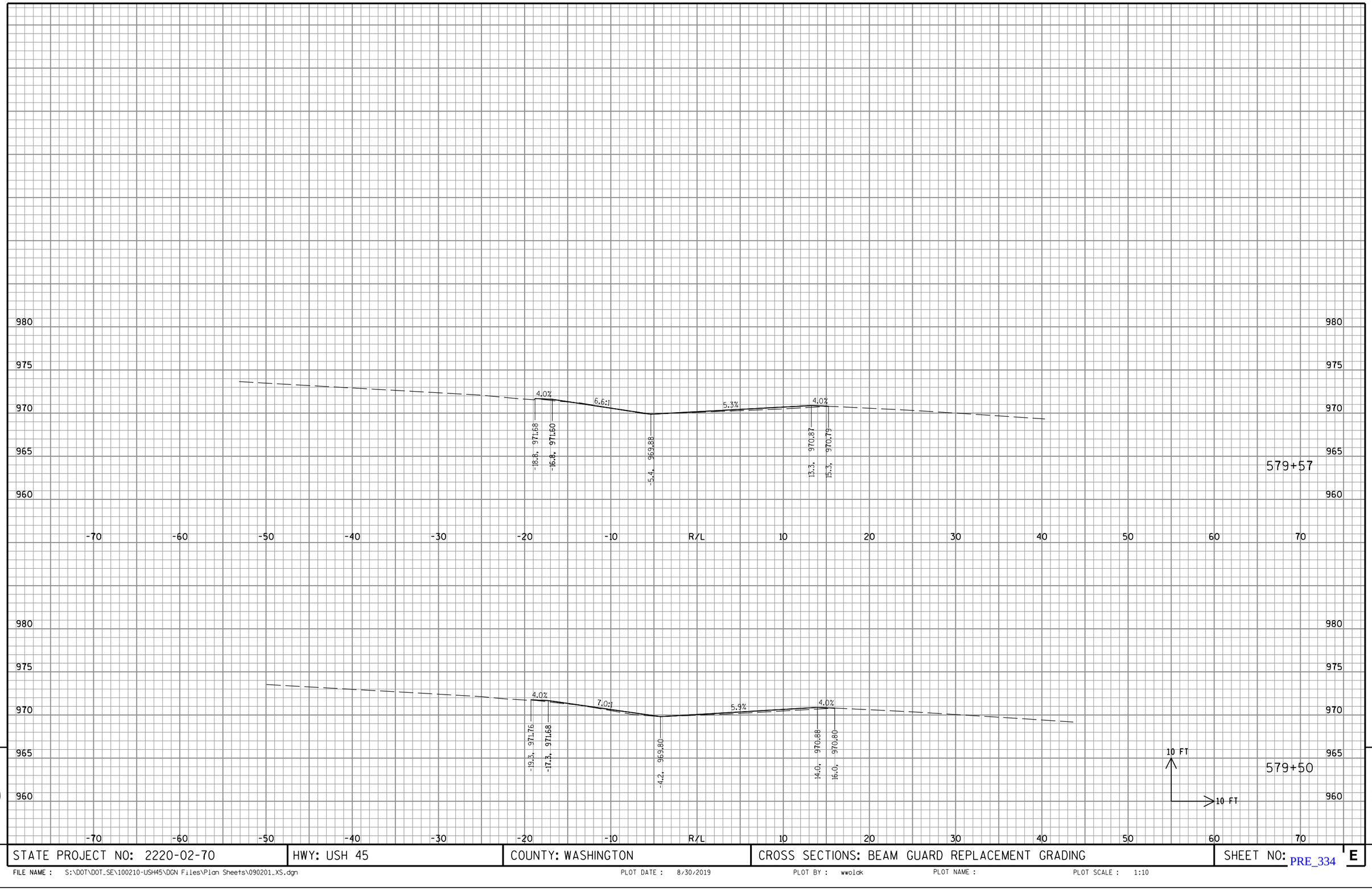


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_333 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

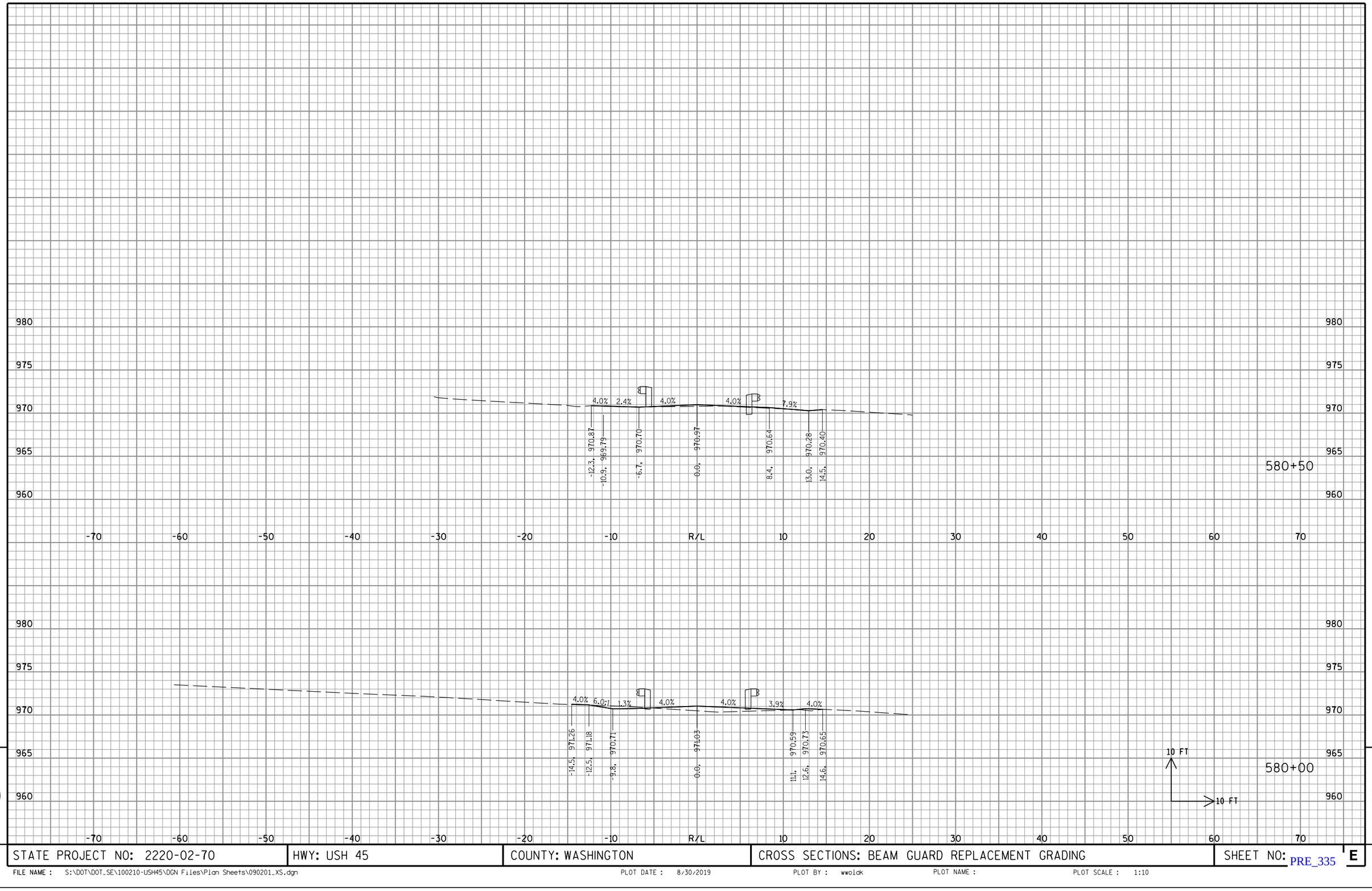


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_334 E

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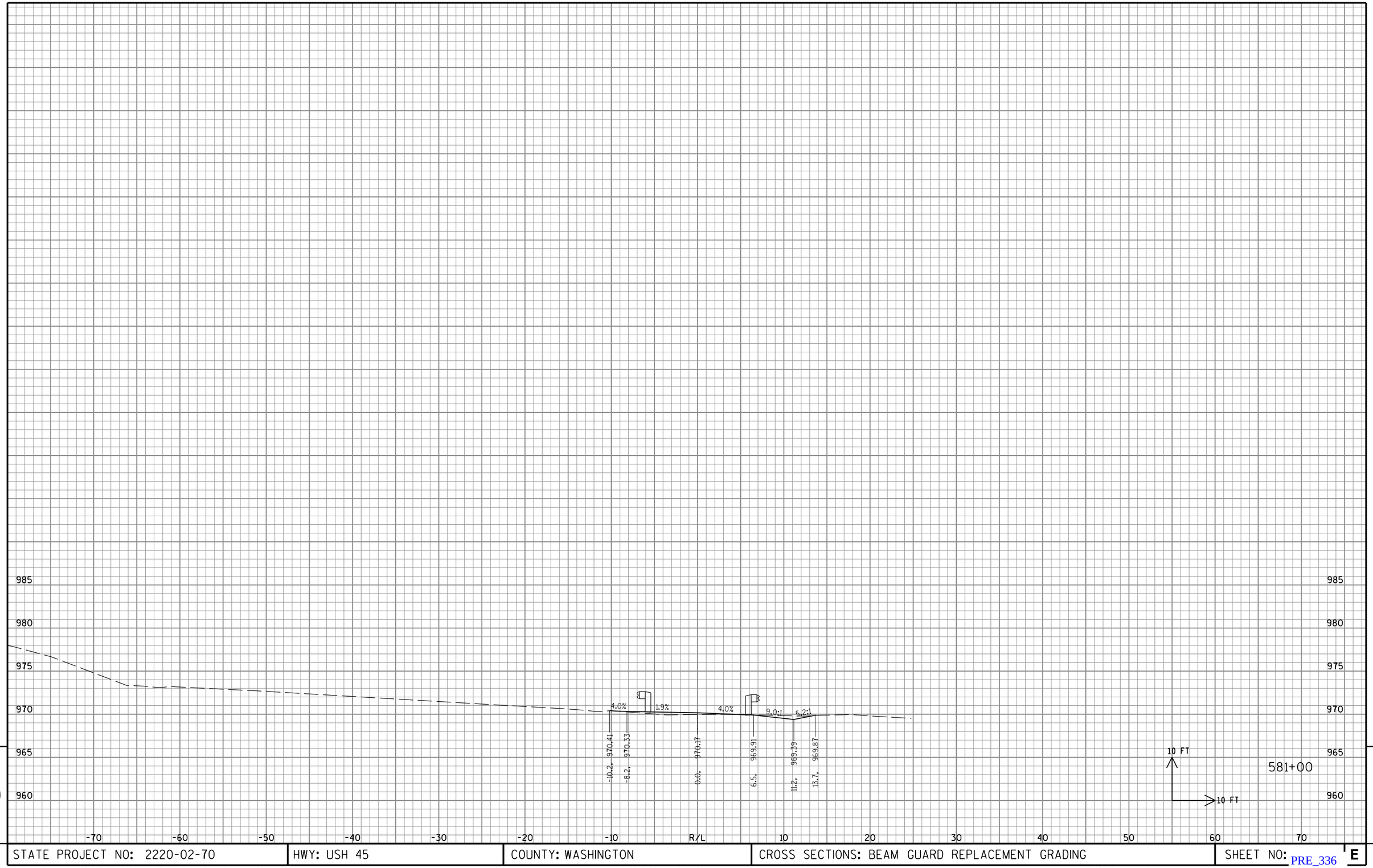
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_335 E

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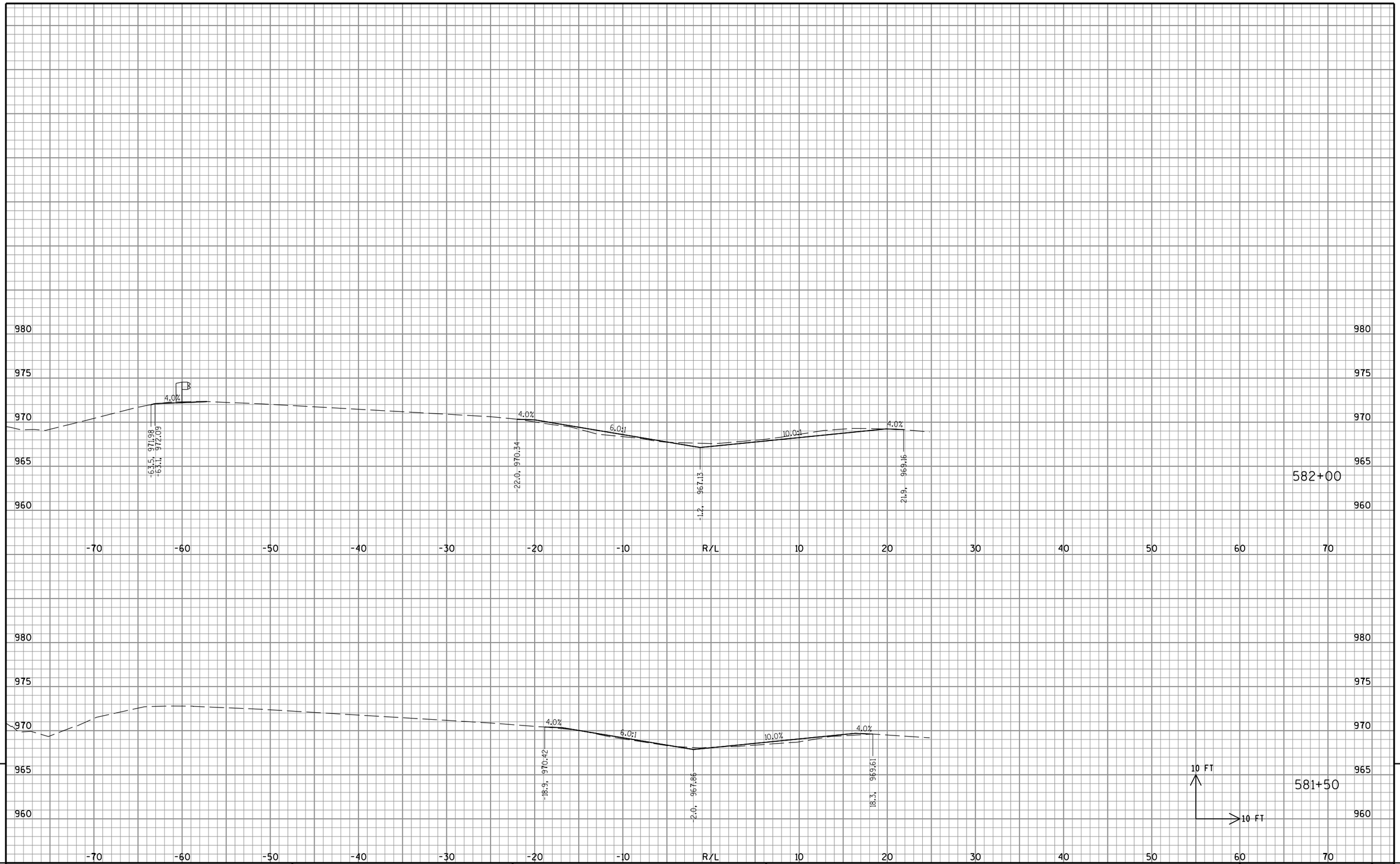


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_336 E

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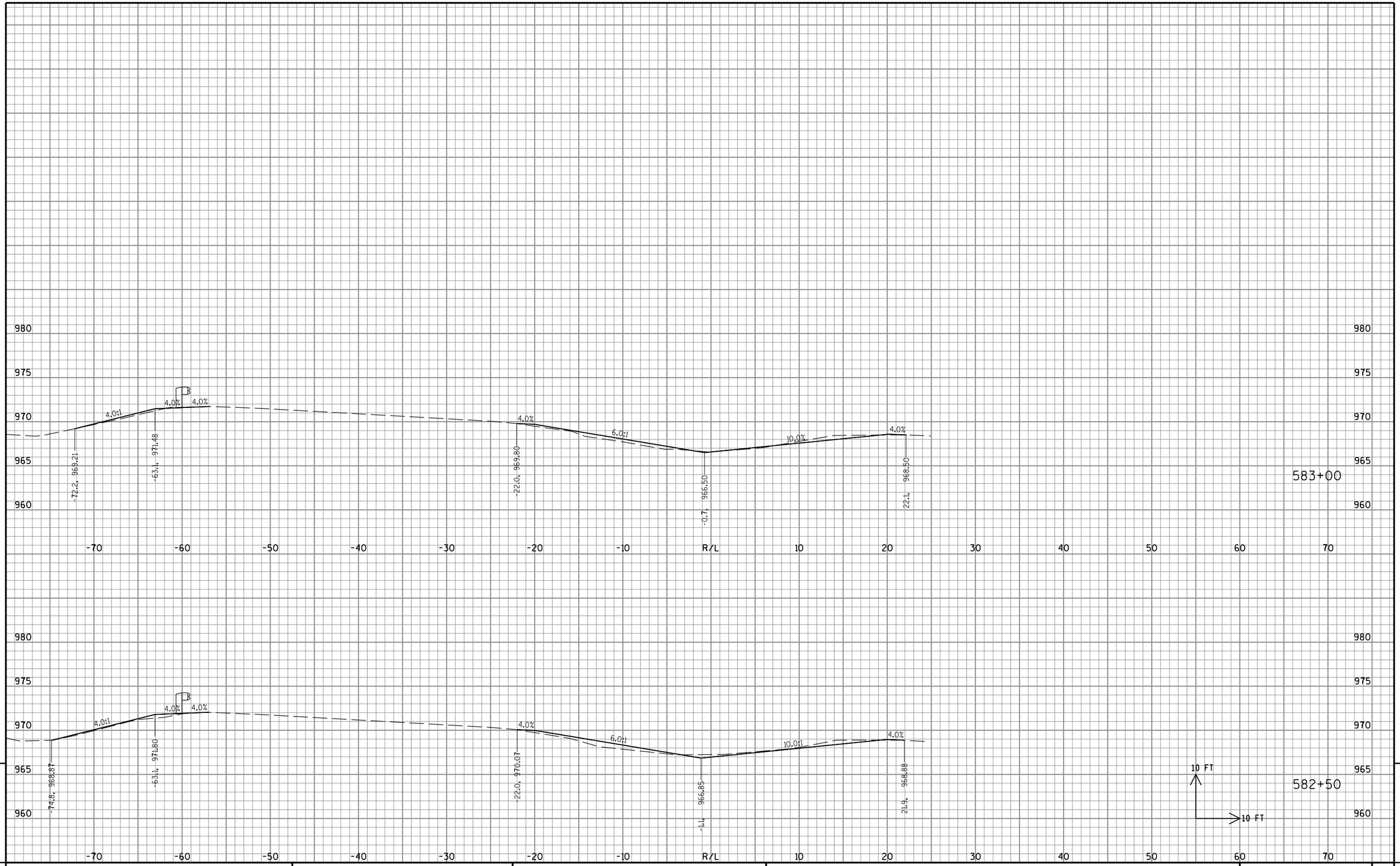


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_337 E

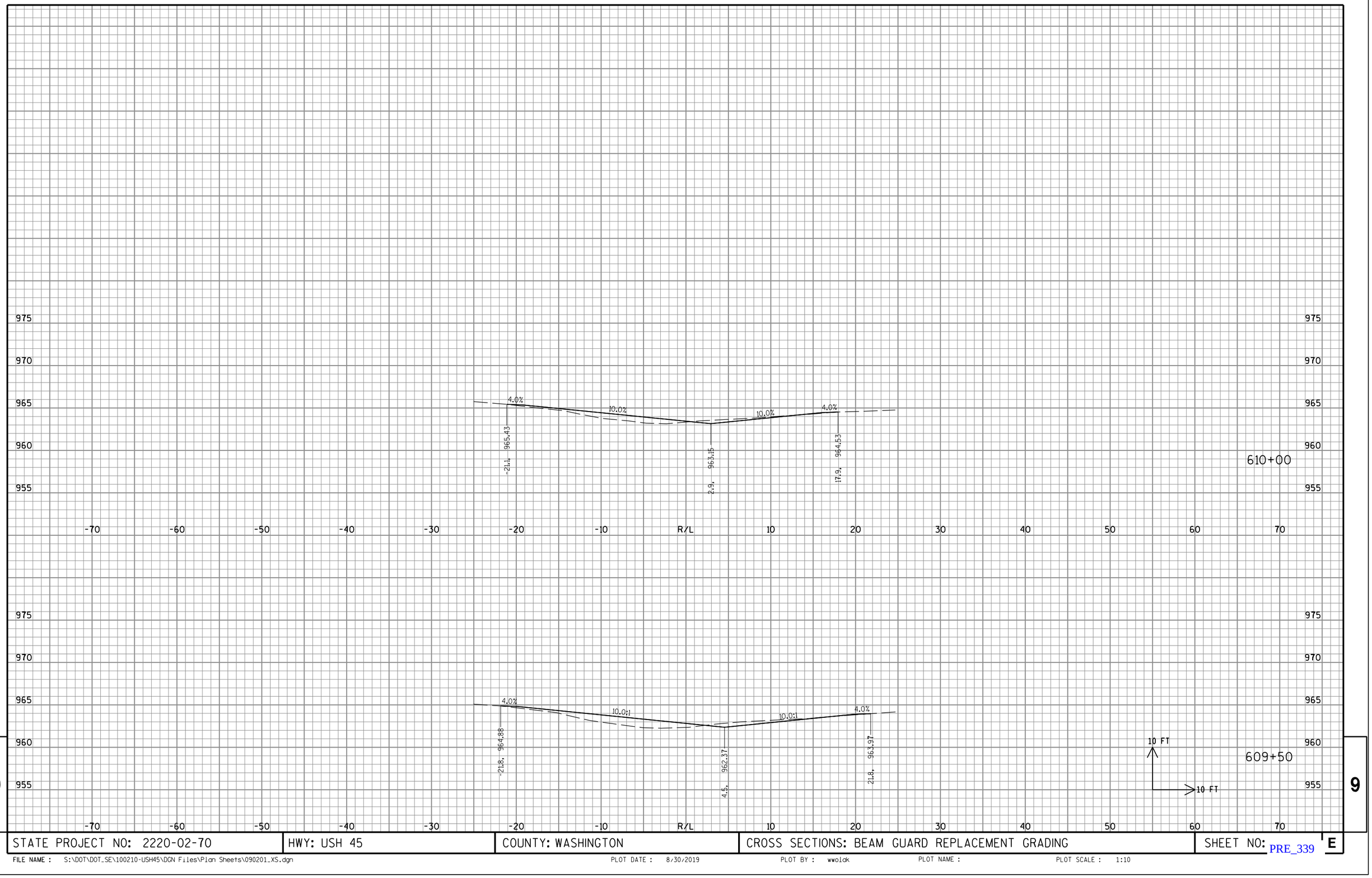
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_338 E

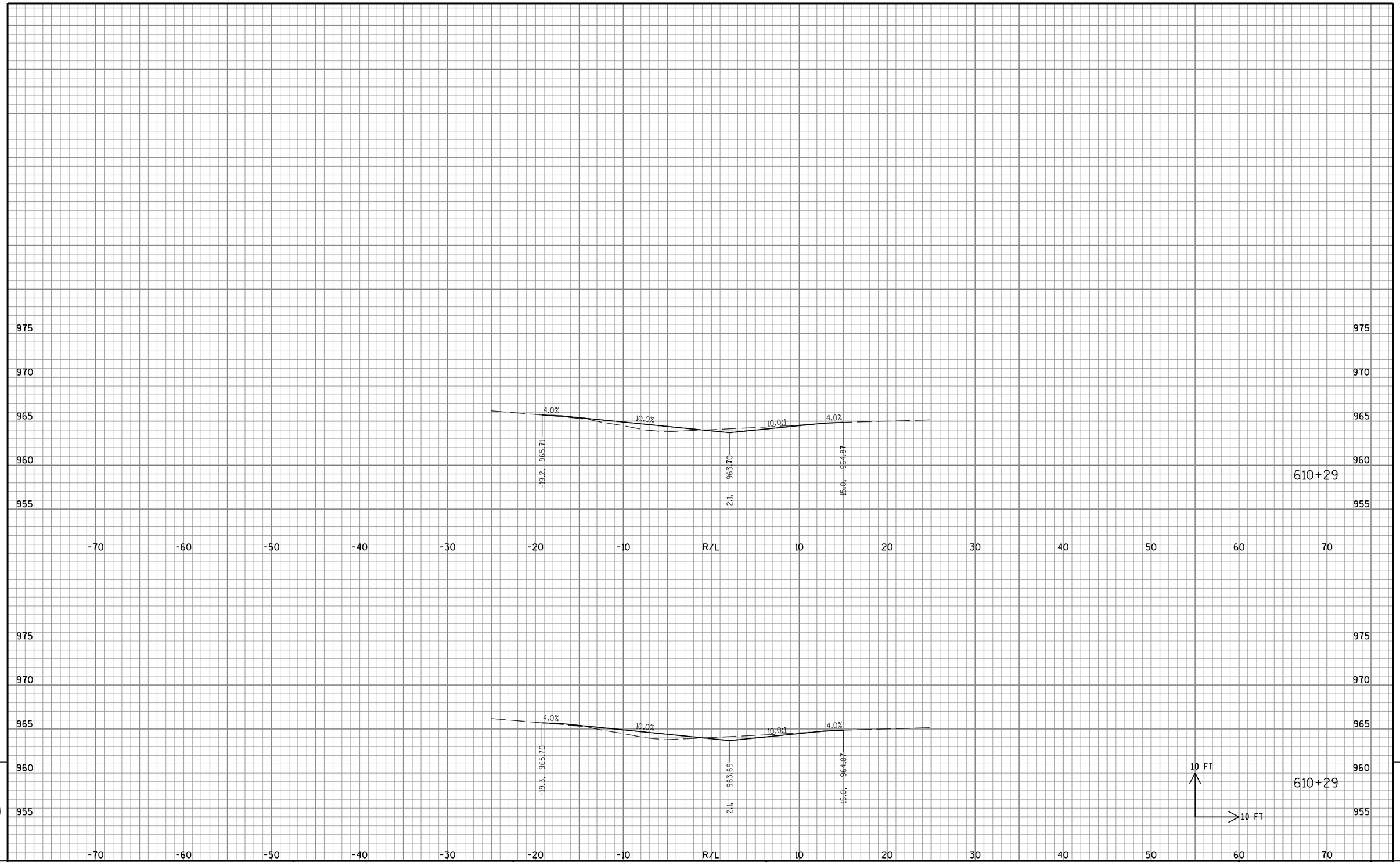


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_339 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



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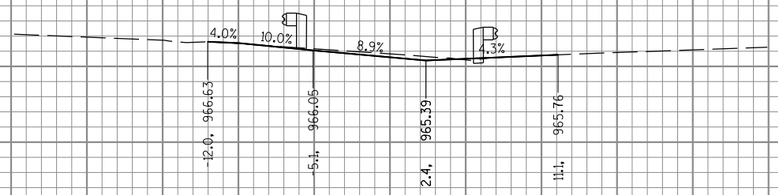
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_340 E

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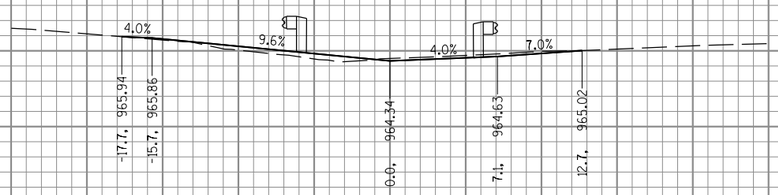
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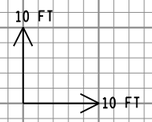
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611+00



610+50

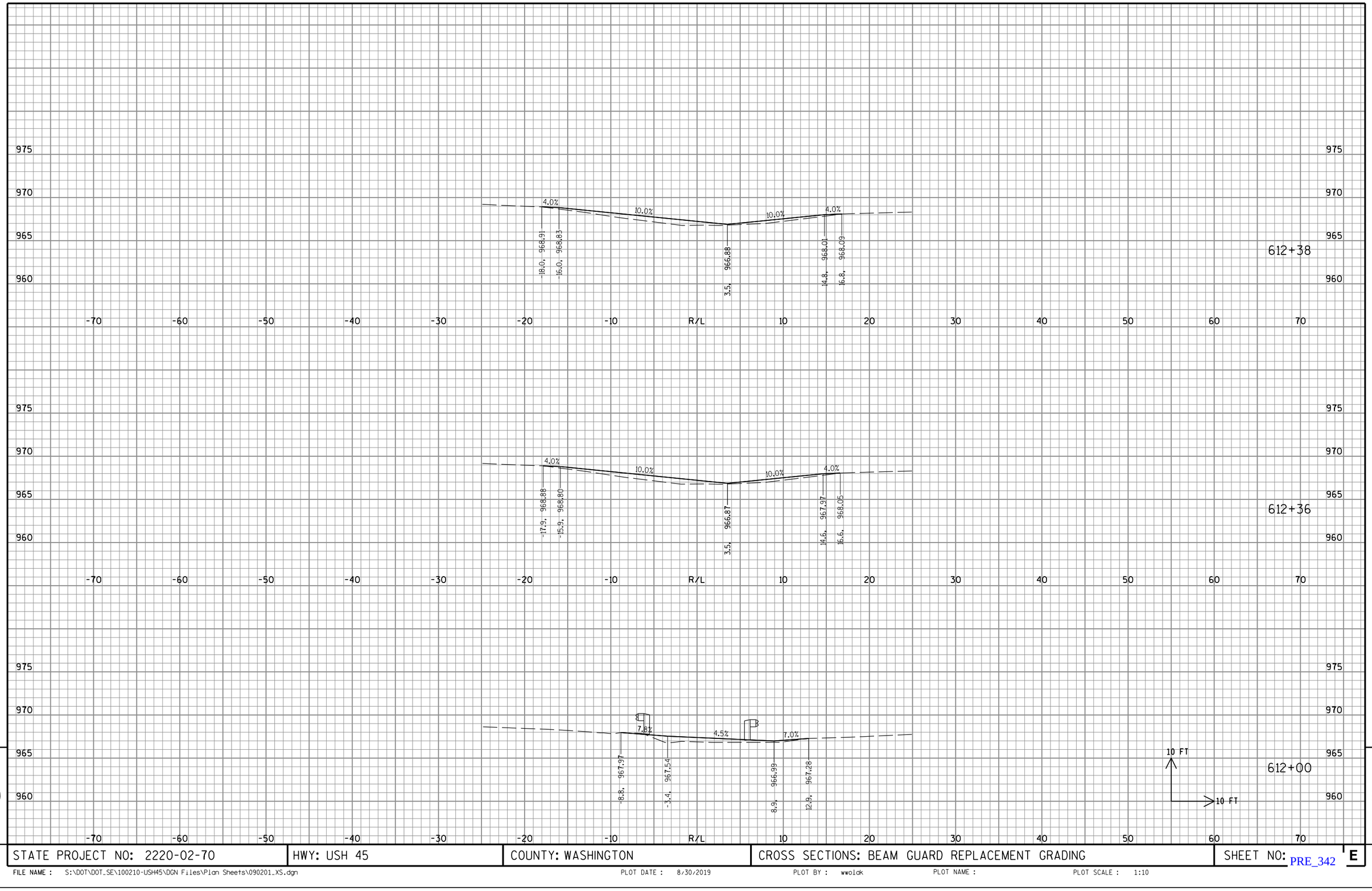


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_341 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10

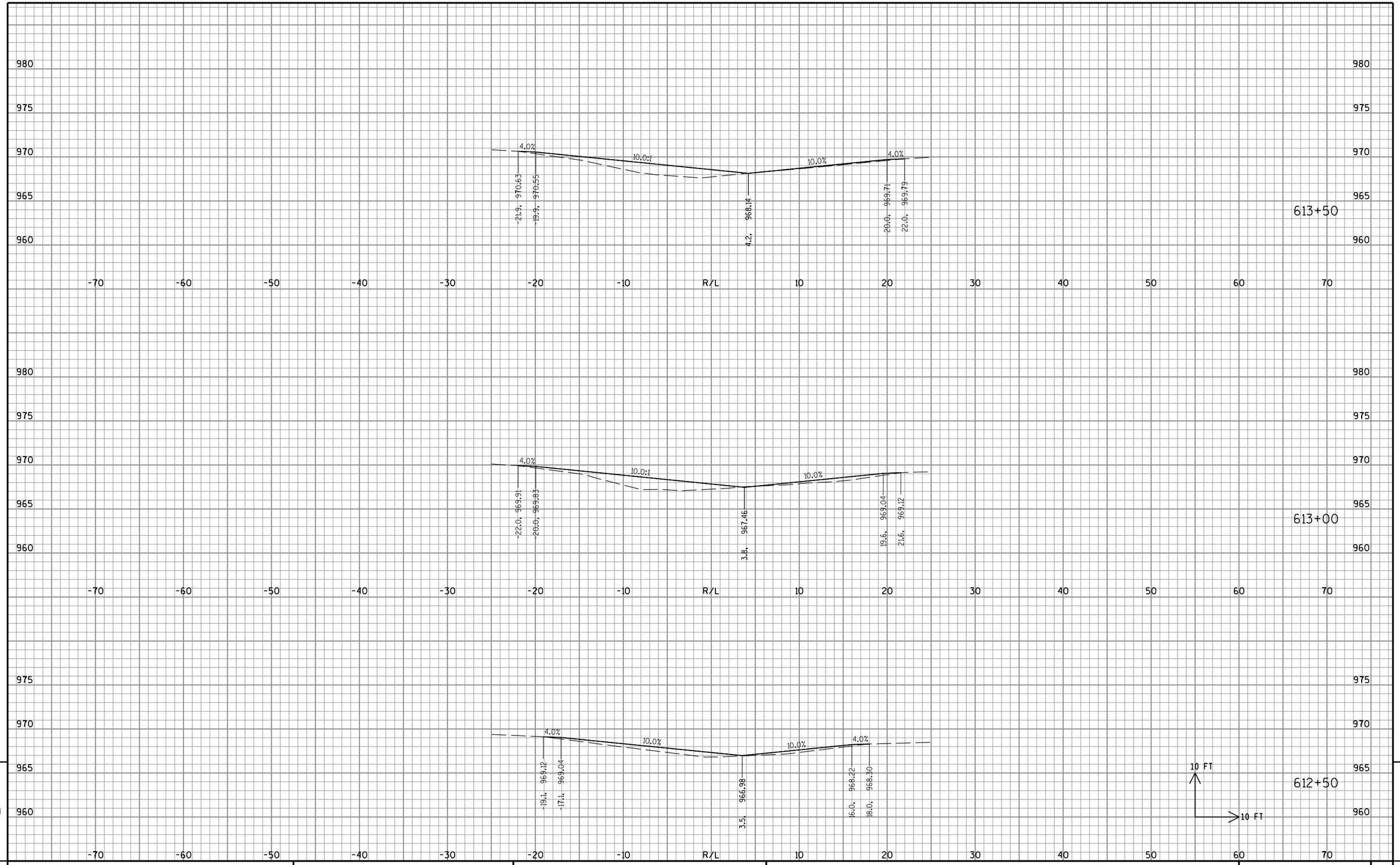


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_342 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

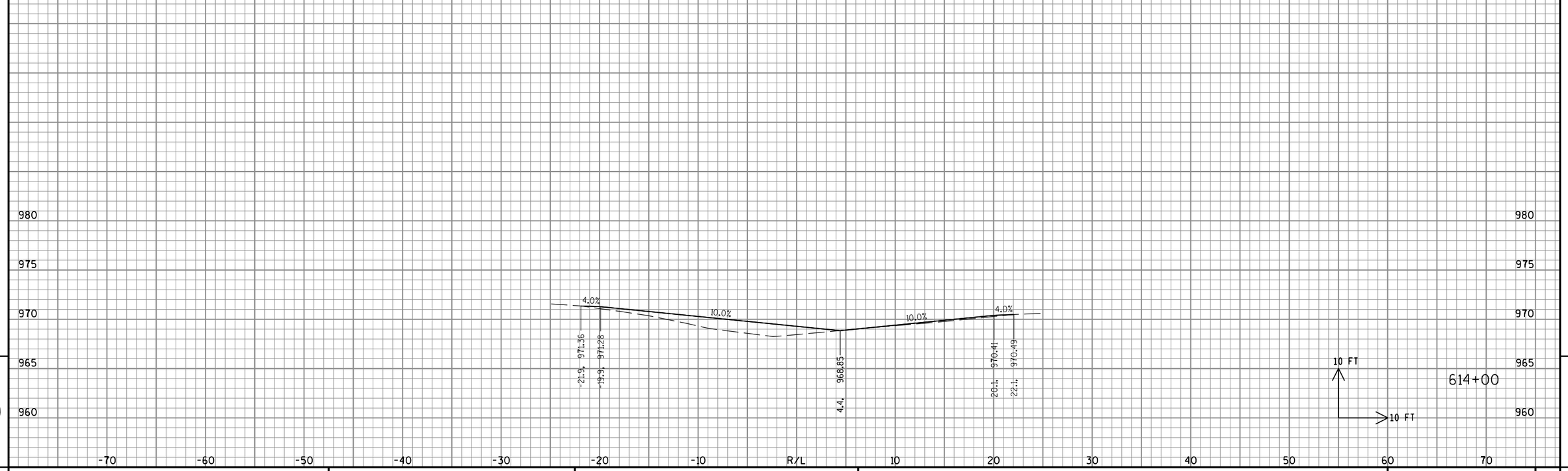


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_343 E

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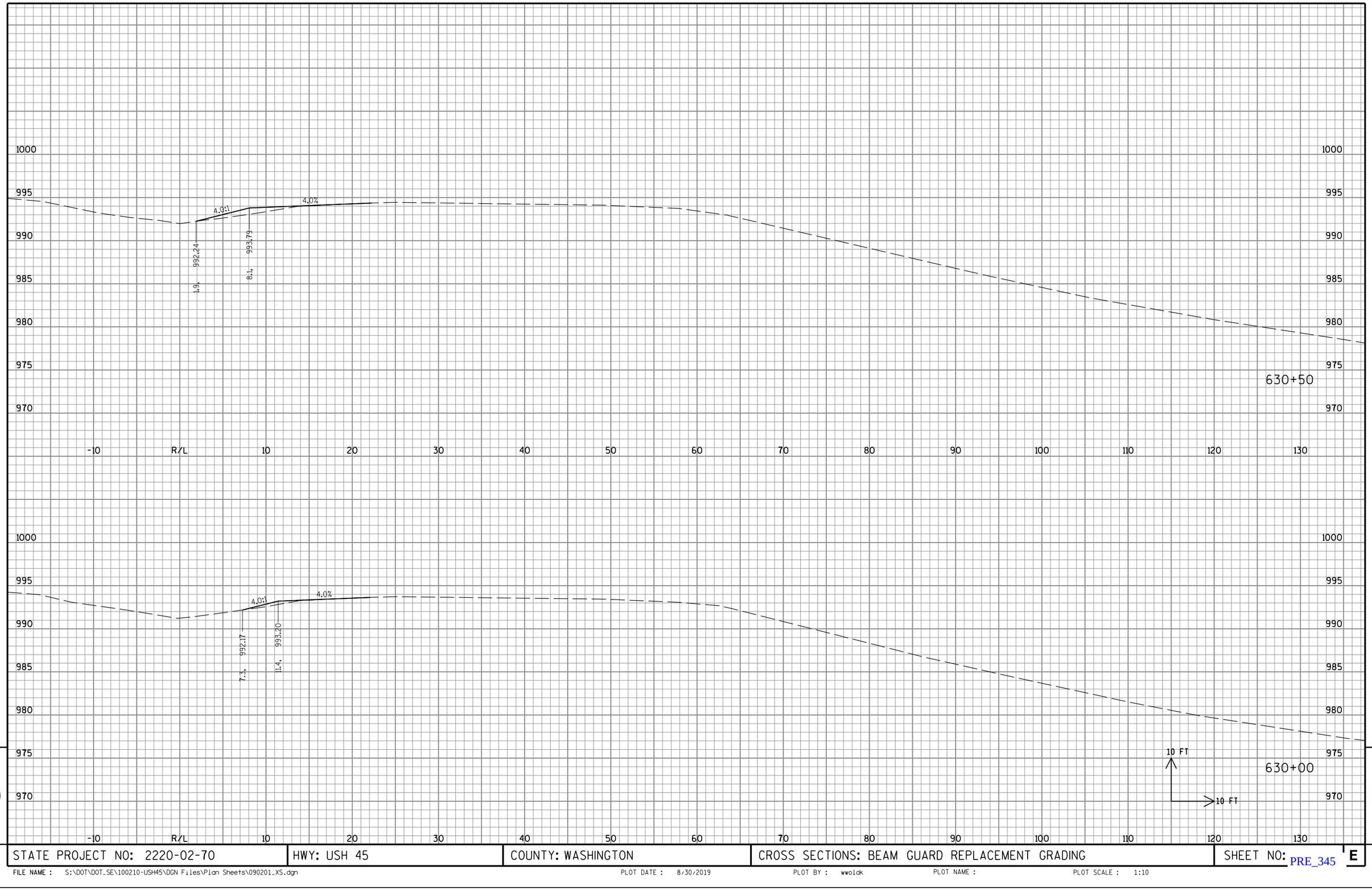


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_344 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

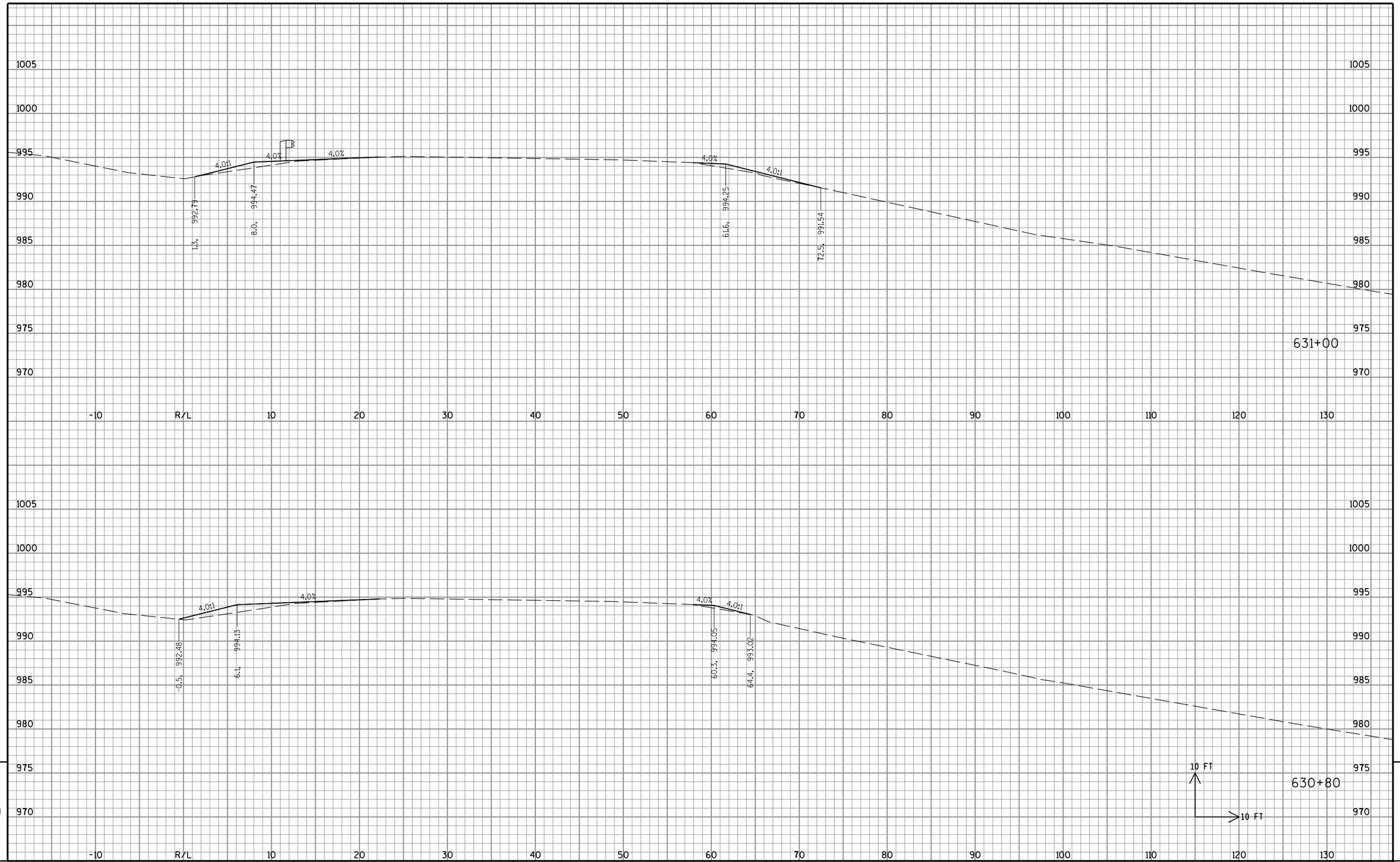


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_345 E

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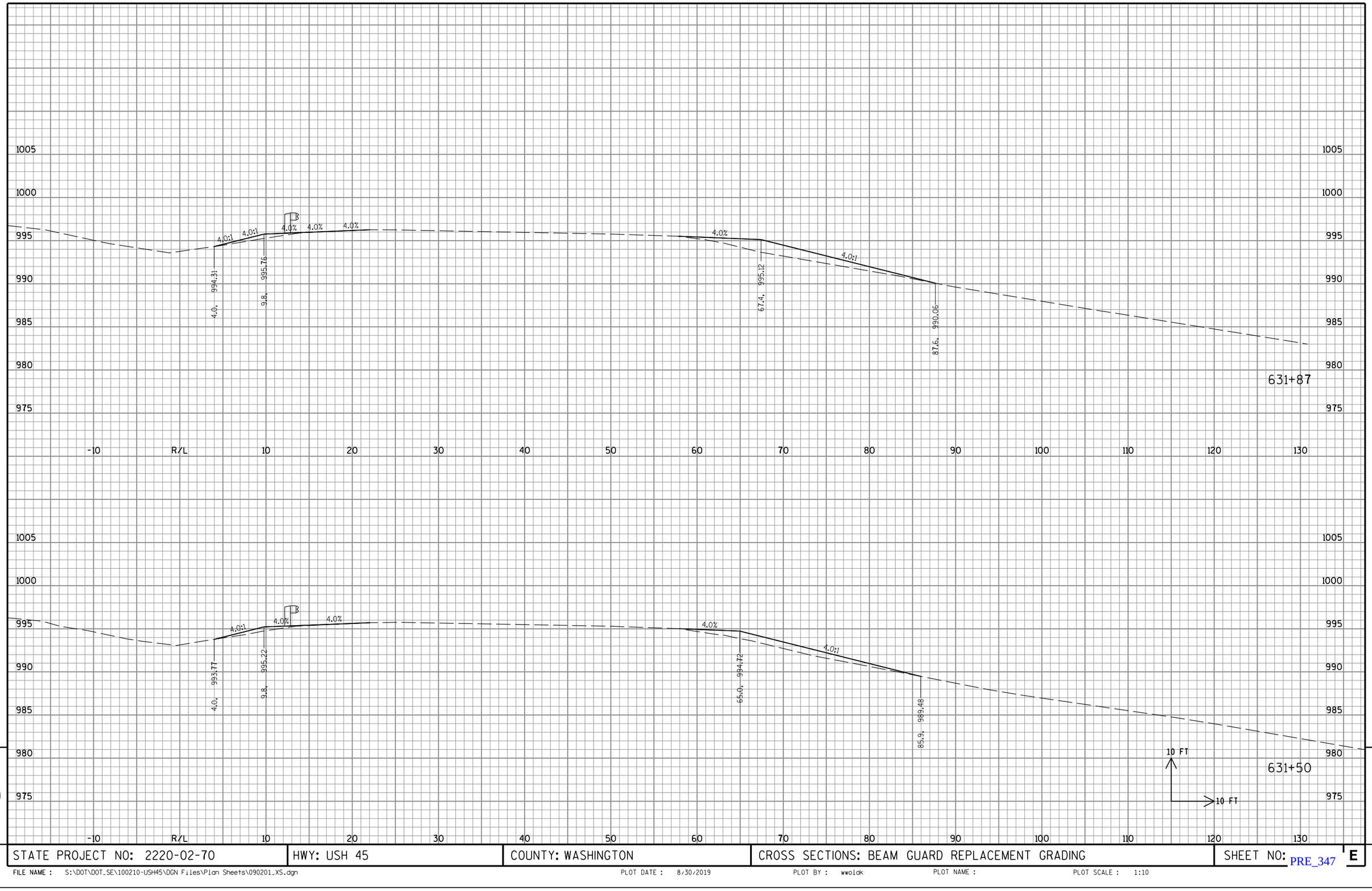


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_346 E

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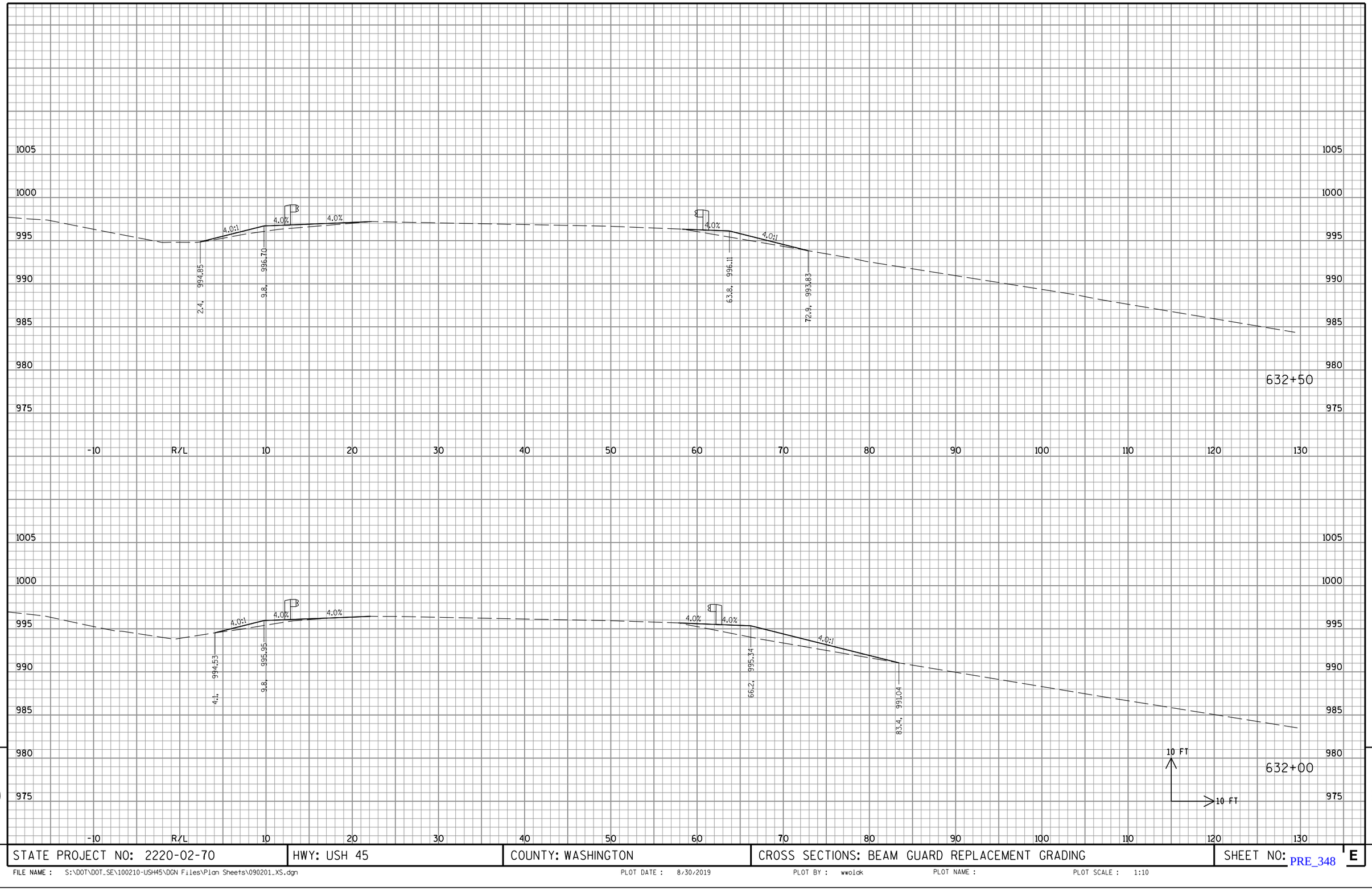


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_347 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

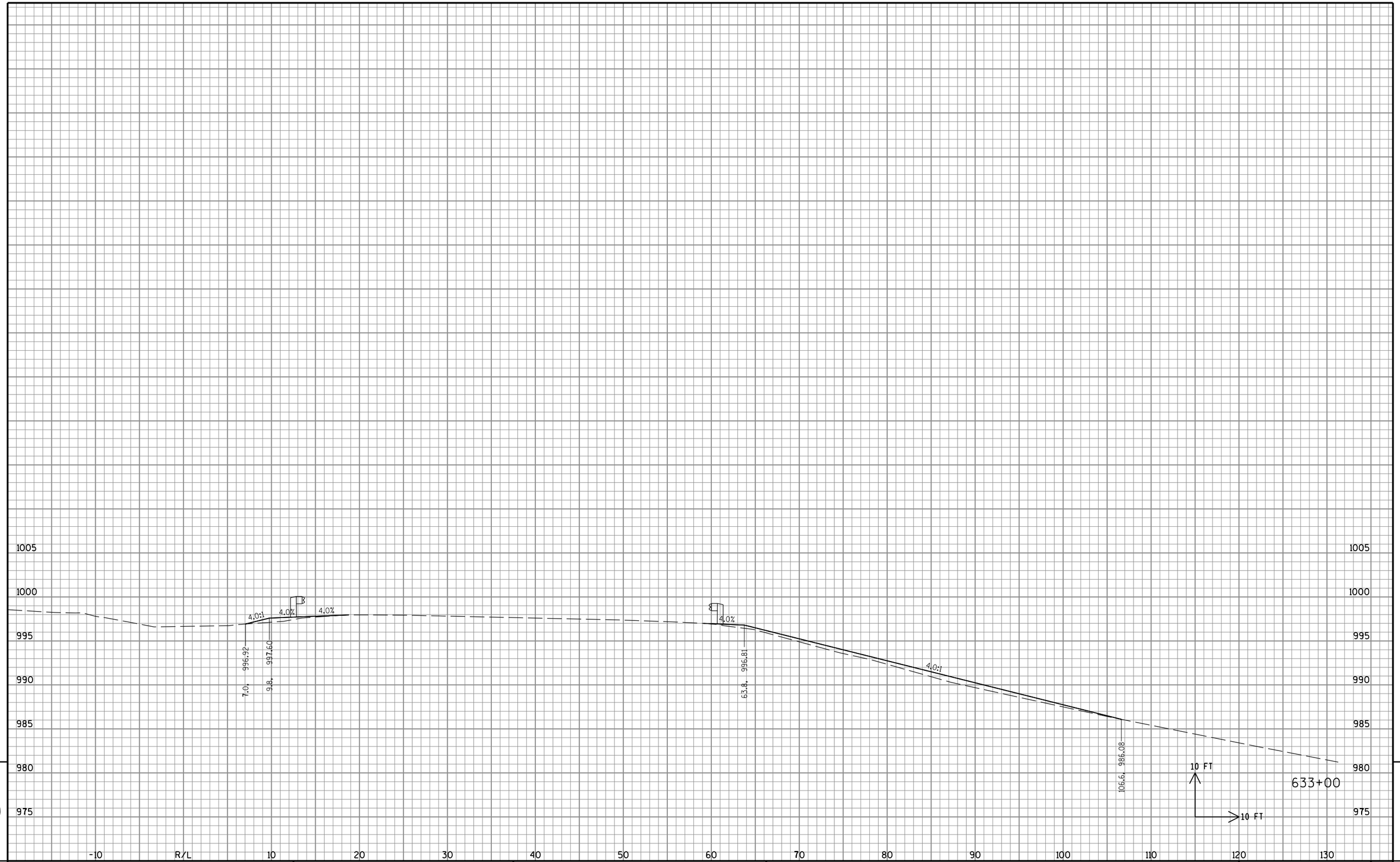


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_348 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

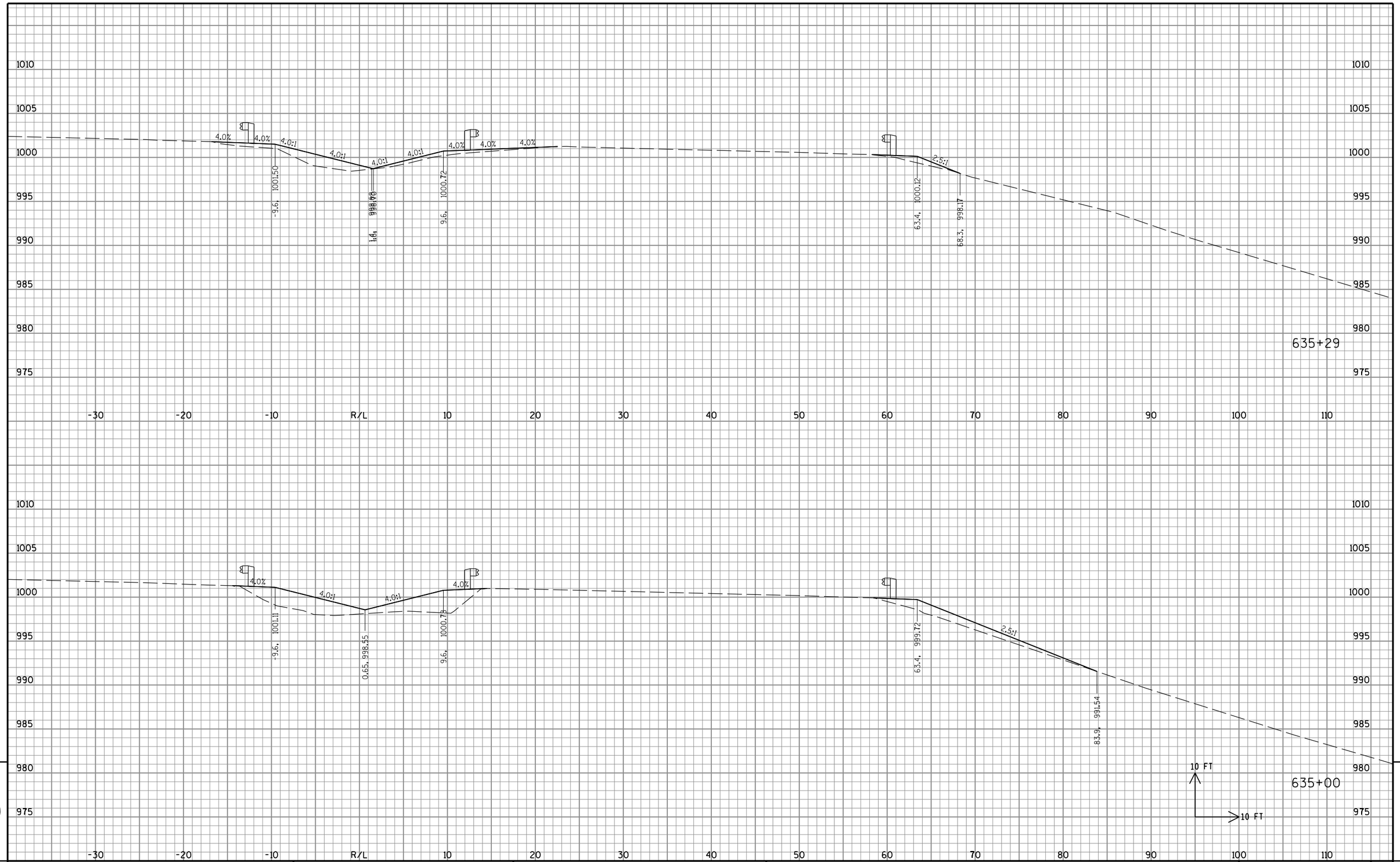


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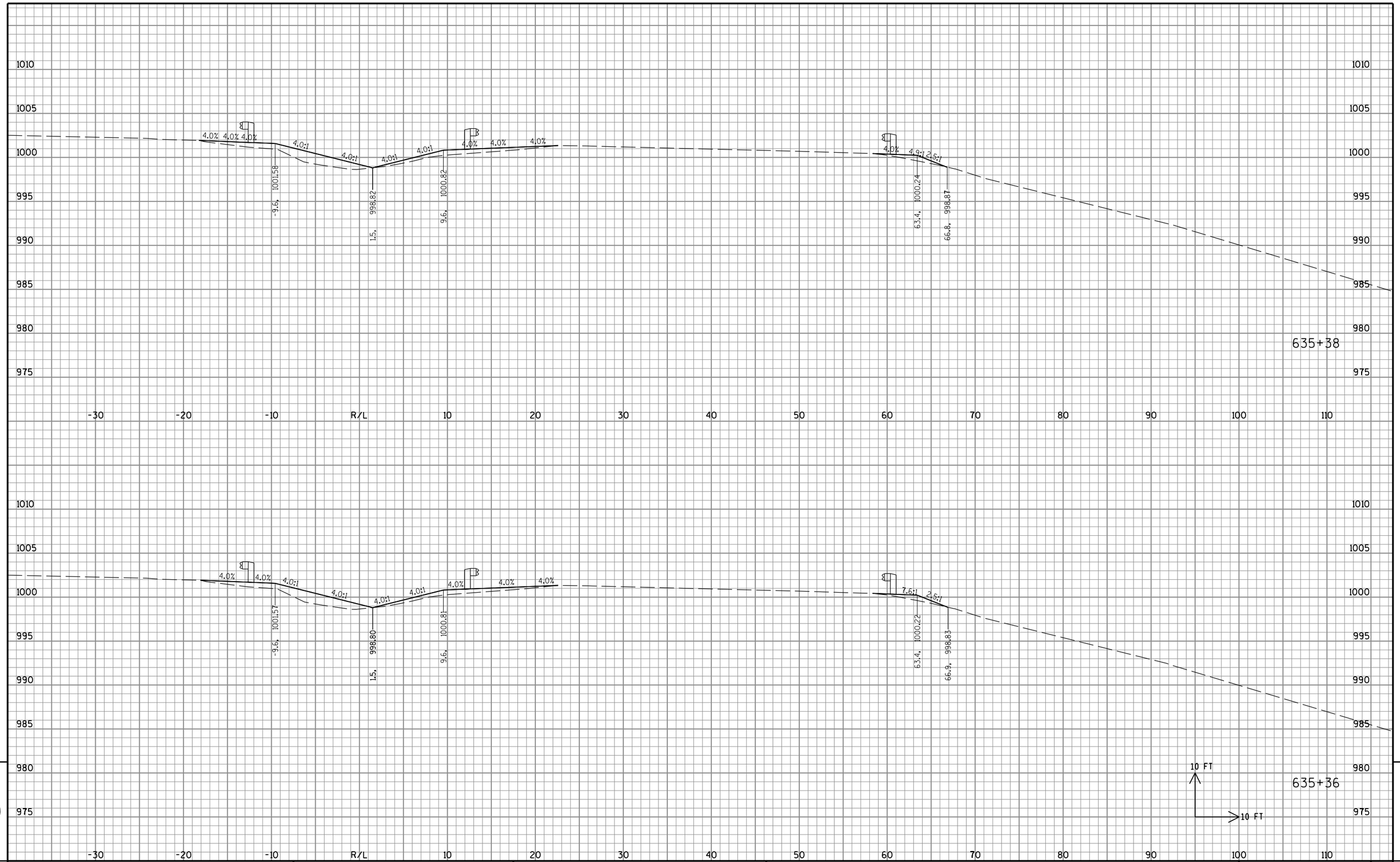
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_350 E

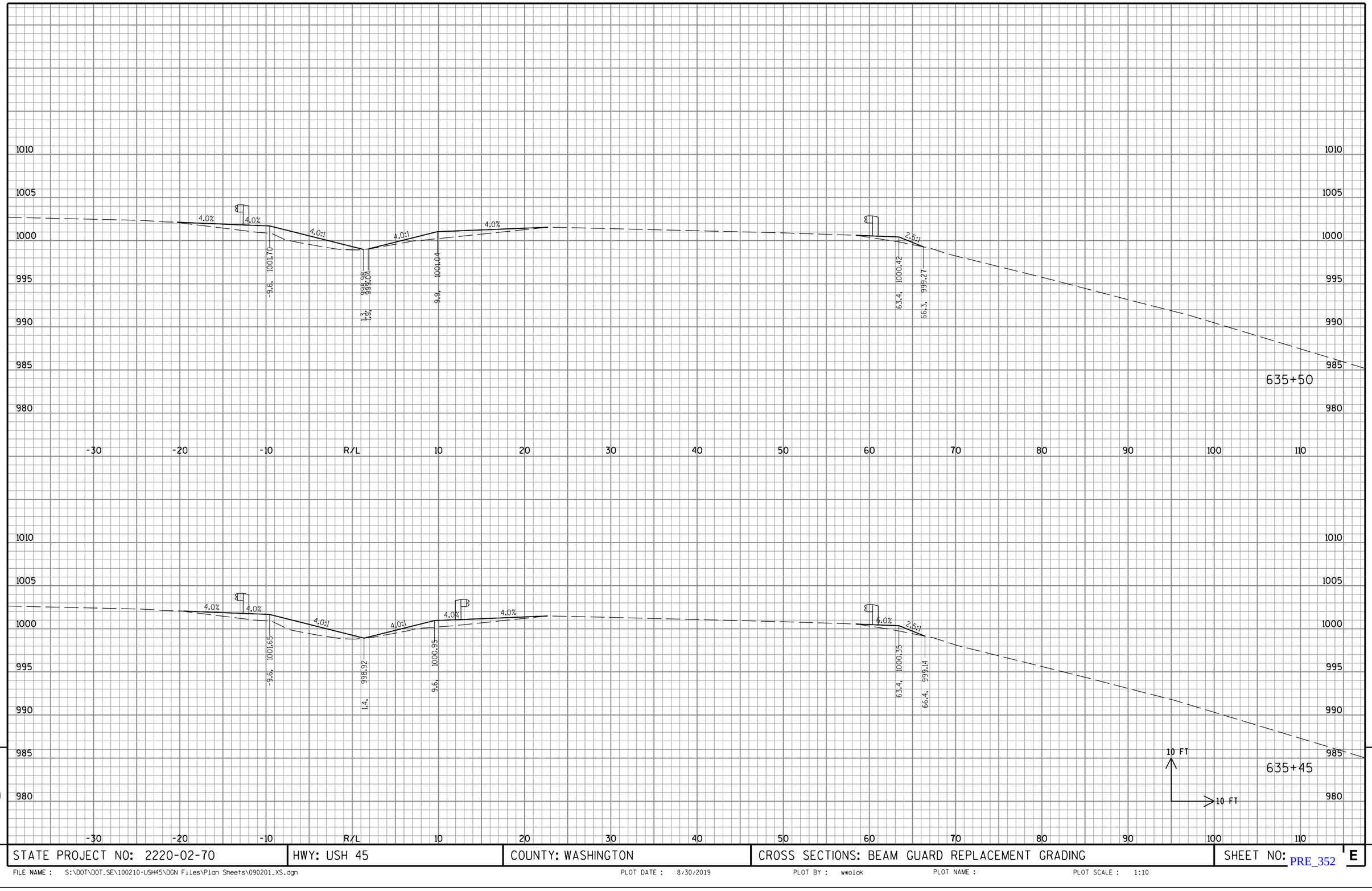
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_351 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

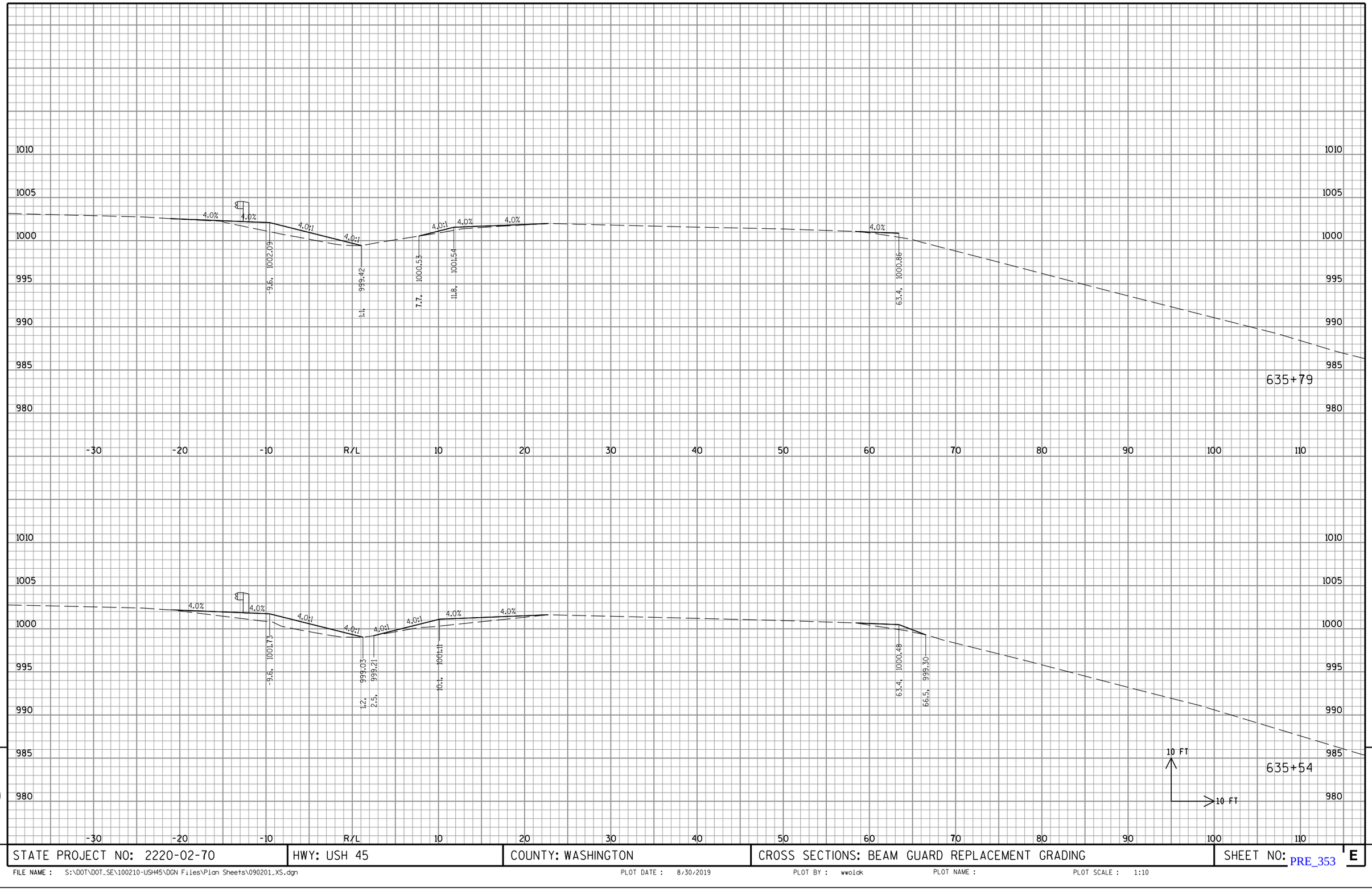
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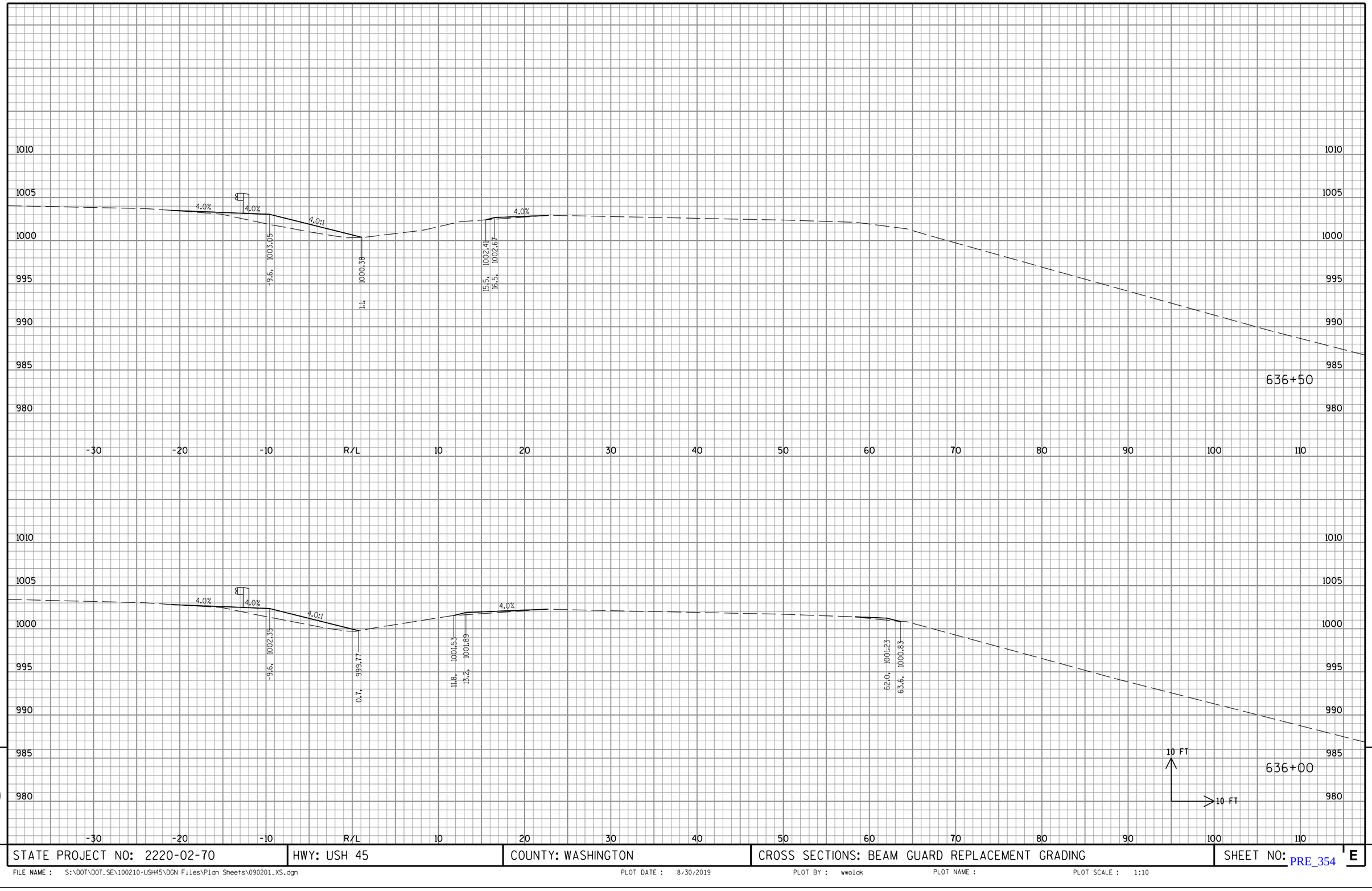
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_352 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_353 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

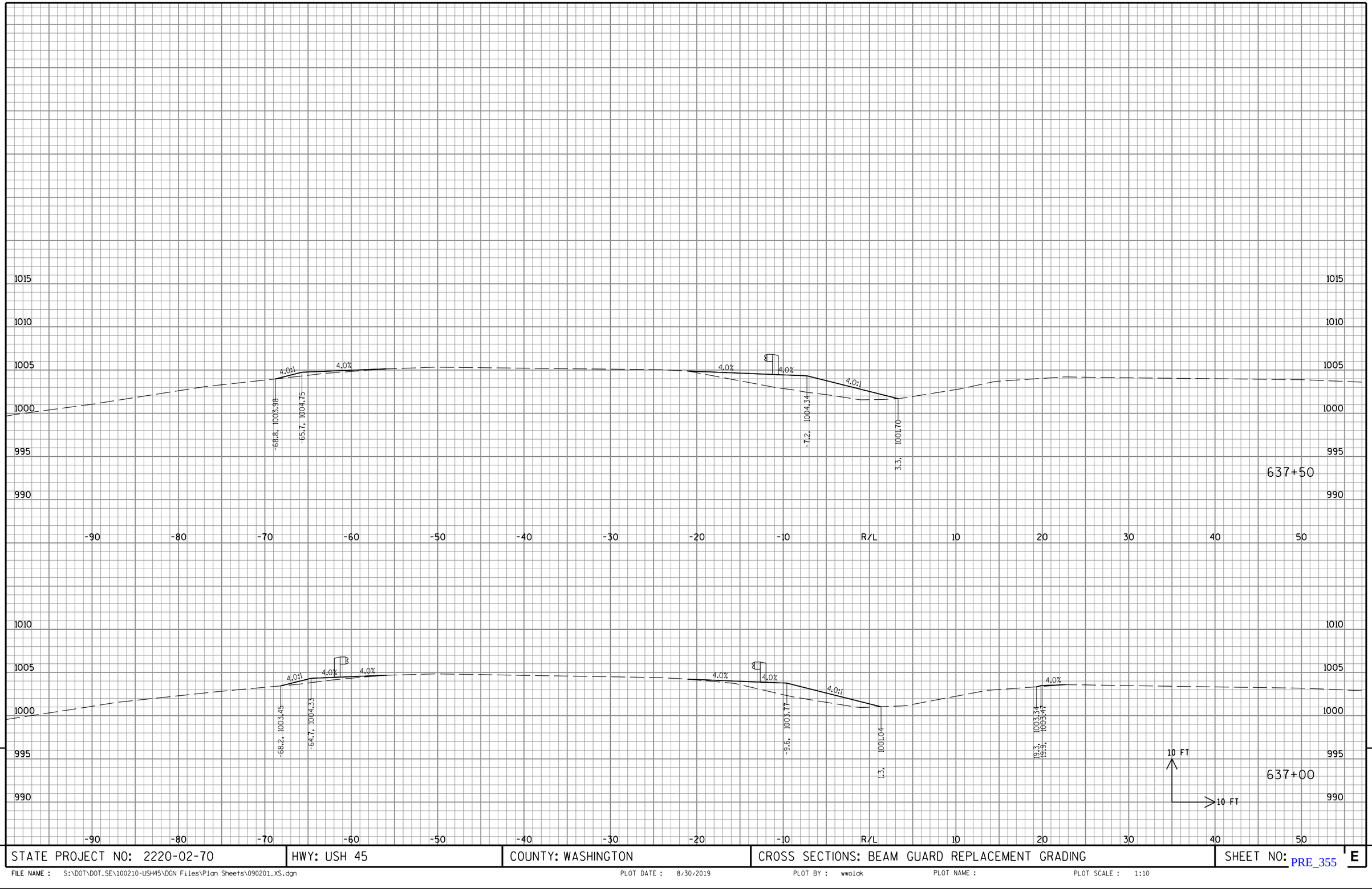


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_354 E

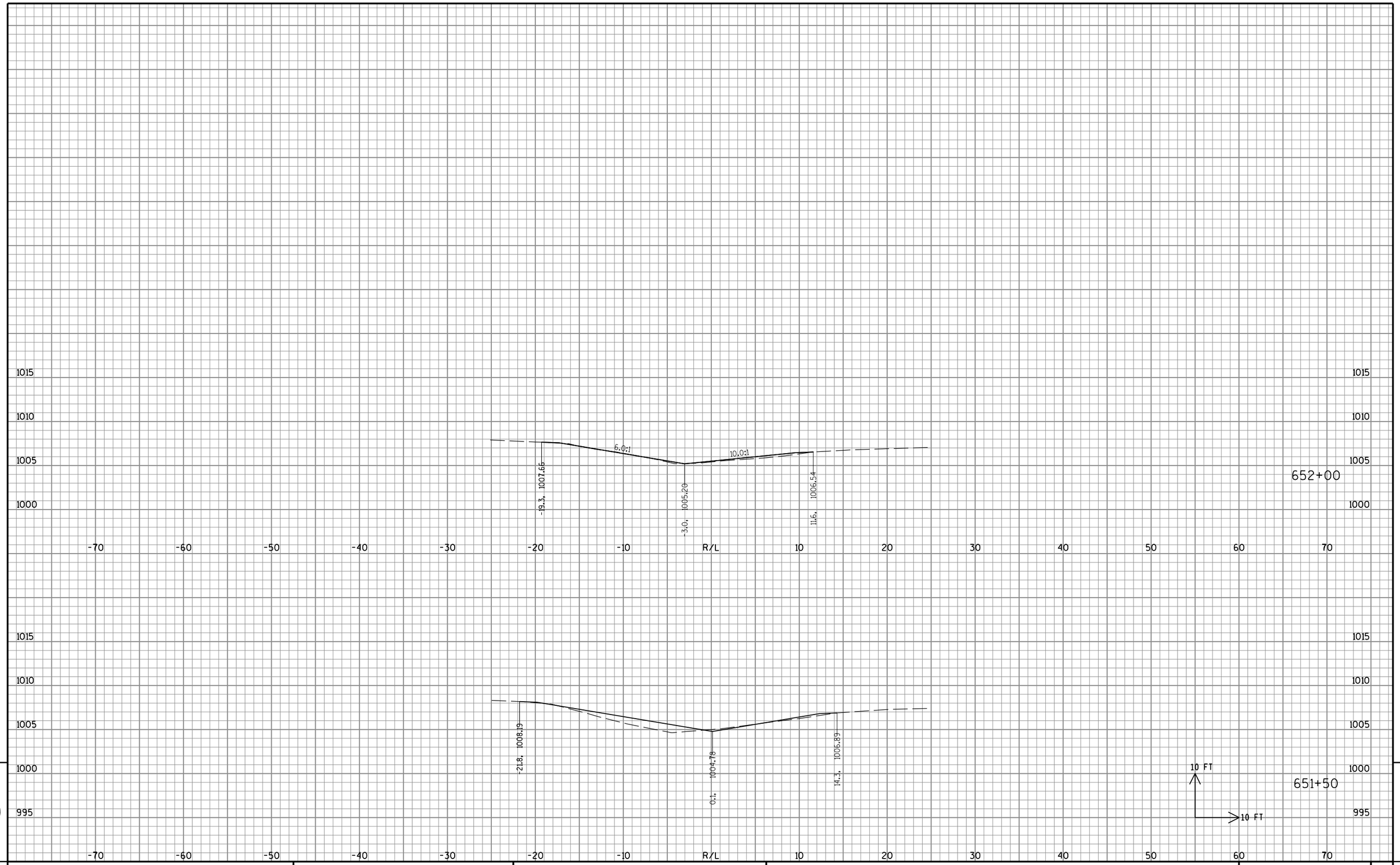
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_355 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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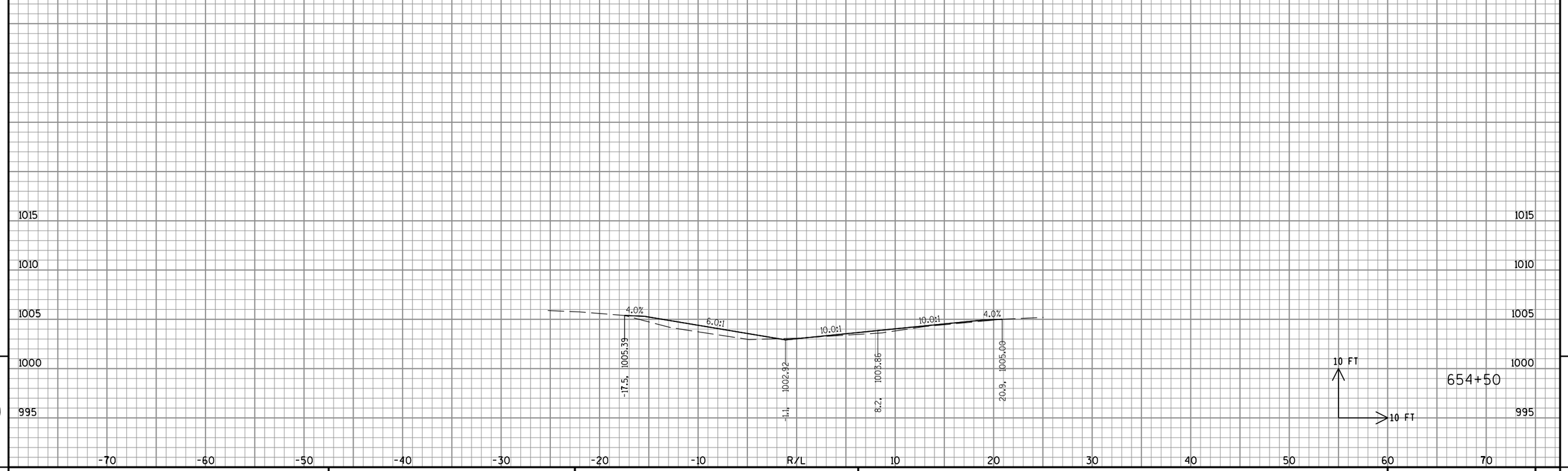
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_357 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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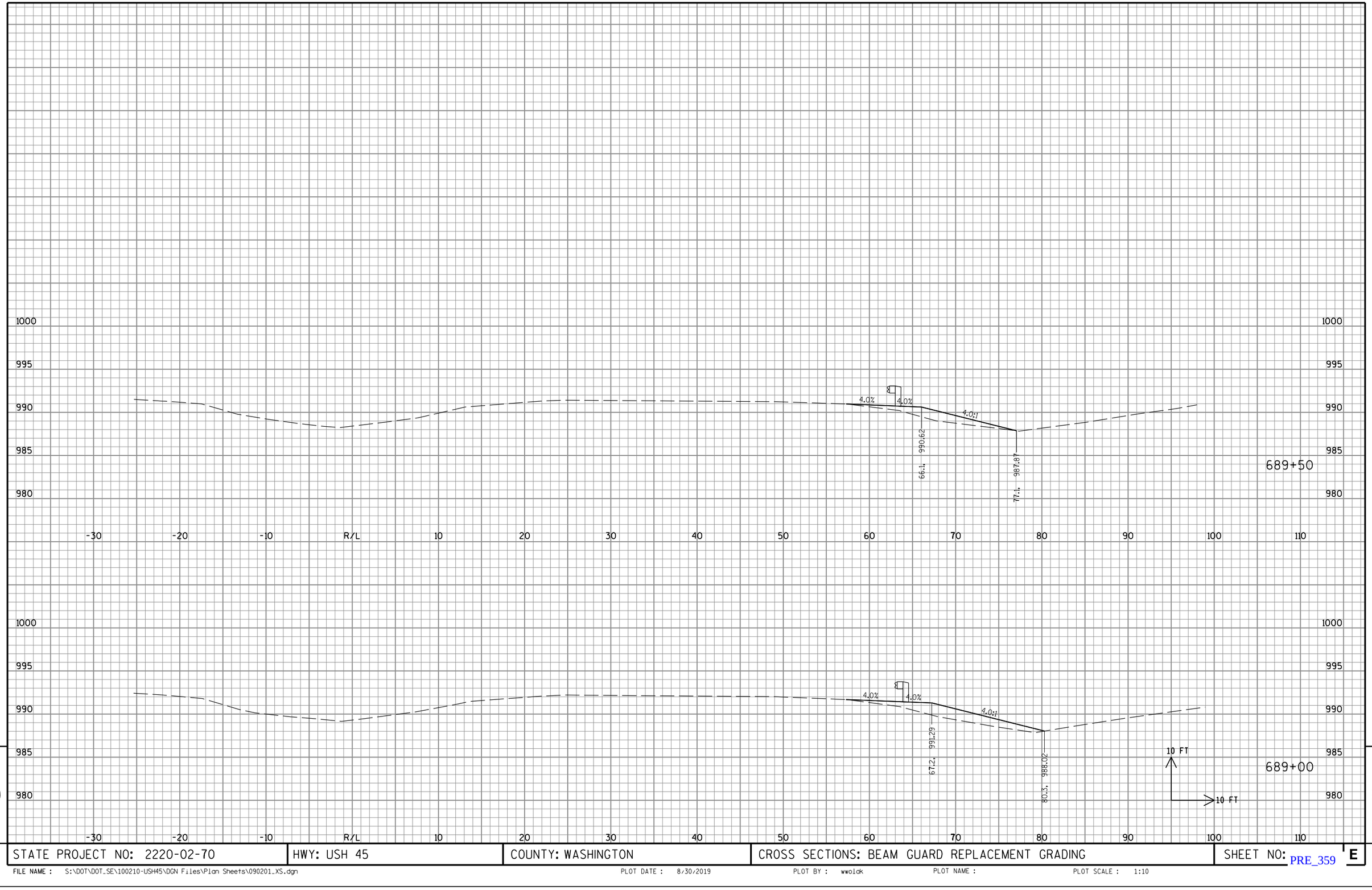


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_358 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



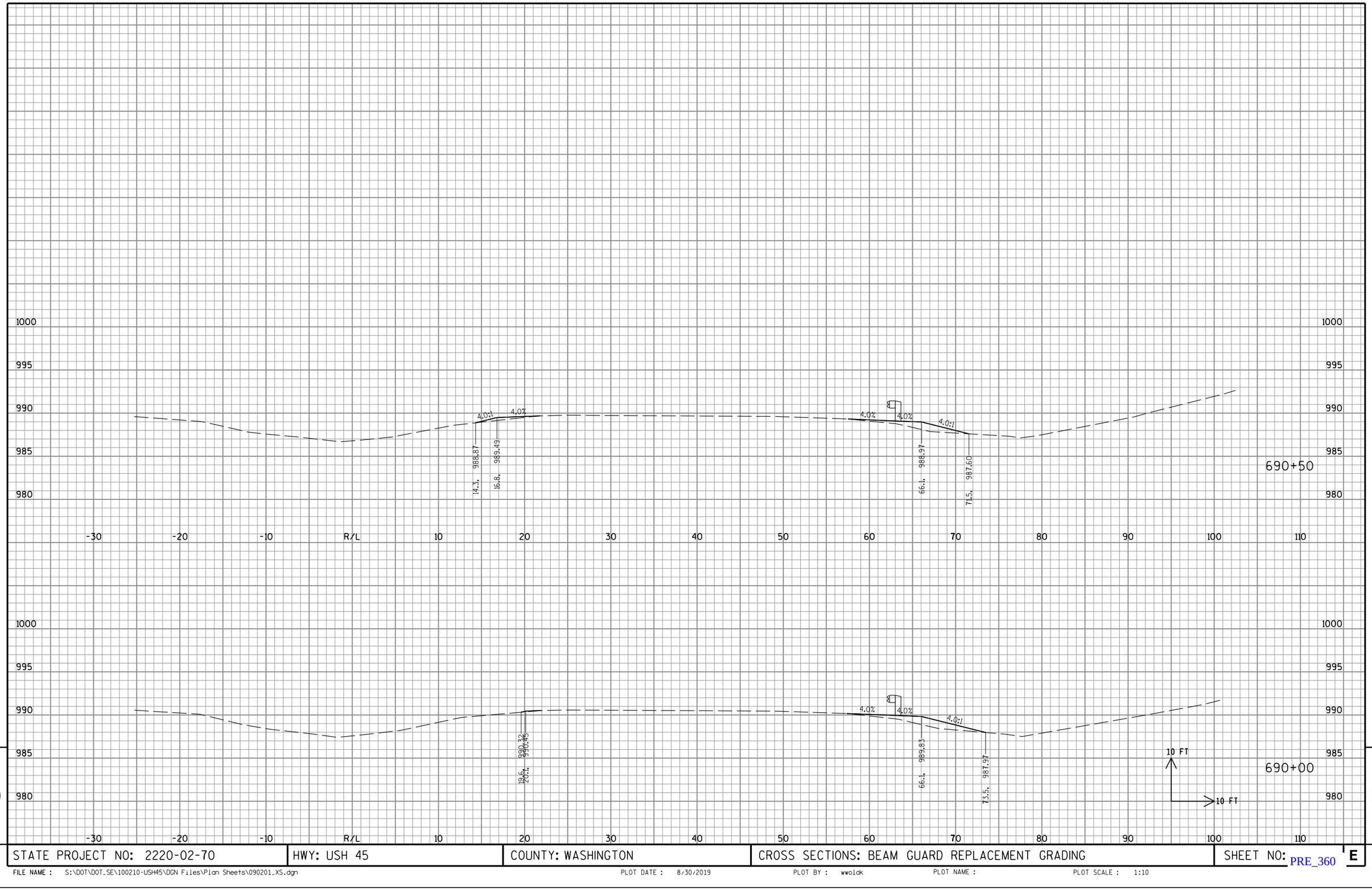
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

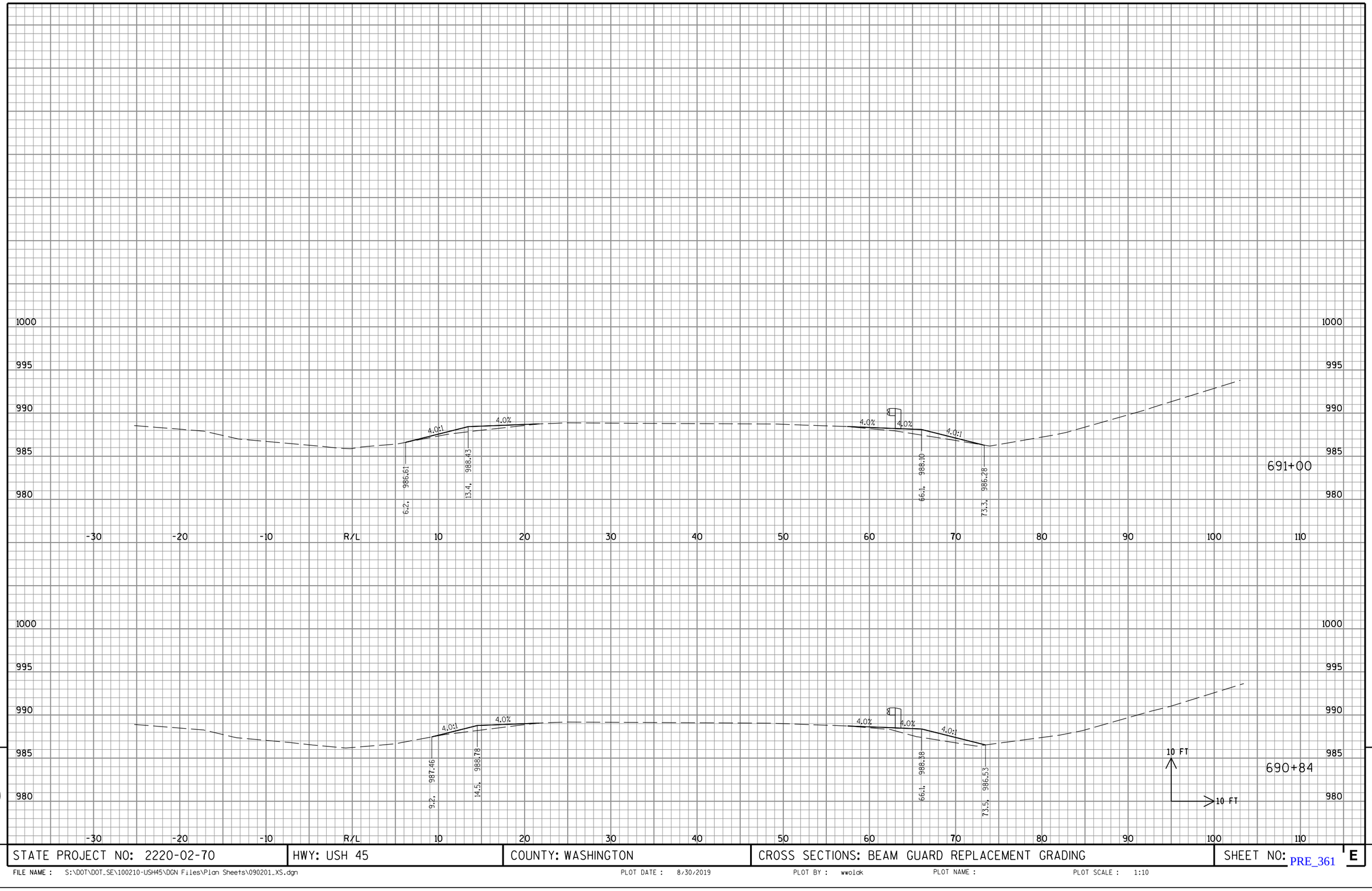
PRE_359



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_360 E

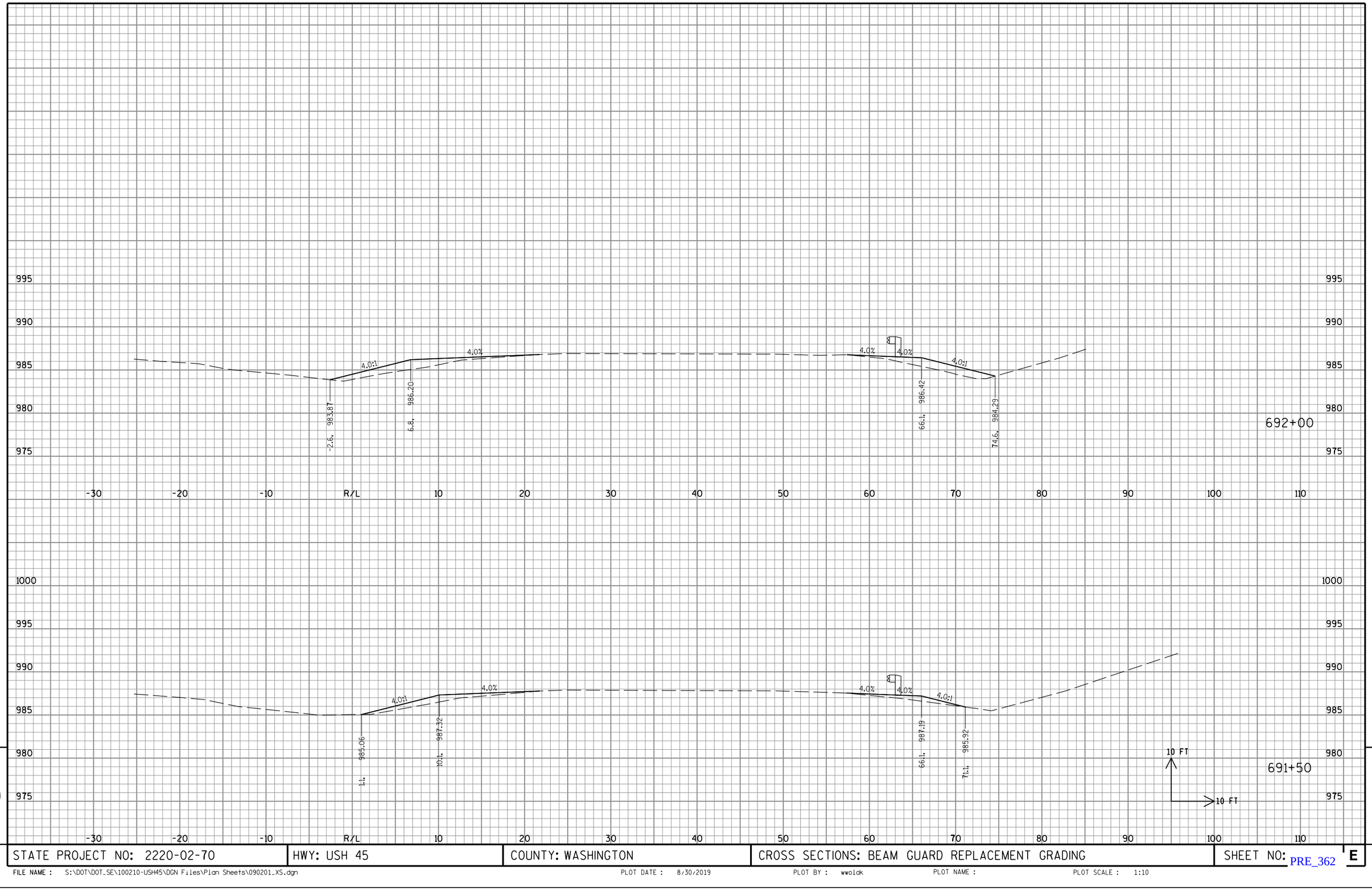
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_361 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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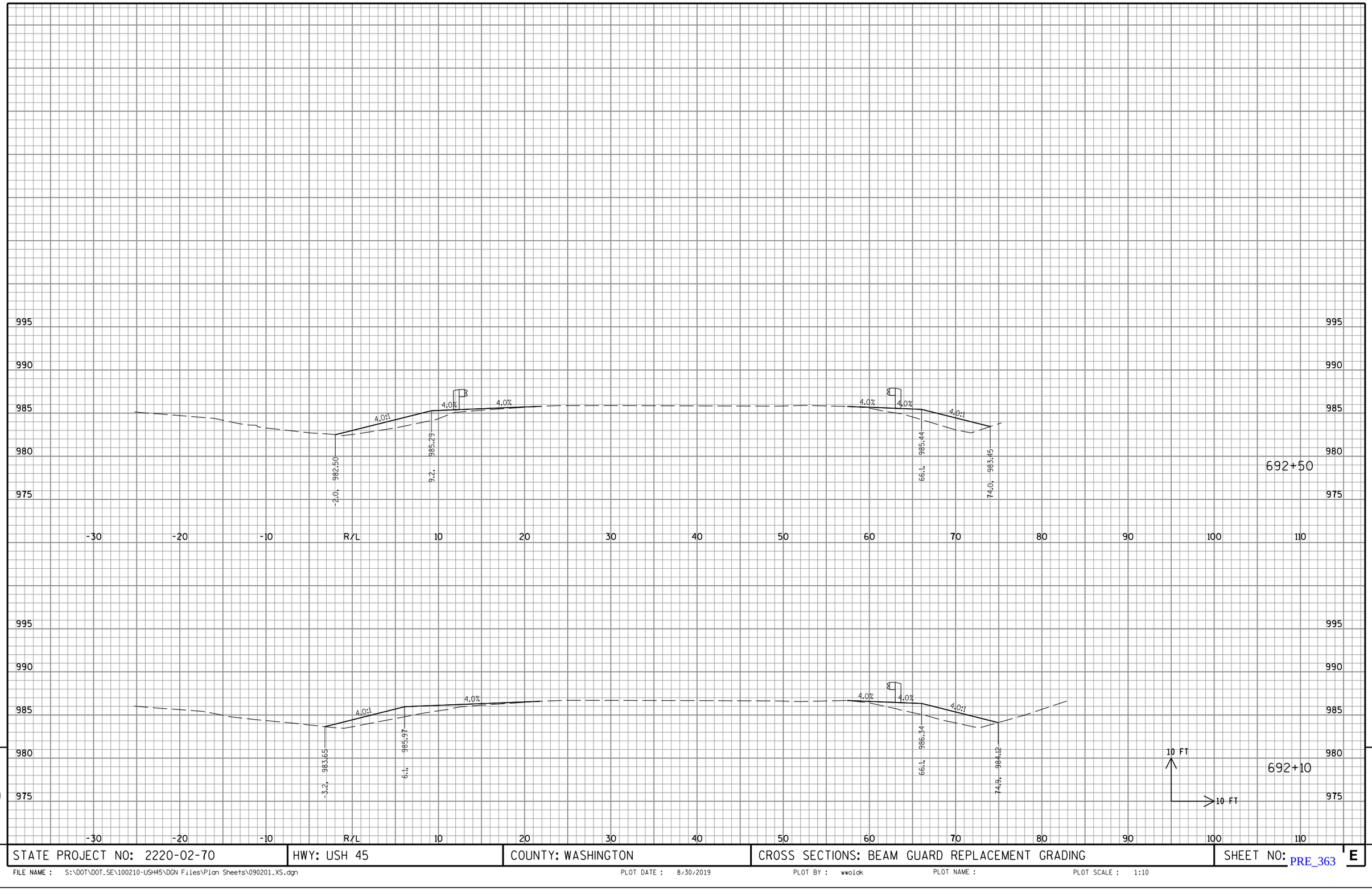


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_362 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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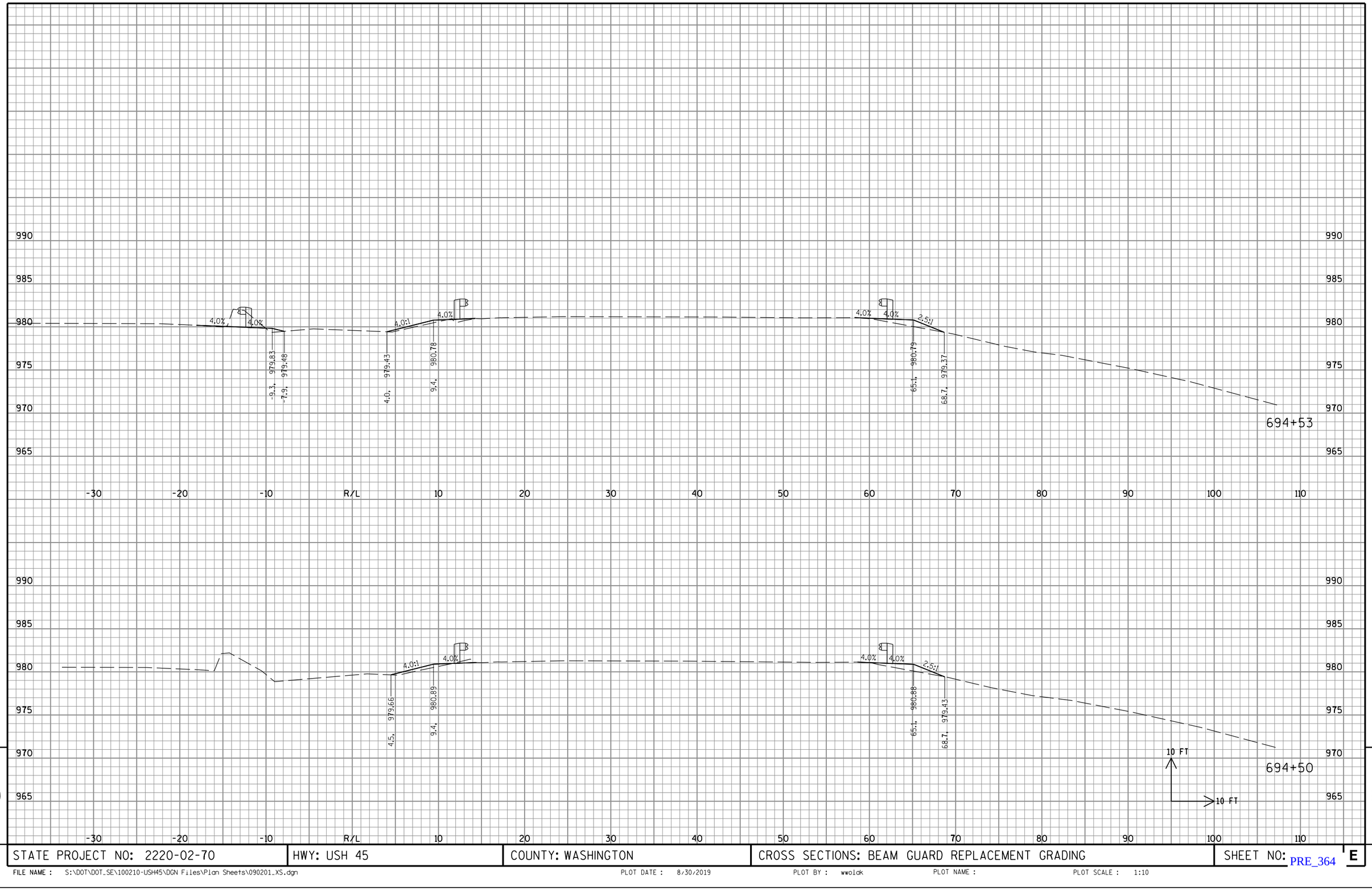


STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_363 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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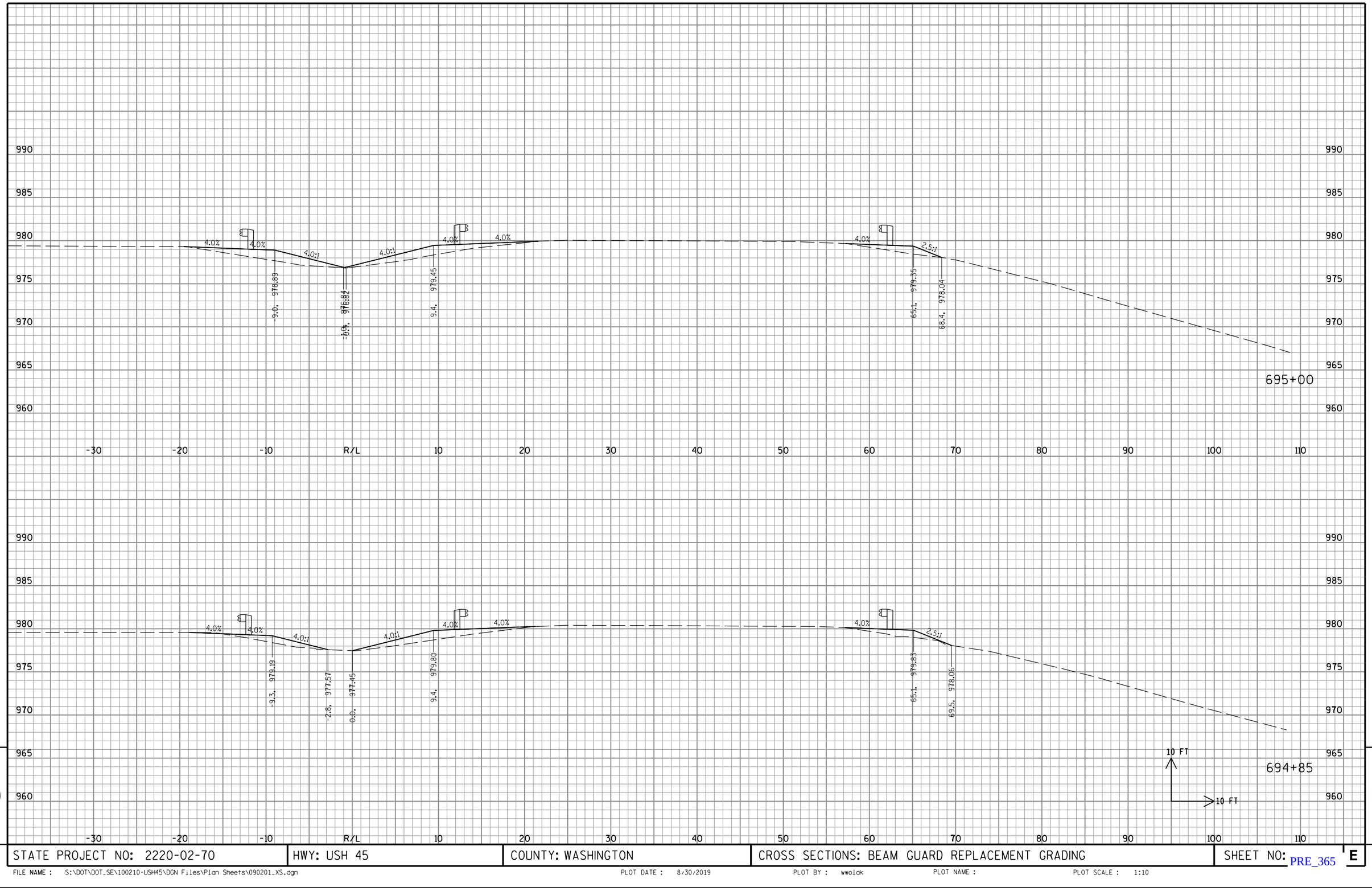


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_364 E

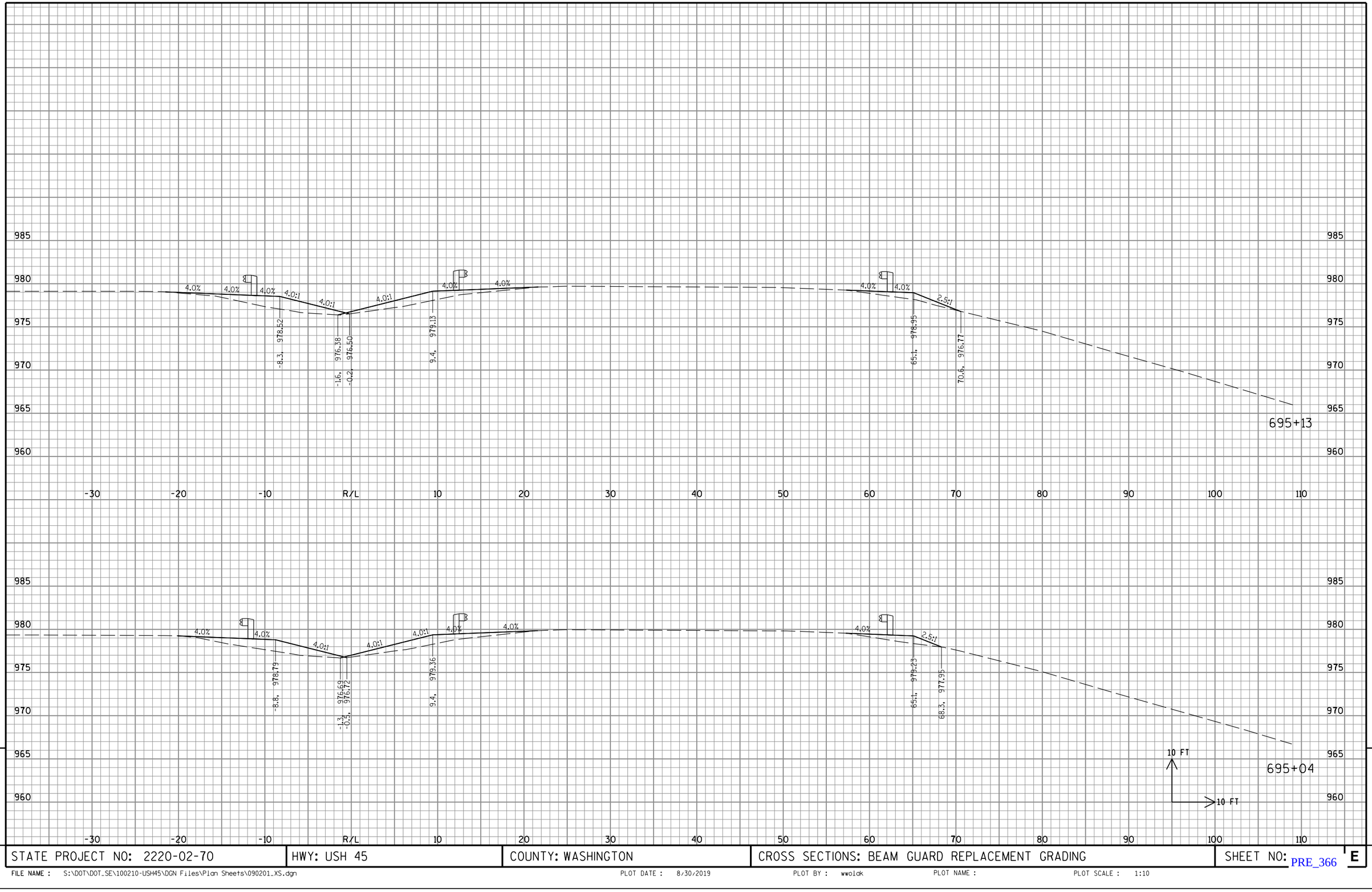
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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



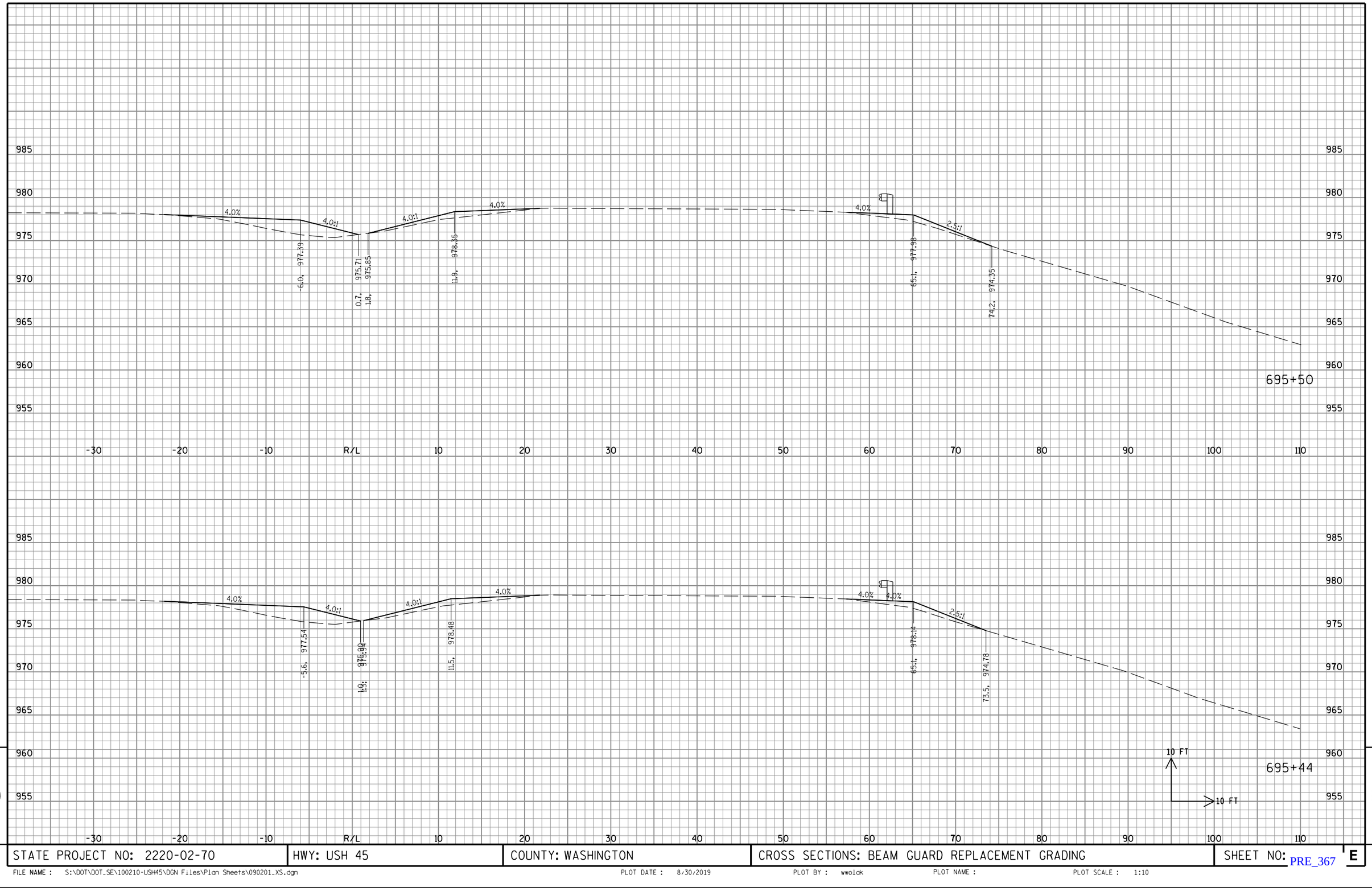
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_365 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



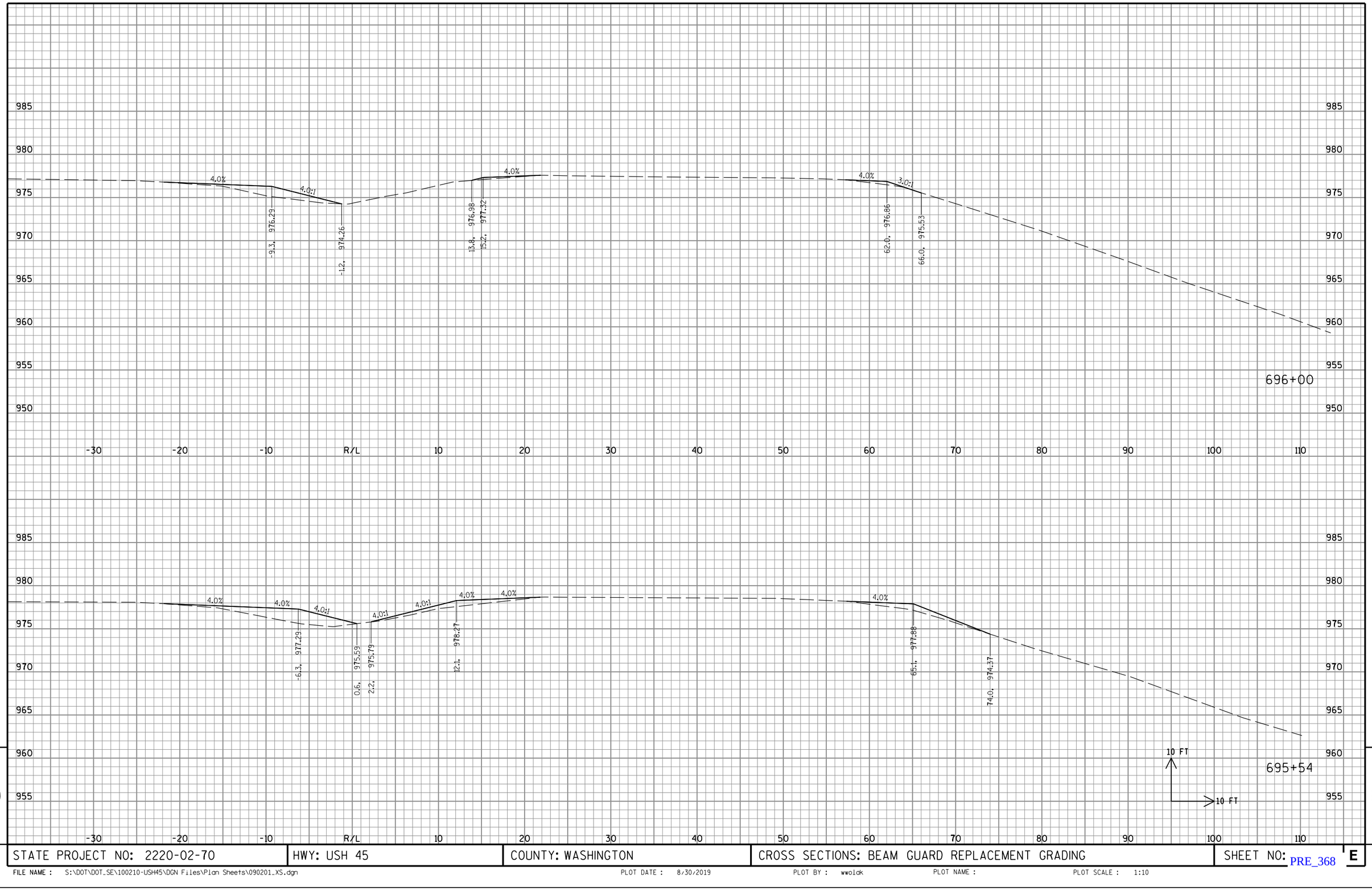
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_366 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



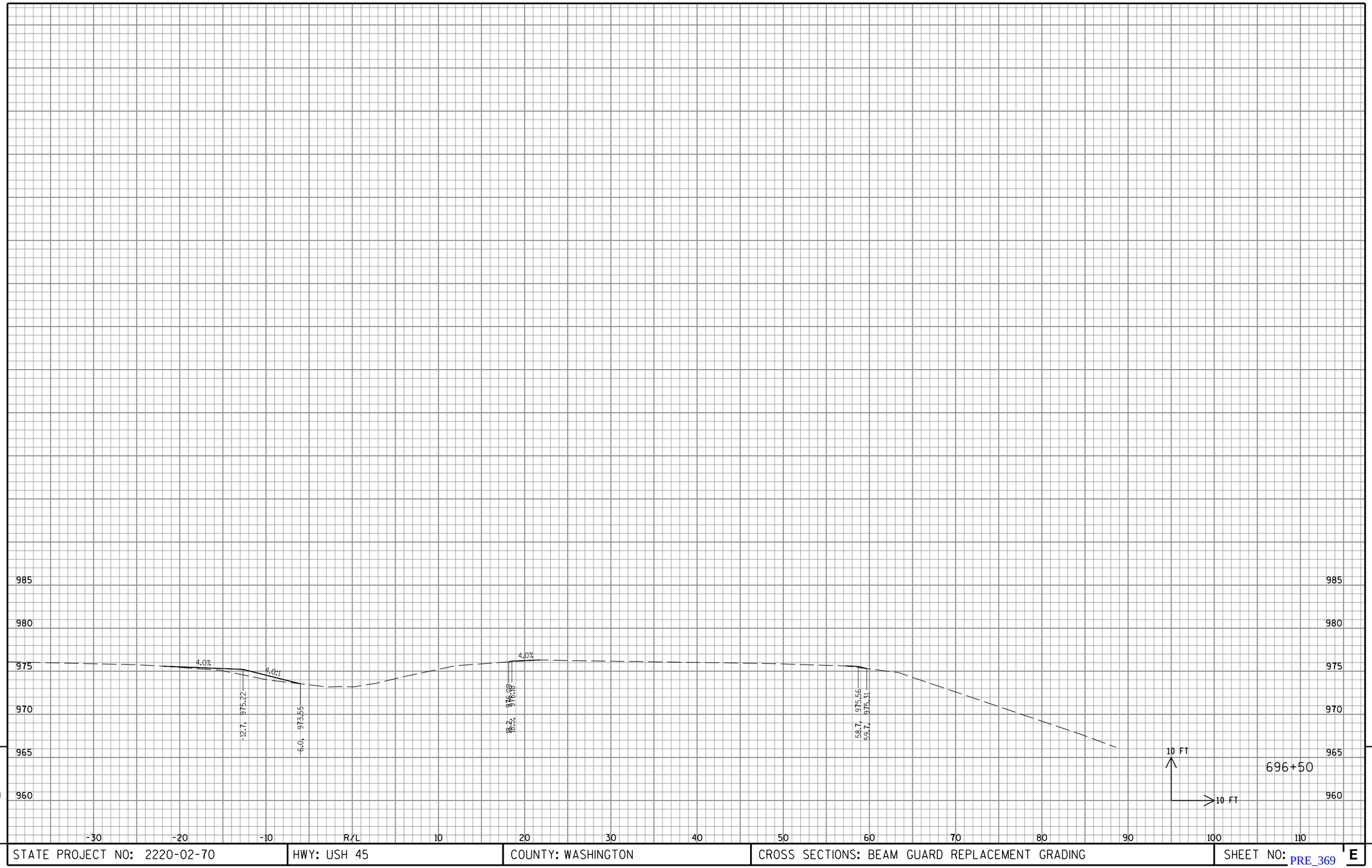
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_367 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_368 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

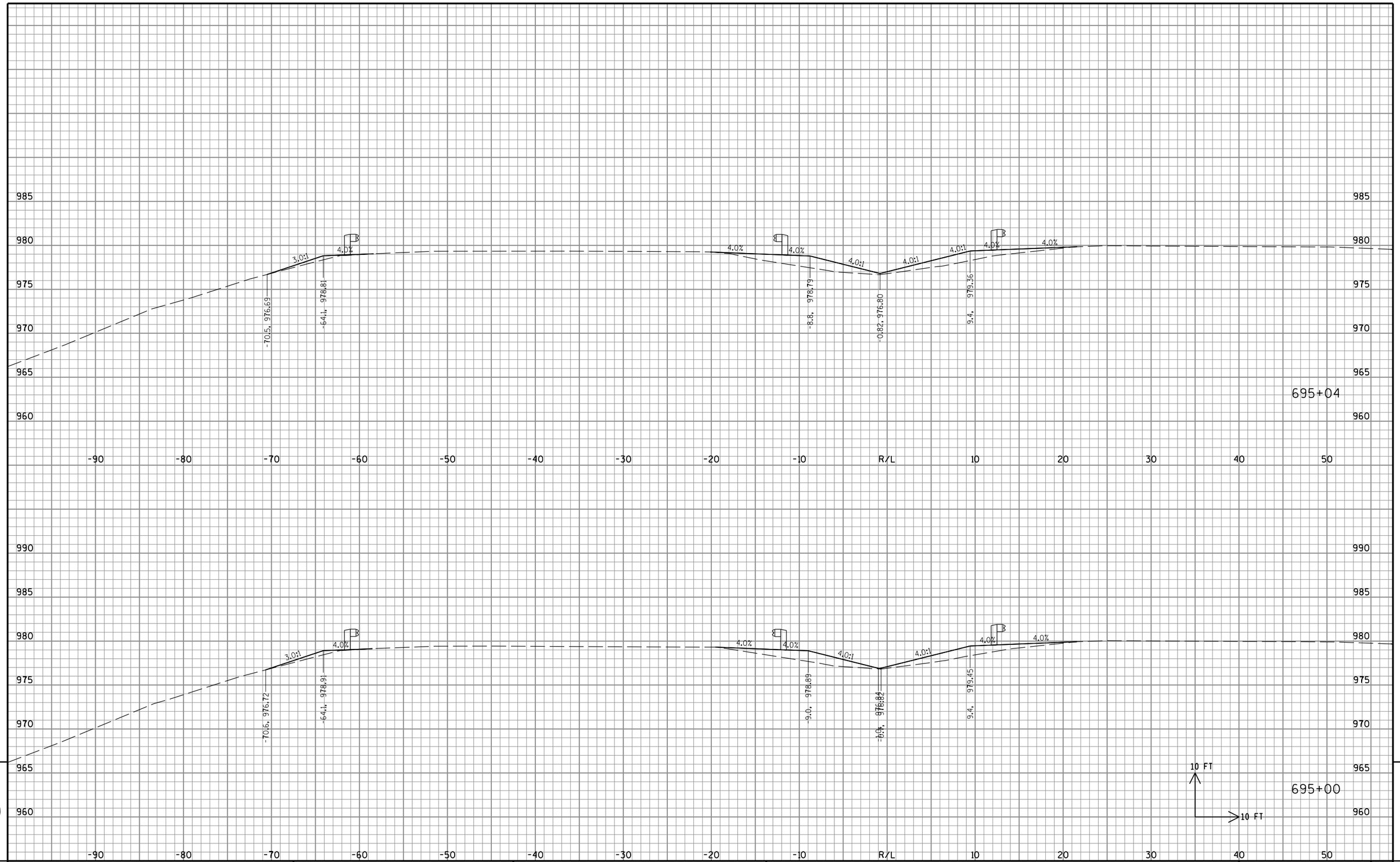


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_369 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

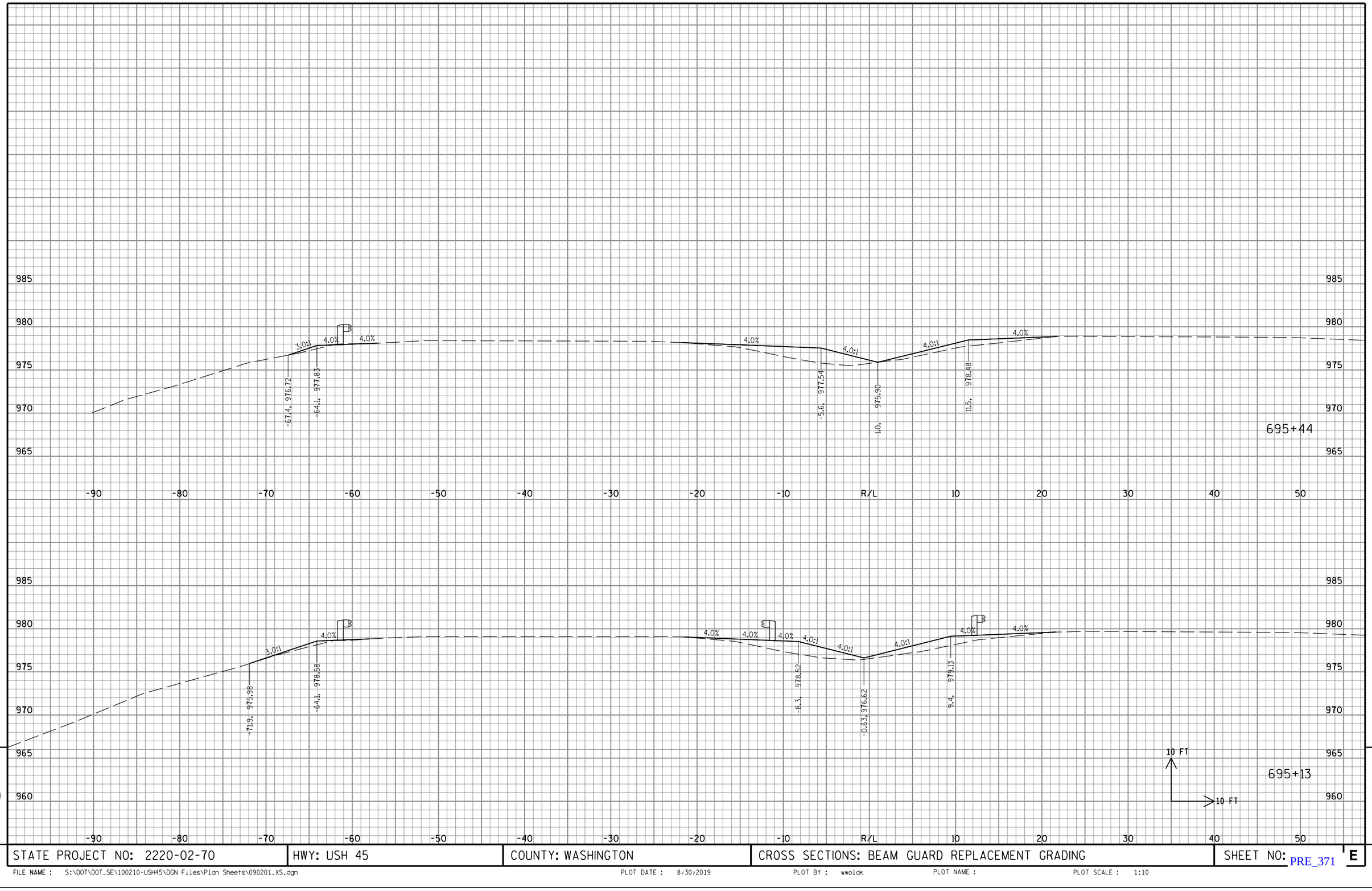


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_370 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

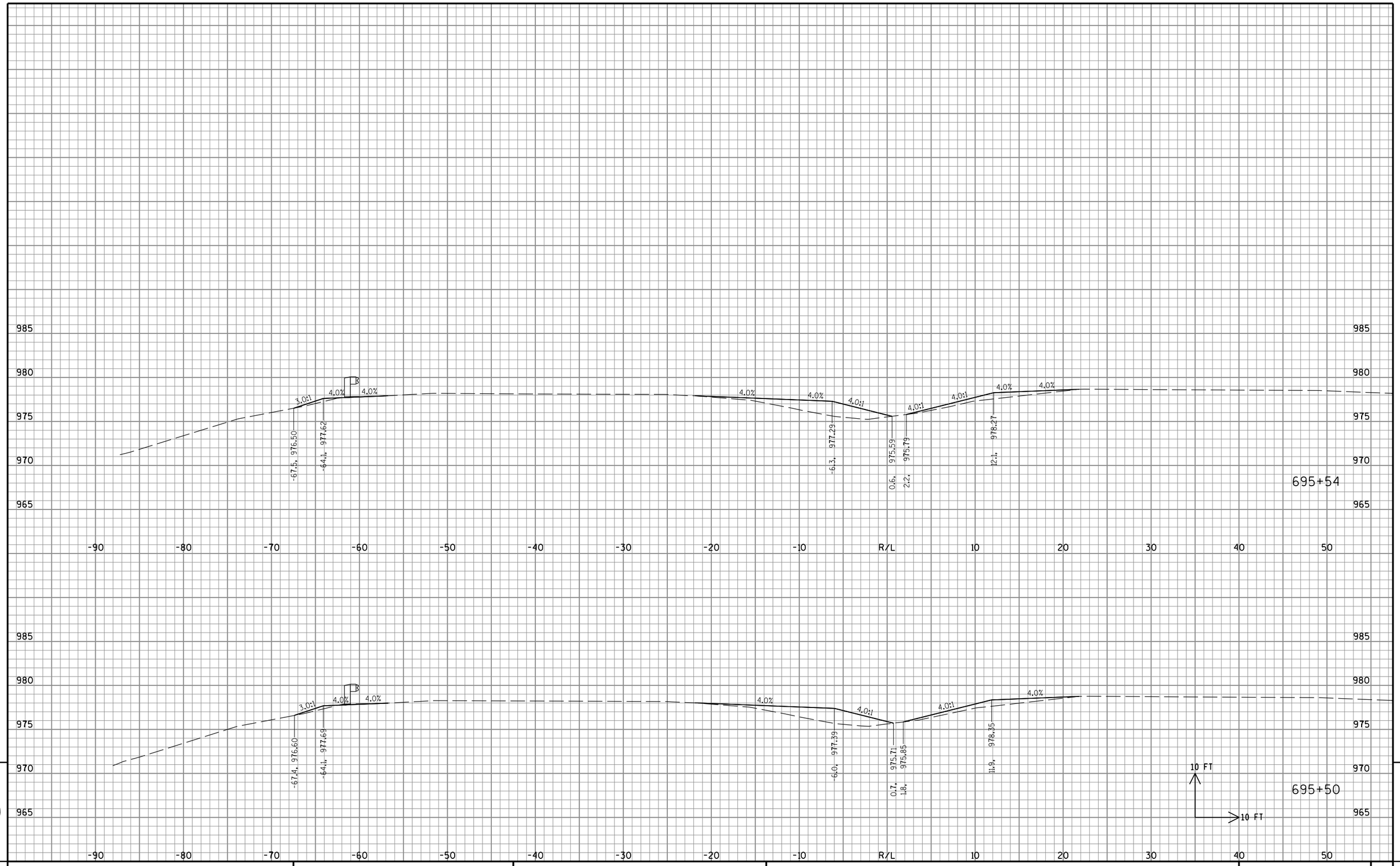


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_371 E

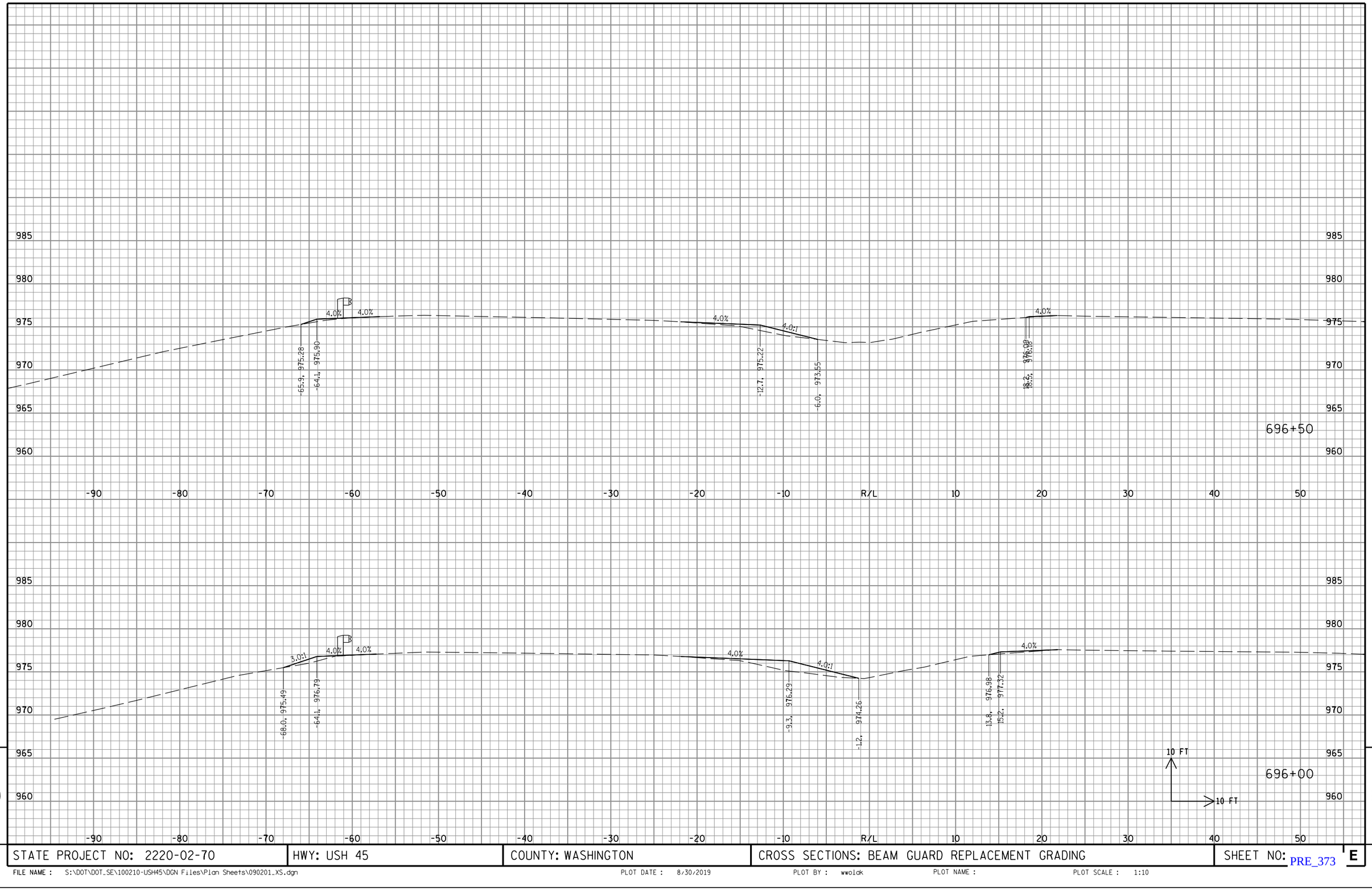
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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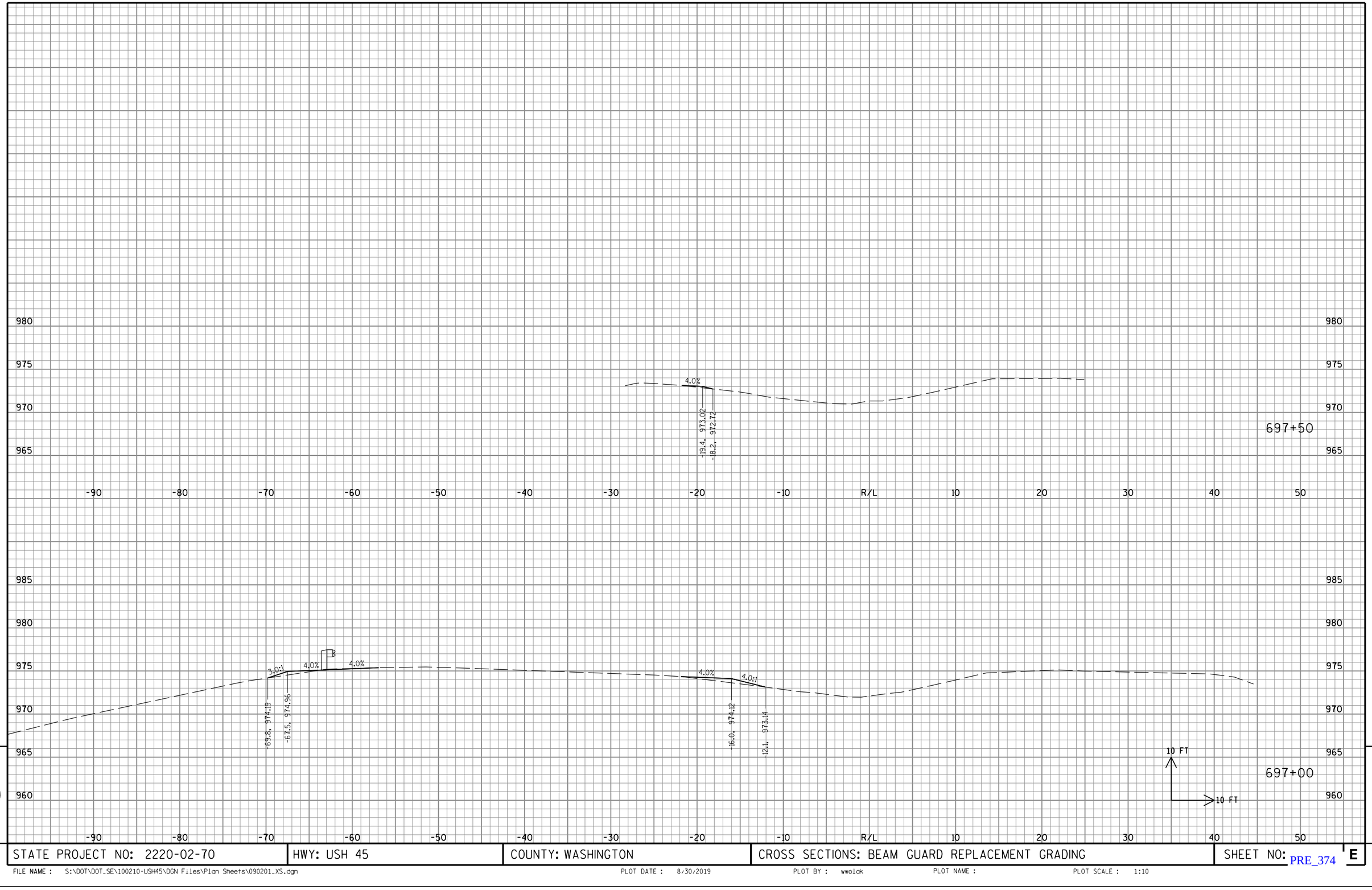
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_372 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_373 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_374 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

975
970
965
960
955
950

-30 -20 -10 R/L 10 20 30 40 50 60 70 80 90 100 110

4.0%
3.0:1
65.5, 968.60
80.3, 963.67

733+50

4.0%
3.0:1
62.3, 968.84
70.0, 966.26

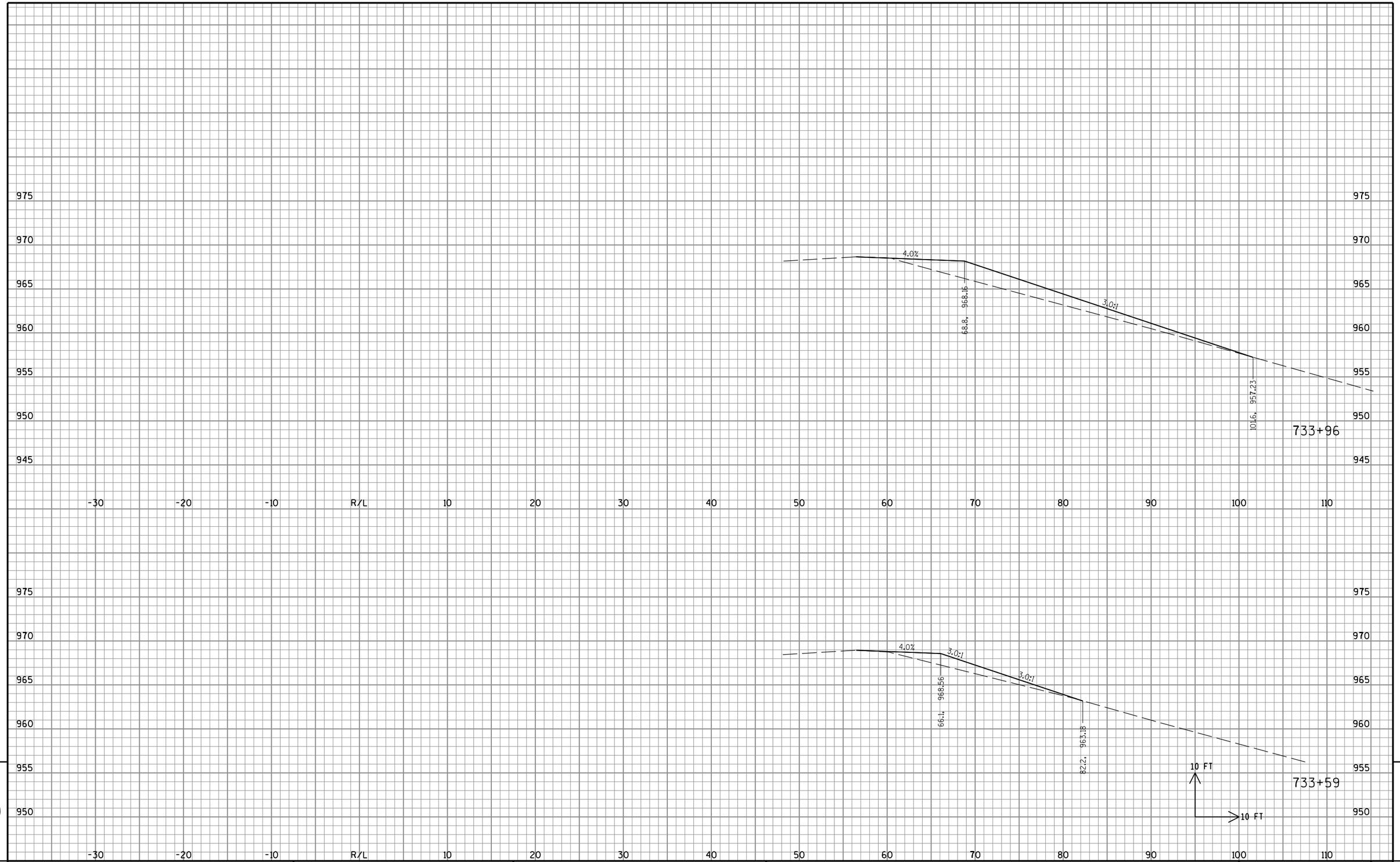
10 FT
10 FT

733+00

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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_375 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

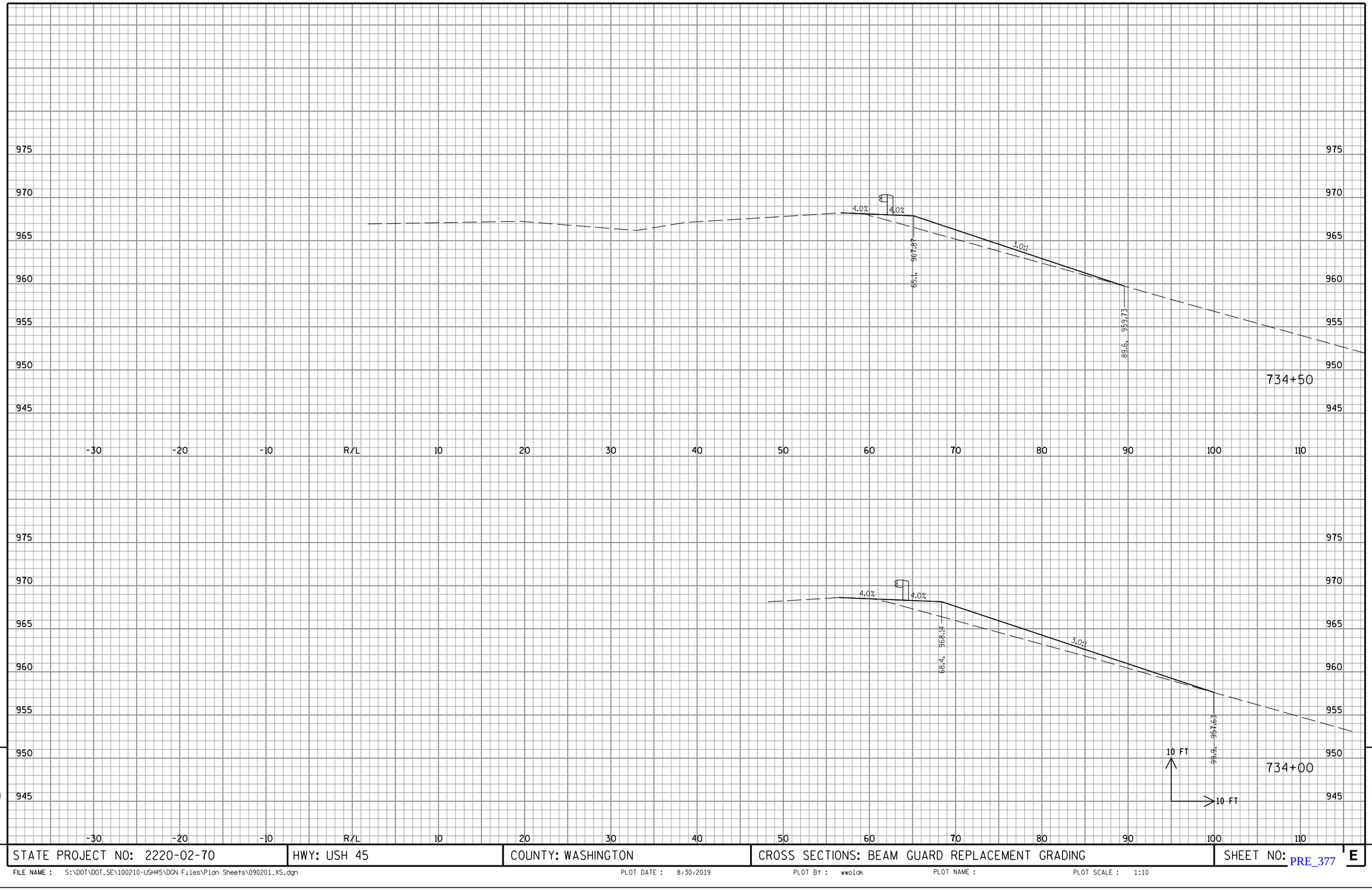


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_376 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

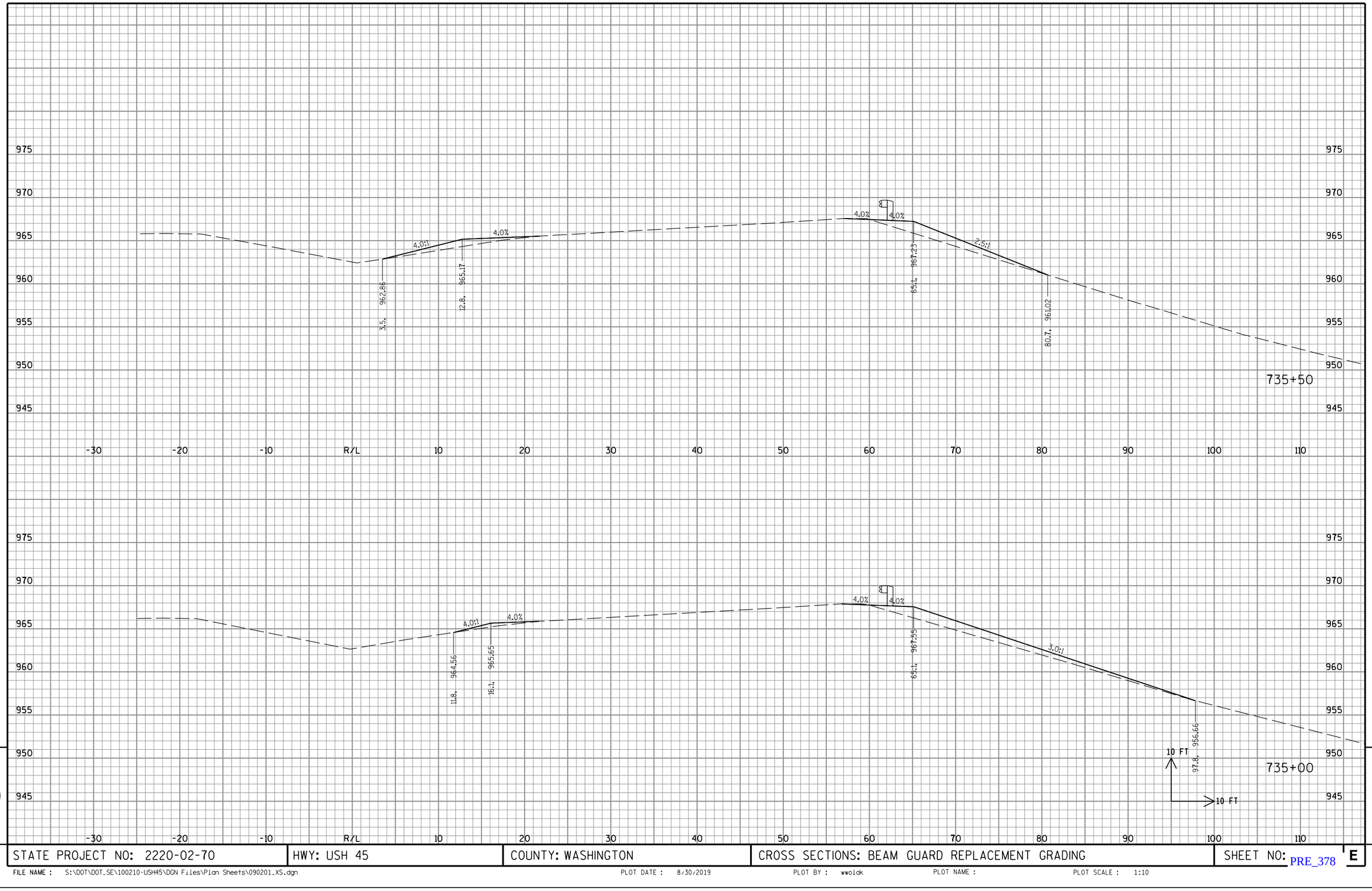


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_377 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

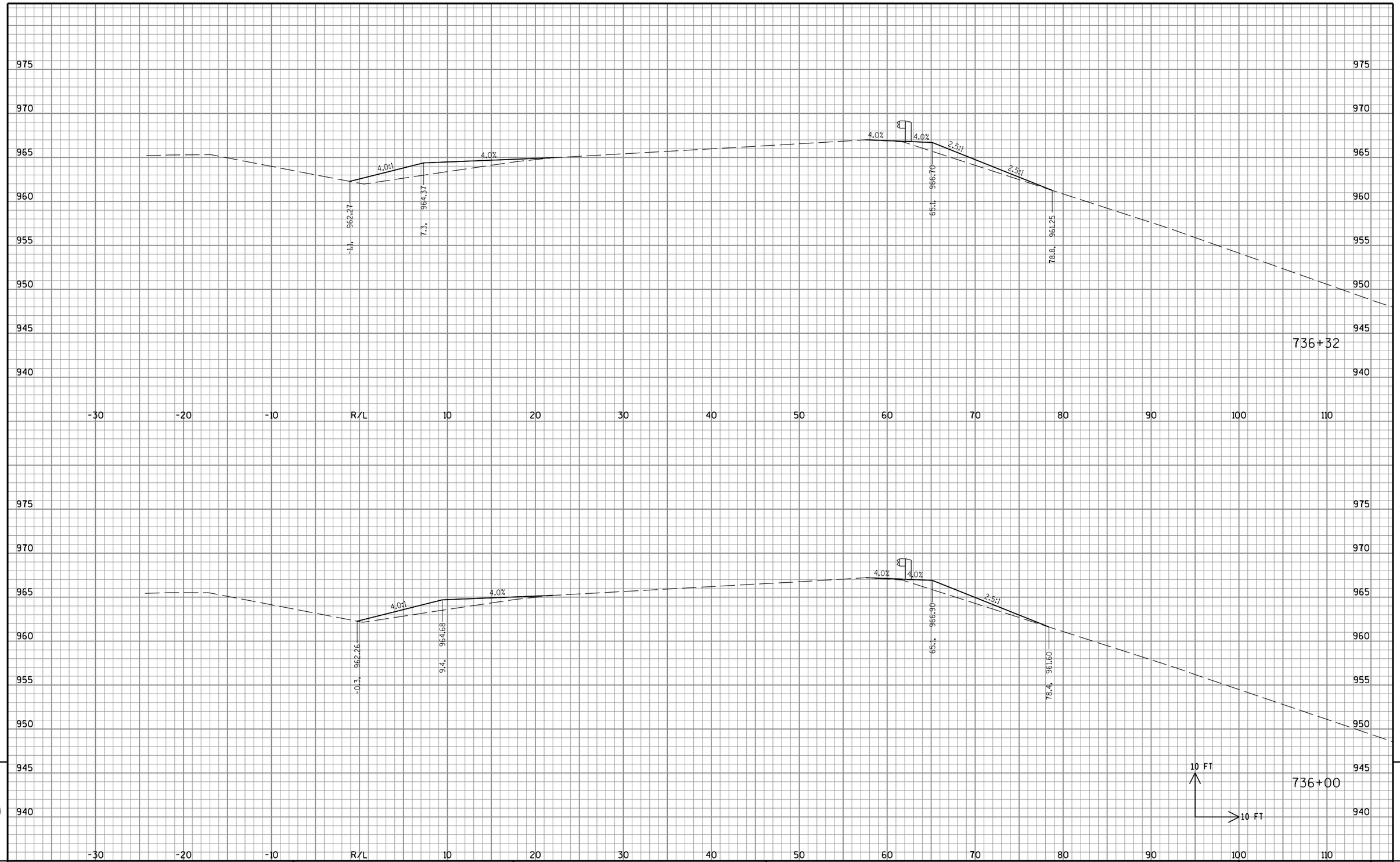


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_378 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

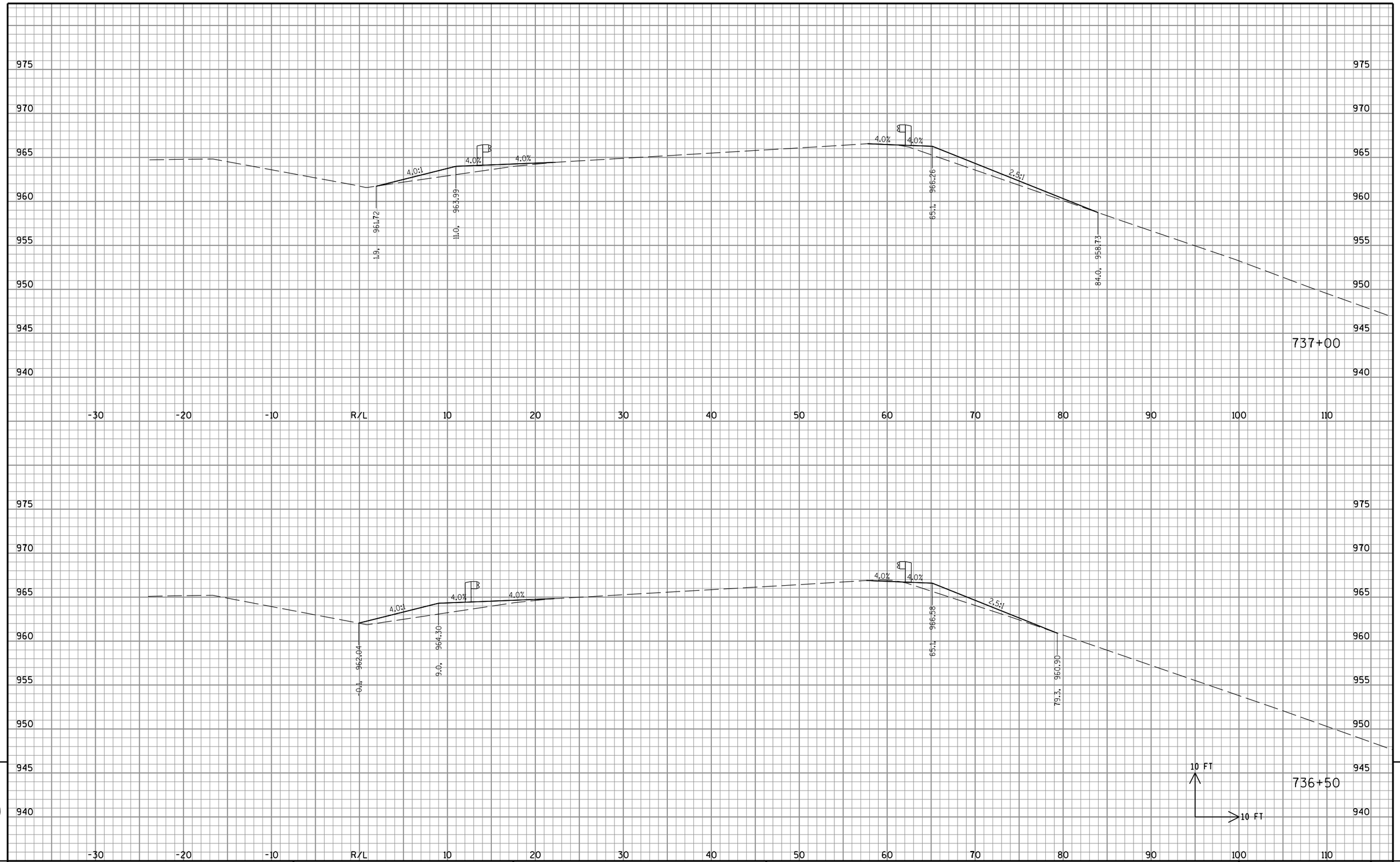


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_379 E

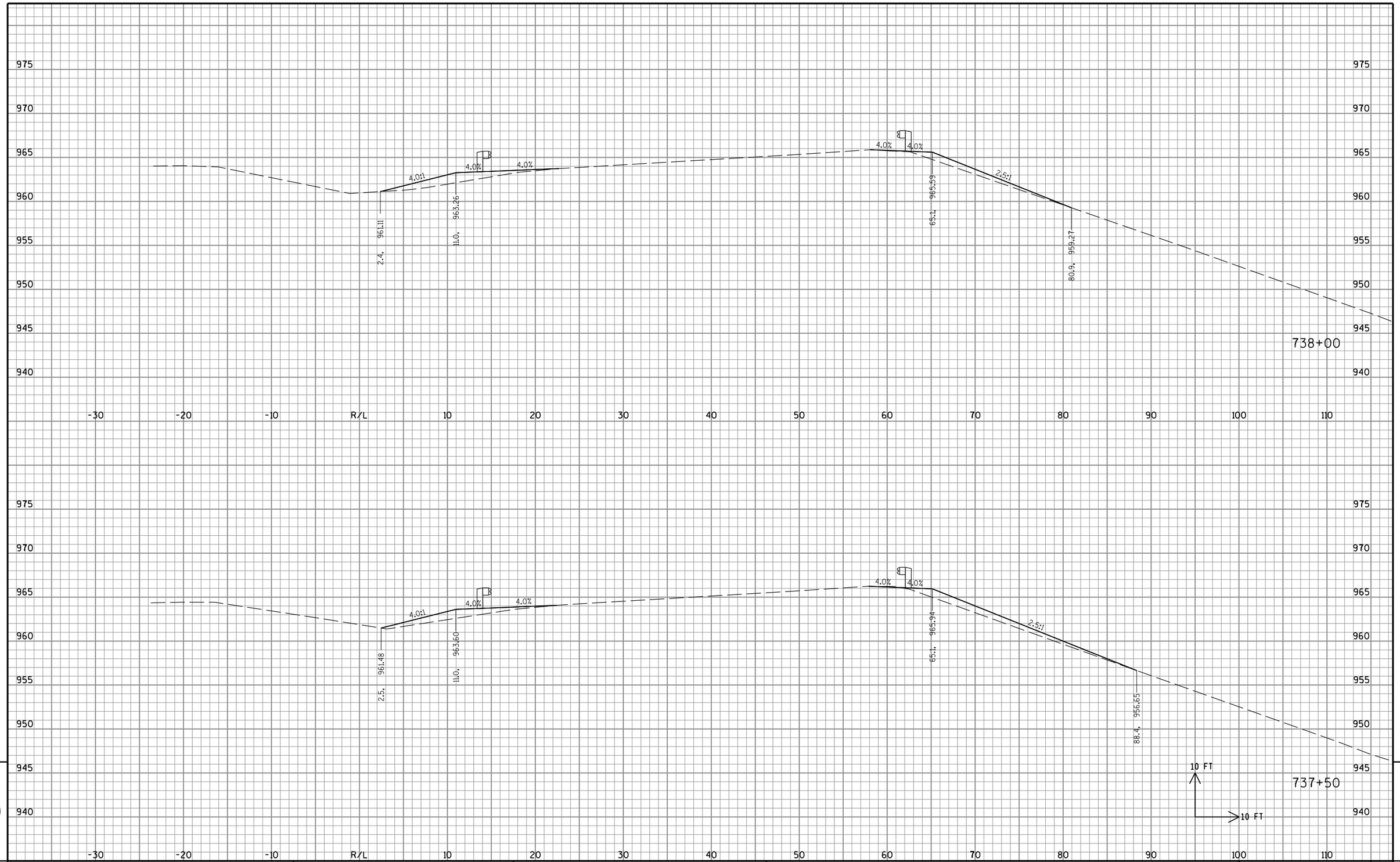
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_380 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

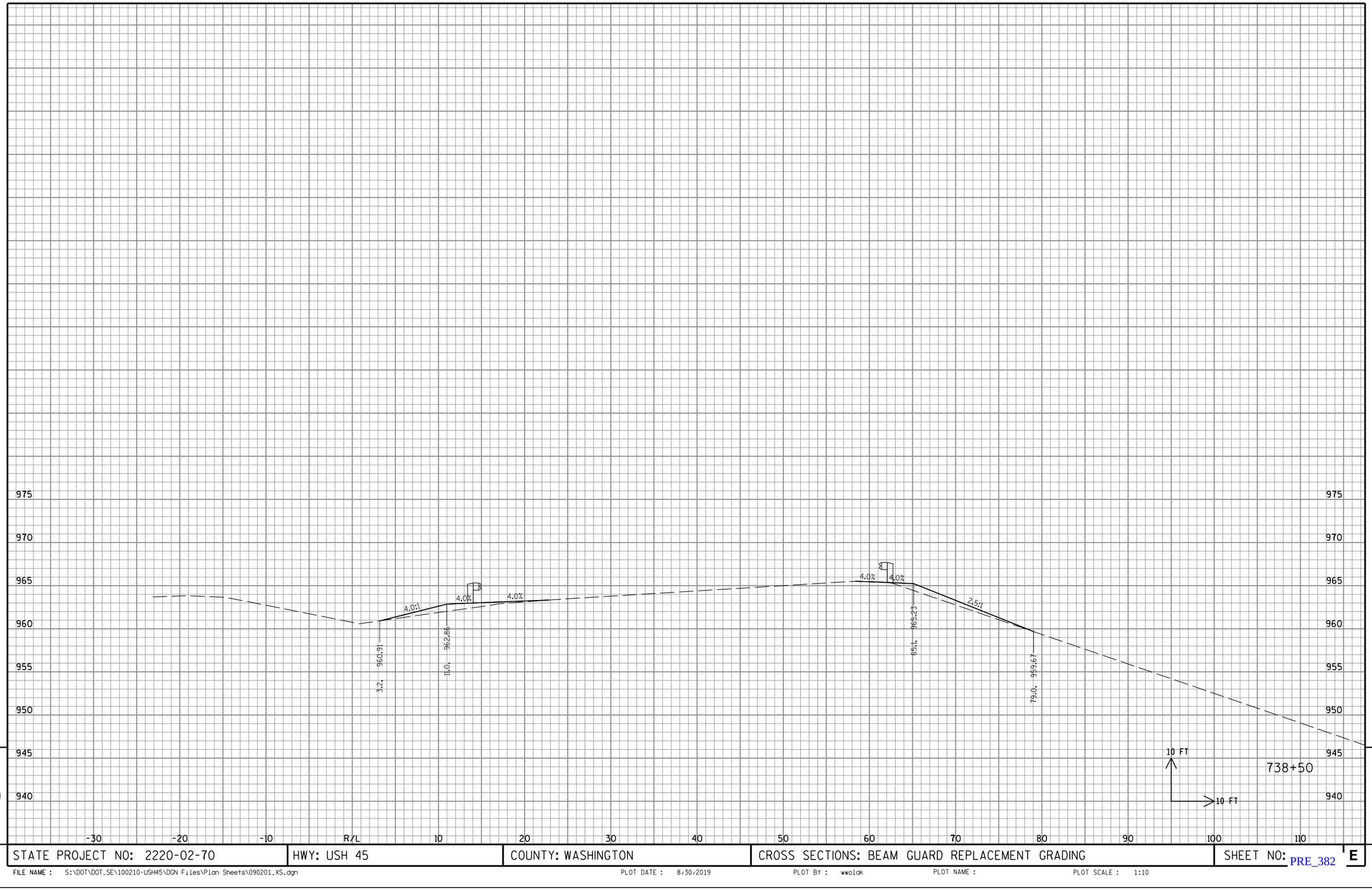
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_381 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

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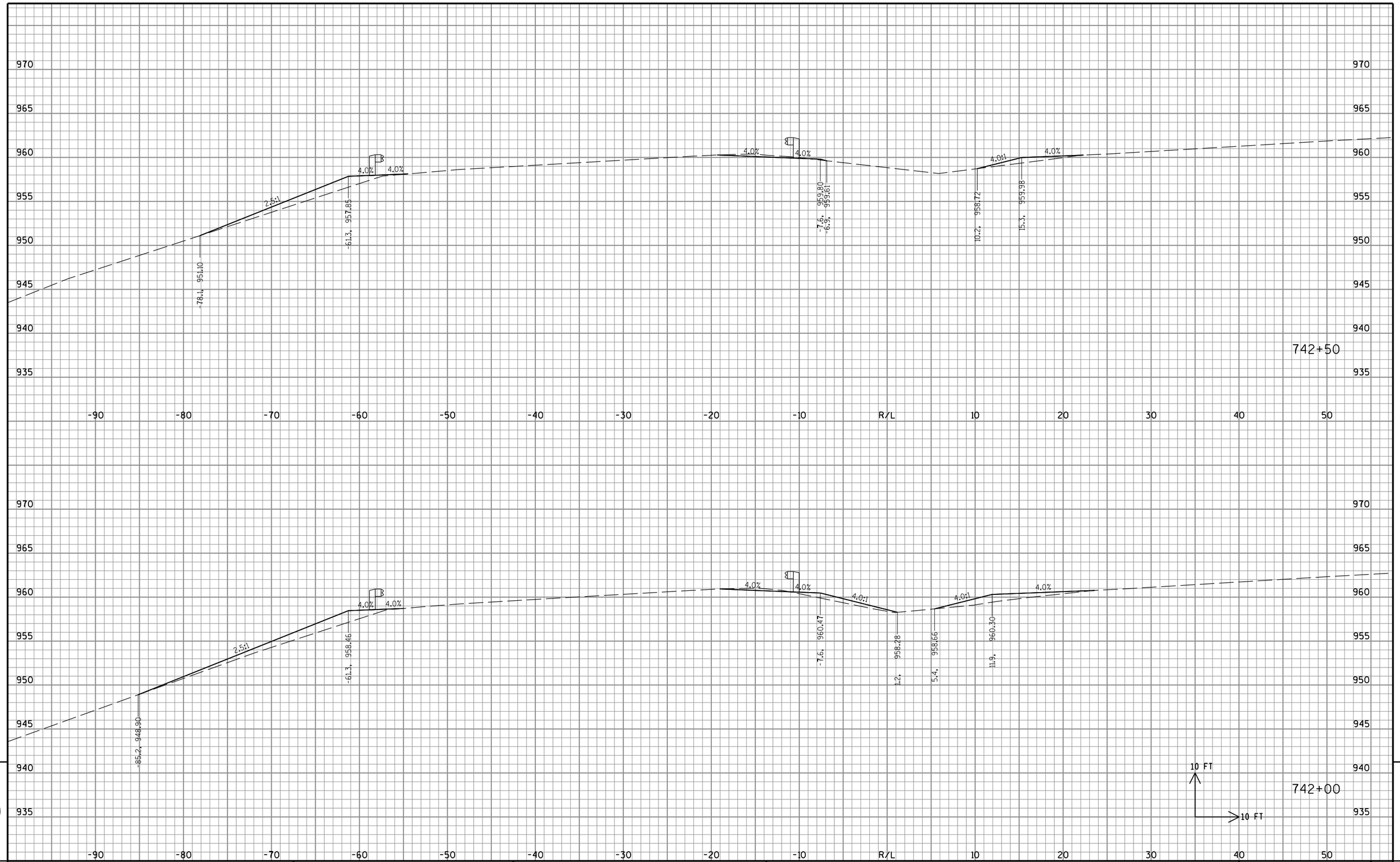


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_382 E

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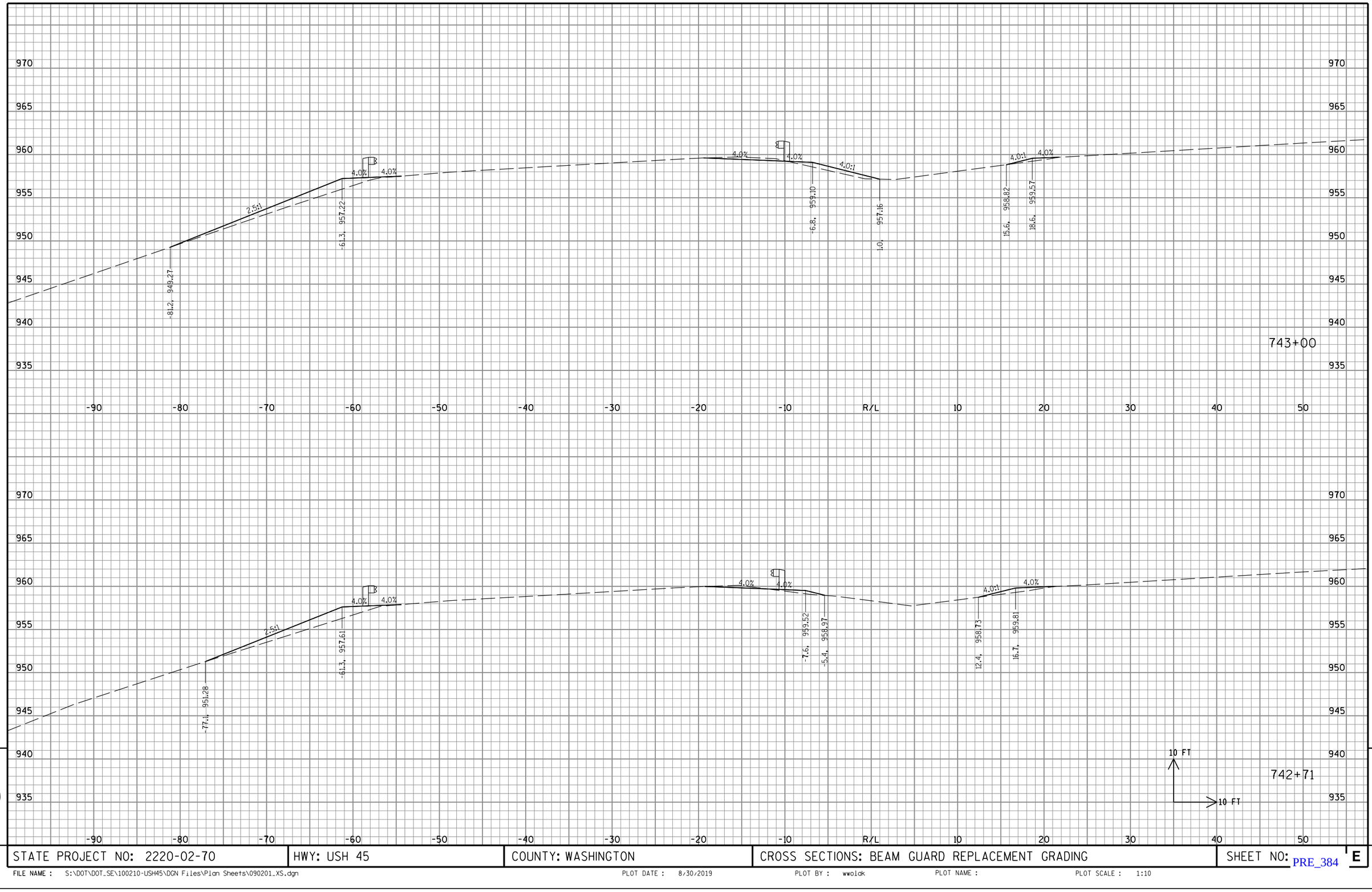


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_383 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

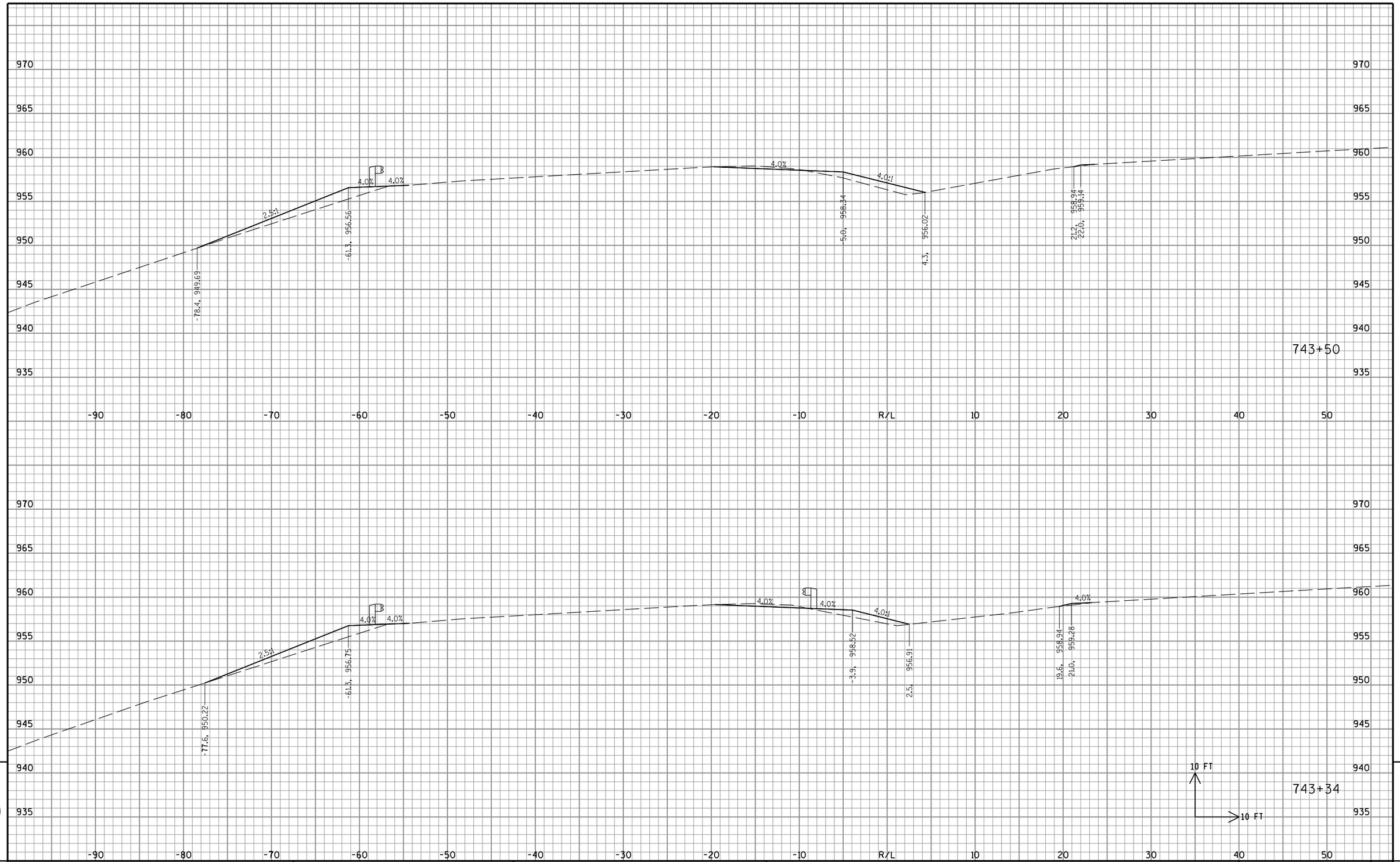


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_384 E

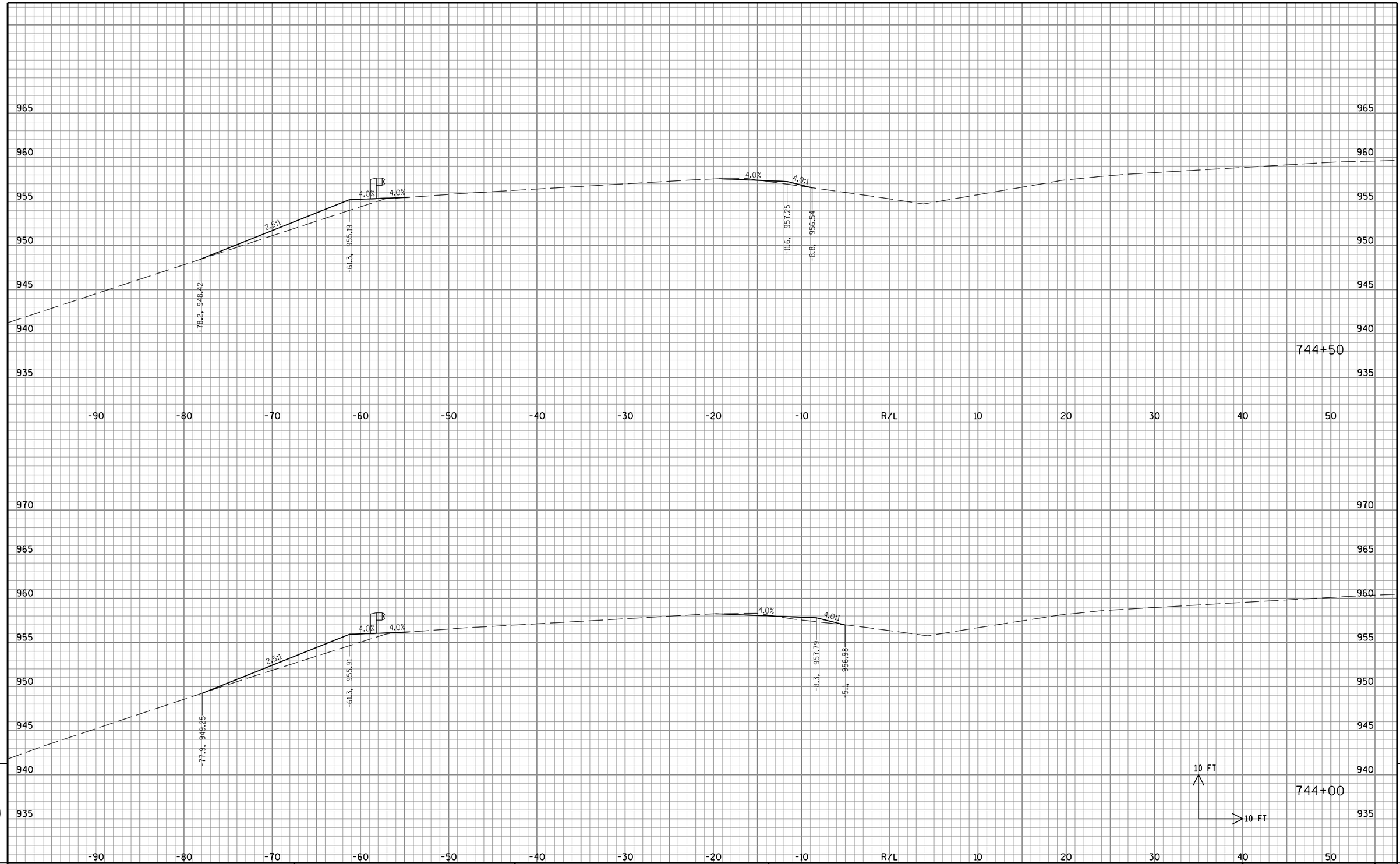
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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_385 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

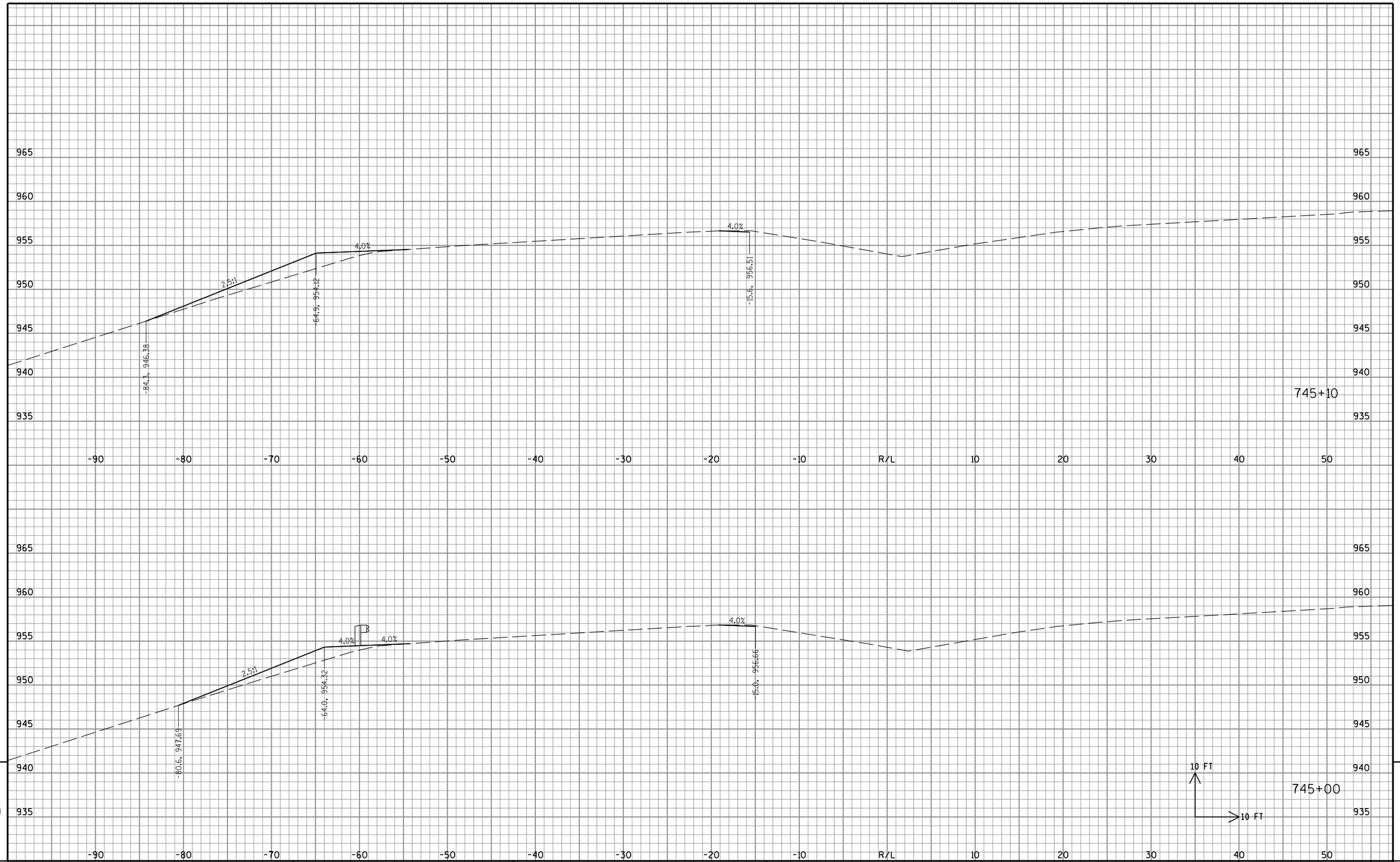


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_386 E

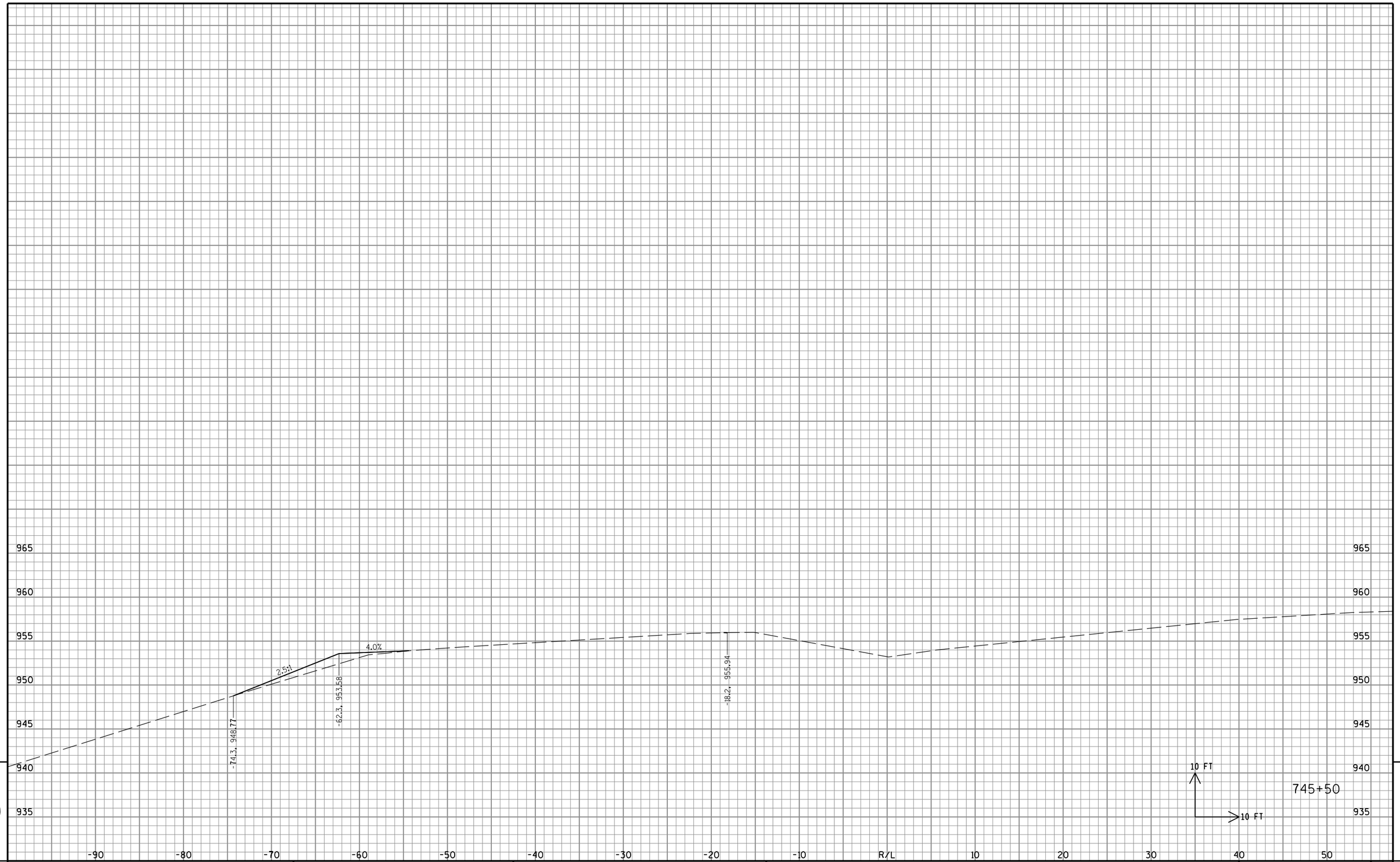
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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_387 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

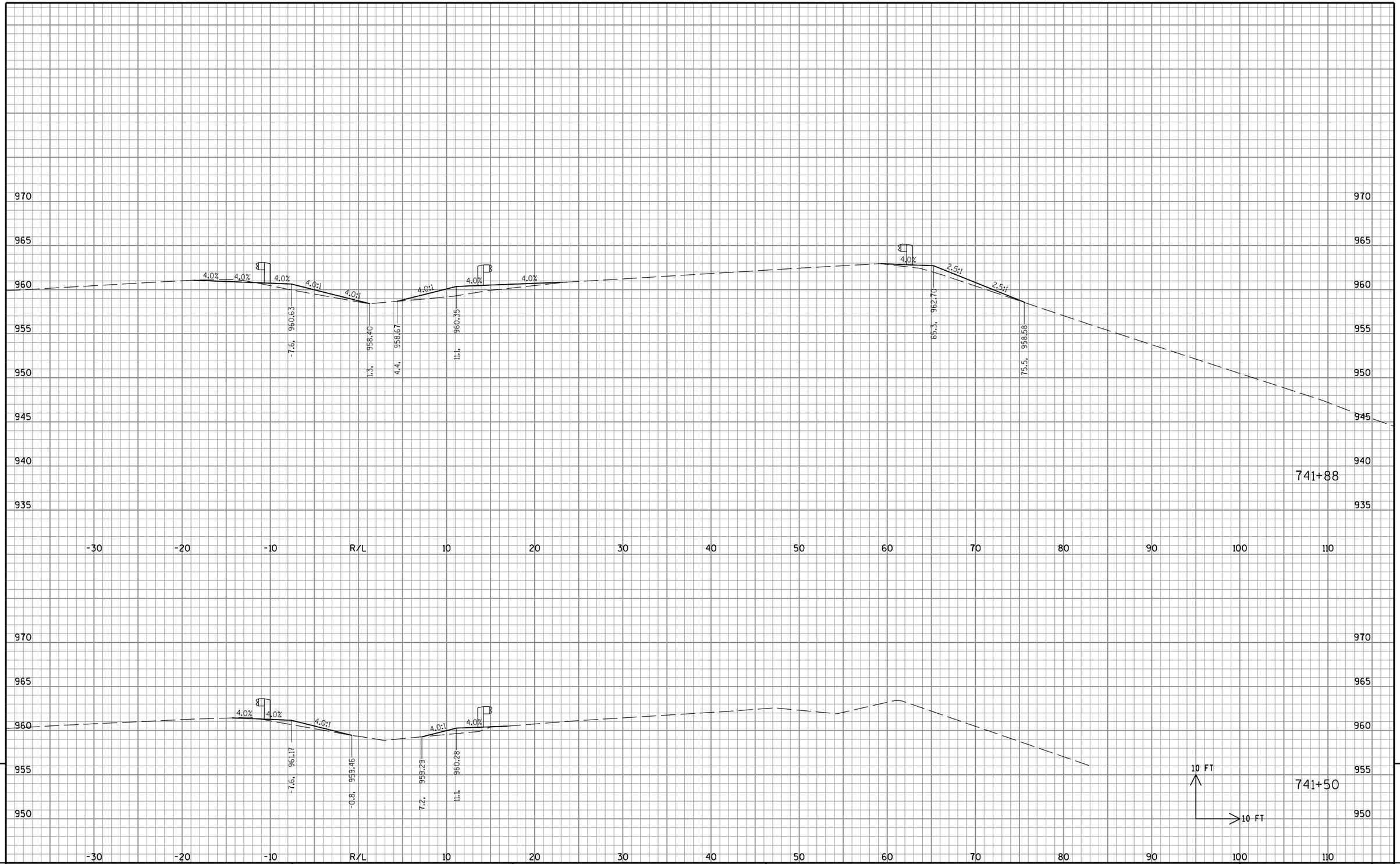


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_388 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

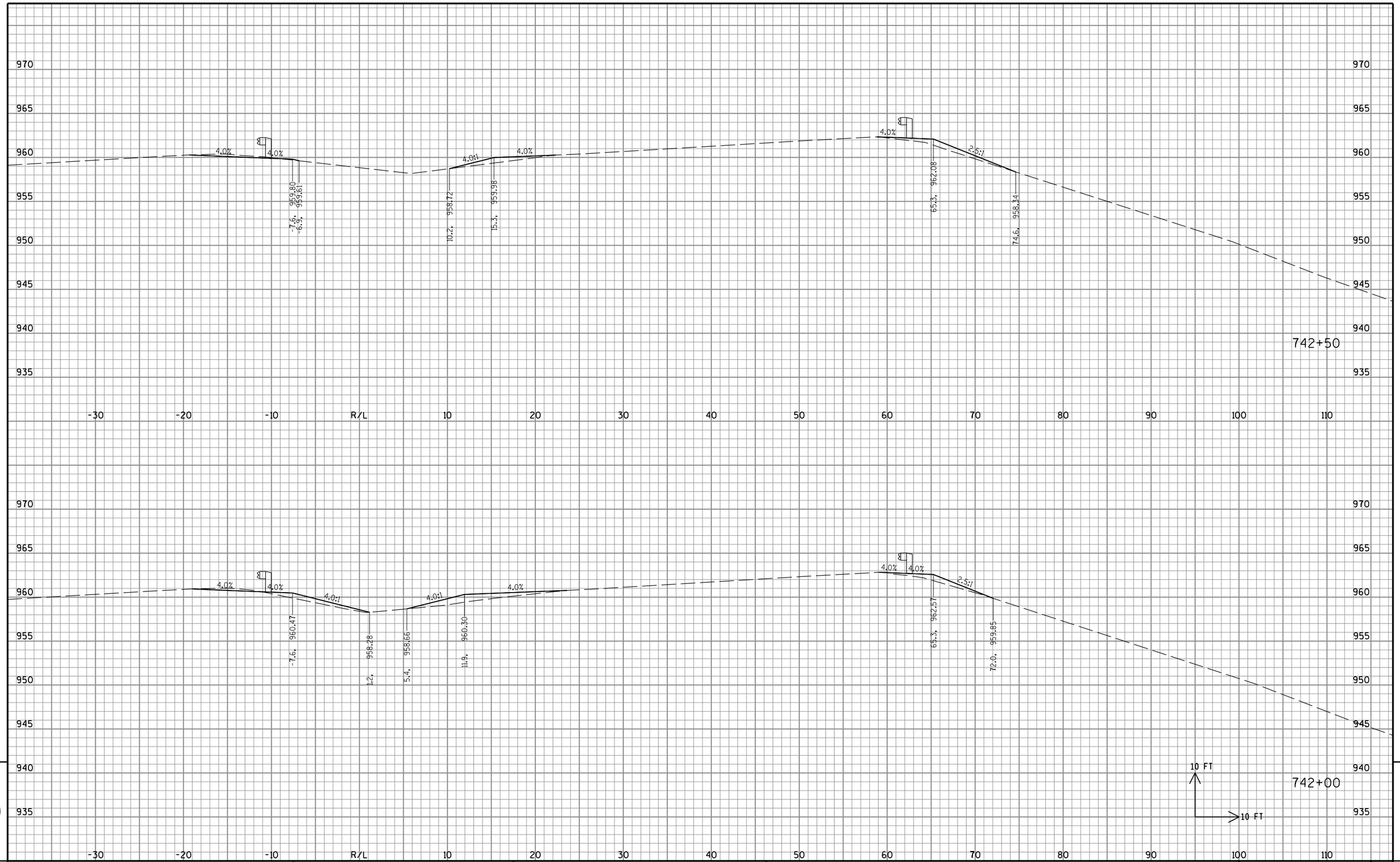


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_389 E

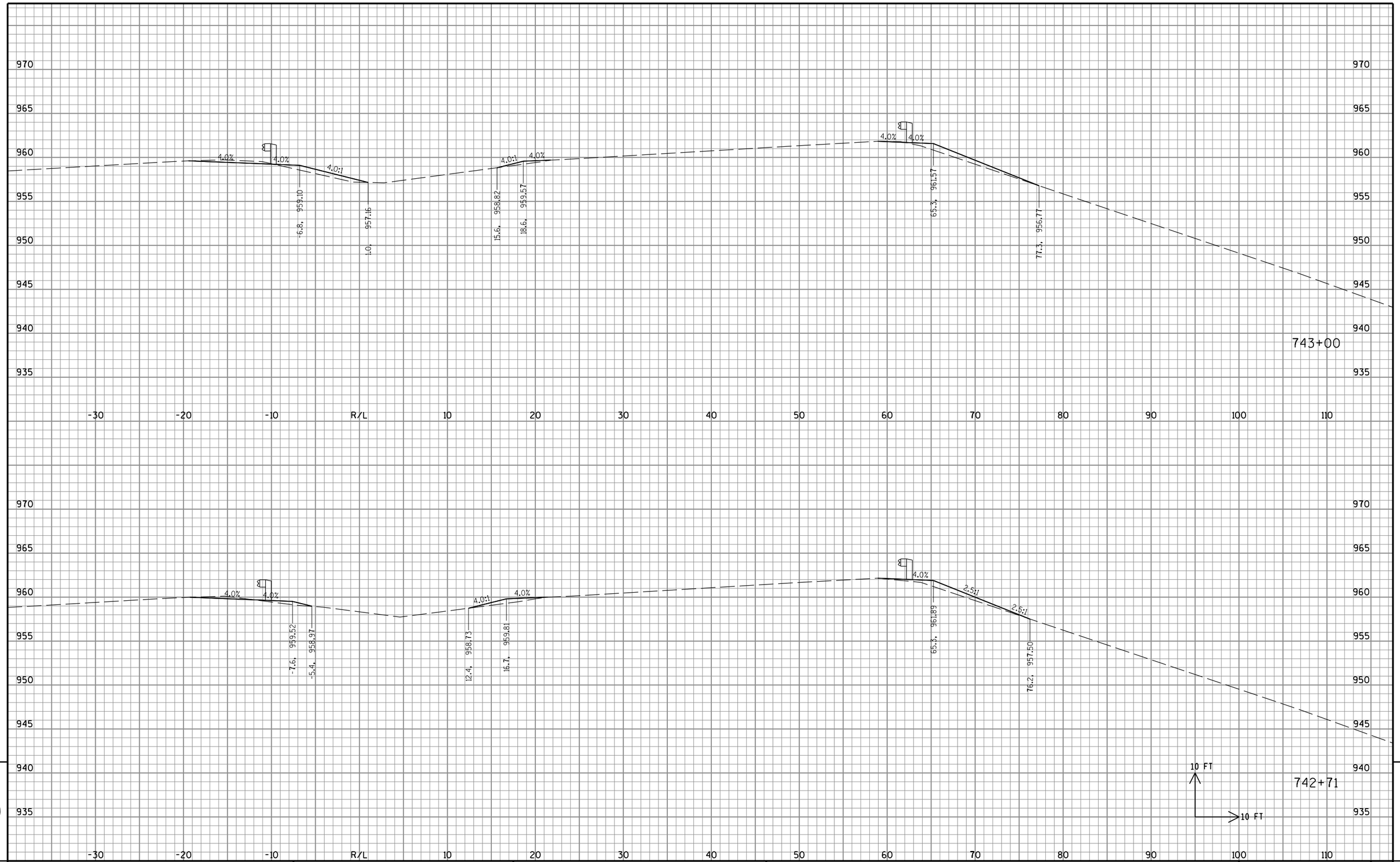
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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



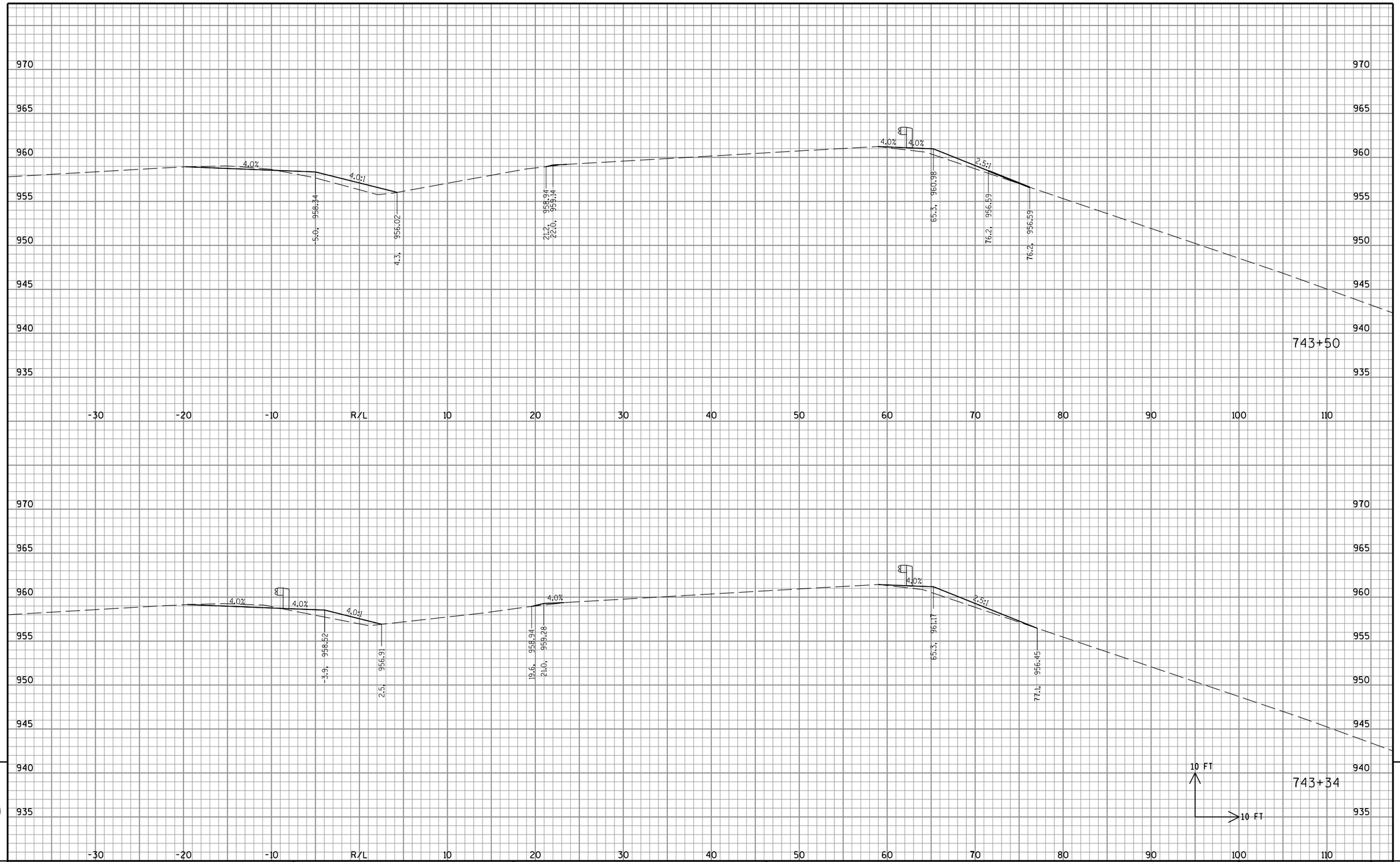
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_390 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



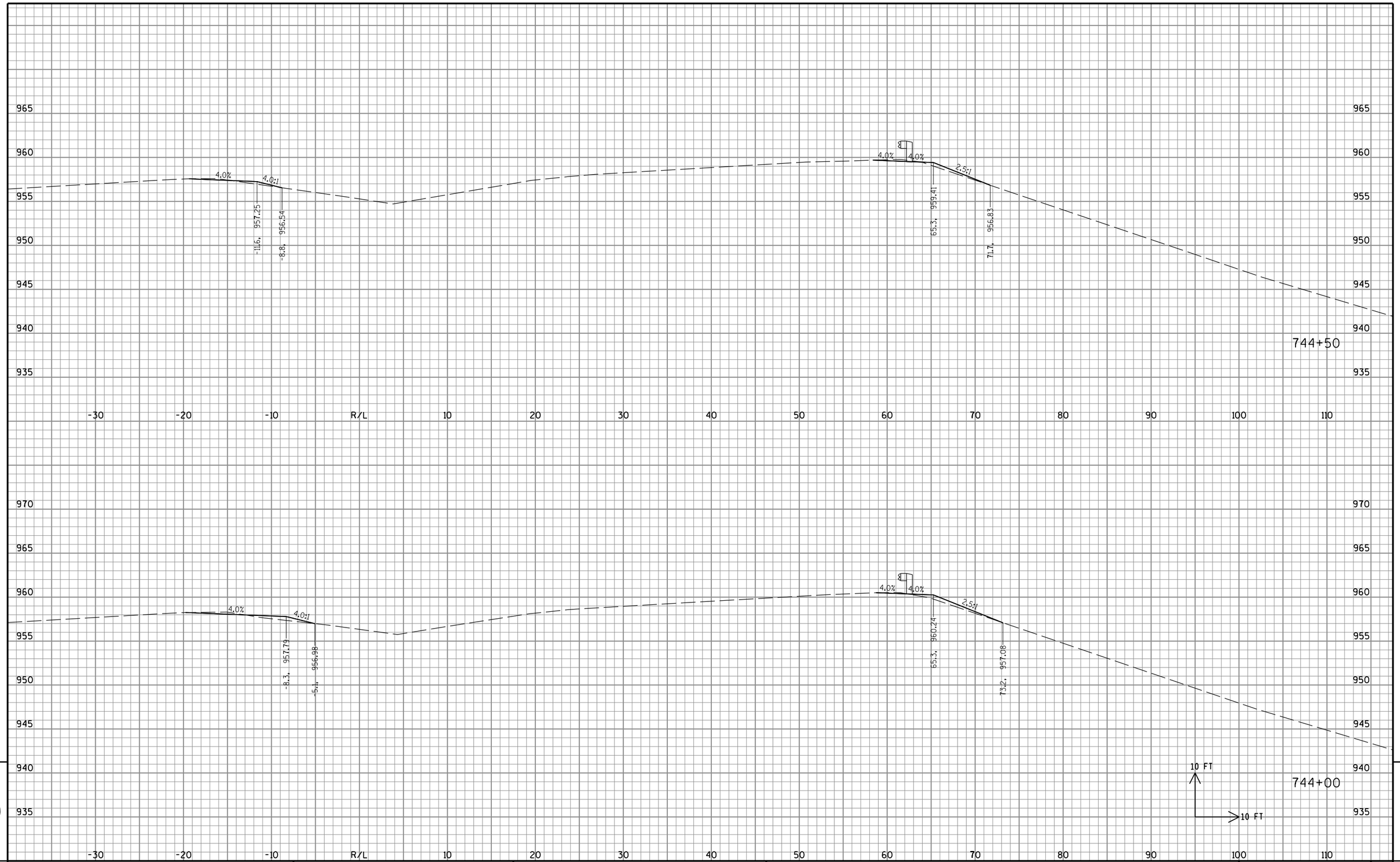
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_391 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_392 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

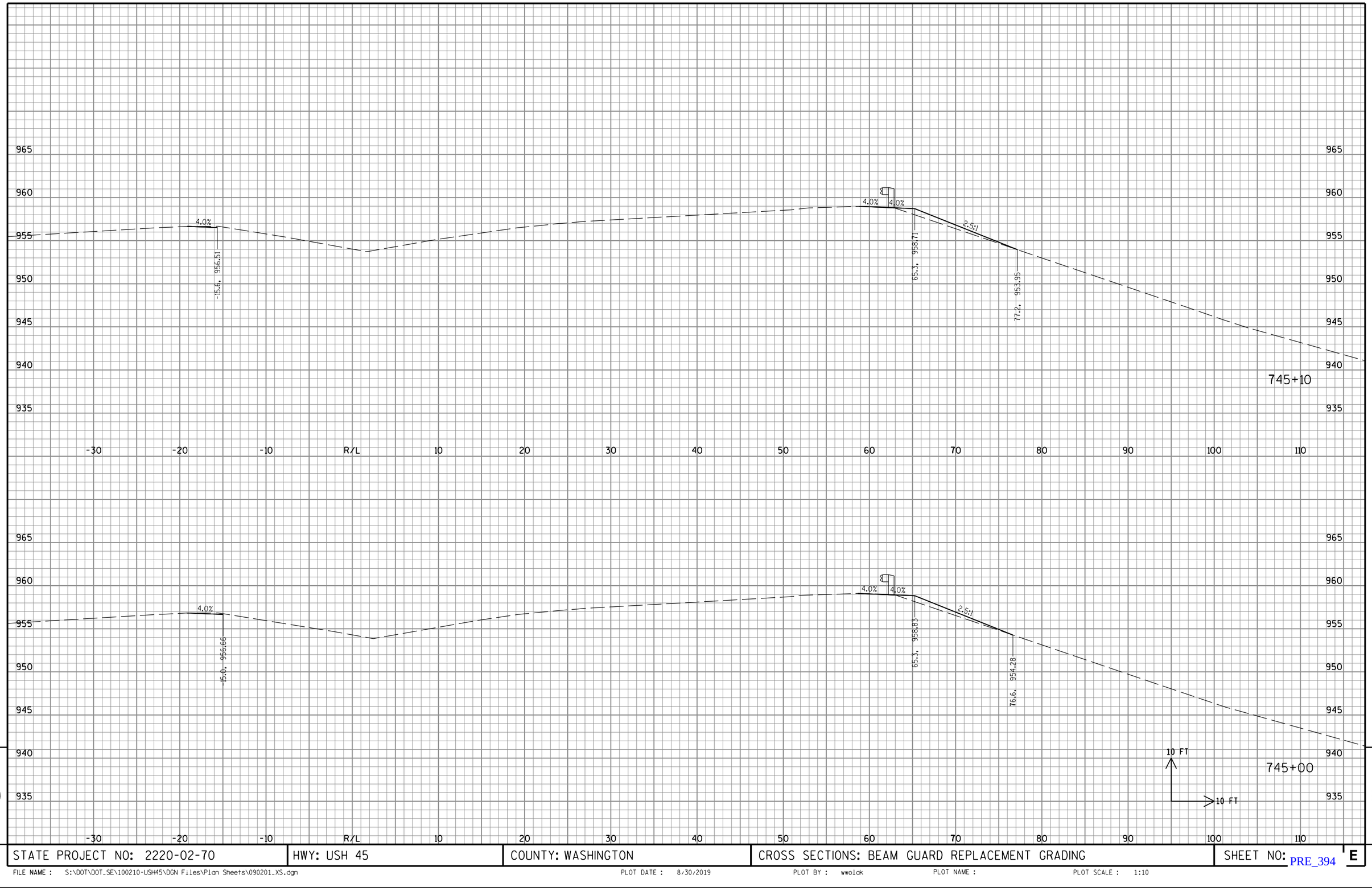


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_393 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

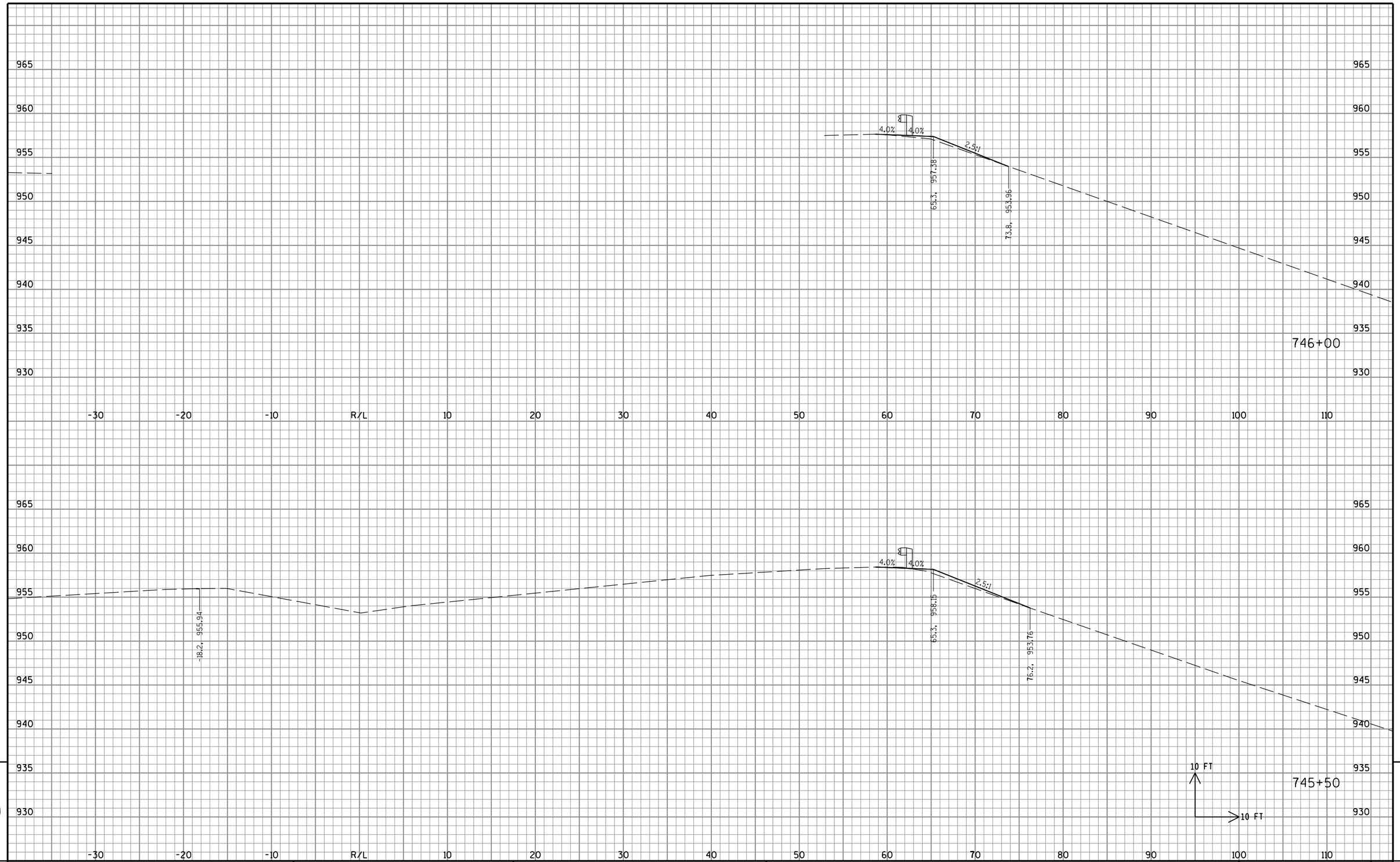


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_394 E

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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

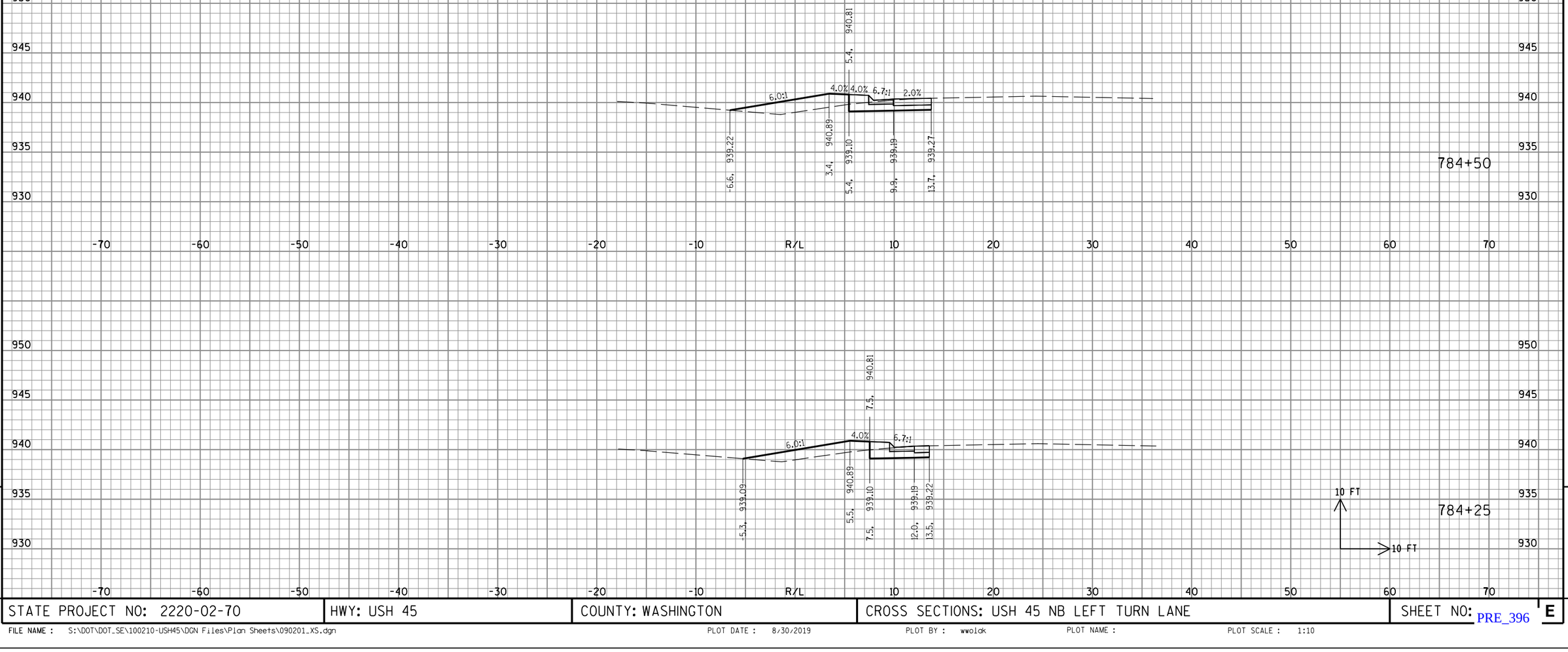


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: BEAM GUARD REPLACEMENT GRADING	SHEET NO: PRE_395 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



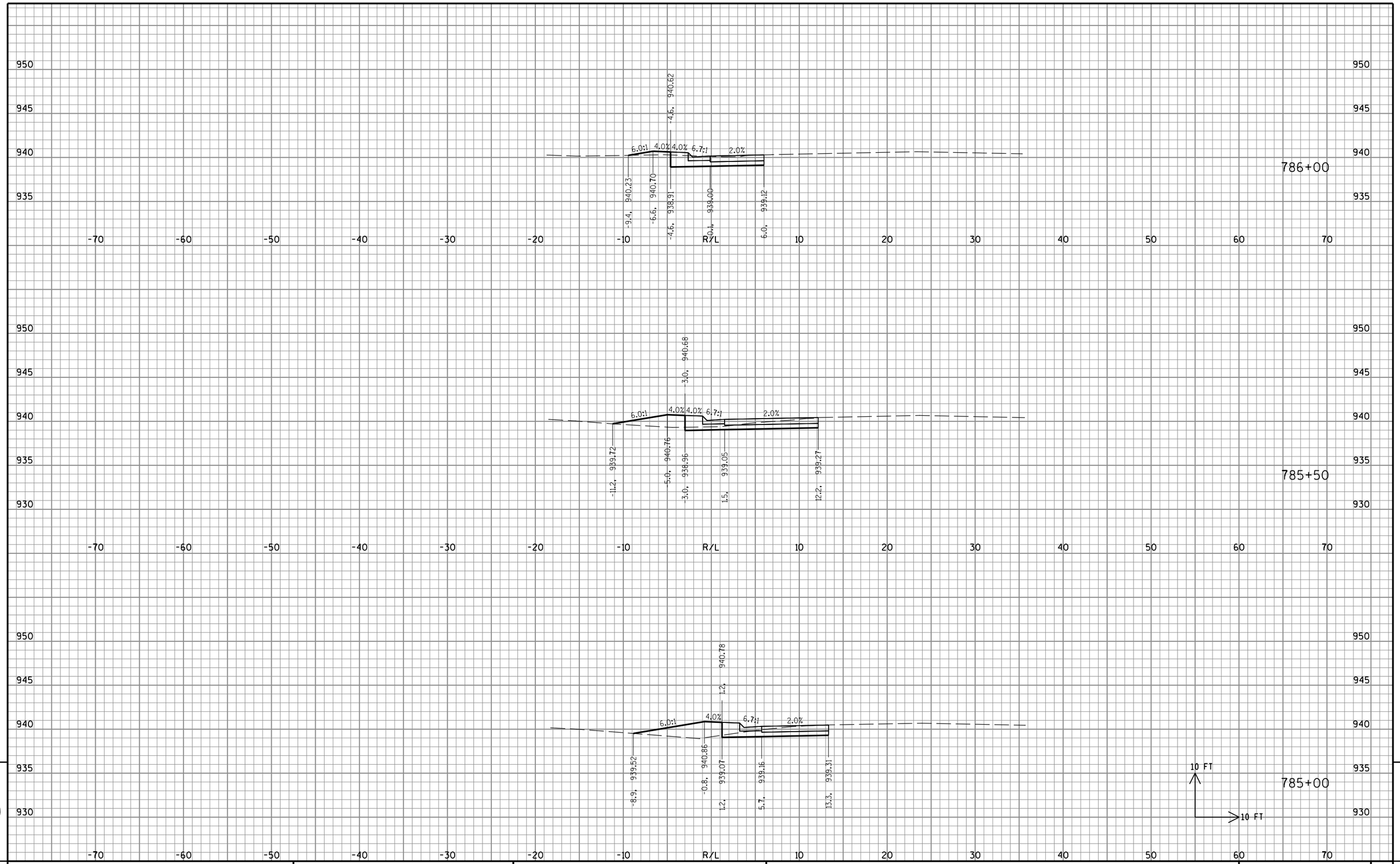
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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB LEFT TURN LANE	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_396

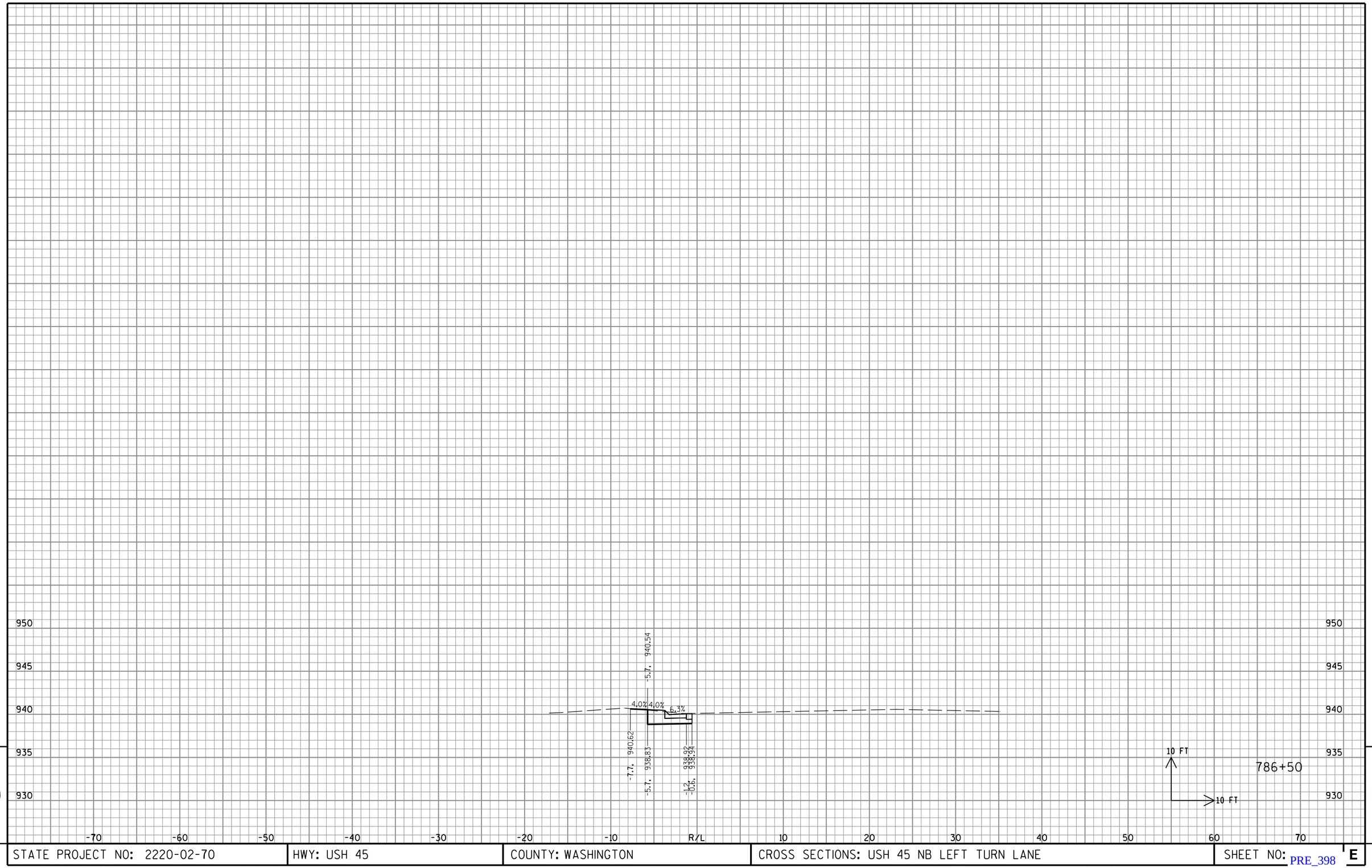


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB LEFT TURN LANE	SHEET NO: PRE_397 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



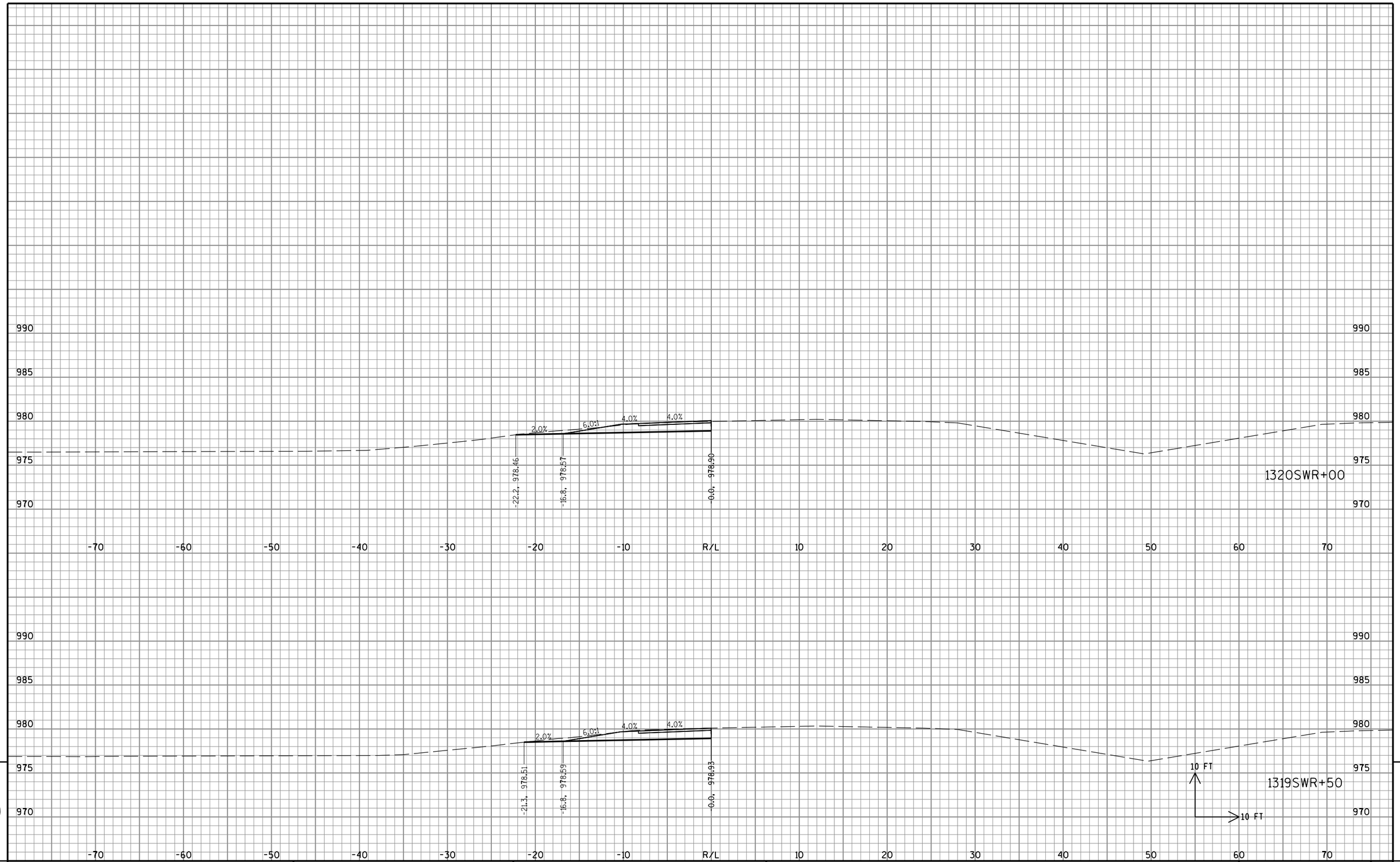
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB LEFT TURN LANE	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_398



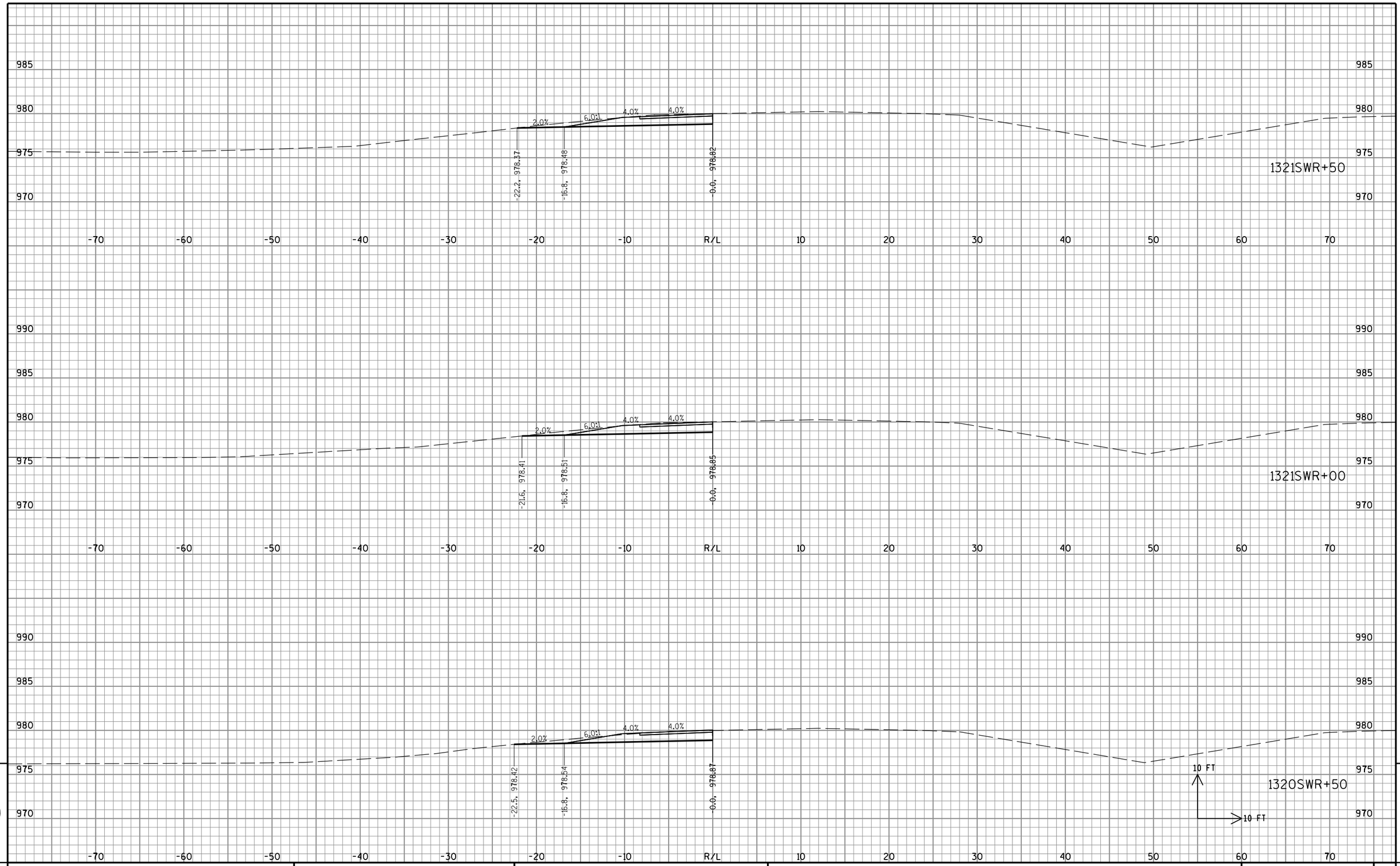
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

PRE_399

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

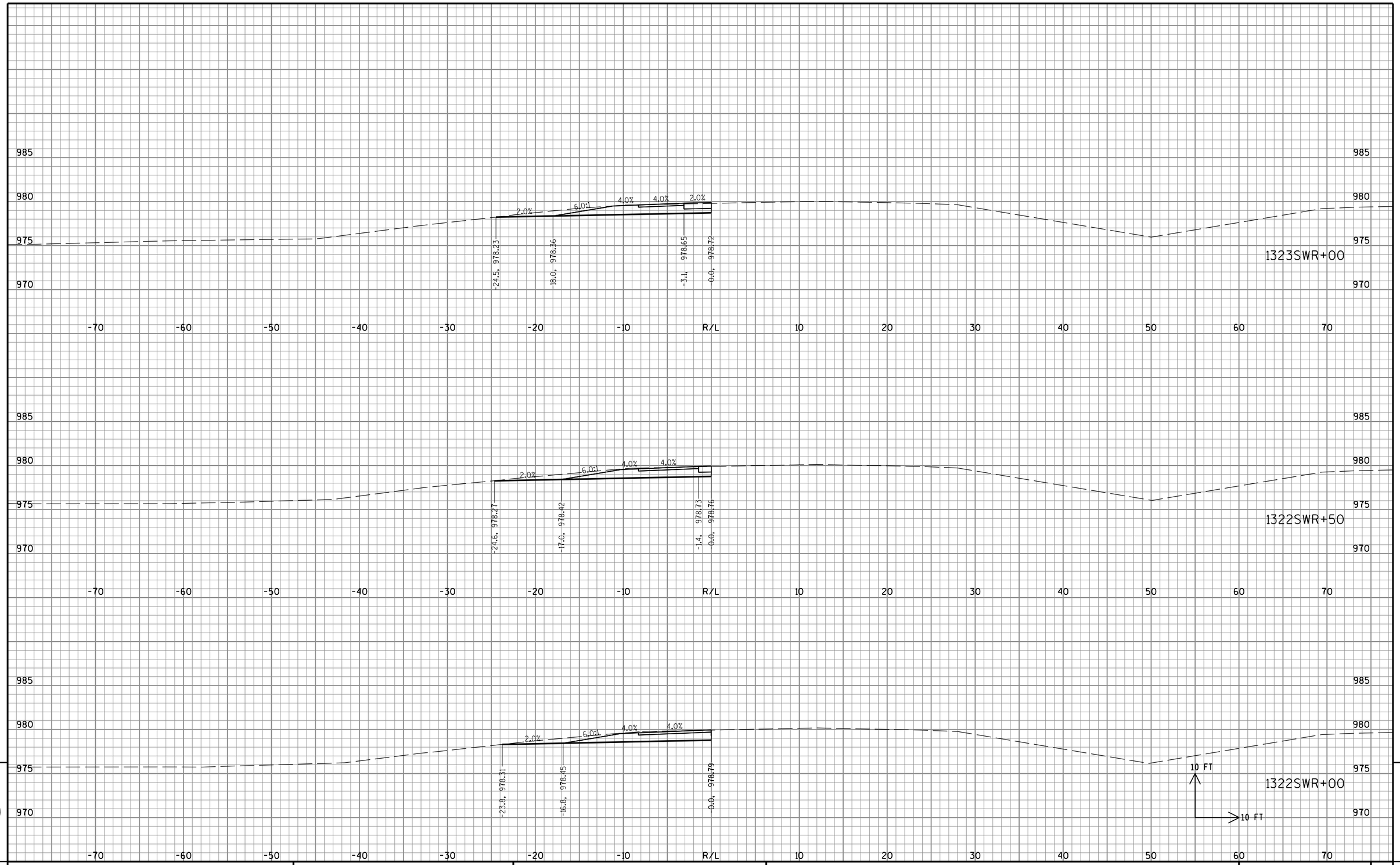


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_400 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

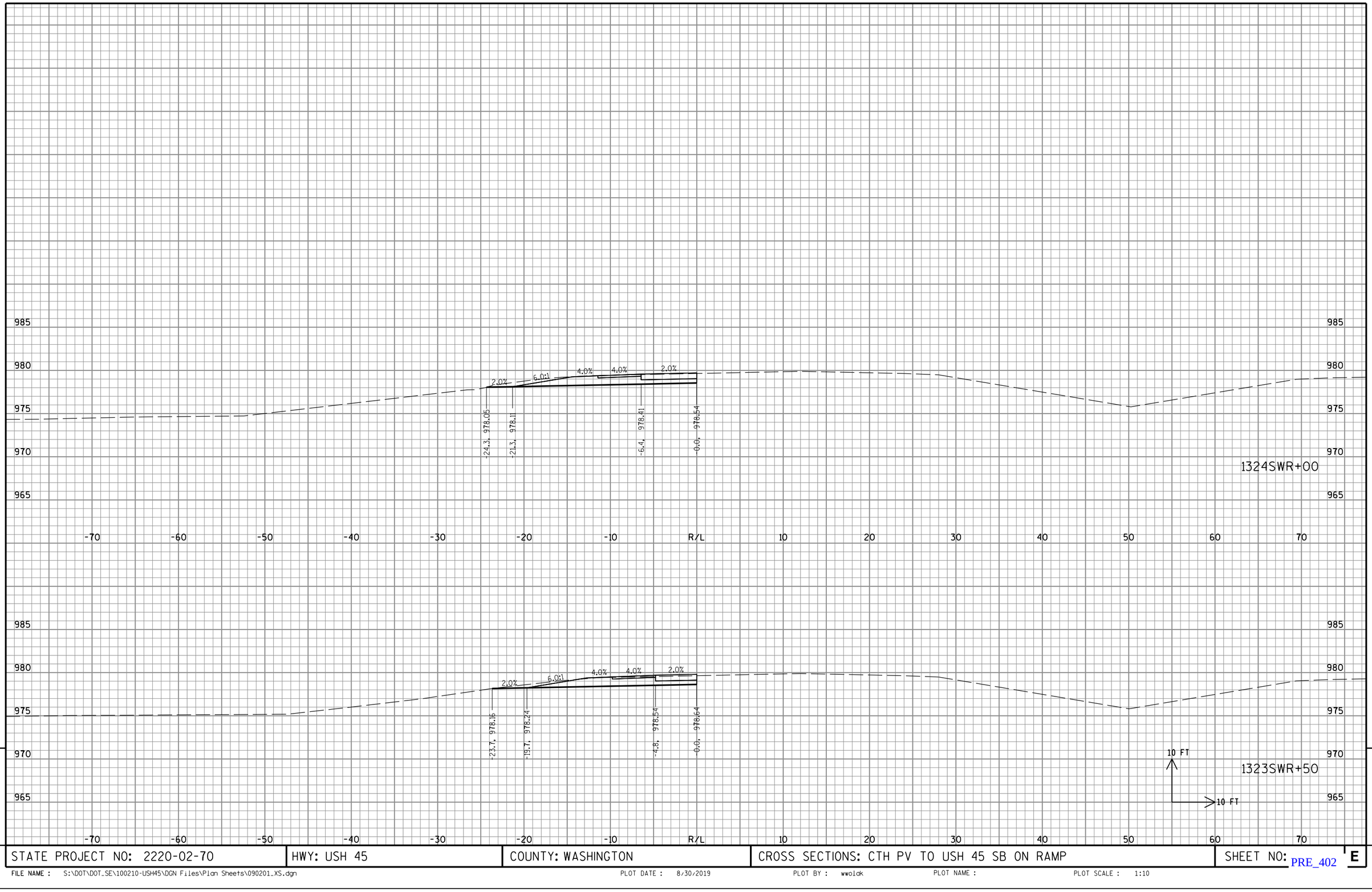


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_401 E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10



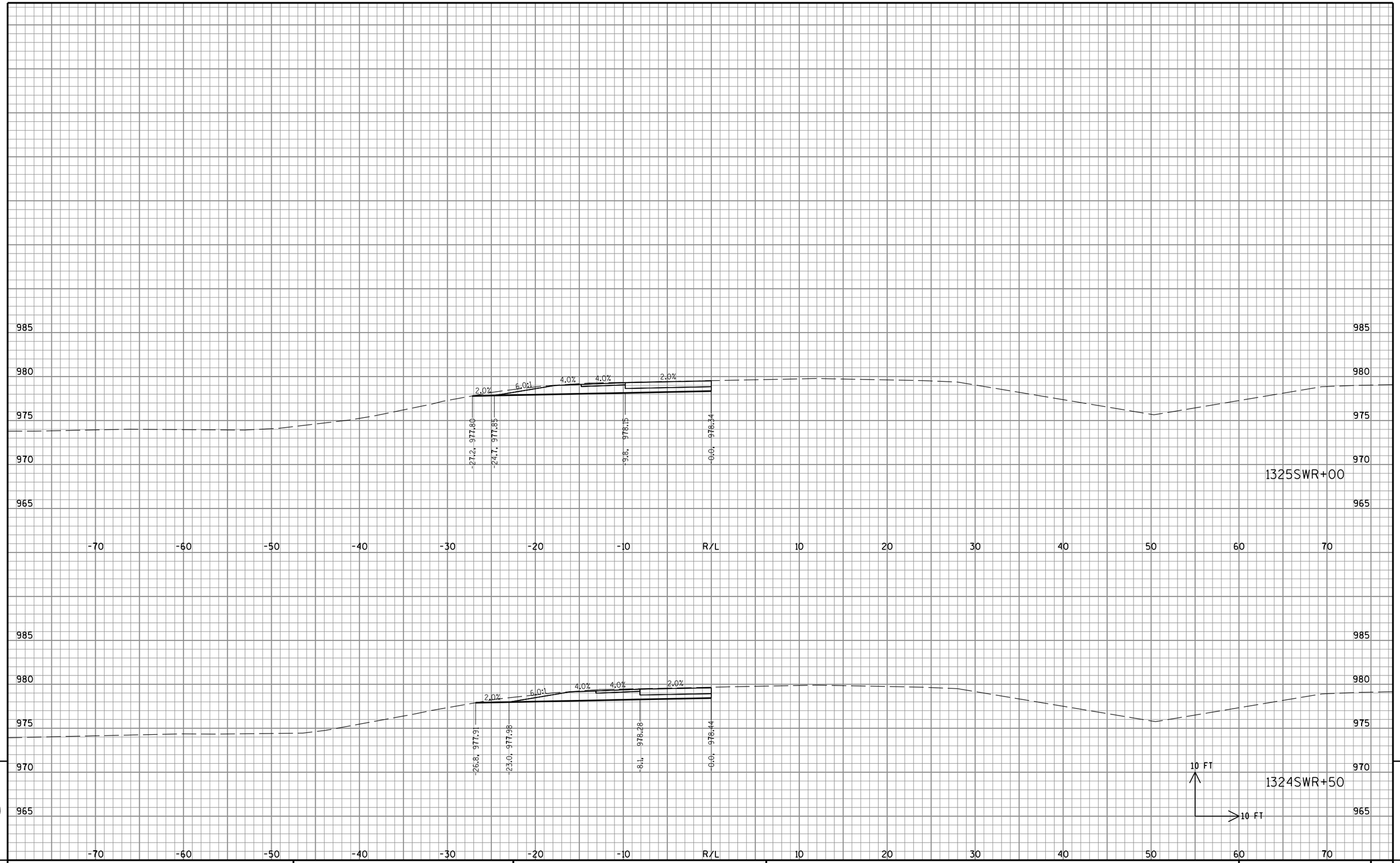
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

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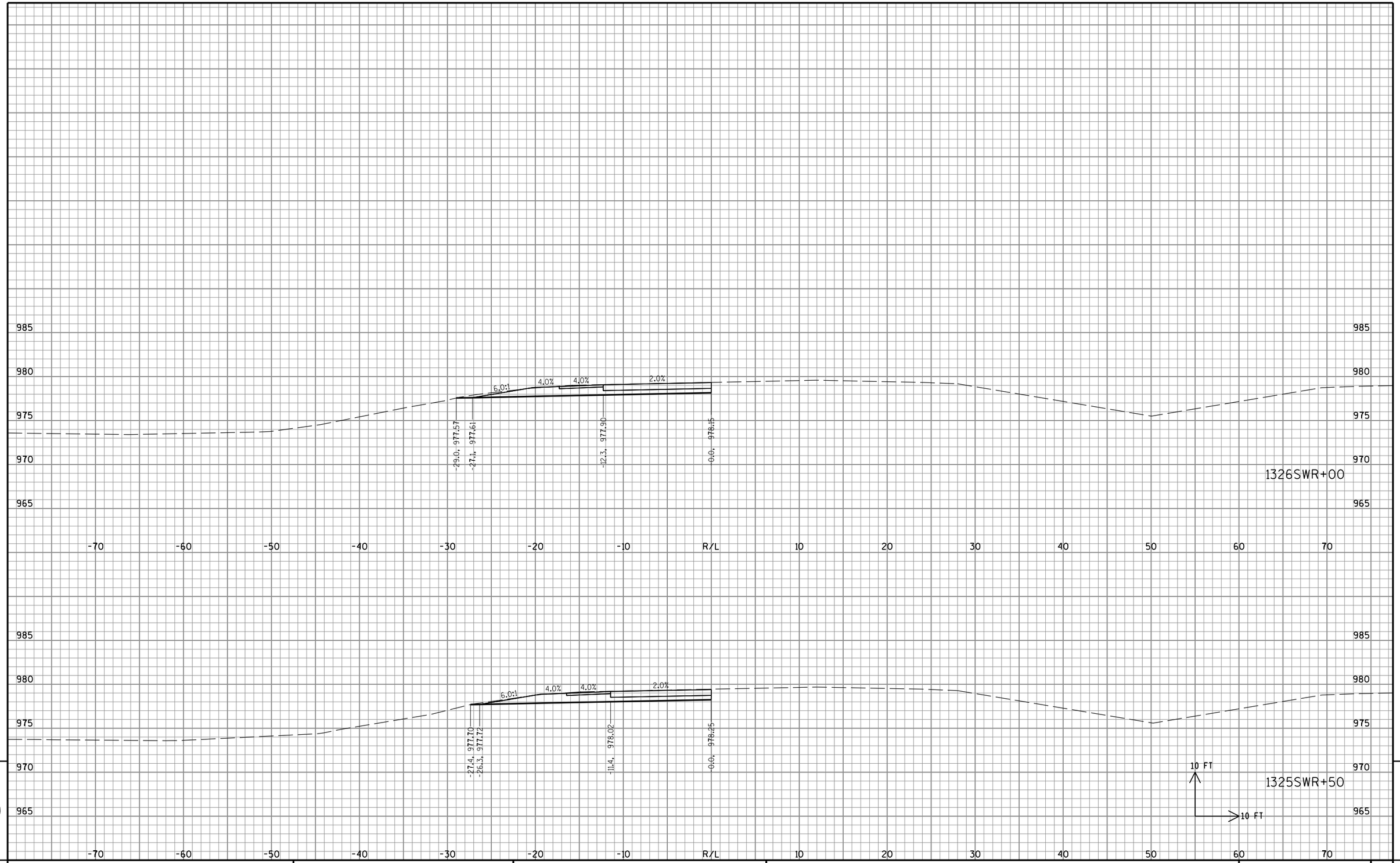
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PRE_402



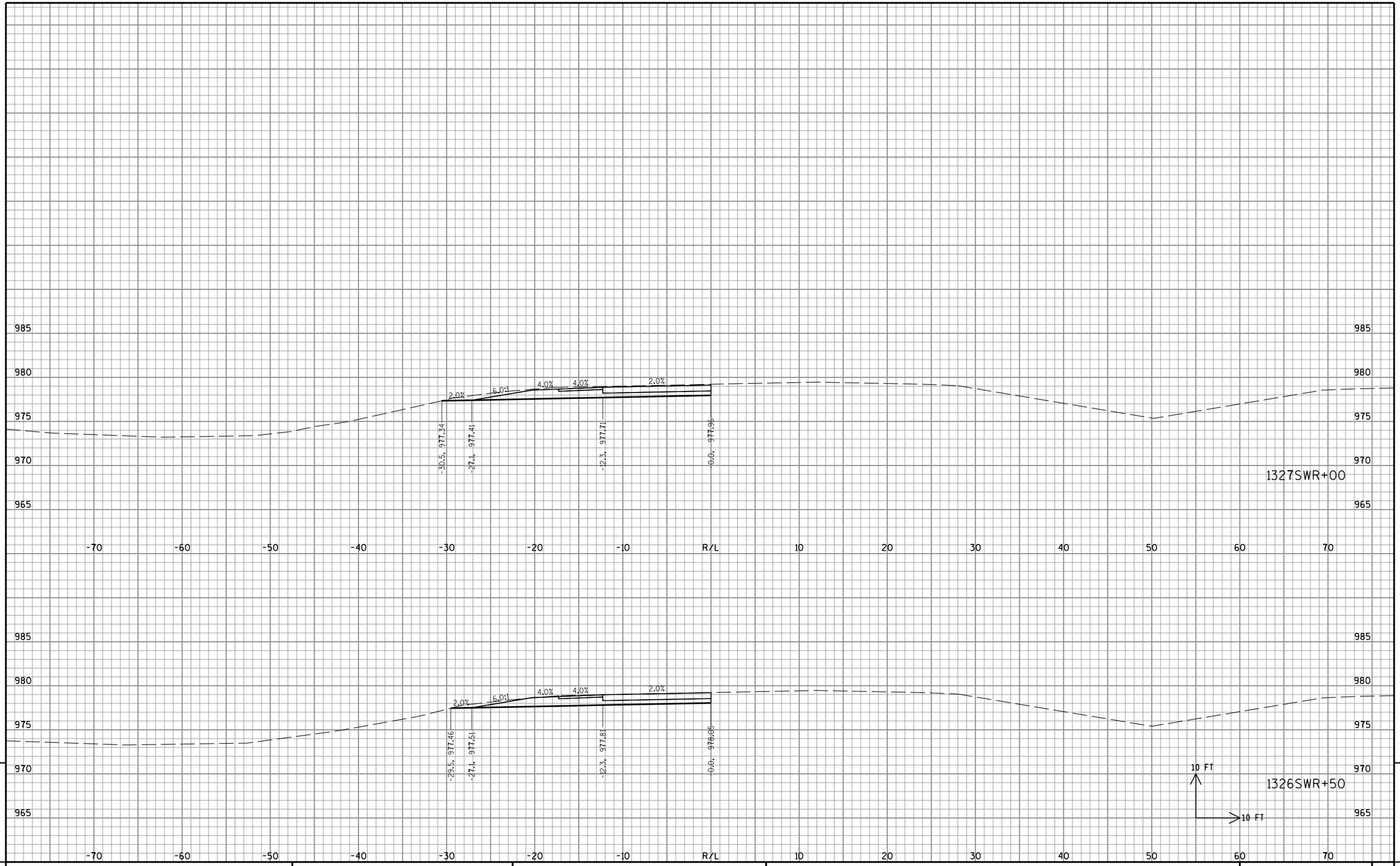
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_403 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_404 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

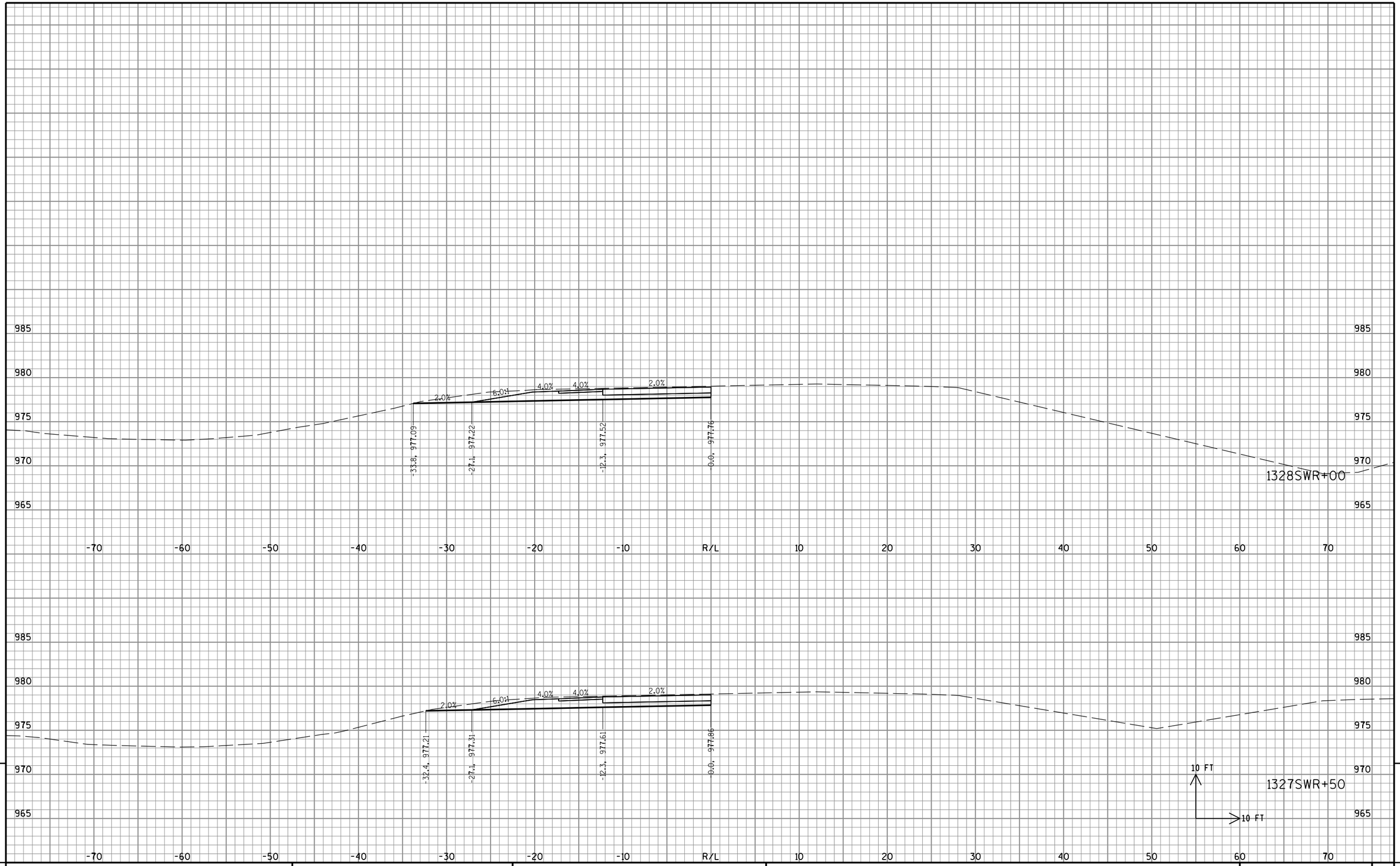


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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_405 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

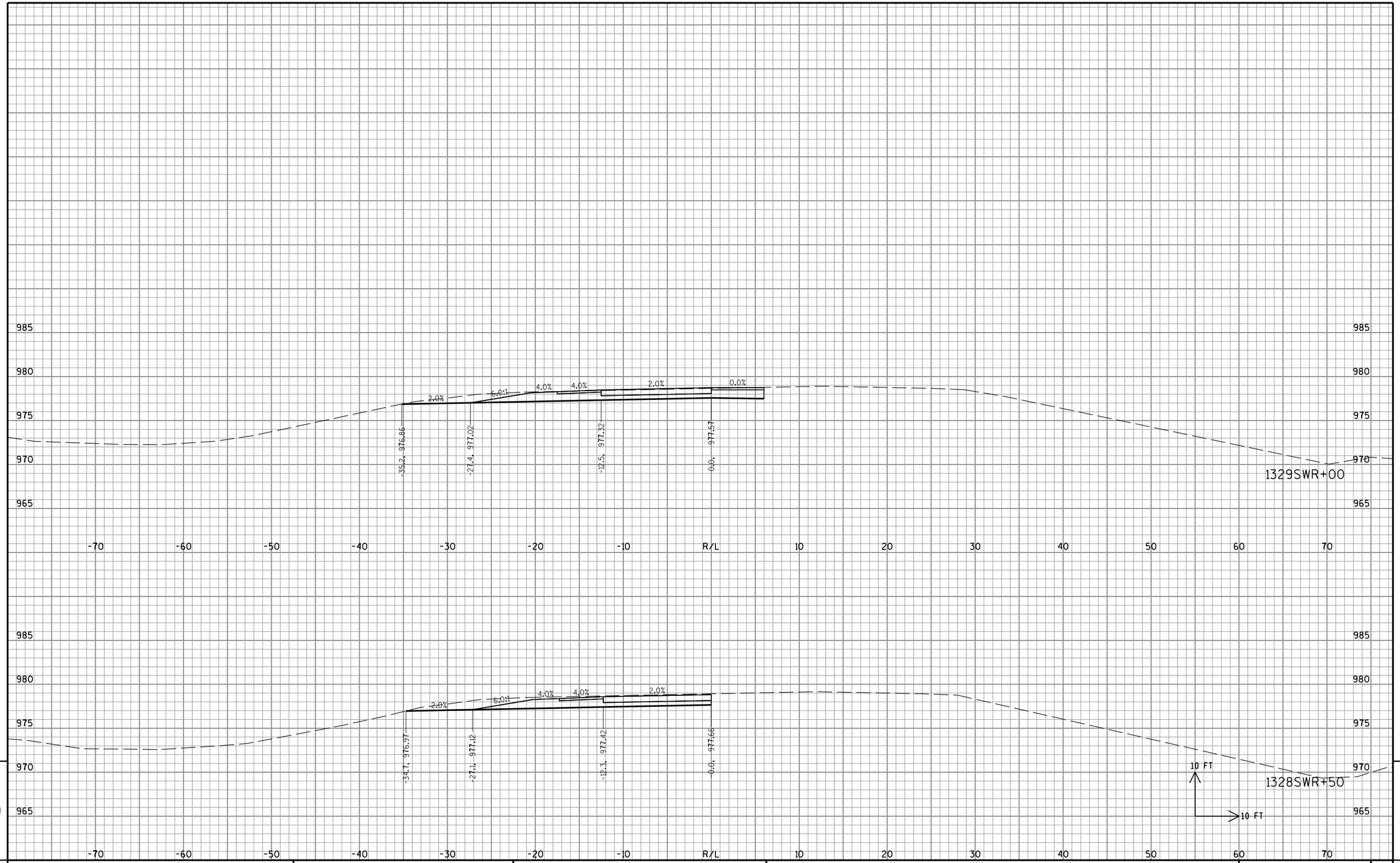


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10

PRE_406

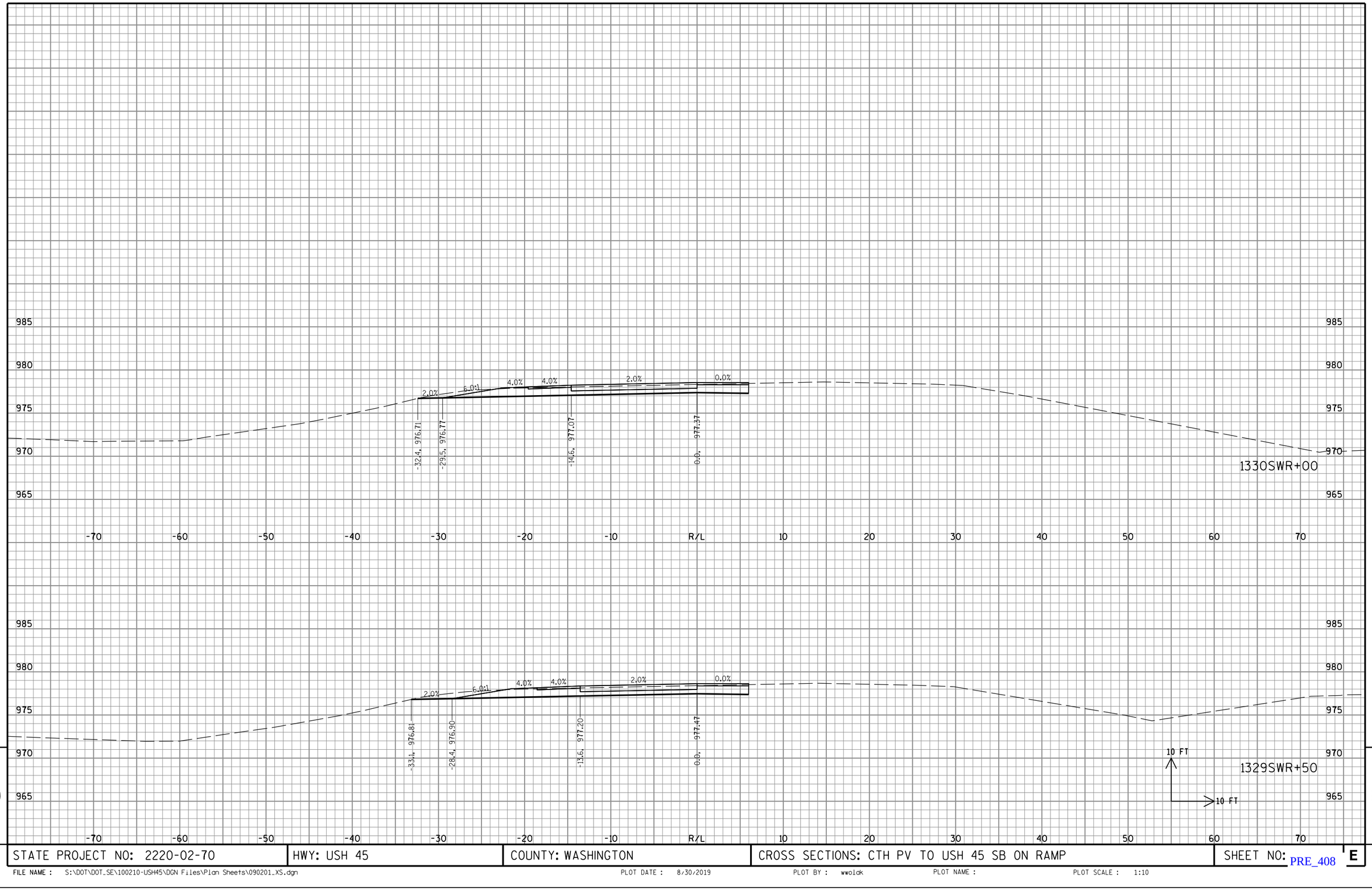


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_407



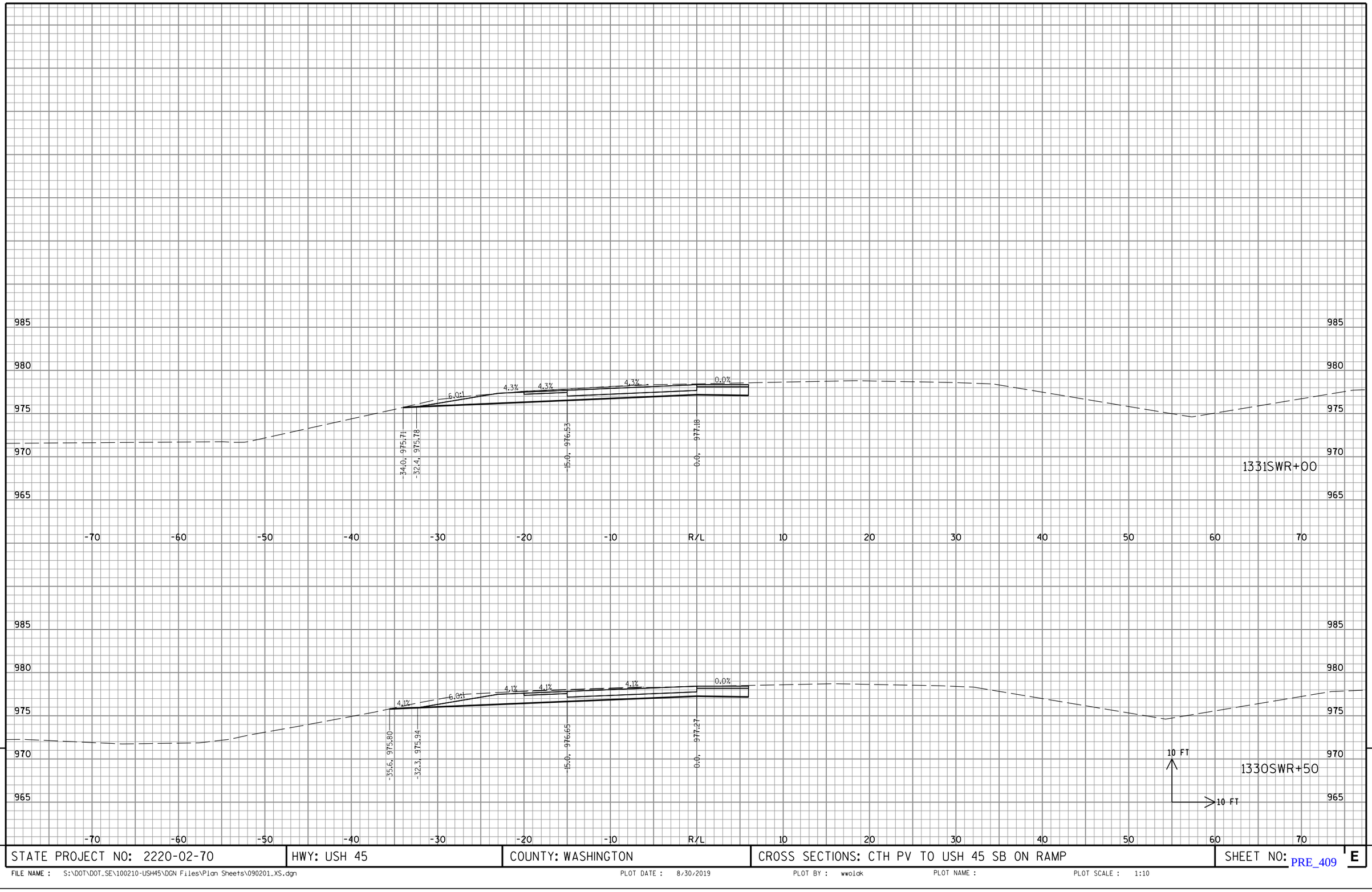
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_408

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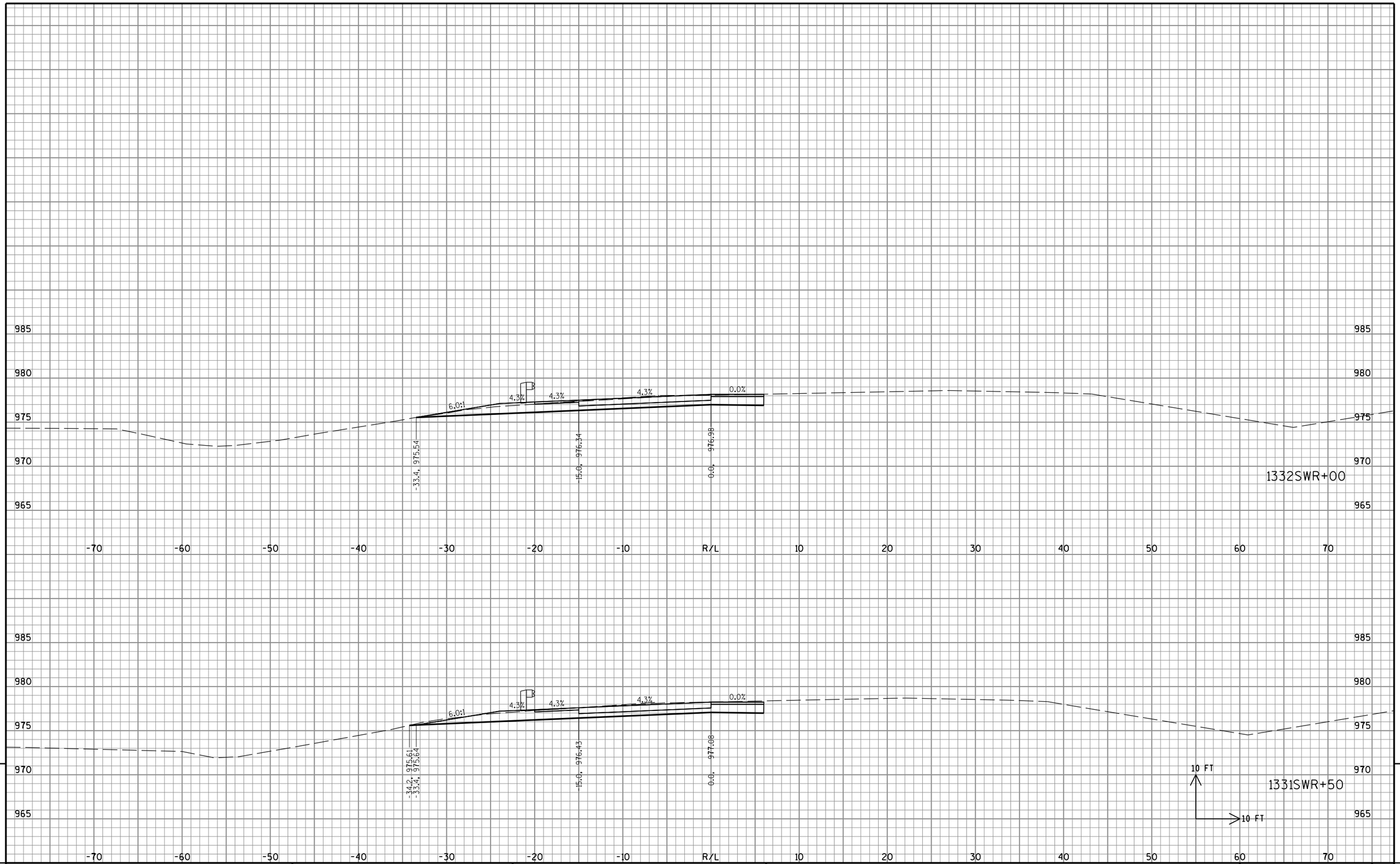
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

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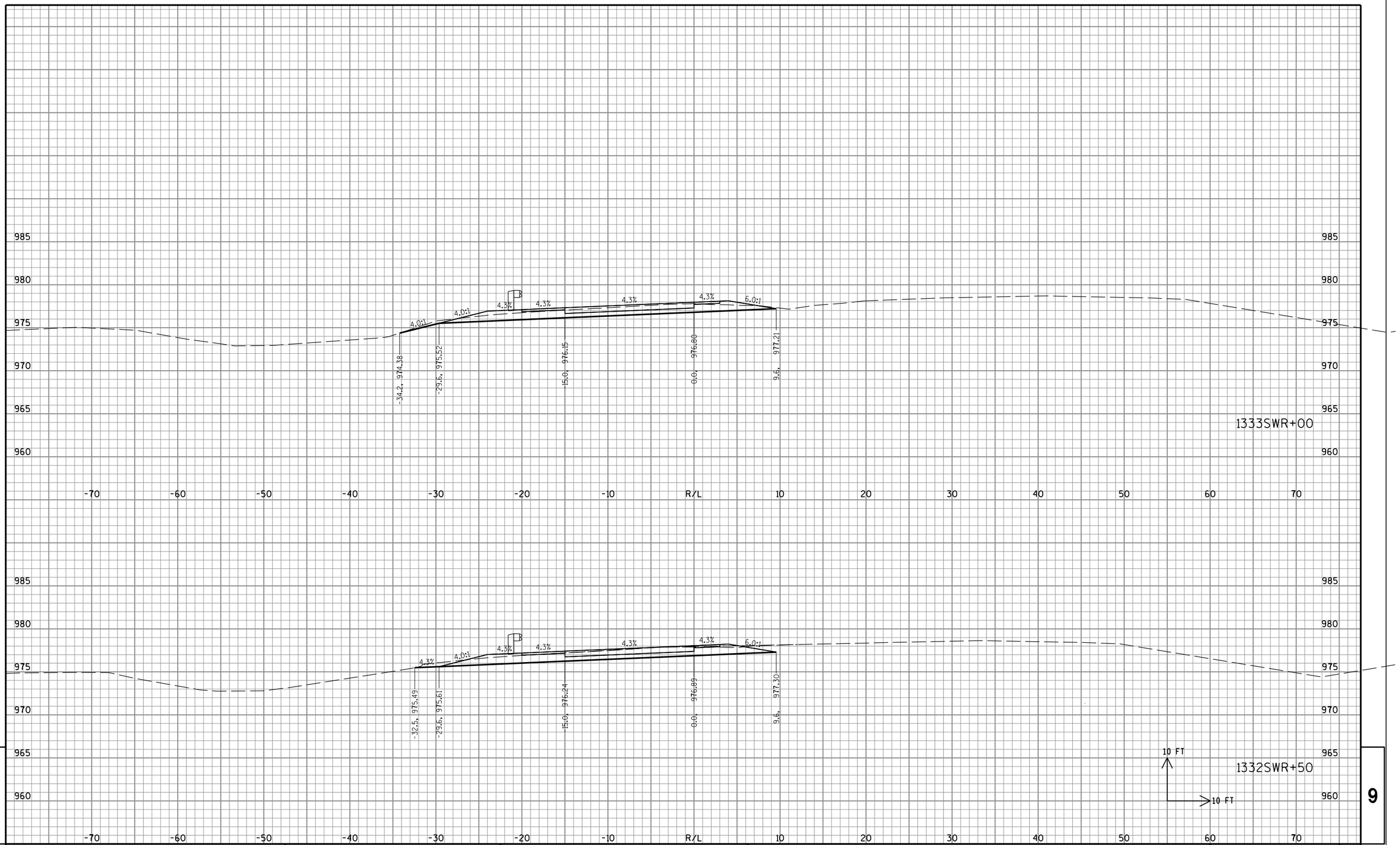
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PRE_409



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_410 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

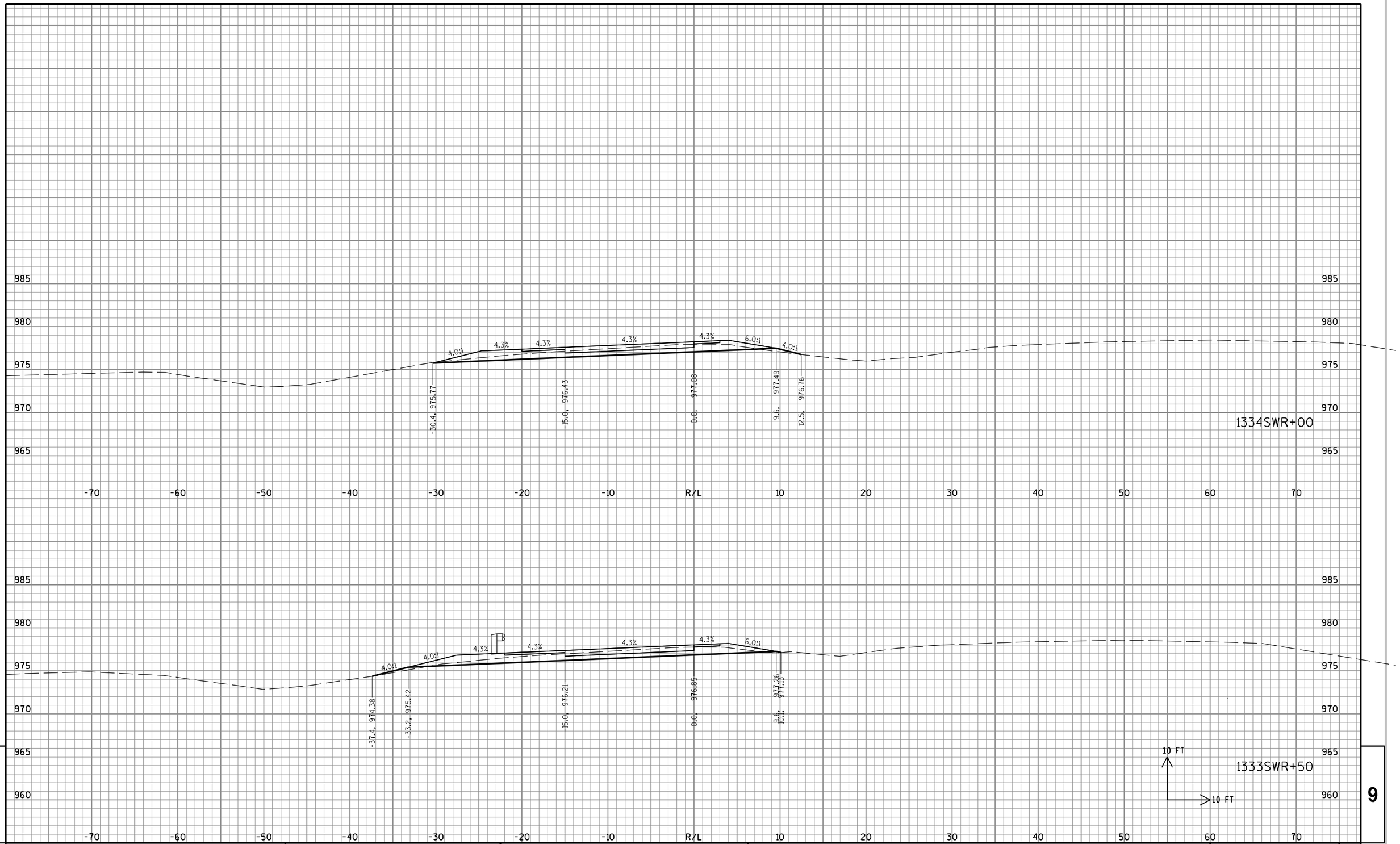


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_411 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

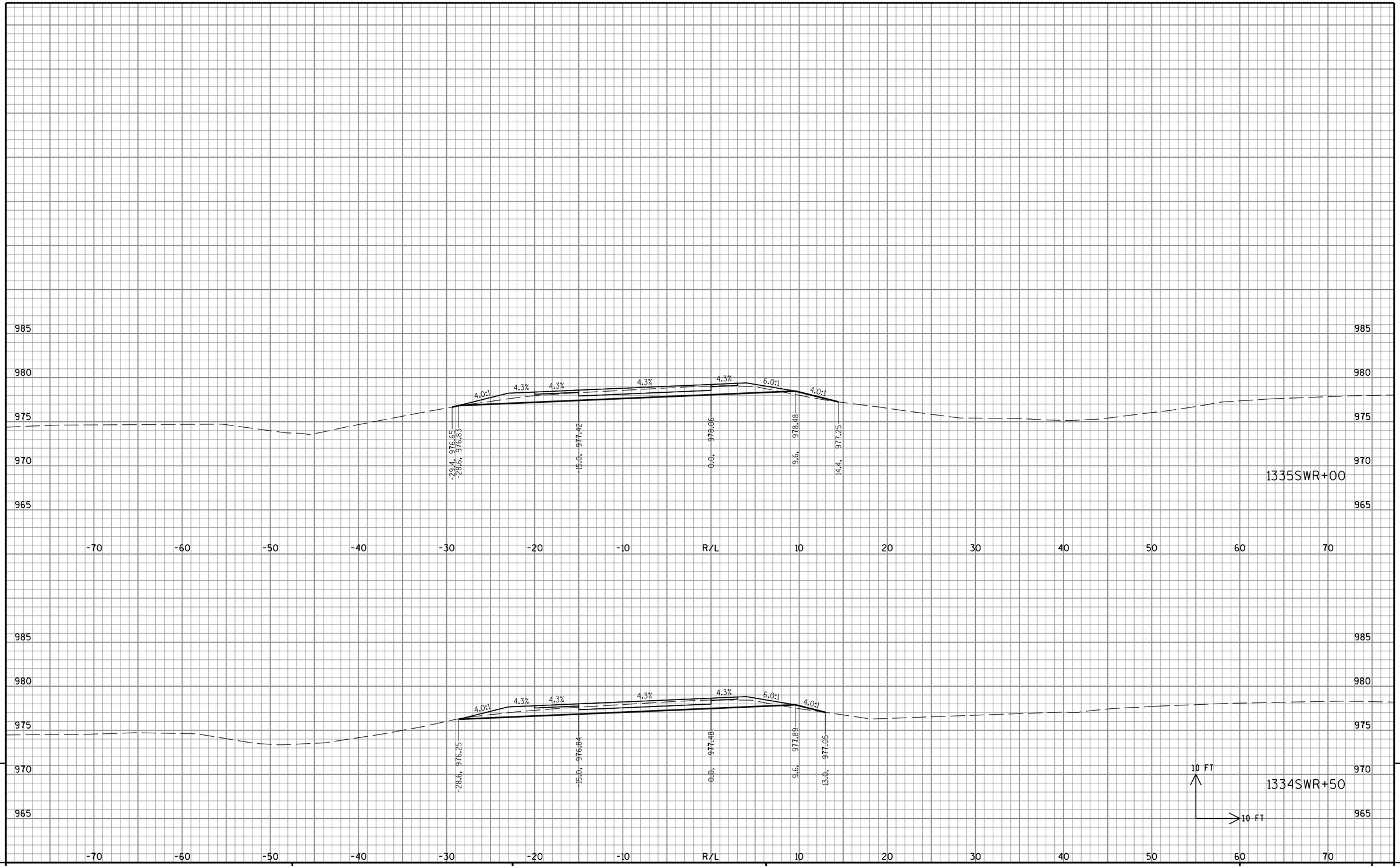


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

PRE_412

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



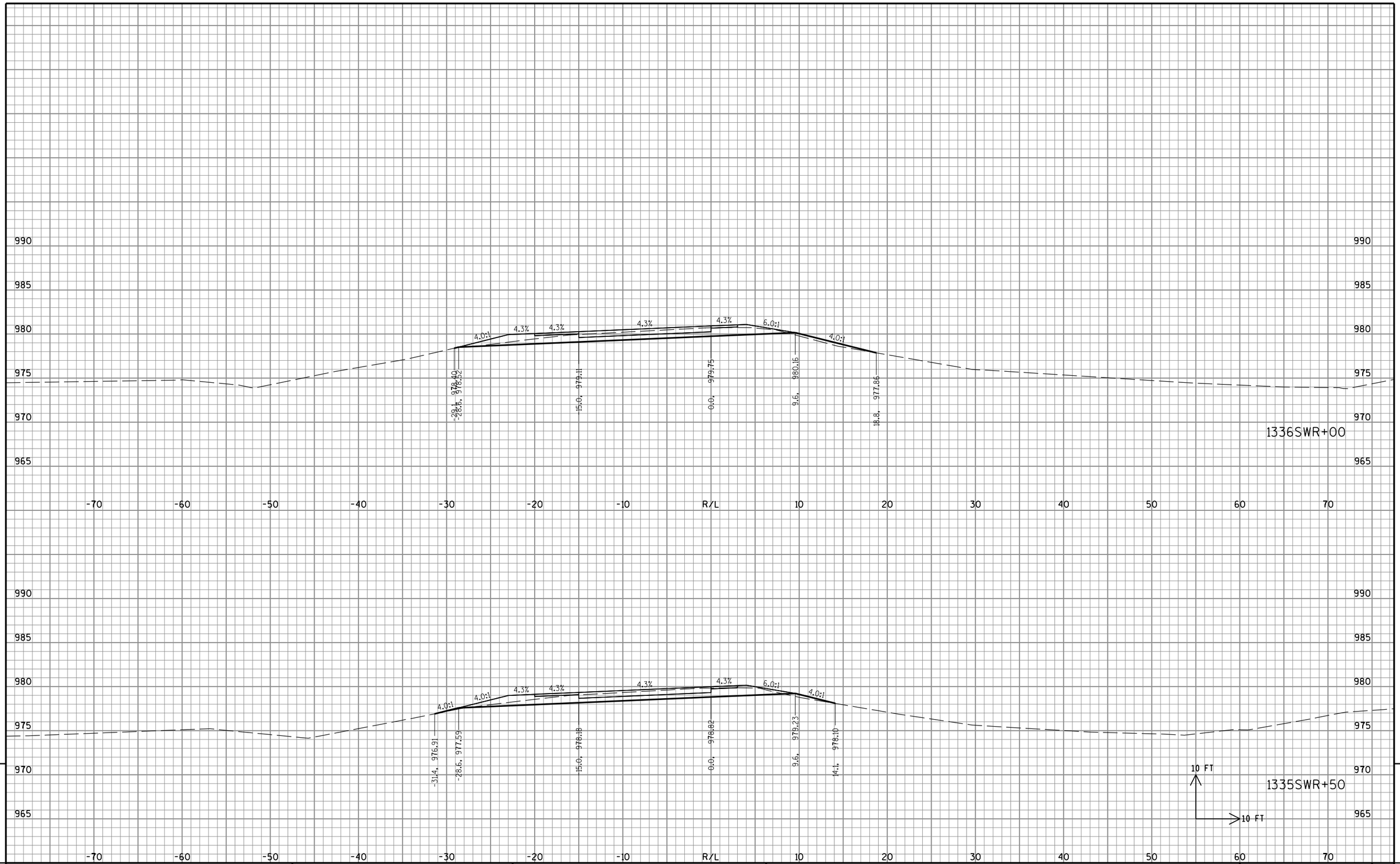
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10

PRE_413

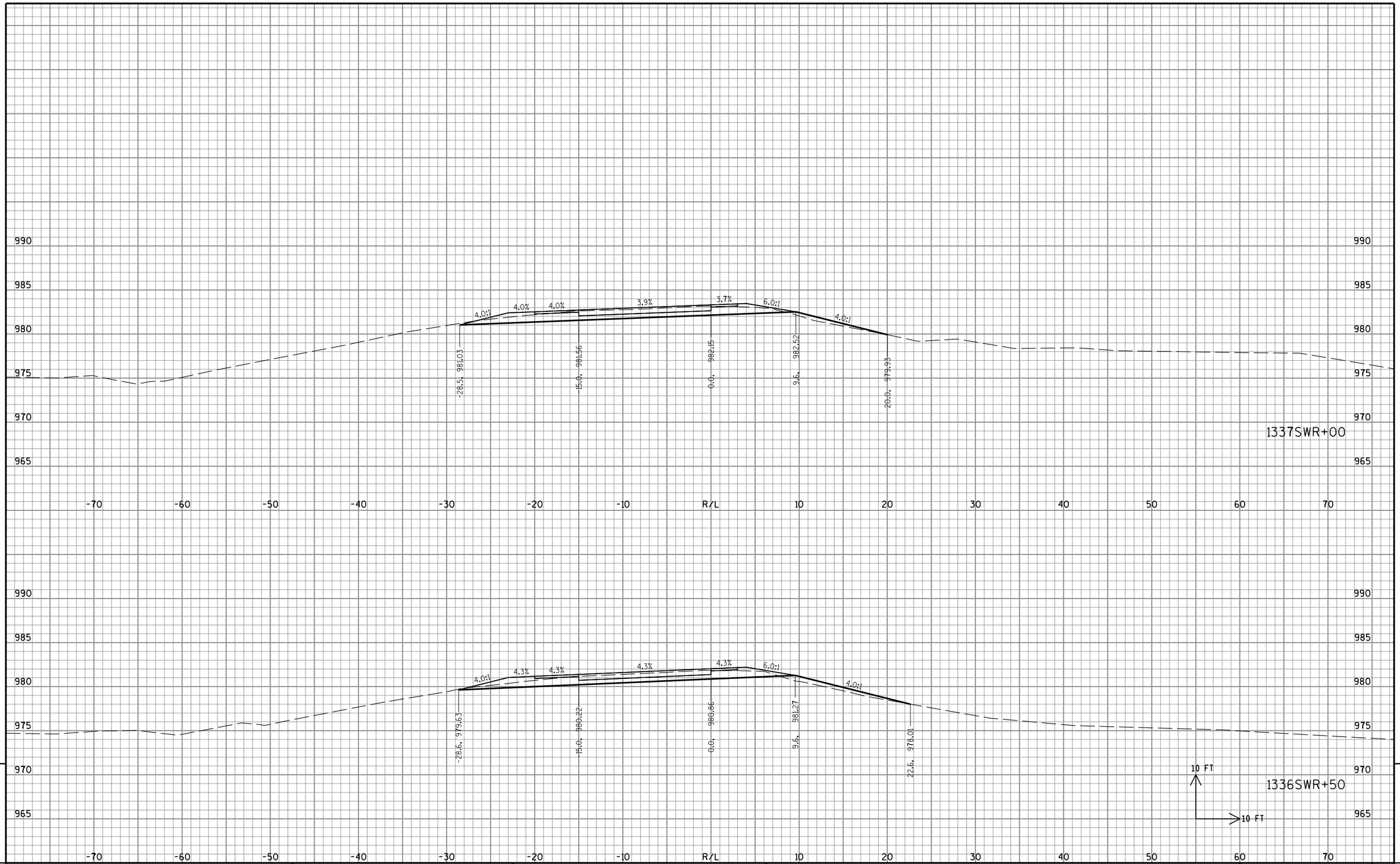
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_414 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



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9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: PRE_415 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

995
990
985
980
975
970
965

2.9% 5.3:1 5.4:1 4.6:1 4.0:1 4.5:1 4.7:1 4.6:1 4.0:1 4.0% 2.0% 2.9% 5.5:1 9.8% 7.3% 3.9% 1.5% 2.7% 1.3%

-27.4, 984.69 -15.0, 984.93 0.0, 985.23 9.3, 985.42

1338SWR+00

-70 -60 -50 -40 -30 -20 -10 R/L 10 20 30 40 50 60 70

0.1:1 0.1:1 0.1:1 0.2:1

-27.4, 983.04 -15.0, 983.31 0.0, 983.61 10.0, 983.81 17.0, 982.05

1337SWR+50

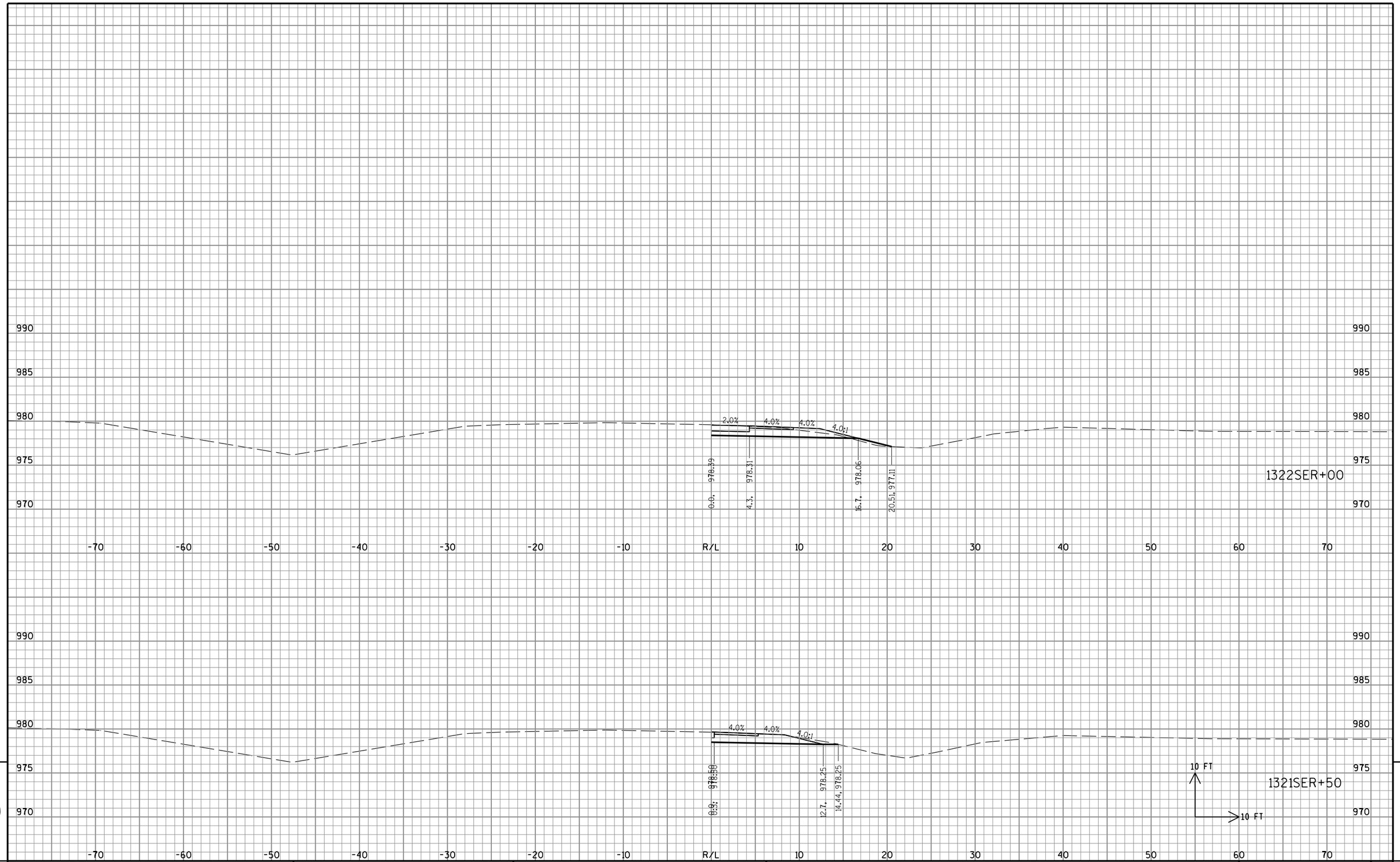
10 FT
10 FT

9 9

STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: CTH PV TO USH 45 SB ON RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_416

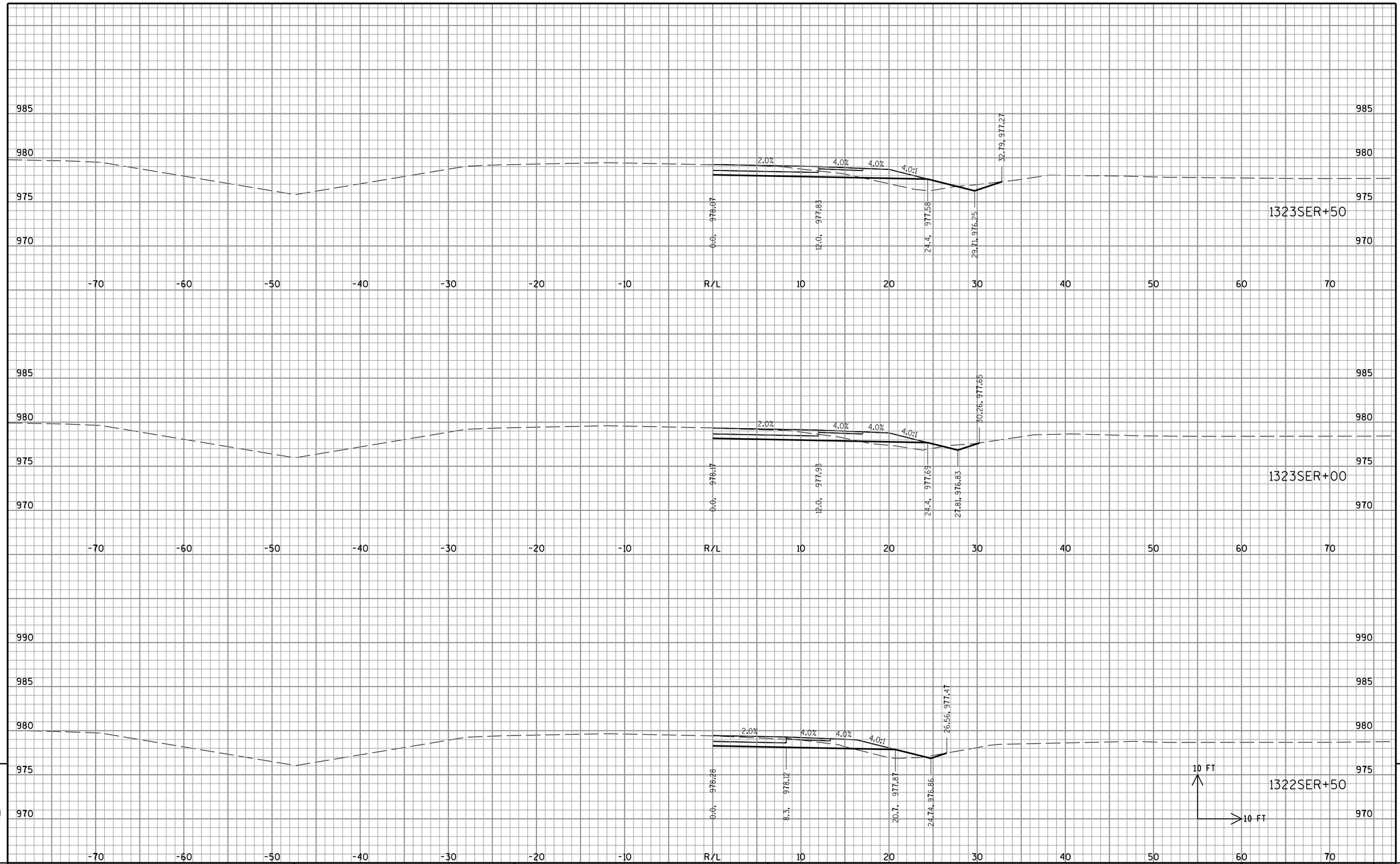


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: PRE_417 E

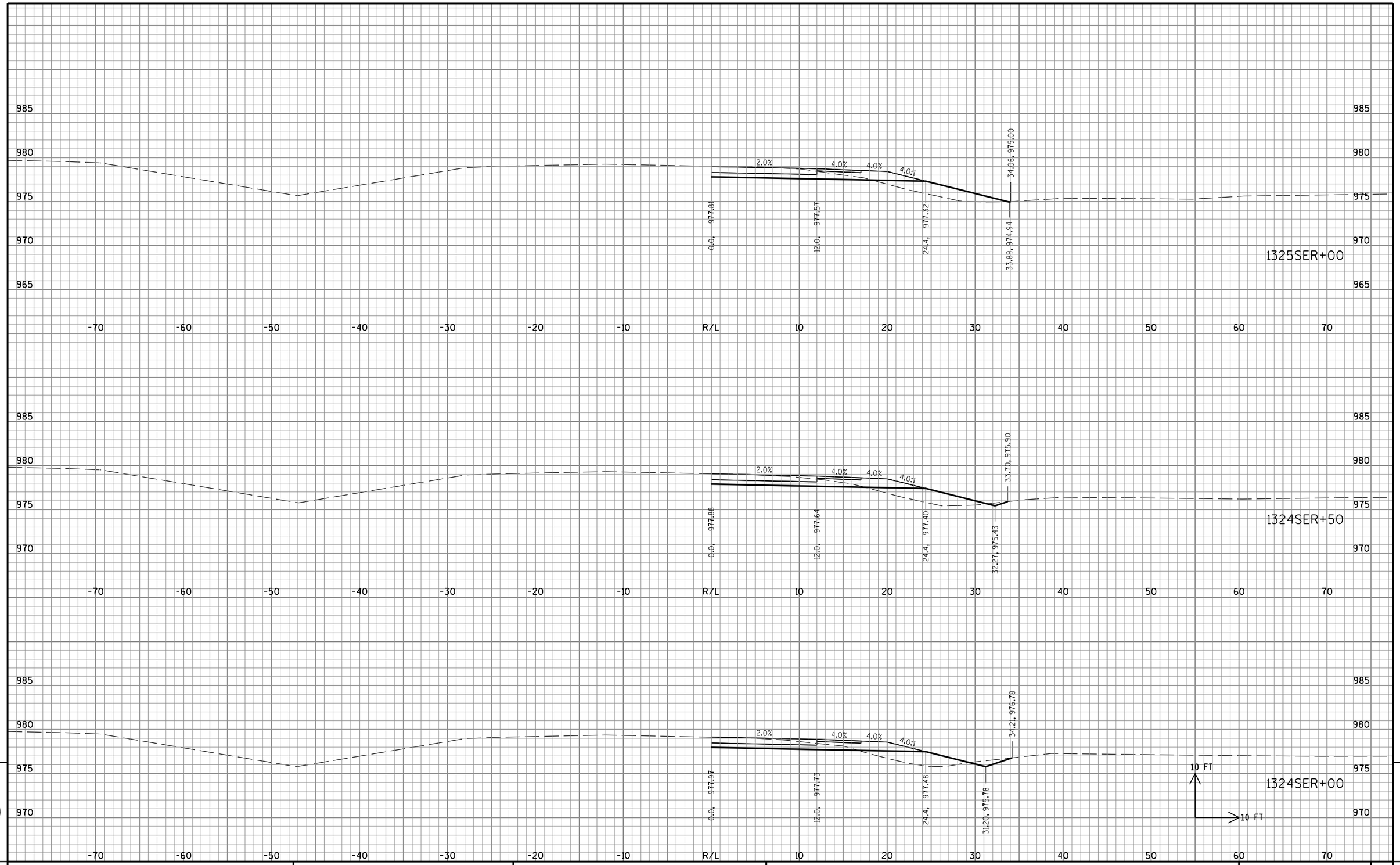
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FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



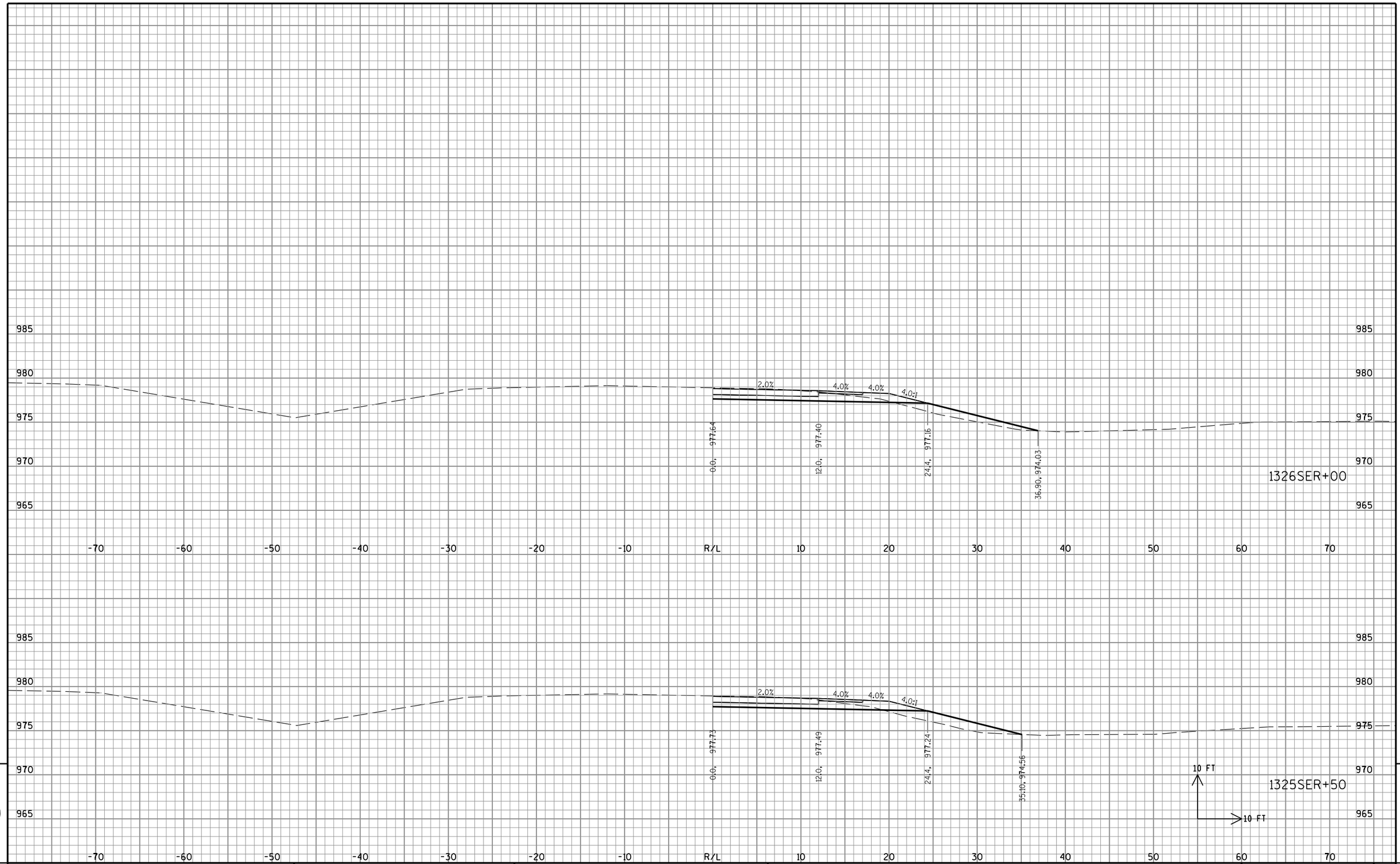
STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: PRE_418 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: PRE_419 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolck PLOT NAME : PLOT SCALE : 1:10

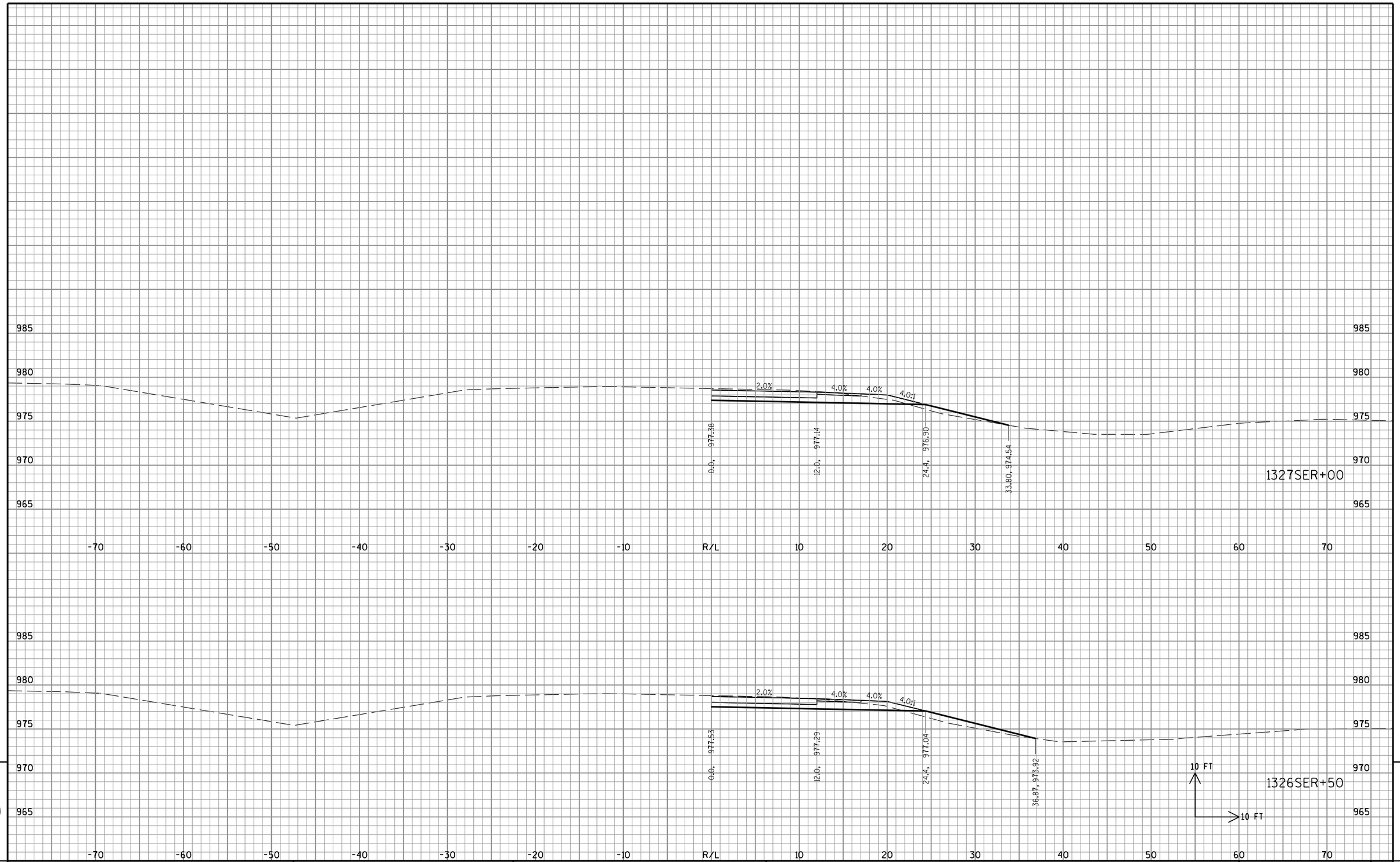


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: PRE_420 E

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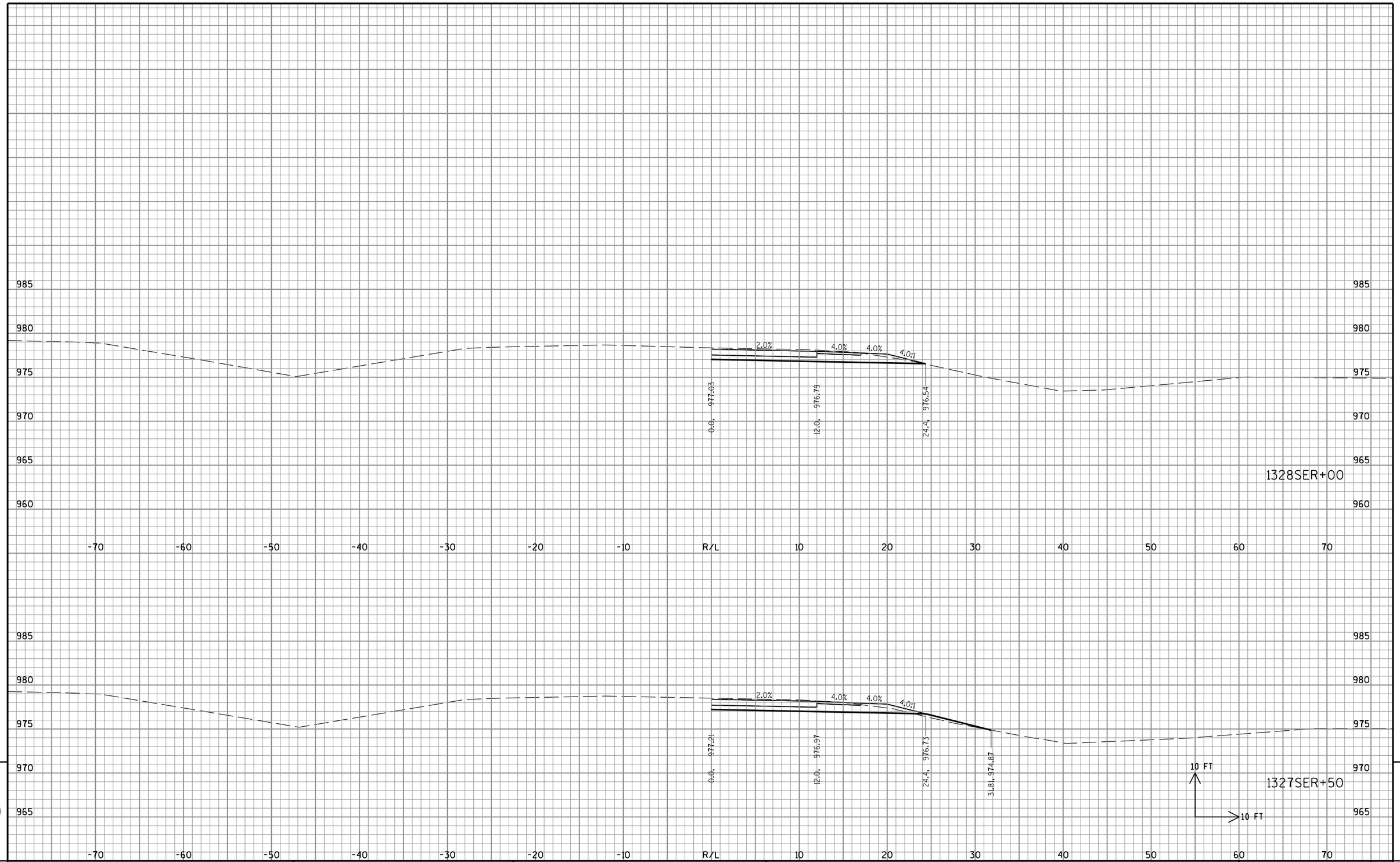
FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_421



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_422



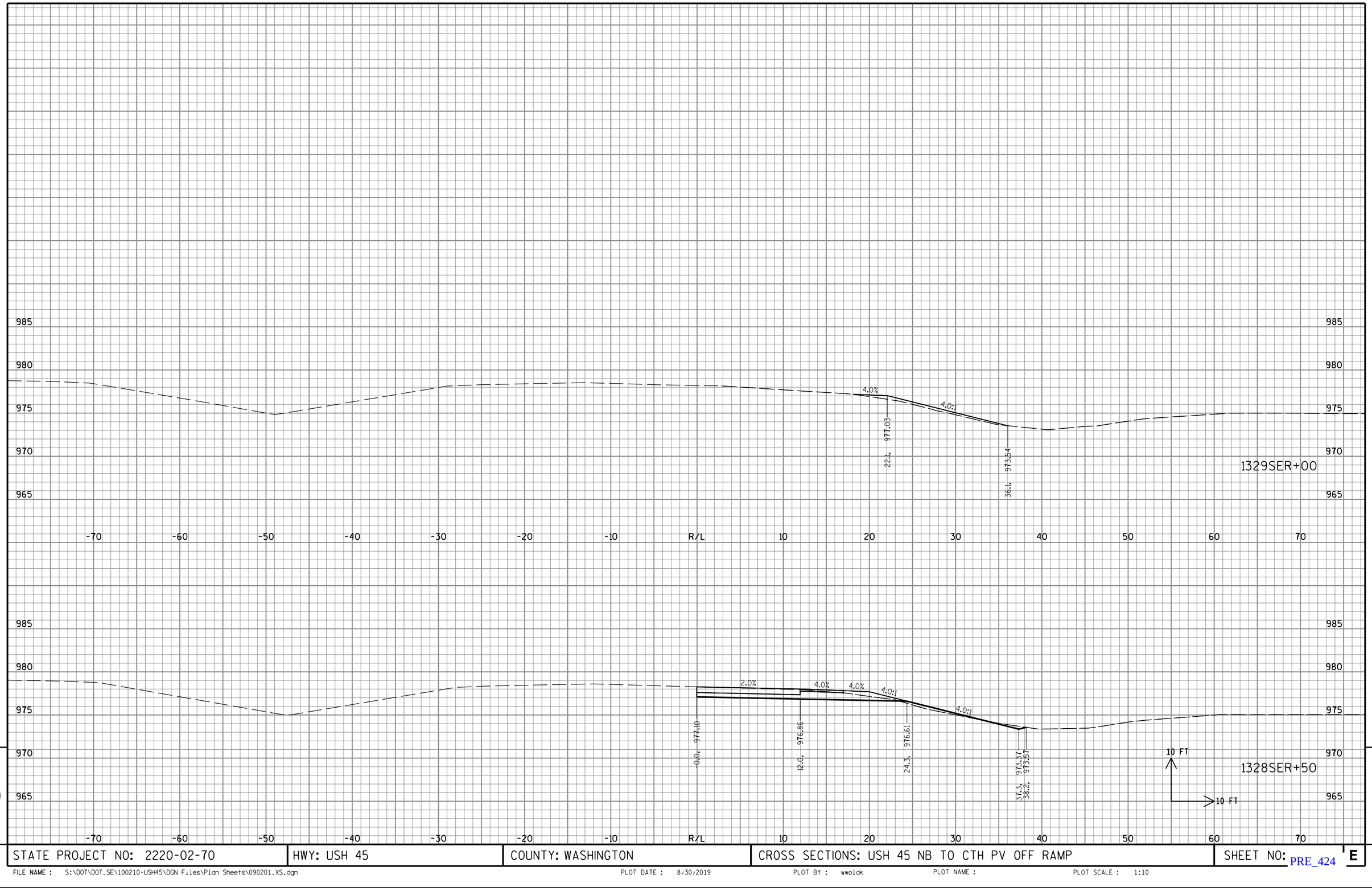
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

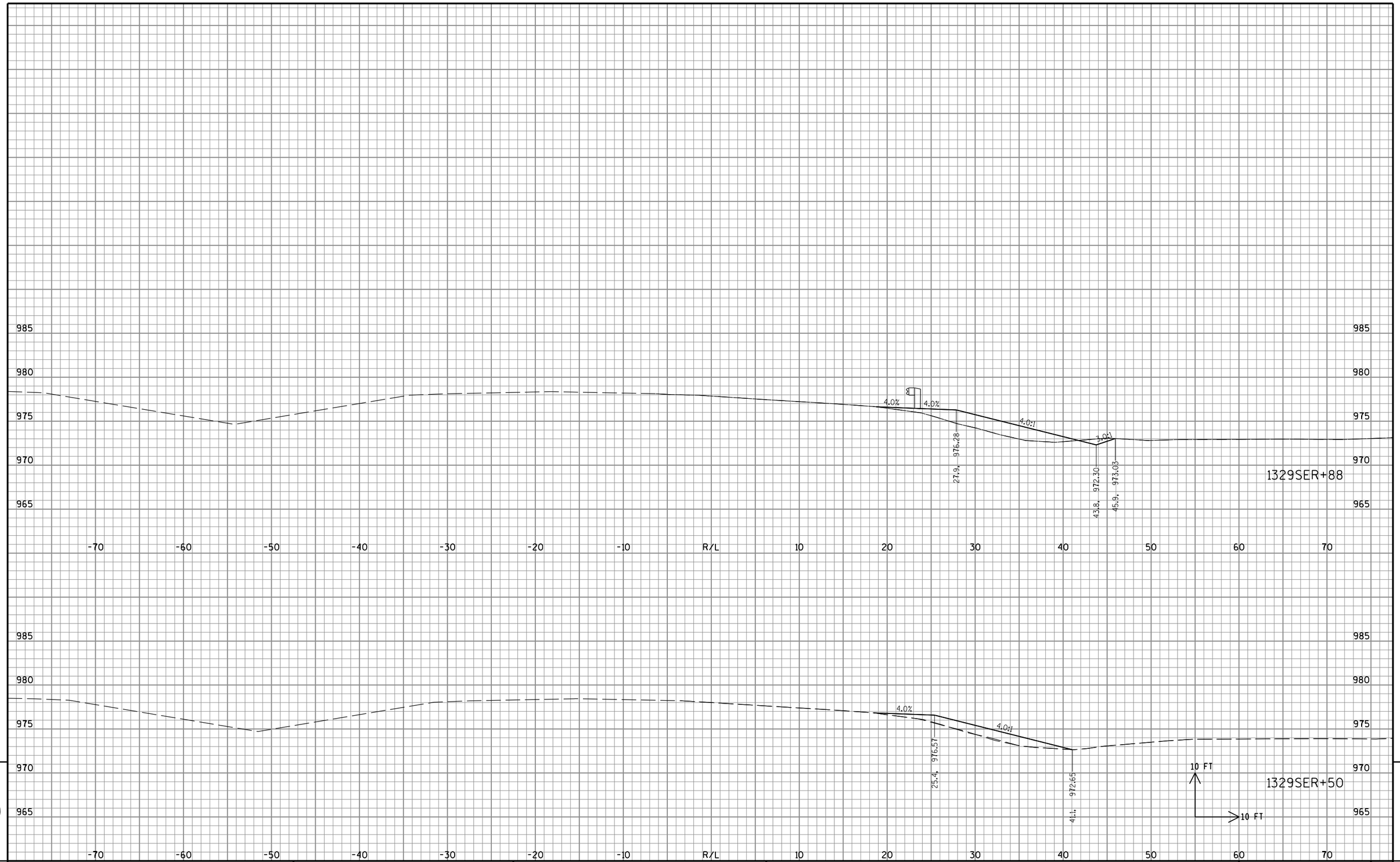
PRE_423



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_424

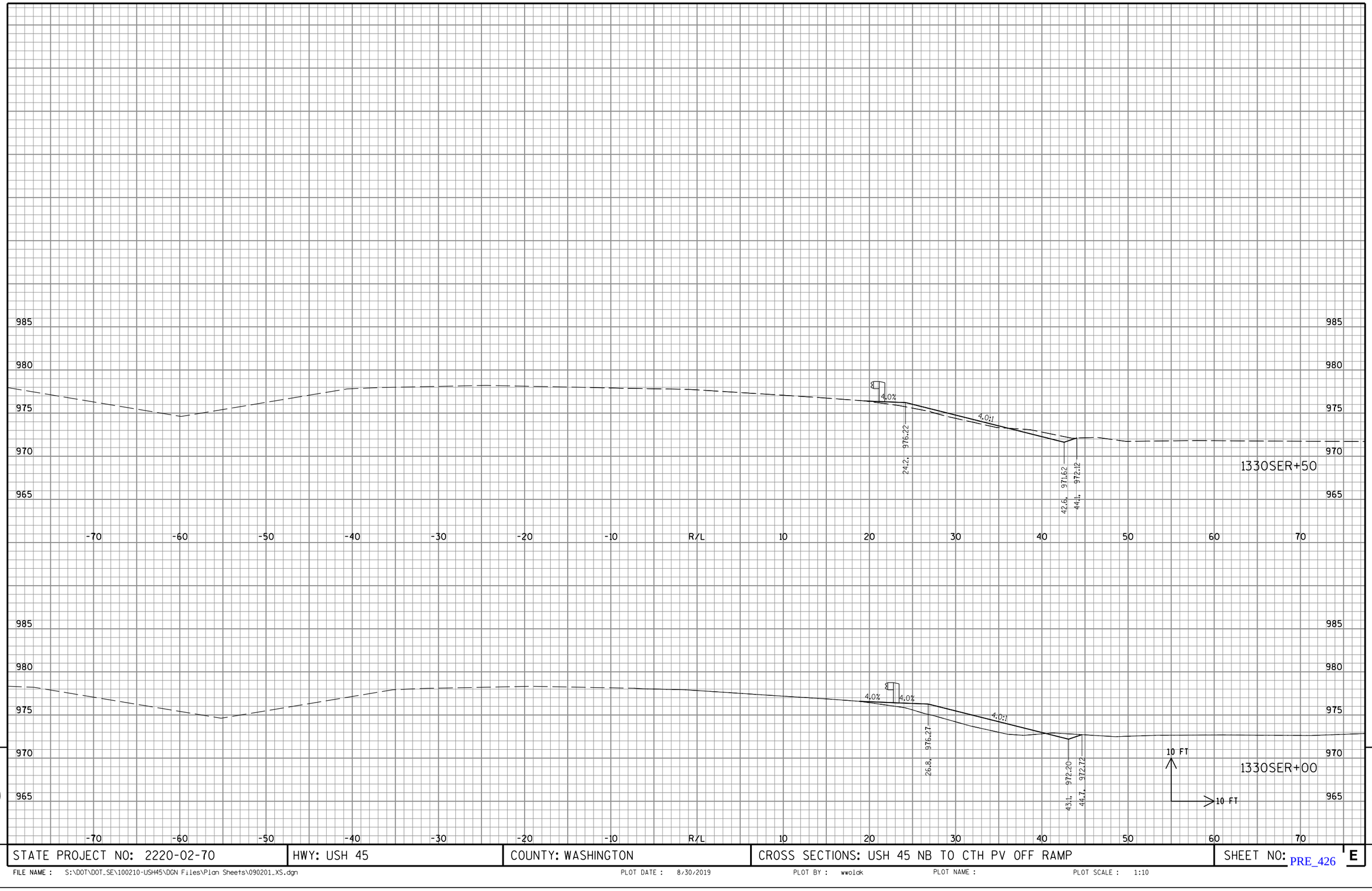


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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: PRE_425 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



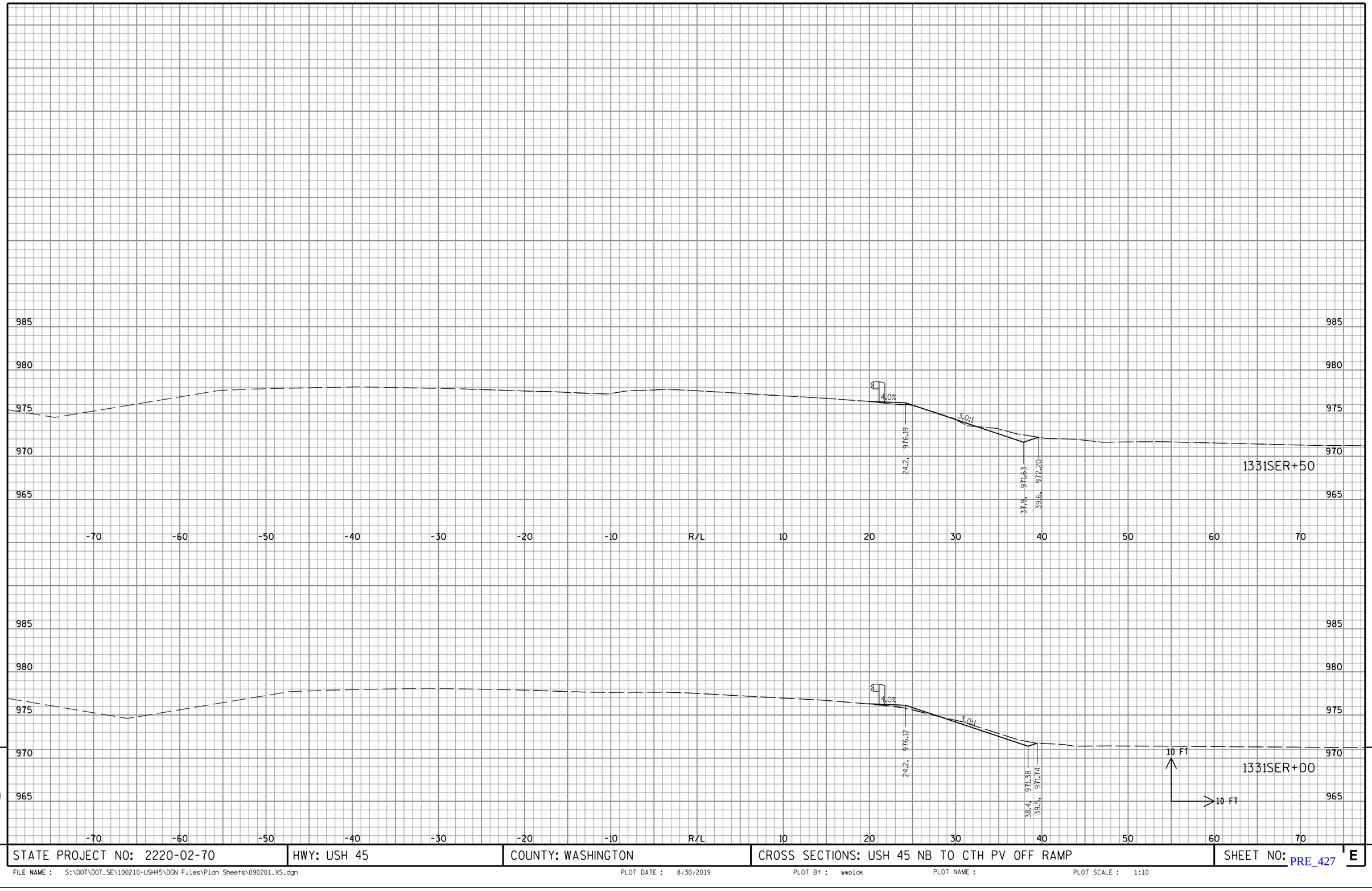
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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: E

9

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_426



STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: PRE_427 E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10



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STATE PROJECT NO: 2220-02-70	HWY: USH 45	COUNTY: WASHINGTON	CROSS SECTIONS: USH 45 NB TO CTH PV OFF RAMP	SHEET NO: E

FILE NAME : S:\DOT\DOT_SE\100210-USH45\DGN Files\Plan Sheets\090201_XS.dgn PLOT DATE : 8/30/2019 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:10

PRE_428

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

Notes

- Acrobat 5 or higher is required to Insert Preliminary Sheet Numbers.
- The Bureau of Highway Construction Plan Examiner 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 (Preliminary_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 the 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