MAD

JANUARY 2021

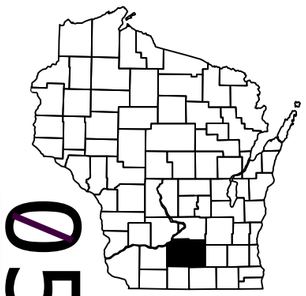
PROJECT ID: 5310-02-76

COUNTY: DANE

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 = 596



05

N

DESIGN DESIGNATION

A.A.D.T.	(2021)	= 11,900
A.A.D.T.	(2041)	= 13,700
D.H.V.		= 1470
D.D.		= 60/40
T.		= 16.5%
DESIGN SPEED		= 50 MPH/35 MPH
ESALS		= 3,700,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SPRING GREEN - MADISON

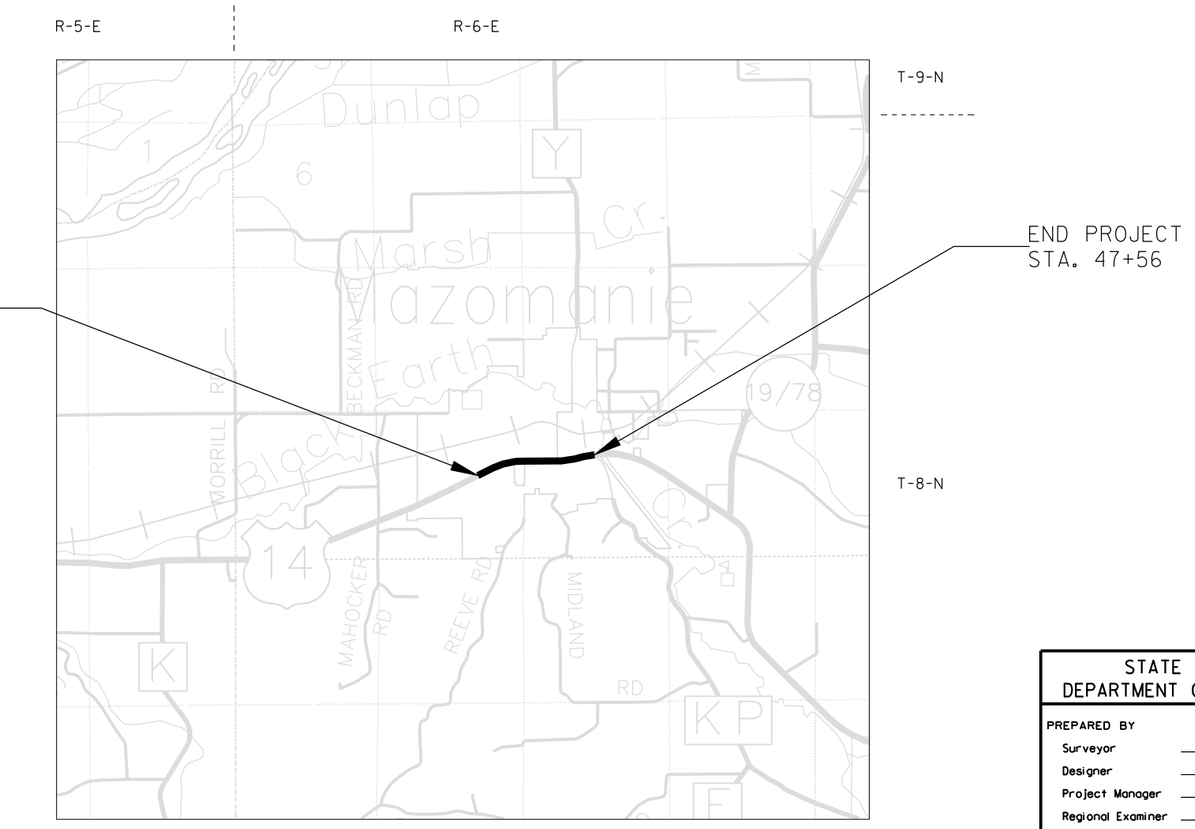
WALTER ROAD TO CTH KP

USH 14

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5310-02-76	WISC 2021077	1

STATE PROJECT NUMBER
5310-02-76



BEGIN PROJECT
STA. 6+85.72
X=709,237.1483
Y=518,129.3748

END PROJECT
STA. 47+56

LAYOUT
SCALE 0 1/2 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.797 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF NGVD29

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SW REGION
Designer	CHARLENE SCHMID, PE
Project Manager	AMY COUGHLIN, PE
Regional Examiner	SW REGION
Regional Supervisor	BRENDA SCHOENFELD, PE

APPROVED FOR THE DEPARTMENT

DATE: 7/29/2020 Amy Coughlin (Signature)

E

GENERAL NOTES:

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

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER

ANY EXISTING SIGN REMOVALS NOT CALLED OUT ON THE PERMANENT SIGNING & MARKING DETAILS SHALL BE REMOVED AND SALVAGED BY THE VILLAGE OF MAZOMANIE UPON CLOSURE OF THE STREET. THE CONTRACTOR SHALL CONTACT MAZOMANIE PUBLIC WORKS 7 DAYS PRIOR TO THE NEED TO REMOVE VILLAGE SIGNS.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING WITH CLASS I URBAN EROSION MAT ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

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

SIDEWALK REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER. MATCH EXISTING SIDEWALK WIDTH.

CONTRACTOR SHALL VERIFY UTILITY DEPTHS AT ALL PROPOSED CONNECTION POINTS TO EXISTING SYSTEMS.

TEMPORARY PAVEMENT MARKING TO BE PLACED ON ANY SURFACE WHICH WILL NOT BE REMOVED OR PAVED OVER WITH THIS PROJECT SHALL CONSIST OF REMOVABLE TAPE.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

THE REMOVAL OF CONCRETE DRIVEWAYS SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE ITEM OF REMOVING CONCRETE SIDEWALK.

SAWCUTS, AS SHOWN ON THE PLANS, ARE AT SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, OR PASSING LANE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

CURB AND GUTTER PLAN GRADES ARE AT THE FLAG UNLESS OTHERWISE NOTED.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLAG OF THE CURB.

INLETS SHALL BE COVERED AS NECESSARY TO PREVENT CONSTRUCTION MATERIALS FROM FALLING INTO THE INLETS.

TOPSOIL SHALL BE PLACED 1 INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.

ALL MANHOLE AND INLET OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.

USH 14 IS A DESIGNATED OSOW TALL ROUTE AND REQUIRES A 20 FOOT VERTICAL CLEARANCE.

UTILITIES:

KEVIN ZICKERT
CENTURYLINK - COMMUNICATION LINE
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
(262) 392-5200
KEVIN.ZICKERT@CENTURYLINK.COM

SHAUN ENDRES
MADISON GAS AND ELECTRIC COMPANY - GAS/PETROLEUM
P.O. BOX 1231
MADISON, WI 53701-1231
(608) 252-7224
SENDRES@MGE.COM

LUKAS LACROSSE
CHARTER COMMUNICATIONS - COMMUNICATION LINE
2701 DANIELS ST
MADISON, WI 53718
(608) 709-1562
LUKAS.LACROSSE@CHARTER.COM

SHAWN DILLEY
VANGUARD ELECTRIC
MAZOMANIE ELECTRIC UTILITY - ELECTRICITY
714 BLUE MOUNDS ST
BLACK EARTH, WI 53515
(608) 767-2561
SDILLEY@BLACKEARTHWISCONSIN.COM

MARK GEISLER
VILLAGE OF MAZOMANIE - SEWER
133 CRESCENT ST
P.O. BOX 26
MAZOMANIE, WI 53560
(608) 795-2100
MGEISLER@VILLAGEOFMAZOMANIE.COM

MARK GEISLER
VILLAGE OF MAZOMANIE - WATER
133 CRESCENT ST
P.O. BOX 26
MAZOMANIE, WI 53560
(608) 795-2100
MGEISLER@VILLAGEOFMAZOMANIE.COM

OTHER AGENCIES

DNR LIASON

ERIC HEGGELUND
3911 FISH HATCHERY ROAD
MADISON, WI. 53711
(608) 275-3301
ERIC.HEGGELUND@WISCONSIN.GOV

WISDOT REGION CONTACT

AMY COUGHLIN, P.E.
WISDOT SOUTHWEST REGION
MADISON OFFICE
2101 WRIGHT ST.
MADISON, WI. 53704
(608) 245-5358
AMY.COUGHLIN@DOT.WI.GOV

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
STRUCTURE APPROACH DETAILS
PLAN DETAILS
REMOVAL DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER PLAN
PERMANENT SIGNING & PAVEMENT MARKING
LIGHTING PLAN
TRAFFIC SIGNAL
TRAFFIC CONTROL & CONSTRUCTION STAGING
DETOUR PLANS

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

2

2

N

END RECONSTRUCTION LIMITS
STA. 47+56.00

USH 14 / COMMERCIAL ROAD

WALTER ROAD

RIDGE ROAD

REEVE ROAD

WALL STREET

N CROCKER STREET

N SCOTT STREET

N BRODHEAD STREET

N ELDRED STREET

N CRAMER STREET

CTH KP

LAKE MARION TRAIL

WISCONSIN AND SOUTHERN
RAILROAD COMPANY

PC: 8+63.18

PCC: 16+61.53

PT: 17+81.09

PC: 34+62.22

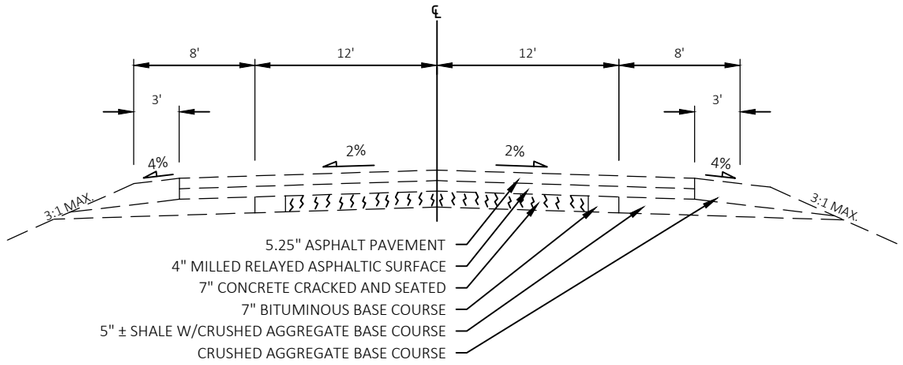
PT: 38+64.09

PC: 40+93.68

BEGIN RECONSTRUCTION LIMITS
END MILLING LIMITS
STA. 6+85.72

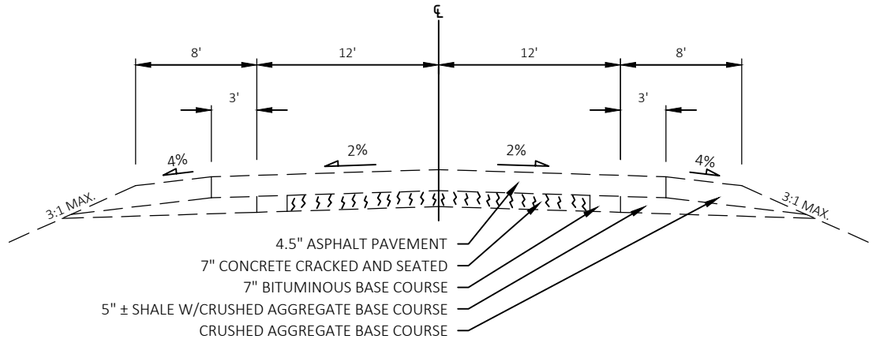
BEGIN MILLING LIMITS
STA. 6+10.00

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E



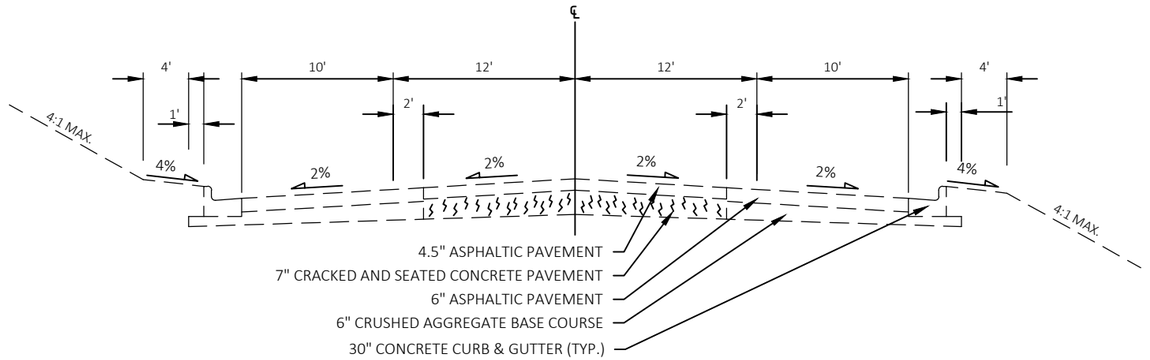
EXISTING TYPICAL SECTION

STA. 6+10 - STA. 9+94



EXISTING TYPICAL SECTION

STA. 9+94 - STA. 20+40

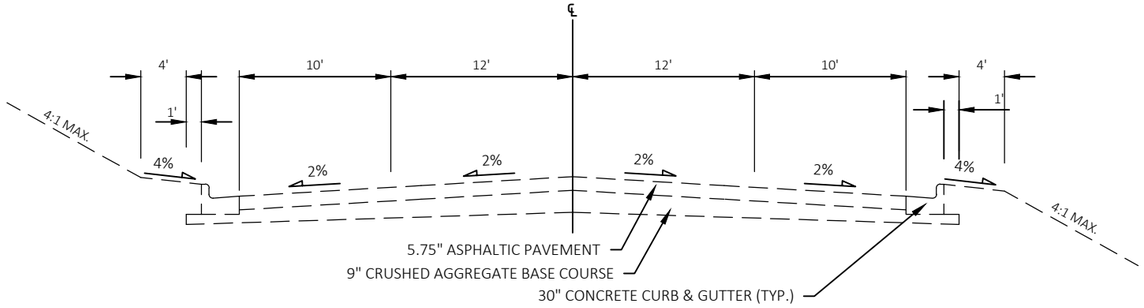


EXISTING TYPICAL SECTION

STA. 20+40 - STA. 40+25

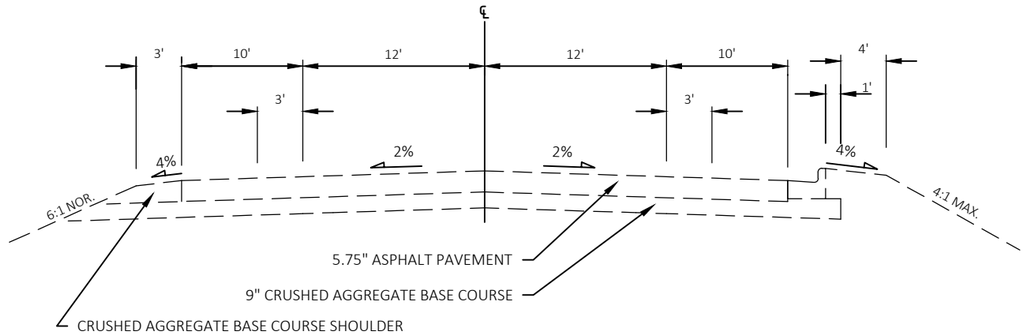
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 4	E

2



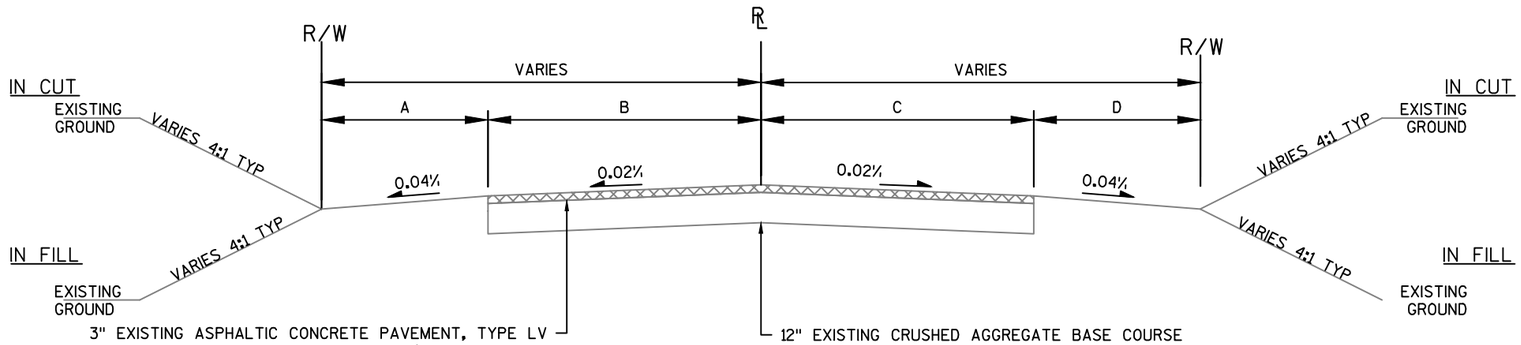
EXISTING TYPICAL SECTION

STA. 40+25 - STA. 45+25



EXISTING TYPICAL SECTION

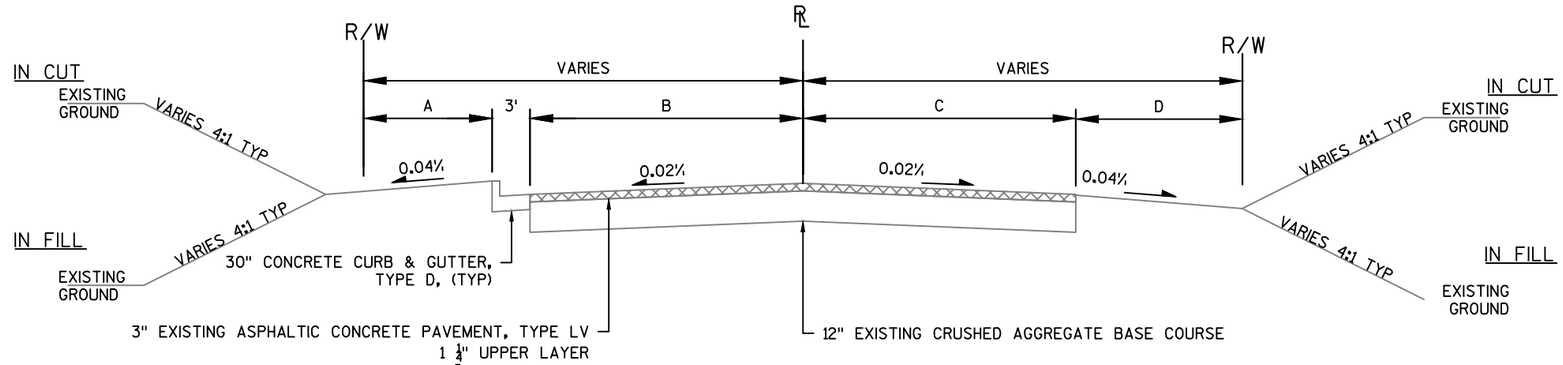
STA. 45+25 - STA. 47+54



EXISTING TYPICAL SECTION SIDEROADS

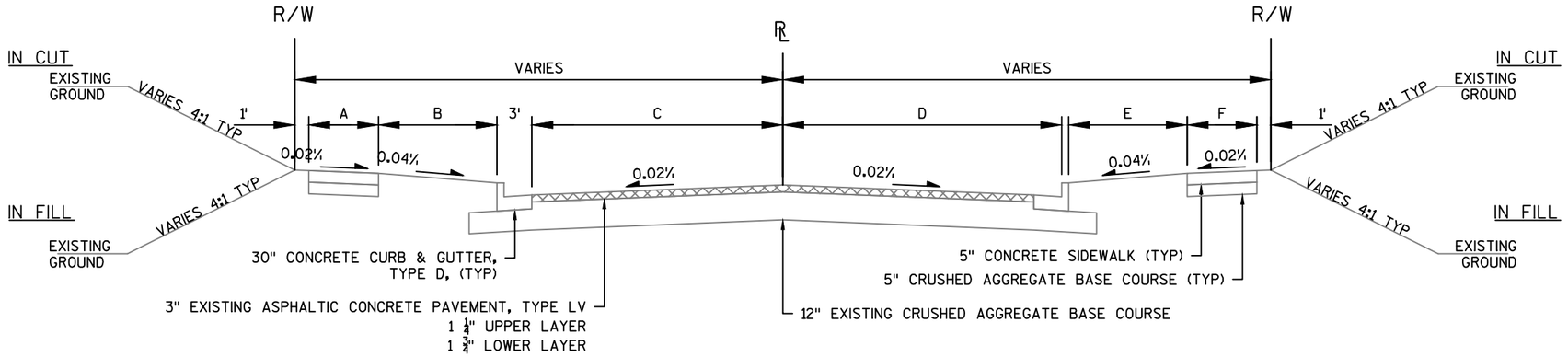
(SEE TABLE)
NORTH WALTER ROAD
CTH KP

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 5	E



EXISTING TYPICAL SECTION SIDEROADS

(SEE TABLE)
REEVE ROAD

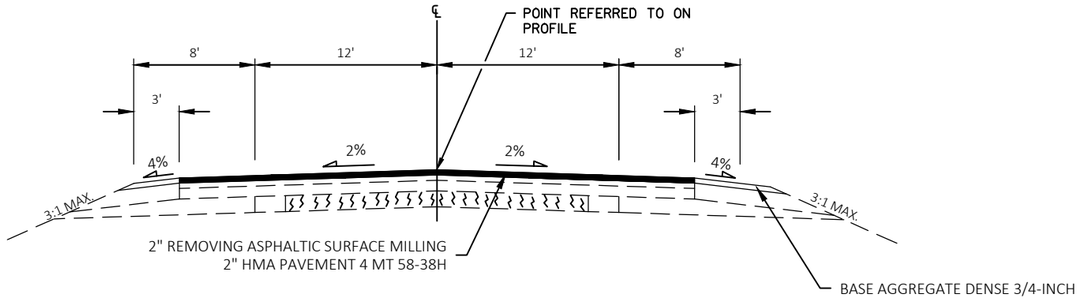


EXISTING TYPICAL SECTION SIDEROADS

(SEE TABLE)
SOUTH WALTER ROAD
WALL STREET
NORTH CROCKER STREET
SOUTH CROCKER STREET
NORTH SCOTT STREET
SOUTH SCOTT STREET
NORTH BRODHEAD STREET
SOUTH BRODHEAD STREET
NORTH ELDRED STREET
SOUTH ELDRED STREET
NORTH CRAMER STREET
SOUTH CRAMER STREET

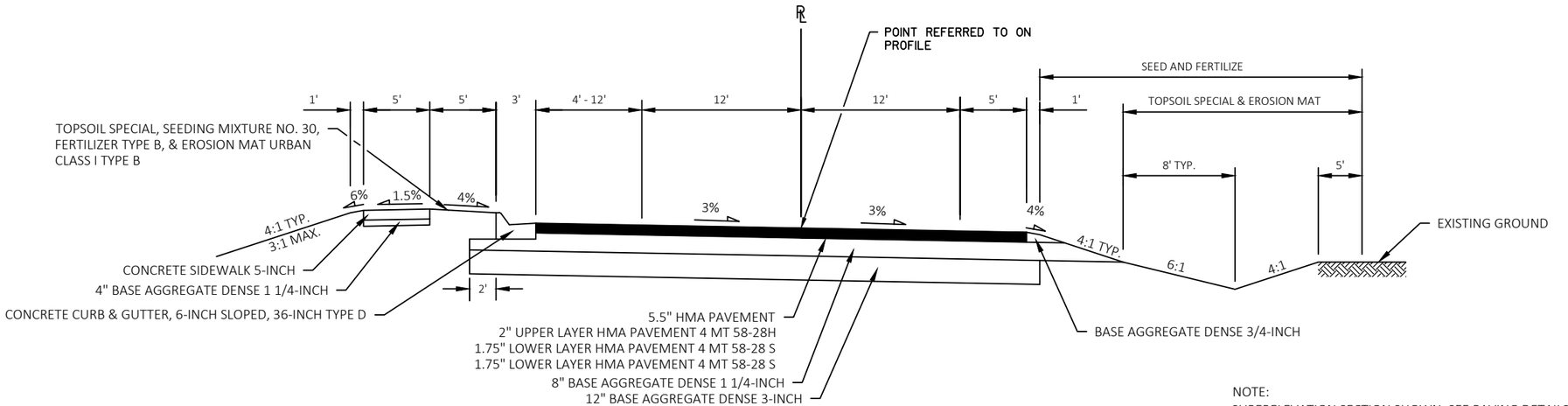
SIDEROADS						
	A (FT)	B (FT)	C (FT)	D (FT)	E (FT)	F (FT)
NORTH WALTER ROAD	10.0	18.0	18.0	17.0	N/A	N/A
SOUTH WALTER ROAD	4.0	9.5	16.0	16.0	N/A	N/A
WALL STREET	N/A	N/A	15.0	15.0	N/A	N/A
REEVE ROAD	13.0	N/A	9.0	5.0	N/A	N/A
NORTH CROCKER STREET	N/A	N/A	16.0	16.0	N/A	N/A
SOUTH CROCKER STREET	N/A	N/A	16.0	16.0	N/A	N/A
NORTH SCOTT STREET	N/A	N/A	15.0	15.0	N/A	N/A
SOUTH SCOTT STREET	N/A	N/A	16.0	16.0	N/A	N/A
NORTH BRODHEAD STREET	4.0	13.5	20.0	20.0	11.0	4.0
SOUTH BRODHEAD STREET	4.0	19.5	17.0	17.0	10.0	4.0
NORTH ELDRED STREET	N/A	N/A	15.0	15.0	N/A	N/A
SOUTH ELDRED STREET	N/A	N/A	16.0	16.0	8.0	4.0
NORTH CRAMER STREET	N/A	N/A	18.0	18.0	N/A	N/A
SOUTH CRAMER STREET	N/A	N/A	16.0	16.0	N/A	N/A
CTH KP	VARIES	10.5	10.5	50.0	N/A	N/A

2



TYPICAL FINISHED SECTION

STA. 6+10 - STA. 6+85.72

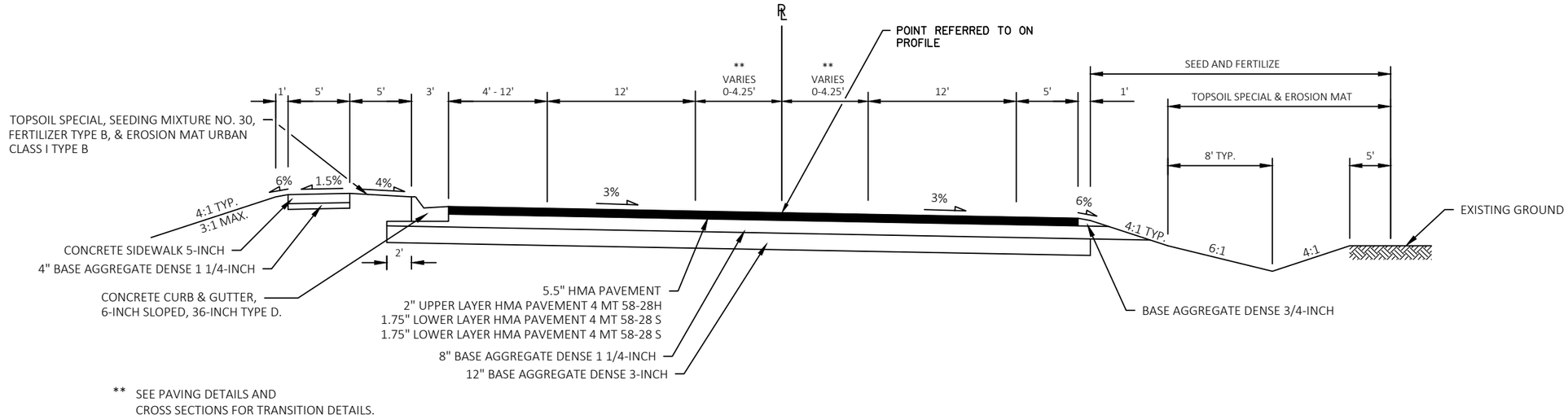


NOTE:
SUPERELEVATION SECTION SHOWN, SEE PAVING DETAILS AND CROSS SECTIONS FOR SUPERELEVATION TRANSITION DETAILS & NORMAL CROWN.

TYPICAL FINISHED SECTION

STA. 6+85 - STA. 16+00

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PROPOSED TYPICAL SECTION	SHEET 7	E

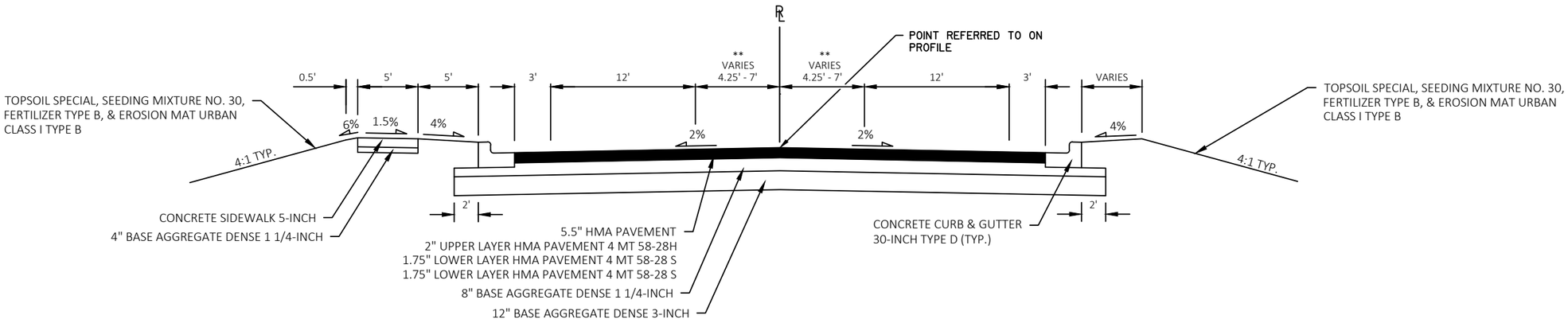


** SEE PAVING DETAILS AND CROSS SECTIONS FOR TRANSITION DETAILS.

TYPICAL FINISHED SECTION

STA. 16+00 - STA. 17+30

NOTE:
SUPERELEVATION SECTION SHOWN, SEE PAVING DETAILS AND CROSS SECTIONS FOR SUPERELEVATION TRANSITION DETAILS & NORMAL CROWN.

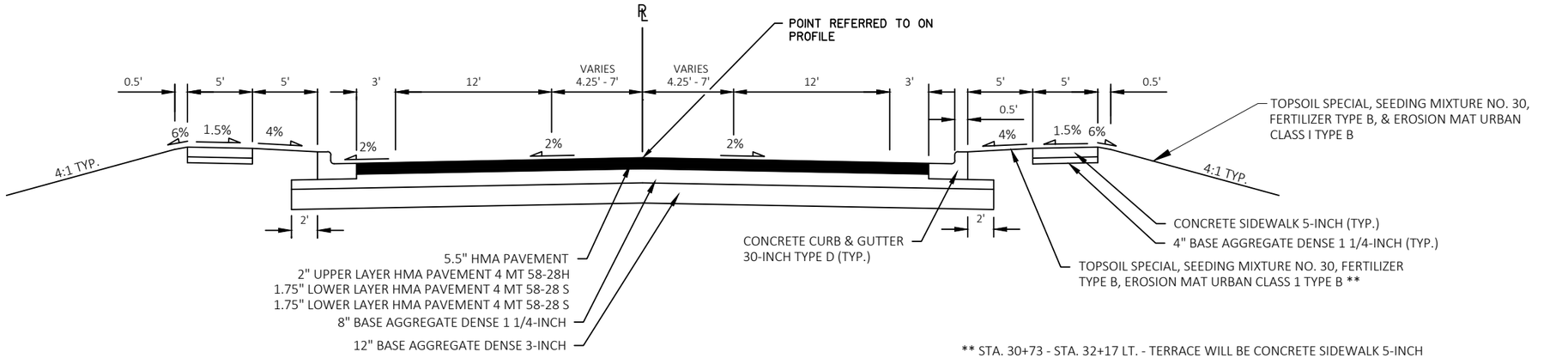


TYPICAL FINISHED SECTION

STA. 17+30 - STA. 20+55

** SEE CROSS SECTIONS FOR TRANSITION DETAILS.

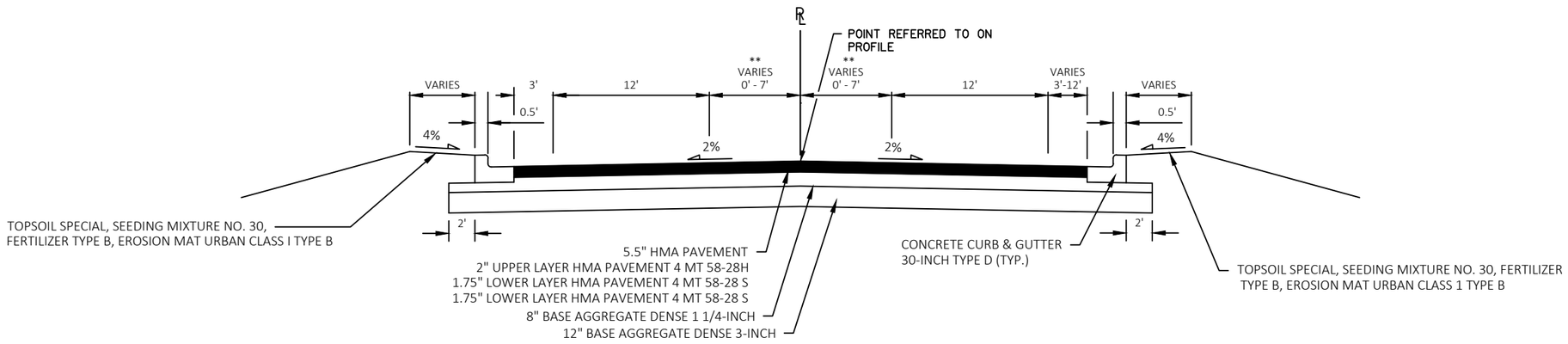
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PROPOSED TYPICAL SECTION	SHEET 8	E



** STA. 30+73 - STA. 32+17 LT. - TERRACE WILL BE CONCRETE SIDEWALK 5-INCH
STA. 34+26 - STA. 35+47 RT. - TERRACE WILL BE ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES

TYPICAL FINISHED SECTION

STA. 20+55 - STA. 40+50



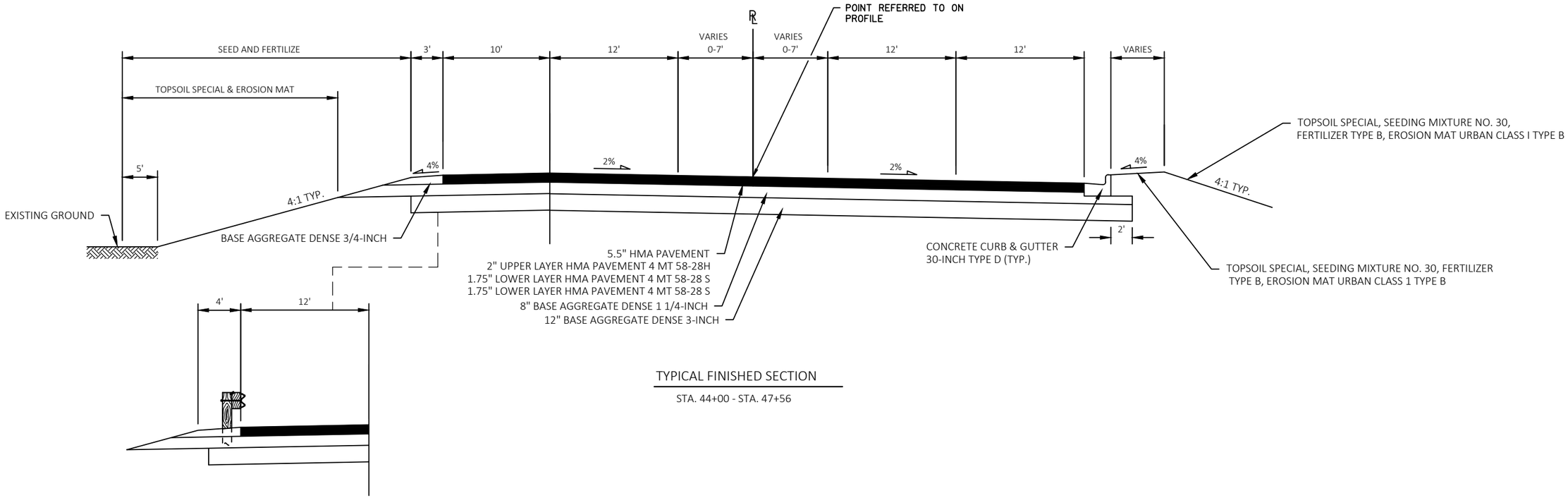
TYPICAL FINISHED SECTION

STA. 40+50 - STA. 44+00

** SEE
CROSS SECTIONS FOR TRANSITION DETAILS.

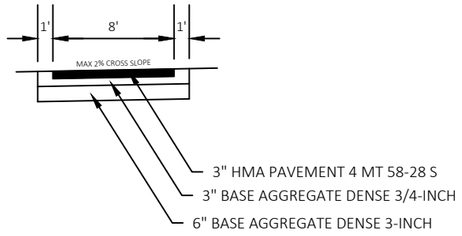
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PROPOSED TYPICAL SECTION	SHEET 9	E

2



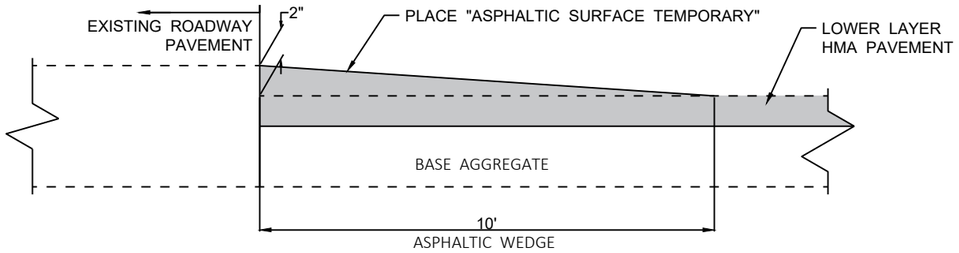
TYPICAL FINISHED SECTION

STA. 44+00 - STA. 47+56



LAKE MARION TRAIL FINISHED TYPICAL SECTION

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PROPOSED TYPICAL SECTION	SHEET 10	E

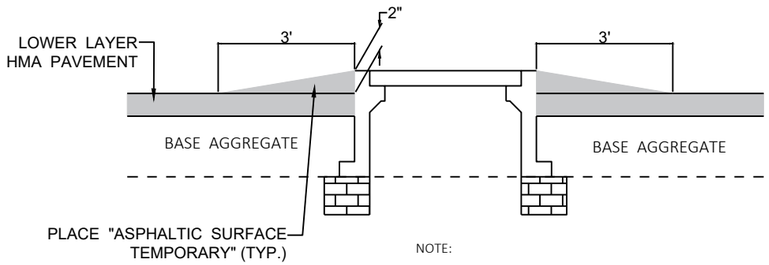


NOTE:

REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINT"

TEMPORARY WEDGES DETAIL (MATCH POINTS)

NOTE: PROVIDE ASPHALTIC WEDGE PRIOR TO OPENING LANE TO TRAFFIC.

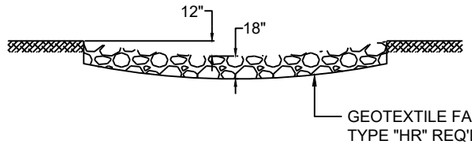


NOTE:

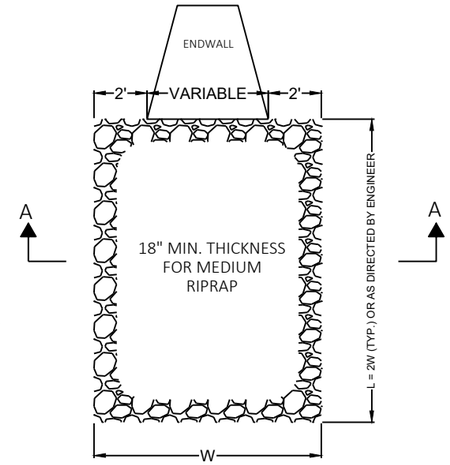
REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINT"

TEMPORARY WEDGES DETAIL (MANHOLES)

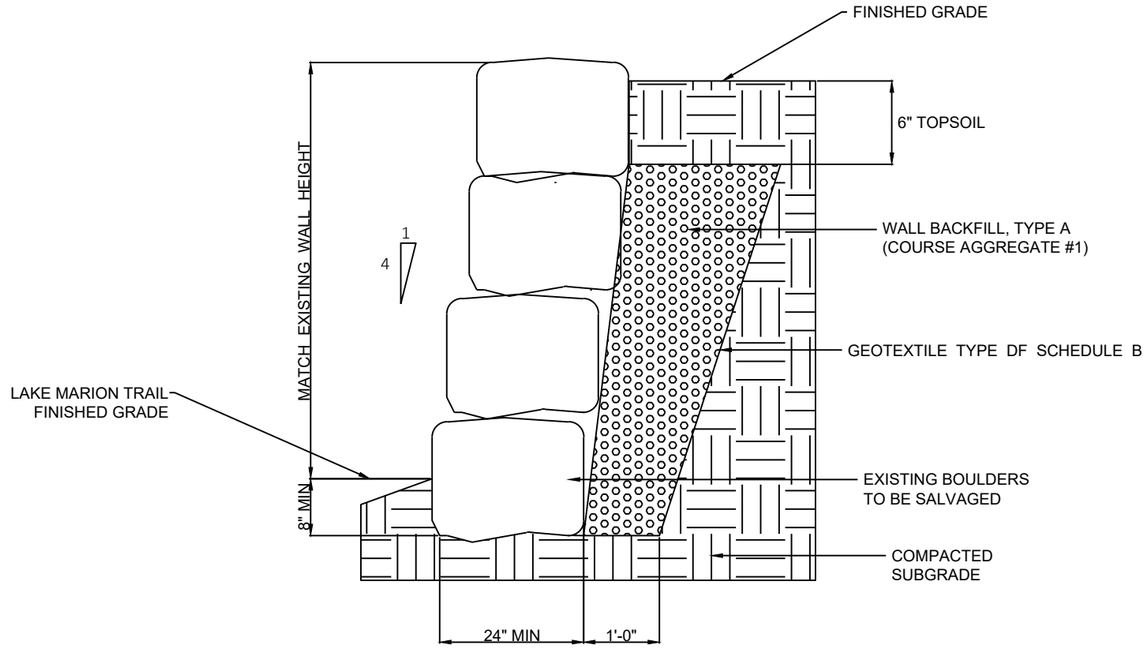
NOTE: PROVIDE ASPHALTIC WEDGE PRIOR TO OPENING LANE TO TRAFFIC.



SECTION A - A



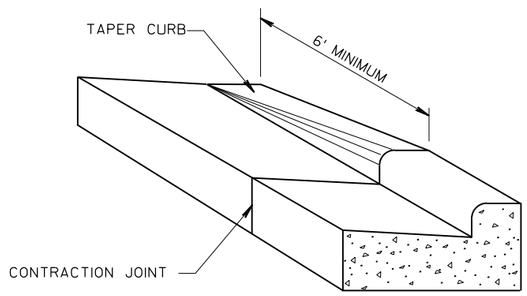
MEDIUM RIPRAP TREATMENT AT CULVERTS



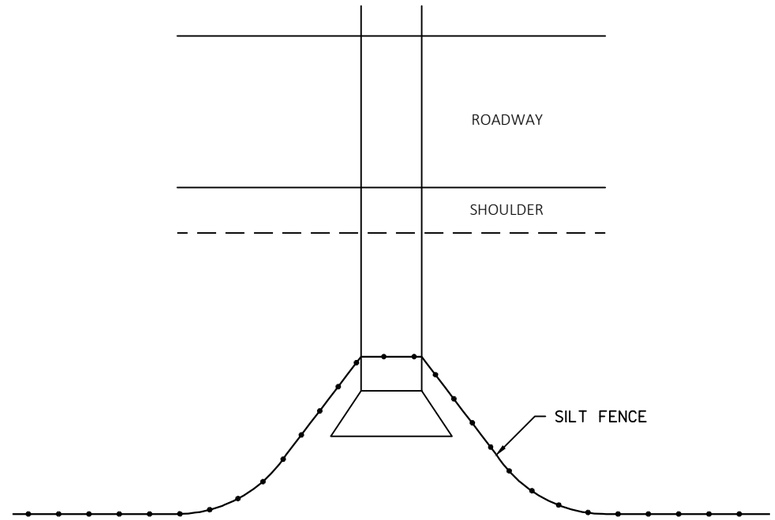
SALVAGE AND REINSTALL FIELDSTONE BOULDER WALL

2

BORING INFORMATION									
Boring No.	Station, Offset	Asphalt Depth	Base Depth	Sand/Silt Depth	Semi-Competent Sandstone Depth	Competent Sandstone Depth	Semi-Competent Sandstone Depth	Soft Weathered Sandstone Depth	Competent Sandstone Depth
B-2	43+00, 18' RT	0.40 ft	0.9 ft	15.7 ft	--	--	--	--	--
B-3	44+00, 18' RT	0.40 ft	2.1 ft	--	2.5 ft	2 ft	13 ft	--	--
B-4	45+70, 18' RT	0.40 ft	0.9 ft	1.7 ft	--	--	--	17 ft	--
B-6	47+85, 190' RT	0.40 ft	0.8 ft	12.8 ft	--	--	--	1 ft	3 ft
B-9	45+55, 18' LT	0.5 ft	0.8 ft	18.7 ft	--	--	--	--	--
B-10	43+90, 18' LT	0.5 ft	0.8 ft	7.7 ft	--	--	--	11 ft	--



DETAIL OF CURB & GUTTER TERMINI

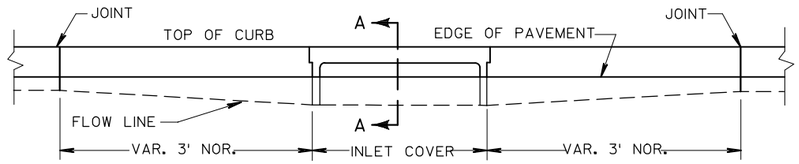


SILT FENCE AT PIPE INLET

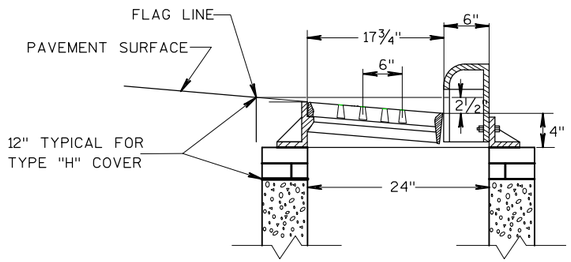
SEE EROSION CONTROL PLANS FOR LOCATIONS

NOTE:
FOR FURTHER DETAIL SEE SILT FENCE S.D.D.

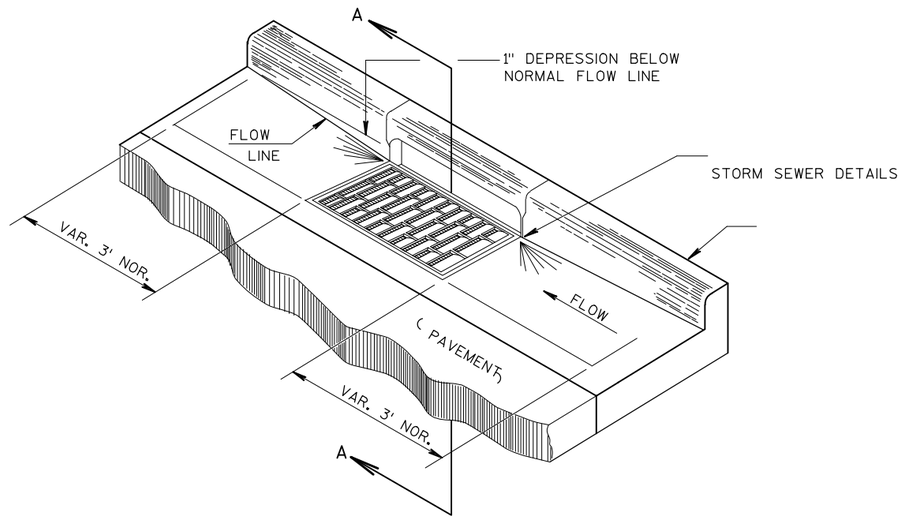
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: CONSTRUCTION DETAILS	SHEET 12	E



ELEVATION

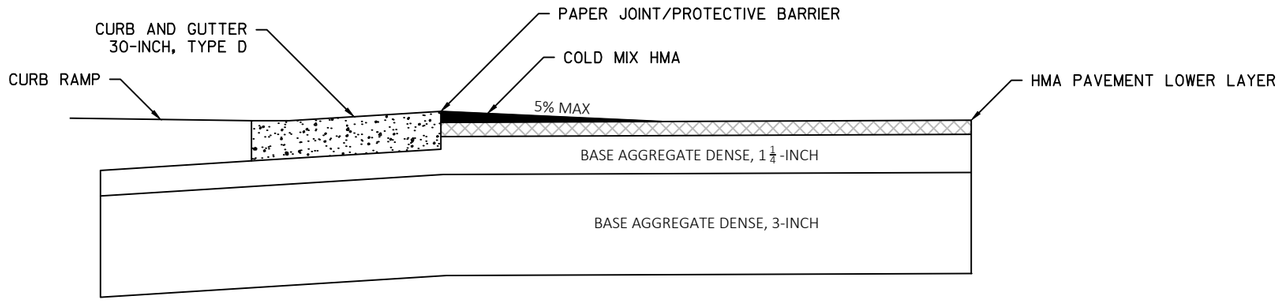


SECTION A-A



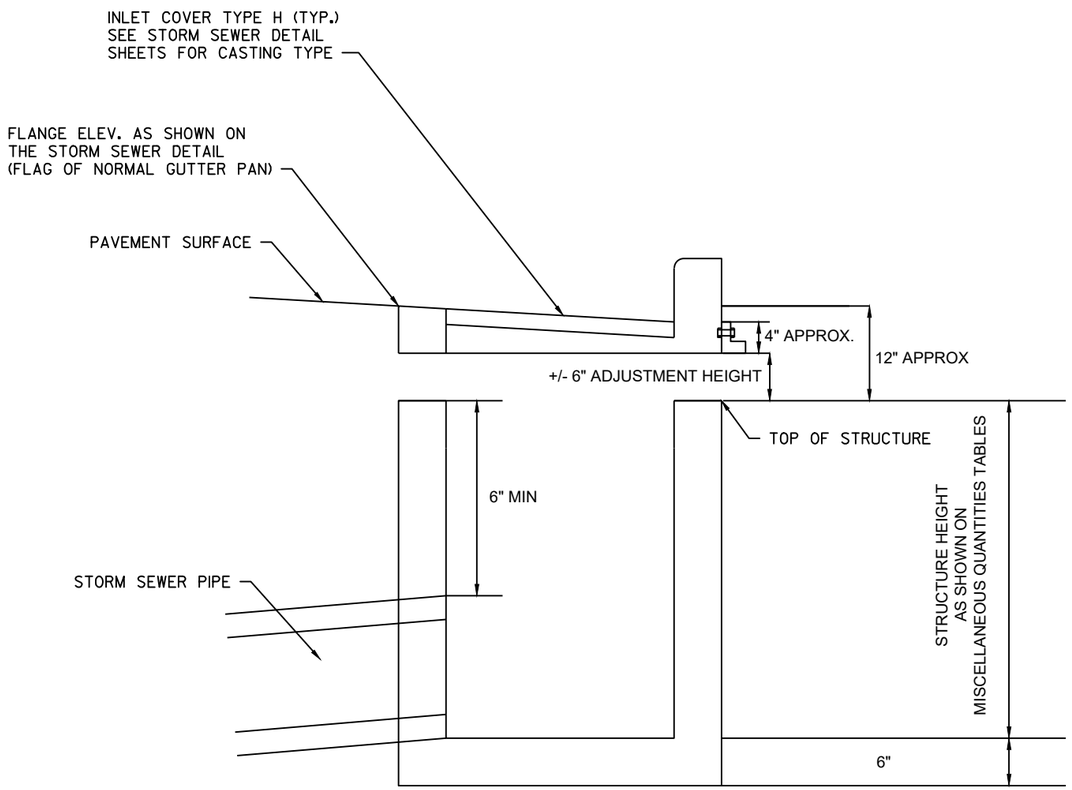
DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)



TEMPORARY PEDESTRIAN WEDGE

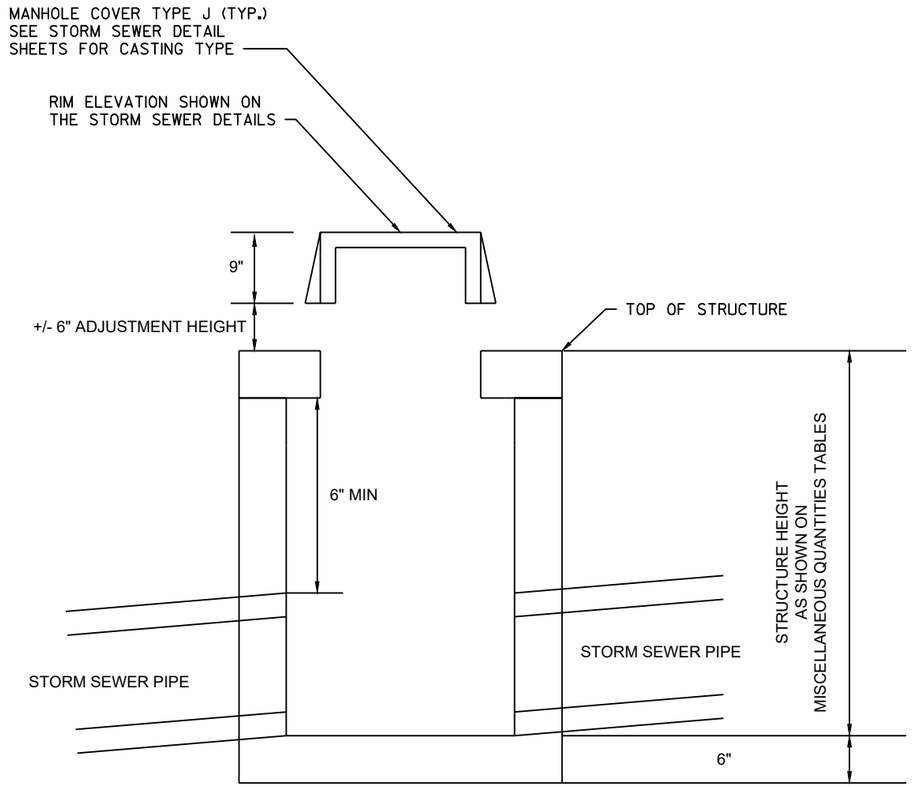
STATION OFFSETS FOR INLETS ARE TO THE CENTER OF STRUCTURE



INLET 2 x 3 - FT SHOWN

DETAIL FOR COMPUTING INLET ELEVATIONS

STATION OFFSETS FOR MANHOLES ARE TO THE CENTER OF STRUCTURE



MANHOLE 4 - FT, 5 - FT, 6 - FT, 3 x 3 - FT, 4 x 4 - FT SHOWN

DETAIL FOR COMPUTING MANHOLE ELEVATIONS

2

N

CP8

PV

PV

CP8

STA. 47+35

STA. 47+42, 12' RT

46+00

47+00

48+00

B-13-329

BM 1329

CP8 CONCRETE PAVEMENT HES 8-INCH

PV CONCRETE PAVEMENT APPROACH SLAB HES

CTH KP

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STRUCTURE APPROACH	SHEET 15	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - pn - (08)

PLOT DATE : 7/21/2020 9:57 AM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

BEGIN RECONSTRUCTION LIMITS
END MILLING LIMITS
STA 6+85.72
MATCH EXISTING
SAW CUT REQ'D

BEGIN CONSTRUCTION
BEGIN MILLING LIMITS
STA 6+10.00
MATCH EXISTING

N Walter Road

S Walter Road

SIGN

SIGN

SIGN

+08.75
-69.00'LT
789.31

XXXX

7+53.75, -69.00' LT

R45'

+60.91
-32.00'LT
792.33

+53.75
-24.00'LT
792.03

CS.0410

+07.14
-24.42'LT
795.24

CG.0557

5'

5'

12'

12'

12'

50'

55'

AP.6424

AP.6424

AP.6424

AP.6424

BA.0110

5

10

+41.72
26.00'RT
791.89

+43.52
34.00'RT
792.56

CG.0557

+65.91
34.00'RT
792.36

+81.91
26.00'RT
792.36

+42.36
26.00'RT
793.14

+16.62
20.94'RT
795.30

+24.94
17.03'RT
796.83

+24.94, 22.03' RT

+29.99
22.04'RT
796.84

+38.00, 50.01' R

+13.53
63.22'RT
791.34

R40'

+01.72
56.00'RT
790.81

XXXX

7+41.72, 66.00' RT

CS.0410

+12.40
106.55'RT
791.12

+13.44
111.57'RT
791.12

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 16	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021202_pd1

PLOT DATE : 7/29/2020 4:35 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

U.S. H. 14

SIGN

SIGN

+63.00, -51.85' LT
+50.68
-29.02'LT
801.95
+75.15
-29.08'LT
801.71
+80.78
-24.14'LT
???
+45.51
-24.02'LT
802.05
+84.27
-19.18'LT
801.56
+42.04
-19.02'LT
801.80
+28.32
-16.03'LT
800.46
+95.90
17.00'RT
799.05
+07.47
-19.29'LT
798.99
+94.94
17.02'RT
797.54
+30.11
17.01'RT
798.19
+36.11
17.01'RT
799.57
+51.06
17.00'RT
797.17
+94.95, 22.02' RT
+24.94
17.03'RT
796.83
+51.05, 22.00' RT
+24.94, 22.03' RT
+29.99
22.04'RT
796.84
+45.98
21.99'RT
797.05
+00.00
22.03'RT
797.75
+10.00, 50.02' RT
+38.00, 50.01' RT
+20.00
27.04'RT
797.32
+30.12, 27.01' RT
+95.88, 27.00' RT
+06.00
27.02'RT
798.46
+16.00, 42.02' RT
+26.00
27.03'RT
798.19
+36.12, 27.01' RT
+91.15
17.00'RT
801.00
+66.83
17.00'RT
801.12
+90.98, 37.18' RT
+67.00, 37.18' RT
+11.49
37.19'RT
800.03
+28.99, 50.01' RT
+46.49
37.19'RT
797.49
AS.0120
BA.0110
CS.0410
CG.0557
AP.6424
CD.0160
XXXX
50'
5'
4'
12'
12'
12'
50'
55'
15

N

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 17	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021202_pd2

PLOT DATE : 7/29/2020 4:35 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

POOL

POOL

W W

MH

Wall Street

CANOPY

SIGN

SIGN

XXXX XXXX XXXX

+55.00, -50.00' LT

+46.00
-29.50'LT
800.16

+42.50
-24.50'LT
799.87

+13.36
-22.00'LT
800.41

+07.72
-21.84'LT
800.51

CG.0557

+17.56
-22.00'LT
800.34

AS.0120

CD.0160

CD.0160

+64.00
-29.50'LT
799.92

+67.50
-24.50'LT
799.54

CS.0410

CG.0411

+74.69
-42.01'LT
798.87

+54.69, -42.00' LT

R20'

+54.69
-22.00'LT
799.05

AP.6424

5'

5'

12'

59'

14'

20

AP.6424

12'

41'

+04.69
-43.99'LT
798.76

+26.69, -44.00' LT

R22'

CG.0411

CS.0410

5'

+26.69
-22.00'LT
799.12

12'

35'

AP.6424

5'

+57.91
-29.50'LT
798.56

+66.41, -42.00' LT

+74.91
-29.50'LT
798.49

+25.50
-29.50'LT
798.66

AS.0120

CD.0160

CD.0160

+54.41
-24.50'LT
798.47

+78.41
-24.50'LT
798.37

+22.00
-24.50'LT
798.30

14'

AP.6424

12'

35'

AP.6424

INL

INL

+56.34
22.00'RT
799.04

CS.0410

+18.34
22.00'RT
799.14

+29.95
20.72'RT
800.22

BA.0110

CG.0411

+49.44
29.50'RT
799.24

+56.34, 44.00' RT

+78.34
44.02'RT
798.47

R22'

R22'

+18.34, 44.00' RT

+96.34
43.96'RT
798.39

CS.0410

CG.0411

XXXX XXXX

Reeve Road

+56.82
24.50'RT
798.50

+60.00
29.50'RT
798.70

+72.00, 40.00' RT

CD.0160

CD.0160

AS.0120

+87.18
24.50'RT
798.34

+84.00
29.50'RT
798.61

N

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 18	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021202_pd3

PLOT DATE : 7/29/2020 4:35 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

N

FILLER CAPS
CANOPY
S Crocker St
S Scott St
INL
U/C
A/C
W
MH
GREENHOU

+25.50 29.50'LT 798.66
+22.00 -24.50'LT 798.30
+42.00, -37.00' LT
+58.50 -29.50'LT 798.71
+62.00 -24.50'LT 798.36
+30.10, -44.00' LT
+30.10 -22.00'LT 798.75
+52.10 -43.45'LT 799.12
+28.13, 44.00' RT
+28.13 22.00'RT 798.74
+50.12 44.38'RT 798.02
+83.13 -44.55'LT 798.87
+05.13, -44.00' LT
+05.13 -22.00'LT 799.21
+04.14 22.00'RT 799.20
+82.14 43.62'RT 798.25
+04.14, 44.00' RT
+64.00, -37.00' LT
+56.00 -29.50'LT 800.21
+52.50 -24.50'LT 800.08
+75.50 -24.50'LT 800.22
+14.50 24.50'RT 799.23
+18.00 29.50'RT 799.61
+45.50 24.50'RT 799.42
+42.00 29.50'RT 799.76
+30.00, 39.00' RT
+06.50 24.50'RT 799.80
+10.00 29.50'RT 800.18
+37.50 24.50'RT 799.99
+22.00, 39.00' RT
+52.50 24.50'RT 800.08
+34.00 29.50'RT 800.33
+56.00 29.50'RT 800.21
+64.00, 39.00' RT
+72.00 -29.50'LT 800.31
+75.50 24.50'RT 800.22
+72.00 29.50'RT 800.31
+82.50 -24.50'LT 800.26
+86.00 -29.50'LT 800.39
+00.00, -40.00' LT
+00.00, -37.00' LT
+14.00 -29.50'LT 800.57
+17.50 -24.50'LT 800.48
+86.00 -29.50'LT 801.01
+82.50 -24.50'LT 800.88
+36.66, -44.00' LT
+14.00 -29.50'LT 801.18
+17.50 -24.50'LT 801.09
+58.66 -43.72'LT 800.87
+36.66 -22.00'LT 801.25
+10.67, -44.00' LT
+88.67 -44.28'LT 801.01
+10.67 -22.00'LT 801.71
+04.63 22.00'RT 801.66
+29.62 22.00'RT 801.21
+29.62, 44.00' RT
+51.62 44.34'RT 801.79
+82.63 43.66'RT 801.44
+04.63, 44.00' RT

AP.6424 5' 5' 12' 35'
AP.6424 5' 14' 12' 35'
AP.6424 5' 5' 12' 35'
AP.6424 5' 5' 12' 35'
AP.6424 5' 5

2

2

N

+67.58, -132.76' LT

+74.50, -114.00' LT

+20.30, -66.09' LT

+47.29
-65.50'LT
801.34

+87.51
-75.13'LT
800.74

+39.50, -73.97' LT

+02.00, -39.00' LT

CG.0411 CS.0410 +59.00, -40.00' LT AS.0120 +75.00 -29.50'LT 802.15

+56.94 -29.50'LT 802.25

CD.0160 +64.94, -39.00' LT +72.94 -29.50'LT 802.21

+58.00, -38.00' LT

CD.0160 +37.05 -44.91'LT 801.58

+40.50 -29.50'LT 801.98

+75.50 -29.50'LT 802.59

R27'

R92'

R112'

R52'

+94.50 -29.50'LT 802.33

+09.50 -29.50'LT 802.41

CG.0411 CS.0410

CD.0160 CS.0410

+39.50 -24.50'LT 801.85

+43.00 -29.50'LT 801.98

AP.6424 +78.50 -24.50'LT 802.06

+53.44 -24.50'LT 802.15

+76.44 -24.50'LT 802.09

+37.00 -24.50'LT 801.88

+74.50 -22.00'LT 801.94

+78.92 -24.61'LT 802.38

+06.37 -27.69'LT 801.84

+39.50 -22.00'LT 801.92

+91.00 -24.50'LT 802.46

AP.6424 +13.00 -24.50'LT 802.57

AP.6424 30

AP.6424 35

+49.50 24.50'RT 802.15

+77.00 29.50'RT 802.32

+80.50 24.50'RT 802.08

AP.6424

AP.6424

+22.05 22.00'RT 802.12

+13.88 22.00'RT 801.98

+98.00 24.50'RT 802.23

AP.6424 +30.00 24.50'RT 802.72

+43.50 24.50'RT 802.96

+78.44 24.50'RT 803.54

+02.50 24.50'RT 803.78

+37.50 24.50'RT 804.13

CD.0160 AS.0120 CD.0160 AS.0120 CD.0160

CS.0410 CG.0411

+53.00 29.50'RT 802.35 AS.0120

+65.00, 40.00' RT

+22.05, 46.00' RT

R34'

+46.05 46.44'RT 801.00

+43.33 56.88'RT 801.40

+34.17 59.71'RT 801.23

+79.89 55.37'RT 801.06

+28.21, 71.60' RT

+33.61 83.71'RT 801.24

+42.67 86.87'RT 801.49

+33.50 88.45'RT 801.16

TOPO OUT OF DATE 3/28/2017

+13.88, 56.00' RT

CS.0410 CG.0411

+01.50 29.50'RT 802.38

+26.50 29.50'RT 802.76

+14.00, 37.00' RT

+47.00 29.50'RT 803.50

+75.00 29.50'RT 803.61

+06.00 29.50'RT 804.17

+34.00 29.50'RT 804.45

+20.00, 37.93' RT

+61.17, 37.00' RT

N Brodhead St

S Brodhead St

A/C

A/C

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 20	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021202_pd5

PLOT DATE : 7/29/2020 4:35 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

+52.72, -44.00' LT

+75.33
-42.21'LT
803.83

+06.38
-46.61'LT
803.90

R22'

+52.72
-22.00'LT
803.44

+28.94, -44.00' LT

+28.94
-22.00'LT
804.25

+37.50
-24.50'RT
804.13

+45.26
22.00'RT
804.24

+45.26, 44.00' RT

+19.50
22.00'RT
805.03

+34.00
29.50'RT
804.45

AS.0120

+98.33
41.05'RT
804.41

+66.49
46.14'RT
804.50

+19.50, 44.00' RT

CG.0411

CS.0410

74'

5'

5'

12'

14'

26'

12'

+82.23, -38.02' LT

CD.0160

+76.25
-29.50'LT
806.31

+72.71
-24.48'LT
806.01

+88.25
-29.50'LT

+91.83
-24.53'LT

45'

+77.61
24.51'RT
806.95

+97.27
24.85'RT
807.24

+81.06
29.50'RT
807.20

BA.0110

+93.80
29.50'RT
807.37

+87.91, 44.47' RT

93'

AP.6424

+36.60
-50.20'LT
808.00

+95.43
-37.80'LT
808.29

+74.32, -44.00' LT

+74.32
-22.00'LT
808.50

49'

40

+46.52
22.00'RT
809.01

+46.52, 44.00' RT

108'

+67.69
49.98'RT
809.77

+57.71, -44.00' LT

+57.71
-22.00'LT
809.56

12'

48'

52'

+24.42
22.00'RT
809.24

+04.33
37.99'RT
809.11

+25.50, 43.97' RT

SIGN

INL

MH

W

S Eldred St

S Cramer St

XXXX XXXX XXXX

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 21	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021202_pd6

PLOT DATE : 7/29/2020 4:35 PM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

N

+65.16, -169.81' LT

SIGN

+84.38
-22.00'LT
814.24

CG.0411

AP.6424

AP.6424

AP.6424

AP.6424

34'

12'

12'

12'

14'

48'

48'

65'

126'

45

101'

101'

R198'

R302'

R2473'

BA.0110

ASPHALTIC SURFACE
SAFETY ISLANDS

116'

12'

12'

12'

+55.39
18.65'RT
812.21

+28.88
24.69'RT
813.10

+68.19
28.16'RT
813.47

+25.77
27.01'RT
814.86

+13.69, 29.56' RT

+13.73
26.07'RT
814.20

+32.37
26.22'RT
814.10

+32.35, 30.72' RT

+36.89
30.74'RT
814.06

+95.62
34.58'RT
813.49

R4'

R5'

14'

+11.66
32.42'RT
814.24

R548'

+29.22
47.13'RT
814.10

R5'

+36.83
43.81'RT
814.03

R20'

+96.55, 54.06' RT

+32.27, 43.78' RT

+83.41
68.68'RT
813.78

+94.14
78.17'RT
813.63

BA.0110

R150'

+31.83
67.53'RT
813.75

BA.0110

CTH KP

XXXX XXX

+53.23, 112.00' RT

SIGN

+25.57, 177.01' RT

+13.99, 2500.00' RT

+64.84, 320.52' RT

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 22	E

2

2

LEGEND

BA.0110	BASE AGGREGATE DENSE 3/4-INCH
AP.6424	HMA PAVEMENT 4 MT 58-28 H UPPER LAYER/4 MT 58-28 S LOWER LAYERS
AS.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CG.0411	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CD.0160	CONCRETE DRIVEWAY 6-INCH
CS.0410	CONCRETE SIDEWALK 5-INCH

N

SEE STRUCTURE APPROACH CONSTRUCTION DETAIL

END CONSTRUCTION
STA 47+56.00
MATCH EXISTING
SAW CUT REQ'D

ASPHALTIC SURFACE
SAFETY ISLANDS

116'

BA.0110

AP.6424

12'

+13.73
26.07'RT
814.20

+32.37
26.22'RT
814.10

+32.35, 30.72' RT

+36.89
30.74'RT
814.06

+95.62
34.58'RT
813.49

+13.69, 29.56' RT

+11.66
32.42'RT
814.24

+29.22
47.13'RT
814.10

+36.83
43.81'RT
814.03

+32.27, 13.78' RT

+96.55, 54.06' RT

+83.41
68.68'RT
813.78

+94.14
78.17'RT
813.63

+31.83
67.53'RT
813.75

R4'

R5'

R20'

R98'

R150'

14'

CG.0411

BA.0110

50

INL

STH KP XXX.XXX

SIGN

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN DETAILS	SHEET 23	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021202_pd8

PLOT DATE : 7/29/2020 4:35 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N WALTER RD

NORTH CRAMER STREET

REMOVING ENDWALL

10+50.12 MATCH LINE

5+00 6+00 7+00 N63°11'35"E 1263.18' 8+00 9+00 10+00

BM 315

S WALTER RD

700

16+01.29 MATCH LINE

11+00 12+00 13+00 14+00 15+00 16+00

GRUBBING

STA. 11+38 RT
1-18" X 25' CMCP TO BE REMOVED

STA. 12+10 RT
1-18" X 28' CMCP TO BE REMOVED

STA. 13+16 RT
1-18" X 28' P TO BE REMOVED

GRUBBING

10+50.12 MATCH LINE

16+01.29 MATCH LINE

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 24	E

2

WALL STREET

N

16+00 17+00 18+00 19+00 20+00 21+00

16+01.29 MATCH LINE

CLEARING AND GRUBBING
STA. 16+00 TO STA. 19+00
CLEAR TO 46' RT

BM 316

701

REEVE RD

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

EXISTING INLET TO REMAIN

REMOVING MANHOLES

REMOVING MANHOLES

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

22+00 23+00 24+00 25+00 26+00 27+00

27+02.07 MATCH LINE

701

REMOVING INLETS (TYP.)

CLEARING AND GRUBBING

21+52.07 MATCH LINE

CONC.

HMA

BAD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 25	E

EXISTING MANHOLE TO REMAIN
REMOVING STORM SEWER 18-INCH
REMOVING MANHOLES
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
N SCOTT ST
N BRODHEAD ST
32+52.07 MATCH LINE
27+02.07 MATCH LINE
S SCOTT ST
S BRODHEAD ST
TOPO OUT OF DATE 3/28/2017
27+00
28+00
29+00
30+00
31+00
32+00

REMOVING STORM SEWER 12-INCH
REMOVING STORM SEWER 18-INCH
REMOVING MANHOLES
REMOVING INLETS
CLEARING AND GRUBBING
REMOVING INLETS
REMOVING STORM SEWER 15-INCH
REMOVING STORM SEWER 12-INCH
CLEARING AND GRUBBING
38+02.07 MATCH LINE
32+52.07 MATCH LINE
N89°53'47"E 1681.13'
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
REMOVING MANHOLES
REMOVING STORM SEWER 12-INCH
BM 871
33+00
34+00
35+00
36+00
37+00
38+00

2

2

N

N CRAMER ST

S CRAMER ST

REMOVING MANHOLES

REMOVING STORM SEWER 15-INCH

REMOVING INLETS

REMOVING STORM SEWER 18-INCH

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

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

38+02.07 MATCH LINE

43+52.07 MATCH LINE

703

CLEARING AND GRUBBING
STA. 42+00 TO STA. 45+00
CLEAR TO 50' RT

43+00 44+00 45+00 46+00 47+00 48+00

704

REMOVING CONCRETE PAVEMENT

BM 1329

VANGUARD ELECTRIC

CLEARING AND GRUBBING FOR STORM SEWER INSTALLATION

REMOVING GUARDRAIL
STA. 44+96 - STA. 47+36 LT
STA. 46+75 - STA. 47+70 RT

CLEARING AND GRUBBING
STA. 42+00 TO STA. 45+00
CLEAR TO 50' RT

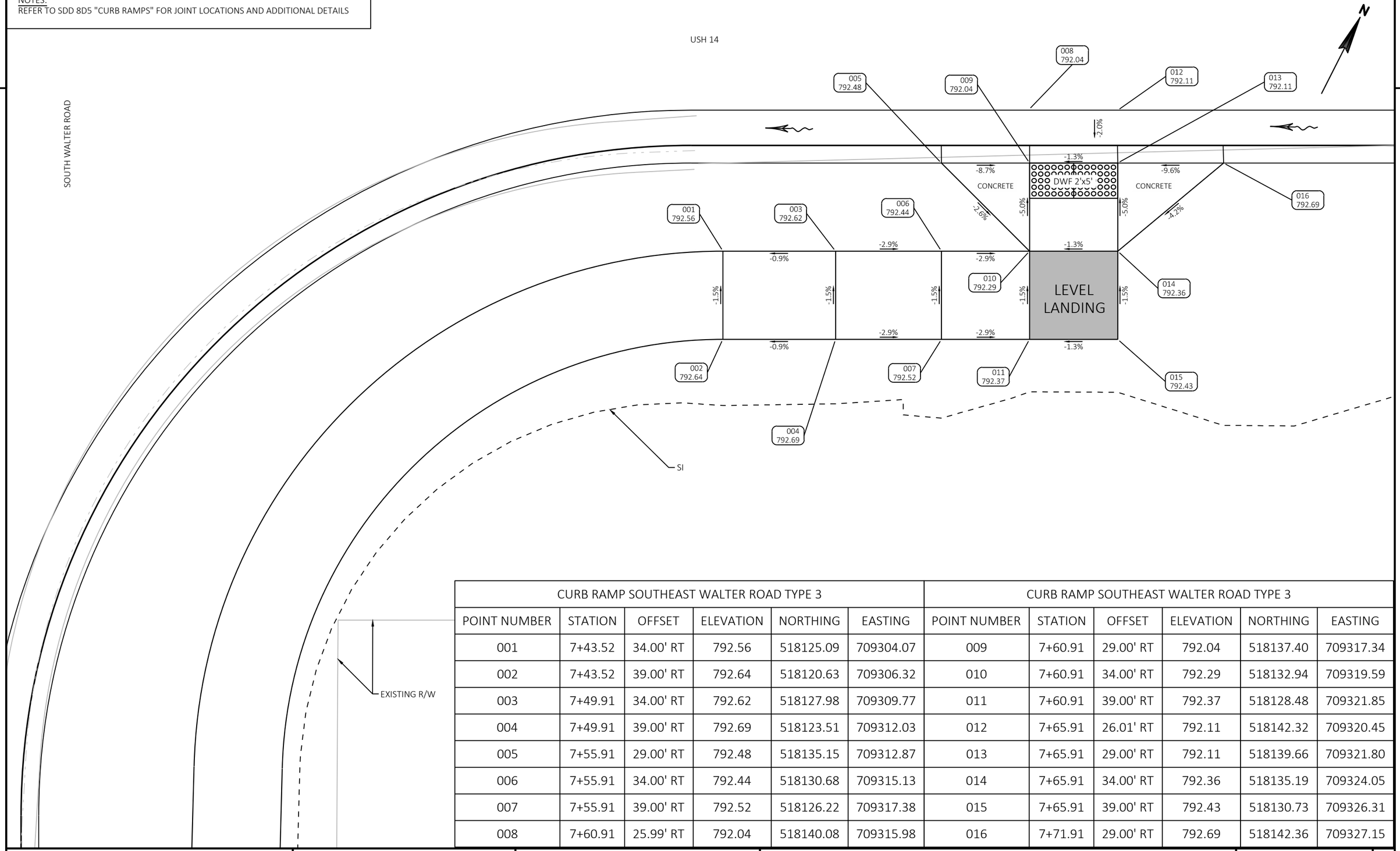
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	REMOVALS	SHEET 27	E

FILE NAME : C:\USERS\DITAMS\DESKTOP\MAZO CIVIL 3D\REMOVALS.DWG
LAYOUT NAME - PP - (7)

PLOT DATE : 7/30/2020 5:44 PM PLOT BY : SHAW, ADAM M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

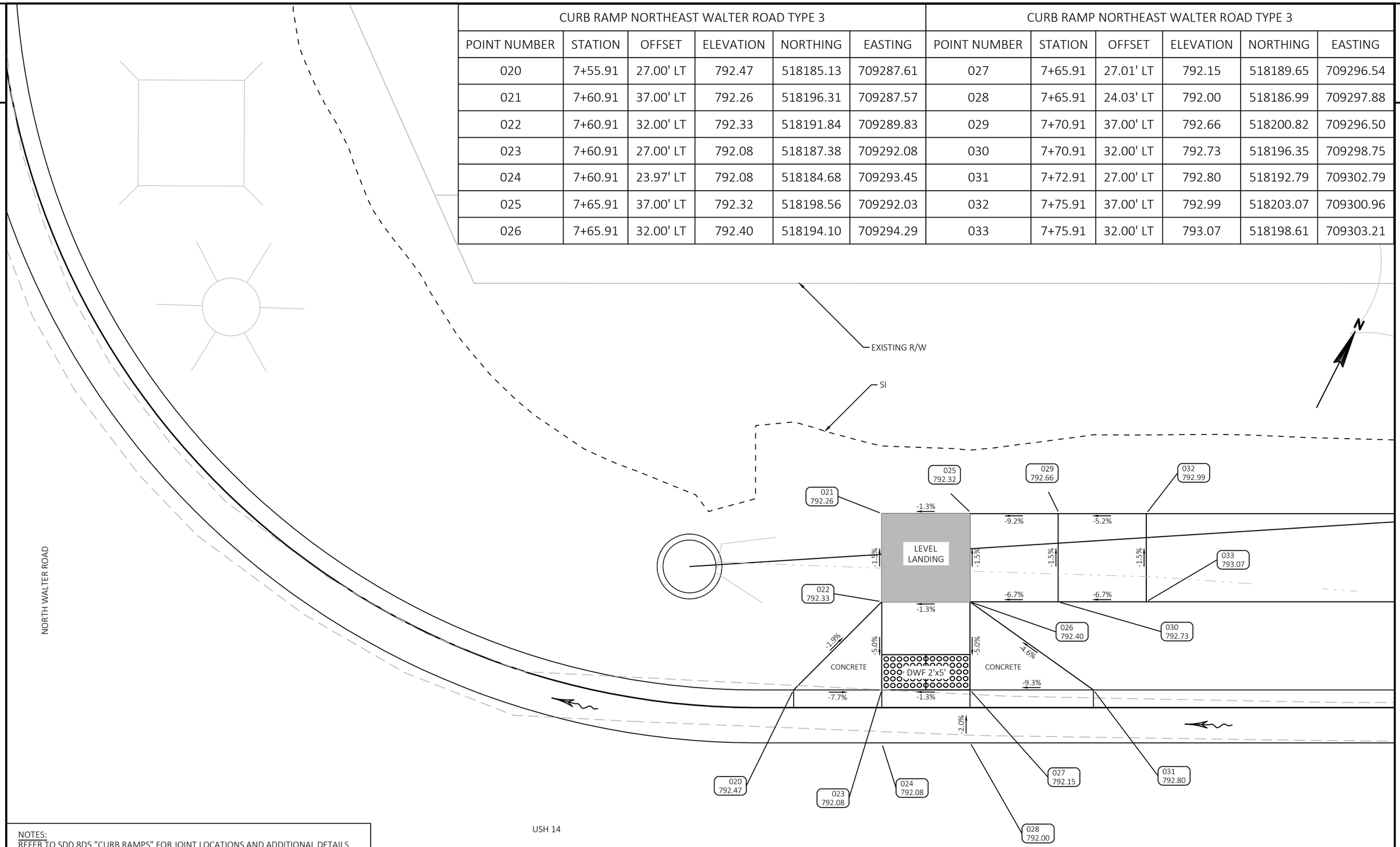
NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP SOUTHEAST WALTER ROAD TYPE 3						CURB RAMP SOUTHEAST WALTER ROAD TYPE 3					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
001	7+43.52	34.00' RT	792.56	518125.09	709304.07	009	7+60.91	29.00' RT	792.04	518137.40	709317.34
002	7+43.52	39.00' RT	792.64	518120.63	709306.32	010	7+60.91	34.00' RT	792.29	518132.94	709319.59
003	7+49.91	34.00' RT	792.62	518127.98	709309.77	011	7+60.91	39.00' RT	792.37	518128.48	709321.85
004	7+49.91	39.00' RT	792.69	518123.51	709312.03	012	7+65.91	26.01' RT	792.11	518142.32	709320.45
005	7+55.91	29.00' RT	792.48	518135.15	709312.87	013	7+65.91	29.00' RT	792.11	518139.66	709321.80
006	7+55.91	34.00' RT	792.44	518130.68	709315.13	014	7+65.91	34.00' RT	792.36	518135.19	709324.05
007	7+55.91	39.00' RT	792.52	518126.22	709317.38	015	7+65.91	39.00' RT	792.43	518130.73	709326.31
008	7+60.91	25.99' RT	792.04	518140.08	709315.98	016	7+71.91	29.00' RT	792.69	518142.36	709327.15

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 28	E

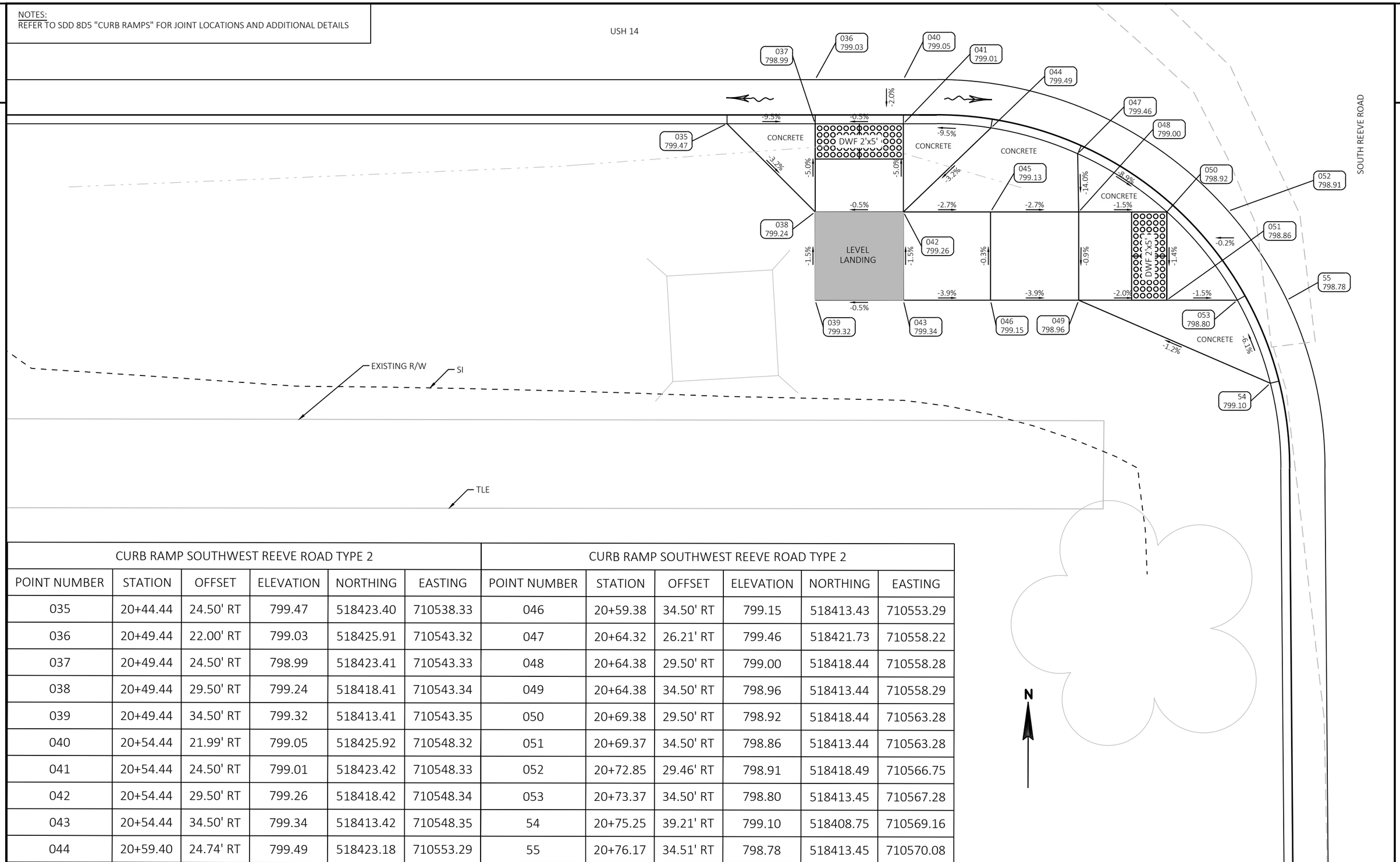
CURB RAMP NORTHEAST WALTER ROAD TYPE 3						CURB RAMP NORTHEAST WALTER ROAD TYPE 3					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
020	7+55.91	27.00' LT	792.47	518185.13	709287.61	027	7+65.91	27.01' LT	792.15	518189.65	709296.54
021	7+60.91	37.00' LT	792.26	518196.31	709287.57	028	7+65.91	24.03' LT	792.00	518186.99	709297.88
022	7+60.91	32.00' LT	792.33	518191.84	709289.83	029	7+70.91	37.00' LT	792.66	518200.82	709296.50
023	7+60.91	27.00' LT	792.08	518187.38	709292.08	030	7+70.91	32.00' LT	792.73	518196.35	709298.75
024	7+60.91	23.97' LT	792.08	518184.68	709293.45	031	7+72.91	27.00' LT	792.80	518192.79	709302.79
025	7+65.91	37.00' LT	792.32	518198.56	709292.03	032	7+75.91	37.00' LT	792.99	518203.07	709300.96
026	7+65.91	32.00' LT	792.40	518194.10	709294.29	033	7+75.91	32.00' LT	793.07	518198.61	709303.21



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 29	E

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



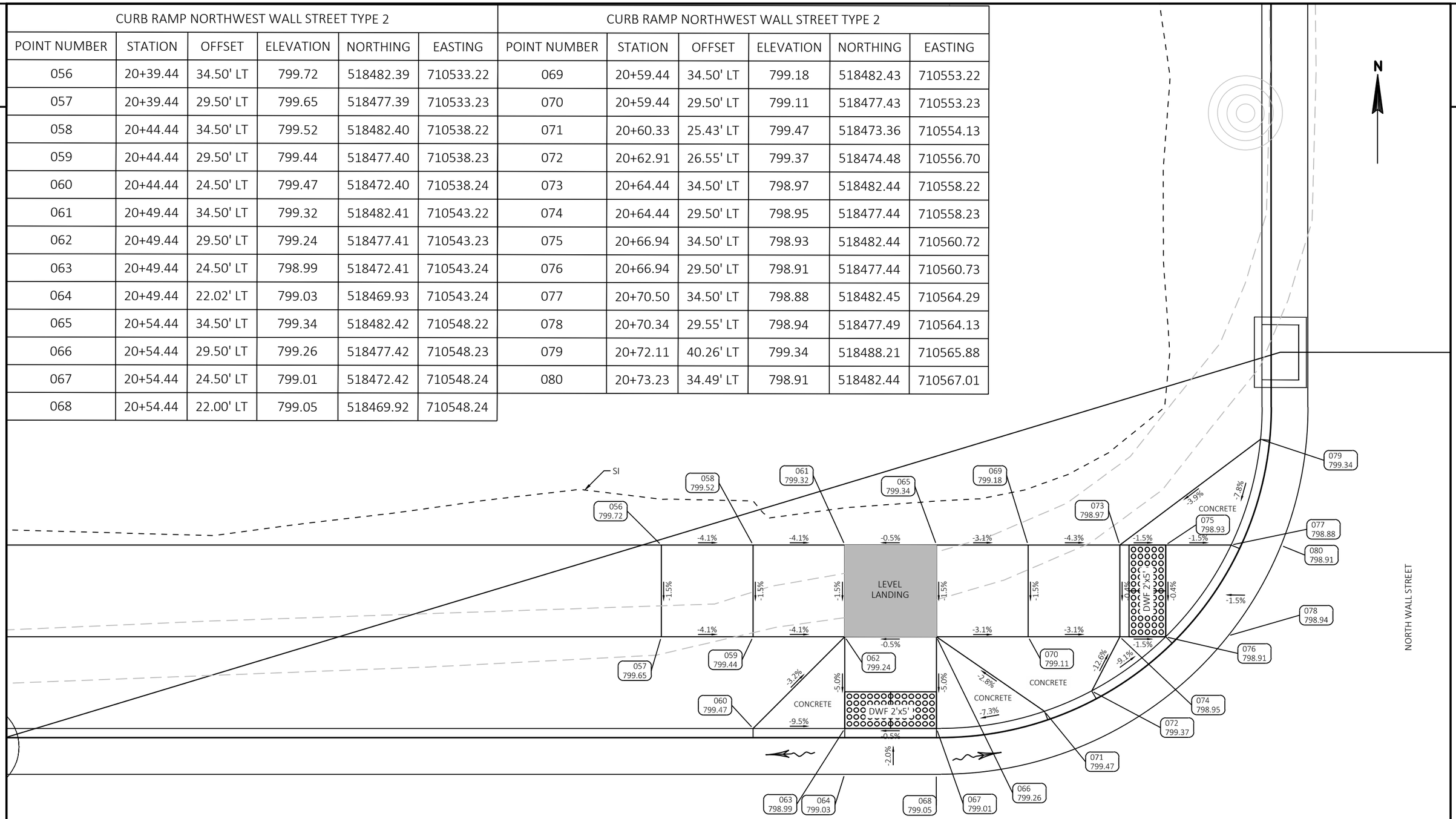
CURB RAMP SOUTHWEST REEVE ROAD TYPE 2						CURB RAMP SOUTHWEST REEVE ROAD TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
035	20+44.44	24.50' RT	799.47	518423.40	710538.33	046	20+59.38	34.50' RT	799.15	518413.43	710553.29
036	20+49.44	22.00' RT	799.03	518425.91	710543.32	047	20+64.32	26.21' RT	799.46	518421.73	710558.22
037	20+49.44	24.50' RT	798.99	518423.41	710543.33	048	20+64.38	29.50' RT	799.00	518418.44	710558.28
038	20+49.44	29.50' RT	799.24	518418.41	710543.34	049	20+64.38	34.50' RT	798.96	518413.44	710558.29
039	20+49.44	34.50' RT	799.32	518413.41	710543.35	050	20+69.38	29.50' RT	798.92	518418.44	710563.28
040	20+54.44	21.99' RT	799.05	518425.92	710548.32	051	20+69.37	34.50' RT	798.86	518413.44	710563.28
041	20+54.44	24.50' RT	799.01	518423.42	710548.33	052	20+72.85	29.46' RT	798.91	518418.49	710566.75
042	20+54.44	29.50' RT	799.26	518418.42	710548.34	053	20+73.37	34.50' RT	798.80	518413.45	710567.28
043	20+54.44	34.50' RT	799.34	518413.42	710548.35	54	20+75.25	39.21' RT	799.10	518408.75	710569.16
044	20+59.40	24.74' RT	799.49	518423.18	710553.29	55	20+76.17	34.51' RT	798.78	518413.45	710570.08

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 30	E

2

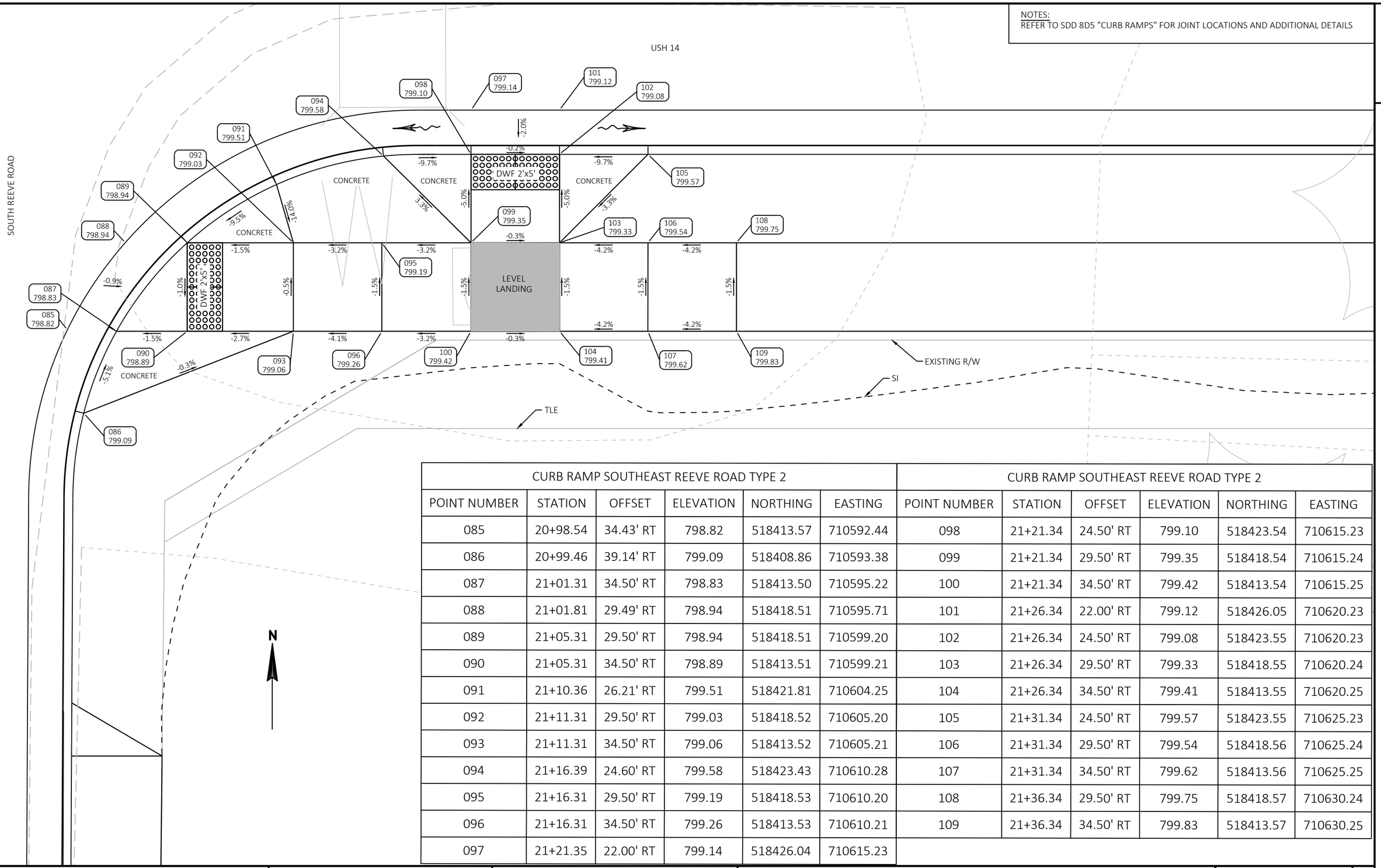
CURB RAMP NORTHWEST WALL STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
056	20+39.44	34.50' LT	799.72	518482.39	710533.22
057	20+39.44	29.50' LT	799.65	518477.39	710533.23
058	20+44.44	34.50' LT	799.52	518482.40	710538.22
059	20+44.44	29.50' LT	799.44	518477.40	710538.23
060	20+44.44	24.50' LT	799.47	518472.40	710538.24
061	20+49.44	34.50' LT	799.32	518482.41	710543.22
062	20+49.44	29.50' LT	799.24	518477.41	710543.23
063	20+49.44	24.50' LT	798.99	518472.41	710543.24
064	20+49.44	22.02' LT	799.03	518469.93	710543.24
065	20+54.44	34.50' LT	799.34	518482.42	710548.22
066	20+54.44	29.50' LT	799.26	518477.42	710548.23
067	20+54.44	24.50' LT	799.01	518472.42	710548.24
068	20+54.44	22.00' LT	799.05	518469.92	710548.24

CURB RAMP NORTHWEST WALL STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
069	20+59.44	34.50' LT	799.18	518482.43	710553.22
070	20+59.44	29.50' LT	799.11	518477.43	710553.23
071	20+60.33	25.43' LT	799.47	518473.36	710554.13
072	20+62.91	26.55' LT	799.37	518474.48	710556.70
073	20+64.44	34.50' LT	798.97	518482.44	710558.22
074	20+64.44	29.50' LT	798.95	518477.44	710558.23
075	20+66.94	34.50' LT	798.93	518482.44	710560.72
076	20+66.94	29.50' LT	798.91	518477.44	710560.73
077	20+70.50	34.50' LT	798.88	518482.45	710564.29
078	20+70.34	29.55' LT	798.94	518477.49	710564.13
079	20+72.11	40.26' LT	799.34	518488.21	710565.88
080	20+73.23	34.49' LT	798.91	518482.44	710567.01



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

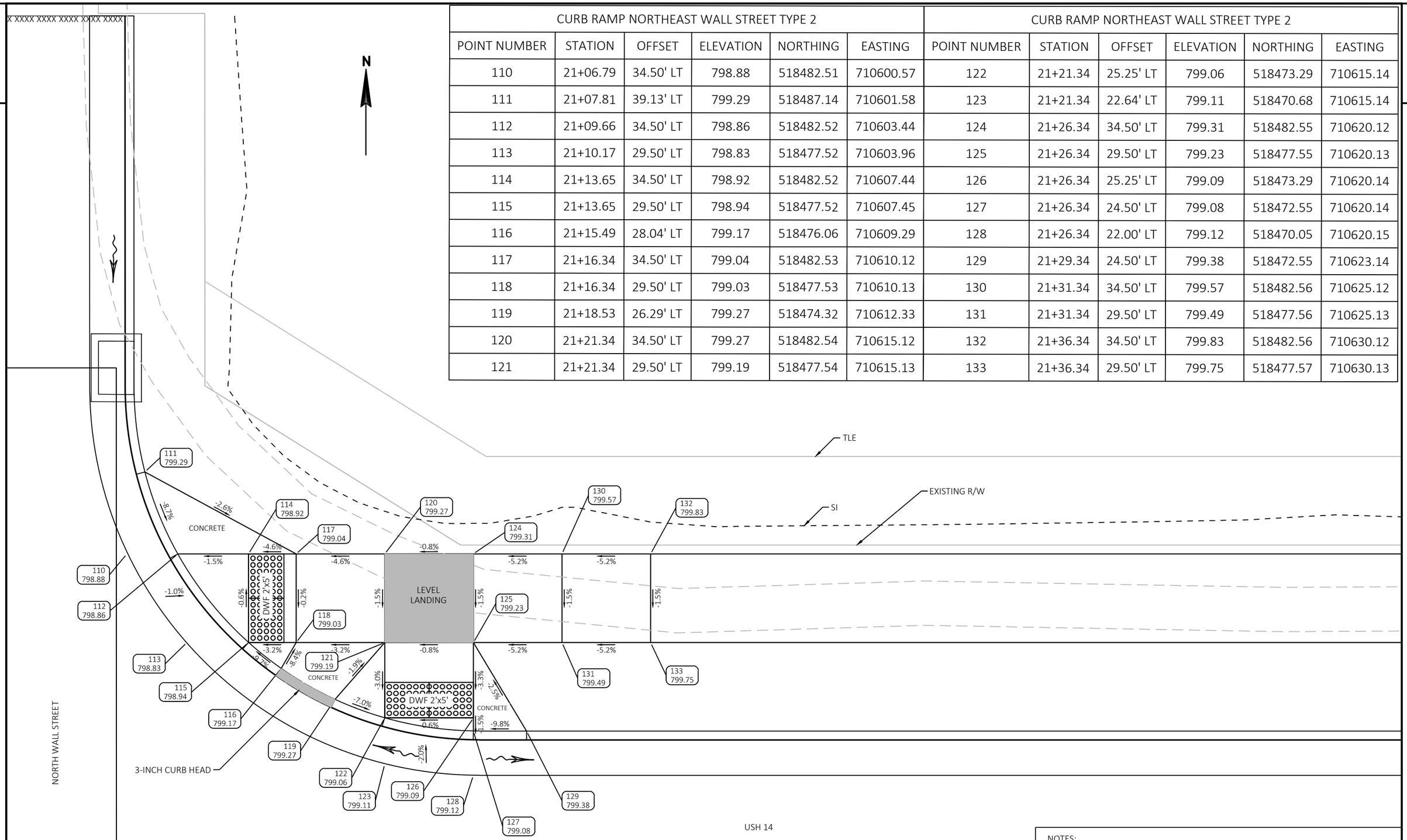


CURB RAMP SOUTHEAST REEVE ROAD TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
085	20+98.54	34.43' RT	798.82	518413.57	710592.44
086	20+99.46	39.14' RT	799.09	518408.86	710593.38
087	21+01.31	34.50' RT	798.83	518413.50	710595.22
088	21+01.81	29.49' RT	798.94	518418.51	710595.71
089	21+05.31	29.50' RT	798.94	518418.51	710599.20
090	21+05.31	34.50' RT	798.89	518413.51	710599.21
091	21+10.36	26.21' RT	799.51	518421.81	710604.25
092	21+11.31	29.50' RT	799.03	518418.52	710605.20
093	21+11.31	34.50' RT	799.06	518413.52	710605.21
094	21+16.39	24.60' RT	799.58	518423.43	710610.28
095	21+16.31	29.50' RT	799.19	518418.53	710610.20
096	21+16.31	34.50' RT	799.26	518413.53	710610.21
097	21+21.35	22.00' RT	799.14	518426.04	710615.23

CURB RAMP SOUTHEAST REEVE ROAD TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
098	21+21.34	24.50' RT	799.10	518423.54	710615.23
099	21+21.34	29.50' RT	799.35	518418.54	710615.24
100	21+21.34	34.50' RT	799.42	518413.54	710615.25
101	21+26.34	22.00' RT	799.12	518426.05	710620.23
102	21+26.34	24.50' RT	799.08	518423.55	710620.23
103	21+26.34	29.50' RT	799.33	518418.55	710620.24
104	21+26.34	34.50' RT	799.41	518413.55	710620.25
105	21+31.34	24.50' RT	799.57	518423.55	710625.23
106	21+31.34	29.50' RT	799.54	518418.56	710625.24
107	21+31.34	34.50' RT	799.62	518413.56	710625.25
108	21+36.34	29.50' RT	799.75	518418.57	710630.24
109	21+36.34	34.50' RT	799.83	518413.57	710630.25

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 32	E

CURB RAMP NORTHEAST WALL STREET TYPE 2						CURB RAMP NORTHEAST WALL STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
110	21+06.79	34.50' LT	798.88	518482.51	710600.57	122	21+21.34	25.25' LT	799.06	518473.29	710615.14
111	21+07.81	39.13' LT	799.29	518487.14	710601.58	123	21+21.34	22.64' LT	799.11	518470.68	710615.14
112	21+09.66	34.50' LT	798.86	518482.52	710603.44	124	21+26.34	34.50' LT	799.31	518482.55	710620.12
113	21+10.17	29.50' LT	798.83	518477.52	710603.96	125	21+26.34	29.50' LT	799.23	518477.55	710620.13
114	21+13.65	34.50' LT	798.92	518482.52	710607.44	126	21+26.34	25.25' LT	799.09	518473.29	710620.14
115	21+13.65	29.50' LT	798.94	518477.52	710607.45	127	21+26.34	24.50' LT	799.08	518472.55	710620.14
116	21+15.49	28.04' LT	799.17	518476.06	710609.29	128	21+26.34	22.00' LT	799.12	518470.05	710620.15
117	21+16.34	34.50' LT	799.04	518482.53	710610.12	129	21+29.34	24.50' LT	799.38	518472.55	710623.14
118	21+16.34	29.50' LT	799.03	518477.53	710610.13	130	21+31.34	34.50' LT	799.57	518482.56	710625.12
119	21+18.53	26.29' LT	799.27	518474.32	710612.33	131	21+31.34	29.50' LT	799.49	518477.56	710625.13
120	21+21.34	34.50' LT	799.27	518482.54	710615.12	132	21+36.34	34.50' LT	799.83	518482.56	710630.12
121	21+21.34	29.50' LT	799.19	518477.54	710615.13	133	21+36.34	29.50' LT	799.75	518477.57	710630.13

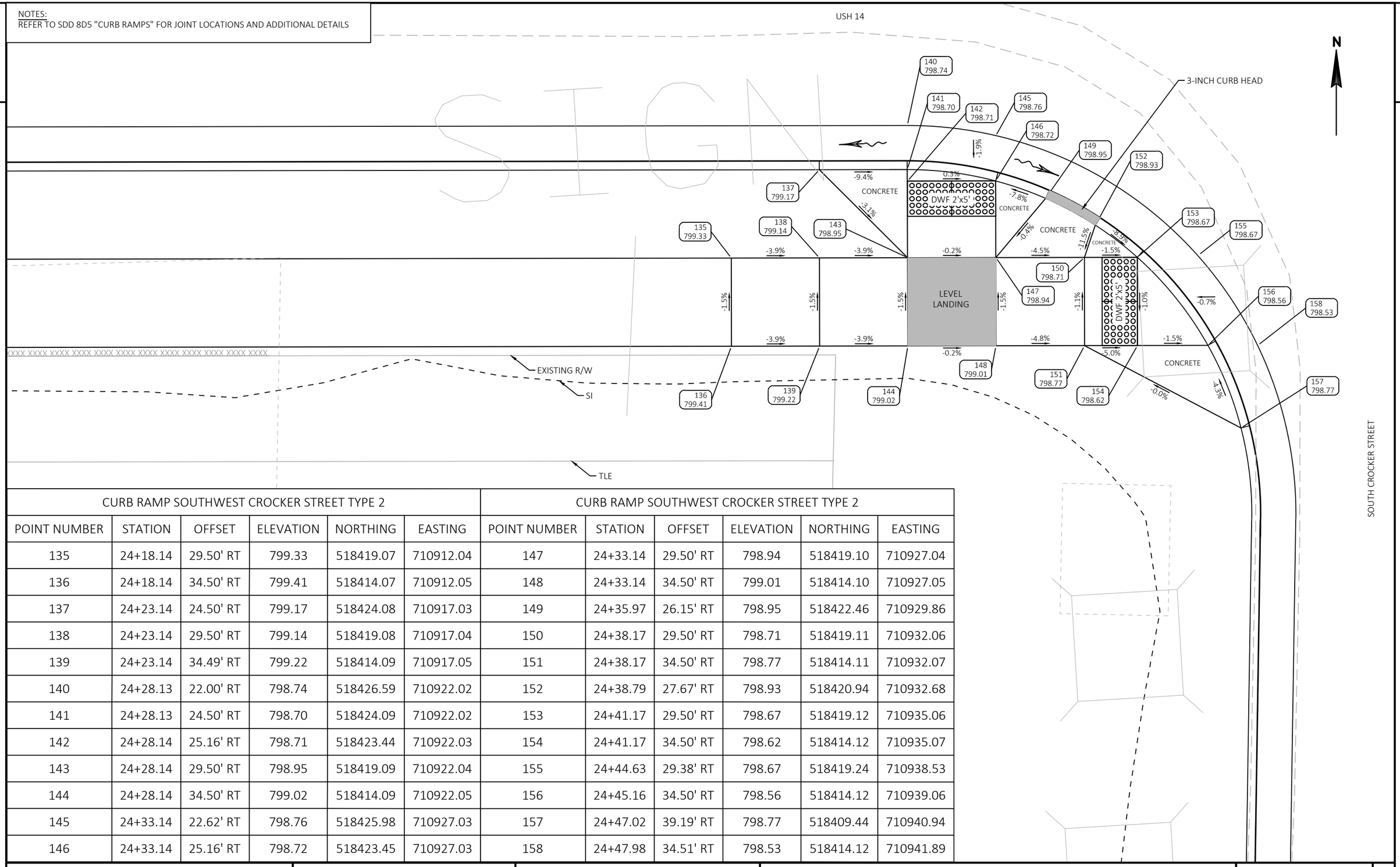


NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 33	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 5
PLOT DATE : 7/31/2020 10:36 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

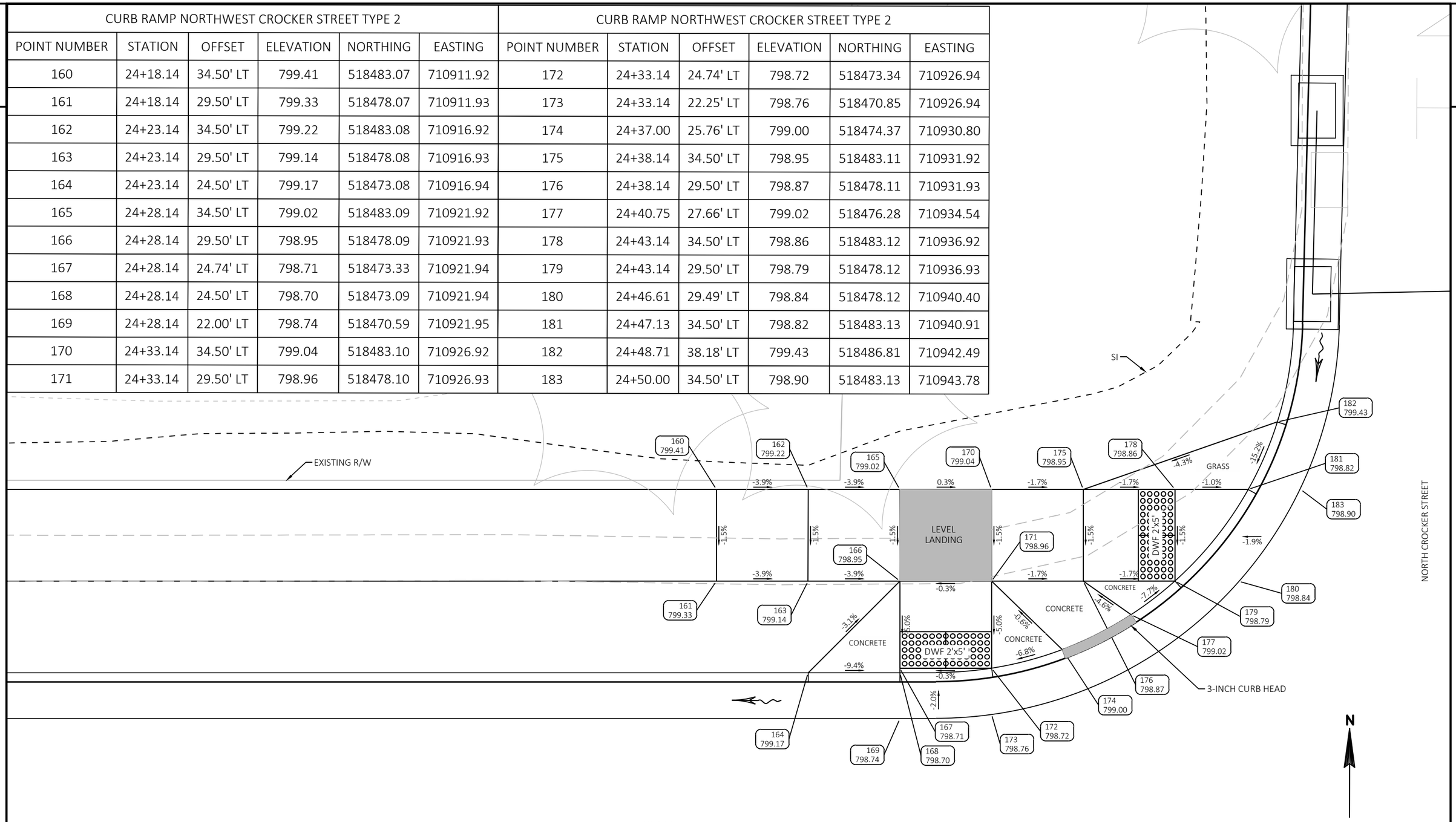


CURB RAMP SOUTHWEST CROCKER STREET TYPE 2						CURB RAMP SOUTHWEST CROCKER STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
135	24+18.14	29.50' RT	799.33	518419.07	710912.04	147	24+33.14	29.50' RT	798.94	518419.10	710927.04
136	24+18.14	34.50' RT	799.41	518414.07	710912.05	148	24+33.14	34.50' RT	799.01	518414.10	710927.05
137	24+23.14	24.50' RT	799.17	518424.08	710917.03	149	24+35.97	26.15' RT	798.95	518422.46	710929.86
138	24+23.14	29.50' RT	799.14	518419.08	710917.04	150	24+38.17	29.50' RT	798.71	518419.11	710932.06
139	24+23.14	34.49' RT	799.22	518414.09	710917.05	151	24+38.17	34.50' RT	798.77	518414.11	710932.07
140	24+28.13	22.00' RT	798.74	518426.59	710922.02	152	24+38.79	27.67' RT	798.93	518420.94	710932.68
141	24+28.13	24.50' RT	798.70	518424.09	710922.02	153	24+41.17	29.50' RT	798.67	518419.12	710935.06
142	24+28.14	25.16' RT	798.71	518423.44	710922.03	154	24+41.17	34.50' RT	798.62	518414.12	710935.07
143	24+28.14	29.50' RT	798.95	518419.09	710922.04	155	24+44.63	29.38' RT	798.67	518419.24	710938.53
144	24+28.14	34.50' RT	799.02	518414.09	710922.05	156	24+45.16	34.50' RT	798.56	518414.12	710939.06
145	24+33.14	22.62' RT	798.76	518425.98	710927.03	157	24+47.02	39.19' RT	798.77	518409.44	710940.94
146	24+33.14	25.16' RT	798.72	518423.45	710927.03	158	24+47.98	34.51' RT	798.53	518414.12	710941.89

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 34	E

CURB RAMP NORTHWEST CROCKER STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
160	24+18.14	34.50' LT	799.41	518483.07	710911.92
161	24+18.14	29.50' LT	799.33	518478.07	710911.93
162	24+23.14	34.50' LT	799.22	518483.08	710916.92
163	24+23.14	29.50' LT	799.14	518478.08	710916.93
164	24+23.14	24.50' LT	799.17	518473.08	710916.94
165	24+28.14	34.50' LT	799.02	518483.09	710921.92
166	24+28.14	29.50' LT	798.95	518478.09	710921.93
167	24+28.14	24.74' LT	798.71	518473.33	710921.94
168	24+28.14	24.50' LT	798.70	518473.09	710921.94
169	24+28.14	22.00' LT	798.74	518470.59	710921.95
170	24+33.14	34.50' LT	799.04	518483.10	710926.92
171	24+33.14	29.50' LT	798.96	518478.10	710926.93

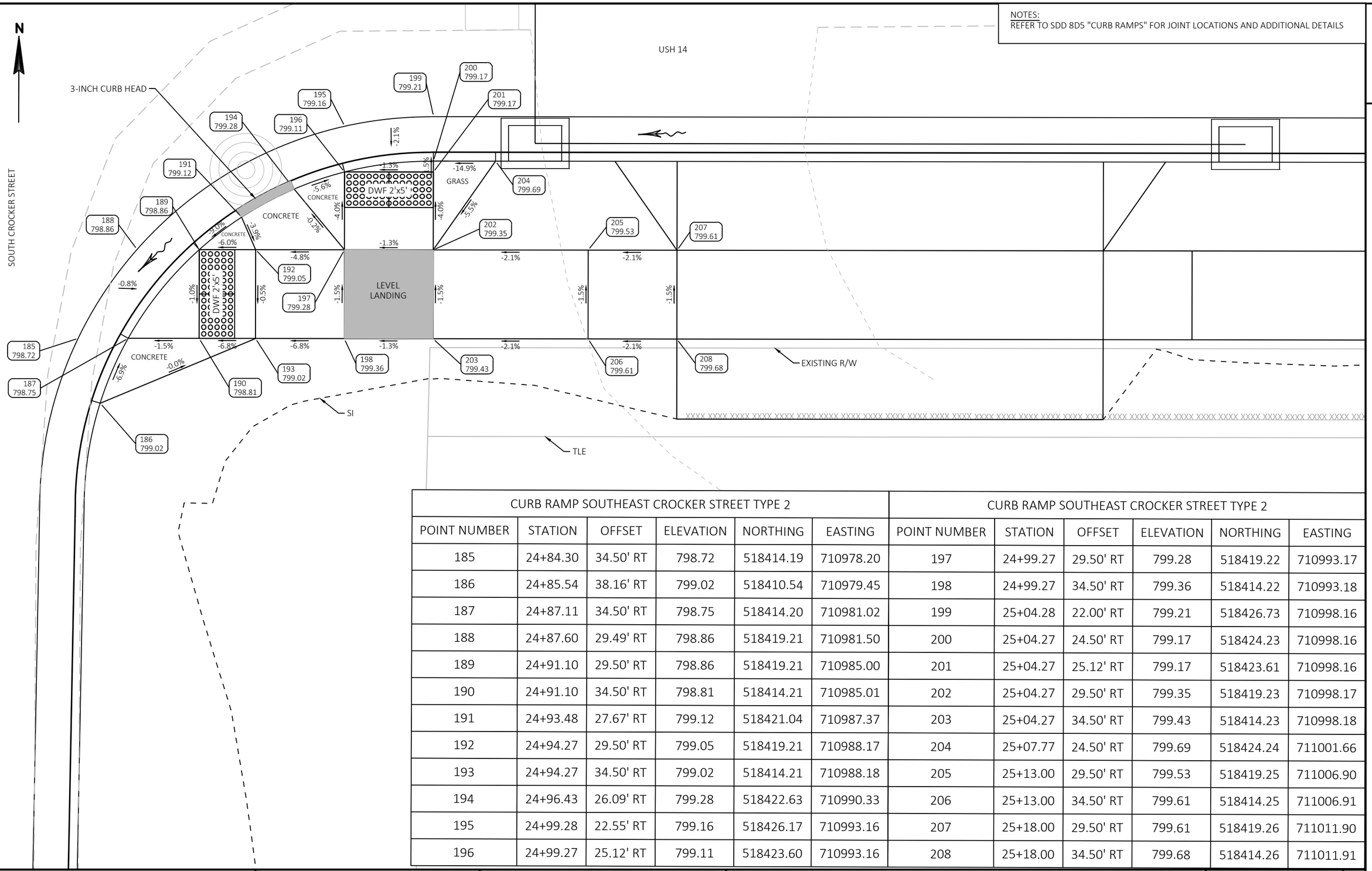
CURB RAMP NORTHWEST CROCKER STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
172	24+33.14	24.74' LT	798.72	518473.34	710926.94
173	24+33.14	22.25' LT	798.76	518470.85	710926.94
174	24+37.00	25.76' LT	799.00	518474.37	710930.80
175	24+38.14	34.50' LT	798.95	518483.11	710931.92
176	24+38.14	29.50' LT	798.87	518478.11	710931.93
177	24+40.75	27.66' LT	799.02	518476.28	710934.54
178	24+43.14	34.50' LT	798.86	518483.12	710936.92
179	24+43.14	29.50' LT	798.79	518478.12	710936.93
180	24+46.61	29.49' LT	798.84	518478.12	710940.40
181	24+47.13	34.50' LT	798.82	518483.13	710940.91
182	24+48.71	38.18' LT	799.43	518486.81	710942.49
183	24+50.00	34.50' LT	798.90	518483.13	710943.78



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 35	E

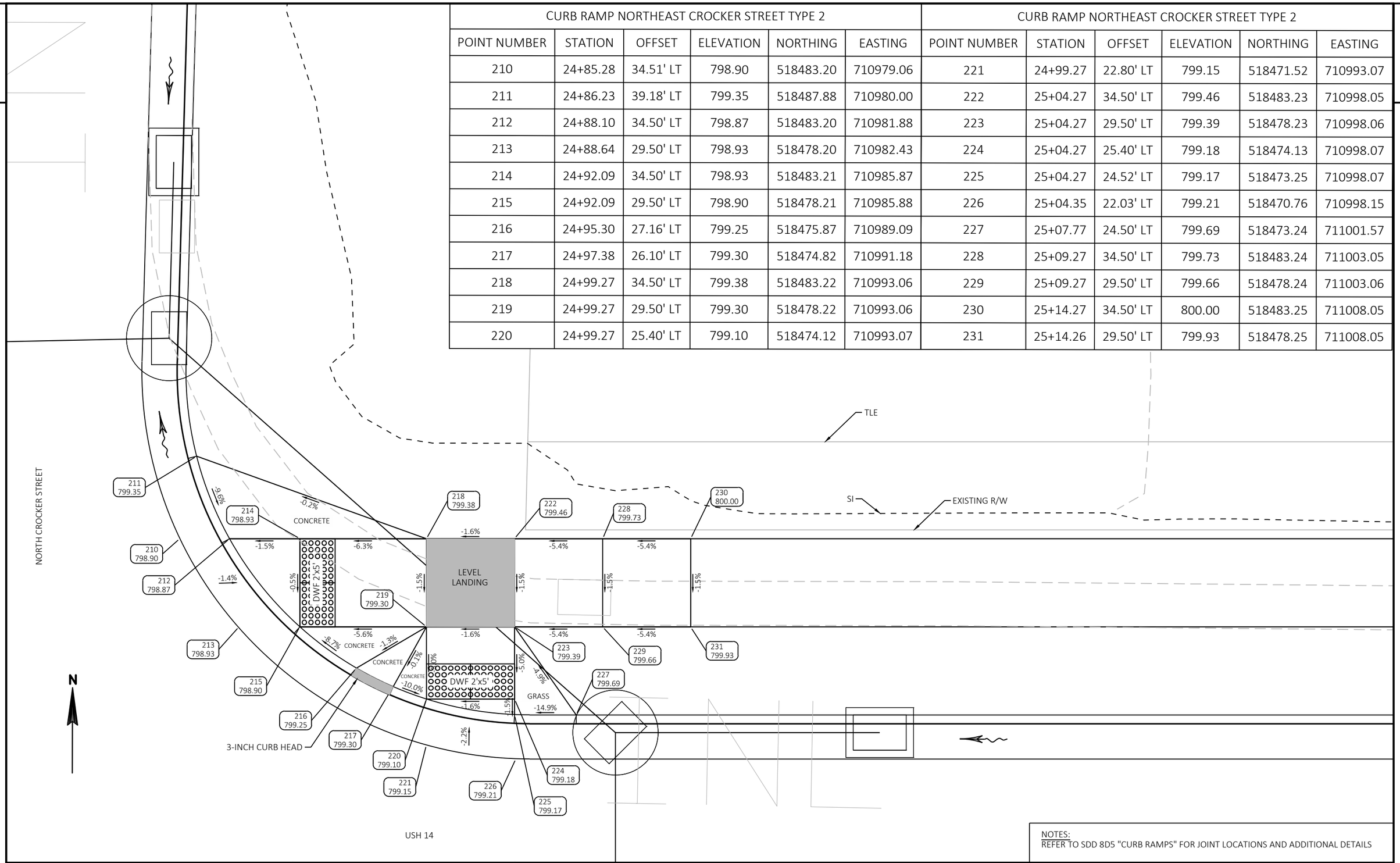
NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP SOUTHEAST CROCKER STREET TYPE 2						CURB RAMP SOUTHEAST CROCKER STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
185	24+84.30	34.50' RT	798.72	518414.19	710978.20	197	24+99.27	29.50' RT	799.28	518419.22	710993.17
186	24+85.54	38.16' RT	799.02	518410.54	710979.45	198	24+99.27	34.50' RT	799.36	518414.22	710993.18
187	24+87.11	34.50' RT	798.75	518414.20	710981.02	199	25+04.28	22.00' RT	799.21	518426.73	710998.16
188	24+87.60	29.49' RT	798.86	518419.21	710981.50	200	25+04.27	24.50' RT	799.17	518424.23	710998.16
189	24+91.10	29.50' RT	798.86	518419.21	710985.00	201	25+04.27	25.12' RT	799.17	518423.61	710998.16
190	24+91.10	34.50' RT	798.81	518414.21	710985.01	202	25+04.27	29.50' RT	799.35	518419.23	710998.17
191	24+93.48	27.67' RT	799.12	518421.04	710987.37	203	25+04.27	34.50' RT	799.43	518414.23	710998.18
192	24+94.27	29.50' RT	799.05	518419.21	710988.17	204	25+07.77	24.50' RT	799.69	518424.24	711001.66
193	24+94.27	34.50' RT	799.02	518414.21	710988.18	205	25+13.00	29.50' RT	799.53	518419.25	711006.90
194	24+96.43	26.09' RT	799.28	518422.63	710990.33	206	25+13.00	34.50' RT	799.61	518414.25	711006.91
195	24+99.28	22.55' RT	799.16	518426.17	710993.16	207	25+18.00	29.50' RT	799.61	518419.26	711011.90
196	24+99.27	25.12' RT	799.11	518423.60	710993.16	208	25+18.00	34.50' RT	799.68	518414.26	711011.91

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 36	E

CURB RAMP NORTHEAST CROCKER STREET TYPE 2						CURB RAMP NORTHEAST CROCKER STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
210	24+85.28	34.51' LT	798.90	518483.20	710979.06	221	24+99.27	22.80' LT	799.15	518471.52	710993.07
211	24+86.23	39.18' LT	799.35	518487.88	710980.00	222	25+04.27	34.50' LT	799.46	518483.23	710998.05
212	24+88.10	34.50' LT	798.87	518483.20	710981.88	223	25+04.27	29.50' LT	799.39	518478.23	710998.06
213	24+88.64	29.50' LT	798.93	518478.20	710982.43	224	25+04.27	25.40' LT	799.18	518474.13	710998.07
214	24+92.09	34.50' LT	798.93	518483.21	710985.87	225	25+04.27	24.52' LT	799.17	518473.25	710998.07
215	24+92.09	29.50' LT	798.90	518478.21	710985.88	226	25+04.35	22.03' LT	799.21	518470.76	710998.15
216	24+95.30	27.16' LT	799.25	518475.87	710989.09	227	25+07.77	24.50' LT	799.69	518473.24	711001.57
217	24+97.38	26.10' LT	799.30	518474.82	710991.18	228	25+09.27	34.50' LT	799.73	518483.24	711003.05
218	24+99.27	34.50' LT	799.38	518483.22	710993.06	229	25+09.27	29.50' LT	799.66	518478.24	711003.06
219	24+99.27	29.50' LT	799.30	518478.22	710993.06	230	25+14.27	34.50' LT	800.00	518483.25	711008.05
220	24+99.27	25.40' LT	799.10	518474.12	710993.07	231	25+14.26	29.50' LT	799.93	518478.25	711008.05

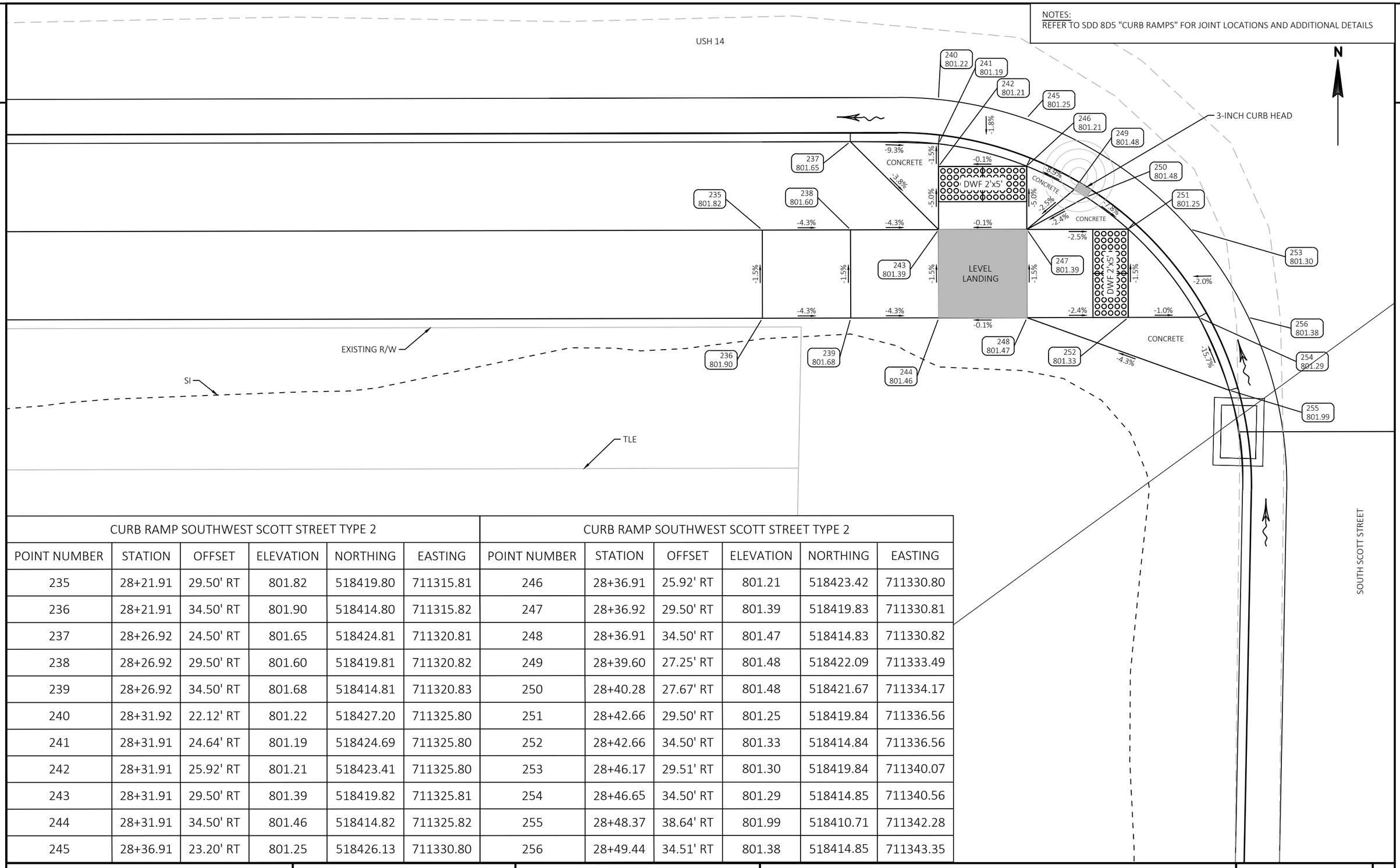


NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 37	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 12
PLOT DATE : 7/31/2020 10:37 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP SOUTHWEST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
235	28+21.91	29.50' RT	801.82	518419.80	711315.81
236	28+21.91	34.50' RT	801.90	518414.80	711315.82
237	28+26.92	24.50' RT	801.65	518424.81	711320.81
238	28+26.92	29.50' RT	801.60	518419.81	711320.82
239	28+26.92	34.50' RT	801.68	518414.81	711320.83
240	28+31.92	22.12' RT	801.22	518427.20	711325.80
241	28+31.91	24.64' RT	801.19	518424.69	711325.80
242	28+31.91	25.92' RT	801.21	518423.41	711325.80
243	28+31.91	29.50' RT	801.39	518419.82	711325.81
244	28+31.91	34.50' RT	801.46	518414.82	711325.82
245	28+36.91	23.20' RT	801.25	518426.13	711330.80

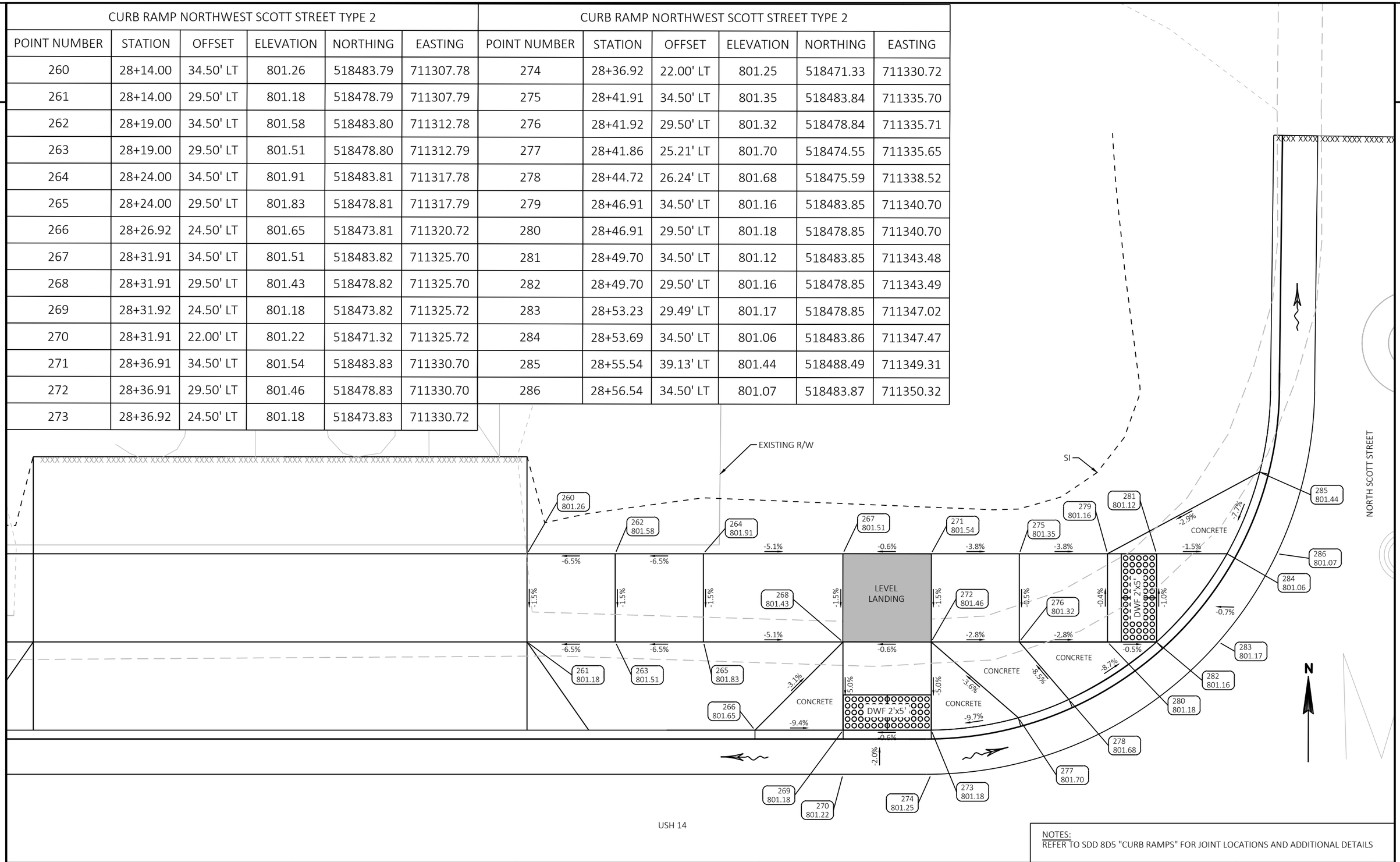
CURB RAMP SOUTHWEST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
246	28+36.91	25.92' RT	801.21	518423.42	711330.80
247	28+36.92	29.50' RT	801.39	518419.83	711330.81
248	28+36.91	34.50' RT	801.47	518414.83	711330.82
249	28+39.60	27.25' RT	801.48	518422.09	711333.49
250	28+40.28	27.67' RT	801.48	518421.67	711334.17
251	28+42.66	29.50' RT	801.25	518419.84	711336.56
252	28+42.66	34.50' RT	801.33	518414.84	711336.56
253	28+46.17	29.51' RT	801.30	518419.84	711340.07
254	28+46.65	34.50' RT	801.29	518414.85	711340.56
255	28+48.37	38.64' RT	801.99	518410.71	711342.28
256	28+49.44	34.51' RT	801.38	518414.85	711343.35

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 38	E

2

CURB RAMP NORTHWEST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
260	28+14.00	34.50' LT	801.26	518483.79	711307.78
261	28+14.00	29.50' LT	801.18	518478.79	711307.79
262	28+19.00	34.50' LT	801.58	518483.80	711312.78
263	28+19.00	29.50' LT	801.51	518478.80	711312.79
264	28+24.00	34.50' LT	801.91	518483.81	711317.78
265	28+24.00	29.50' LT	801.83	518478.81	711317.79
266	28+26.92	24.50' LT	801.65	518473.81	711320.72
267	28+31.91	34.50' LT	801.51	518483.82	711325.70
268	28+31.91	29.50' LT	801.43	518478.82	711325.70
269	28+31.92	24.50' LT	801.18	518473.82	711325.72
270	28+31.91	22.00' LT	801.22	518471.32	711325.72
271	28+36.91	34.50' LT	801.54	518483.83	711330.70
272	28+36.91	29.50' LT	801.46	518478.83	711330.70
273	28+36.92	24.50' LT	801.18	518473.83	711330.72

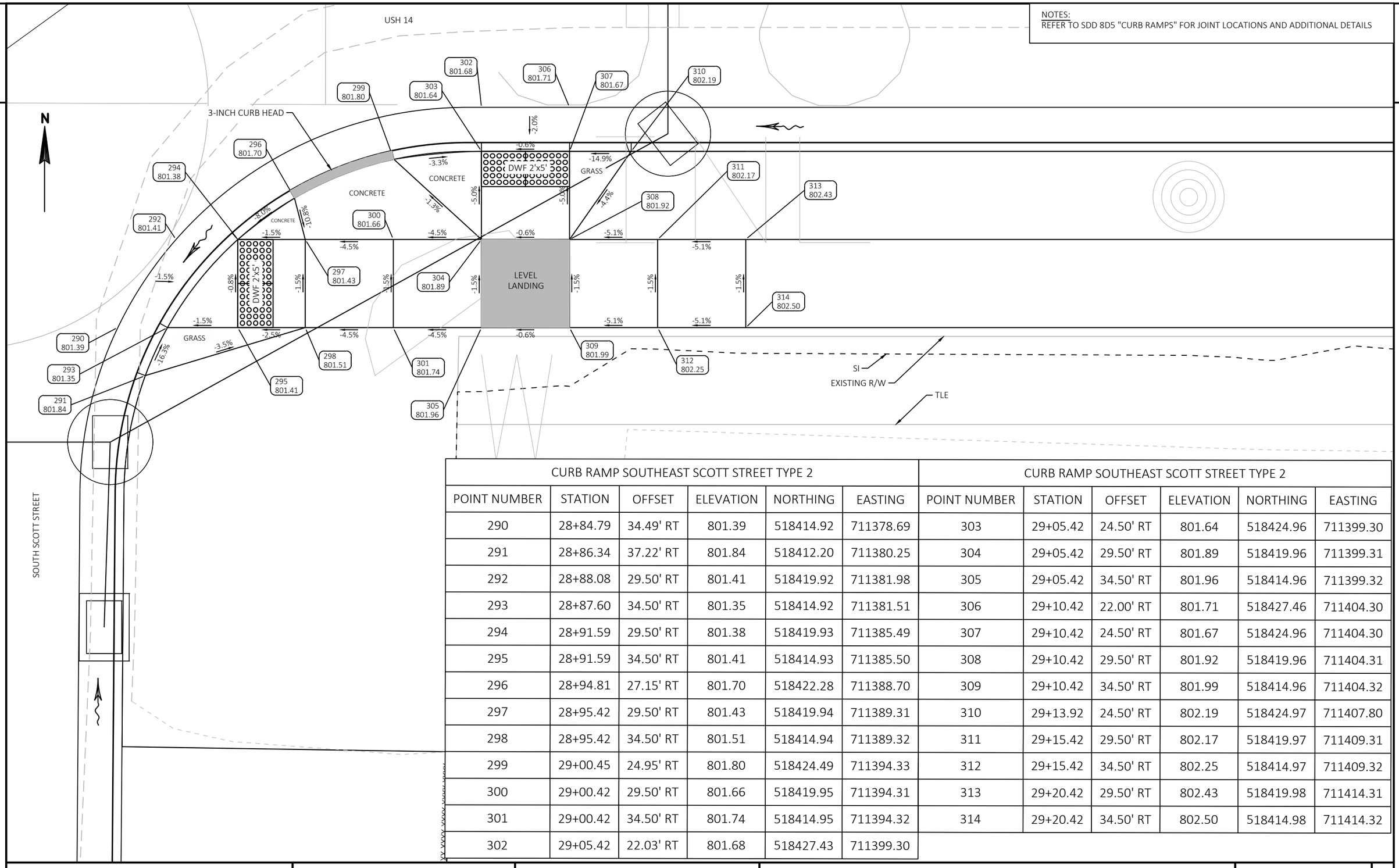
CURB RAMP NORTHWEST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
274	28+36.92	22.00' LT	801.25	518471.33	711330.72
275	28+41.91	34.50' LT	801.35	518483.84	711335.70
276	28+41.92	29.50' LT	801.32	518478.84	711335.71
277	28+41.86	25.21' LT	801.70	518474.55	711335.65
278	28+44.72	26.24' LT	801.68	518475.59	711338.52
279	28+46.91	34.50' LT	801.16	518483.85	711340.70
280	28+46.91	29.50' LT	801.18	518478.85	711340.70
281	28+49.70	34.50' LT	801.12	518483.85	711343.48
282	28+49.70	29.50' LT	801.16	518478.85	711343.49
283	28+53.23	29.49' LT	801.17	518478.85	711347.02
284	28+53.69	34.50' LT	801.06	518483.86	711347.47
285	28+55.54	39.13' LT	801.44	518488.49	711349.31
286	28+56.54	34.50' LT	801.07	518483.87	711350.32



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 39	E

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

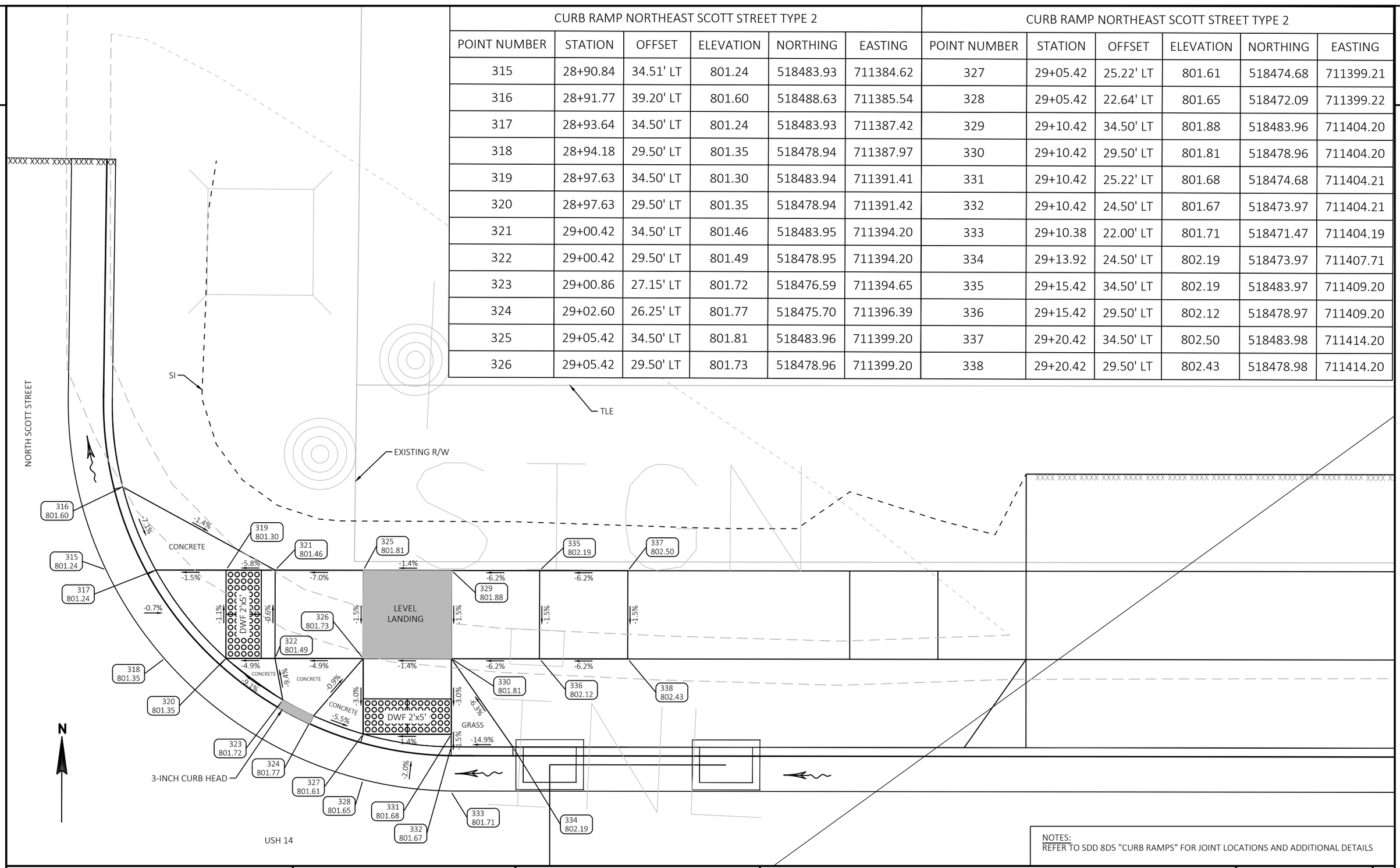


CURB RAMP SOUTHEAST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
290	28+84.79	34.49' RT	801.39	518414.92	711378.69
291	28+86.34	37.22' RT	801.84	518412.20	711380.25
292	28+88.08	29.50' RT	801.41	518419.92	711381.98
293	28+87.60	34.50' RT	801.35	518414.92	711381.51
294	28+91.59	29.50' RT	801.38	518419.93	711385.49
295	28+91.59	34.50' RT	801.41	518414.93	711385.50
296	28+94.81	27.15' RT	801.70	518422.28	711388.70
297	28+95.42	29.50' RT	801.43	518419.94	711389.31
298	28+95.42	34.50' RT	801.51	518414.94	711389.32
299	29+00.45	24.95' RT	801.80	518424.49	711394.33
300	29+00.42	29.50' RT	801.66	518419.95	711394.31
301	29+00.42	34.50' RT	801.74	518414.95	711394.32
302	29+05.42	22.03' RT	801.68	518427.43	711399.30

CURB RAMP SOUTHEAST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
303	29+05.42	24.50' RT	801.64	518424.96	711399.30
304	29+05.42	29.50' RT	801.89	518419.96	711399.31
305	29+05.42	34.50' RT	801.96	518414.96	711399.32
306	29+10.42	22.00' RT	801.71	518427.46	711404.30
307	29+10.42	24.50' RT	801.67	518424.96	711404.30
308	29+10.42	29.50' RT	801.92	518419.96	711404.31
309	29+10.42	34.50' RT	801.99	518414.96	711404.32
310	29+13.92	24.50' RT	802.19	518424.97	711407.80
311	29+15.42	29.50' RT	802.17	518419.97	711409.31
312	29+15.42	34.50' RT	802.25	518414.97	711409.32
313	29+20.42	29.50' RT	802.43	518419.98	711414.31
314	29+20.42	34.50' RT	802.50	518414.98	711414.32

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 40	E

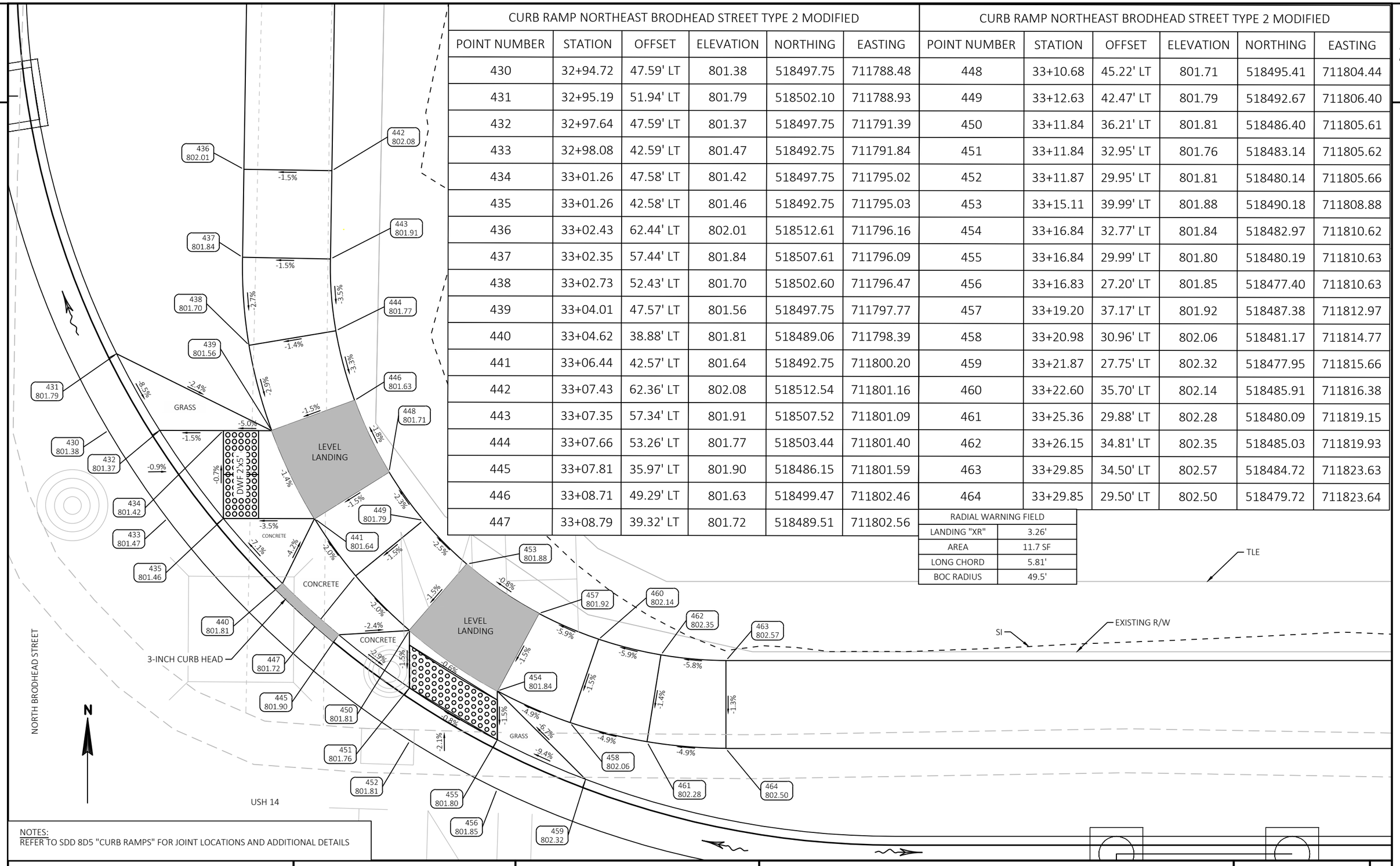
CURB RAMP NORTHEAST SCOTT STREET TYPE 2						CURB RAMP NORTHEAST SCOTT STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
315	28+90.84	34.51' LT	801.24	518483.93	711384.62	327	29+05.42	25.22' LT	801.61	518474.68	711399.21
316	28+91.77	39.20' LT	801.60	518488.63	711385.54	328	29+05.42	22.64' LT	801.65	518472.09	711399.22
317	28+93.64	34.50' LT	801.24	518483.93	711387.42	329	29+10.42	34.50' LT	801.88	518483.96	711404.20
318	28+94.18	29.50' LT	801.35	518478.94	711387.97	330	29+10.42	29.50' LT	801.81	518478.96	711404.20
319	28+97.63	34.50' LT	801.30	518483.94	711391.41	331	29+10.42	25.22' LT	801.68	518474.68	711404.21
320	28+97.63	29.50' LT	801.35	518478.94	711391.42	332	29+10.42	24.50' LT	801.67	518473.97	711404.21
321	29+00.42	34.50' LT	801.46	518483.95	711394.20	333	29+10.38	22.00' LT	801.71	518471.47	711404.19
322	29+00.42	29.50' LT	801.49	518478.95	711394.20	334	29+13.92	24.50' LT	802.19	518473.97	711407.71
323	29+00.86	27.15' LT	801.72	518476.59	711394.65	335	29+15.42	34.50' LT	802.19	518483.97	711409.20
324	29+02.60	26.25' LT	801.77	518475.70	711396.39	336	29+15.42	29.50' LT	802.12	518478.97	711409.20
325	29+05.42	34.50' LT	801.81	518483.96	711399.20	337	29+20.42	34.50' LT	802.50	518483.98	711414.20
326	29+05.42	29.50' LT	801.73	518478.96	711399.20	338	29+20.42	29.50' LT	802.43	518478.98	711414.20



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 41	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 14
PLOT DATE : 7/31/2020 10:37 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:5 FT



CURB RAMP NORTHEAST BRODHEAD STREET TYPE 2 MODIFIED					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
430	32+94.72	47.59' LT	801.38	518497.75	711788.48
431	32+95.19	51.94' LT	801.79	518502.10	711788.93
432	32+97.64	47.59' LT	801.37	518497.75	711791.39
433	32+98.08	42.59' LT	801.47	518492.75	711791.84
434	33+01.26	47.58' LT	801.42	518497.75	711795.02
435	33+01.26	42.58' LT	801.46	518492.75	711795.03
436	33+02.43	62.44' LT	802.01	518512.61	711796.16
437	33+02.35	57.44' LT	801.84	518507.61	711796.09
438	33+02.73	52.43' LT	801.70	518502.60	711796.47
439	33+04.01	47.57' LT	801.56	518497.75	711797.77
440	33+04.62	38.88' LT	801.81	518489.06	711798.39
441	33+06.44	42.57' LT	801.64	518492.75	711800.20
442	33+07.43	62.36' LT	802.08	518512.54	711801.16
443	33+07.35	57.34' LT	801.91	518507.52	711801.09
444	33+07.66	53.26' LT	801.77	518503.44	711801.40
445	33+07.81	35.97' LT	801.90	518486.15	711801.59
446	33+08.71	49.29' LT	801.63	518499.47	711802.46
447	33+08.79	39.32' LT	801.72	518489.51	711802.56

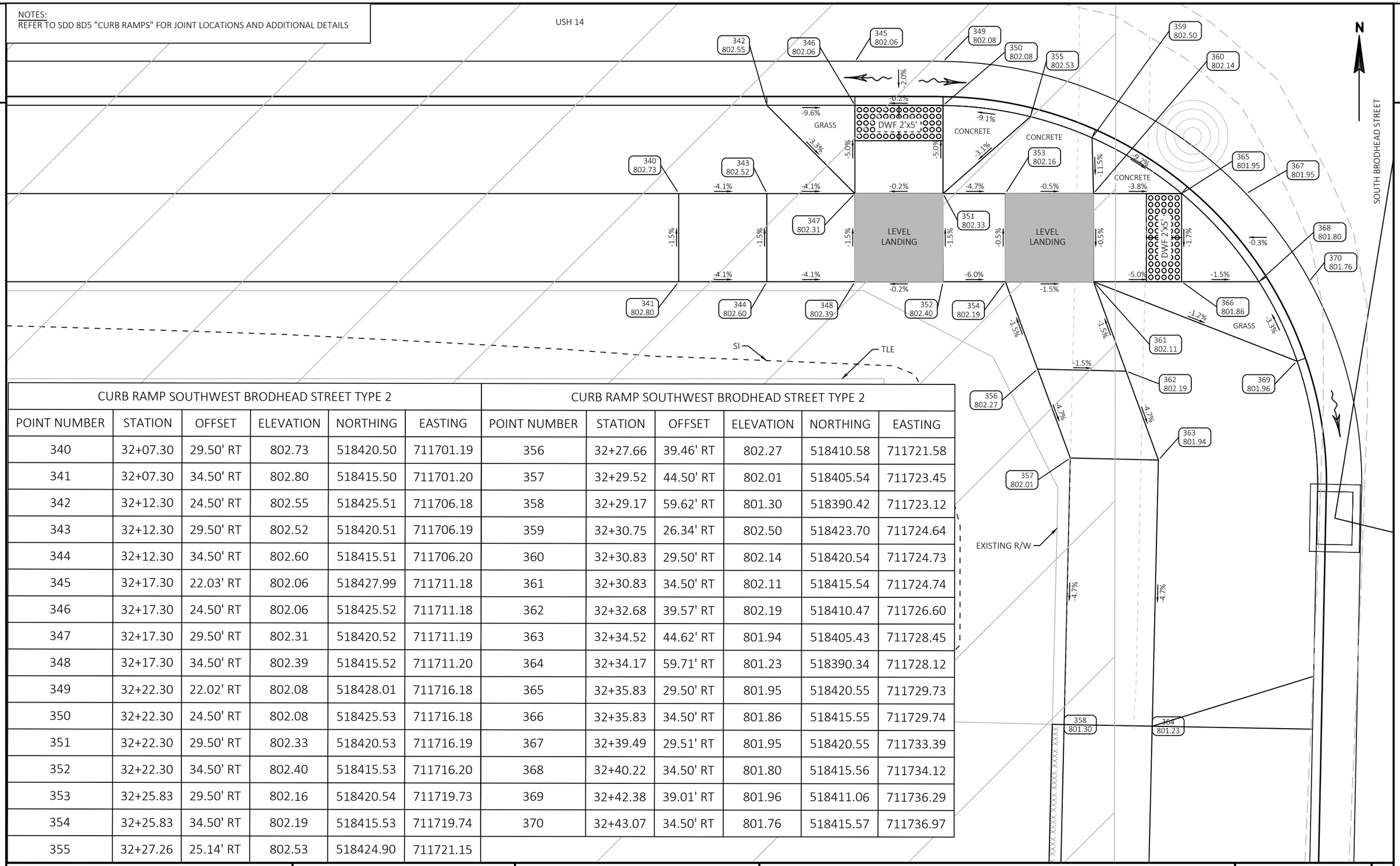
CURB RAMP NORTHEAST BRODHEAD STREET TYPE 2 MODIFIED					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
448	33+10.68	45.22' LT	801.71	518495.41	711804.44
449	33+12.63	42.47' LT	801.79	518492.67	711806.40
450	33+11.84	36.21' LT	801.81	518486.40	711805.61
451	33+11.84	32.95' LT	801.76	518483.14	711805.62
452	33+11.87	29.95' LT	801.81	518480.14	711805.66
453	33+15.11	39.99' LT	801.88	518490.18	711808.88
454	33+16.84	32.77' LT	801.84	518482.97	711810.62
455	33+16.84	29.99' LT	801.80	518480.19	711810.63
456	33+16.83	27.20' LT	801.85	518477.40	711810.63
457	33+19.20	37.17' LT	801.92	518487.38	711812.97
458	33+20.98	30.96' LT	802.06	518481.17	711814.77
459	33+21.87	27.75' LT	802.32	518477.95	711815.66
460	33+22.60	35.70' LT	802.14	518485.91	711816.38
461	33+25.36	29.88' LT	802.28	518480.09	711819.15
462	33+26.15	34.81' LT	802.35	518485.03	711819.93
463	33+29.85	34.50' LT	802.57	518484.72	711823.63
464	33+29.85	29.50' LT	802.50	518479.72	711823.64

RADIAL WARNING FIELD	
LANDING "XR"	3.26'
AREA	11.7 SF
LONG CHORD	5.81'
BOC RADIUS	49.5'

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 42	E

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP SOUTHWEST BRODHEAD STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
340	32+07.30	29.50' RT	802.73	518420.50	711701.19
341	32+07.30	34.50' RT	802.80	518415.50	711701.20
342	32+12.30	24.50' RT	802.55	518425.51	711706.18
343	32+12.30	29.50' RT	802.52	518420.51	711706.19
344	32+12.30	34.50' RT	802.60	518415.51	711706.20
345	32+17.30	22.03' RT	802.06	518427.99	711711.18
346	32+17.30	24.50' RT	802.06	518425.52	711711.18
347	32+17.30	29.50' RT	802.31	518420.52	711711.19
348	32+17.30	34.50' RT	802.39	518415.52	711711.20
349	32+22.30	22.02' RT	802.08	518428.01	711716.18
350	32+22.30	24.50' RT	802.08	518425.53	711716.18
351	32+22.30	29.50' RT	802.33	518420.53	711716.19
352	32+22.30	34.50' RT	802.40	518415.53	711716.20
353	32+25.83	29.50' RT	802.16	518420.54	711719.73
354	32+25.83	34.50' RT	802.19	518415.53	711719.74
355	32+27.26	25.14' RT	802.53	518424.90	711721.15

CURB RAMP SOUTHWEST BRODHEAD STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
356	32+27.66	39.46' RT	802.27	518410.58	711721.58
357	32+29.52	44.50' RT	802.01	518405.54	711723.45
358	32+29.17	59.62' RT	801.30	518390.42	711723.12
359	32+30.75	26.34' RT	802.50	518423.70	711724.64
360	32+30.83	29.50' RT	802.14	518420.54	711724.73
361	32+30.83	34.50' RT	802.11	518415.54	711724.74
362	32+32.68	39.57' RT	802.19	518410.47	711726.60
363	32+34.52	44.62' RT	801.94	518405.43	711728.45
364	32+34.17	59.71' RT	801.23	518390.34	711728.12
365	32+35.83	29.50' RT	801.95	518420.55	711729.73
366	32+35.83	34.50' RT	801.86	518415.55	711729.74
367	32+39.49	29.51' RT	801.95	518420.55	711733.39
368	32+40.22	34.50' RT	801.80	518415.56	711734.12
369	32+42.38	39.01' RT	801.96	518411.06	711736.29
370	32+43.07	34.50' RT	801.76	518415.57	711736.97

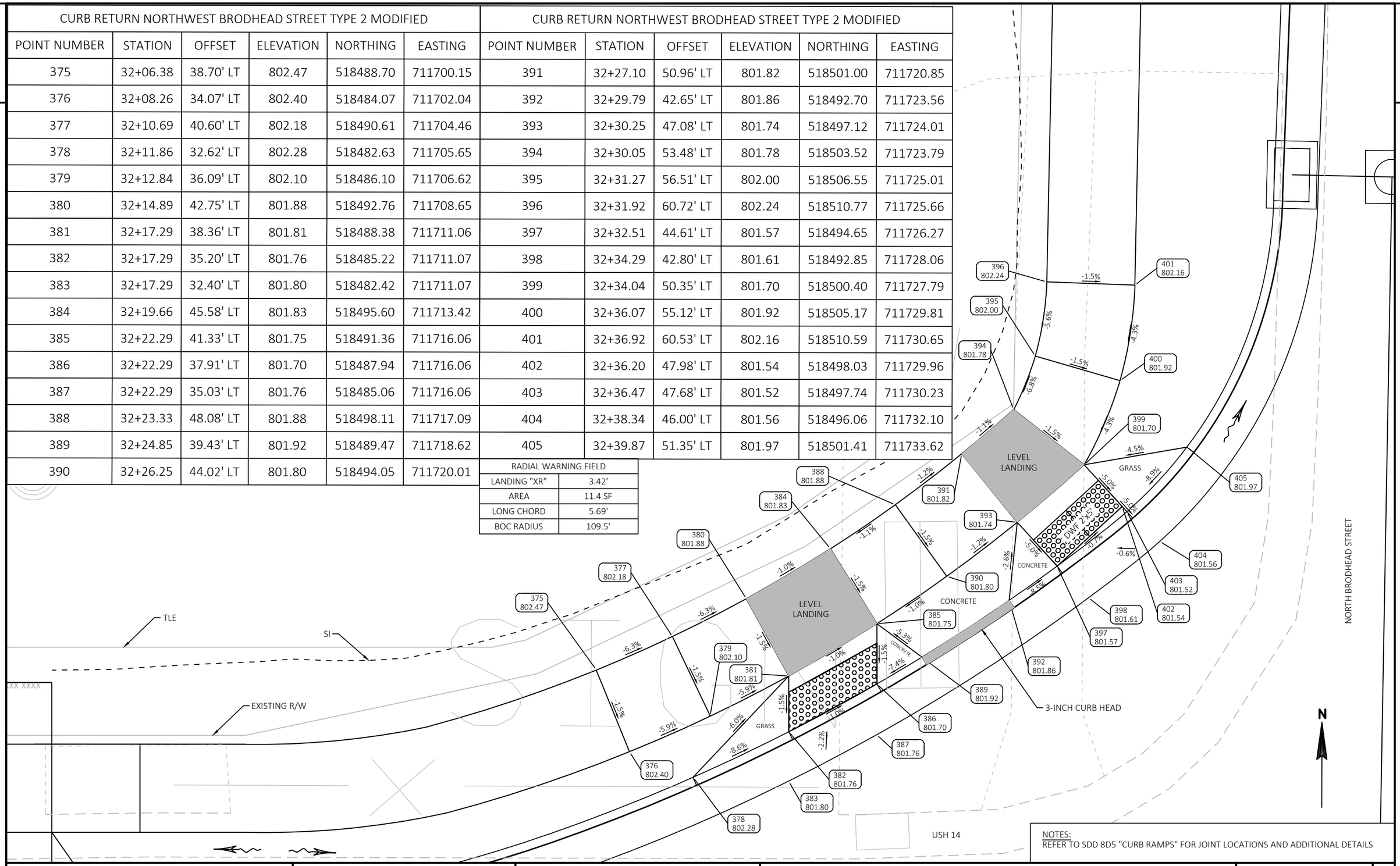
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 43	E

2

CURB RETURN NORTHWEST BRODHEAD STREET TYPE 2 MODIFIED					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
375	32+06.38	38.70' LT	802.47	518488.70	711700.15
376	32+08.26	34.07' LT	802.40	518484.07	711702.04
377	32+10.69	40.60' LT	802.18	518490.61	711704.46
378	32+11.86	32.62' LT	802.28	518482.63	711705.65
379	32+12.84	36.09' LT	802.10	518486.10	711706.62
380	32+14.89	42.75' LT	801.88	518492.76	711708.65
381	32+17.29	38.36' LT	801.81	518488.38	711711.06
382	32+17.29	35.20' LT	801.76	518485.22	711711.07
383	32+17.29	32.40' LT	801.80	518482.42	711711.07
384	32+19.66	45.58' LT	801.83	518495.60	711713.42
385	32+22.29	41.33' LT	801.75	518491.36	711716.06
386	32+22.29	37.91' LT	801.70	518487.94	711716.06
387	32+22.29	35.03' LT	801.76	518485.06	711716.06
388	32+23.33	48.08' LT	801.88	518498.11	711717.09
389	32+24.85	39.43' LT	801.92	518489.47	711718.62
390	32+26.25	44.02' LT	801.80	518494.05	711720.01

CURB RETURN NORTHWEST BRODHEAD STREET TYPE 2 MODIFIED					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
391	32+27.10	50.96' LT	801.82	518501.00	711720.85
392	32+29.79	42.65' LT	801.86	518492.70	711723.56
393	32+30.25	47.08' LT	801.74	518497.12	711724.01
394	32+30.05	53.48' LT	801.78	518503.52	711723.79
395	32+31.27	56.51' LT	802.00	518506.55	711725.01
396	32+31.92	60.72' LT	802.24	518510.77	711725.66
397	32+32.51	44.61' LT	801.57	518494.65	711726.27
398	32+34.29	42.80' LT	801.61	518492.85	711728.06
399	32+34.04	50.35' LT	801.70	518500.40	711727.79
400	32+36.07	55.12' LT	801.92	518505.17	711729.81
401	32+36.92	60.53' LT	802.16	518510.59	711730.65
402	32+36.20	47.98' LT	801.54	518498.03	711729.96
403	32+36.47	47.68' LT	801.52	518497.74	711730.23
404	32+38.34	46.00' LT	801.56	518496.06	711732.10
405	32+39.87	51.35' LT	801.97	518501.41	711733.62

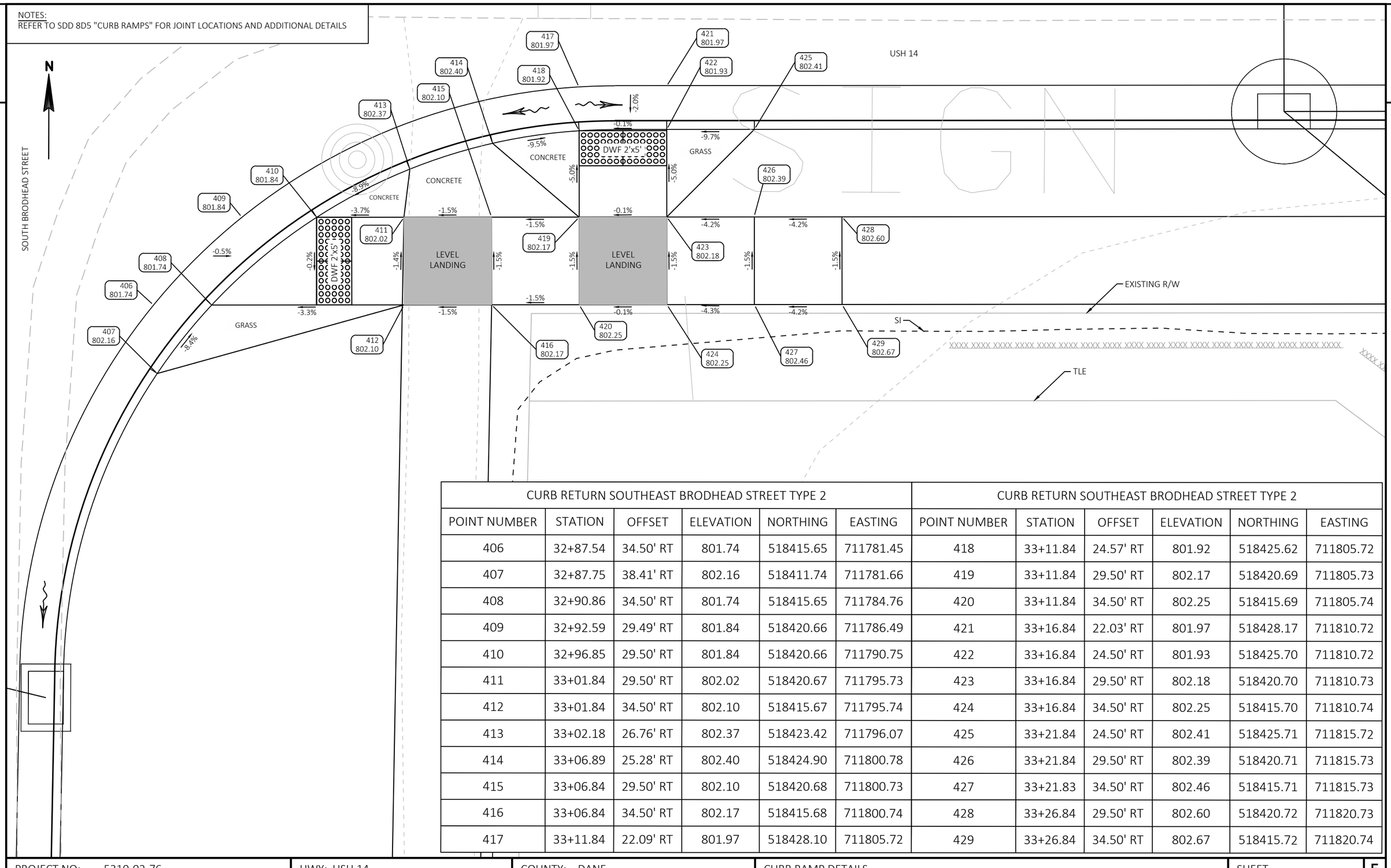
RADIAL WARNING FIELD	
LANDING "XR"	3.42'
AREA	11.4 SF
LONG CHORD	5.69'
BOC RADIUS	109.5'



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 44	E

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

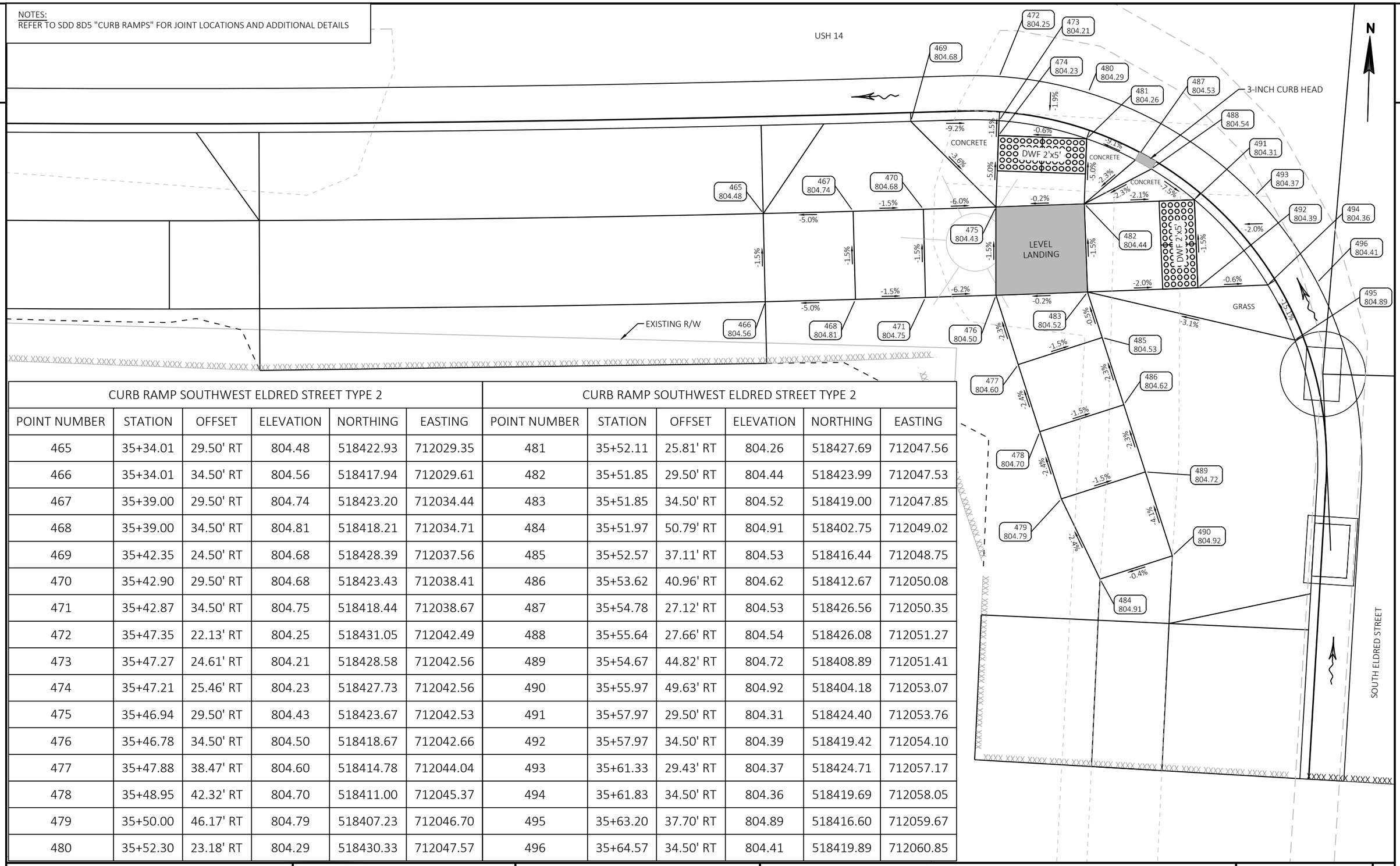


CURB RETURN SOUTHEAST BRODHEAD STREET TYPE 2						CURB RETURN SOUTHEAST BRODHEAD STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
406	32+87.54	34.50' RT	801.74	518415.65	711781.45	418	33+11.84	24.57' RT	801.92	518425.62	711805.72
407	32+87.75	38.41' RT	802.16	518411.74	711781.66	419	33+11.84	29.50' RT	802.17	518420.69	711805.73
408	32+90.86	34.50' RT	801.74	518415.65	711784.76	420	33+11.84	34.50' RT	802.25	518415.69	711805.74
409	32+92.59	29.49' RT	801.84	518420.66	711786.49	421	33+16.84	22.03' RT	801.97	518428.17	711810.72
410	32+96.85	29.50' RT	801.84	518420.66	711790.75	422	33+16.84	24.50' RT	801.93	518425.70	711810.72
411	33+01.84	29.50' RT	802.02	518420.67	711795.73	423	33+16.84	29.50' RT	802.18	518420.70	711810.73
412	33+01.84	34.50' RT	802.10	518415.67	711795.74	424	33+16.84	34.50' RT	802.25	518415.70	711810.74
413	33+02.18	26.76' RT	802.37	518423.42	711796.07	425	33+21.84	24.50' RT	802.41	518425.71	711815.72
414	33+06.89	25.28' RT	802.40	518424.90	711800.78	426	33+21.84	29.50' RT	802.39	518420.71	711815.73
415	33+06.84	29.50' RT	802.10	518420.68	711800.73	427	33+21.83	34.50' RT	802.46	518415.71	711815.73
416	33+06.84	34.50' RT	802.17	518415.68	711800.74	428	33+26.84	29.50' RT	802.60	518420.72	711820.73
417	33+11.84	22.09' RT	801.97	518428.10	711805.72	429	33+26.84	34.50' RT	802.67	518415.72	711820.74

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 45	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 18
PLOT DATE : 7/31/2020 10:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:5 FT

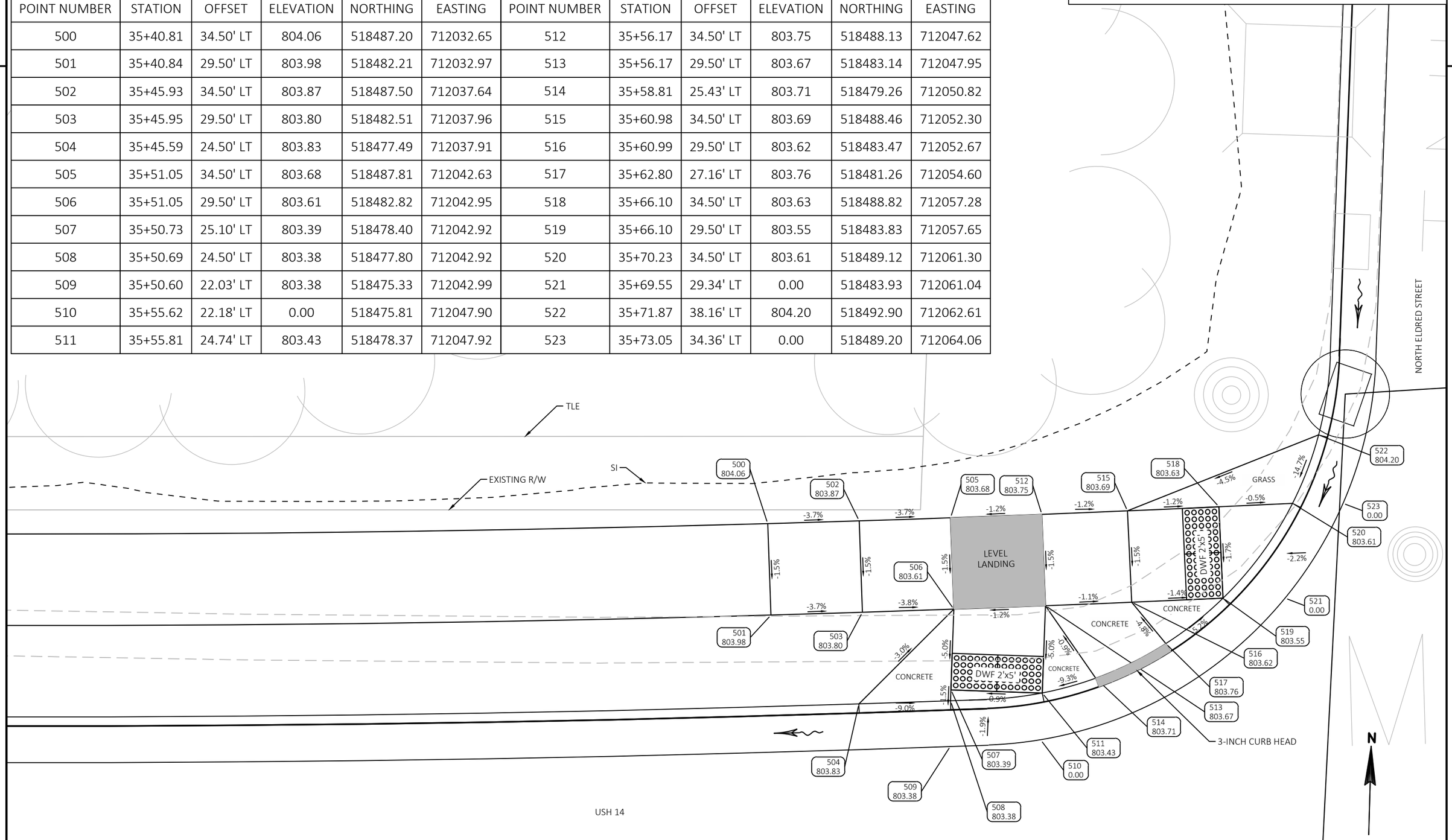
NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP SOUTHWEST ELDRED STREET TYPE 2						CURB RAMP SOUTHWEST ELDRED STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
465	35+34.01	29.50' RT	804.48	518422.93	712029.35	481	35+52.11	25.81' RT	804.26	518427.69	712047.56
466	35+34.01	34.50' RT	804.56	518417.94	712029.61	482	35+51.85	29.50' RT	804.44	518423.99	712047.53
467	35+39.00	29.50' RT	804.74	518423.20	712034.44	483	35+51.85	34.50' RT	804.52	518419.00	712047.85
468	35+39.00	34.50' RT	804.81	518418.21	712034.71	484	35+51.97	50.79' RT	804.91	518402.75	712049.02
469	35+42.35	24.50' RT	804.68	518428.39	712037.56	485	35+52.57	37.11' RT	804.53	518416.44	712048.75
470	35+42.90	29.50' RT	804.68	518423.43	712038.41	486	35+53.62	40.96' RT	804.62	518412.67	712050.08
471	35+42.87	34.50' RT	804.75	518418.44	712038.67	487	35+54.78	27.12' RT	804.53	518426.56	712050.35
472	35+47.35	22.13' RT	804.25	518431.05	712042.49	488	35+55.64	27.66' RT	804.54	518426.08	712051.27
473	35+47.27	24.61' RT	804.21	518428.58	712042.56	489	35+54.67	44.82' RT	804.72	518408.89	712051.41
474	35+47.21	25.46' RT	804.23	518427.73	712042.56	490	35+55.97	49.63' RT	804.92	518404.18	712053.07
475	35+46.94	29.50' RT	804.43	518423.67	712042.53	491	35+57.97	29.50' RT	804.31	518424.40	712053.76
476	35+46.78	34.50' RT	804.50	518418.67	712042.66	492	35+57.97	34.50' RT	804.39	518419.42	712054.10
477	35+47.88	38.47' RT	804.60	518414.78	712044.04	493	35+61.33	29.43' RT	804.37	518424.71	712057.17
478	35+48.95	42.32' RT	804.70	518411.00	712045.37	494	35+61.83	34.50' RT	804.36	518419.69	712058.05
479	35+50.00	46.17' RT	804.79	518407.23	712046.70	495	35+63.20	37.70' RT	804.89	518416.60	712059.67
480	35+52.30	23.18' RT	804.29	518430.33	712047.57	496	35+64.57	34.50' RT	804.41	518419.89	712060.85

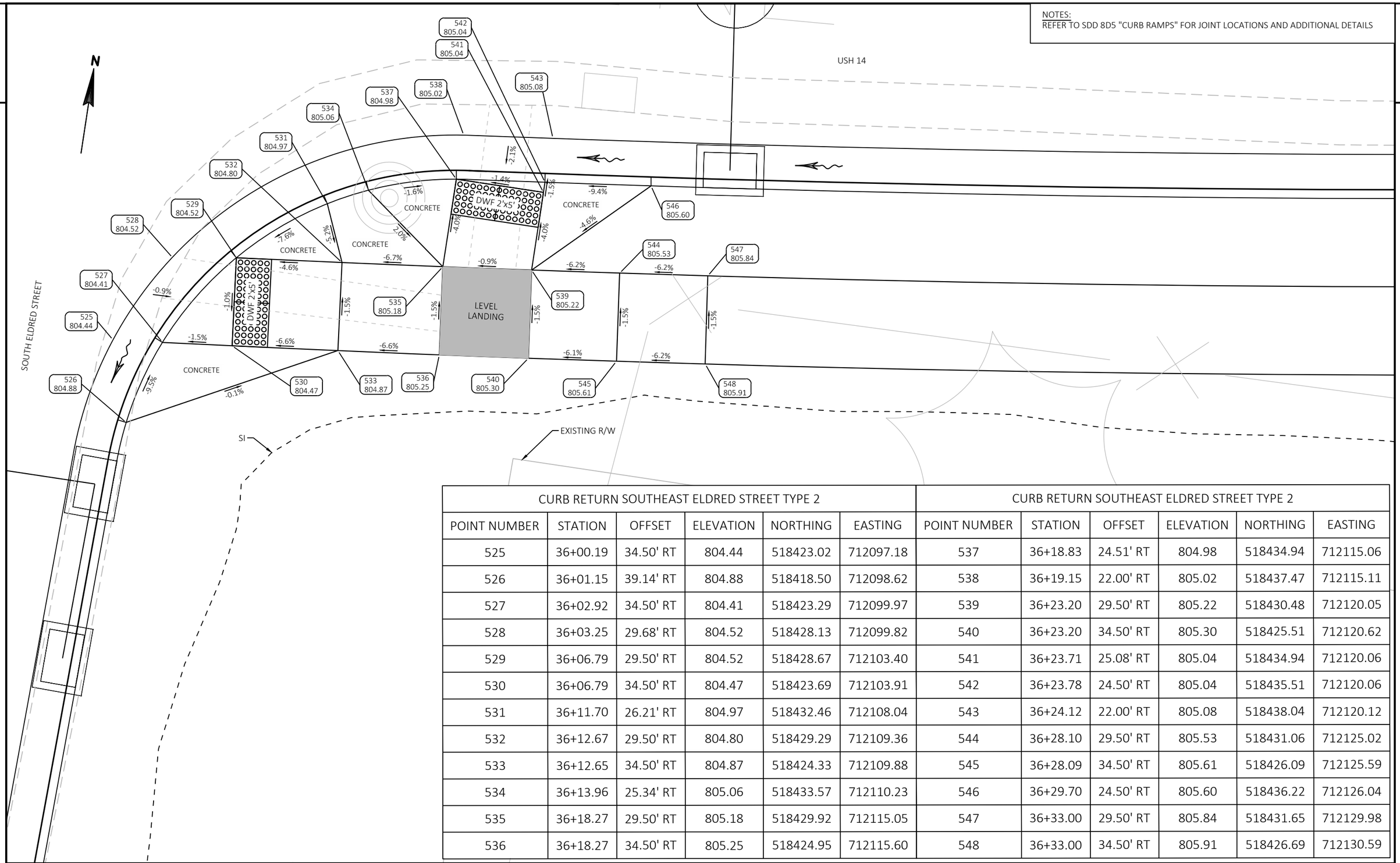
CURB RAMP NORTHWEST ELDRED STREET TYPE 2						CURB RAMP NORTHWEST ELDRED STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	35+40.81	34.50' LT	804.06	518487.20	712032.65	512	35+56.17	34.50' LT	803.75	518488.13	712047.62
501	35+40.84	29.50' LT	803.98	518482.21	712032.97	513	35+56.17	29.50' LT	803.67	518483.14	712047.95
502	35+45.93	34.50' LT	803.87	518487.50	712037.64	514	35+58.81	25.43' LT	803.71	518479.26	712050.82
503	35+45.95	29.50' LT	803.80	518482.51	712037.96	515	35+60.98	34.50' LT	803.69	518488.46	712052.30
504	35+45.59	24.50' LT	803.83	518477.49	712037.91	516	35+60.99	29.50' LT	803.62	518483.47	712052.67
505	35+51.05	34.50' LT	803.68	518487.81	712042.63	517	35+62.80	27.16' LT	803.76	518481.26	712054.60
506	35+51.05	29.50' LT	803.61	518482.82	712042.95	518	35+66.10	34.50' LT	803.63	518488.82	712057.28
507	35+50.73	25.10' LT	803.39	518478.40	712042.92	519	35+66.10	29.50' LT	803.55	518483.83	712057.65
508	35+50.69	24.50' LT	803.38	518477.80	712042.92	520	35+70.23	34.50' LT	803.61	518489.12	712061.30
509	35+50.60	22.03' LT	803.38	518475.33	712042.99	521	35+69.55	29.34' LT	0.00	518483.93	712061.04
510	35+55.62	22.18' LT	0.00	518475.81	712047.90	522	35+71.87	38.16' LT	804.20	518492.90	712062.61
511	35+55.81	24.74' LT	803.43	518478.37	712047.92	523	35+73.05	34.36' LT	0.00	518489.20	712064.06

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 47	E

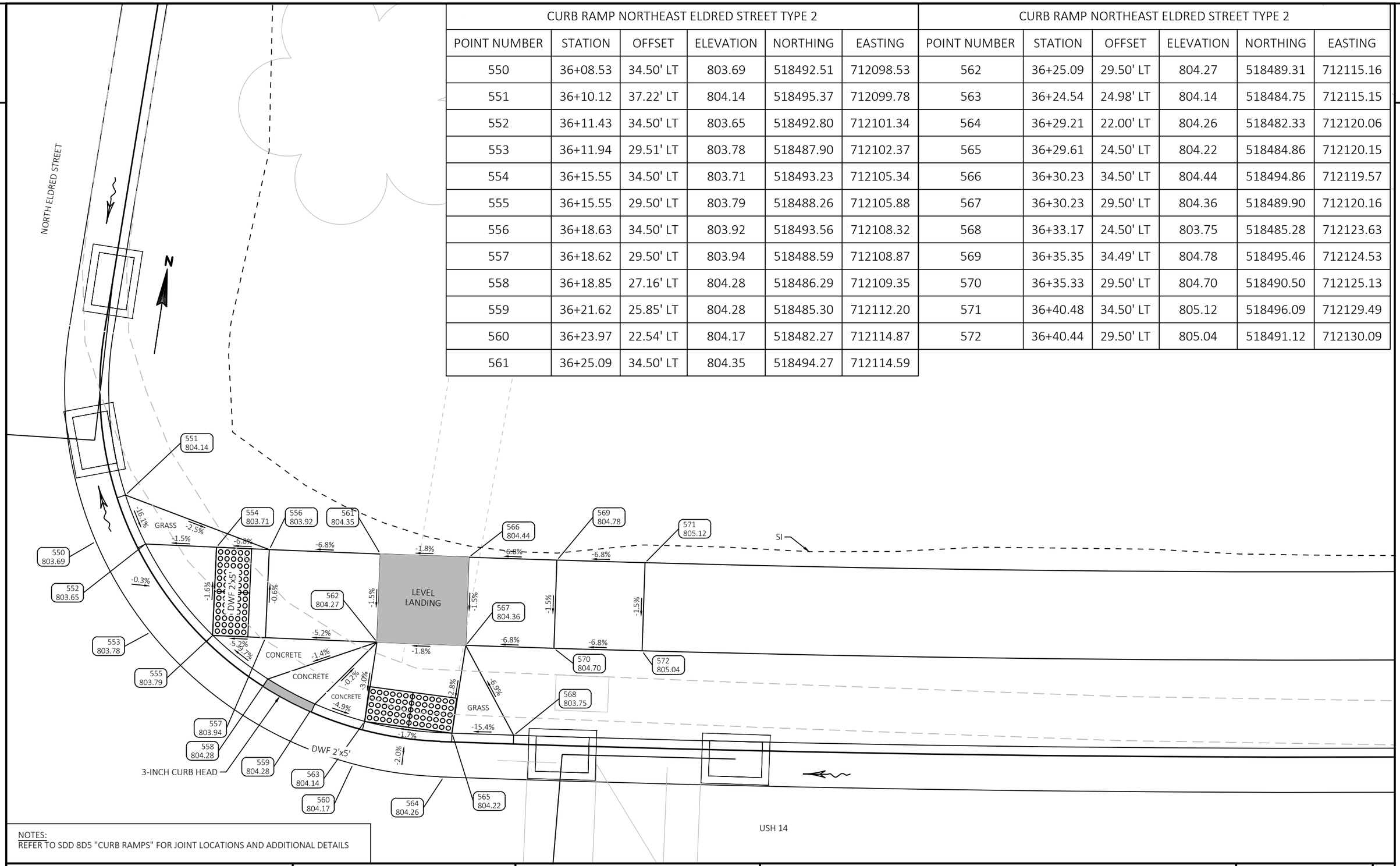
NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RETURN SOUTHEAST ELDRED STREET TYPE 2						CURB RETURN SOUTHEAST ELDRED STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
525	36+00.19	34.50' RT	804.44	518423.02	712097.18	537	36+18.83	24.51' RT	804.98	518434.94	712115.06
526	36+01.15	39.14' RT	804.88	518418.50	712098.62	538	36+19.15	22.00' RT	805.02	518437.47	712115.11
527	36+02.92	34.50' RT	804.41	518423.29	712099.97	539	36+23.20	29.50' RT	805.22	518430.48	712120.05
528	36+03.25	29.68' RT	804.52	518428.13	712099.82	540	36+23.20	34.50' RT	805.30	518425.51	712120.62
529	36+06.79	29.50' RT	804.52	518428.67	712103.40	541	36+23.71	25.08' RT	805.04	518434.94	712120.06
530	36+06.79	34.50' RT	804.47	518423.69	712103.91	542	36+23.78	24.50' RT	805.04	518435.51	712120.06
531	36+11.70	26.21' RT	804.97	518432.46	712108.04	543	36+24.12	22.00' RT	805.08	518438.04	712120.12
532	36+12.67	29.50' RT	804.80	518429.29	712109.36	544	36+28.10	29.50' RT	805.53	518431.06	712125.02
533	36+12.65	34.50' RT	804.87	518424.33	712109.88	545	36+28.09	34.50' RT	805.61	518426.09	712125.59
534	36+13.96	25.34' RT	805.06	518433.57	712110.23	546	36+29.70	24.50' RT	805.60	518436.22	712126.04
535	36+18.27	29.50' RT	805.18	518429.92	712115.05	547	36+33.00	29.50' RT	805.84	518431.65	712129.98
536	36+18.27	34.50' RT	805.25	518424.95	712115.60	548	36+33.00	34.50' RT	805.91	518426.69	712130.59

CURB RAMP NORTHEAST ELDRED STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
550	36+08.53	34.50' LT	803.69	518492.51	712098.53
551	36+10.12	37.22' LT	804.14	518495.37	712099.78
552	36+11.43	34.50' LT	803.65	518492.80	712101.34
553	36+11.94	29.51' LT	803.78	518487.90	712102.37
554	36+15.55	34.50' LT	803.71	518493.23	712105.34
555	36+15.55	29.50' LT	803.79	518488.26	712105.88
556	36+18.63	34.50' LT	803.92	518493.56	712108.32
557	36+18.62	29.50' LT	803.94	518488.59	712108.87
558	36+18.85	27.16' LT	804.28	518486.29	712109.35
559	36+21.62	25.85' LT	804.28	518485.30	712112.20
560	36+23.97	22.54' LT	804.17	518482.27	712114.87
561	36+25.09	34.50' LT	804.35	518494.27	712114.59

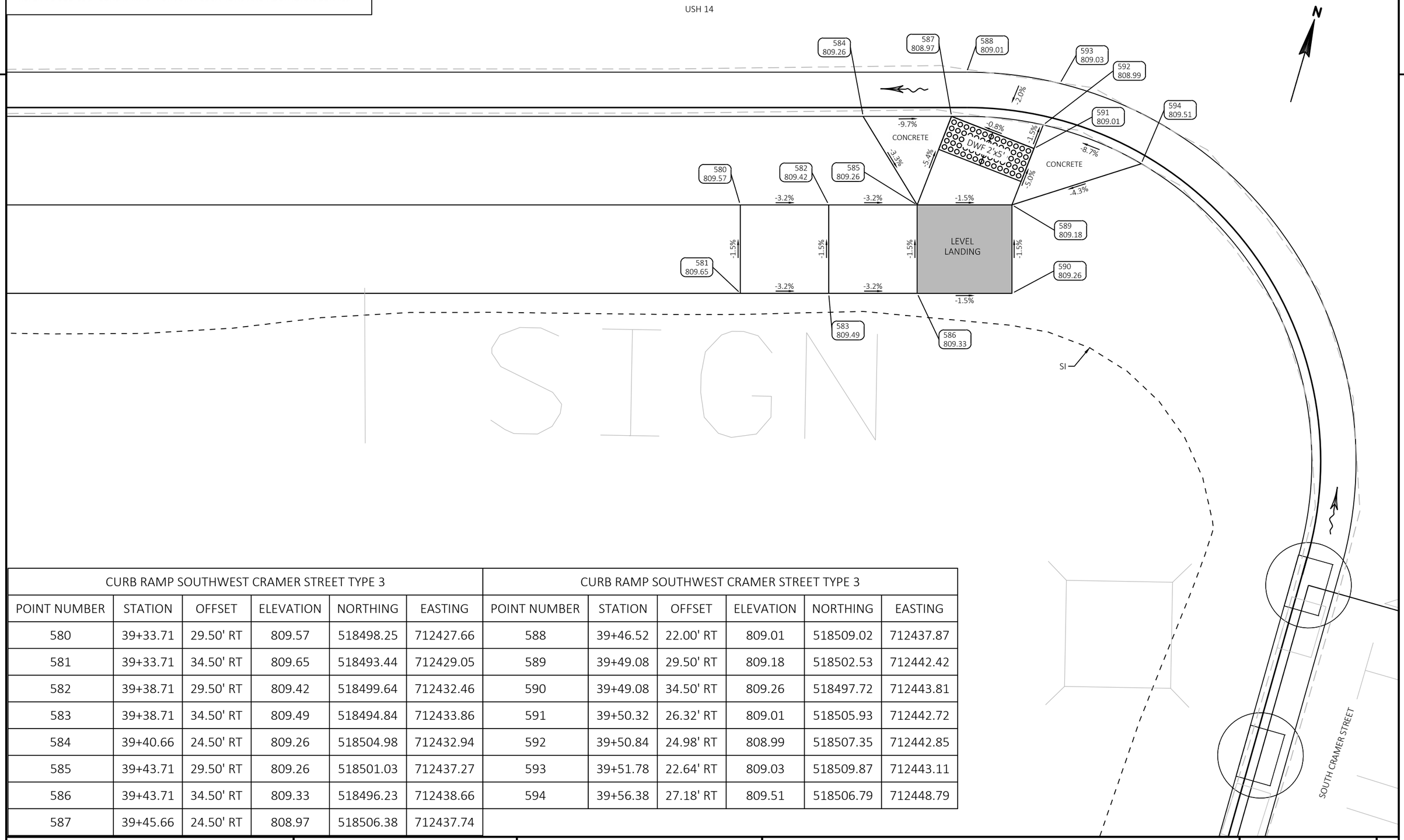
CURB RAMP NORTHEAST ELDRED STREET TYPE 2					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
562	36+25.09	29.50' LT	804.27	518489.31	712115.16
563	36+24.54	24.98' LT	804.14	518484.75	712115.15
564	36+29.21	22.00' LT	804.26	518482.33	712120.06
565	36+29.61	24.50' LT	804.22	518484.86	712120.15
566	36+30.23	34.50' LT	804.44	518494.86	712119.57
567	36+30.23	29.50' LT	804.36	518489.90	712120.16
568	36+33.17	24.50' LT	803.75	518485.28	712123.63
569	36+35.35	34.49' LT	804.78	518495.46	712124.53
570	36+35.33	29.50' LT	804.70	518490.50	712125.13
571	36+40.48	34.50' LT	805.12	518496.09	712129.49
572	36+40.44	29.50' LT	805.04	518491.12	712130.09



NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 49	E

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



CURB RAMP SOUTHWEST CRAMER STREET TYPE 3						CURB RAMP SOUTHWEST CRAMER STREET TYPE 3					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
580	39+33.71	29.50' RT	809.57	518498.25	712427.66	588	39+46.52	22.00' RT	809.01	518509.02	712437.87
581	39+33.71	34.50' RT	809.65	518493.44	712429.05	589	39+49.08	29.50' RT	809.18	518502.53	712442.42
582	39+38.71	29.50' RT	809.42	518499.64	712432.46	590	39+49.08	34.50' RT	809.26	518497.72	712443.81
583	39+38.71	34.50' RT	809.49	518494.84	712433.86	591	39+50.32	26.32' RT	809.01	518505.93	712442.72
584	39+40.66	24.50' RT	809.26	518504.98	712432.94	592	39+50.84	24.98' RT	808.99	518507.35	712442.85
585	39+43.71	29.50' RT	809.26	518501.03	712437.27	593	39+51.78	22.64' RT	809.03	518509.87	712443.11
586	39+43.71	34.50' RT	809.33	518496.23	712438.66	594	39+56.38	27.18' RT	809.51	518506.79	712448.79
587	39+45.66	24.50' RT	808.97	518506.38	712437.74						

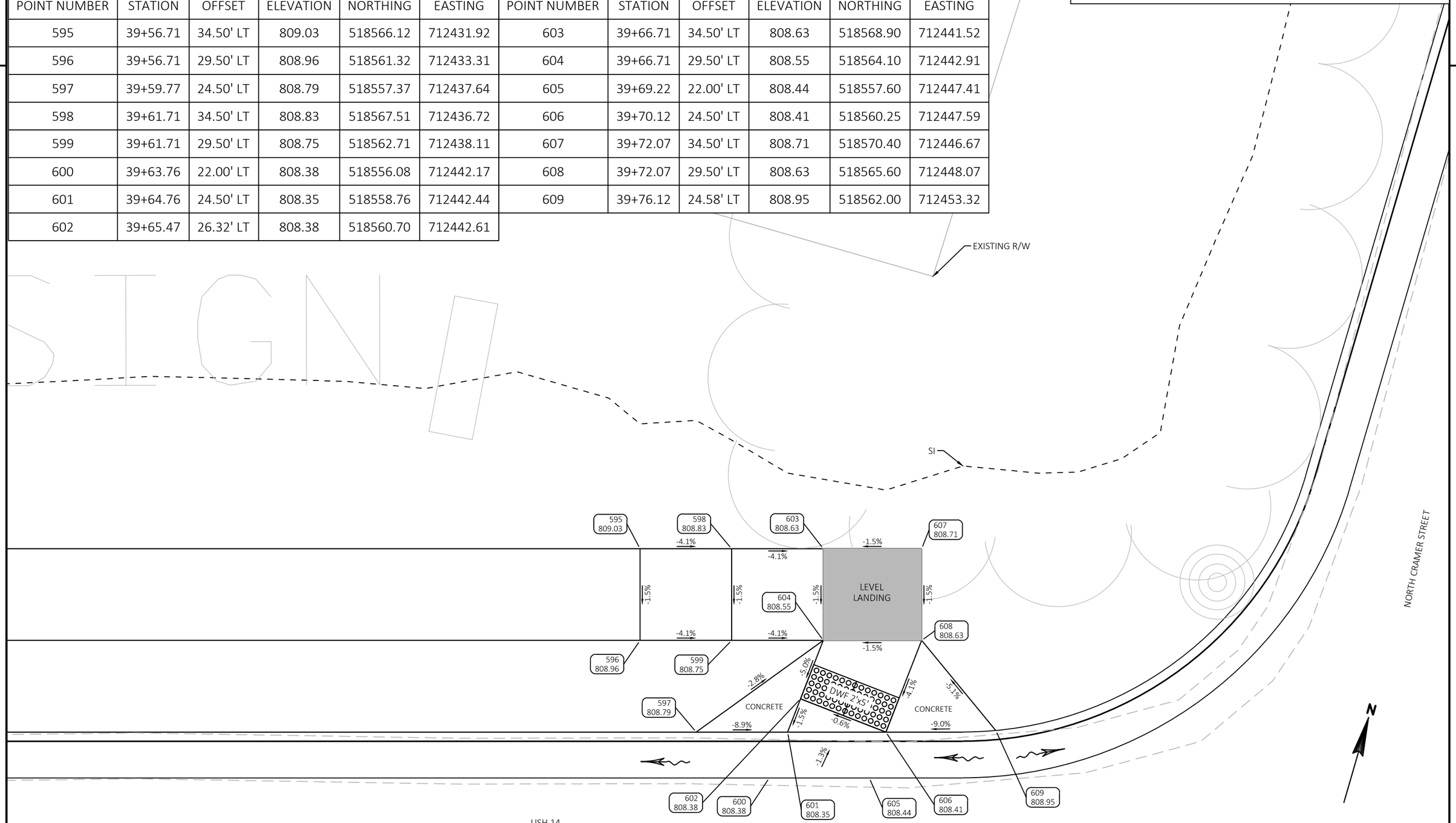
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 50 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 25
PLOT DATE : 7/31/2020 10:39 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

CURB RAMP NORTHWEST CRAMER STREET TYPE 3					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
595	39+56.71	34.50' LT	809.03	518566.12	712431.92
596	39+56.71	29.50' LT	808.96	518561.32	712433.31
597	39+59.77	24.50' LT	808.79	518557.37	712437.64
598	39+61.71	34.50' LT	808.83	518567.51	712436.72
599	39+61.71	29.50' LT	808.75	518562.71	712438.11
600	39+63.76	22.00' LT	808.38	518556.08	712442.17
601	39+64.76	24.50' LT	808.35	518558.76	712442.44
602	39+65.47	26.32' LT	808.38	518560.70	712442.61

CURB RAMP NORTHWEST CRAMER STREET TYPE 3					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
603	39+66.71	34.50' LT	808.63	518568.90	712441.52
604	39+66.71	29.50' LT	808.55	518564.10	712442.91
605	39+69.22	22.00' LT	808.44	518557.60	712447.41
606	39+70.12	24.50' LT	808.41	518560.25	712447.59
607	39+72.07	34.50' LT	808.71	518570.40	712446.67
608	39+72.07	29.50' LT	808.63	518565.60	712448.07
609	39+76.12	24.58' LT	808.95	518562.00	712453.32

NOTES:
REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET 51	E

2

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT

SIGN

SIGN

Walter Road

Ridge Drive

XXXXXX

XXXXXX

SS

SS

A

A

A

5

10

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 52	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001_ec1

PLOT DATE : 7/30/2020 2:10 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT

U.S.H. 14

15

SIGN

SIGN

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 53	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001_ec2

PLOT DATE : 7/30/2020 2:10 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

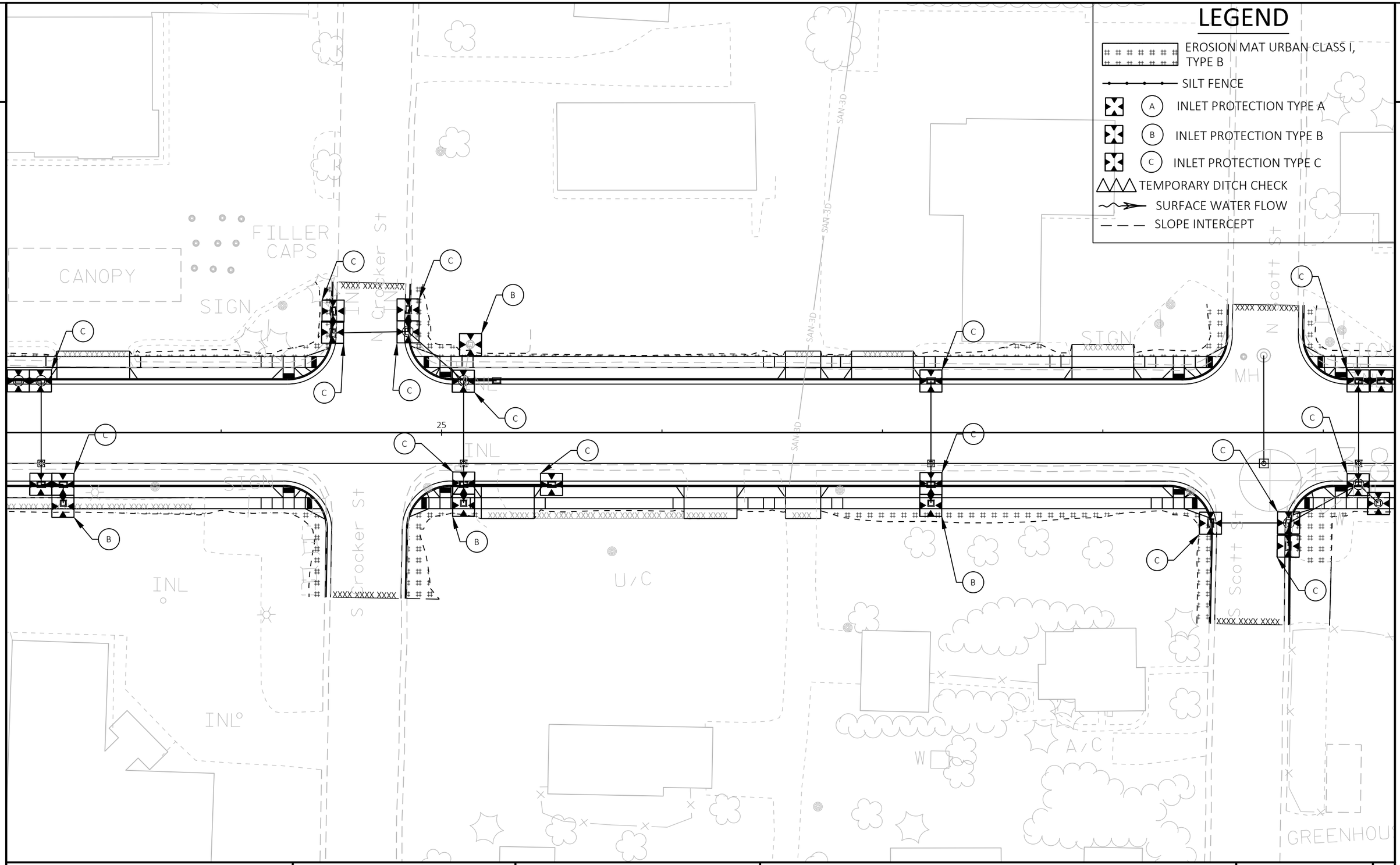
2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT

POOL
POOL
W
W
MH
SIGN
SIGN
Wall Street
Reeve Road
SAN-3D
SAN-3D
SAN-3D
INL
INL
XXXX XXXX XXXX
XXXX XXXX
XXXX XXXX XXXX XXXX
XXXX
20

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 54	E



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 55	E

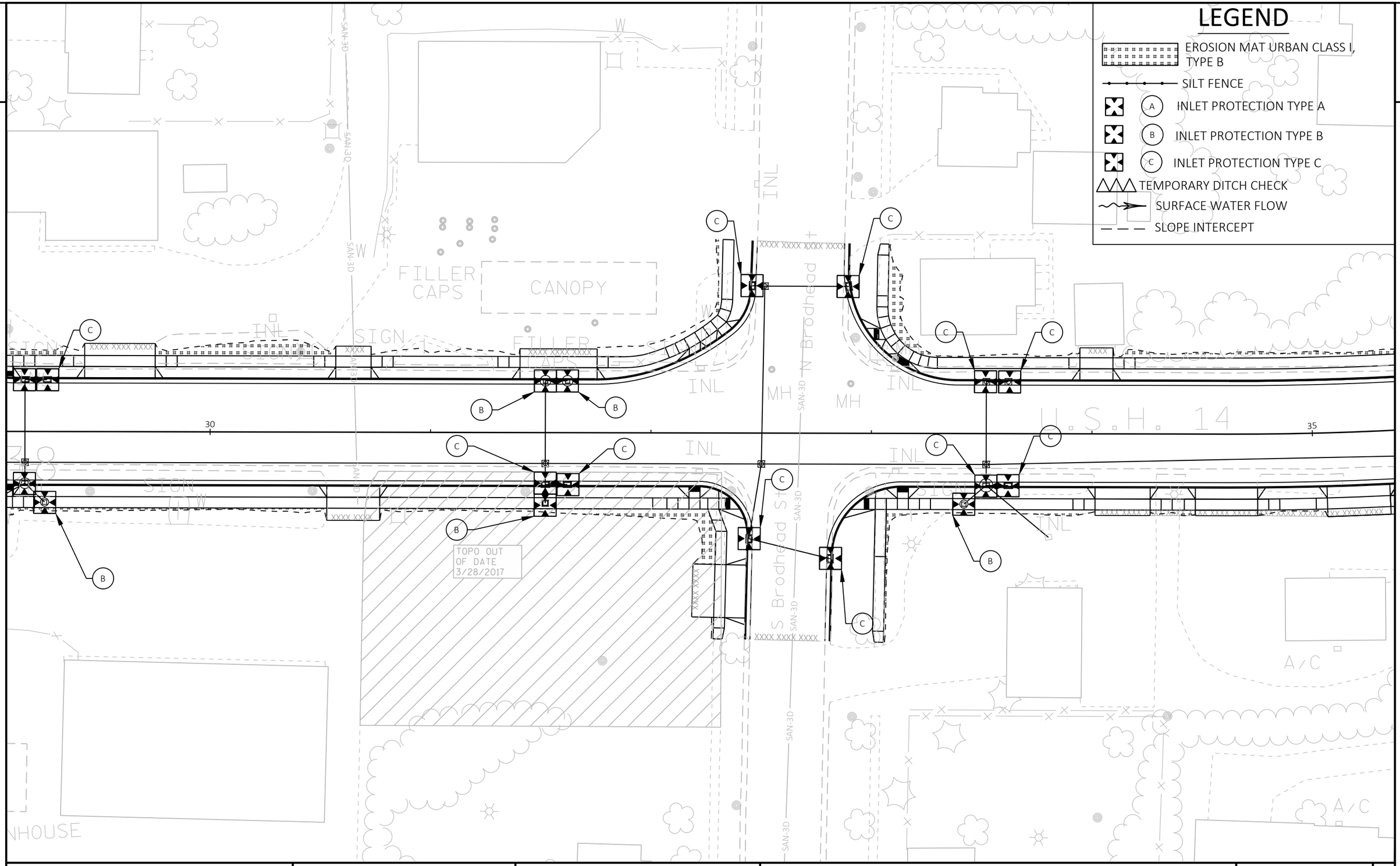
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001_ec4

PLOT DATE : 7/30/2020 2:10 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 56	E

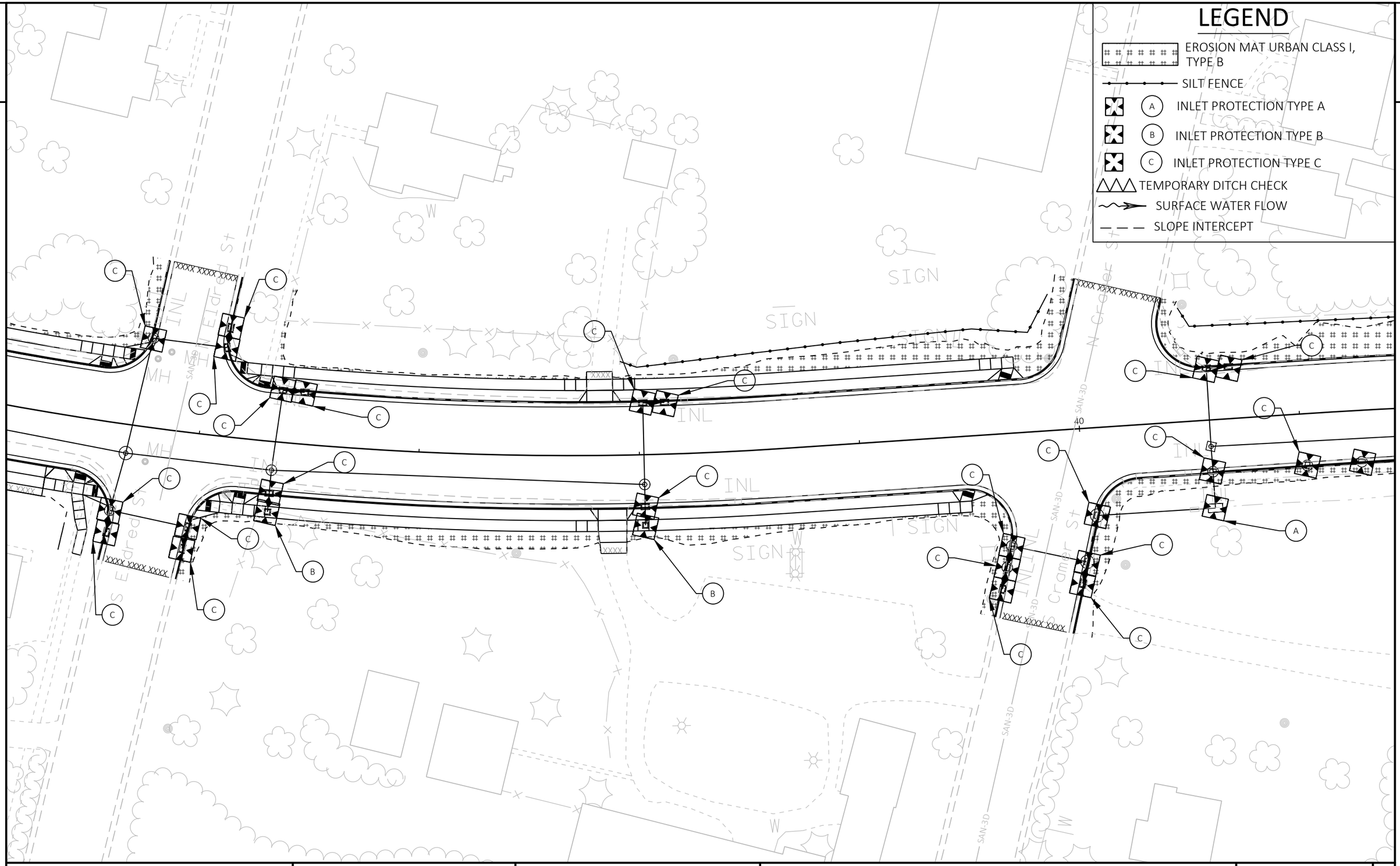
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001_ec5

PLOT DATE : 7/30/2020 2:11 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT



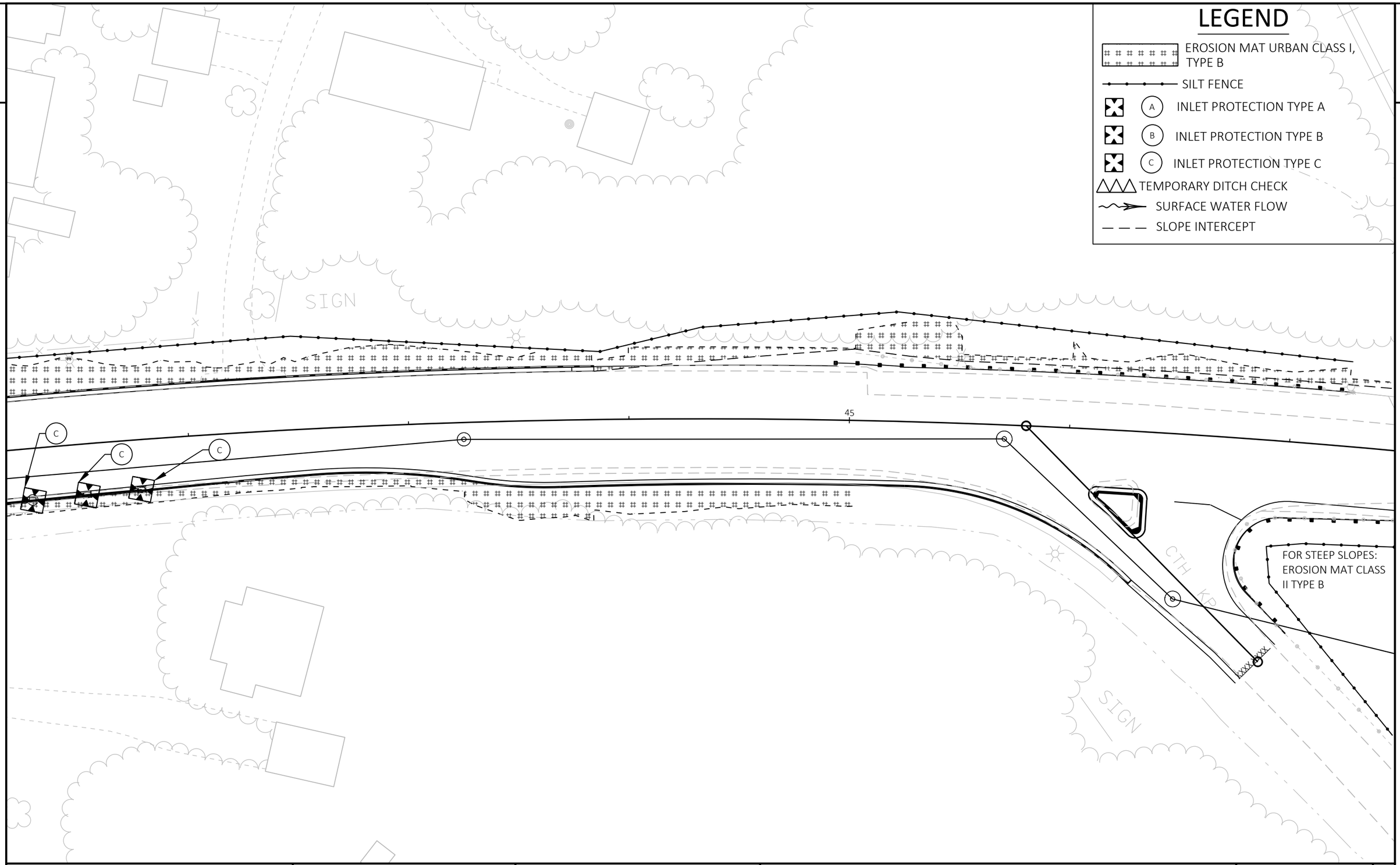
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 57	E

2

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT



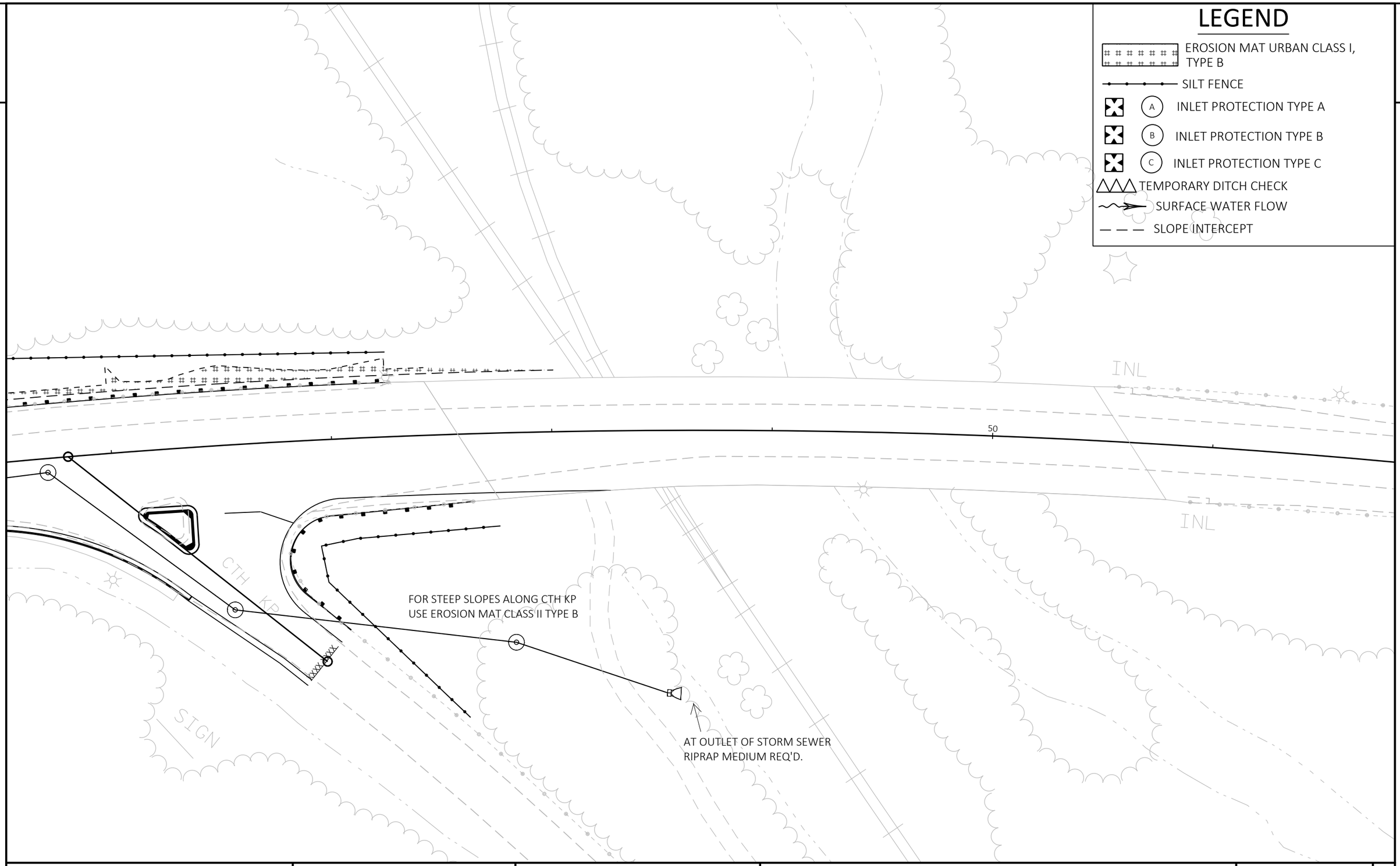
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 58	E

2

2

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- TEMPORARY DITCH CHECK
- SURFACE WATER FLOW
- SLOPE INTERCEPT



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EROSION CONTROL	SHEET 59	E

2

INLETS 4-B
STA = 7+47 @ 34.00' LT 2.0

INLETS MEDIAN 2G-MS
STA = 9+25 @ 46.00' LT 2.1

INLETS MEDIAN 2G-MS
STA = 9+25 @ 39.00' RT 2.2

PC: 8+63.18

6+00 7+00 8+00 9+00 10+00 11+00

XXXX

XXXX

SIGN

SIGN

SIGN

N

795
790
785
780

2.0
791.75
788.49

2.1
794.40
789.03

180 LF SSPRC CLASS III 18-INCH @ 0.30%

131 LF
EXISTING 18-INCH RCCP
@ 4.62%

2.1
794.40
789.03

2.2
791.77
789.29

85 LF SSPRC CLASS III 18-INCH @ 0.31%

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 60	E

2

N

7.2 INLETS 2x3-H
STA = 19+45 @ 23.50' LT

7.4 INLETS 2x3-H
STA = 20+73 @ 45.00' LT

7.5 INLETS 2x3-H
STA = 21+06 @ 45.00' LT

INLETS MEDIAN 1G-MS
STA = 22+77 @ 38.58' LT EX.1

8.2 INLETS 4-H
STA = 23+08 @ 23.50' LT

INLETS 2x3-H
STA = 24+51 @ 55.16' LT 9.6

INLETS 2x3-H
STA = 24+51 @ 45.15' LT 9.3

9.7 INLETS
STA =

9.2 INLETS
STA =

7.1 INLETS 4-H
STA = 20+02 @ 23.50' LT

INLETS 4-H
STA = 22+83 @ 23.50' LT 8.3

8.1 INLETS 4-H
STA = 23+18 @ 23.50' LT

MANHOLES 3x3-J
STA = 21+06 @ 14.00' RT 7.0

8.0 MANHOLES 3x3-J
STA = 23+18 @ 14.00' RT

MANHOLES 3x3-J
STA = 25+10 @ 14.00' RT 9.0

8.5 INLETS 2x3-H
STA = 23+28 @ 23.50' RT

T8.5 INLETS 2x2-B
STA = 23+28 @ 32.00' RT

8.4 INLETS 2x3-H
STA = 23+18 @ 23.50' RT

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

7.5 798.68 7.0 799.41 794.53 794.23
59 LF SSPRC CLASS III 12-INCH @ 0.51%

7.0 799.41 8.0 798.50 793.23 792.16 792.16
213 LF SSPRC CLASS III 24-INCH @ 0.51%

8.0 798.50 9.0 799.40 792.16 791.20
190 LF SSPRC CLASS III 24-INCH @ 0.51%

7.2 799.11 7.1 798.96 795.35 795.06 795.06
75 LF SSPRC CLASS III 12-INCH @ 0.51%

7.4 798.95 7.5 798.95 794.68 794.53
58 LF SSPRC CLASS III 12-INCH @ 0.51%

34 LF SSPRC CLASS III 12-INCH @ 0.45%

798.39 EX.1 798.00 8.3 798.35 8.2 798.33 8.1 795.92 794.94 794.44 794.31 794.31 794.25
17 LF SSPRC CLASS III 12-INCH @ 6.09%

26 LF SSPRC CLASS III 18-INCH @ 0.51%

11 LF SSPRC CLASS III 18-INCH @ 0.58%

8.1 798.33 8.0 798.50 8.4 798.33 794.57 794.47 793.87 792.16
10 LF SSPRC CLASS III 12-INCH @ 1.08%

38 LF SSPRC CLASS III 18-INCH @ 1.01%

T8.5 8.4 798.33 8.5 798.37 797.89 795.00 794.57 794.91 794.62
9 LF SSPRC CLASS III 12-INCH @ 1.06%

11 LF SSPRC CLASS III 12-INCH @ 0.50%

795 790 795 790 795

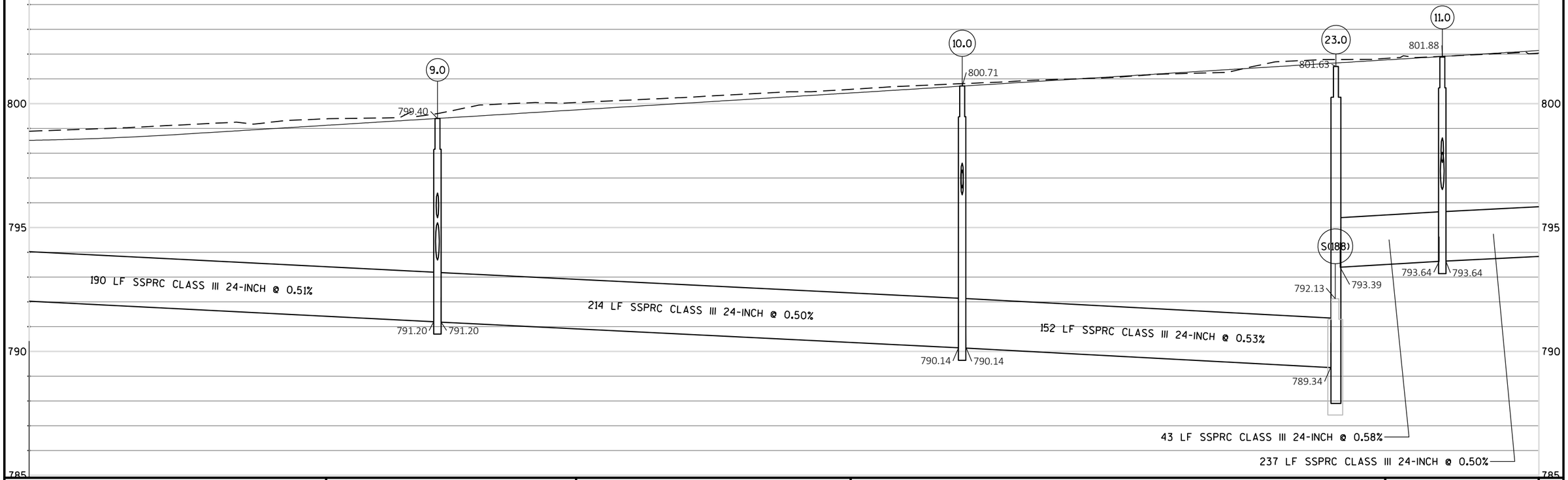
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 61 E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502

PLOT DATE : 9/25/2020 6:57 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

INLETS 2x3-H 9.6
STA = 24+51 @ 55.16' LT
INLETS 2x3-H 9.3
STA = 24+51 @ 45.15' LT
8.2 INLETS 4-H
STA = 23+08 @ 23.50' LT
9.7 INLETS 2x3-H
STA = 24+85 @ 55.87' LT
9.2 INLETS 4-H
STA = 24+85 @ 45.87' LT
EX3 EXISTING INLET TO REMAIN
STA = 25+13 @ 40.00' LT
9.1 INLETS 4-H
STA = 25+10 @ 23.50' LT
8.1 INLETS 4-H
STA = 23+18 @ 23.50' LT
9.5 INLETS 2x3-H
STA = 25+25 @ 23.50' LT
10.1 INLETS 2x3-H
STA = 27+22 @ 23.50' LT
EXISTING
MANHOLES 5-FT DIAM
S(188)
STA = 28+73 @ 35.00' L
24+00
25+00
26+00
27+00
28+00
29+00
8.0 MANHOLES 3x3-J
STA = 23+18 @ 14.00' RT
MANHOLES 3x3-J 9.0
STA = 25+10 @ 14.00' RT
10.0 MANHOLES 3x3-J
STA = 27+22 @ 14.00' RT
MANHOLES 4x4-J 23.0
STA = 28+73 @ 14.00' RT
8.5 INLETS 2x3-H
STA = 23+28 @ 23.50' RT
T8.5 INLETS 2x2-B
STA = 23+28 @ 32.00' RT
8.4 INLETS 2x3-H
STA = 23+18 @ 23.50' RT
9.8 INLETS 2x3-H
STA = 25+50 @ 23.50' RT
9.4 INLETS 2x3-H
STA = 25+10 @ 23.50' RT
T9.4 INLETS 2x2-B
STA = 25+10 @ 32.00' RT
10.2 INLETS 2x3-H
STA = 27+22 @ 23.50' RT
T10.2 INLETS 2x2-B
STA = 27+22 @ 32.00' RT
SAN 5 EXISTING SANITARY SEWER MANHOLE
STA = 26+58 @ 23.89' RT
INLETS 2x3-H 11.5
STA = 28+49 @ 41.00' RT
11.3
11.4 INLETS 4-H
STA = 28+84 @
11.6 INLETS 2x3-H
STA = 28+84 @
N
CANOPY
SIGN
INL
AI
U/C
XXXX XXXX XXXX



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 62	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503
PLOT DATE : 9/25/2020 6:57 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

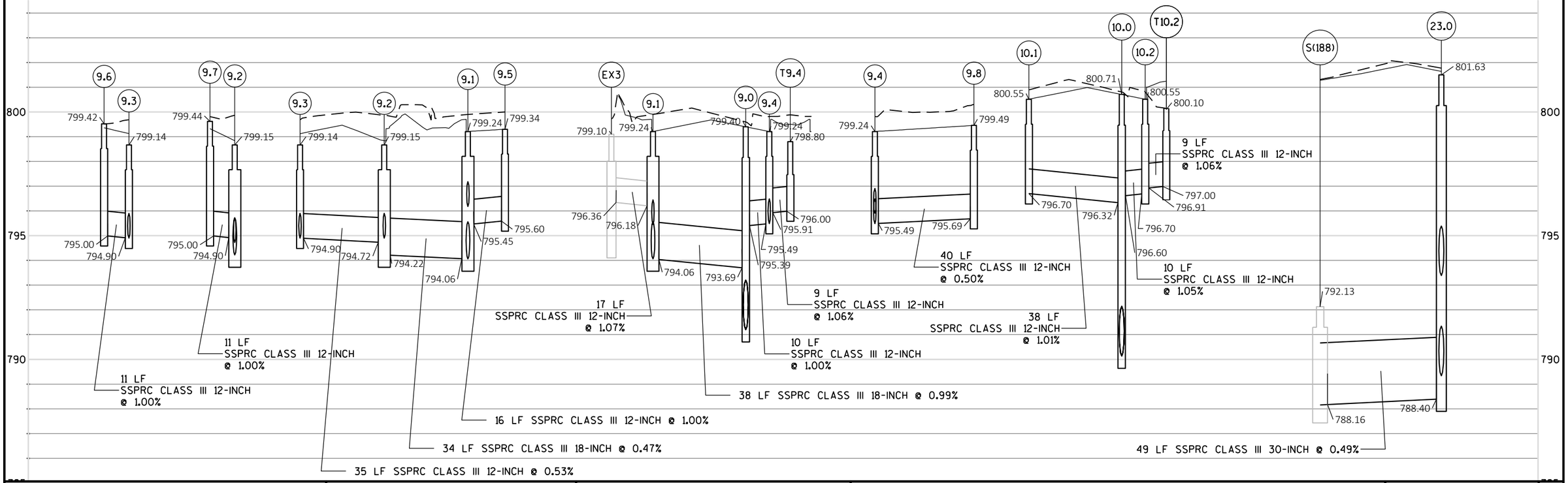
2

INLETS 2x3-H
STA = 24+51 @ 55.16' LT
9.6
INLETS 2x3-H
STA = 24+51 @ 45.15' LT
9.3
8.2 INLETS 4-H
STA = 23+08 @ 23.50' LT
9.7 INLETS 2x3-H
STA = 24+85 @ 55.87' LT
9.2 INLETS 4-H
STA = 24+85 @ 45.87' LT
EX3 EXISTING INLET TO REMAIN
STA = 25+13 @ 40.00' LT
9.1 INLETS 4-H
STA = 25+10 @ 23.50' LT
8.1 INLETS 4-H
STA = 23+18 @ 23.50' LT
9.5 INLETS 2x3-H
STA = 25+25 @ 23.50' LT
10.1 INLETS 2x3-H
STA = 27+22 @ 23.50' LT
EXISTING
S(188) MANHOLES 5-FT DIAM
STA = 28+73 @ 35.00' L

24+00 25+00 26+00 27+00 28+00 29+00

8.0 MANHOLES 3x3-J
STA = 23+18 @ 14.00' RT
MANHOLES 3x3-J
STA = 25+10 @ 14.00' RT
9.0
10.0 MANHOLES 3x3-J
STA = 27+22 @ 14.00' RT
MANHOLES 4x4-J
STA = 28+73 @ 14.00' RT
23.0
8.5 INLETS 2x3-H
STA = 23+28 @ 23.50' RT
T8.5 INLETS 2x2-B
STA = 23+28 @ 32.00' RT
8.4 INLETS 2x3-H
STA = 23+18 @ 23.50' RT
9.8 INLETS 2x3-H
STA = 25+50 @ 23.50' RT
9.4 INLETS 2x3-H
STA = 25+10 @ 23.50' RT
T9.4 INLETS 2x2-B
STA = 25+10 @ 32.00' RT
10.2 INLETS 2x3-H
STA = 27+22 @ 23.50' RT
T10.2 INLETS 2x2-B
STA = 27+22 @ 32.00' RT
SAN 5 EXISTING SANITARY SEWER MANHOLE
STA = 26+58 @ 23.89' RT
INLETS 2x3-H
STA = 28+49 @ 41.00' RT
11.5
11.3
11.4 INLETS 4-H
STA = 28+84 @
11.6 INLETS 2x3-H
STA = 28+84 @

N



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 63	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503 (2)
PLOT DATE : 9/25/2020 6:57 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

EXISTING MANHOLES 5-FT DIAMETER
S(188) STA = 28+73 @ 35.00' LT

11.1 INLETS 2x3-H
STA = 29+16 @ 23.50' LT

11.2 INLETS 2x3-H
STA = 29+26 @ 23.50' LT

MANHOLES 3x3-J
STA = 32+51 @ 66.67' LT 22.0

INLETS 2x3-H
STA = 32+46 @ 66.79' LT 22.1

INLETS 4-B
STA = 31+62 @ 23.50' LT 12.4

22.2 INLETS 2x3-H
STA = 32+90 @ 66.60' LT

EXISTING SANITARY SEWER MANHOLE
SAN 138 STA = 32+69 @ 52.75' LT

14.1 INLETS 3x3-H
STA = 33+52 @ 23.50' LT

14.2 INLETS 3x3-H
STA = 33+62 @ 23.50' LT

12.1 INLETS 4-B
STA = 31+52 @ 23.50' LT

14.0 MANHOLES 3x3-J
STA = 33+52 @ 14.00' RT

HOLES 4x4-J
@ 14.00' RT 23.0

11.0 MANHOLES 3x3-J
STA = 29+16 @ 14.00' RT

12.0 MANHOLES 3x3-J
STA = 31+52 @ 14.00' RT

13.0 MANHOLES 3x3-J
STA = 32+50 @ 14.00' RT

29+00 30+00 31+00 32+00 33+00 34+00

T11.3 INLETS 3-B
STA = 29+25 @ 32.00' RT

11.3 INLETS 4-H
STA = 29+16 @ 23.50' RT

11.4 INLETS 4-H
STA = 28+84 @ 41.00' RT

11.6 INLETS 2x3-H
STA = 28+84 @ 51.50' RT

EXISTING SANITARY SEWER MANHOLE SAN 62
STA = 30+67 @ 32.78' RT

INLETS 2x3-H
STA = 31+52 @ 23.50' RT 12.2

INLETS 2x2-B
STA = 31+52 @ 32.00' RT T12.2

INLETS 2x3-H
STA = 31+62 @ 23.50' RT 12.3

INLETS 2x3-H
STA = 32+45 @ 47.91' RT 13.1

14.4 INLETS 2x3-H
STA = 33+62 @ 23.50' RT

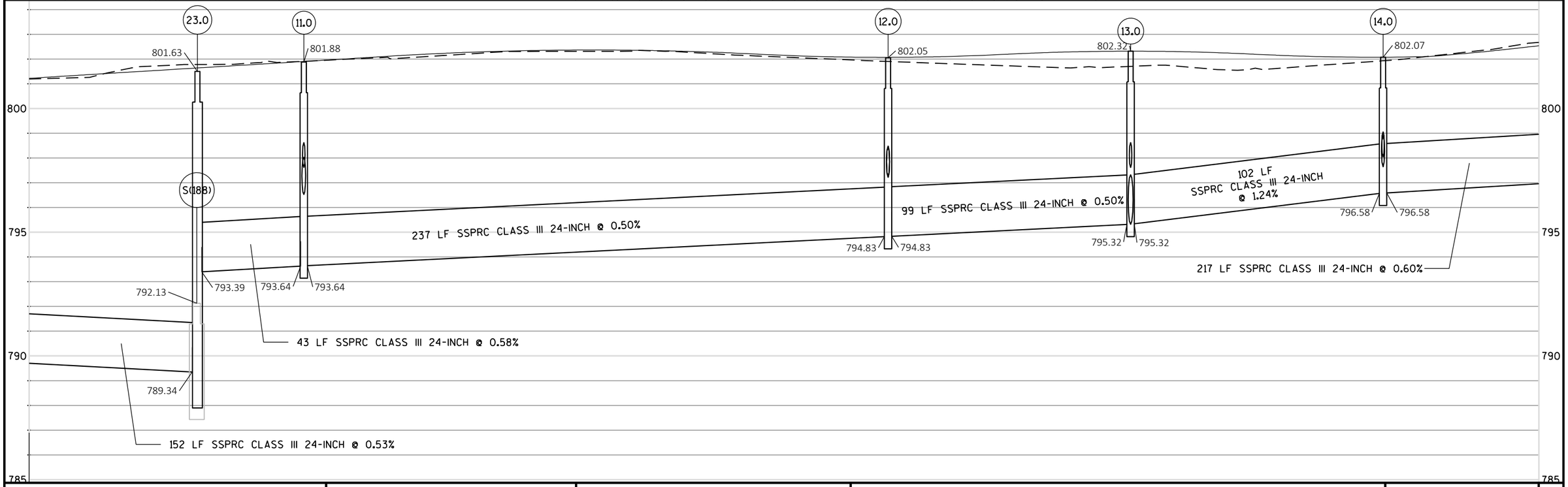
EX.2 EXISTING INLET TO REMAIN
STA = 33+80 @ 47.01' RT

14.3 MANHOLES 5-H
STA = 33+52 @ 23.50' RT

13.2 INLETS 2x3-H
STA = 32+81 @ 56.90' RT

T14.3 INLETS 3-B
STA = 33+42 @ 32.00' RT

N



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 64	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504

PLOT DATE : 9/25/2020 6:57 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

EXISTING MANHOLES 5-FT DIAMETER
S(188) STA = 28+73 @ 35.00' LT

11.1 INLETS 2x3-H
STA = 29+16 @ 23.50' LT

11.2 INLETS 2x3-H
STA = 29+26 @ 23.50' LT

HOLES 4x4-J
@ 14.00' RT 23.0

11.0 MANHOLES 3x3-J
STA = 29+16 @ 14.00' RT

T11.3 INLETS 3-B
STA = 29+25 @ 32.00' RT

11.3 INLETS 4-H
STA = 29+16 @ 23.50' RT

11.4 INLETS 4-H
STA = 28+84 @ 41.00' RT

11.6 INLETS 2x3-H
STA = 28+84 @ 51.50' RT

EXISTING SANITARY SEWER MANHOLE SAN 62
STA = 30+67 @ 32.78' RT

MANHOLES 3x3-J 22.0
STA = 32+51 @ 66.67' LT

INLETS 2x3-H 22.1
STA = 32+46 @ 66.79' LT

INLETS 4-B 12.4
STA = 31+62 @ 23.50' LT

12.1 INLETS 4-B
STA = 31+52 @ 23.50' LT

12.0 MANHOLES 3x3-J
STA = 31+52 @ 14.00' RT

INLETS 2x3-H 12.2
STA = 31+52 @ 23.50' RT

INLETS 2x2-B T12.2
STA = 31+52 @ 32.00' RT

INLETS 2x3-H 12.3
STA = 31+62 @ 23.50' RT

INLETS 2x3-H 13.1
STA = 32+45 @ 47.91' RT

22.2 INLETS 2x3-H
STA = 32+90 @ 66.60' LT

EXISTING SANITARY SEWER MANHOLE SAN 136
STA = 32+69 @ 52.75' LT

13.0 MANHOLES 3x3-J
STA = 32+50 @ 14.00' RT

14.1 INLETS 3x3-H
STA = 33+52 @ 23.50' LT

14.2 INLETS 3x3-H
STA = 33+62 @ 23.50' LT

14.0 MANHOLES 3x3-J
STA = 33+52 @ 14.00' RT

14.4 INLETS 2x3-H
STA = 33+62 @ 23.50' RT

EX.2 EXISTING INLET TO REMAIN
STA = 33+80 @ 47.01' RT

14.3 MANHOLES 5-H
STA = 33+52 @ 23.50' RT

13.2 INLETS 2x3-H
STA = 32+81 @ 56.90' RT

T14.3 INLETS 3-B
STA = 33+42 @ 32.00' RT

29+00 30+00 31+00 32+00 33+00 34+00

N

2

11.1 11.0 11.3 11.4 11.6
801.74 801.88 801.74 801.74 802.01
798.00 797.62 797.25 797.42 797.42 797.80
796.75 796.53
38 LF SSPRC CLASS III 12-INCH @ 1.01%
11 LF SSPRC CLASS III 12-INCH @ 3.62%
37 LF SSPRC CLASS III 12-INCH @ 0.47%
10 LF SSPRC CLASS III 18-INCH @ 2.32%

12.1 12.4
801.91 801.94
797.61 797.81
10 LF SSPRC CLASS III 15-INCH @ 2.00%

12.1 12.0 12.2 T12.2
801.91 802.05 801.91 801.50
797.61 797.23 797.54 798.75 798.66 797.22
38 LF SSPRC CLASS III 15-INCH @ 1.01%
9 LF SSPRC CLASS III 12-INCH @ 1.06%
10 LF SSPRC CLASS III 15-INCH @ 3.37%

22.0 13.0 13.1
801.23 802.32 801.07
795.56 795.32 797.62 797.96
81 LF SSPRC CLASS III 24-INCH @ 0.30%
35 LF SSPRC CLASS III 12-INCH @ 0.99%

14.1 14.0 14.3 EX.2
801.91 802.07 801.91 802.52
798.03 797.65 798.15 798.05 799.53 800.27
38 LF SSPRC CLASS III 15-INCH @ 1.01%
10 LF SSPRC CLASS III 12-INCH @ 1.05%
37 LF SSPRC CLASS III 12-INCH @ 2.01%

11.1 11.2 11.3 T11.3 11.5 11.4
801.74 801.80 801.60 801.35 801.74 801.74
798.00 798.10 798.66 798.78 797.60 797.42
11 LF SSPRC CLASS III 12-INCH @ 1.00%
13 LF SSPRC CLASS III 12-INCH @ 1.00%
36 LF SSPRC CLASS III 12-INCH @ 0.51%

12.2 12.3
801.91 801.94
798.12 798.19
10 LF SSPRC CLASS III 12-INCH @ 0.70%

22.1 22.0 22.2
801.16 801.23 801.16
798.15 798.02
6 LF SSPRC CLASS III 12-INCH @ 2.29%
795.97 796.16
39 LF SSPRC CLASS III 12-INCH @ 0.50%

13.1 13.2
801.07 800.96
797.96 798.15
38 LF SSPRC CLASS III 12-INCH @ 0.50%

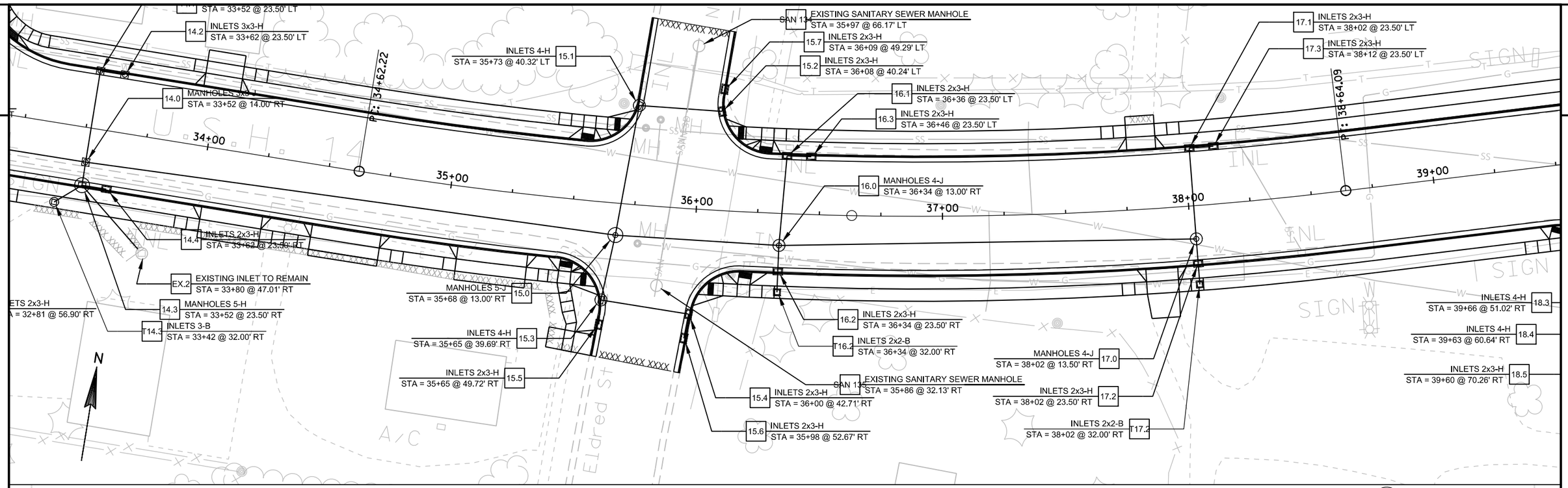
14.1 14.2
801.91 801.95
798.03 798.08
11 LF SSPRC CLASS III 15-INCH @ 0.50%

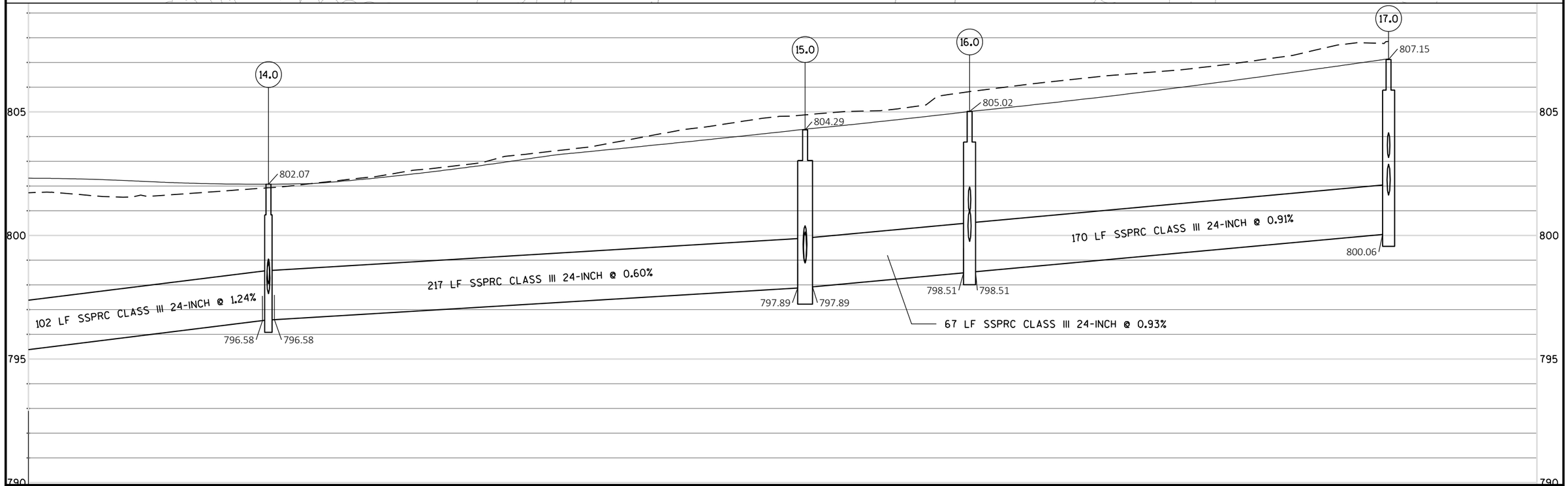
T14.3 14.3 14.4
801.47 801.91 801.95
799.04 798.91 798.20 798.15
14 LF SSPRC CLASS III 12-INCH @ 1.00%
10 LF SSPRC CLASS III 12-INCH @ 0.50%

800
795

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 65	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504 (2)
PLOT DATE : 9/25/2020 6:58 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 66	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505

PLOT DATE : 9/25/2020 6:58 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

STA = 33+52 @ 23.50' LT

14.2 INLETS 3x3-H
STA = 33+62 @ 23.50' LT

14.0 MANHOLES 5-J
STA = 33+52 @ 14.00' RT

PI: 34+62.22

INLETS 4-H
STA = 35+73 @ 40.32' LT 15.1

34+00

35+00

36+00

37+00

38+00

39+00

SAN 134 EXISTING SANITARY SEWER MANHOLE
STA = 35+97 @ 66.17' LT

15.7 INLETS 2x3-H
STA = 36+09 @ 49.29' LT

15.2 INLETS 2x3-H
STA = 36+08 @ 40.24' LT

16.1 INLETS 2x3-H
STA = 36+36 @ 23.50' LT

16.3 INLETS 2x3-H
STA = 36+46 @ 23.50' LT

17.1 INLETS 2x3-H
STA = 38+02 @ 23.50' LT

17.3 INLETS 2x3-H
STA = 38+12 @ 23.50' LT

PI: 38+64.09

16.0 MANHOLES 4-J
STA = 36+34 @ 13.00' RT

14.4 INLETS 2x3-H
STA = 33+62 @ 23.50' RT

EX.2 EXISTING INLET TO REMAIN
STA = 33+80 @ 47.01' RT

ETS 2x3-H
= 32+81 @ 56.90' RT

14.3 MANHOLES 5-H
STA = 33+52 @ 23.50' RT

14.3 INLETS 3-B
STA = 33+42 @ 32.00' RT

MANHOLES 5-J
STA = 35+68 @ 13.00' RT 15.0

INLETS 4-H
STA = 35+65 @ 39.69' RT 15.3

INLETS 2x3-H
STA = 35+65 @ 49.72' RT 15.5

15.4 INLETS 2x3-H
STA = 36+00 @ 42.71' RT

16.2 INLETS 2x3-H
STA = 36+34 @ 23.50' RT

T16.2 INLETS 2x2-B
STA = 36+34 @ 32.00' RT

SAN 135 EXISTING SANITARY SEWER MANHOLE
STA = 35+86 @ 32.13' RT

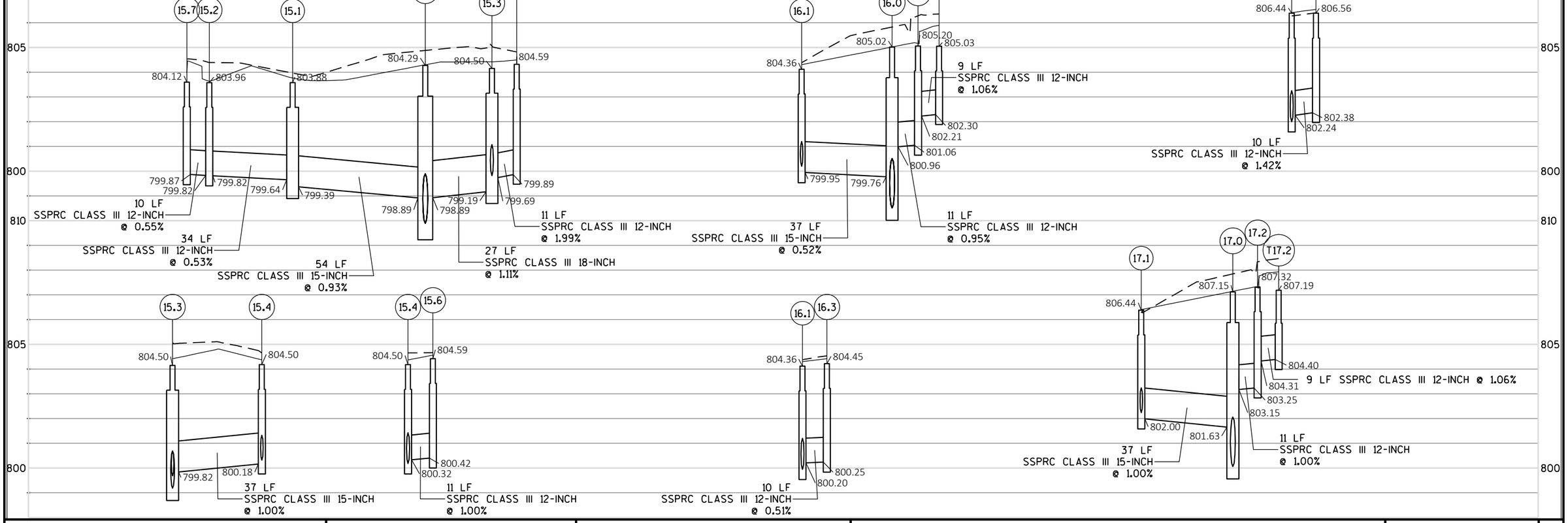
MANHOLES 4-J
STA = 38+02 @ 13.50' RT 17.0

INLETS 2x3-H
STA = 38+02 @ 23.50' RT 17.2

INLETS 4-H
STA = 39+66 @ 51.02' RT 18.3

INLETS 4-H
STA = 39+63 @ 60.64' RT 18.4

INLETS 2x3-H
STA = 39+60 @ 70.26' RT 18.5



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 67	E

2

EXISTING SANITARY SEWER MANHOLE SAN 1.16
STA = 40+19 @ 73.28' LT

INLETS 2x3-H
STA = 38+02 @ 23.50' LT

INLETS 2x3-H
STA = 38+12 @ 23.50' LT

P.I.: 38+64.09

20.1 INLETS 2x3-H
STA = 40+59 @ 23.50' LT

20.3 INLETS 2x3-H
STA = 40+69 @ 23.50' LT

P.I.: 40+93.68

2+30.00

MANHOLES 4x4-J 20.0
STA = 40+59 @ 12.00' RT

MANHOLES 5-J 30.0
STA = 43+25 @ 7.62' RT

39+00 40+00 41+00 42+00 43+00 44+00

20.4 INLETS 4-H
STA = 40+59 @ 23.50' RT

21.3 INLETS 2x3-H
STA = 41+77 @ 22.65' RT

21.2 INLETS 2x3-H
STA = 41+52 @ 23.00' RT

21.1 INLETS 4-H
STA = 41+27 @ 23.34' RT

21.0 INLETS 4-H
STA = 41+02 @ 23.50' RT

20.2 INLETS MEDIAN 2G-MS
STA = 40+59 @ 40.00' RT

INLETS 4-H 18.3
STA = 39+66 @ 51.02' RT

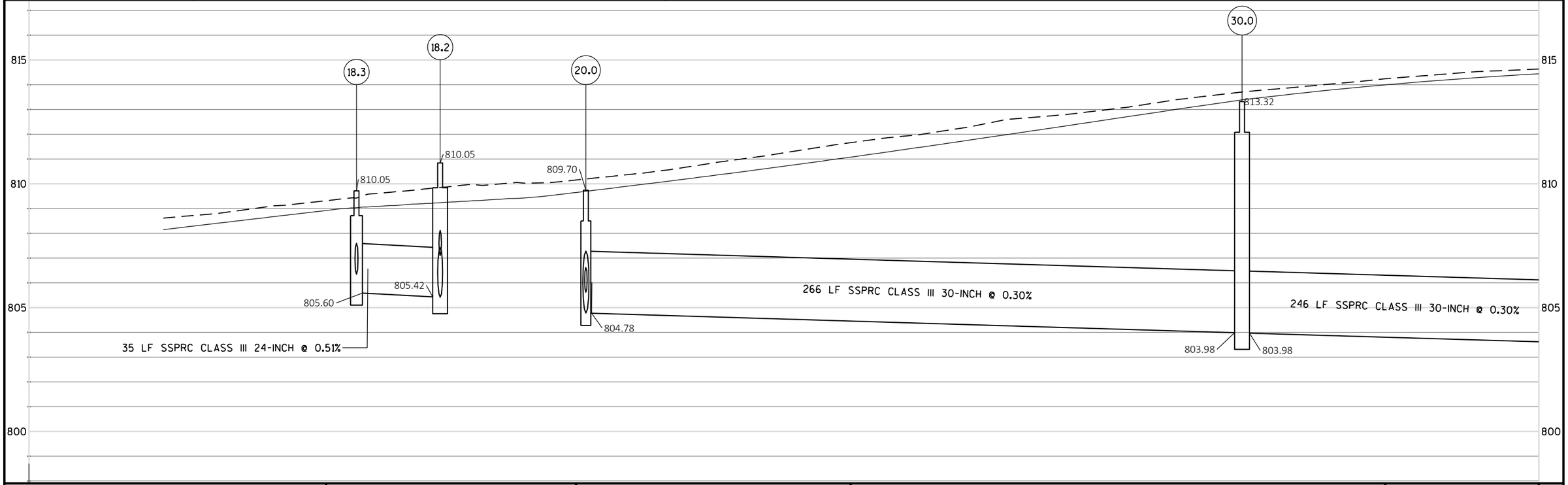
INLETS 4-H 18.4
STA = 39+63 @ 60.64' RT

INLETS 2x3-H 18.5
STA = 39+60 @ 70.26' RT

18.1 MANHOLES 5-H
STA = 40+05 @ 39.87' RT

18.2 MANHOLES 5-H
STA = 40+00 @ 60.53' RT

18.6 INLETS 2x3-H
STA = 39+97 @ 70.15' RT



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 68	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022506

PLOT DATE : 9/25/2020 6:59 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

EXISTING SANITARY SEWER MANHOLE SAN 1.16
STA = 40+19 @ 73.28' LT

INLETS 2x3-H
STA = 38+02 @ 23.50' LT

INLETS 2x3-H
STA = 38+12 @ 23.50' LT

P.I.: 38+64.09

20.1 INLETS 2x3-H
STA = 40+59 @ 23.50' LT

20.3 INLETS 2x3-H
STA = 40+69 @ 23.50' LT

P.I.: 40+93.68

2+30.00

MANHOLES 4x4-J 20.0
STA = 40+59 @ 12.00' RT

MANHOLES 5-J 30.0
STA = 43+25 @ 7.62' RT

39+00 40+00 41+00 42+00 43+00 44+00

20.4 INLETS 4-H
STA = 40+59 @ 23.50' RT

21.3 INLETS 2x3-H
STA = 41+77 @ 22.65' RT

21.2 INLETS 2x3-H
STA = 41+52 @ 23.00' RT

21.1 INLETS 4-H
STA = 41+27 @ 23.34' RT

21.0 INLETS 4-H
STA = 41+02 @ 23.50' RT

20.2 INLETS MEDIAN 2G-MS
STA = 40+59 @ 40.00' RT

INLETS 4-H 18.3
STA = 39+66 @ 51.02' RT

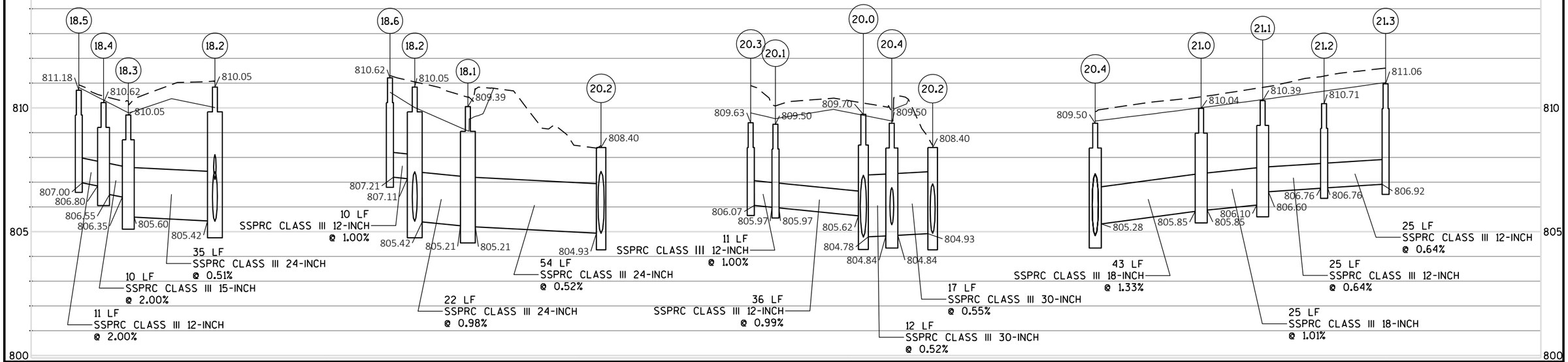
INLETS 4-H 18.4
STA = 39+63 @ 60.64' RT

INLETS 2x3-H 18.5
STA = 39+60 @ 70.26' RT

18.1 MANHOLES 5-H
STA = 40+05 @ 39.87' RT

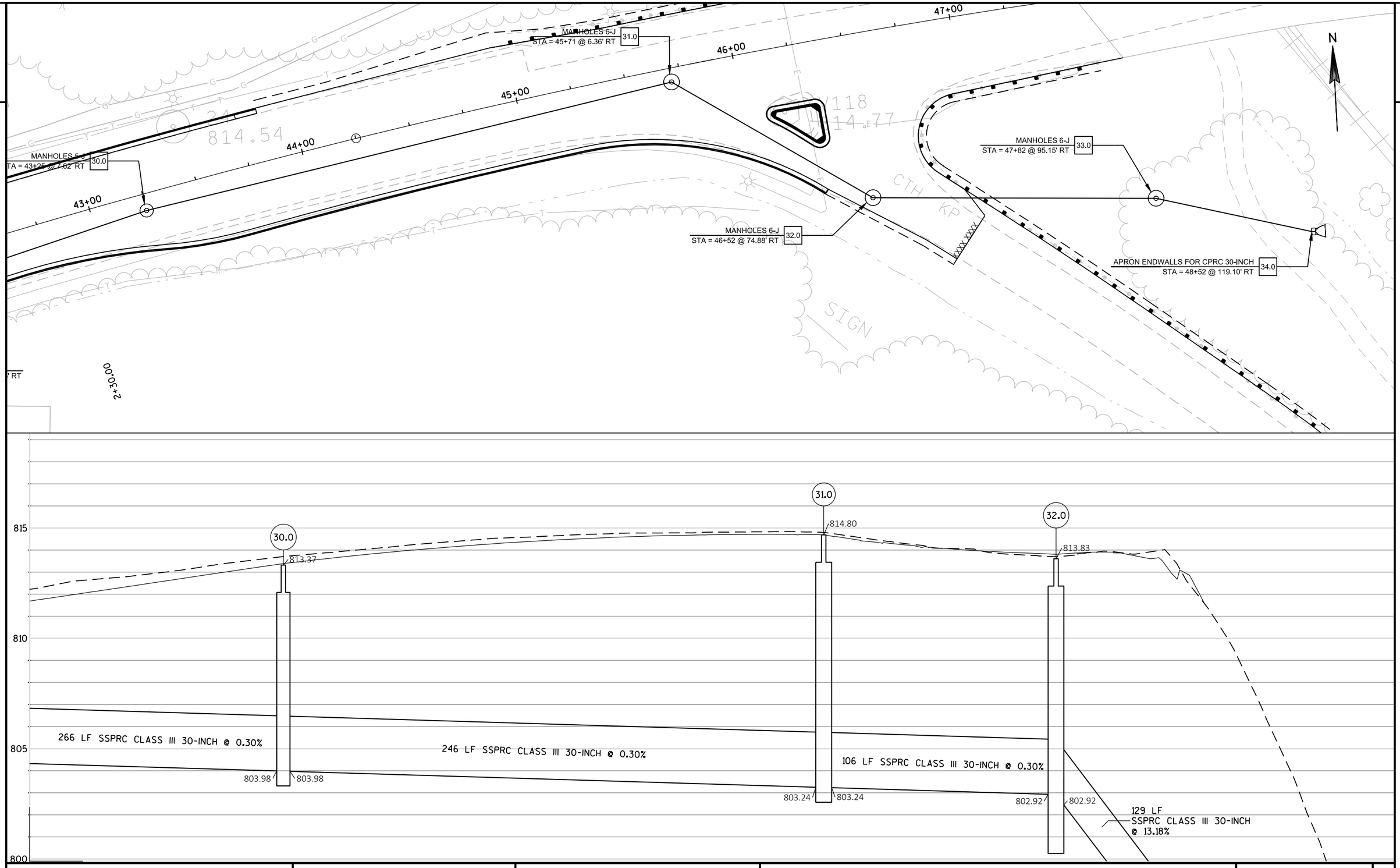
18.2 MANHOLES 5-H
STA = 40+00 @ 60.53' RT

18.6 INLETS 2x3-H
STA = 39+97 @ 70.15' RT

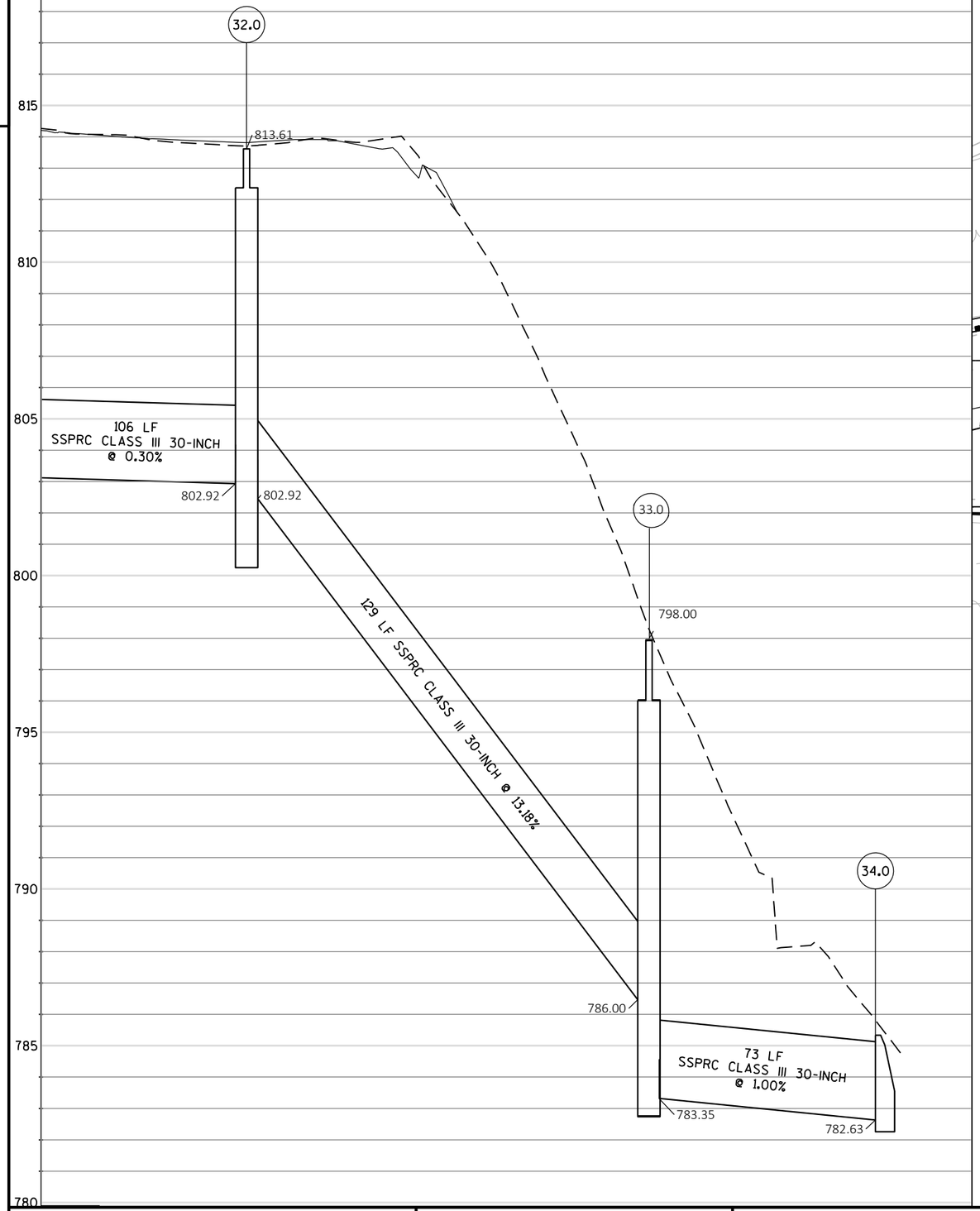


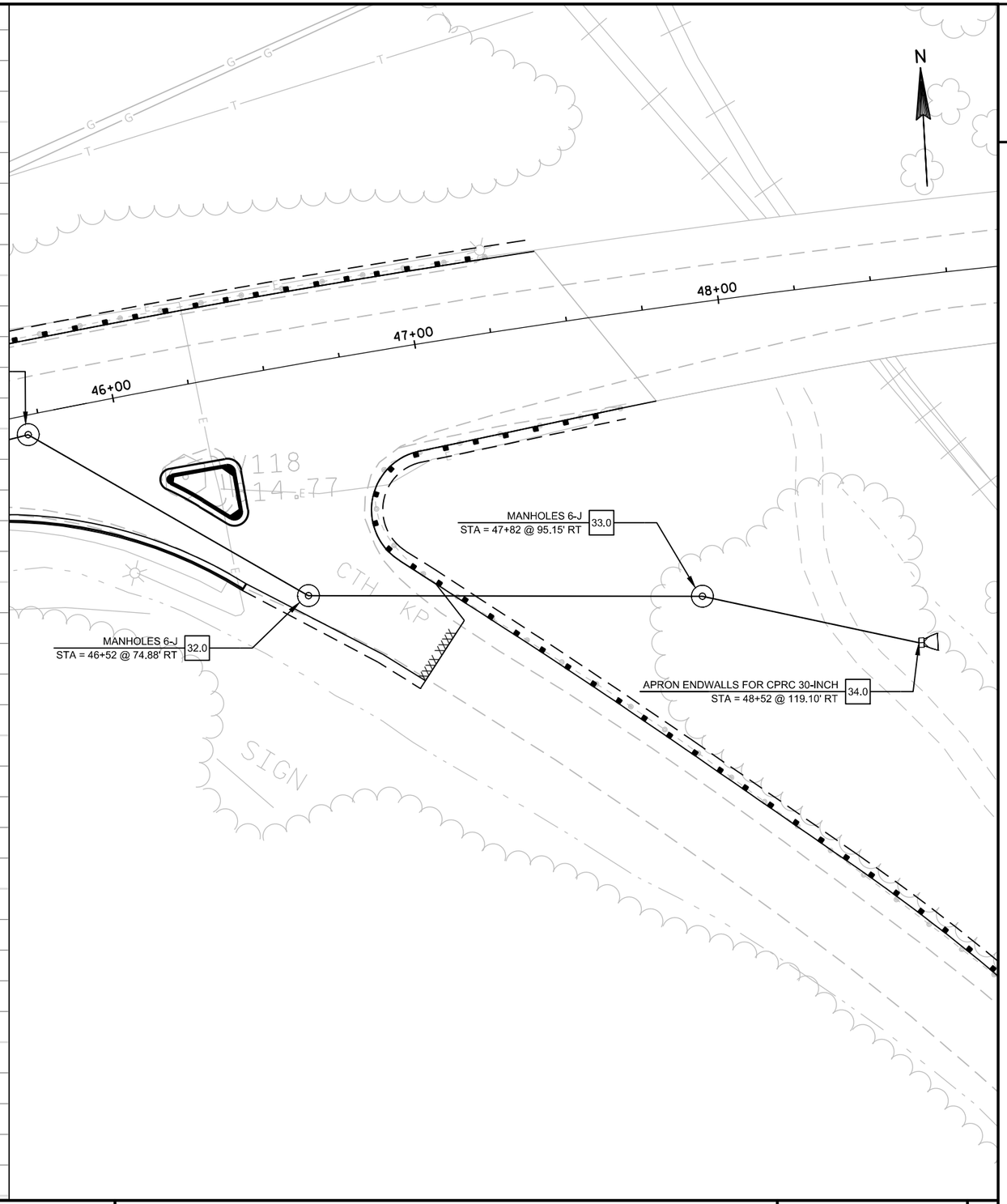
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 69	E

2



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 70	E





2

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 71	E

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

SEE SDD "LONGITUDINAL MARKING (MAINLINE)", "PAVEMENT MARKING (TURN LANES)", AND "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR MORE INFORMATION.

N

N Walter Road

REMOVE AND REPLACE
STOP
R1-1
30"X30"
1-3

REMOVE AND REPLACE
SPEED LIMIT 45
R2-1
24"X30"
1-1

REPLACE EXISTING PAVEMENT MARKING IMPACTED BY CONSTRUCTION STAGING.

STREET NAME SIGNS TO BE MOVED BY LOCALS

WAYFINDING SIGN MOVED BY LOCALS

Industrial Park
REMOVE
1-6

SIGN

XXXX

5+00 6+00 7+00 8+00 9+00 10+00

W4 DY W8 W4

+70 +91

CW-6

A2 WO W8 DY W4 A2

REMOVE AND REPLACE
SPEED LIMIT 45
R2-1
24"X30"
1-2

XXXX

S Walter Road

STREET NAME SIGNS TO BE MOVED BY LOCALS. ALL STREET NAME SIGNS MUST BE PLACED ON A SEPARATE SIGN SUPPORT.

1-4
REMOVE AND REPLACE
STOP
R1-1
30"X30"

1-5
SPEED LIMIT 30
W3-5
36"X36"
REMOVE AND REPLACE

LEGEND
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- XXX DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 72	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\024501-PM SIGNS ERIK UPDATE.DWG
LAYOUT NAME - 1
PLOT DATE : 7/30/2020 9:25 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

N

W8
3 FT LINE
9 FT GAP

2-1 **Industrial Park** →
D1-57SR
72"X24"

2-3 SPEED LIMIT 45
R2-1
24"X30"
REMOVE AND REPLACE

A2

86+

11+00

12+00

13+00

98+

14+00

W4

W4

DY

15+00

16+00

90+

U.S.H. 14

XXXX

XXXX

2-2 SPEED LIMIT 30
R2-1
24"X30"
REMOVE AND REPLACE

SIGN

SIGN

MH

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

(XXX) DENOTES SIGN NUMBER

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

MOVE SIGNS
ADOPT A HIGHWAY I55-56
SONS OF AMERICAN LEGION SQUAD 431 MAZOMANIE I55-56P
3-1

STREET NAME SIGNS TO BE MOVED BY LOCALS

REMOVE AND REPLACE
SPEED LIMIT 30
R2-1 24"X30"
3-2

REMOVE AND REPLACE
3-4 STOP
R1-1 30"X30"

3-8 / 3-9 END CENTER LANE ONLY
R3-9D 24"X6"
R3-9B 24"X36"

3-3 SPEED LIMIT 30
REMOVE AND REPLACE
R2-1 24"X30"

STREET NAME SIGNS TO BE MOVED BY LOCALS

3-5 STOP
REMOVE AND REPLACE
R1-1 30"X30"

3-6 / 3-7 BEGIN CENTER LANE ONLY
R3-9C 24"X6"
R3-9B 24"X36"

3-10 NO PASSING ZONE
REMOVE

XXXX XXXX XXXX
XXXX XXXX
PCC: 16+61.53
CW-6
DIA-Y
DY
W4
W8
A2
17+00
18+00
19+00
20+00
21+00
22+00
60+00
+25
+60
N
Wall Street
Road
CANOPY
SIGN

LEGEND
EXISTING SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON POST(S)
XXX DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 74	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\024501-PM SIGNS ERIK UPDATE.DWG
LAYOUT NAME - 3
PLOT DATE : 7/30/2020 9:25 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########

2

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

N

STOP
R1-1
30"X30"
4-1
REMOVE AND REPLACE

STREET NAME SIGNS TO BE MOVED BY LOCALS

4-3
SPEED LIMIT 30
REMOVE

WAYFINDING SIGN MOVED BY LOCALS

CANOPY
CANOPY
FELLER CARS
SIGN
INL
XXXX XXXX XXXX
XXXX
XXXX XXXX XXXX
CW-6
W4
DY
W4
22+00
A2
23+00
A2
24+00
25+00
26+00
A2
27+00
A2
28+00
A2
S Crocker St
U/C
A/C
W

WAYFINDING SIGN MOVED BY LOCALS

4-2
STOP
R1-1
30"X30"
REMOVE AND REPLACE

4-4
SPEED LIMIT 30
REMOVE

4-5
JCT COUNTY Y
J1-1
24"X39"
REMOVE AND REPLACE AT NEW LOCATION

LEGEND
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 75	E

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

STREET NAME SIGNS TO BE MOVED BY LOCALS

REMOVE AND REPLACE
5-5 STOP R1-1 30"X30"

BEGIN CENTER LANE ONLY
R3-9C 24"X6"
R3-9B 24"X36"
5-3
5-4

MOVE SIGN TO NEW LOCATION
5-8

SPEED LIMIT 30
R2-1 24"X30"
5-9

REMOVE AND REPLACE
5-11 STOP R1-1 30"X30"

WEST 14
J4-1 24"X36"
REMOVE AND REPLACE AT NEW LOCATION
5-13

STREET NAME SIGNS TO BE MOVED BY LOCALS

STOP
REMOVE
5-16

ATTACH TO SIGNAL POLE
STOP R1-1F 30"X30"
5-17

STOP
REMOVE
5-21

COUNTY Y
REMOVE
5-22

NO PASSING ZONE
REMOVE

N

XXXX XXXX XXXX XXXX
SL
CW-6

5-15
5-23
STOP R1-1F 36"X36"
ATTACH TO SIGNAL POLE

SL
W8
W4
A2
DY
DIA-Y
+35

28+00
29+00
30+00
31+00
32+00
33+00
34+

W8
W4
+96
+49
+65
DY
DIA-Y
A2
+80
+96
+49
W4
W8
SL

5-1
5-2
END CENTER LANE ONLY
R3-9D 24"X6"
R3-9B 24"X36"

5-6
STOP R1-1 30"X30"
REMOVE AND REPLACE

5-7
SPEED LIMIT 30
R2-1 24"X30"
REMOVE AND REPLACE

5-10
WAYFINDING SIGN MOVED BY LOCALS

W3-3 36"X36"

5-12
STOP R1-1 30"X30"
REMOVE AND REPLACE

TOPO OUT OF DATE 3/28/2017

5-14
COUNTY Y
J13-1 24"X45"
REMOVE AND REPLACE AT NEW LOCATION

5-18
14
J13-1 24"X45"
REMOVE AND REPLACE
ATTACH TO SIGNAL POLE ABOVE THE SIGNAL

5-19
STOP
REMOVE

5-20
STOP R1-1F 30"X30"
ATTACH TO SIGNAL POLE

5-24
EAST 14
J4-1 24"X36"
REMOVE AND REPLACE

LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 76	E

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

WAYFINDING SIGN MOVED BY LOCALS

6-1 COUNTY Y J13-1 24"X45"

6-2 WRIGHT TRAIL MOVE SIGN TO NEW LOCATION

6-3 SPEED LIMIT 30 REMOVE

W3-3 36"X36"

6-4 STOP R1-1 30"X30" REMOVE AND REPLACE

6-5 STOP R1-1 30"X30" REMOVE AND REPLACE

STREET NAME SIGNS TO BE MOVED BY LOCALS

6-6 6-7 BEGIN CENTER LANE ONLY R3-9C 24"X6" R3-9B 24"X36"

6-8 6-9 R3-9D 24"X6" END CENTER LANE ONLY R3-9B 24"X36"

REMOVE AND REPLACE AT NEW LOCATION

6-10 1/4 OLD FEED MILL MOVE SIGN

6-11 SPEED LIMIT 30 R2-1 24"X30"

6-12 SPEED LIMIT 30 R2-1 24"X30" REMOVE AND REPLACE

WAYFINDING SIGN MOVED BY LOCALS

REMOVE AND REPLACE

6-13 JCT COUNTY Y J1-1 24"X39"

LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 77	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\024501-PM SIGNS ERIK UPDATE.DWG
LAYOUT NAME - 6

PLOT DATE : 7/30/2020 9:25 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

N

REMOVE AND REPLACE
STOP
R1-1
30"X30"
7-1

WAYFINDING SIGN MOVED BY LOCALS

MOVE SIGN
OLD FEED MILL
1/4
7-4

REMOVE AND REPLACE
STOP
R1-1
30"X30"
7-5

SPEED LIMIT 30
REMOVE
7-6

WEST 14
MOVE SIGN
7-8

FRANK LLOYD WRIGHT TRAIL
MOVE SIGN
7-9

STREET NAME SIGNS TO BE MOVED BY LOCALS

W8
+31
40+00
41+00
A2
A2
+31
42+00
+02
DY
W4
43+00
DIA-Y
DY
44+00
DIA-Y
45+00
W4
+68
W8
W4
+23
0

CW-6
INL
INL
INL
GN
S Cramer St
XXXX XXXX XXXX

7-2
STOP
R1-1
30"X30"

7-3
JCT
COUNTY
KP
J1-1
24"X39"
REMOVE AND REPLACE

7-7
SPEED LIMIT 30
R2-1
24"X30"
REMOVE AND REPLACE

WAYFINDING SIGN MOVED BY LOCALS

LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
XXX	DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 78	E

LEGEND	
W4	MARKING EPOXY 4-INCH, WHITE
W8	MARKING EPOXY 8-INCH, WHITE
Y4	MARKING EPOXY 4-INCH, YELLOW
DY	MARKING EPOXY 4-INCH, DOUBLE YELLOW
DIA-Y	MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 25 FT SPACING
CW-6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
SL	MARKING STOP LINE EPOXY 18-INCH
A2	MARKING ARROWS EPOXY, TYPE 2

REMOVE AND REPLACE
Mazomanie
POPULATION 1652
I2-3
72"X24"
8-2

W1-7
48"X24"
8-5

REMOVE AND REPLACE
COUNTY KP
J13-1
24"X45"
8-6

REMOVE AND REPLACE
ATTACH TO LIGHT POLE
8-8
SPEED LIMIT 30
R2-1
36"X48"

REPLACE EXISTING PAVEMENT MARKING IMPACTED BY CONSTRUCTION STAGING.

N

W4
DY
DIA-Y
W8
SL
44+00
45+00
46+00
47+00
48+00
49+00
+68
+23
+54

REMOVE AND REPLACE
COUNTY KP
J13-1
24"X45"
8-1

8-3
14
J13-1
24"X45"
REMOVE AND REPLACE

8-4
STOP
R1-1

MOVE SIGN

8-7
STOP
R1-1
30"X30"

8-9
EAST 14
J4-1
24"X36"
REMOVE AND REPLACE

8-10
MOVE SIGN
PROTECTED WRIGHT TRAIL

CTH KP
XXX

LEGEND
REMOVE AND REPLACE
EXISTING SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON POST(S)
XXX DENOTES SIGN NUMBER

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET 79	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\024501-PM SIGNS ERIK UPDATE.DWG
LAYOUT NAME - 8
PLOT DATE : 7/30/2020 9:26 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########

LIGHTING PLANS PREPARED BY:

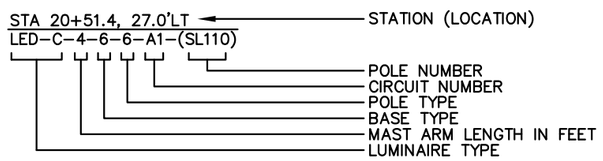
DATE _____ SIGNATURE _____

100% DRAWINGS

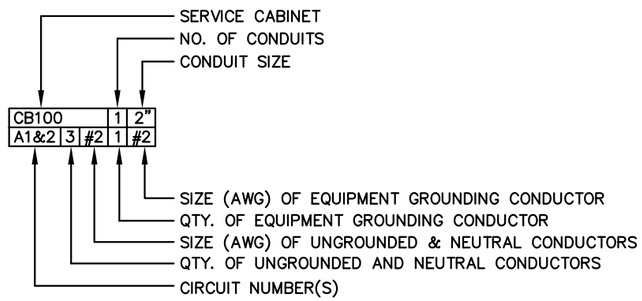
LEGEND:

- SINGLE ARM LIGHTING UNIT – TYPE 6
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX (24"x42" STEEL)

LIGHTING UNIT LEGEND



CONDUIT/CONDUCTOR LEGEND



ABBREVIATIONS:

PWO = PULL WIRE ONLY

NOTES:

1) WISCONSIN DOT ELECTRICAL UNIT SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES AND PULLBOXES IN THE FIELD PRIOR TO INSTALLATION. CONTACT THEM 3 DAYS IN ADVANCE.
2) PITCH ALL CONDUIT TOWARD PULLBOXES. A 2" DRAIN DUCT TO DITCH OR STORM SEWER REQUIRED FOR ALL PULLBOXES IN LOW POINTS. REFER TO THE MISCELLANEOUS QUANTITIES FOR LOCATIONS OF DRAIN DUCT.
3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
4) ALL POLES SHALL BE PLACED A MINIMUM OF 2–3 FEET FROM THE FACE OF CURB.
5) CABINET BASES AND THE PULLBOXES AND CONDUIT WITHIN THE AREA OF CABINET BASES SHALL BE INSTALLED PER FIELD CONDITIONS (WITH ENGINEER APPROVAL). VERIFY THE LOCATION OF ALL ELECTRICAL FACILITIES WITH THE ENGINEER PRIOR TO INSTALLING.
6) TWO (2) 120–VOLT CIRCUITS WITH A SHARED NEUTRAL AND GROUND CONDUCTOR SHALL BE EXTENDED BETWEEN ALL STREETLIGHTS UNLESS NOTED OTHERWISE. ALTERNATE STREETLIGHT CONNECTIONS BETWEEN THE TWO CIRCUITS. STREETLIGHTS SHALL OPERATE AT 120 VOLTS. AT THE CONTROL CABINET PANEL, THE CONTRACTOR SHALL PROVIDE INDIVIDUAL SINGLE POLE BREAKERS FOR EACH LIGHT CIRCUIT.
7) NO SPLICES ALLOWED IN PULLBOXES UNLESS NOTED OTHERWISE.
8) CONDUIT MUST BE PLACED PRIOR TO CURB AND GUTTER AND SIDEWALK CONSTRUCTION.
9) FOR ELECTRIC UTILITY ASSISTANCE CONTACT MR. SHAWN DILLEY OF VANGUARD ELECTRIC, AT 608–767–2561.
10) LIGHT FIXTURES AND MASTARMS MOUNTED ON TRAFFIC CONTROL POLES ARE TO BE INSTALLED BY THE TRAFFIC CONTROL POLE INSTALLER ALONG WITH ALL RELATED WIRING AND CONDUIT BACK TO THE RELATED TRAFFIC CONTROL CABINET WITH LIGHT CONTROLS. REFER TO TRAFFIC CONTROL DRAWINGS FOR MORE DETAILS.

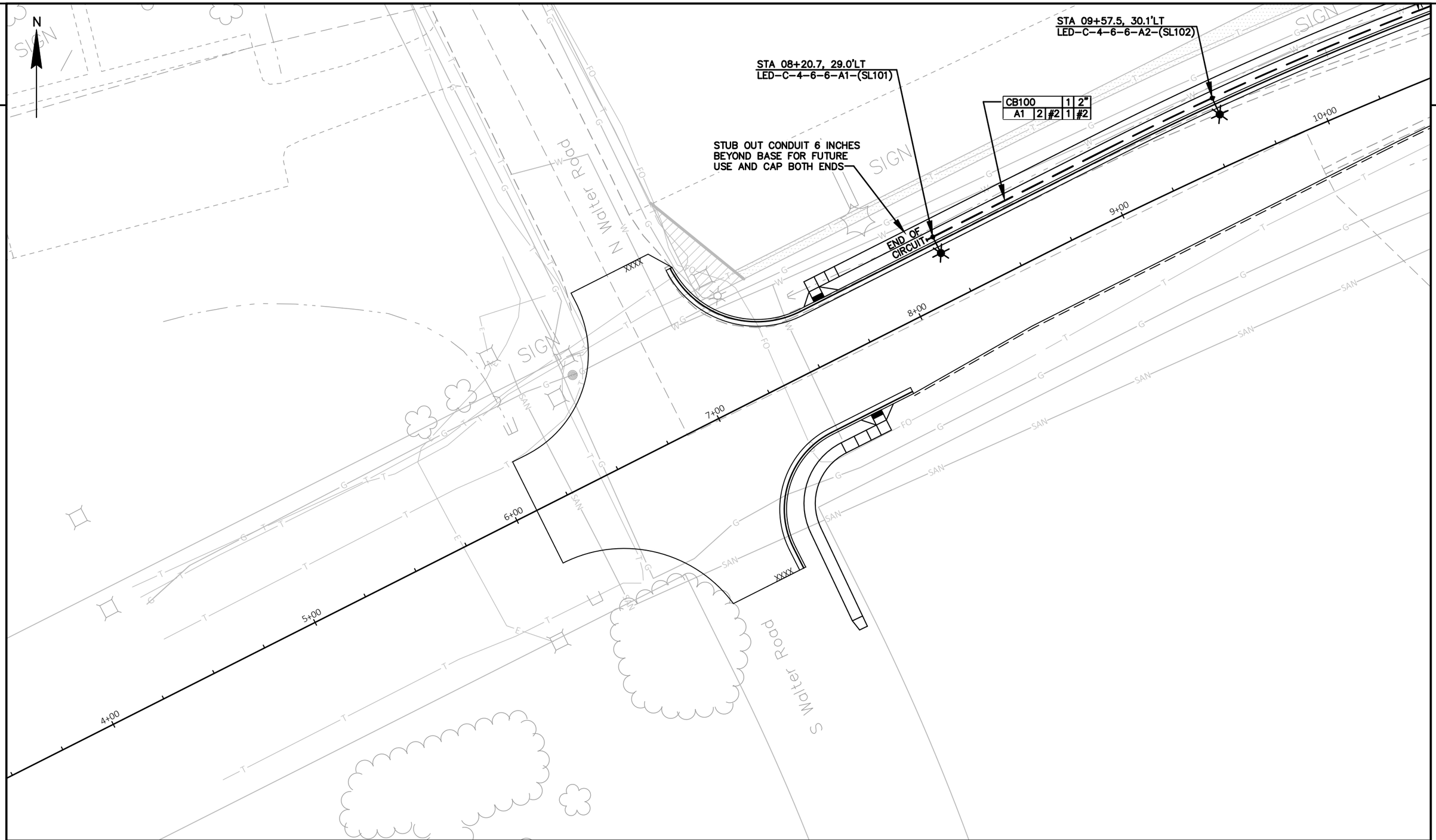
Sheet 01 of 11

HIGHWAY LIGHTING
USH 14 (E COMMERCIAL ST)
CITY OF MAZOMANIE
DANE COUNTY

DESIGN: FORSTER ELECTRICAL ENGINEERING

DATE: 2020–07–14 REV: 2

PROJECT NO: 5310–02–76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – GENERAL NOTES	SHEET 80	E



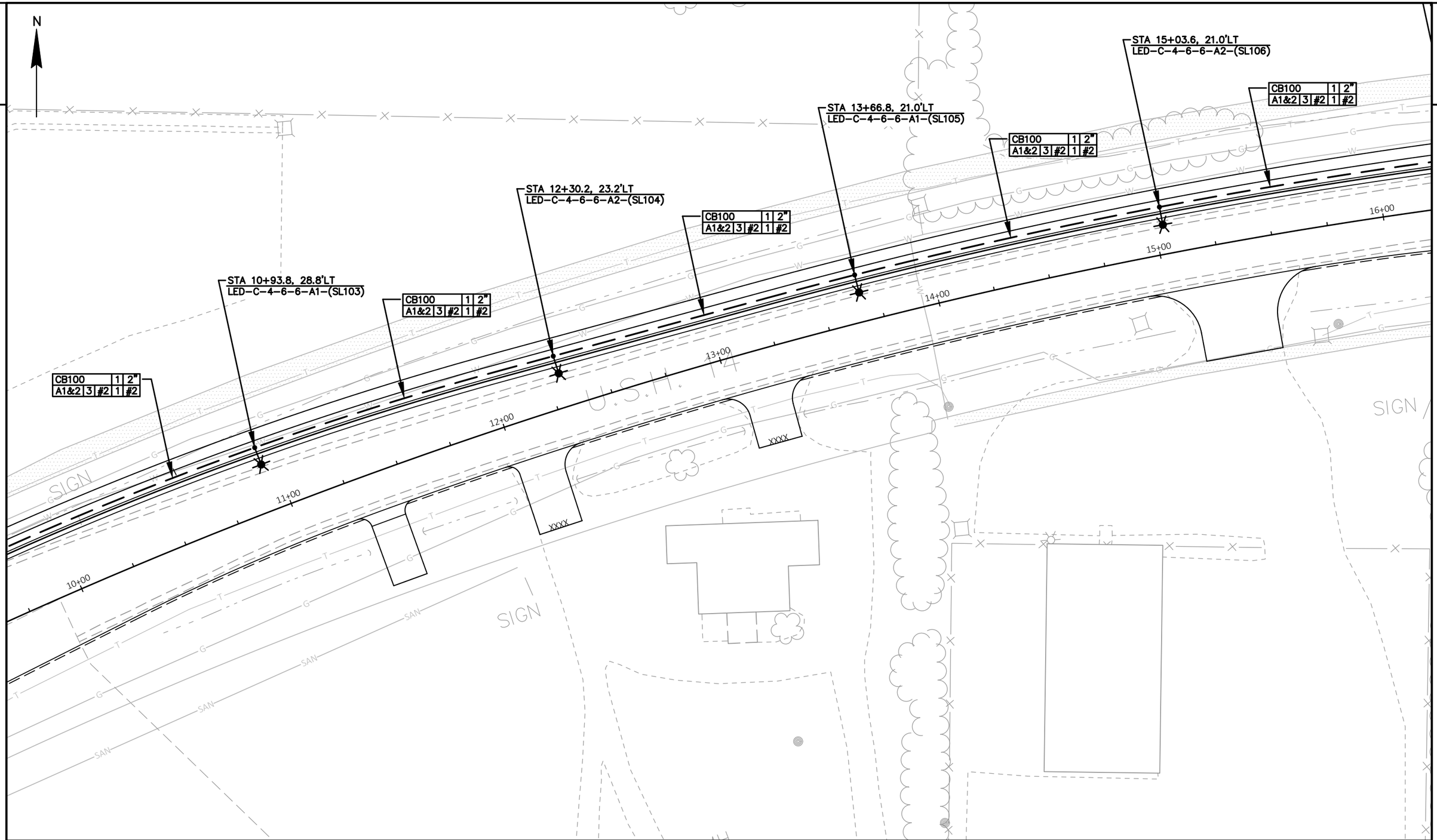
Sheet 02 of 11

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 81	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E1)

PLOT DATE : 7/14/2020 11:27 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 44



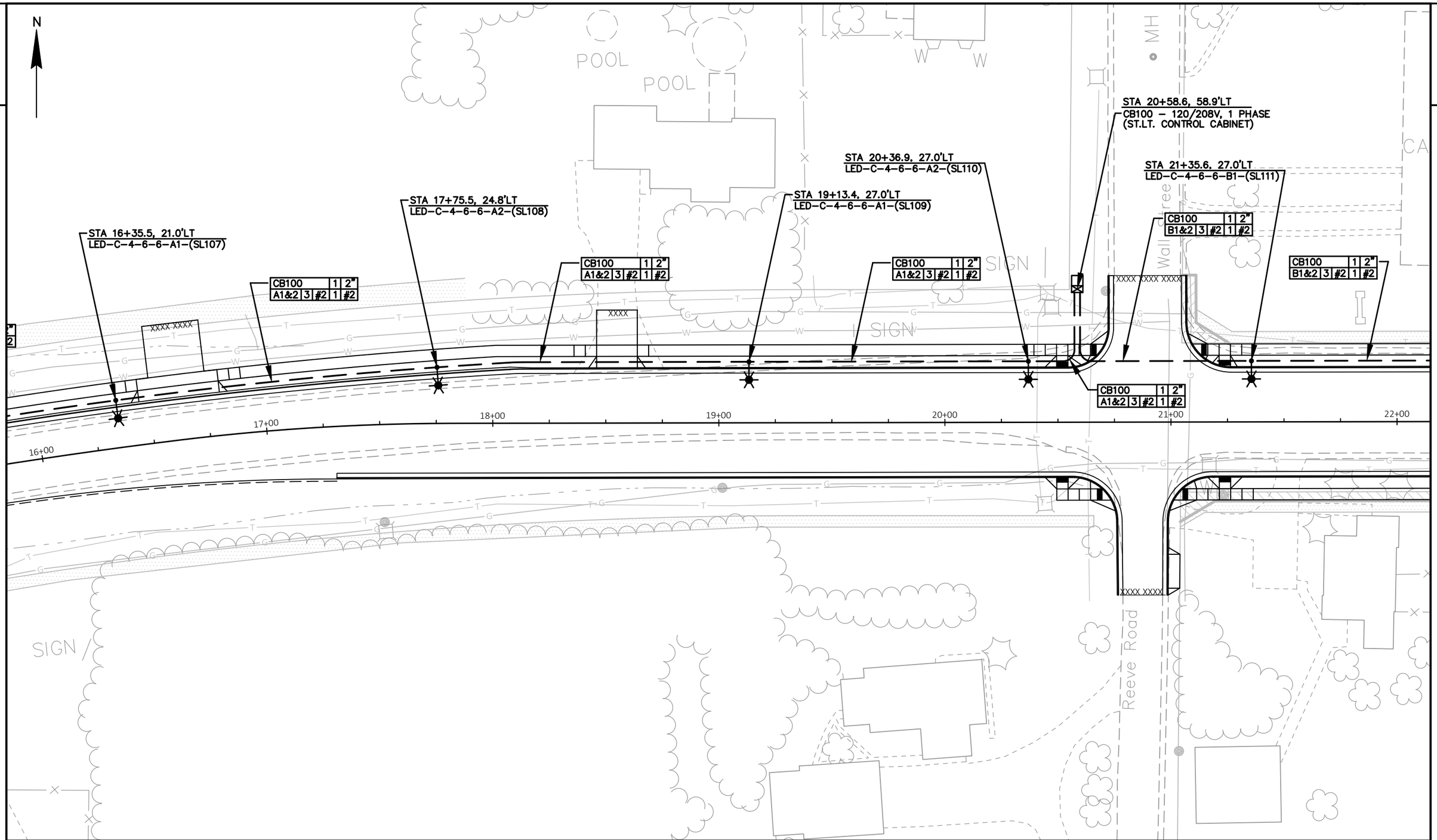
Sheet 03 of 11

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 82	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E2)

PLOT DATE : 7/14/2020 11:27 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 44



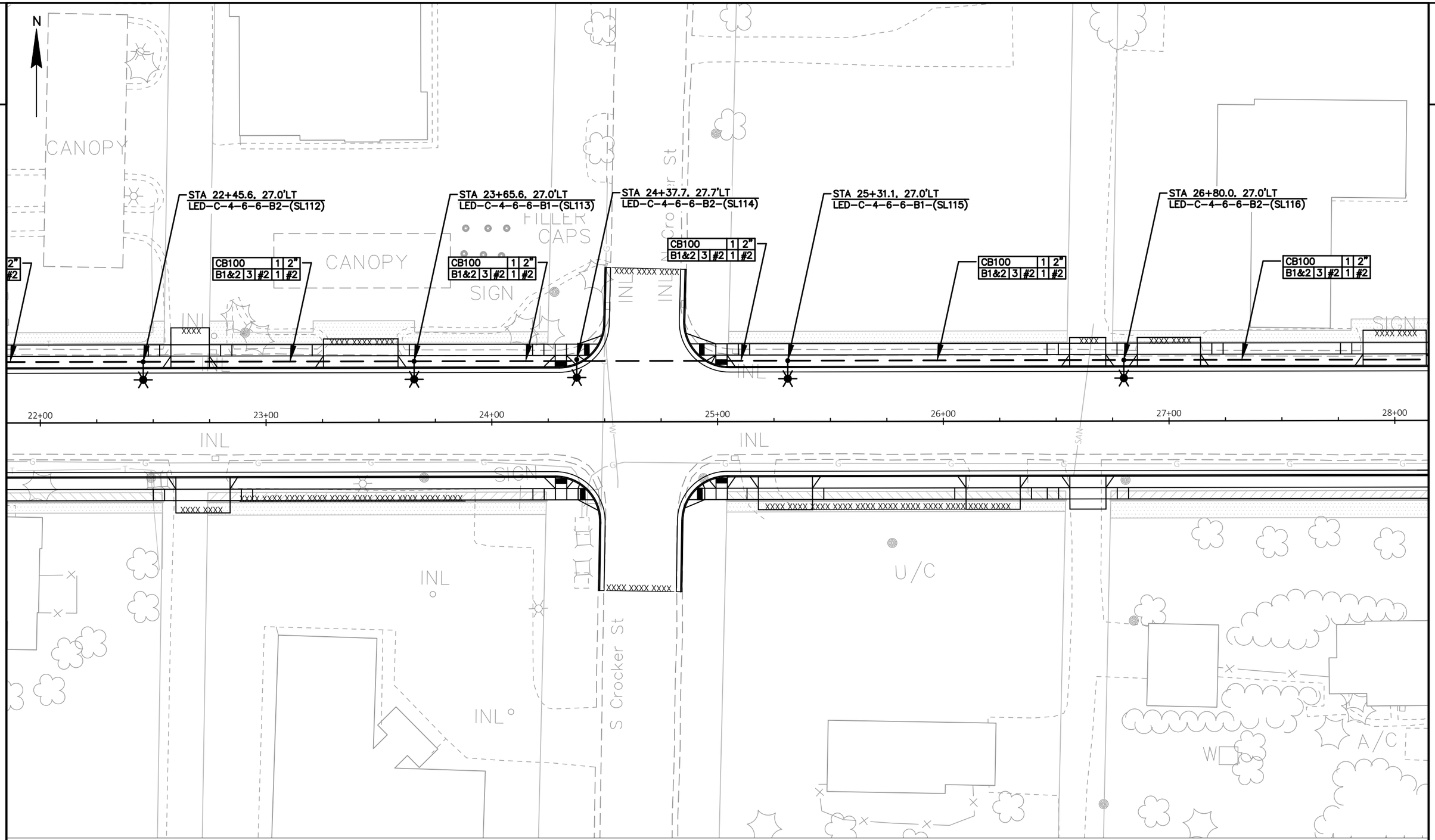
Sheet 04 of 11

PROJECT NO: 5310–02–76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 83	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03–19A DRAFTING\M03–19A–WDOT–5310–02–76–E01.DWG
LAYOUT NAME – SHEET (E3)

PLOT DATE : 7/14/2020 11:27 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

2



Sheet 05 of 11

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 84	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E4)

PLOT DATE : 7/14/2020 11:27 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

2

N

STA 28+25.6, 27.0'LT
LED-C-4-6-6-B1-(SL117)

STA 29+18.5, 27.0'LT
LED-C-4-6-6-B2-(SL118)

STA 30+13.5, 27.0'LT
LED-C-4-6-6-B1-(SL119)

STA 31+13.5, 27.0'LT
LED-C-4-6-6-B2-(SL120)

CB100	1	2"
B1&2	3 #2	1 #2

CB100	1	2"
B1&2	3 #2	1 #2

CB100	1	2"
B2	2 #2	1 #2

STUB OUT CONDUIT 6 INCHES BEYOND BASE FOR FUTURE USE AND CAP BOTH ENDS

END OF CIRCUIT

28+00 29+00 30+00 31+00 32+00 33+00 34+00

N Brodhead St

S Scott St

Brodhead St

GREENHOUSE

NOTE:

1) REFER TO GENERAL NOTES SHEET G01, DRAWING NOTE 11 FOR STREET LIGHTS INSTALLED ON TRAFFIC POLES.

2) STREET LIGHT CONDUIT AND WIRE NOT TO ENTER TRAFFIC CONTROL PULL BOXES OR POLES.

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 85	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E5)
PLOT DATE : 7/14/2020 11:28 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'
WISDOT/CADDS SHEET 44

2

2

N

STUB OUT CONDUIT 6 INCHES BEYOND BASE FOR FUTURE USE AND CAP BOTH ENDS

STA 34+22.8, 27.0'LT
LED-C-4-6-6-A2-(SL121)

STA 35+42.2, 27.0'LT
LED-C-4-6-6-A1-(SL122)

STA 36+24.1, 41.1'LT
CB200 – 120/240V, 1 PHASE
(ST.LT. CONTROL CABINET)

STA 36+50.4, 27.0'LT
LED-C-4-6-6-B1-(SL123)

STA 37+62.6, 27.0'LT
LED-C-4-6-6-B2-(SL124)

STA 38+70.7, 27.0'LT
LED-C-4-6-6-B1-(SL125)

STA 39+76.7, 27.0'LT
LED-C-4-6-6-B2-(SL126)

CB200	1	2"
A2	2	#2
	1	#2

CB200	1	2"
A1&2	3	#2
	1	#2

CB200	1	2"
B1&2	3	#2
	1	#2

CB200	1	2"
B1&2	3	#2
	1	#2

CB200	1	2"
B1&2	3	#2
	1	#2

END OF CIRCUIT

S.H. 14

34+00 35+00 36+00 37+00 38+00 39+00 40+00

S Eldred St

S Cramer St

N Cramer

A/C

SIGN

INL

MH

XXXX XXXX XXXX

Sheet 07 of 11

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 86	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E6)

PLOT DATE : 7/14/2020 11:28 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 44

2

N

STA 44+78.5, 27.0'LT
LED-C-4-6-6-B2-(SL130)

CB200 | 1 | 2"
B1&2 | 3 | #2 | 1 | #2

STA 43+41.6, 27.0'LT
LED-C-4-6-6-B1-(SL129)

CB200 | 1 | 2"
B1&2 | 3 | #2 | 1 | #2

STA 42+04.7, 27.0'LT
LED-C-4-6-6-B2-(SL128)

CB200 | 1 | 2"
B1&2 | 3 | #2 | 1 | #2

STA 40+67.8, 27.0'LT
LED-C-4-6-6-B1-(SL127)

CB200 | 1 | 2"
B1&2 | 3 | #2 | 1 | #2

N Cramer St

XXXX XXXX XXXX XXXX

XXXX XXXX XXXX

46+00

45+00

44+00

43+00

42+00

41+00

40+00

INL

INL

INL

INL

Cramer St

Sheet 08 of 11

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 87	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E7)

PLOT DATE : 7/14/2020 11:28 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

2

N

STA 47+38.8, 27.0'LT
LED-C-4-6-6-B2-(SL132)

STA 46+15.5, 27.0'LT
LED-C-4-6-6-B1-(SL131)

STUB OUT CONDUIT 6 INCHES BEYOND BASE FOR FUTURE USE AND CAP BOTH ENDS

CB200	1	2"
B2	2 #2	1 #2

END OF CIRCUIT

INL

INL

46+00

47+00

48+00

49+00

50+00

51+00

52+00

CTH KP

SIGN

Sheet 09 of 11

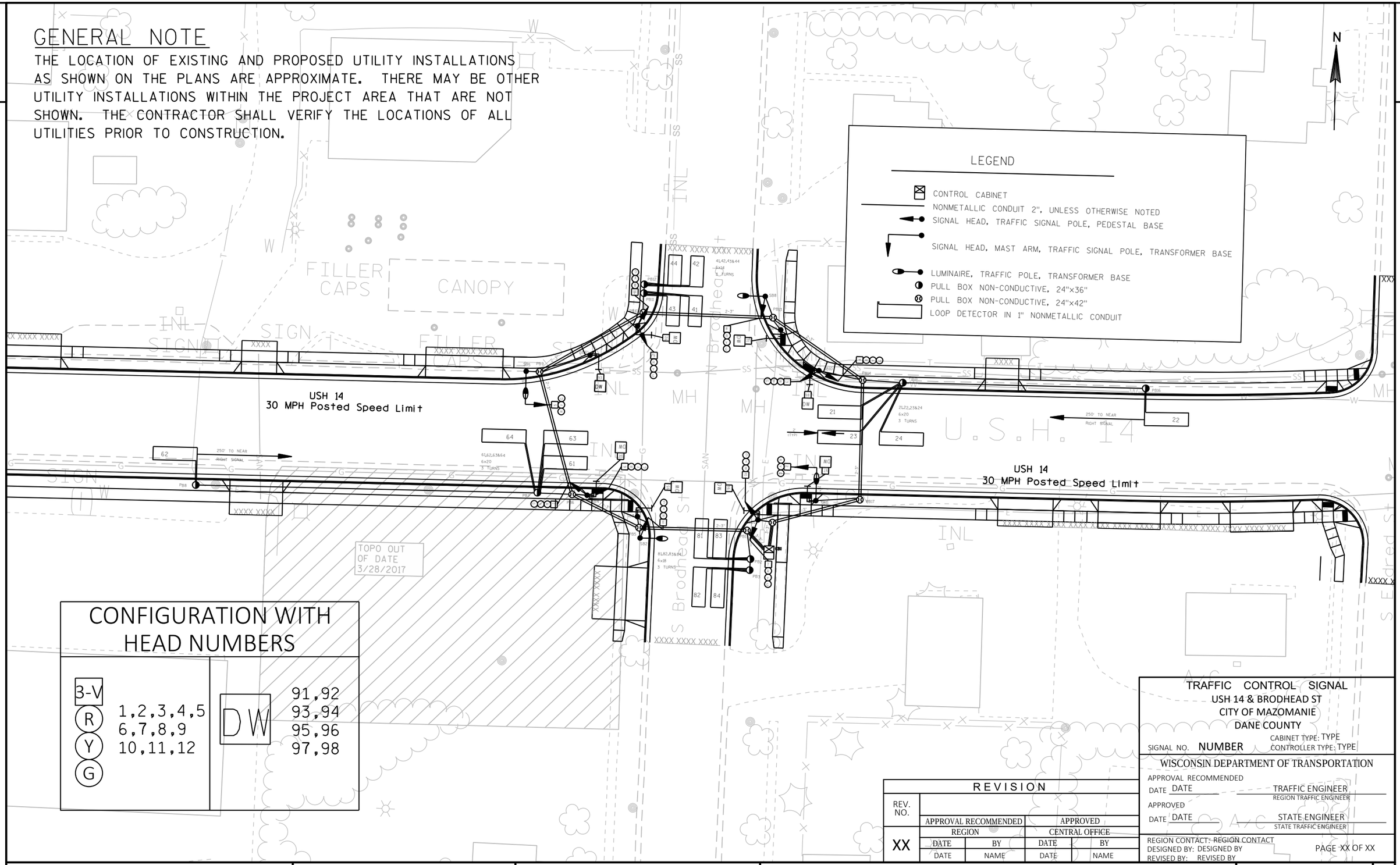
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN: LIGHTING PLAN – LAYOUT	SHEET 88	E

FILE NAME : C:\ABAUTZ CURRENT WORK\M3 MAZOMANIE\M03-19A DRAFTING\M03-19A-WDOT-5310-02-76-E01.DWG
LAYOUT NAME – SHEET (E8)

PLOT DATE : 7/14/2020 11:28 AM PLOT BY : FORSTER ENGINEERING PLOT NAME : PLOT SCALE : 1" = 40'

GENERAL NOTE

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



CONFIGURATION WITH HEAD NUMBERS

3-V		DW	91,92
R	1,2,3,4,5		93,94
Y	6,7,8,9		95,96
G	10,11,12		97,98

TRAFFIC CONTROL SIGNAL
USH 14 & BRODHEAD ST
CITY OF MAZOMANIE
DANE COUNTY
CABINET TYPE: TYPE
SIGNAL NO. NUMBER CONTROLLER TYPE: TYPE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE DATE TRAFFIC ENGINEER
REGION TRAFFIC ENGINEER

APPROVED
DATE DATE STATE ENGINEER
STATE TRAFFIC ENGINEER

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

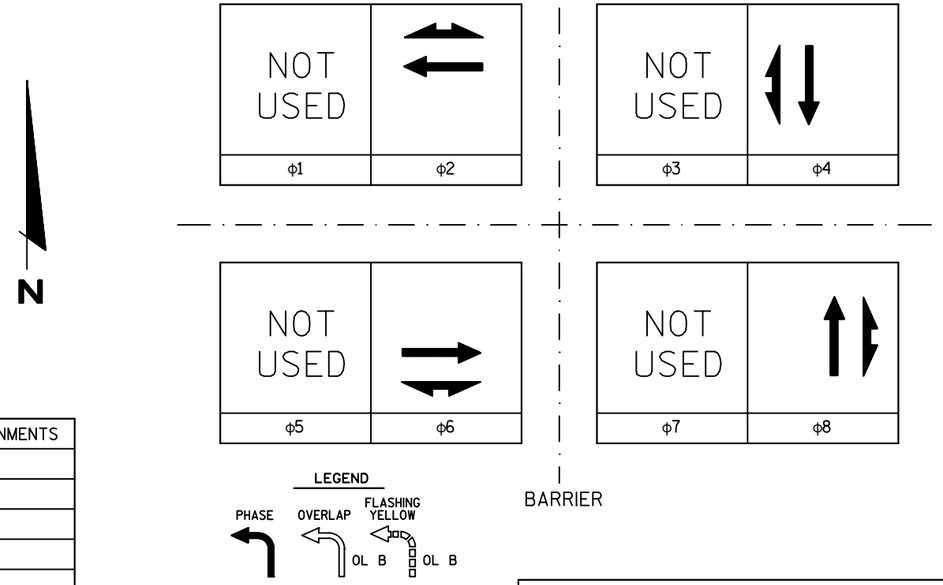
REVISION				
REV. NO.				
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
XX	DATE	BY	DATE	BY
	DATE	NAME	DATE	NAME

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	SIGNAL PLAN	SHEET 89 E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - sp - (2)
PLOT DATE : 6/8/2020 11:27 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

HEAD ASSIGNMENTS			
PHASE	HEAD NUMBERS	FLASH	
φ1			
φ2	4-6	R	
φ3			
φ4	10-12	R	
φ5			
φ6	1-3	R	
φ7			
φ8	7-9	R	
φ2 PED	91,92		
φ4 PED	93,94		
φ6 PED	95,96		
φ8 PED	97,98		O.L. ASSIGNMENTS
OL A			
OL B			
OL C			
OL D			
OL E			
OL F			
OL G			
OL H			



TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPERATE DOT LIGHTING CABINET	

CONTROLLER LOGIC				
PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/ φ	PHASE RECALL	PHASE ACTIVE
φ1				
φ2	X	6	MIN	X
φ3				
φ4	X	8		X
φ5				
φ6	X	2	MIN	X
φ7				
φ8	X	4		X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF PREEMPTION	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER OPTIC	
CELL MODEM	X
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	41	43	51	61	81	83
PHASE CALLED	1	2	4	4	5	6	8	8
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)									DETECTOR #(S)
PHASE CALLED									PHASE CALLED
PHASE EXTENDED									PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	12	22	42	44	52	62	82	84
PHASE CALLED	1	2	4	4	5	6	8	8
PHASE EXTENDED	1	2	4	4	5	6	8	8
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)									DETECTOR #(S)
PHASE CALLED									PHASE CALLED
PHASE EXTENDED									PHASE EXTENDED
DISCONNECT TIME									DISCONNECT TIME
CALLING DELAY									CALLING DELAY
EXTENSION STRETCH									EXTENSION STRETCH
LOOP FUNCTION									LOOP FUNCTION

2

USH 14 & CTH Y
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NUMBER	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CB-1 TO SB-1	12C	7	NB	R	R	ϕ8
				Y	O	
				G	G	
		12	SB	R	BLU	ϕ4
				Y	W/BLK	
				G	BLK	
		96	S LEG	W	G/BLK	ϕ6 PED
				DW	R/BLK	
				PB	O/BLK	
CB-1 TO SB-2	5C	11	SB	R	R	ϕ4
				Y	O	
				G	G	
CB-1 TO SB-3	5C	95	S LEG	W	G	ϕ6 PED
				DW	R	
				PB	O	
CB-1 TO SB-4	12C	1	EB	R	R	ϕ6
				Y	O	
				G	G	
		6	WB	R	BLK	ϕ2
				Y	W/BLK	
				G	BLU	
		94	W LEG	W	G/BLK	ϕ4 PED
				DW	R/BLK	
				PB	O/BLK	
CB-1 TO SB-5	5C	5	WB	R	R	ϕ2
				Y	O	
				G	G	
CB-1 TO SB-6	5C	93	W LEG	W	G	ϕ4 PED
				DW	R	
				PB	O	
CB-1 TO SB-7	12C	9	NB	R	R	ϕ8
				Y	O	
				G	G	

USH 14 & CTH Y
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NUMBER	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CB-1 TO SB-7		10	SB	R	BLK	ϕ4
				Y	W/BLK	
				G	BLU	
		92	N LEG	W	G/BLK	ϕ2 PED
				DW	R/BLK	
				PB	O/BLK	
CB-1 TO SB-8	5C	8	NB	R	R	ϕ8
				Y	O	
				G	G	
CB-1 TO SB-9	5C	91	N LEG	W	G	ϕ2 PED
				DW	R	
				PB	O	
CB-1 TO SB-10	12C	3	EB	R	R	ϕ6
				Y	O	
				G	G	
		4	WB	R	BLK	ϕ2
				Y	W/BLK	
				G	BLU	
		98	E LEG	W	G/BLK	ϕ8 PED
				DW	R/BLK	
				PB	O/BLK	
CB-1 TO SB-11	9C	2	EB	R	R	ϕ6
				Y	O	
				G	G	
		97	E LEG	W	BLU	ϕ8 PED
				DW	BLK	
				PB	W/BLK	

USH 14 & CTH Y
LIGHTING CABLING CHART
NO. 12 UF W/GROUND

CABLE	CABLE RUN	LUMINAIRE LOCATION
2C W/GROUND	CB-1 TO SB-2	SW QUADRANT
	SB-2 TO SB-5	NW QUADRANT
	CB-1 TO SB-11	SE QUADRANT
	SB-11 TO SB-8	NE QUADRANT

EQUIPMENT GROUNDING CONDUCTOR
NO. 12 UF W/GROUND

FROM	TO
CB-1	SB-1
CB-1	SB-2
SB-2	SB-3
SB-3	SB-4
SB-4	SB-5
SB-5	SB-6
SB-6	SB-7
SB-7	SB-8
SB-8	SB-9
SB-9	SB-10
SB-10	SB-11
SB-11	CB-1

PULL BOX BONDING JUMPER 10 AWG

FROM	TO
CB-1	PB-4
PB-4	SB-1
PB-5	SB-2
PB-5	SB-3
PB-6	SB-4
PB-9	SB-5
PB-9	SB-6
PB-10	SB-7
PB-13	SB-8
PB-13	SB-9
PB-14	SB-10
PB-17	SB-11
PB-17	CB-1

BLK = BLACK
BLU = BLUE
G = GREEN
O = ORANGE
R = RED

TRAFFIC CONTROL SIGNAL

USH 51 & FARWELL STREET

VILLAGE OF MCFARLAND — DANE COUNTY

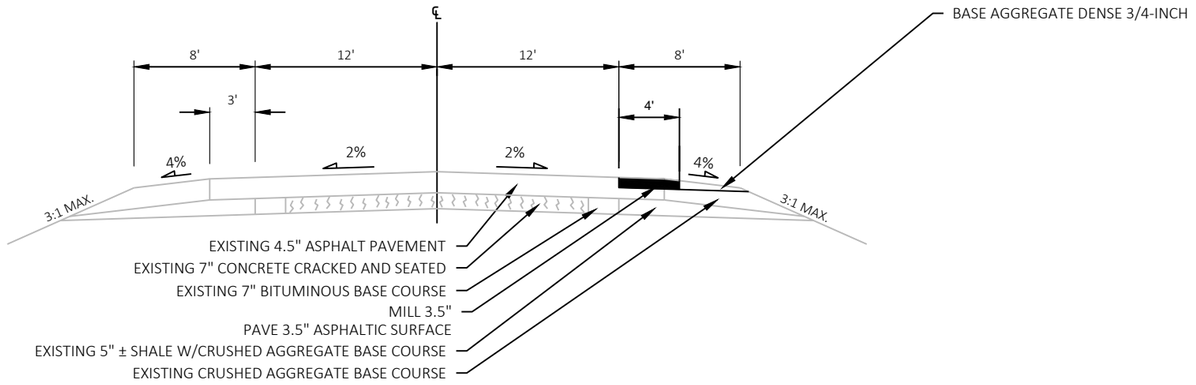
SIGNAL NO. S13-0247

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE OF

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC SIGNAL SEQUENCE OF OPERATIONS	SHEET 91 E

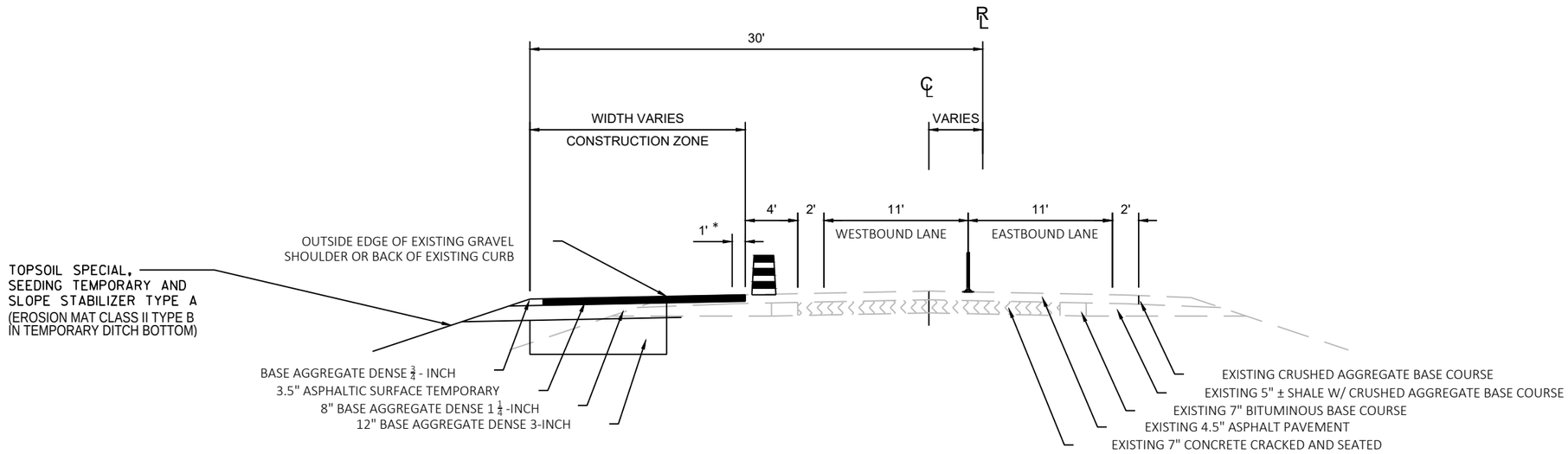
2



STAGE 1
PROPOSED TYPICAL SECTION
FOR TEMPORARY WIDENING

STA. 9+50 - STA. 20+50

2



* 1' INSIDE EXISTING PAVED SHOULDER OR TURN LANE
PROVIDE CLEAN EDGE TO PAVE AGAINST

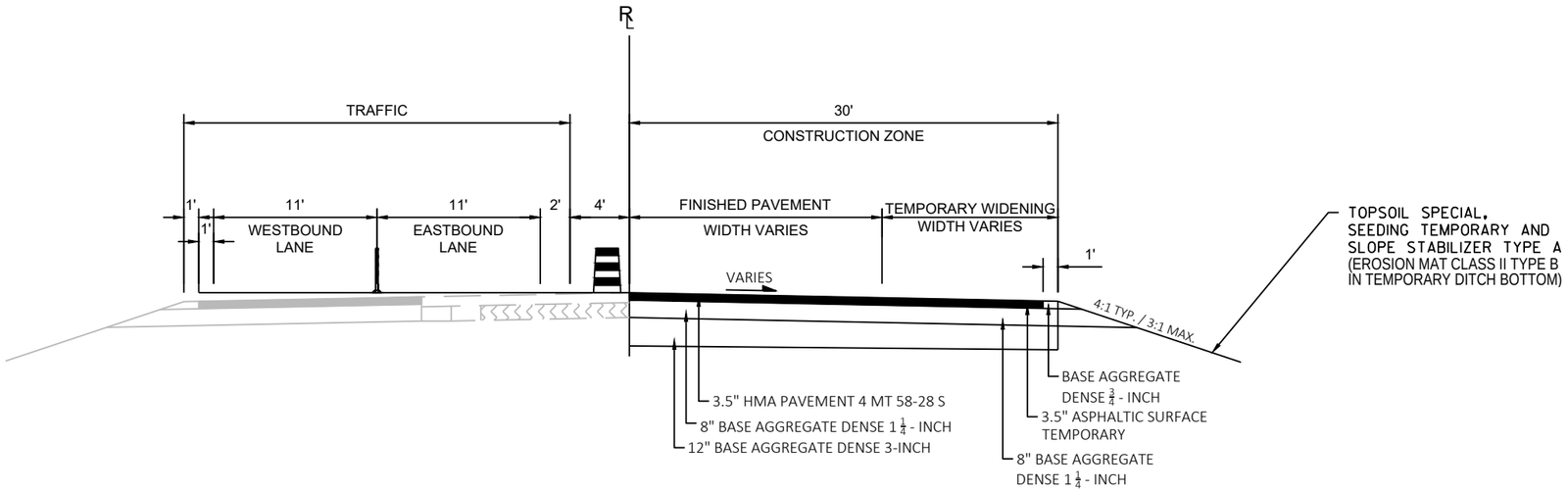
STAGE 2
PROPOSED TYPICAL SECTION
FOR TEMPORARY WIDENING

STA. 7+25 - STA. 21+50
STA. 34+25 - STA. 45+00

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STAGE 2 TYPICAL	SHEET 93	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 02
PLOT DATE : 7/20/2020 9:40 AM
PLOT BY : STEVENS, LOGAN E
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2

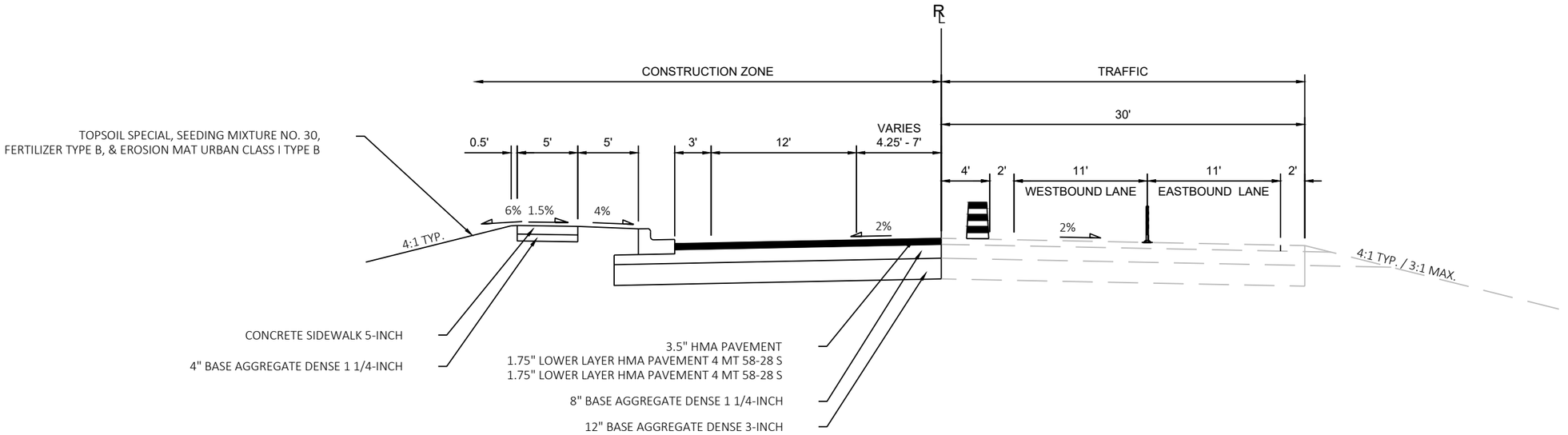


STAGE 3A & 3B
PROPOSED TYPICAL SECTION
FOR TEMPORARY WIDENING

STA. 6+85 - STA. 44+00

NOTE: ROAD CLOSED DURING STAGE 3B

2

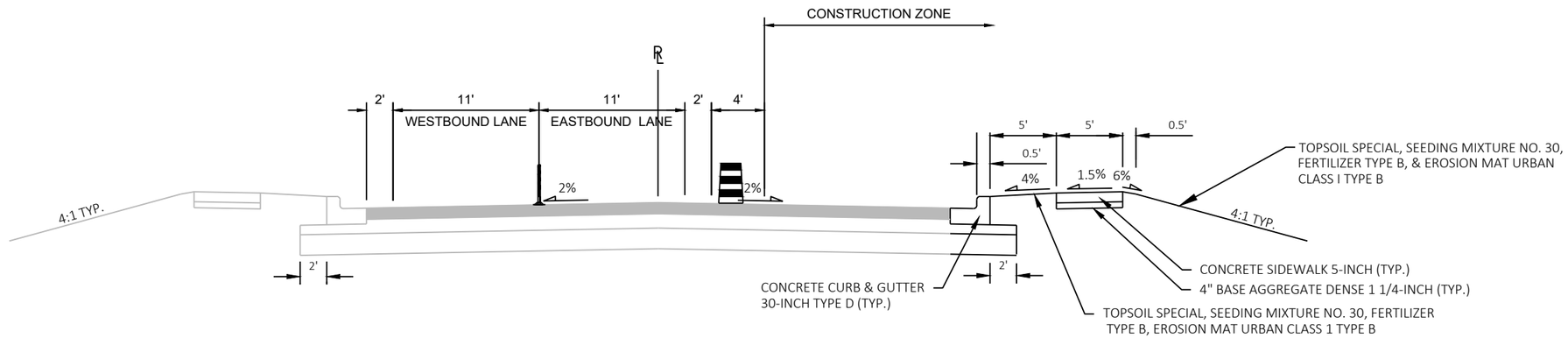


STAGE 4
TYPICAL SECTION

STA. 6+85 - STA. 44+00

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	STAGE 4 TYPICAL	SHEET 95	E

2

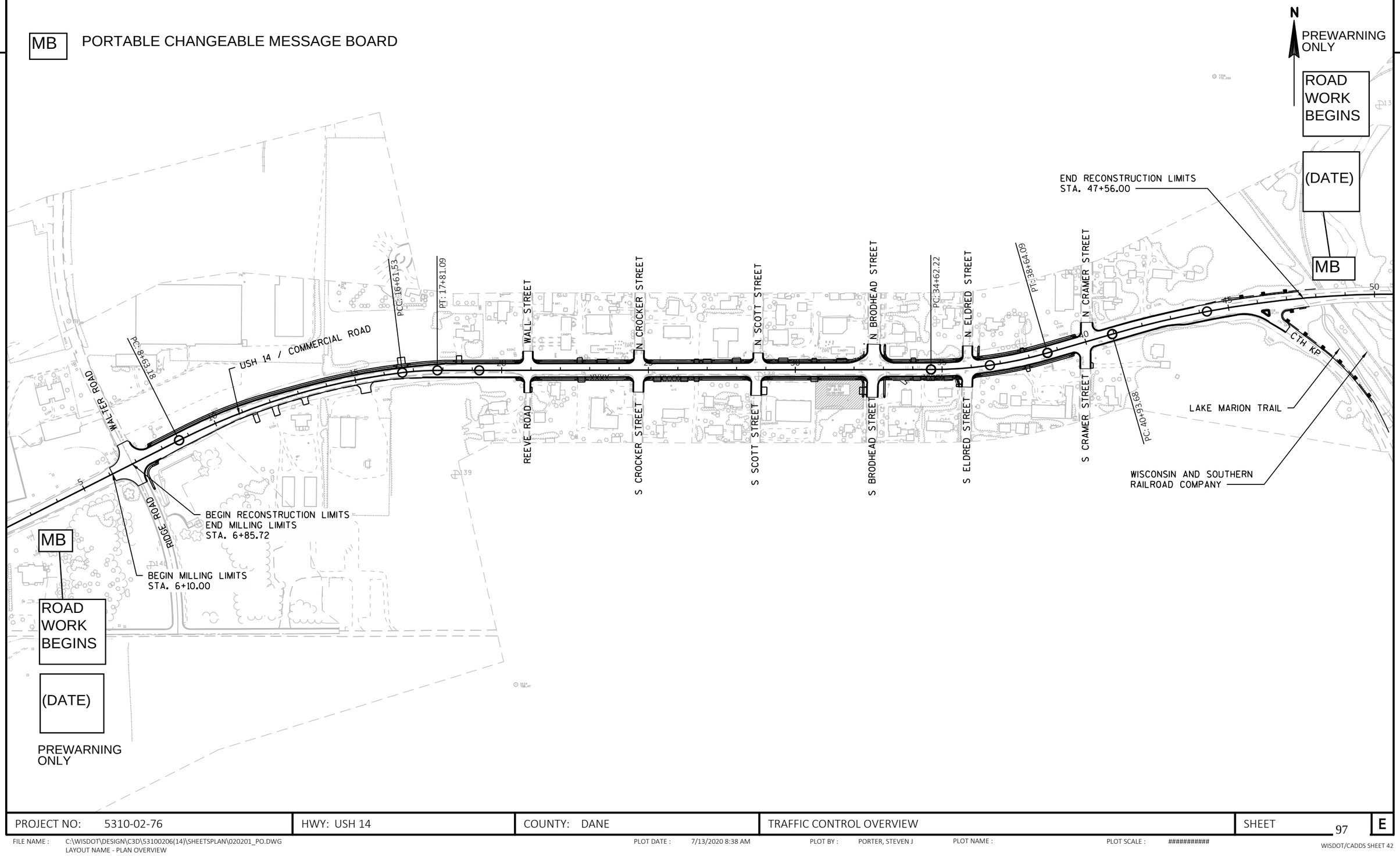


STAGE 5
PROPOSED TYPICAL SECTION
FOR TEMPORARY PAVEMENT REMOVAL

STA. 6+85 - STA. 44+00

NOTE: FLAGGING OF TRAFFIC MAY BE NECESSARY BETWEEN STA. 10+00 AND STA. 20+00
FOR CONSTRUCTION OPERATIONS THAT BECOME TOO CLOSE TO USH 14 TRAFFIC.

MB PORTABLE CHANGEABLE MESSAGE BOARD



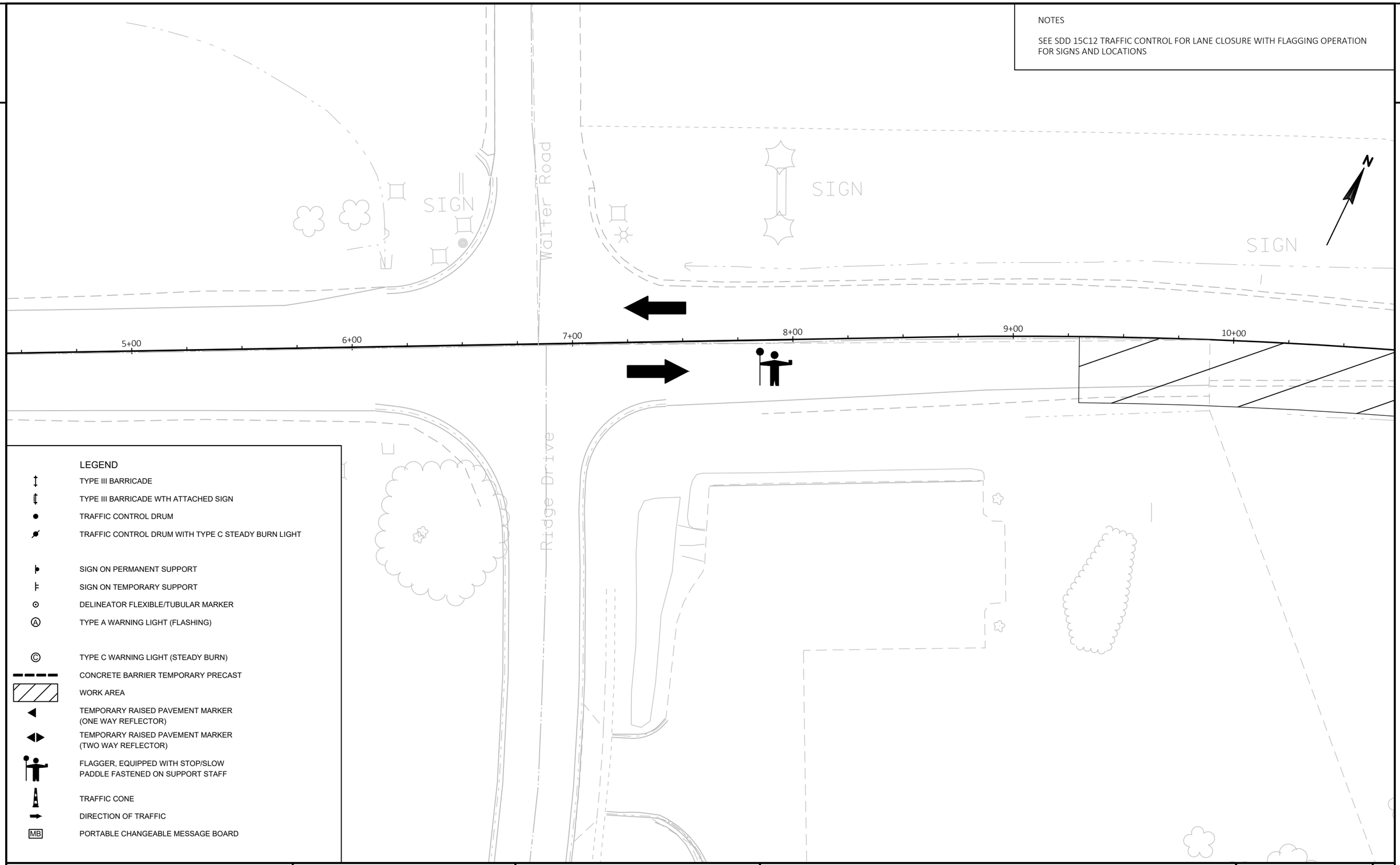
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL OVERVIEW	SHEET 97	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - PLAN OVERVIEW

PLOT DATE : 7/13/2020 8:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

NOTES

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION FOR SIGNS AND LOCATIONS



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 98 E

2

NOTES

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION FOR SIGNS AND LOCATIONS

N

11+00 12+00 13+00 14+00 15+00 16+00

U.S.H. 14

SIGN

SIGN

MH

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 99	E

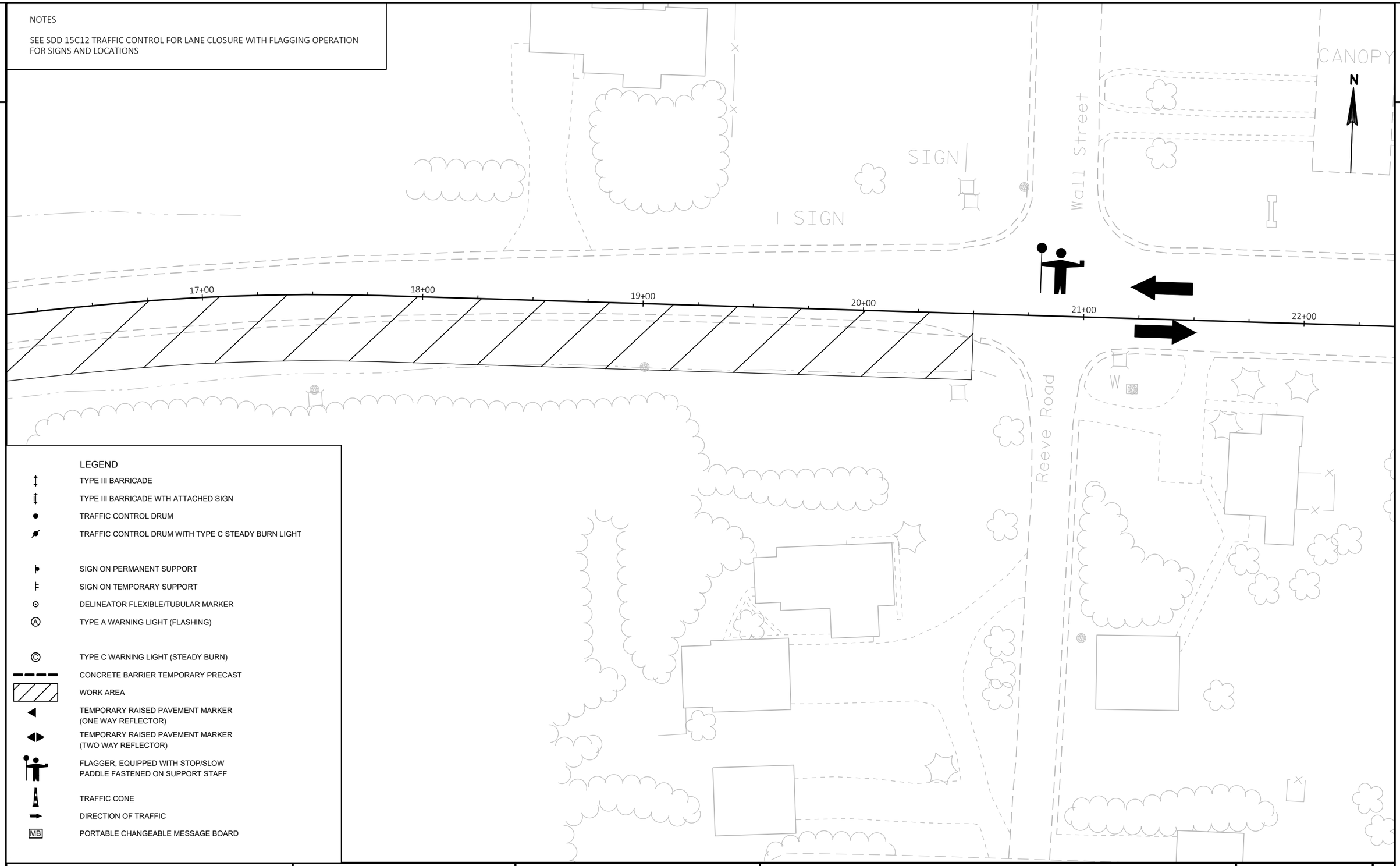
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\025002-TC-STAGE1.DWG
LAYOUT NAME - 2

PLOT DATE : 6/1/2020 3:14 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

NOTES

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION FOR SIGNS AND LOCATIONS



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 100	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
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

N

N Walter Road

S Walter Road

SIGN

SIGN

SIGN

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

R3-2
24"X24"

W01-4R

6+00

7+00

8+00

9+00

10+00

11+00

PAVEMENT MARKING TEMPORARY
4-INCH WHITE

REMOVE PAVEMENT MARKING
4-INCH WHITE

REMOVE PAVEMENT MARKING
4-INCH DOUBLE YELLOW

PAVEMENT MARKING TEMPORARY
4-INCH DOUBLE YELLOW

ROAD WORK AHEAD
W20-1A

ROAD WORK 1500 FT
W20-1B

ROAD WORK 500 FT
W20-1D

W01-4R

ROAD WORK AHEAD
W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 101	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025003-TC-STAGE2 ERIK UPDATE.DWG
LAYOUT NAME - 025003_tc11

PLOT DATE : 7/23/2020 8:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

SPEED LIMIT 45

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

N

12+00

13+00

14+00

15+00

16+00

17+00

PAVEMENT MARKING TEMPORARY
4-INCH WHITE

REMOVE PAVEMENT MARKING
4-INCH WHITE

REMOVE PAVEMENT MARKING
4-INCH DOUBLE YELLOW

PAVEMENT MARKING TEMPORARY
4-INCH DOUBLE YELLOW

SIGN

SIGN

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 102	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025003-TC-STAGE2 ERIK UPDATE.DWG
LAYOUT NAME - 025003_tc12

PLOT DATE : 7/23/2020 8:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD

ROAD CLOSED AHEAD
W20-3A

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

NO TURNS
R3-3
24"X24"

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

R3-2
24"X24"

REMOVE PAVEMENT MARKING 4-INCH WHITE

REMOVE PAVEMENT MARKING 4-INCH DOUBLE YELLOW

PAVEMENT MARKING TEMPORARY 4-INCH DOUBLE YELLOW

10 FT SPACING AT THE INTERSECTION

ONLY
R3-50R
30"X36"

REMOVE PAVEMENT MARKING 4-INCH WHITE

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

REMOVE PAVEMENT MARKING TEXT (ONLY)

R3-2
24"X24"

REMOVE PAVEMENT MARKING TYPE 2 ARROW (RIGHT)

ROAD WORK AHEAD
W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 103	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025003-TC-STAGE2 ERIK UPDATE.DWG
LAYOUT NAME - 025003_tc13

PLOT DATE : 7/23/2020 8:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

ROAD WORK AHEAD W20-1A

ONLY R3-50R 30"X36"

R3-2 24"X24"

10 FT SPACING AT THE INTERSECTION

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

REMOVE PAVEMENT MARKING 4-INCH WHITE

REMOVE PAVEMENT MARKING 4-INCH DOUBLE YELLOW

PAVEMENT MARKING TEMPORARY 4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING TEXT (ONLY)

REMOVE PAVEMENT MARKING TYPE 2 ARROW (RIGHT)

W03-1

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 104	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025003-TC-STAGE2 ERIK UPDATE.DWG
LAYOUT NAME - 025003_tc14
PLOT DATE : 7/23/2020 8:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PAVEMENT MARKING TEMPORARY 4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING 4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING 4-INCH WHITE

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

TEMPORARY MARKING STOP LINE PAINT 18-INCH

ROAD WORK AHEAD W20-1A

STOP ALL WAY R1-3P 18"X6"

REMOVE PAVEMENT MARKING TEXT (ONLY)

REMOVE PAVEMENT MARKING TYPE 2 ARROW (RIGHT)

TOPO OUT OF DATE 3/28/2017

STOP R1-1 36"X36" ALL WAY R1-3P 24"X9"

STOP ALL WAY R1-3P 18"X6"

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

COUNTY Y

STOP R1-1 36"X36" ALL WAY R1-3P 24"X9"

PAVEMENT MARKING TEMPORARY 4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING 4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING 4-INCH WHITE

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

TEMPORARY MARKING STOP LINE PAINT 18-INCH

REMOVE PAVEMENT MARKING TEXT (ONLY)

REMOVE PAVEMENT MARKING TYPE 2 ARROW (RIGHT)

W03-1

R3-2 24"X24"

ROAD CLOSED AHEAD W20-3A

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST

R11-2 48" X 30"

ROAD CLOSED

TYPE III BARRICADE

10 FT SPACING AT THE INTERSECTION

NO TURNS R3-3 24"X24"

ONLY R3-5OR 30"X36"

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

N

N Brodhead St

S Brodhead St

N Eldred St

S Eldred St

31+00 32+00 33+00 34+00 35+00 36+00

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 105	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025003-TC-STAGE2 ERIK UPDATE.DWG
LAYOUT NAME - 025003_tc1S
PLOT DATE : 7/23/2020 8:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

ROAD CLOSED AHEAD
W20-3A

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST ON CRAMER ST, AND JUST EAST OF THE INTERSECTION WITH DIVISION ST ON JUNCTION ST

N

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

JCT
COUNTY
Y

SPEED LIMIT
30

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

NO TURNS
R3-3
24"X24"

10 FT SPACING AT THE INTERSECTION

R3-1
24"X24"

37+00
38+00
39+00
40+00
41+00
42+00
43+00

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

REMOVE PAVEMENT MARKING 4-INCH WHITE

REMOVE PAVEMENT MARKING 4-INCH DOUBLE YELLOW

PAVEMENT MARKING TEMPORARY 4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING TEXT (ONLY)

R3-2
24"X24"

REMOVE PAVEMENT MARKING TYPE 2 ARROW (RIGHT)

ONLY
R3-50R
30"X36"

10 FT SPACING AT THE INTERSECTION

ROAD WORK AHEAD
W20-1A

PAVEMENT MARKING TEMPORARY 4-INCH WHITE

R3-2
24"X24"

REMOVE PAVEMENT MARKING 4-INCH WHITE

REMOVE PAVEMENT MARKING 4-INCH DOUBLE YELLOW

PAVEMENT MARKING TEMPORARY 4-INCH DOUBLE YELLOW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 106	E

2

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

2

N

WO1-6
48" X 24"

TYPE III BARRICADE

PAVEMENT MARKING TEMPORARY
4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING
4-INCH DOUBLE YELLOW

REMOVE PAVEMENT MARKING
8-INCH WHITE

PAVEMENT MARKING TEMPORARY
4-INCH WHITE

REMOVE PAVEMENT MARKING
TEXT (ONLY)

REMOVE PAVEMENT MARKING
TYPE 2 ARROW (RIGHT)

TEMPORARY MARKING LINE
PAINT 8-INCH (WHITE, 3FT
LINE, 9FT GAP)

TEMPORARY MARKING LINE
PAINT 8-INCH (WHITE)

44+00 45+00 46+00 47+00 48+00 49+00

WO1-4L

ROAD WORK 500 FT
W20-1D

ROAD WORK 1500 FT
W20-1B

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

C/TH KP

SIGN

LEGEND

TYPE III BARRICADE	CONCRETE BARRIER TEMPORARY PRECAST
TYPE III BARRICADE WTH ATTACHED SIGN	WORK AREA
TRAFFIC CONTROL DRUM	TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
SIGN ON PERMANENT SUPPORT	FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
SIGN ON TEMPORARY SUPPORT	
DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)	TRAFFIC CONE
TYPE A WARNING LIGHT (FLASHING)	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE BOARD
TYPE C WARNING LIGHT (STEADY BURN)	

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 107	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025003-TC-STAGE2 ERIK UPDATE.DWG
LAYOUT NAME - 025003_tc17

PLOT DATE : 7/23/2020 8:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

N Walter Road

S Walter Road

SIGN

SIGN

SIGN

ROAD WORK AHEAD
W20-1A

R3-2
24"X24"

W01-4L

11'

11'

BEGIN TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE, 3FT LINE, 9FT GAP)

END ROAD WORK
G20-2A
48"X24"

5+00

6+00

7+00

8+00

9+00

10+

ROAD WORK AHEAD
W20-1A

ROAD WORK 1500 FT
W20-1B

ROAD WORK 500 FT
W20-1D

W01-4L

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

WO1-6
48" X 24"

TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

MARKING REMOVAL LINE 4-INCH

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

ROAD WORK AHEAD
W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 108	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
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH

11+00 12+00 13+00 14+00 15+00 16+00

SIGN

SIGN

MH

SPEED LIMIT 30 MOVE EXISTING SIGN TO TEMPORARY SUPPORT

N

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

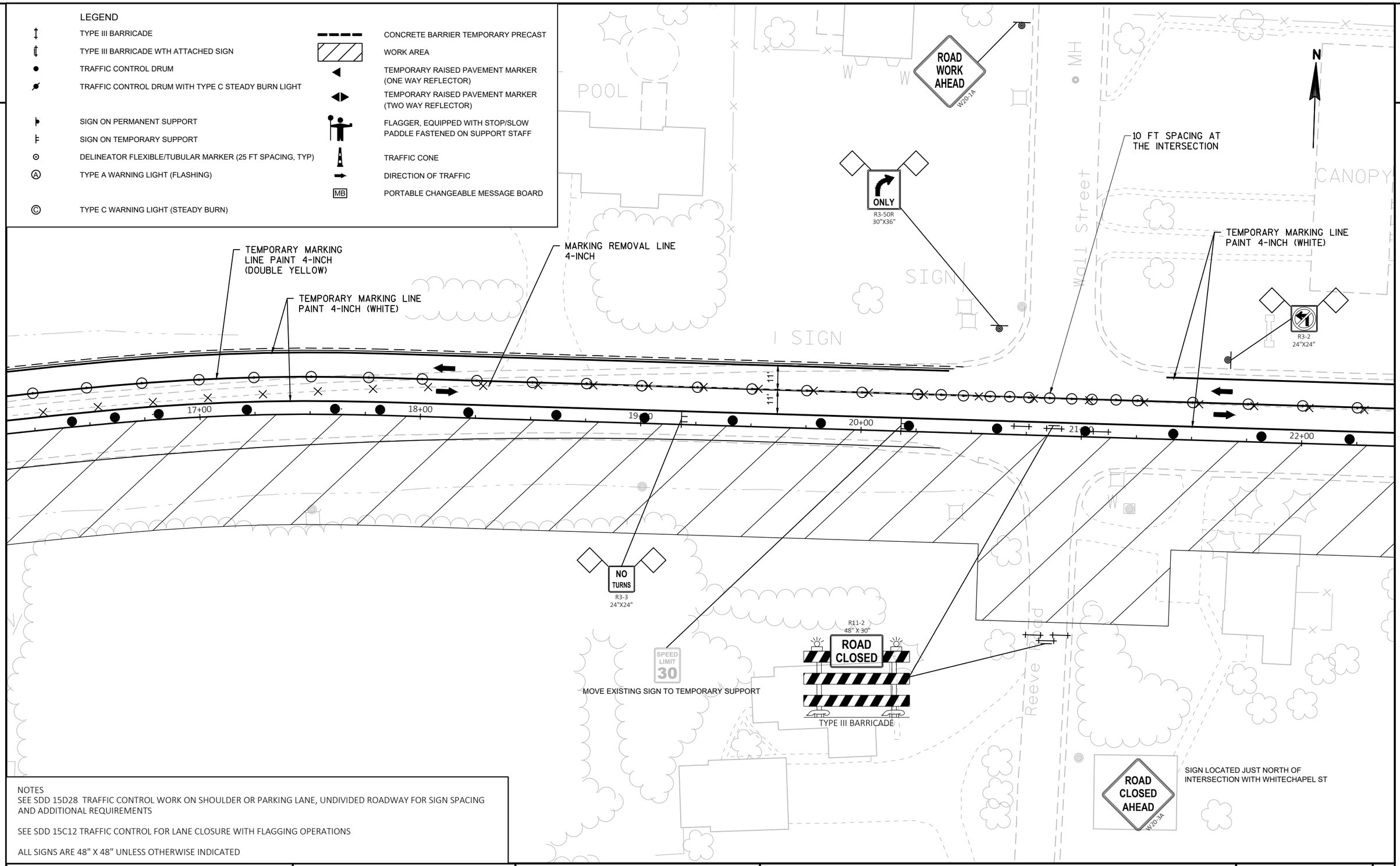
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 109	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 110	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025004-TC-STAGE3 ERIK UPDATE2.DWG
LAYOUT NAME - 3
PLOT DATE : 7/23/2020 8:45 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD W20-1A

ONLY R3-5OR 30"X36"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

MARKING REMOVAL LINE 4-INCH

10 FT SPACING AT THE INTERSECTION

R3-2 24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

11' 11'

22+00 23+00 24+00 25+00 26+00 27+00 28+00

NO TURNS R3-3 24"X24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

SPEED LIMIT 30 MOVE EXISTING SIGN TO TEMPORARY SUPPORT

JCT COUNTY Y MOVE EXISTING SIGN TO TEMPORARY SUPPORT

NO TURNS R3-3 24"X24"

SIGN LOCATED JUST NORTH OF INTERSECTION WITH WHITECHAPEL ST

ROAD CLOSED AHEAD W20-3A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 111	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- [MB] PORTABLE CHANGEABLE MESSAGE BOARD

MAINTAIN ONE TEMPORARY CROSSWALK FOR PEDESTRIAN ACCESS ACROSS USH 14 AT BRODHEAD STREET.

USE TEMPORARY CROSSWALKS ON NORTH BRODHEAD STREET AND SOUTH BRODHEAD STREET TO PROVIDE ACCESS TO TEMPORARY CROSSWALK ACROSS USH 14.

SEE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION

N

ROAD WORK AHEAD W20-1A

ONLY R3-5OR 30"X36"

10 FT SPACING AT THE INTERSECTION

R3-2 24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING STOP LINE PAINT 18-INCH

STOP ALL WAY R1-3P 18"X6"

STOP R1-1 36"X36" ALL WAY R1-3P 24"X9"

TEMPORARY MARKING STOP LINE PAINT 18-INCH

11' 11'

28+00 29+00 30+00 31+00 32+00 33+00 34+

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

W03-1

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

TOPO OUT OF DATE 3/28/2017

STOP R1-1 36"X36" ALL WAY R1-3P 24"X9"

COUNTY Y

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

STOP R1-3P 18"X6" ALL WAY

EAST 14

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

ROAD CLOSED AHEAD W20-3A

SIGN LOCATED JUST NORTH OF INTERSECTION WITH WHITECHAPEL ST

ROAD WORK AHEAD W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 112	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025004-TC-STAGE3 ERIK UPDATE2.DWG
LAYOUT NAME - 5
PLOT DATE : 7/23/2020 8:45 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD
W20-1A

W03-1

ONLY
R3-50R
30"X36"

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

10 FT SPACING AT THE INTERSECTION

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

11'

11'

34+00

35+00

36+00

37+00

38+00

39+00

NO TURNS
R3-3
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

SIGN LOCATED JUST NORTH OF INTERSECTION WITH WHITECHAPEL ST

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 113	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
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ROAD WORK AHEAD W20-1A

N

N Cramer St

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

ONLY R3-50R 30"X36"

10 FT SPACING AT THE INTERSECTION

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

11'

11'

41+00 41+00 41+00 42+00 43+00 44+00 45+00

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

R3-2 24"X24"

JCT COUNTY KP

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

W01-4R

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

TEMPORARY MARKING LINE PAINT 8-INCH (WHITE, 3FT LINE, 9 FT GAP)

ROAD WORK AHEAD W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

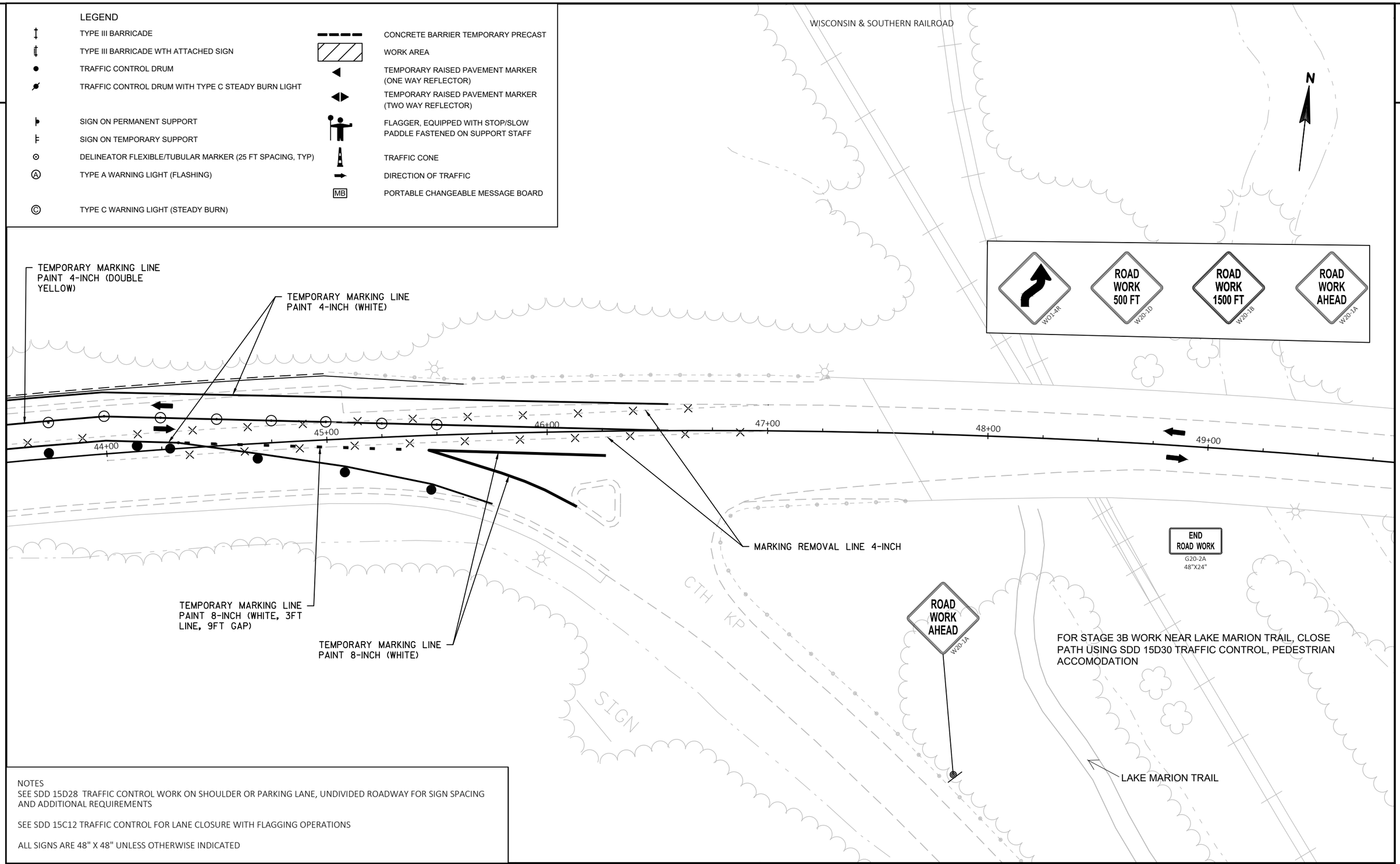
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 114	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3A	SHEET 115	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
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ROAD WORK AHEAD W20-1A

BEGIN TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH

END ROAD WORK G20-2A 48"X24"

N

N Walter Road

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

R3-2 24"X24"

W01-4R

5+00 6+00 7+00 8+00 9+00 10+00

11'

11'

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE, 3FT LINE, 9FT GAP)

ROAD WORK AHEAD W20-1A

ROAD WORK 1500 FT W20-1B

ROAD WORK 500 FT W20-1D

W01-4R

S Walter Road

SPEED LIMIT 30

MOVE EXISTING SIGN

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 116	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
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

SPEED LIMIT 45

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

11+00

12+00

13+00

14+00

15+00

16+00

11'

11'

SPEED LIMIT 30

MOVE EXISTING SIGN

SIGN

SIGN

MH

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 117	E

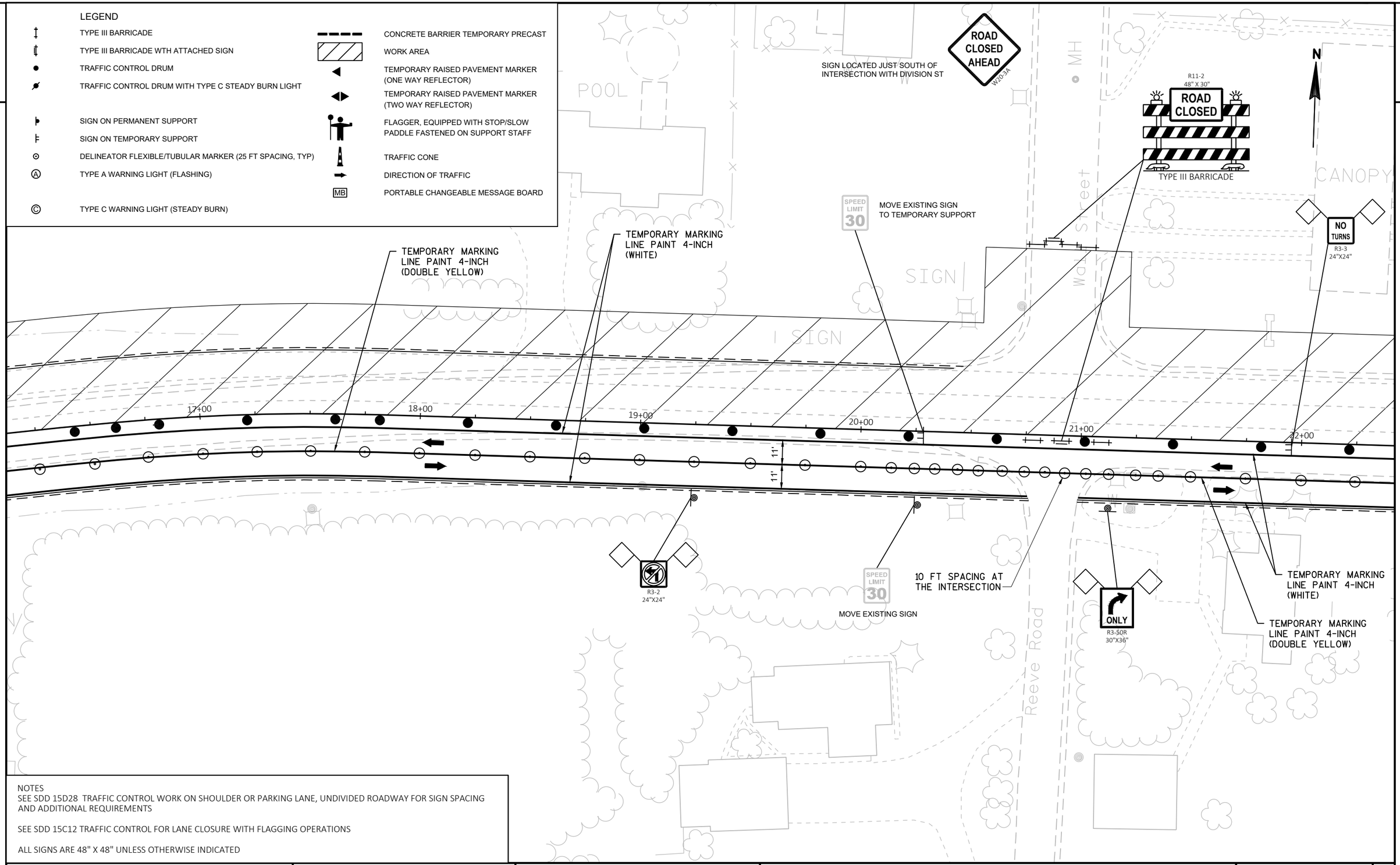
FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025005-TC-STAGE4 ERIK UPDATE.DWG
LAYOUT NAME - 2

PLOT DATE : 7/23/2020 8:47 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 118	E

2

2

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST

ROAD CLOSED AHEAD
W20-3A

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

NO TURNS
R3-3
24"X24"

SPEED LIMIT 30
MOVE EXISTING SIGN TO TEMPORARY SUPPORT

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

22+00 23+00 24+00 25+00 26+00 27+00 28+00

11'
11'

R3-2
24"X24"

10 FT SPACING AT THE INTERSECTION

ONLY
R3-50R
30"X36"

SPEED LIMIT 30
MOVE EXISTING SIGN

JCT COUNTY Y
MOVE EXISTING SIGN

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

ROAD WORK AHEAD
W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 119	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025005-TC-STAGE4 ERIK UPDATE.DWG
LAYOUT NAME - 4

PLOT DATE : 7/23/2020 8:47 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

ROAD CLOSED AHEAD W20-3A

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD

ROAD WORK AHEAD W20-1A

MAINTAIN ONE TEMPORARY CROSSWALK FOR PEDESTRIAN ACCESS ACROSS USH 14 AT BRODHEAD STREET.

USE TEMPORARY CROSSWALKS ON NORTH BRODHEAD STREET AND SOUTH BRODHEAD STREET TO PROVIDE ACCESS TO TEMPORARY CROSSWALK ACROSS USH 14.

SEE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION

2

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

NO TURNS R3-3 24"X24"

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

STOP ALL WAY R1-3P 18"X6"

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

R1-1 36"X36" STOP

ALL WAY R1-3P 24"X9"

28+00 29+00 30+00 31+00 32+00 33+00 34+

11'
11'

10 FT SPACING AT THE INTERSECTION

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

SPEED LIMIT 30

MOVE EXISTING SIGN

W03-1

ONLY R3-5OR 30"X36"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TOPO OUT OF DATE 3/28/2017

R1-1 36"X36" STOP

ALL WAY R1-3P 24"X9"

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

EAST 14

MOVE EXISTING SIGN

STOP ALL WAY R1-3P 18"X6"

ROAD WORK AHEAD W20-1A

ROAD WORK AHEAD W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 120	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025005-TC-STAGE4 ERIK UPDATE.DWG
LAYOUT NAME - 5
PLOT DATE : 7/23/2020 8:48 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD CLOSED AHEAD W20-3A

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

NO TURNS R3-3 24"X24"

SPEED LIMIT 30 MOVE EXISTING SIGN TO TEMPORARY SUPPORT

USH 14

34+00 35+00 36+00 37+00 38+00 39+00

11' 11'

R3-2 24"X24"

SPEED LIMIT 30 MOVE EXISTING SIGN TO TEMPORARY SUPPORT

10 FT SPACING AT THE INTERSECTION

ONLY R3-50R 30"X36"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

SPEED LIMIT 30 MOVE EXISTING SIGN

ROAD WORK AHEAD W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 121	E

2

SIGN LOCATED JUST SOUTH OF INTERSECTION WITH DIVISION ST ON CRAMER ST, AND JUST EAST OF THE INTERSECTION WITH DIVISION ST ON JUNCTION ST

ROAD CLOSED AHEAD
W20-3A

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-1
24"X24"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-1
24"X24"

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

S Cramer St

40+00 41+00 42+00 43+00 44+00 45+00

11' 11'

ONLY
R3-5OR
30"X36"

R3-2
24"X24"

10 FT SPACING AT THE INTERSECTION

SPEED LIMIT 30
MOVE EXISTING SIGN

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 8-INCH (WHITE, 3FT LINE, 9FT GAP)

ROAD WORK AHEAD
W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 122	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025005-TC-STAGE4 ERIK UPDATE.DWG
LAYOUT NAME - 7
PLOT DATE : 7/23/2020 8:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

WO1-6
48" X 24"
TYPE III BARRICADE

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE
YELLOW)

44+00
45+00
46+00
47+00
48+00
49+00

11'
11'

TEMPORARY MARKING LINE
PAINT 8-INCH (WHITE, 3FT
LINE, 9FT GAP)

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 8-INCH (WHITE)

C/TH KP

SIGN

WO1-4L

ROAD WORK 500 FT
W20-1D

ROAD WORK 1500 FT
W20-1B

ROAD WORK AHEAD
W20-1A

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 123	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD
W20-1A

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE, 3FT LINE, 9FT GAP)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

BEGIN TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW AND WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE, 3FT LINE, 9FT GAP)

XXXX

SIGN

R3-2
24"X24"

W01-4L

SIGN

END ROAD WORK
G20-2A
48"X24"

5+00

6+00

7+00

8+00

9+00

10+00

11'

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

ROAD WORK AHEAD
W20-1A

ROAD WORK 1500 FT
W20-1B

ROAD WORK 500 FT
W20-1D

W01-4L

W01-6
48" X 24"

TYPE III BARRICADE

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

S Walter Road

ROAD WORK AHEAD
W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 124	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025005-TC-STAGE5 ERIK UPDATE.DWG
LAYOUT NAME - 1
PLOT DATE : 7/23/2020 8:50 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

11+00 12+00 13+00 14+00 15+00 16+00

11'
11'

SIGN

SIGN

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

MH

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

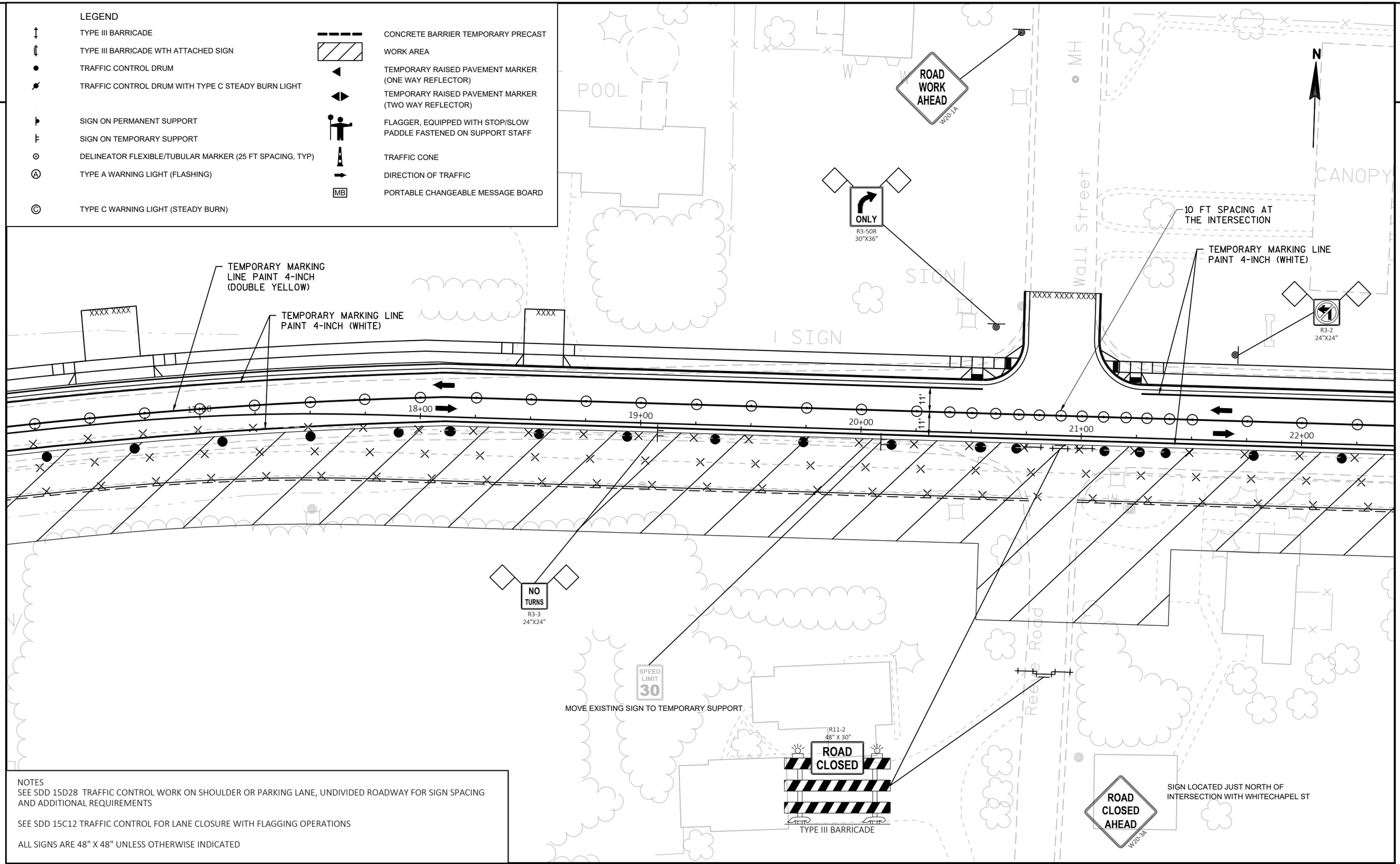
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 125	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 126	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ROAD WORK AHEAD
W20-1A

N

ONLY
R3-5OR
30"X36"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

XXXX XXXX XXXX 10 FT SPACING AT THE INTERSECTION

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

11'
11'

22+00 23+00 24+00 25+00 26+00 27+00 28+00

Crocker St

CANOPY
CANOPY
FILLER CAPS
SIGN
SIGN
SIGN
INL
INL
INL
INL
INL
INL
U/C
A/C
W

NO TURNS
R3-3
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SPEED LIMIT 30
MOVE EXISTING SIGN TO TEMPORARY SUPPORT

JCT COUNTY Y
MOVE EXISTING SIGN TO TEMPORARY SUPPORT

NO TURNS
R3-3
24"X24"

SIGN LOCATED JUST NORTH OF INTERSECTION WITH WHITECHAPEL ST

ROAD CLOSED AHEAD
W20-3A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 127	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

MAINTAIN ONE TEMPORARY CROSSWALK FOR PEDESTRIAN ACCESS ACROSS USH 14 AT BRODHEAD STREET.

USE TEMPORARY CROSSWALKS ON NORTH BRODHEAD STREET AND SOUTH BRODHEAD STREET TO PROVIDE ACCESS TO TEMPORARY CROSSWALK ACROSS USH 14.

SEE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION

ROAD WORK AHEAD W20-1A

ONLY R3-5OR 30"X36"

10 FT SPACING AT THE INTERSECTION

R3-2 24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING STOP LINE PAINT 18-INCH

STOP R1-3P 18"X6" ALL WAY

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

STOP R1-1 36"X36" R1-3P 24"X9" ALL WAY

TEMPORARY MARKING STOP LINE PAINT 18-INCH

28+00 29+00 30+00 31+00 32+00 33+00 34+

11' 11'

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

W03-1

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

TOPO OUT OF DATE 3/28/2017

STOP R1-1 36"X36" R1-3P 24"X9" ALL WAY

COUNTY Y

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

STOP R1-3P 18"X6" ALL WAY

EAST 14

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

ROAD CLOSED AHEAD W20-3A

SIGN LOCATED JUST NORTH OF INTERSECTION WITH WHITECHAPEL ST

ROAD WORK AHEAD W20-1A

NOTES

SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 128	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
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD WORK AHEAD
W20-1A

W03-1

ONLY
R3-50R
30"X36"

R3-2
24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

10 FT SPACING AT THE INTERSECTION

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

34+00 35+00 36+00 37+00 38+00 39+00

11' 11'

N Eldred St

S Eldred St

S Cramer St

NO TURNS
R3-3
24"X24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD CLOSED AHEAD
W20-3A

SIGN LOCATED JUST NORTH OF INTERSECTION WITH WHITECHAPEL ST

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 129	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ROAD WORK AHEAD W20-1A

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

ONLY R3-50R 30"X36"

10 FT SPACING AT THE INTERSECTION

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

11' 11'

40+00 41+00 42+00 43+00 44+00 45+00

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R3-2 24"X24"

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

W01-4R

SPEED LIMIT 30

MOVE EXISTING SIGN TO TEMPORARY SUPPORT

TEMPORARY MARKING LINE PAINT 8-INCH (WHITE, 3FT LINE, 9FT GAP)

ROAD WORK AHEAD W20-1A

NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

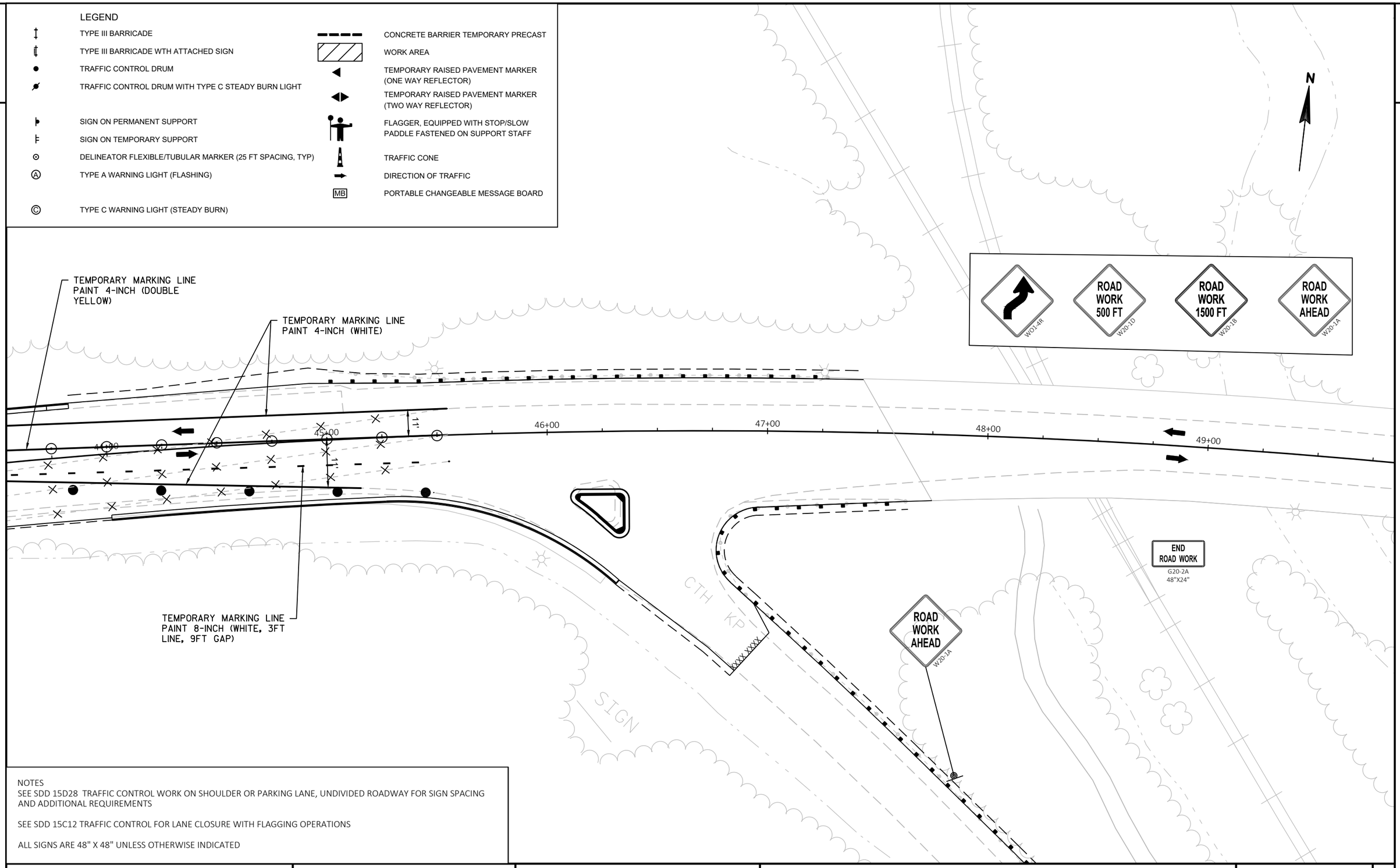
SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 130	E

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER (25 FT SPACING, TYP)
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
- TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- TRAFFIC CONE
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD



NOTES
SEE SDD 15D28 TRAFFIC CONTROL WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY FOR SIGN SPACING AND ADDITIONAL REQUIREMENTS

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE INDICATED

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 131	E

2

N

Loreto

Denzer

Leland

Plain

Witwen

Black Hawk

Prairie du Sac

Sauk City

Roxbury

Spring Green

Helena

Arena

Mazomanie

Marxsville

Martinsville

Black Earth

Cross Plains

WSOR

EAST 14 — M3-2 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 14 3/4 MILES AHEAD — WO57-52 48"X36"

EAST 14 — M3-2 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 14 MILES AHEAD — WO57-52 48"X36"

EAST 14 — M3-2 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 4 1/2 MILES AHEAD — WO57-52 48"X36"

WEST 14 — M3-4 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 1 1/4 MILES AHEAD — WO57-52 48"X36"

WEST 14 — M3-4 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 1 1/4 MILES AHEAD — WO57-52 48"X36"

MAX. 12' WIDTH — W12-52 48"X48"

WEST 14 — M3-4 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 3 1/2 MILES AHEAD — WO57-52 48"X36"

WEST 14 — M3-4 24"X12" — M1-4 24"X24" — MAX. 12' WIDTH — W12-52 48"X48" — 3 1/2 MILES AHEAD — WO57-52 48"X36"

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	TRAFFIC CONTROL - MAX WIDTH SIGNING	SHEET 132	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\025006-TC-MAX WIDTH ERIK UPDATE.DWG
LAYOUT NAME - OVERVIEW

PLOT DATE : 7/30/2020 9:35 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:2 MI

LEGEND

- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- 14 — DETOUR SIGN
- 14 — EXISTING SIGN
- COVERED EXISTING SIGN

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR MORE INFORMATION.

N

Plain
Leland
Denzer
Witwen
Black Hawk
Prairie du Sac
Sauk City
Roxbury
Spring Green
Helena
Arena
Mazomanie
Marxsville
Martinsville
Black Earth
Cross Plains

SHEET A
SHEET B
SHEET C
SHEET D
SHEET E
SHEET F
SHEET G
SHEET H
SHEET I
SHEET J

DETOUR ROUTE

DETOUR ROUTE

PROJECT END

PROJECT START

ROAD CLOSED BEGINS

(DATE)

PREWARNING ONLY

WSOR

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR OVERVIEW	SHEET 133 E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - OVERVIEW

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:2 MI

WISDOT/CADDS SHEET 42

2

2

N

Spring Green

14

WSOR

23

14 60

60

M3-2
24"X12"
M1-4
24"X24"
EAST
14
DETOUR AHEAD
W20-2A

M3-4
24"X12"
WEST
14 23 60
MO6-1
21"X21"

EAST WEST WEST
14 14 60

M4-8A
24"X18"
M3-4
24"X12"
END DETOUR
WEST JCT
14 23

DETOUR
NEXT 29 MILES
G20-51
60"X24"

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"
DETOUR
EAST
14

M5-1R
21"X21"

R10-61
60"X30"
ROAD OPEN TO
MAZOMANIE

R11-3
60" X 30"
ROAD CLOSED
14 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"
DETOUR
EAST
14

MO6-1
21"X21"

EAST SOUTH
14 23

M3-2
24"X12"
M1-4
24"X24"
EAST
14
ROAD CLOSED
AHEAD
W20-3A

M3-2
24"X12"
M1-4
24"X24"
EAST
14
DETOUR AHEAD
W20-2A

M4-8
24"X12"
DETOUR
EAST EAST SOUTH
60 14 23

MO5-1L
21"X21"

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"
DETOUR
EAST
14

MO6-1
21"X21"

R11-3
60" X 30"
ROAD CLOSED
14 1/4 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R10-61
60"X30"
ROAD OPEN TO
MAZOMANIE

M4-8
24"X12"
DETOUR
WEST NORTH EAST
14 23 14

MO6-1
21"X21"

M4-8
24"X12"
DETOUR
WEST NORTH EAST
14 23 14

MO5-1L
21"X21"

M3-2
24"X12"
M1-4
24"X24"
EAST
14
DETOUR AHEAD
W20-2A

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"
DETOUR
EAST
14

MO6-1
21"X21"

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET A)	SHEET 134	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (1)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

2

N

WC

60

M4-8
24"X12"
M3-4
24"X12"

DETOUR
WEST
14

M1-4
24"X24"

DETOUR
EAST
14

M4-8
24"X12"
M3-2
24"X12"

M1-4
24"X24"

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET B)	SHEET 135	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (2)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

14

Helena

2

2

N

DETOUR
EAST
14

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"

DETOUR
EAST
14

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"

14

14

COUNTY
C

COUNTY
CC

14

MO6-1
21"X21"

14

MO6-1
21"X21"

R11-3
60" X 30"

ROAD CLOSED
10 3/4 MILES AHEAD
LOCAL TRAFFIC ONLY

TYPE III BARRICADE

R10-61
60"X30"

ROAD OPEN TO
MAZOMANIE

W A S R W C C

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET C)	SHEET 136	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (3)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2

2

N

WSOR

DETOUR
EAST
14

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"

14

14

MO6-1
21"X21"

R11-3
60" X 30"

ROAD CLOSED
7 1/4 MILES AHEAD
LOCAL TRAFFIC ONLY

TYPE III BARRICADE

R10-61
60"X30"

ROAD OPEN TO
MAZOMANIE

Aren

H

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET D)	SHEET 137	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (4)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

2

N

DETOUR
EAST
14

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"

14

R11-3
60" X 30"
ROAD CLOSED
2 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY

TYPE III BARRICADE

14

MO6-1
21"X21"

R10-61
60"X30"
ROAD OPEN TO
MAZOMANIE

K

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET E)	SHEET 138	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (5)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2

2

N

WSOR

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
MO6-1 21"X21"
DETOUR EAST 14

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
DETOUR EAST 14

EAST 14 | SOUTH 78 | WEST 14

M4-8A 24"X18"
END DETOUR EAST
END 19 14
M3-2 24"X12"

MT HOREB
BLACK EARTH
MAZOMANIE

DETOUR NEXT 29 MILES
G20-51 60"X24"

78

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
DETOUR WEST 14

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
MO6-1 21"X21"
DETOUR WEST 14

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
MO5-1R 21"X21"
DETOUR WEST 14

19

WEST 14
M3-4 24"X12"
M1-4 24"X24"
DETOUR AHEAD W20-2A

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
MO6-1 21"X21"
DETOUR WEST 14

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
DETOUR WEST 14

PAID FOR AS COVERING SIGN. SEE SIGN PLATE A4-12.

SPRING GREEN
SAUK CITY
WAUNAKEE

M4-8 24"X12"
DETOUR
WEST 14 | EAST 19 | NORTH 78
MO5-1R 21"X21"

R11-4 60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

R11-4 60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

EAST 14 | SOUTH 78 | WEST 14

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
MO6-1 21"X21"
DETOUR WEST 14

WEST 14
M3-4 24"X12"
M1-4 24"X24"
ROAD CLOSED AHEAD W20-3A

WEST 14
M3-4 24"X12"
M1-4 24"X24"
DETOUR AHEAD W20-2A

F

14 78

KP

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET F)	SHEET 139	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (6)
PLOT DATE : 9/25/2020 7:48 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:2000 FT

2

2

N

COUNTY B

60

M4-8
24"X12"
M3-4
24"X12"

DETOUR
WEST
14

M1-4
24"X24"

DETOUR
EAST
14

M4-8
24"X12"
M3-2
24"X12"
M1-4
24"X24"

60

60

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET G)	SHEET 140	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (7)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

2

N

COUNTY O

12

60

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
MO5-1L 21"X21"

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"
MO6-1 21"X21"

M4-8 24"X12"
M3-4 24"X12"
M1-4 24"X24"

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
MO5-1R 21"X21"

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"
MO6-1 21"X21"

M4-8 24"X12"
M3-2 24"X12"
M1-4 24"X24"

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET H)	SHEET 141	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (8)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

N

auk

ity

78

12

188

WEST 14 M3-4 24"X12" M1-4 24"X24"
DETOUR AHEAD W20-2A

DETOUR WEST 14 M4-8 24"X12" M3-4 24"X12" M1-4 24"X24"
WEST 12 WEST 60

DETOUR WEST 14 M4-8 24"X12" M3-4 24"X12" M1-4 24"X24" MO5-1R 21"X21"
60 78

DETOUR WEST 14 M4-8 24"X12" M3-4 24"X12" M1-4 24"X24" MO6-1 21"X21"

DETOUR WEST 14 M4-8 24"X12" M3-4 24"X12" M1-4 24"X24" MO6-1 21"X21"

DETOUR WEST 14 M4-8 36"X18" M3-4 36"X18" M1-4 36"X36"

DETOUR EAST 14 M4-8 24"X12" M3-2 24"X12" M1-4 24"X24" MO6-1 21"X21"

DETOUR EAST 14 M4-8 24"X12" M3-2 24"X12" M1-4 24"X24" MO5-1R 21"X21"

EAST 12 EAST 60

DETOUR EAST 14 M4-8 24"X12" M3-2 24"X12" M1-4 24"X24"

DETOUR EAST 14 M4-8 24"X12" M3-2 24"X12" M1-4 24"X24" MO6-1 21"X21"

DETOUR EAST 14 M4-8 24"X12" M3-2 24"X12" M1-4 24"X24"

DETOUR WEST 14 M4-8 24"X12" M3-4 24"X12" M1-4 24"X24" MO5-1L 21"X21"

DETOUR WEST 14 M4-8 24"X12" M3-4 24"X12" M1-4 24"X24" MO6-1 21"X21"

DETOUR WEST 14 M4-8 36"X18" M3-4 36"X18" M1-4 36"X36" MO6-1 30"X30"

WEST 14 M3-4 24"X12" M1-4 24"X24"
DETOUR AHEAD W20-2A

WEST 14 M3-4 36"X18" M1-4 36"X36"
DETOUR AHEAD W20-2A

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET I)	SHEET 142	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (9)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2

2

N

78

12

M4-8
24"X12"
M3-2
24"X12"

DETOUR
EAST
14

M1-4
24"X24"

M4-8
24"X12"
M3-4
24"X12"

DETOUR
WEST
14

M1-4
24"X24"

78

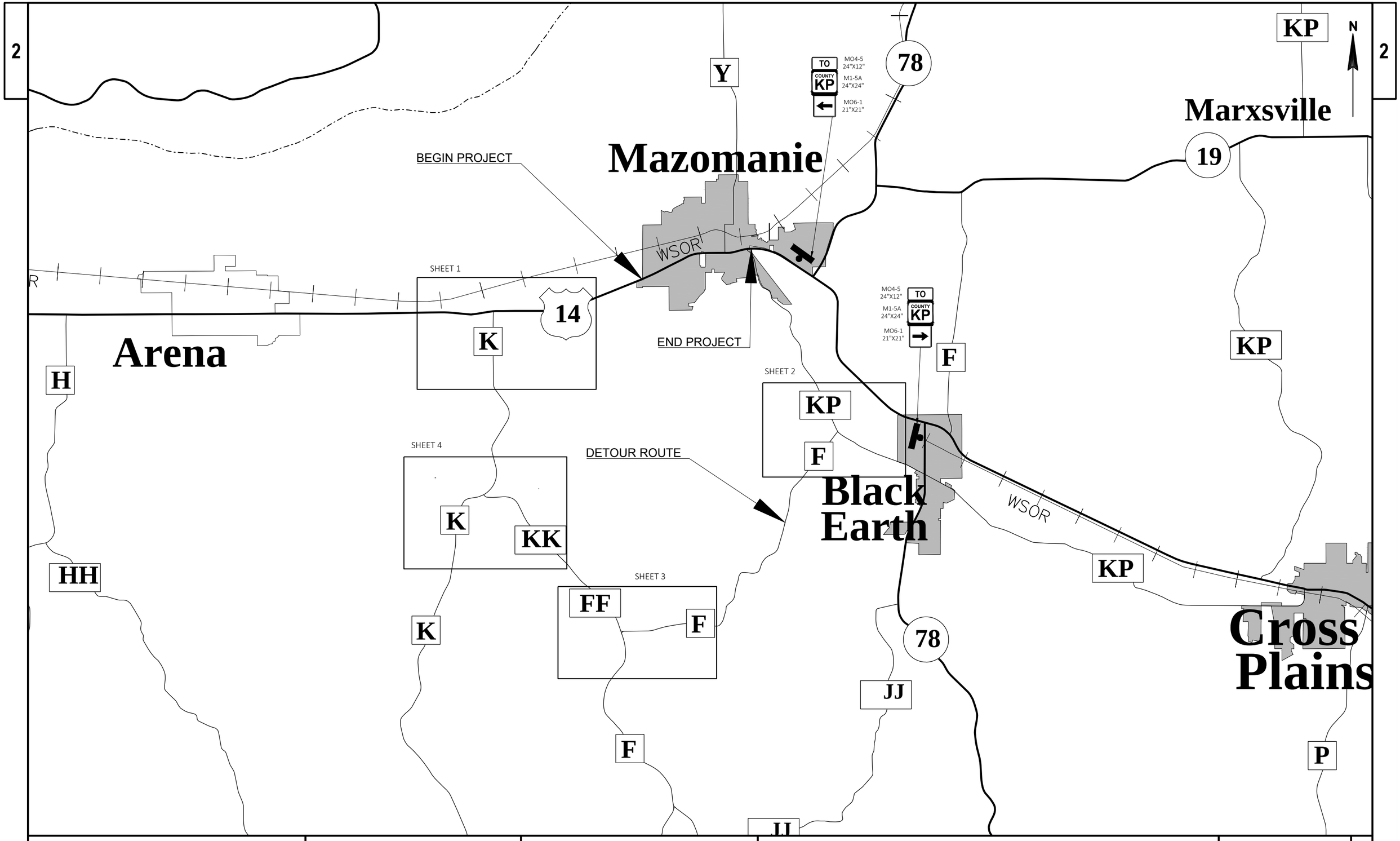
Y

78

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	DETOUR (SHEET J)	SHEET 143	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSOTHER\027001-DT ERIK UPDATE.DWG
LAYOUT NAME - Sheet (10)

PLOT DATE : 9/25/2020 7:48 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:1000 FT



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	HWY KP DETOUR (OVERVIEW)	SHEET 144	E

FILE NAME : \\MAD31ZP1\N3PUBLIC\PDS\C3D\53100206(14)\SHEETSPLAN\027001-DT_KP ERIK UPDATE.DWG
LAYOUT NAME - OVERVIEW

PLOT DATE : 9/28/2020 4:23 PM PLOT BY : NILSON, ERIK M PLOT NAME : PLOT SCALE : 1 IN:1 MI

2

2

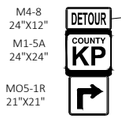
N

14

M4-8
24"X12"
M1-5A
24"X24"

W20-2A

M4-8
24"X12"
M1-5A
24"X24"
MO5-1R
21"X21"

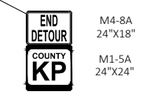


M4-8
24"X12"
M1-5A
24"X24"
MO6-1
21"X21"

M4-8
24"X12"
M1-5A
24"X24"

G20-51
60"X24"

K



M4-8A
24"X18"
M1-5A
24"X24"

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	HWY KP DETOUR (SHEET 1)	SHEET 145	E

FILE NAME : \\MAD31ZP1\N3PUBLIC\PDS\C3D\53100206(14)\SHEETSPLAN\027001-DT_KP ERIK UPDATE.DWG
LAYOUT NAME - NORTH

PLOT DATE : 9/28/2020 4:23 PM PLOT BY : NILSON, ERIK M PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2

F

2

N

KP

BLACK EARTH

ROAD CLOSED
2 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60"X30"

M4-8
24"X12"
DETOUR
COUNTY
KP
M1-5A
24"X24"

M4-8
24"X12"
DETOUR
COUNTY
KP
M1-5A
24"X24"
MO6-1
21"X21"

M4-8
24"X12"
DETOUR
COUNTY
KP
M1-5A
24"X24"
MO5-1L
21"X21"

DETOUR
NEXT 9 MILES
G20-51
60"X24"

COUNTY
KP
MO6-1
21"X21"
COUNTY
F

F

END
DETOUR
COUNTY
KP
M4-8A
24"X18"
M1-5A
24"X24"

M4-8
24"X12"
DETOUR
COUNTY
KP
M1-5A
24"X24"
DETOUR
AHEAD
W20-2A

M4-8
24"X12"
DETOUR
COUNTY
KP
M1-5A
24"X24"
ROAD
CLOSED
AHEAD
W20-3A

Black
Earth

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	HWY KP DETOUR (SHEET 2)	SHEET 146	E

FILE NAME : \\MAD31ZP1\N3PUBLIC\PDS\C3D\53100206(14)\SHEETSPLAN\027001-DT_KP ERIK UPDATE.DWG
LAYOUT NAME - EAST

PLOT DATE : 9/28/2020 4:23 PM PLOT BY : NILSON, ERIK M PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

2

N

FF

F

M4-8
24"X12"
M1-5A
24"X24"
DETOUR
COUNTY
KP

M4-8
24"X12"
M1-5A
24"X24"
DETOUR
COUNTY
KP
MO6-1
21"X21"

M4-8
24"X12"
M1-5A
24"X24"
DETOUR
COUNTY
KP
MO5-1R
21"X21"

M4-8
24"X12"
M1-5A
24"X24"
MO5-1L
21"X21"
DETOUR
COUNTY
KP

M4-8
24"X12"
M1-5A
24"X24"
DETOUR
COUNTY
KP
MO6-1
21"X21"

M4-8
24"X12"
M1-5A
24"X24"
DETOUR
COUNTY
KP

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	HWY KP DETOUR (SHEET 3)	SHEET 147	E

FILE NAME : \\MAD31ZP1\N3PUBLIC\PDS\C3D\53100206(14)\SHEETSPLAN\027001-DT_KP ERIK UPDATE.DWG
LAYOUT NAME - SOUTH

PLOT DATE : 9/28/2020 4:23 PM PLOT BY : NILSON, ERIK M PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

N

M4-8
24"X12"
M1-5A
24"X24"
MO5-1L
21"X21"

M4-8
24"X12"
M1-5A
24"X24"
MO6-1
21"X21"

M4-8
24"X12"
M1-5A
24"X24"

M4-8
24"X12"
M1-5A
24"X24"
MO6-1
21"X21"

M4-8
24"X12"
M1-5A
24"X24"
MO5-1R
21"X21"

M4-8
24"X12"
M1-5A
24"X24"

K

KK

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	HWY KP DETOUR (SHEET 4)	SHEET 148	E

FILE NAME : \\MAD31ZP1\N3PUBLIC\PDS\C3D\53100206(14)\SHEETSPLAN\027001-DT_KP ERIK UPDATE.DWG
LAYOUT NAME - WEST

PLOT DATE : 9/28/2020 4:23 PM PLOT BY : NILSON, ERIK M PLOT NAME : PLOT SCALE : 1 IN:1000 FT

Estimate Of Quantities

5310-02-76

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	14.000	14.000
0004	201.0205	Grubbing	STA	16.000	16.000
0006	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0008	204.0100	Removing Concrete Pavement	SY	7,599.000	7,599.000
0010	204.0110	Removing Asphaltic Surface	SY	250.000	250.000
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	768.000	768.000
0014	204.0120	Removing Asphaltic Surface Milling	SY	1,280.000	1,280.000
0016	204.0150	Removing Curb & Gutter	LF	5,933.000	5,933.000
0018	204.0155	Removing Concrete Sidewalk	SY	419.000	419.000
0020	204.0165	Removing Guardrail	LF	772.000	772.000
0022	204.0185	Removing Masonry	CY	4.000	4.000
0024	204.0210	Removing Manholes	EACH	7.000	7.000
0026	204.0220	Removing Inlets	EACH	31.000	31.000
0028	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	1,372.000	1,372.000
0030	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	307.000	307.000
0032	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	755.000	755.000
0034	204.9060.S	Removing (item description) 01. Apron Endwall	EACH	1.000	1.000
0036	205.0100	Excavation Common	CY	27,121.000	27,121.000
0038	208.0100	Borrow	CY	489.000	489.000
0040	213.0100	Finishing Roadway (project) 01. 5310-02-76	EACH	1.000	1.000
0042	305.0110	Base Aggregate Dense 3/4-Inch	TON	502.000	502.000
0044	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,919.000	14,919.000
0046	305.0130	Base Aggregate Dense 3-Inch	TON	23,205.000	23,205.000
0048	415.1080	Concrete Pavement HES 8-Inch	SY	73.000	73.000
0050	415.1410	Concrete Pavement Approach Slab HES	SY	60.000	60.000
0052	416.0160	Concrete Driveway 6-Inch	SY	674.000	674.000
0054	416.0610	Drilled Tie Bars	EACH	116.000	116.000
0056	450.4000	HMA Cold Weather Paving	TON	121.000	121.000
0058	455.0605	Tack Coat	GAL	2,463.000	2,463.000
0060	460.2000	Incentive Density HMA Pavement	DOL	4,700.000	4,700.000
0062	460.6224	HMA Pavement 4 MT 58-28 S	TON	4,634.000	4,634.000
0064	460.6424	HMA Pavement 4 MT 58-28 H	TON	2,700.000	2,700.000
0066	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	98.000	98.000
0068	465.0125	Asphaltic Surface Temporary	TON	1,006.000	1,006.000
0070	465.0305	Asphaltic Surface Safety Islands	TON	4.000	4.000
0072	520.2018	Culvert Pipe Temporary 18-Inch	LF	154.000	154.000
0074	520.3318	Culvert Pipe Class III-A 18-Inch	LF	154.000	154.000
0076	520.8700	Cleaning Culvert Pipes	EACH	1.000	1.000
0078	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	8.000	8.000
0080	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	1.000	1.000

5310-02-76

Line	Item	Item Description	Unit	Total	Qty
		30-Inch			
0082	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	6,190.000	6,190.000
0084	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,163.000	1,163.000
0086	602.0410	Concrete Sidewalk 5-Inch	SF	24,794.000	24,794.000
0088	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	410.000	410.000
0090	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	40.000	40.000
0092	606.0200	Riprap Medium	CY	12.000	12.000
0094	608.0005	Storm Sewer Rock Excavation	CY	500.000	500.000
0096	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,078.000	1,078.000
0098	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	282.000	282.000
0100	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	517.000	517.000
0102	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,895.000	1,895.000
0104	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	898.000	898.000
0106	611.0420	Reconstructing Manholes	EACH	2.000	2.000
0108	611.0530	Manhole Covers Type J	EACH	18.000	18.000
0110	611.0606	Inlet Covers Type B	EACH	13.000	13.000
0112	611.0624	Inlet Covers Type H	EACH	61.000	61.000
0114	611.0642	Inlet Covers Type MS	EACH	6.000	6.000
0116	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000
0118	611.2005	Manholes 5-FT Diameter	EACH	5.000	5.000
0120	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000
0122	611.2033	Manholes 3x3-FT	EACH	9.000	9.000
0124	611.2044	Manholes 4x4-FT	EACH	2.000	2.000
0126	611.3003	Inlets 3-FT Diameter	EACH	4.000	4.000
0128	611.3004	Inlets 4-FT Diameter	EACH	18.000	18.000
0130	611.3220	Inlets 2x2-FT	EACH	6.000	6.000
0132	611.3230	Inlets 2x3-FT	EACH	41.000	41.000
0134	611.3902	Inlets Median 2 Grate	EACH	3.000	3.000
0136	614.0010	Barrier System Grading Shaping Finishing	EACH	1.000	1.000
0138	614.2300	MGS Guardrail 3	LF	181.000	181.000
0140	614.2330	MGS Guardrail 3 K	LF	350.000	350.000
0142	614.2350	MGS Guardrail Short Radius	LF	50.000	50.000
0144	614.2500	MGS Thrie Beam Transition	LF	79.000	79.000
0146	614.2610	MGS Guardrail Terminal EAT	EACH	2.000	2.000
0148	616.0406	Fence Chain Link Salvaged 6-FT	LF	20.000	20.000
0150	618.0100	Maintenance And Repair of Haul Roads (project) 01.	EACH	1.000	1.000

5310-02-76

Line	Item	Item Description	Unit	Total	Qty
		5310-02-76			
0152	619.1000	Mobilization	EACH	1.000	1.000
0154	624.0100	Water	MGAL	258.000	258.000
0156	628.1504	Silt Fence	LF	4,483.000	4,483.000
0158	628.1520	Silt Fence Maintenance	LF	4,483.000	4,483.000
0160	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0162	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0164	628.2004	Erosion Mat Class I Type B	SY	3,224.000	3,224.000
0166	628.2008	Erosion Mat Urban Class I Type B	SY	13,083.000	13,083.000
0168	628.2023	Erosion Mat Class II Type B	SY	1,822.000	1,822.000
0170	628.6505	Soil Stabilizer Type A	ACRE	2.000	2.000
0172	628.7005	Inlet Protection Type A	EACH	4.000	4.000
0174	628.7010	Inlet Protection Type B	EACH	13.000	13.000
0176	628.7015	Inlet Protection Type C	EACH	70.000	70.000
0178	628.7504	Temporary Ditch Checks	LF	154.000	154.000
0180	629.0210	Fertilizer Type B	CWT	11.200	11.200
0182	630.0120	Seeding Mixture No. 20	LB	100.000	100.000
0184	630.0130	Seeding Mixture No. 30	LB	248.000	248.000
0186	630.0200	Seeding Temporary	LB	270.000	270.000
0188	630.0500	Seed Water	MGAL	462.000	462.000
0190	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	38.000	38.000
0192	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	20.000	20.000
0194	637.2210	Signs Type II Reflective H	SF	322.660	322.660
0196	637.2230	Signs Type II Reflective F	SF	35.000	35.000
0198	638.2102	Moving Signs Type II	EACH	55.000	55.000
0200	638.2602	Removing Signs Type II	EACH	49.000	49.000
0202	638.3000	Removing Small Sign Supports	EACH	59.000	59.000
0204	642.5001	Field Office Type B	EACH	1.000	1.000
0206	643.0300	Traffic Control Drums	DAY	15,892.000	15,892.000
0208	643.0410	Traffic Control Barricades Type II	DAY	1,298.000	1,298.000
0210	643.0420	Traffic Control Barricades Type III	DAY	5,477.000	5,477.000
0212	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	770.000	770.000
0214	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	770.000	770.000
0216	643.0705	Traffic Control Warning Lights Type A	DAY	10,954.000	10,954.000
0218	643.0715	Traffic Control Warning Lights Type C	DAY	461.000	461.000
0220	643.0900	Traffic Control Signs	DAY	20,321.000	20,321.000
0222	643.0920	Traffic Control Covering Signs Type II	EACH	147.000	147.000
0224	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0226	643.5000	Traffic Control	EACH	1.000	1.000
0228	645.0120	Geotextile Type HR	SY	38.000	38.000

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Line	Item	Item Description	Unit	Total	Qty
0230	646.1020	Marking Line Epoxy 4-Inch	LF	18,963.000	18,963.000
0232	646.3020	Marking Line Epoxy 8-Inch	LF	642.000	642.000
0234	646.5020	Marking Arrow Epoxy	EACH	22.000	22.000
0236	646.6120	Marking Stop Line Epoxy 18-Inch	LF	133.000	133.000
0238	646.7120	Marking Diagonal Epoxy 12-Inch	LF	309.000	309.000
0240	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,933.000	1,933.000
0242	646.8320	Marking Parking Stall Epoxy	LF	50.000	50.000
0244	646.9000	Marking Removal Line 4-Inch	LF	12,561.000	12,561.000
0246	646.9100	Marking Removal Line 8-Inch	LF	200.000	200.000
0248	646.9300	Marking Removal Special Marking	EACH	10.000	10.000
0250	649.0105	Temporary Marking Line Paint 4-Inch	LF	62,706.000	62,706.000
0252	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	1,525.000	1,525.000
0254	649.0205	Temporary Marking Line Paint 8-Inch	LF	549.000	549.000
0256	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	575.000	575.000
0258	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	88.000	88.000
0260	650.4000	Construction Staking Storm Sewer	EACH	94.000	94.000
0262	650.4500	Construction Staking Subgrade	LF	10,908.000	10,908.000
0264	650.5000	Construction Staking Base	LF	10,908.000	10,908.000
0266	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	7,353.000	7,353.000
0268	650.6000	Construction Staking Pipe Culverts	EACH	8.000	8.000
0270	650.8500	Construction Staking Electrical Installations (project) 01. 5310-02-76	LS	1.000	1.000
0272	650.9000	Construction Staking Curb Ramps	EACH	44.000	44.000
0274	650.9910	Construction Staking Supplemental Control (project) 01. 5310-02-76	LS	1.000	1.000
0276	650.9920	Construction Staking Slope Stakes	LF	13,716.000	13,716.000
0278	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,184.000	4,184.000
0280	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	864.000	864.000
0282	652.0800	Conduit Loop Detector	LF	1,313.000	1,313.000
0284	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	8.000	8.000
0286	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	9.000	9.000
0288	654.0101	Concrete Bases Type 1	EACH	10.000	10.000
0290	654.0102	Concrete Bases Type 2	EACH	4.000	4.000
0292	654.0106	Concrete Bases Type 6	EACH	32.000	32.000
0294	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0296	654.0230	Concrete Control Cabinet Bases Type L30	EACH	2.000	2.000
0298	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,506.000	1,506.000
0300	655.0250	Cable Traffic Signal 9-14 AWG	LF	407.000	407.000
0302	655.0260	Cable Traffic Signal 12-14 AWG	LF	101.000	101.000
0304	655.0305	Cable Type UF 2-12 AWG Grounded	LF	368.000	368.000

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Line	Item	Item Description	Unit	Total	Qty
0306	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,554.000	1,554.000
0308	655.0610	Electrical Wire Lighting 12 AWG	LF	4,032.000	4,032.000
0310	655.0635	Electrical Wire Lighting 2 AWG	LF	14,961.000	14,961.000
0312	655.0700	Loop Detector Lead In Cable	LF	2,161.000	2,161.000
0314	655.0800	Loop Detector Wire	LF	2,849.000	2,849.000
0316	656.0400	Electrical Service Main Lugs Only Meter Pedestal (location) 01. Sta. 20+58.6	LS	1.000	1.000
0318	656.0400	Electrical Service Main Lugs Only Meter Pedestal (location) 02. Sta. 36+24.1	LS	1.000	1.000
0320	657.0100	Pedestal Bases	EACH	10.000	10.000
0322	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	36.000	36.000
0324	657.0310	Poles Type 3	EACH	2.000	2.000
0326	657.0315	Poles Type 4	EACH	2.000	2.000
0328	657.0327	Poles Type 6-Aluminum	EACH	32.000	32.000
0330	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	4.000	4.000
0332	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	6.000	6.000
0334	657.0585	Trombone Arms 15-FT	EACH	2.000	2.000
0336	657.0605	Luminaire Arms Single Member 4 1/2-Inch Clamp 4-FT	EACH	32.000	32.000
0338	657.0810	Luminaire Arms Steel 10-FT	EACH	4.000	4.000
0340	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000
0342	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0344	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000
0346	658.5069	Signal Mounting Hardware (location) 01. USH 14 & CTH Y	LS	1.000	1.000
0348	659.1125	Luminaires Utility LED C	EACH	32.000	32.000
0350	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	2.000	2.000
0352	690.0150	Sawing Asphalt	LF	15,004.000	15,004.000
0354	690.0250	Sawing Concrete	LF	3,752.000	3,752.000
0356	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
0358	740.0440	Incentive IRI Ride	DOL	3,064.000	3,064.000
0360	801.0117	Railroad Flagging Reimbursement	DOL	5,000.000	5,000.000
0362	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,100.000	1,100.000
0364	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	800.000	800.000
0366	SPV.0045	Special 01. Temporary Crosswalk	DAY	381.000	381.000
0368	SPV.0060	Special 01. Storm Sewer Tap	EACH	3.000	3.000
0370	SPV.0060	Special 02. Adjusting Water Main Valve Box	EACH	8.000	8.000
0372	SPV.0060	Special 03. Adjusting Sanitary Manhole Covers	EACH	4.000	4.000
0374	SPV.0090	Special 01. Salvage and Reinstall Fieldstone Boulder Wall	LF	20.000	20.000
0376	SPV.0105	Special 01. Management of Contaminated Groundwater	LS	1.000	1.000
0378	SPV.0180	Special 01. Topsoil Special	SY	27,327.000	27,327.000

					5310-02-76
0380	SPV.0195	Special 01. Excavating, Hauling and Disposal of Petroleum Contaminated Soil	TON	10.000	10.000

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201 - CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	REMARKS
0010	12+00	-	14+00	RT	-	2	2 TREE STUMPS
0010	16+00	-	19+00	RT	3	3	REMOVE TREES & SHRUBS TO 45' FROM USH 14 RL
0010	21+00	-	22+00	RT	1	1	2 TREES
0010	34+00	-	35+00	LT	1	1	1 TREE
0010	37+00	-	38+00	LT	1	1	2 TREES
0010	42+00	-	45+00	RT	3	3	REMOVE TREES & SHRUBS TO 50' FROM USH 14 RL
0010	11+00 KP		13+00 KP	CTH KP, LT	2	2	AS NEEDED FOR STORM SEWER INSTALLATION
0010	10+50 RD		14+00 RD	DRAINAGE SWALE	3	3	AS NEEDED FOR SWALE CONSTRUCTION
				TOTAL 0010	14	16	

203 - REMOVING SMALL PIPE

203.0100

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	11+38	RT	1	18" x 25' CMCP
0010	12+10	RT	1	18" x 28' CMCP
0010	13+16	RT	1	18" x 28' CMCP
		TOTAL 0010	3	

204 - REMOVING GUARDRAIL

204.0165

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	LF
0010	44+96	-	47+36	LT	240
0010	46+75	-	47+70	RT	532
				TOTAL 0010	772

204 - REMOVING APRON ENDWALL

204.9060.S.01

REMOVING (ITEM DESCRIPTION) (01. APRON ENDWALL)

CATEGORY	STATION	LOCATION	EACH
0010	7+50	LT	1
		TOTAL 0010	1

204 - REMOVING CURB & GUTTER

204.0150

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	LF
0010				WALTER RD NE QUADRANT	65
0010				WALTER RD SE QUADRANT	73
0010	20+43	-	45+15	LT	2,740
0010	20+53	-	46+28	RT	3,055
				TOTAL 0010	5,933

204 - REMOVING MASONRY

204.0185

REMOVING MASONRY

CATEGORY	STATION	TO	STATION	LOCATION	CY	REMARKS
0010	21+25			30' RT	1.5	FLAG POLE FOOTING
0010	13+75 RD	-	14+00 RD	RT	2.5	MASONRY WALL
				TOTAL 0010	4	

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204 - REMOVING SIDEWALK

204.0155

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	SY
0010	33+05			NE QUADRANT BRODHEAD	27
0010	33+05			SE QUADRANT BRODHEAD ST	38
0010	32+31			SW QUADRANT BRODHEAD ST	34
0010	32+31			NW QUADRANT BRODHEAD ST	18
0010	35+55			SW QUADRANT ELDRED ST	23
0010	36+20			SE QUADRANT ELDRED ST	8
0010	40+18	-	46+25	RT	271
				TOTAL 0010	419

204- REMOVING CONCRETE PAVEMENT

204.0100

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	SY	REMARKS
STAGE 2						
0010	9+25			LT	11	FOR STORM SEWER CROSSING INSTALLATION
0010	28+73			LT	19	FOR STORM SEWER CROSSING INSTALLATION
STAGE 3						
0010	6+85	-	40+25	RT	2,200	REMOVAL OF CRACKED & SEATED CONCRETE PAVEMENT
	47+21	-	47+56	LT & RT	174	BRIDGE CONCRETE APPROACH SLABS
STAGE 4						
0010	6+85	-	40+25	LT	5,195	REMOVAL OF CRACKED & SEATED CONCRETE PAVEMENT
				TOTAL 0010	7,599	

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204-REMOVING HMA

CATEGORY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
STAGE 1								
0010	9+50	-	20+50	RT	-	-	490	SHOULDER
STAGE 2								
0010	7+25	-	20+50	LT	150	-	-	REMOVING 1 FOOT OF LEFT SHOULDER
	36+10	-	45+00	LT	100	-	-	REMOVING 1 FOOT OF LEFT SHOULDER
STAGE 6								
0010				SIDE ROADS	-	464	-	
0010				USH 14	-	144	-	BEGIN/END OF PAVING
0010				USH 14	-	160	-	UTILITY COVER WEDGES
0010	6+10	-	6+85	USH 14	-	-	790	WEST HALF OF WALTER RD INTERSECTION
				TOTAL 0010	250	768	1,280	

204-REMOVING MANHOLES & INLETS

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
STAGE 2				
0010	36+37	LT	-	-
0010	38+21	LT	-	-
STAGE 3				
0010	25+07	RT	-	1
0010	29+15	RT	-	1
0010	32+22	RT	-	1
0010	33+11	RT	-	1
0010	35+99	RT	-	1
0010	36+27	RT	-	1
0010	38+44	RT	-	1
0010	39+62	RT	-	1
0010	39+66	RT	-	1
0010	40+48	RT	-	1
0010	40+50	RT	-	1
STAGE 4				
0010	22+76	LT	-	1
0010	22+78	LT	-	1
0010	24+51	LT	-	1
0010	24+85	LT	-	1
0010	25+08	LT	1	1
0010	29+15	LT	1	1
0010	32+22	LT	-	1
0010	32+55	LT	1	-
0010	33+11	LT	1	1
0010	35+75	LT	-	1
0010	35+77	LT	1	-
0010	36+37	LT	1	1
0010	38+21	LT	1	1
0010	40+48	LT	-	1
STAGE 5				
0010	23+28	RT	-	1
0010	25+10	RT	-	1
0010	27+22	RT	-	1
0010	29+25	RT	-	1
0010	31+52	RT	-	1
0010	33+42	RT	-	1
0010	36+34	RT	-	1
0010	38+02	RT	-	1
		TOTAL 0010	7	31

204-REMOVING STORM SEWER

CATEGORY	STATION		TO STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 12-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 15-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 18-INCH) LF
STAGE 3							
0010	22+77			RT	17	-	-
0010	25+07			RT	17	-	-
0010	29+15			RT	17	-	-
0010	32+22			RT	17	-	-
0010	33+11			RT	17	-	-
0010	33+11	-	33+80	RT	77	-	-
0010	35+99	-	36+27	RT	37	-	-
0010	36+32			RT	20	-	-
0010	38+34	-	38+44	RT	-	25	-
0010	38+44	-	39+66	RT	125	-	-
0010	39+62	-	39+66	RT	15	-	-
0010	40+48			RT	-	-	40
STAGE 4							
0010	22+77			LT	38	-	-
0010	22+76	-	25+08	LT	232	-	-
0010	24+51	-	24+85	LT	35	-	-
0010	24+85	-	25+08	LT	30	-	-
0010	25+07			LT	35	-	-
0010	25+08	-	28+73	LT	365	-	-
0010	28+73	-	29+15	LT	-	-	42
0010	29+15			LT	33	-	-
0010	29+15	-	32+22	LT	-	-	307
0010	32+22			LT	31	-	-
0010	32+22	-	32+55	LT	48		
0010	32+55	-	33+11	LT	-	-	56
0010	33+11			LT	34	-	-
0010	33+11	-	35+77	LT	-	-	266
0010	35+75	-	35+77	LT	18	-	-
0010	35+77	-	36+37	LT	-	60	-
0010	36+32			LT	33	-	-
0010	36+37	-	38+21	LT	-	184	-
0010	38+21			LT	-	10	-
0010	38+21	-	38+34	LT	-	28	-
0010	40+48			LT	-	-	44
STAGE 5							
0010	23+28			RT	9	-	-
0010	25+10			RT	9	-	-
0010	27+22			RT	9	-	-
0010	29+16	-	29+25	RT	13	-	-
0010	31+52			RT	9	-	-
0010	33+42	-	33+52	RT	14	-	-
0010	36+34			RT	9	-	-
0010	38+02			RT	9	-	-
				TOTAL 0010	1,372	307	755

208-EARTHWORK

CATEGORY	STATION	TO	STATION	LOCATION	205.0100 EXCAVATION COMMON CUT CY	EBS CY	UNUSABLE PAVEMENT MATERIAL (1) CY	AVAILABLE MATERIAL (2) CY	UNEXPANDED FILL CY	EXPANDED FILL (FACTOR 1.25) (3) CY	MASS ORDINATE +/- (4) CY	208.0100 BORROW CY	WASTE (5) CY
STAGE 2													
0010	7+25	-	20+50	LT	412	21	15	397	709	886	-489	489	36
0010	36+10	-	45+00	LT	476	15	10	466	8	10	456	0	481
				STAGE 2 SUBTOTAL	888	36	25	863	717	896	-33	489	517
STAGE 3													
0010	6+85	-	44+00	RT	9,768	186	1298	8470	41	51	8419	0	9903
0010	44+00	-	47+56	LT & RT	1,710	42	274	1436	49	61	1375	0	1691
0010	S. WALTER RD			INTERSECTION	96	2	15	81	0	0	81	0	98
0010	REEVE RD			INTERSECTION	108	2	14	94	1	1	93	0	109
0010	S. CROCKER ST			INTERSECTION	162	3	24	138	0	0	138	0	165
0010	S. SCOTT ST			INTERSECTION	242	4	28	214	0	0	214	0	246
0010	S. BRODHEAD ST			INTERSECTION	254	4	34	220	11	14	206	0	244
0010	S. ELDRED ST			INTERSECTION	150	2	20	130	0	0	130	0	152
0010	S. CRAMER ST			INTERSECTION	271	4	33	238	1	1	237	0	274
0010	CTH KP			INTERSECTION	334	10	85	249	6	8	242	0	337
	10+50 RD		18+00 RD	DRAINAGE SWALE	868	0	0	868	238	298	571	0	571
				STAGE 3 SUBTOTAL	13,963	259	1,825	12,138	347	434	11,704	0	13,788
STAGE 4													
0010	6+85	-	44+00	LT	9,630	194	2311	7319	360	450	6869	0	9374
0010	N.WALTER RD			INTERSECTION	102	2	20	82	0	0	82	0	104
0010	WALL ST			INTERSECTION	137	2	17	120	0	0	120	0	139
0010	N. CROSCKER ST			INTERSECTION	171	2	20	151	0	0	151	0	173
0010	N. SCOTT ST			INTERSECTION	105	2	14	91	0	0	91	0	107
0010	N. BRODHEAD ST			INTERSECTION	293	4	35	258	1	1	257	0	296
0010	N. ELDRED ST			INTERSECTION	168	3	23	145	0	0	145	0	171
0010	N. CRAMER ST			INTERSECTION	154	3	25	129	5	6	123	0	151
				STAGE 4 SUBTOTAL	10,760	212	2,465	8,295	366	458	7,838	0	10,515
STAGE 5													
0010	6+85	-	44+00	RT	1,003	0	335	668	676	845	-177	0	335
				PROJECT SUBTOTAL	26,614	507				2,633		489	25,155
				TOTAL 0010	27,121							489	

(1) UNUSABLE ASPHALT AND CONCRETE PAVEMENT IS INCLUDED IN EXCAVATION COMMON
(2) AVAILABLE MATERIAL = EXCAVATION COMMON CUT - UNUSABLE PAVEMENT MATERIAL (1). EBS MATERIAL IS NOT INCLUDED IN AVAILABLE MATERIAL.
(3) EXPANDED FILL = UNEXPANDED FILL X 1.25
(4) MASS ORDINATE = AVAILABLE MATERIAL (2) - EXPANDED FILL (3). POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THAT STAGE.
(5) WASTE = EBS + UNUSABLE PAVEMENT MATERIAL (1) + MASS ORDINATE (4) IF A POSITIVE NUMBER

305 - BASE AGGREGATE

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON
STAGE 1							
0010	9+50	-	20+50	RT	100	-	-
STAGE 2							
0010	7+25	-	20+50	LT	50	728	933
0010	36+10	-	45+00	LT	31	216	357
				EBS	-	-	79
STAGE 3							
0010	6+85	-	47+56	LT & RT	180	7448	11808
0010				CTH KP	17	-	-
0010				LAKE MARION TRAIL	4	-	8
				EBS	-	-	524
STAGE 4							
0010	6+85	-	44+00	LT	-	5,496	9,069
0010	DRIVEWAYS & SIDEWALK			LT	3	569	-
				EBS	-	-	427
STAGE 5							
0010	7+82	-	17+30	RT	42	-	-
	DRIVEWAYS & SIDEWALK			RT	75	462	-
				TOTAL 0010	502	14,919	23,205

415 - CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	415.1080 CONCRETE PAVEMENT HES 8-INCH SY	415.1410 CONCRETE PAVEMENT APPROACH SLAB HES SY	REMARKS
0010	47+29	-	47+57	BRIDGE APPROACH	73	60	SKEW > 20 DEGREES
				TOTAL 0010	73	60	

416 - CONCRETE DRIVEWAY

CATEGORY	STATION	TO	STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY
STAGE 4					
0010	16+46	-	37+88	LT	368
STAGE 5					
0010	22+60	-	37+81	RT	306
				TOTAL 0010	674

416 - DRILLED TIE BARS

CATEGORY	STATION	LOCATION	416.0610 DRILLED TIE BARS EACH
0010	30+65	DRIVEWAY	14
0010	31+58	DRIVEWAY	52
0010	37+86	DRIVEWAY	4
0010		SOUTH WALTER ROAD	2
0010		WALL STREET	4
0010		NORTH & SOUTH CROCKER STREET	8
0010		NORTH & SOUTH SCOTT STREET	8
0010		NORTH & SOUTH BRODHEAD STREET	8
0010		NORTH & SOUTH ELDRED STREET	8
0010		NORTH & SOUTH CRAMER STREET	8
		TOTAL 0010	116

460 - ASPHALT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
STAGE 1										
0010	9+50	-	20+50	RT SHOULDER	25	35	-	-	-	100
STAGE 2										
0010	7+00	-	20+50	LT	56	57	-	-	-	224
0010	36+10	-	45+00	LT	40	40	-	-	-	156
STAGE 3										
0010	6+85	-	44+00	RT	-	627	2,027	-	-	526
0010	44+00	-	47+56	LT & RT	-	170	473	270	-	-
0010				LAKE MARION TRAIL	-	-	4	-	-	-
STAGE 4										
0010	6+85	-	44+00	LT	-	494	2,030	-	-	-
0010	DRIVEWAYS			LT	-	-	-	-	35	-
STAGE 5										
0010	6+85	-	44+00	UNDISTRIBUTED	-	-	100	-	-	-
0010	DRIVEWAY S			RT	-	-	-	-	58	-
0010	34+26		35+47	RT, TERRACE	-	-	-	-	5	-
STAGE 6										
0010	6+10	-	44+00	LT & RT	-	1,040	-	2,430	-	-
				TOTAL 0010	121	2,463	4,634	2,700	98	1,006

465 - ASPHALTIC SURFACE ISLAND

CATEGORY	STATION	LOCATION	465.0305 ASPHALTIC SURFACE SAFETY ISLANDS TON
0010		CTH KP INTERSECTION	4
		TOTAL 0010	4

520 - CULVERT PIPE

CATEGORY	STATION	LOCATION	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.8700 CLEANING CULVERT PIPES EACH	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	REMARKS
0010	6+85	LT	-	-	1	-	-	18" RCCP PIPE UNDER WALTER RD
0010	11+30	RT	30	30	-	2	2	
0010	12+10	RT	34	34	-	2	2	
0010	13+16	RT	32	32	-	2	2	
0010	15+30	RT	58	58	-	2	2	
		TOTAL 0010	154	154	1	8	8	

601 - CURB AND GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
STAGE 3							
0010	44+00	-	46+37	RT	304	-	304
STAGE 4							
0010	7+09	-	43+84	LT	2,840	1,053	3,893
STAGE 5							
0010	7+02	-	44+00	RT	3,046	110	3,156
				TOTAL 0010	6,190	1,163	7,353

602 - SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
STAGE 4								
0010	7+56	-	39+76	LT	15,220	190	40	22
STAGE 5								
0010	7+12	-	39+56	RT	9,574	220	-	22
				TOTAL 0010	24,794	410	40	44

606 - RIPRAP

CATEGORY	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
0010	10+65 RD	RT	6	19
0010	13+85 RD	RT	6	19
		TOTAL 0010	12	38

608 - STORM SEWER ROCK

CATEGORY	STATION	TO	STATION	LOCATION	608.0005 STORM SEWER ROCK EXCAVATION CY
0010	44+00	-	48+60	RT	500
				TOTAL 0010	500

614 - BARRIER SYSTEM GRADING

CATEGORY	STATION	TO	STATION	LOCATION	* 614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH
0010	11+50 KP	-	15+50 KP	CTH KP	1
				TOTAL 0010	1

* BARRIER SYSTEM GRADING SHAPING FINISHING ESTIMATED QUANTITIES (FOR INFORMATION ONLY)

STATION	TO	STATION	LOCATION	TOPSOIL SPECIAL SY	BORROW CY	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 30 LB	SEEDING TEMPORARY LB	CONSTRUCTION STAKING SLOPE STAKES LF
11+50 KP	-	15+50 KP	LT	0	0	0.10	3	4	400

3

608 - STORM SEWER PIPE

CATEGORY	STRUCTURE	TO	STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
0010	2.1	-	2.0	-	-	180	-	-	789.03	788.49	-0.003
0010	2.2	-	2.1	-	-	85	-	-	789.29	789.03	-0.003
0010	7.2	-	7.1	58	-	-	-	-	795.35	795.06	-0.005
0010	7.1	-	7.4	75	-	-	-	-	795.06	794.68	-0.005
0010	7.4	-	7.5	34	-	-	-	-	794.68	794.53	-0.005
0010	7.5	-	7.0	59	-	-	-	-	794.53	794.23	-0.005
0010	7.0	-	8.0	-	-	-	213	-	793.23	792.16	-0.005
0010	T8.5	-	8.5	9	-	-	-	-	795.00	794.91	-0.011
0010	8.5	-	8.4	11	-	-	-	-	794.62	794.57	-0.005
0010	8.4	-	8.0	10	-	-	-	-	794.57	794.47	-0.011
0010	EX.1	-	8.3	17	-	-	-	-	795.92	794.94	-0.061
0010	8.3	-	8.2	-	-	26	-	-	794.44	794.31	-0.005
0010	8.2	-	8.1	-	-	11	-	-	794.31	794.25	-0.006
0010	8.1	-	8.0	-	-	38	-	-	794.25	793.87	-0.010
0010	8.0	-	9.0	-	-	-	190	-	792.16	791.20	-0.005
0010	9.6	-	9.3	11	-	-	-	-	795.00	794.90	-0.010
0010	9.3	-	9.2	35	-	-	-	-	794.90	794.72	-0.005
0010	9.7	-	9.2	11	-	-	-	-	795.00	794.90	-0.010
0010	9.2	-	9.1	-	-	34	-	-	794.22	794.06	-0.005
0010	EX.3	-	9.1	18	-	-	-	-	796.36	796.18	-0.011
0010	9.5	-	9.1	16	-	-	-	-	795.60	795.45	-0.010
0010	9.1	-	9.0	-	-	38	-	-	794.06	793.69	-0.010
0010	9.8	-	9.4	40	-	-	-	-	795.69	795.49	-0.005
0010	T9.4	-	9.4	9	-	-	-	-	796.00	795.91	-0.011
0010	9.4	-	9.0	10	-	-	-	-	795.49	795.39	-0.010
0010	9.0		10.0	-	-	-	214	-	791.20	790.14	-0.005
0010	10.1	-	10.0	38	-	-	-	-	796.70	796.32	-0.010
0010	T10.2	-	10.2	9	-	-	-	-	797.00	796.91	-0.011
0010	10.2	-	10.0	10	-	-	-	-	796.70	796.60	-0.010
0010	10.0	-	23.0	-	-	-	151	-	790.14	789.34	-0.005
0010	23.0	-	S188	-	-	-	-	49	788.40	788.16	-0.005
0010	11.0		23.0	-	-	-	43	-	793.64	793.39	-0.006
0010	11.5	-	11.4	36	-	-	-	-	797.60	797.42	-0.005
0010	11.6	-	11.4	11	-	-	-	-	797.80	797.42	-0.036
0010	11.4	-	11.3	37	-	-	-	-	797.42	797.25	-0.005
0010	T11.3	-	11.3	13	-	-	-	-	798.78	798.66	-0.010
0010	11.3	-	11.0	-	-	10	-	-	796.75	796.53	-0.023
0010	11.2	-	11.1	11	-	-	-	-	798.10	798.00	-0.010
0010	11.1	-	11.0	38	-	-	-	-	798.00	797.62	-0.010
0010	12.0		11.0	-	-	-	237	-	794.83	793.64	-0.005
0010	12.3	-	12.2	10	-	-	-	-	798.19	798.12	-0.007
0010	T12.2	-	12.2	9	-	-	-	-	798.75	798.66	-0.011
0010	12.2	-	12.0	-	10	-	-	-	797.54	797.22	-0.034
0010	12.4	-	12.1	-	10	-	-	-	797.81	797.61	-0.020
0010	12.1	-	12.0	-	38	-	-	-	797.61	797.23	-0.010
0010	13.0		12.0	-	-	-	99	-	795.32	794.83	-0.005
0010	13.2	-	13.1	38	-	-	-	-	798.15	797.96	-0.005
0010	13.1	-	13.0	35	-	-	-	-	797.96	797.62	-0.010
0010	22.2	-	22.0	39	-	-	-	-	796.16	795.97	-0.005

(quantities continued on next page)

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608 - STORM SEWER PIPE

CATEGORY	STRUCTURE	TO	STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
0010	22.1	-	22.0	6	-	-	-	-	798.15	798.02	-0.023
0010	22.0	-	13.0	-	-	-	81	-	795.56	795.32	-0.003
0010	T14.3	-	14.3	14	-	-	-	-	799.04	798.91	-0.010
0010	EX.2	-	14.3	37	-	-	-	-	800.27	799.53	-0.020
0010	14.4	-	14.3	10	-	-	-	-	798.20	798.15	-0.005
0010	14.3	-	14.0	10	-	-	-	-	798.15	798.05	-0.010
0010	14.2	-	14.1	-	11	-	-	-	798.08	798.03	-0.005
0010	14.1	-	14.0	-	38	-	-	-	798.03	797.65	-0.010
0010	14.0	-	13.0	-	-	-	102	-	796.58	795.32	-0.012
0010	15.0	-	14.0	-	-	-	217	-	797.89	796.58	-0.006
0010	15.5	-	15.3	11	-	-	-	-	799.89	799.69	-0.020
0010	15.3	-	15.0	-	-	27	-	-	799.19	798.89	-0.011
0010	15.6	-	15.4	11	-	-	-	-	800.42	800.32	-0.010
0010	15.4	-	15.3		37	-	-	-	800.18	799.82	-0.010
0010	15.7	-	15.2	10	-	-	-	-	799.87	799.82	-0.005
0010	15.2	-	15.1	34	-	-	-	-	799.82	799.64	-0.005
0010	15.1	-	15.0	-	54	-	-	-	799.39	798.89	-0.009
0010	16.0	-	15.0	-	-	-	67	-	798.51	797.89	-0.009
0010	T16.2	-	16.2	9	-	-	-	-	802.30	802.21	-0.009
0010	16.2	-	16.0	11	-	-	-	-	801.06	800.96	-0.009
0010	16.3	-	16.1	10	-	-	-	-	800.25	800.20	-0.005
0010	16.1	-	16.0	-	37	-	-	-	799.95	799.76	-0.005
0010	17.0		16.0	-	-	-	170	-	800.06	798.51	-0.009
0010	T17.2	-	17.2	9	-	-	-	-	804.40	804.31	-0.011
0010	17.2	-	17.0	11	-	-	-	-	803.25	803.15	-0.010
0010	17.3	-	17.1	10	-	-	-	-	802.38	802.24	-0.014
0010	17.1	-	17.0	-	37	-	-	-	802.00	801.63	-0.010
0010	18.5	-	18.4	11	-	-	-	-	807.00	806.80	-0.020
0010	18.4	-	18.3	-	10	-	-	-	806.55	806.35	-0.020
0010	18.3	-	18.2	-	-	-	35	-	805.60	805.42	-0.005
0010	18.6	-	18.2	10	-	-	-	-	807.21	807.11	-0.010
0010	18.2	-	18.1	-	-	-	22	-	805.42	805.21	-0.010
0010	18.1	-	20.2	-	-	-	54	-	805.21	804.93	-0.005
0010	20.2	-	20.4	-	-	-	-	17	804.93	804.84	-0.005
0010	20.4	-	20.0	-	-	-	-	12	804.84	804.78	-0.005
0010	20.3	-	20.1	11	-	-	-	-	806.07	805.97	-0.010
0010	20.1	-	20.0	36	-	-	-	-	805.97	805.62	-0.010
0010	20.0	-	30.0	-	-	-	-	266	804.78	803.98	-0.003
0010	21.3	-	21.2	25	-	-	-	-	806.92	806.76	-0.006
0010	21.2	-	21.1	25	-	-	-	-	806.76	806.60	-0.006
0010	21.1	-	21.0	-	-	25	-	-	806.10	805.85	-0.010
0010	21.0	-	20.4	-	-	43	-	-	805.85	805.28	-0.013
0010	30.0	-	31.0	-	-	-	-	246	803.98	803.24	-0.003
0010	31.0	-	32.0	-	-	-	-	106	803.24	802.92	-0.003
0010	32.0	-	33.0	-	-	-	-	129	802.92	786.00	-0.132
0010	33.0	-	34.0	-	-	-	-	73	783.35	782.50	-0.011
TOTAL 0010				1,078	282	517	1,895	898			

611 - INLETS

CATEGORY	STRUCTURE	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH	LOCATION	611.0420 * RECONSTRUCTING MANHOLES EACH	611.0606 INLET COVERS TYPE B EACH	611.0624 * INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3220 INLETS 2X2-FT EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000 * CONSTRUCTION STAKING STORM SEWER EACH
STAGE 2																	
0010	2.0	7+47	34.0	791.75	788.49	1.93	LT	-	1	-	-	-	1	-	-	-	1
0010	2.1	9+25	46.0	794.40	789.03	5.37	LT	-	-	-	2	-	-	-	-	1	1
0010		36+37	31.0	804.00	-		LT	1	1	-	-	-	-	-	-	-	-
0010		38+21	31.0	805.41	-		LT	1	1	-	-	-	-	-	-	-	-
							STAGE 2 SUBTOTAL	2	3	0	2	0	1	0	0	1	2
STAGE 3																	
0010	2.2	9+25	39.0	791.77	789.29	2.48	RT	-	-	-	2	-	-	-	-	1	1
0010	8.4	23+18	23.5	798.33	794.57	2.76	RT	-	-	1	-	-	-	-	1	-	1
0010	8.5	23+28	23.5	798.37	794.62	2.75	RT	-	-	1	-	-	-	-	1	-	1
0010	T8.5	23+28	32.0	797.89	795.00	1.56	RT	-	1	-	-	-	-	1	-	-	1
0010	9.4	25+10	23.5	799.24	795.49	2.75	RT	-	-	1	-	-	-	-	1	-	1
0010	T9.4	25+10	32.0	798.80	796.00	1.47	RT	-	1	-	-	-	-	1	-	-	1
0010	9.8	25+50	23.5	799.49	795.69	2.80	RT	-	-	1	-	-	-	-	1	-	1
0010	10.2	27+22	23.5	800.55	796.70	2.85	RT	-	-	1	-	-	-	-	1	-	1
0010	T10.2	27+22	32.0	800.10	797.00	1.77	RT	-	1		-	-	-	1	-	-	1
0010	11.5	28+49	41.0	801.74	797.60	3.14	RT	-	-	1	-	-	-	-	1	-	1
0010	11.4	28+84	41.0	801.74	797.42	3.32	RT	-	-	1	-	-	1	-	-	-	1
0010	11.6	28+84	51.5	802.01	797.80	3.21	RT	-	-	1	-	-	-	-	1	-	1
0010	11.3	29+16	23.5	801.74	796.75	3.99	RT	-		1	-		1	-	-	-	1
0010	T11.3	29+25	32.0	801.35	798.78	1.24	RT	-	1	-	-	1	-	-	-	-	1
0010	12.2	31+52	23.5	801.91	798.12	2.79	RT	-	-	1	-	-	-	-	1	-	1
0010	T12.2	31+52	32.0	801.50	798.75	1.42	RT	-	1		-	-	-	1	-	-	1
0010	12.3	31+62	23.5	801.94	798.19	2.75	RT	-	-	1	-	-	-	-	1	-	1
0010	13.1	32+45	47.9	801.07	797.96	2.11	RT	-	-	1	-	-	-	-	1	-	1
0010	13.2	32+81	56.9	800.96	798.15	1.81	RT	-	-	1	-	-	-	-	1	-	1
0010	T14.3	33+42	32.0	801.47	799.04	1.10	RT	-	1	-	-	1	-	-	-	-	1
0010	14.4	33+62	23.5	801.95	798.20	2.75	RT	-	-	1	-	-	-	-	1	-	1
0010	15.3	35+65	39.7	804.50	799.19	4.31	RT	-	-	1	-	-	1	-		-	1
0010	15.5	35+65	49.7	804.59	799.89	3.70	RT	-	-	1	-	-	-	-	1	-	1
0010	15.6	35+98	52.7	804.59	800.42	3.17	RT	-	-	1	-	-	-	-	1	-	1
0010	15.4	36+00	42.7	804.50	800.18	3.32	RT	-	-	1	-	-	-	-	1	-	1
0010	16.2	36+34	23.5	805.20	801.06	3.14	RT	-	-	1	-	-	-	-	1	-	1
0010	T16.2	36+34	32.0	805.03	802.30	1.40	RT	-	1	-	-	-	-	1	-	-	1
0010	17.2	38+02	23.5	807.32	803.25	3.07	RT	-	-	1	-	-	-	-	1	-	1
0010	T17.2	38+02	32.0	807.19	804.40	1.46	RT	-	1	-	-	-	-	1	-	-	1
0010	18.5	39+60	70.3	811.18	807.00	3.18	RT	-	-	1	-	-	-	-	1	-	1
0010	18.4	39+63	60.6	810.62	806.55	3.07	RT	-	-	1	-	-	1	-	-	-	1
0010	18.3	39+66	51.0	810.05	805.60	3.45	RT	-	-	1	-	-	1	-	-	-	1
0010	18.6	39+97	70.2	810.62	807.21	2.41	RT	-	-	1	-	-	-	-	1	-	1
0010	20.4	40+59	23.5	809.50	804.84	3.66	RT	-	-	1	-	-	1	-	-	-	1
0010	20.2	40+59	40.0	808.40	804.93	3.47	RT	-	-	-	2	-	-	-	-	1	1
0010	21.0	41+02	23.5	810.04	805.85	3.19	RT	-	-	1	-	-	1	-	-	-	1
0010	21.1	41+27	23.3	810.39	806.10	3.29	RT	-	-	1	-	-	1	-	-	-	1
0010	21.2	41+52	23.0	810.71	806.76	2.95	RT	-	-	1	-	-	-	-	1	-	1
0010	21.3	41+77	22.7	811.06	806.92	3.14	RT	-	-	1	-	-	-	-	1	-	1
							STAGE 3 SUBTOTAL	0	8	29	4	2	8	6	21	2	39

(Quantities continued on the next page)

611 - INLETS (CONTINUED)

										*								*
								611.0420	611.0606	611.0624	611.0642	611.3003	611.3004	611.3220	611.3230	611.3902	650.4000
CATEGORY	STRUCTURE	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH	LOCATION	RECONSTRUCTING MANHOLES EACH	INLET COVERS TYPE B EACH	INLET COVERS TYPE H EACH	INLET COVERS TYPE MS EACH	INLETS 3-FT DIAMETER EACH	INLETS 4-FT DIAMETER EACH	INLETS 2X2-FT EACH	INLETS 2X3-FT EACH	INLETS MEDIAN 2 GRATE EACH	CONSTRUCTION STAKING STORM SEWER EACH
STAGE 4																	
0010	7.2	19+45	23.5	799.11	795.35	2.76	LT	-	-	1	-	-	-	-	1	-	1
0010	7.1	20+02	23.5	798.96	795.06	2.90	LT	-	-	1	-	-	1	-	-	-	1
0010	7.4	20+73	45.0	798.95	794.68	3.27	LT	-	-	1	-	-	-	-	1	-	1
0010	7.5	21+06	45.0	798.95	794.53	3.42	LT	-	-	1	-	-	-	-	1	-	1
0010	8.3	22+83	23.5	798.39	794.44	2.95	LT	-	-	1	-	-	1	-	-	-	1
0010	8.2	23+08	23.5	798.35	794.31	3.04	LT	-	-	1	-	-	1	-	-	-	1
0010	8.1	23+18	23.5	798.33	794.57	2.76	LT	-	-	1	-	-	1	-	-	-	1
0010	9.3	24+51	45.2	799.14	794.90	3.24	LT	-	-	1	-	-	-	-	1	-	1
0010	9.6	24+51	55.2	799.42	795.00	3.42	LT	-	-	1	-	-	-	-	1	-	1
0010	9.2	24+85	45.9	799.15	794.22	3.93	LT	-	-	1	-	-	1	-	-	-	1
0010	9.7	24+85	55.9	799.44	795.00	3.44	LT	-	-	1	-	-	-	-	1	-	1
0010	9.1	25+10	23.5	799.24	794.06	4.18	LT	-	-	1	-	-	1	-	-	-	1
0010	9.5	25+25	23.5	799.34	795.60	2.74	LT	-	-	1	-	-	-	-	1	-	1
0010	10.1	27+22	23.5	800.55	796.70	2.85	LT	-	-	1	-	-	-	-	1	-	1
0010	11.1	29+16	23.5	801.74	798.00	2.74	LT	-	-	1	-	-	-	-	1	-	1
0010	11.2	29+26	23.5	801.80	798.10	2.70	LT	-	-	1	-	-	-	-	1	-	1
0010	12.1	31+52	23.5	801.91	797.61	2.97	LT	-	1	-	-	-	1	-	-	-	1
0010	12.4	31+62	23.5	801.94	797.81	2.80	LT	-	1	-	-	-	1	-	-	-	1
0010	22.1	32+46	66.8	801.16	798.15	2.01	LT	-	-	1	-	-	-	-	1	-	1
0010	22.2	32+90	66.6	801.16	796.16	4.00	LT	-	-	1	-	-	-	-	1	-	1
0010	14.1	33+52	23.5	801.91	798.03	2.88	LT	-	-	1	-	1	-	-	-	-	1
0010	14.2	33+62	23.5	801.95	798.08	2.87	LT	-	-	1	-	1	-	-	-	-	1
0010	15.1	35+73	40.3	803.88	799.39	3.49	LT	-	-	1	-	-	1	-	-	-	1
0010	15.2	36+08	40.2	803.96	799.82	3.14	LT	-	-	1	-	-	-	-	1	-	1
0010	15.7	36+09	49.3	804.12	799.87	3.25	LT	-	-	1	-	-	-	-	1	-	1
0010	16.1	36+36	23.5	804.36	799.95	3.41	LT	-	-	1	-	-	-	-	1	-	1
0010	16.3	36+46	23.5	804.45	800.25	3.20	LT	-	-	1	-	-	-	-	1	-	1
0010	17.1	38+02	23.5	806.44	802.00	3.44	LT	-	-	1	-	-	-	-	1	-	1
0010	17.3	38+12	23.5	806.56	802.38	3.18	LT	-	-	1	-	-	-	-	1	-	1
0010	20.1	40+59	23.5	809.50	805.97	2.53	LT	-	-	1	-	-	-	-	1	-	1
0010	20.3	40+69	23.5	809.63	806.07	2.56	LT	-	-	1	-	-	-	-	1	-	1
							STAGE 4 SUBTOTAL	0	2	29	0	2	9	0	20	0	31
							TOTAL 0010	2	13	58	6	4	18	6	41	3	72

* ADDITIONAL QUANTITIES IN 611 - MANHOLES

3

611 - MANHOLES

CATEGORY	STRUCTURE	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	LOCATION	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	* 611.0624 INLET COVERS TYPE H EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2033 MANHOLES 3X3-FT EACH	611.2044 MANHOLES 4X4-FT EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
STAGE 3																
0010	7.0	21+06	14.0	799.41	793.23	4.93	RT	-	1	-	-	-	-	1	-	1
0010	8.0	23+18	14.0	798.50	792.16	5.09	RT	-	1	-	-	-	-	1	-	1
0010	9.0	25+10	14.0	799.40	791.20	6.95	RT	-	1	-	-	-	-	1	-	1
0010	10.0	27+22	14.0	800.71	790.14	9.32	RT	-	1	-	-	-	-	1	-	1
0010	23.0	28+73	14.0	801.63	788.40	11.98	RT	-	1	-	-	-	-	-	1	1
0010	11.0	29+16	14.0	801.88	793.64	6.99	RT	-	1	-	-	-	-	1	-	1
0010	12.0	31+52	14.0	802.05	794.83	5.97	RT	-	1	-	-	-	-	1	-	1
0010	13.0	32+50	14.0	802.32	795.32	5.75	RT	-	1	-	-	-	-	1	-	1
0010	14.0	33+52	14.0	802.07	796.58	4.24	RT	-	1	-	-		-	1	-	1
0010	14.3	33+52	23.5	801.91	798.15	2.76	RT	-	-	1	-	1	-	-	-	1
0010	15.0	35+68	13.0	804.29	797.89	5.15	RT	-	1	-	-	1	-	-	-	1
0010	16.0	36+34	13.0	805.02	798.51	5.26	RT	-	1	-	1	-	-	-	-	1
0010	17.0	38+02	13.5	807.15	800.06	5.84	RT	-	1	-	1	-	-	-	-	1
0010	18.2	40+00	60.5	810.05	805.42	3.63	RT	-	-	1	-	1	-	-	-	1
0010	18.1	40+05	39.9	809.39	805.20	3.19	RT	-	-	1	-	1	-	-	-	1
0010	20.0	40+59	12.0	809.70	804.78	3.67	RT	-	1	-	-	-	-	-	1	1
0010	30.0	43+25	7.6	813.37	803.98	8.14	RT	-	1	-	-	1	-	-	-	1
0010	31.0	45+71	6.4	814.80	803.24	10.31	RT	-	1	-	-	-	1	-	-	1
0010	32.0	46+52	74.9	813.83	802.92	9.66	RT	-	1	-	-	-	1	-	-	1
0010	33.0	47+82	95.2	798.00	783.35	13.40	RT	-	1	-	-	-	1	-	-	1
0010	34.0	48+52	119.1	-	782.63	-	RT	1	-	-	-	-	-	-	-	1
STAGE 4																
0010	22.0	32+51	66.7	801.23	795.56		LT	-	1	-	-	-	-	1	-	1
							TOTAL 0010	1	18	3	2	5	3	9	2	22

* ADDITIONAL QUANTITIES IN 611 - INLETS

3

614 - GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2350 MGS GUARDRAIL SHORT RADIUS LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
0010	44+93	-	47+36	LT	150	-	-	39.5	1
0010	46+75	-	47+70	RT, CTH KP	31	350	50	39.5	1
				TOTAL 0010	181	350	50	79	2

616 - FENCE AND BOULDER WALL

CATEGORY	STATION	LOCATION	616.0406 FENCE CHAIN LINK SALVAGED 6-FT LF	SPV.0090.01 SPECIAL (01. SALVAGE AND REINSTALL FIELDSTONE BOULDER WALL) LF	REMARKS
0010		LAKE MARION TRAIL	20	20	FOR STORM SEWER INSTALLATION
		TOTAL 0010	20	20	

624 - WATER

CATEGORY	LOCATION	624.0100 WATER MGAL	630.0500 SEED WATER MGAL
0010	PROJECT	258	462
	TOTAL 0010	258	462

628 - EROSION CONTROL

CATEGORY	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.6505 SOIL STABILIZER TYPE A ACRE	628.7504 TEMPORARY DITCH CHECKS LF	630.0200 SEEDING TEMPORARY LB
0010	PROJECT	4,075	4,075	12	5	3,070	12,460	1,735	1.8	140	245
0010	UNDISTRIBUTED	408	408	-	-	154	623	87	0.2	14	25
	TOTAL 0010	4,483	4,483	12	5	3,224	13,083	1,822	2.0	154	270

628 - INLET PROTECTION

CATEGORY	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	PROJECT	4	13	70
	TOTAL 0010	4	13	70

630 - FINISHING ITEMS

CATEGORY	LOCATION	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	SPV.0180.01 SPECIAL (01. TOPSOIL SPECIAL) SY
0010	PROJECT	10.2	83	225	24,842
0010	UNDISTRIBUTED	1.0	17	23	2,485
	TOTAL 0010	11.2	100	248	27,327

3

643 - TRAFFIC CONTROL 1

CATEGORY	STAGE	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II 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	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	SPV.0045.01 SPECIAL (01. TEMPORARY CROSSWALK) DAY
	PREWARN	7	-	-	-	-	-	-	28	-
0010	STAGE 2	20	2,220	200	460	920	-	1,360	-	60
0010	STAGE 3	45	5,400	450	1,800	3,600	135	3,195	-	135
0010	STAGE 4	43	4,859	430	1,806	3,612	301	3,182	-	129
0010	STAGE 5	19	2,413	190	703	1,406	-	1,387	-	57
0010	STAGE 6	15	-	-	-	-	-	150	-	-
0010	DETOUR/ROAD CLOSURE	21	-	-	252	504	-	6300	-	-
0010	WIDTH RESTRICTION	127	-	-	-	-	-	4191	-	-
0010	LAKE MARION TRAIL CLOSURE	14	-	28	56	112	-	56	-	-
0010	UNDISTRIBUTED		1,000	-	400	800	25	500	-	-
	TOTAL 0010		15,892	1,298	5,477	10,954	461	20,321	28	381

643-TRAFFIC CONTROL 2

CATEGORY	STAGE	* 638.2102 MOVING SIGNS TYPE II EACH	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	** 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH
0010	STAGE 2	5	186	186	-
0010	STAGE 3	11	198	198	-
0010	STAGE 4	18	195	195	-
0010	STAGE 5	11	191	191	-
0010	DETOUR/ROAD CLOSURE	-	-	-	147
	TOTAL 0010	45	770	770	147

* ADDITIONAL QUANTITY SHOWN IN 637 - PERMANENT TYPE II SIGNS ITEMS

** THIS WILL BE COMPLETED FOR ONE CYCLE DURING THE STAGE 3 DETOUR/ROAD CLOSURE

637 - PERMANENT TYPE II SIGNS

CATEGORY	NUMBER ON PLAN	STATION*	LOCATION	SIGN SIZE IN X IN	SIGN PLATE NUMBER	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 ** MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	1-1	5+40	LT	24 X 30	R2-1	1	-	5	-	-	1	1	
0010	1-2	6+25	RT	24 X 30	R2-1	1	-	5	-	-	1	1	
0010	1-3	6+60	LT	30 X 30	R1-1	-	-	5.18	-	-	1	1	
0010	1-4	7+10	RT	30 X 30	R1-1	-	1	5.18	-	-	1	1	
0010	1-5	9+65	RT	36 X 36	W3-5	-	1	-	9	-	1	1	
0010	1-6	10+10	LT	-	-	-	-	-	-	-	1	2	
0010	2-1	12+10	LT	72 X 24	D1-57SR	1	1	12	-	-	-	-	
0010	2-2	14+75	RT	24 X 30	R2-1	1	-	5	-	-	1	1	
0010	2-3	14+75	LT	24 X 30	R2-1	1	-	5	-	-	1	1	
0010	3-1	17+75	LT	-	-	1	-	-	-	1	-	1	
0010	3-2	20+25	LT	24 X 30	R2-1	1	-	5	-	-	1	1	
0010	3-3	20+25	RT	24 X 30	R2-1	1	-	5	-	-	1	1	
0010	3-4	20+70	LT	30 X 30	R1-1	1	-	5.18	-	-	1	1	
0010	3-5	21+05	RT	30 X 30	R1-1	1	-	5.18	-	-	1	1	
0010	3-6	21+35	RT	24 X 6	R3-9C	-	1	1	-	-	-	-	
0010	3-7	21+35	RT	24 x 36	R3-9B	-	-	6	-	-	-	-	
0010	3-8	21+35	LT	24 x 6	R3-9D	-	1	1	-	-	-	-	
0010	3-9	21+35	LT	24 x 36	R3-9B	-	-	6	-	-	-	-	
0010	3-10	21+70	RT	-	-	-	-	-	-	-	1	1	
0010	4-1	24+45	LT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	4-2	24+95	RT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	4-3	25+30	LT	-	-	-	-	-	-	-	1	1	
0010	4-4	25+70	RT	-	-	-	-	-	-	-	1	1	
0010	4-5	27+20	RT	24 x 39	J1-1	-	1	6.5	-	-	1	1	
0010	5-1	28+20	RT	24 x 6	R3-9D	-	1	1	-	-	-	-	
0010	5-2	28+20	RT	24 x 36	R3-9B	-	-	6	-	-	-	-	
0010	5-3	28+20	LT	24 x 6	R3-9C	-	1	1	-	-	-	-	
0010	5-4	28+20	LT	24 x 36	R3-9B	-	-	6	-	-	-	-	
0010	5-5	28+50	LT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	5-6	28+95	RT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	5-7	29+35	RT	24 x 30	R2-1	1	-	5	-	-	1	1	
0010	5-8	30+00	LT	24 x 30	R2-1	1	-	5	-	-	-	-	
0010	5-9	30+15	RT	36 x 36	W3-3	-	1	-	9	-	-	-	
0010	5-10	30+50	LT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	5-11	30+80	RT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	5-12	31+05	LT	24 x 36	J4-1	-	1	6	-	-	1	1	
0010	5-13	31+05	LT	-	-	-	-	-	-	1	-	1	
0010	5-14	31+25	RT	24 x 45	J13-1	-	1	7.5	-	-	1	1	
0010	5-15	32+15	RT	36 x 36	R1-1F	-	-	7.46	-	-	-	-	ATTACH TO SIGNAL POLE
0010	5-16	32+40	LT	-	-	-	-	-	-	-	1	1	
				PAGE	SUBTOTAL	18	11	159	18	2	26	29	

(QUANTITIES CONTINUED ON NEXT PAGE)

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637 - PERMANENT TYPE II SIGNS

CATEGORY	NUMBER ON PLAN	STATION*	LOCATION	SIGN SIZE IN X IN	SIGN PLATE NUMBER	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	** 638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	5-17	32+40	LT	30 x 30	R1-1F	-	-	5.18	-	-	-	-	ATTACH TO SIGNAL POLE
0010	5-18	32+40	RT	24 x 45	J13-1	-	-	7.5	-	-	1	1	ATTACH TO SIGNAL POLE
0010	5-19	32+85	RT	-	-	-	-	-	-	-	1	1	
0010	5-20	32+85	RT	30 x 30	R1-1F	-	-	5.18	-	-	-	-	ATTACH TO SIGNAL POLE
0010	5-21	32+90	LT	-	-	-	-	-	-	-	1	1	
0010	5-22	33+00	LT	-	-	-	-	-	-	-	1	1	
0010	5-23	33+30	LT	36 x 36	R1-1F	-	-	7.46	-	-	-	-	ATTACH TO SIGNAL POLE
0010	5-24	33+75	RT	24 x 36	J4-1	-	1	6	-	-	1	1	
0010	5-25	33+75	RT	-	-	-	-	-	-	1	-	1	
0010	6-1	33+85	LT	24 x 45	J13-1	-	1	7.5	-	-	-	-	
0010	6-2	35+30	LT	36 x 36	W3-3	-	1	-	9	-	1	1	
0010	6-3	35+70	LT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	6-4	36+10	RT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	6-5	36+30	RT	24 x 6	R3-9C	-	1	1	-	-	-	-	
0010	6-6	36+30	RT	24 x 36	R3-9B	-	-	6	-	-	-	-	
0010	6-7	36+35	LT	24 x 6	R3-9D	-	1	1	-	-	-	-	
0010	6-8	36+35	LT	24 x 36	R3-9B	-	-	6	-	-	-	-	
0010	6-9	37+10	RT	-	-	1	-	-	-	1	-	1	
0010	6-10	37+50	LT	24 x 30	R2-1	1	-	5	-	-	1	1	
0010	6-11	39+00	RT	24 x 30	R2-1	1	-	5	-	-	1	1	
0010	6-12	39+40	LT	24 x 39	J1-1	-	1	6.5	-	-	1	1	
0010	7-1	39+90	LT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	7-2	40+10	RT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	7-3	40+70	RT	24 x 39	J1-1	-	1	6.5	-	-	1	1	
0010	7-4	41+70	LT	-	-	1	-	-	-	1	-	1	
0010	7-5	42+05	LT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	7-6	42+60	LT	24 x 30	R2-1	1	-	5	-	-	1	1	
0010	7-7	43+25	RT	24 x 30	R2-1	1	-	5	-	-	1	1	
0010	7-8	44+70	LT	-	-	-	1	-	-	1	-	1	
0010	7-9	44+70	LT	-	-	-	-	-	-	1	-	1	
0010	8-1	45+50	RT	24 x 45	J13-1	1	-	7.5	-	-	1	1	
0010	8-2	45+55	LT	72 x 24	I2-3	1	1	12	-	-	1	1	
0010	8-3	46+25	RT	24 x 45	J13-1	1	-	7.5	-	-	1	1	
0010	8-4	46+30	RT	-	-	1	-	-	-	1	-	1	
0010	8-5	46+35	LT	48 x 24	W1-7	1	-	-	8	-	-	-	
0010	8-6	46+50	LT	24 x 45	J13-1	1	-	7.5	-	-	1	1	
0010	8-7	46+90	RT	30 x 30	R1-1	1	-	5.18	-	-	1	1	
0010	8-8	47+25	LT	36 x 48	R2-1	-	-	12	-	-	1	-	ATTACH TO LIGHT POLE
0010	8-9	47+55	RT	-	-	1	-	-	-	1	-	1	
0010	8-10	47+55	RT	-	-	1	-	-	-	1	-	1	
					TOTAL 0010	38	20	323	35	10	49	59	

*STATION LOCATION IS APPROXIMATE
** ADDITIONAL QUANTITY SHOWN IN 643-TRAFFIC CONTROL 2

646-PERMANENT PAVEMENT MARKING

CATEGORY	LOCATION		646.1020 MARKING LINE EPOXY 4-INCH LF (WHITE)	646.1020 MARKING LINE EPOXY 4-INCH LF (YELLOW, 12.5 LINES)	646.3020 MARKING LINE EPOXY 8-INCH LF (YELLOW)	646.3020 MARKING LINE EPOXY 8-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8320 MARKING PARKING STALL EPOXY LF
0010	USH 14		7164	450	11177	642	22	55	309	1,121	-
0010	REEVE RD/ WALL ST		-	-	-	-	-	-	-	126	-
0010	CROCKER ST		-	-	-	-	-	-	-	158	-
0010	SCOTT ST		-	-	-	-	-	-	-	154	-
0010	CTH Y/ BRODHEAD ST		-	-	-	-	-	46	-	218	-
0010	ELDRED ST		-	-	-	-	-	-	-	156	-
0010	CTH KP		-	-	172	-	-	32	-	-	-
	UNDISTRIBUTED		-	-	-	-	-	-	-	-	50
		SUBTOTAL	7164	450	11349	642	22	133	309	1933	50
		TOTAL 0010		18,963		642	22	133	309	1,933	50

649-TEMPORARY PAVEMENT MARKING

CATEGORY	STAGE		646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	649.0205 TEMPORARY MARKING LINE PAINT 8-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF
0010	STAGE 2		7,586	200	10	15,435	-	150	-	22
0010	STAGE 3		4,475	-	-	16,463	525	180	300	22
0010	STAGE 4		-	-	-	15,888	600	180	-	22
0010	STAGE 5		-	-	-	14,920	400	39	275	22
0010	UNDISTRIBUTED		500	-	-	-	-	-	-	-
		TOTAL 0010	12,561	200	10	62,706	1,525	549	575	88

650 - CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 5310-02-76) LS	650.9910.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 5310-02-76) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
				PROJECT	-	-	1	1	-
STAGE 2									
0010	7+25	-	20+50	LT	1,325	1,325	-	-	1,325
0010	36+10	-	45+00	LT	890	890	-	-	890
STAGE 3									
0010	6+85	-	44+00	RT	3,715	3,715	-	-	3,715
0010	44+00	-	47+56	LT & RT	356	356	-	-	356
0010				SIDE ROADS	550	550	-	-	-
STAGE 4									
0010	6+85	-	44+00	LT	3,715	3,715	-	-	3,715
0010				SIDE ROADS	357	357	-	-	-
STAGE 5									
0010	6+85	-	44+00	RT	-	-	-	-	3,715
				TOTAL 0010	10,908	10,908	1	1	13,716

652 - LOOP DETECTOR

CATEGORY	LOOP NUMBER	HOME RUN PULL BOX	STATION CENTER FRONT OF LOOP	OFFSET	SIZE LF X LF	NUMBER OF TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
0010	21	PB-13	33+18.05	12.95' L	6x20	3	94	120	198
0010	22	PB-14	34+64.99	12.72' L	6x20	3	74	230	178
0010	23	PB-13	33+30.92	1.42' L	6x20	3	98	120	202
0010	24	PB-13	33+58.92	1.37' L	6x20	3	98	120	202
0010	41	PB-10	32+59.95	50.17' L	6X14	3	82	218	162
0010	42	PB-11	32+60.30	68.17' L	6X14	3	82	223	162
0010	43	PB-10	32+49.95	50.19' L	6X14	3	62	218	142
0010	44	PB-11	32+50.30	68.19' L	6X14	3	62	223	142
0010	61	PB-7	32+12.71	13.00' R	6x20	3	75	110	179
0010	62	PB-8	30+35.72	13.04' R	6x20	3	74	265	178
0010	63	PB-7	32+12.72	1.50' R	6x20	3	97	110	201
0010	64	PB-7	31+84.72	1.50' R	6x20	3	99	110	203
0010	81	PB-2	32+65.40	36.92' R	6X18	3	87	21	183
0010	82	PB-3	32+65.00	58.92' R	6X18	3	87	26	183
0010	83	PB-2	32+73.90	37.08' R	6X18	3	71	21	167
0010	84	PB-3	32+73.50	59.07' R	6X18	3	71	26	167
						TOTAL 0010	1,313	2,161	2,849

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652- CONDUIT

CATEGORY	FROM STRUCTURE NUMBER		TO STRUCTURE NUMBER	652.0225 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010	CB-1	-	PB-1	-	19
0010	CB-1	-	PB-4	-	22
0010	PB-1	-	PB-2	9	-
0010	PB-2	-	PB-3	5	-
0010	PB-4	-	PB-5	-	118
0010	PB-4	-	PB-17	-	87
0010	PB-4	-	SB-1	13	-
0010	PB-4	-	SB-2	5	-
0010	PB-5	-	PB-6	-	68
0010	PB-5	-	SB-3	5	-
0010	PB-5	-	SB-4	6	-
0010	PB-6	-	PB-7	16	-
0010	PB-6	-	PB-9	-	115
0010	PB-6	-	SB-5	7	-
0010	PB-7	-	PB-8	156	-
0010	PB-9	-	PB-10	-	109
0010	PB-9	-	SB-6	6	-
0010	PB-9	-	SB-7	25	-
0010	PB-10	-	PB-11	9	-
0010	PB-10	-	PB-13	-	118
0010	PB-10	-	SB-8	7	-
0010	PB-10	-	SB-9	5	-
0010	PB-11	-	PB-12	5	-
0010	PB-13	-	PB-14		99
0010	PB-13	-	SB-10	11	-
0010	PB-13	-	SB-11	7	-
0010	PB-14	-	PB-15	19	-
0010	PB-14	-	PB-17	-	109
0010	PB-14	-	SB-12	21	-
0010	PB-14	-	SB-13	9	-
0010	PB-15	-	PB-16	111	-
0010	PB-17	-	SB-14	20	-
			TOTAL 0010	477	864

*ADDITIONAL QUANTITIES IN LIGHTING CONDUIT AND WIRE

653 - PULL BOXES

CATEGORY	NUMBER	STATION	OFFSET	653.0154 PULL BOXES NON-CONDUCTIVE 24X36-INCH EACH	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
0010	PB-1	32+95.36	51.75' R	-	1
0010	PB-2	32+87.74	54.73' R	1	-
0010	PB-3	32+87.50	59.73' R	1	-
0010	PB-4	32+95.36	38.27' R	-	1
0010	PB-5	32+36.90	41.66' R	-	1
0010	PB-6	32+06.17	27.26' R	-	1
0010	PB-7	31+90.44	26.89' R	1	-
0010	PB-8	30+35.41	27.00' R	1	-
0010	PB-9	31+90.12	27.97' L	-	1
0010	PB-10	32+36.57	55.89' L	-	1
0010	PB-11	32+36.59	64.76' L	1	-
0010	PB-12	32+36.67	68.48' L	1	-
0010	PB-13	32+95.43	55.02' L	-	1
0010	PB-14	33+36.73	27.65' L	-	1
0010	PB-15	33+54.97	26.89' L	1	-
0010	PB-16	34+65.28	26.90' L	1	-
0010	PB-17	33+36.73	26.62' R		1
			TOTAL 0010	8	9

654 - CONCRETE BASES

CATEGORY	NUMBER	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
0010	CB-1	32+95.40*	45.61' R*	-	-	1
0010	SB-1	32+85.82	47.03' R	1	-	-
0010	SB-2	32+90.71	36.84' R	1	-	-
0010	SB-3	32+37.48	46.32' R	-	1	-
0010	SB-4	32+36.04	36.68' R	1	-	-
0010	SB-5	32+13.01	27.50' R	1	-	-
0010	SB-6	31+84.04	28.07' L	-	1	-
0010	SB-7	32+12.88	36.02' L	1	-	-
0010	SB-8	32+34.10	49.90' L	1	-	-
0010	SB-9	32+37.93	60.18' L	1	-	-
0010	SB-10	32+91.67	64.60' L	-	1	-
0010	SB-11	32+99.04	49.57' L	1	-	-
0010	SB-12	33+16.80	31.49' L	1	-	-
0010	SB-13	33+28.07	28.40' L	1	-	-
0010	SB-14	33+16.79	27.50' R	-	1	-
			TOTAL 0010	10	4	1

* CENTER OF CABINET

655 - TRAFFIC SIGNAL CABLE

CATEGORY	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF
0010	CABINET	SB-1	-	16	-	-
0010	SB-1	HEAD 7	13	-	-	-
0010	SB-1	HEAD 12	13	-	-	-
0010	CABINET	SB-2	13	-	-	-
0010	SB-2	HEAD 96	10	-	-	-
0010	CABINET	SB-3	65	-	-	65
0010	SB-3	HEAD 11	30	-	-	-
0010	SB-3	SB-6	-	-	-	102
0010	CABINET	SB-4	66	-	-	-
0010	SB-4	HEAD 95	10	-	-	-
0010	CABINET	SB-5	-	-	101	-
0010	SB-5	HEAD 1	13	-	-	-
0010	SB-5	HEAD 6	13	-	-	-
0010	SB-5	HEAD 94	13	-	-	-
0010	CABINET	SB-6	158	-	-	-
0010	SB-6	HEAD 5	45	-	-	-
0010	CABINET	SB-7	176	-	-	-
0010	SB-7	HEAD 93	10	-	-	-
0010	CABINET	SB-8	216	-	-	-
0010	SB-8	HEAD 92	10	-	-	-
0010	CABINET	SB-9	-	214	-	-
0010	SB-9	HEAD 9	13	-	-	-
0010	SB-9	HEAD 10	13	-	-	-
0010	CABINET	SB-10	161	-	-	-
0010	SB-10	HEAD 8	30	-	-	-
0010	CABINET	SB-11	157	-	-	-
0010	SB-11	HEAD 91	10	-	-	-
0010	CABINET	SB-12	122	-	-	-
0010	SB-12	HEAD 98	10	-	-	-
0010	CABINET	SB-13	-	110	-	-
0010	SB-13	HEAD 3	13	-	-	-
0010	SB-13	HEAD 4	13	-	-	-
0010	CABINET	SB-14	-	67	-	67
0010	SB-14	SB-10	-	-	-	134
0010	SB-14	HEAD 2	45	-	-	-
0010	SB-14	HEAD 97	45	-	-	-
		TOTAL 0010	1,506	407	101	368

NOTE: THE CABLE DISTANCES ARE NOT MULTIPLIED BY THE NUMBER OF CONDUCTORS

655 - TRAFFIC SIGNAL WIRING

CATEGORY	FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG (GREEN) LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG (WHITE) LF
0010	CABINET	SB-1	16	16
0010	SB-1	SB-3	73	73
0010	SB-3	SB-4	10	10
0010	SB-4	SB-5	46	46
0010	SB-5	SB-6	71	71
0010	SB-6	SB-7	31	31
0010	SB-7	SB-8	85	85
0010	SB-8	SB-9	12	12
0010	SB-9	SB-10	74	74
0010	SB-10	SB-11	17	17
0010	SB-11	SB-12	77	77
0010	SB-12	SB-13	29	29
0010	SB-13	SB-14	83	83
0010	SB-14	SB-2	68	68
0010	SB-2	CABINET	11	11
0010	PB-1	SB-1	12	-
0010	PB-4	SB-2	7	-
0010	PB-5	SB-3	5	-
0010	PB-5	SB-4	6	-
0010	PB-6	SB-5	7	-
0010	PB-9	SB-6	6	-
0010	PB-9	SB-7	25	-
0010	PB-10	SB-8	7	-
0010	PB-10	SB-9	5	-
0010	PB-13	SB-10	11	-
0010	PB-13	SB-11	7	-
0010	PB-14	SB-12	21	-
0010	PB-14	SB-13	9	-
0010	PB-17	SB-14	20	-
0010		SUBTOTAL	851	703
		TOTAL 0010	1,554	

657 - TRAFFIC SIGNALS 1

CATEGORY	NUMBER	657.0100 PEDESTAL BASES EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0315 POLES TYPE 4 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0810 LUMINAIRE ARMS STEEL 10-FT EACH
0010	SB-1	1	-	-	-	1	-	-	-
0010	SB-2	1	-	-	-	-	1	-	-
0010	SB-3	-	1	-	1	-	-	-	1
0010	SB-4	1	-	-	-	-	1	-	-
0010	SB-5	1	-	-	-	1	-	-	-
0010	SB-6	-	1	1	-	-	-	1	1
0010	SB-7	1	-	-	-	-	1	-	-
0010	SB-8	1	-	-	-	-	1	-	-
0010	SB-9	1	-	-	-	1	-	-	-
0010	SB-10	-	1	-	1	-	-	-	1
0010	SB-11	1	-	-	-	-	1	-	-
0010	SB-12	1	-	-	-	-	1	-	-
0010	SB-13	1	-	-	-	1	-	-	-
0010	SB-14	-	1	1	-	-	-	1	1
	TOTAL 0010	10	4	2	2	4	6	2	4

* ADDITIONAL QUANTITIES IN 659 - LIGHTING

658 - TRAFFIC SIGNALS 2

CATEGORY	BASE NUMBER	SIGNAL HEAD NUMBER	LOCATION	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	658.5069.01 SIGNAL MOUNTING HARDWARE (LOCATION) (01. USH 14 & CTH Y) LS
0010			USH 14 & CTH Y INTERSECTION	-	-	-	1
0010	SB-1	7		1	-	-	-
0010		12		1	-	-	-
0010	SB-2	96		-	1	1	-
0010	SB-3	11		1	-	-	-
0010	SB-4	95		-	1	1	-
0010	SB-5	1		1	-	-	-
0010		6		1	-	-	-
0010		94		-	1	1	-
0010	SB-6	5		1	-	-	-
0010	SB-7	93		-	1	1	-
0010	SB-8	92		-	1	1	-
0010	SB-9	9		1	-	-	-
0010		10		1	-	-	-
0010	SB-10	8		1	-	-	-
0010	SB-11	91		-	1	1	-
0010	SB-12	98		-	1	1	-
0010	SB-13	3		1	-	-	-
0010		4		1	-	-	-
0010	SB-14	2		1	-	-	-
0010		97		-	1	1	-
			TOTAL 0010	12	8	8	1

690 - SAWING

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	6+85	USH 14, BEGIN PROJECT	155	20	
0010		SIDE ROADS	439	55	
0010		DRIVEWAYS/PARKING LOT	1,008	174	
0010	47+57	BRIDGE APPROACH	-	93	
0010		SIDEWALK	-	20	
0010		USH 14	13384	3390	FOR CONSTRUCTION STAGING
0010		LAKE MARION TRAIL	18	-	FOR STORM SEWER INSTALLATION
		TOTAL 0010	15,004	3,752	

SPV - STORM SEWER TAP

SPV.0060.01

CATEGORY	STATION	LOCATION	SPECIAL (01. STORM SEWER TAP) EACH
0010	22+77	LT	1
0010	25+13	LT	1
0010	33+80	RT	1
		TOTAL 0010	3

SPV - MANAGE CONTAMINATION

CATEGORY	STATION	LOCATION	SPV.0105.01 SPECIAL (01. MANAGEMENT OF CONTAMINATED GROUNDWATER) LS	SPV.0195.01 SPECIAL (01. EXCAVATING, HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL) TON	REMARKS
0010		PROJECT	1	10	SEE SPECIAL PROVISIONS
		TOTAL 0010	1	10	

SPV - UTILITY ADJUSTMENTS

CATEGORY	STATION*	LOCATION	SPV.0060.02 SPECIAL (02. ADJUSTING WATER MAIN VALVE BOX) EACH	SPV.0060.03 SPECIAL (03.ADJUSTING SANITARY MANHOLES) EACH
0030	14+00	LT	1	-
0030	26+55	RT	-	1
0030	32+68	LT & RT	-	2
0030	32+78	LT & RT	2	-
0030	35+78	RT	1	-
0030	35+90	RT	-	1
0030	39+95	RT	4	-
		TOTAL 0030	8	4

* LOCATIONS ARE APPROXIMATE

LIGHTING BASES, POLES, ARMS, FIXTURES AND WIRE

State Project No. 5310-02-76

LIGHT NUMBER	STATION	OFFSET	R/L	654.0106 CONCRETE BASES TYPE 6 EACH	* 657.0255 TRANSFORMER BASE BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6 ALUMINUM EACH	657.0605 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 4-FT EACH	659.1125 LUMINAIRE UTILITY LED C 160 WATT EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0020										
SL 101	08+20.7	29.0'	LT	1	1	1	1	1	126	
SL 102	09+57.5	30.1'	LT	1	1	1	1	1	126	
SL 103	10+93.8	28.8'	LT	1	1	1	1	1	126	
SL 104	12+30.2	23.2'	LT	1	1	1	1	1	126	
SL 105	13+66.8	21.0'	LT	1	1	1	1	1	126	
SL 106	15+03.6	21.0'	LT	1	1	1	1	1	126	
SL 107	16+35.5	21.0'	LT	1	1	1	1	1	126	
SL 108	17+75.5	24.8'	LT	1	1	1	1	1	126	
SL 109	19+13.4	27.0'	LT	1	1	1	1	1	126	
SL 110	20+36.9	27.0'	LT	1	1	1	1	1	126	
SL 111	21+35.6	27.0'	LT	1	1	1	1	1	126	
SL 112	22+45.6	27.0'	LT	1	1	1	1	1	126	
SL 113	23+65.6	27.0'	LT	1	1	1	1	1	126	
SL 114	24+37.7	27.7'	LT	1	1	1	1	1	126	
SL 115	25+31.1	27.0'	LT	1	1	1	1	1	126	
SL 116	26+80.0	27.0'	LT	1	1	1	1	1	126	
SL 117	28+25.6	27.0'	LT	1	1	1	1	1	126	
SL 118	29+18.5	27.0'	LT	1	1	1	1	1	126	
SL 119	30+13.5	27.0'	LT	1	1	1	1	1	126	
SL 120	31+13.5	27.0'	LT	1	1	1	1	1	126	
SL 121	34+22.8	27.0'	LT	1	1	1	1	1	126	
SL 122	35+42.2	27.0'	LT	1	1	1	1	1	126	
SL 123	36+50.4	27.0'	LT	1	1	1	1	1	126	
SL 124	37+62.6	27.0'	LT	1	1	1	1	1	126	
SL 125	38+70.7	27.0'	LT	1	1	1	1	1	126	
SL 126	39+76.7	27.0'	LT	1	1	1	1	1	126	
SL 127	40+67.8	27.0'	LT	1	1	1	1	1	126	
SL 128	42+04.7	27.0'	LT	1	1	1	1	1	126	
SL 129	43+41.6	27.0'	LT	1	1	1	1	1	126	
SL 130	44+78.5	27.0'	LT	1	1	1	1	1	126	
SL 131	46+15.5	27.0'	LT	1	1	1	1	1	126	
SL 132	47+38.8	27.0'	LT	1	1	1	1	1	126	
TOTALS				**32**	**32**	**32**	**32**	**32**	**4032**	

* ADDITIONAL QUANTITIES ARE IN 657 - TRAFFIC SIGNALS 1

HIGHWAY LIGHTING
USH 14 (E COMMERCIAL ST.)
CITY OF MAZOMANIE
DANE COUNTY

DESIGN: FORSTER ELECTRICAL ENGINEERING

DATE: 2020-07-14 REV: 1

LIGHTING CONDUIT AND WIRE

State Project No. 5310-02-76

FROM	-	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCH. 40 2-INCH LF	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG LF	REMARKS
ALL ITEMS ARE CATEGORY 0020					
CB 100	-	SL 110	50	220	
SL 110	-	SL 109	124	516	
SL 109	-	SL 108	138	572	
SL 108	-	SL 107	143	592	
SL 107	-	SL 106	133	552	
SL 106	-	SL 105	138	572	
SL 105	-	SL 104	138	572	
SL 104	-	SL 103	138	572	
SL 103	-	SL 102	138	572	
SL 102	-	SL 101	138	429	
CB 100	-	SL 111	106	444	
SL 111	-	SL 112	110	460	
SL 112	-	SL 113	120	500	
SL 113	-	SL 114	72	308	
SL 114	-	SL 115	95	400	
SL 115	-	SL 116	149	616	
SL 116	-	SL 117	146	604	
SL 117	-	SL 118	93	392	
SL 118	-	SL 119	95	400	
SL 119	-	SL 120	102	321	
CB 200	-	SL 122	90	380	
SL 122	-	SL 121	121	378	
CB 200	-	SL 123	38	172	
SL 123	-	SL 124	110	460	
SL 124	-	SL 125	106	444	
SL 125	-	SL 126	106	444	
SL 126	-	SL 127	92	388	
SL 127	-	SL 128	138	572	
SL 128	-	SL 129	138	572	
SL 129	-	SL 130	138	572	
SL 130	-	SL 131	138	572	
SL 131	-	SL 132	126	393	
SUB-TOTALS			**3707**	**14961**	

* ADDITIONAL QUANTITIES IN 652 - CONDUIT

LIGHTING CONTROL

State Project No. 5310-02-76

CABINET NUMBER	STATION	OFFSET	R/L	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	659.2130 LIGHTING CONTROL CABINET 120/240 30-inch EACH	656.0400.01 (STA. 20+58.6) & 656.0400.02 (STA. 36+24.1) ELEC. SERVICE MAIN LUGS ONLY METER PEDESTAL LS	REMARKS
ALL ITEMS ARE CATEGORY 0020							
CB 100	20+58.6	58.9	LT	1	1	1	Utility to provide 120/208 volt 1 phase service. Contractor to provide fifth terminal in this meter socket.
CB 200	36+24.1	41.1	LT	1	1	1	Utility to provide 120/240 volt 1 phase service.
SHEET TOTALS				2	2	2	

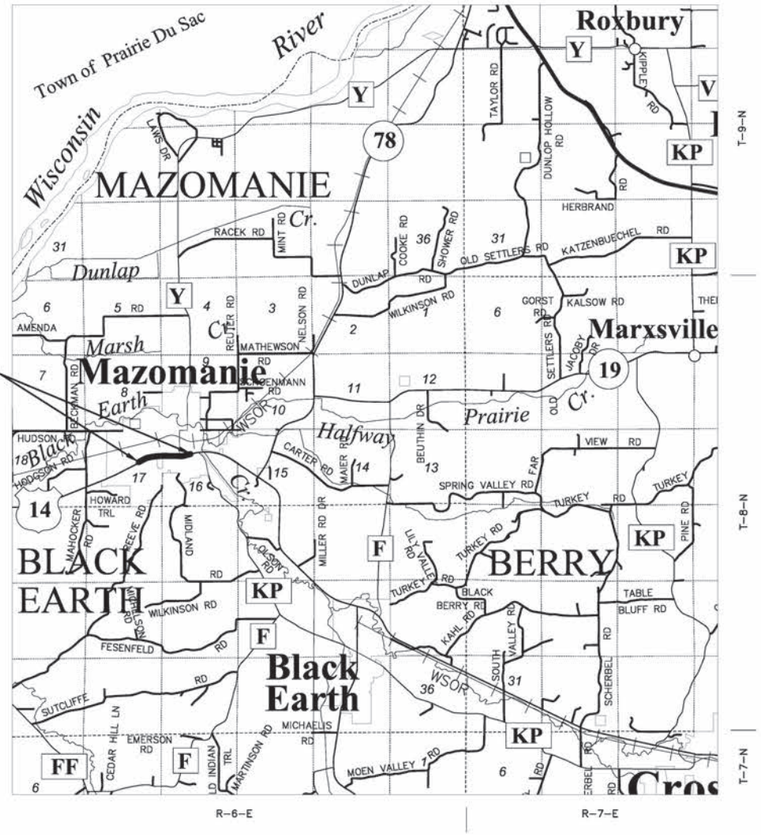
HIGHWAY LIGHTING
USH 14 (E COMMERCIAL ST.)
CITY OF MAZOMANIE
DANE COUNTY

DESIGN: FORSTER ELECTRICAL ENGINEERING

DATE: 2020-07-14 REV: 1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5310-02-21
USH 14 (COMMERCIAL STREET), VILLAGE OF MAZOMANIE
WALTER ROAD TO CTH KP

USH 14
DANE COUNTY



PROJECT LOCATION

LAYOUT
SCALE 0 1.0 MI.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	✖	⌗

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

PARCEL NUMBER (25) UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF CURVATURE	PC
ACRES	AC	POINT OF COMPOUND CURVE	PCC
AHEAD	AH	POINT OF INTERSECTION	PI
ALUMINUM	ALUM	PROPERTY LINE	PL
AND OTHERS	ET AL	RECORDED AS	(100')
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
BEGIN PROJECT	BP	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5310-02-21.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

USH 14: PREVIOUS DIVISION JOB NO. 1435, WICK ADDITION, ALFRED SENIER'S ADDITION, ALFRED SENIER'S SECOND ADDITION, IRON HORSE CENTER CONDOMINIUM, CSM #2700, CSM #2786, CSM #4156, CSM #11174, CSM #12049 AND CSM #13502.

WALTER ROAD: CSM #5794 AND CSM #13502
WALL STREET: WICK ADDITION
REEVE ROAD, CROCKER STREET, SCOTT STREET, BRODHEAD STREET AND ELDRED STREET: ALFRED SENIER'S ADDITION AND ALFRED SENIER'S SECOND ADDITION,

PROJECT NUMBER 5310-02-21 - 4.01
SHEET 2 OF 2
AMENDMENT NO.

FILE NAME : P:\90S\93\00093155\CADD\C3D\53100206\RW\5310-02-21_USH 14_TPP.DWG
APPRAISAL PLAT DATE : 06/24/19
PLOT DATE : 12/14/2012 7:46 PM
PLOT BY : BRAD TISDALE
PLOT NAME : ----------
5310-02-21 4.01

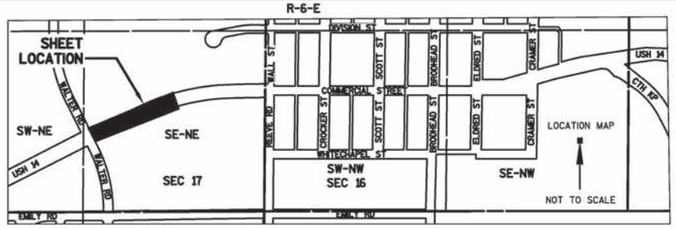
TRANSPORTATION PROJECT PLAT NO: 5310-02-21 - 4.01

PART OF THE SW 1/4 OF THE NE 1/4 AND SE 1/4 OF THE NE 1/4 OF SECTION 17, T8N, R6E, VILLAGE OF MAZOMANIE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14, COMMERCIAL STREET, VILLAGE OF MAZOMANIE, (WALTER ROAD TO CTH KP)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



SCHEDULE OF LANDS & INTERESTS REQUIRED

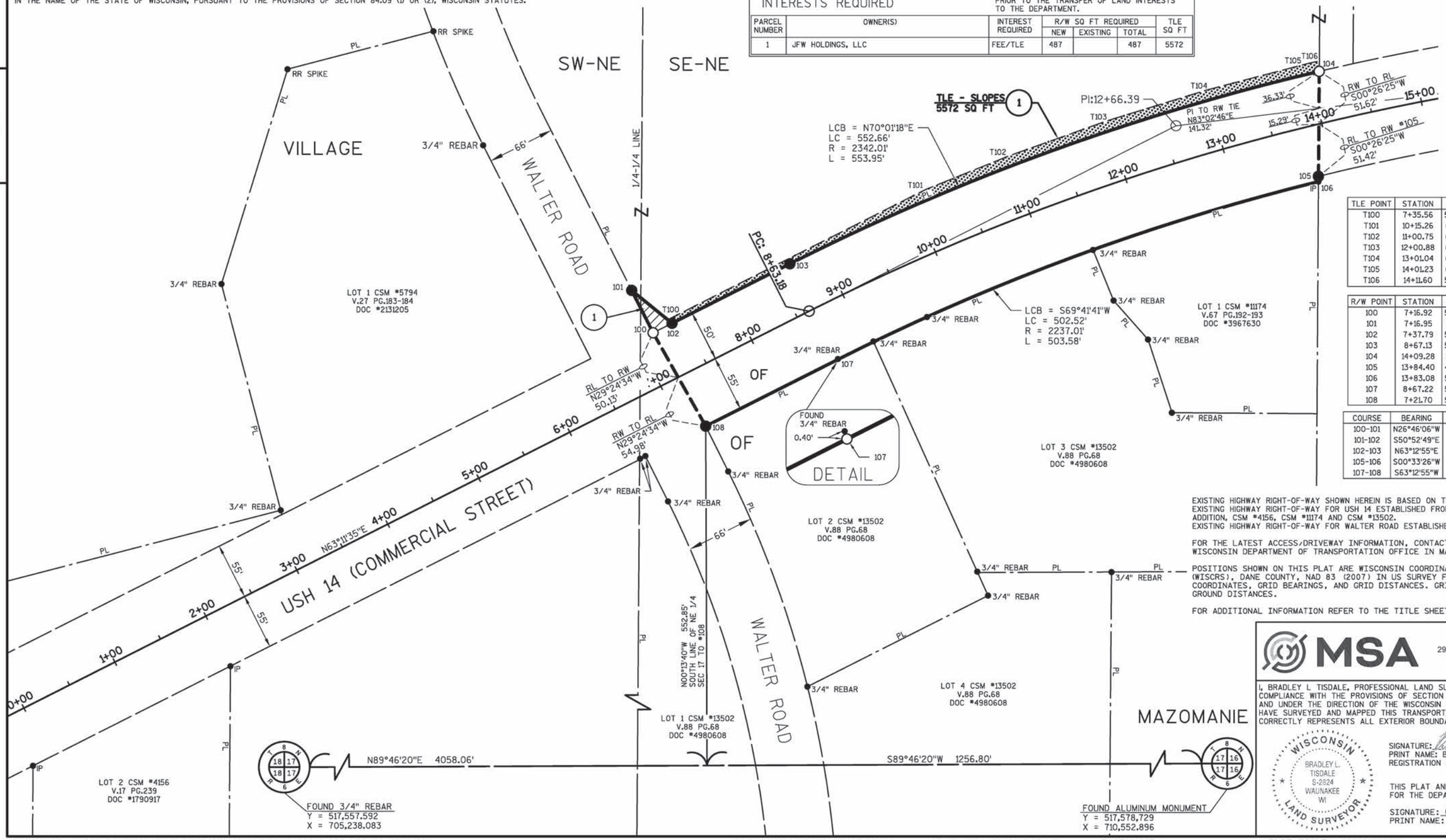
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ FT REQUIRED			TLE SQ FT
			NEW	EXISTING	TOTAL	
1	JFW HOLDINGS, LLC	FEE/TLE	487		487	5572

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5502969
07/10/2019 09:49 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-21 - 4.01
SHEET 1 OF 2
AMENDMENT NO.



TLE POINT	STATION	OFFSET
T100	7+35.56	55.06' L
T101	10+15.26	62.12' L
T102	11+00.75	60.15' L
T103	12+00.88	60.17' L
T104	13+01.04	60.16' L
T105	14+01.23	60.13' L
T106	14+11.60	59.92' L

R/W POINT	STATION	OFFSET
100	7+16.92	50.08' L
101	7+16.95	96.71 L
102	7+37.79	50.07' L
103	8+67.13	50.02' L
104	14+09.28	50.13' L
105	13+84.40	49.86' R
106	13+83.08	54.86' R
107	8+67.22	54.98' R
108	7+21.70	54.92' R

COURSE	BEARING	DISTANCE
100-101	N26°46'06"W	46.63'
101-102	S50°52'49"E	51.08'
102-103	N63°12'55"E	129.43'
105-106	S00°33'26"W	5.16'
107-108	S63°12'55"W	145.43'

ALIGNMENT INFORMATION

BP = STA 0+00
Y = 708,625.122
X = 517,820.125

PI = STA 12+66.39
Y = 709,755.418
X = 518,391.250
Δ = 19°51'11" RT
D = 2°29'12"
T = 403.22'
L = 798.35'
R = 2304.04'
LC = 794.36'
LCB = N73°07'10"E
PC = 8+63.18
PCC = 16+61.53

PI = STA 17+21.38
Y = 710,215.081
X = 518,447.315

GN

0 50 100
SCALE, FEET

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM PREVIOUS DIVISION JOB NO. 1435, WICK ADDITION, CSM #4156, CSM #11174 AND CSM #13502.
EXISTING HIGHWAY RIGHT-OF-WAY FOR WALTER ROAD ESTABLISHED FROM CSM #5794 AND CSM #13502.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.

MSA
TRANSPORTATION • MUNICIPAL
DEVELOPMENT • ENVIRONMENTAL
2901 International Lane Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com
© MSA Professional Services, Inc.

I, BRADLEY L TISDALE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 06/24/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SIGNATURE: Cory Schlagel DATE: 7/9/2019
PRINT NAME: CORY SCHLAGEL

FILE NAME : P:\90S\93\00093155\CADD\C3D\53100206\RW\5310-02-21_USH 14_TPP.DWG
APPRAISAL PLAT DATE : 06/24/19
PLOT DATE : 6/22/2019 8:27 AM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : **********

5310-02-21 4.01

TRANSPORTATION PROJECT PLAT NO: 5310-02-21 - 4.02

PART OF LOTS 1 AND 2 OF CSM 12049, PART OF LOT 1 CSM 2700 LOCATED IN AND INCLUDING THE SE 1/4 OF THE NE 1/4 OF SECTION 17, T8N, R6E, VILLAGE OF MAZOMANIE, DANE COUNTY, WISCONSIN. ALSO PART OF LOTS 8, 16, 24 AND 33 OF ALFRED SENIER'S ADDITION TO MAZOMANIE AND PART OF LOTS 114, 130 AND 138 OF ALFRED SENIER'S SECOND ADDITION TO MAZOMANIE AND PART OF IRON HORSE CENTER, CONDOMINIUM PLAT LOCATED IN THE SW 1/4 OF THE NW 1/4, SECTION 16, T8N, R6E, VILLAGE OF MAZOMANIE, DANE COUNTY, WISCONSIN. ALSO PART OF THE SE 1/4 OF THE NE 1/4 OF SECTION 17, T8N, R6E, TOWN OF MAZOMANIE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER USH 14, COMMERCIAL STREET, VILLAGE OF MAZOMANIE, (WALTER ROAD TO CTH KP)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM PREVIOUS DIVISION JOB NO. 1435, WICK ADDITION, ALFRED SENIER'S ADDITION, ALFRED SENIER'S SECOND ADDITION, IRON HORSE CENTER CONDOMINIUM, CSM #2700 AND CSM #12049.
EXISTING HIGHWAY RIGHT-OF-WAY FOR WALL STREET ESTABLISHED FROM WICK ADDITION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CROCKER STREET, SCOTT STREET AND REEVE ROAD ESTABLISHED ALFRED SENIER'S ADDITION AND ALFRED SENIER'S SECOND ADDITION.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #5502969.

GN

0 50 100

SCALE, FEET

FOUND ALUMINUM MONUMENT
Y = 520,220.358
X = 710,574.727

TLE POINT	STATION	OFFSET	TLE POINT		
T106	14+11.60	59.92' L	T219	26+55.00	40.00' L
T200	15+01.77	60.07' L	T220	26+75.08	40.00' L
T201	16+01.73	60.00' L	T221	27+80.72	40.00' L
T202	17+00.72	60.35' L	T222	27+80.72	45.00' L
T203	17+87.71	64.20' L	T223	28+25.02	45.00' L
T204	17+87.82	54.40' L	T224	28+23.94	43.00' R
T205	21+11.18	49.89' L	T225	26+73.92	43.00' R
T206	21+27.06	40.00' L	T226	26+53.99	40.00' R
T207	22+49.95	40.00' L	T227	25+03.97	40.00' R
T208	22+50.03	45.00' L	T228	24+23.92	41.00' R
T209	22+55.03	45.00' L	T229	22+73.99	41.00' R
T210	22+75.06	45.00' L	T230	22+54.02	40.00' R
T211	22+85.64	45.00' L	T231	21+14.89	40.00' R
T212	22+85.64	40.00' L	T232	21+04.01	46.43' R
T213	23+20.93	40.00' L	T233	20+65.77	46.33' R
T214	23+20.93	45.00' L	T234	19+15.77	46.17' R
T215	23+65.85	45.00' L	T235	17+57.84	52.61' R
T216	23+65.85	40.00' L	T236	16+04.75	54.94' R
T217	24+25.00	40.00' L	T237	13+93.68	54.72' R
T218	25+05.03	40.00' L	T238	13+94.91	49.87' R

R/W POINT	STATION	OFFSET
104	14+09.28	50.13' L
105	13+84.40	49.86' R
200	19+36.96	58.89' L
201	20+55.11	58.69' L
202	21+05.17	65.00' L
203	21+11.17	65.00' L
204	21+11.18	44.00' L
205	21+25.61	35.00' L
206	22+54.86	35.00' L
207	22+74.88	35.00' L
208	24+24.88	35.00' L
209	25+04.90	35.00' L
210	26+54.90	35.00' L
211	26+74.99	35.00' L
212	28+24.90	35.00' L
213	29+04.91	35.00' L
214	29+04.13	35.00' R
215	28+24.11	35.00' R
216	26+74.11	35.00' R
217	26+54.08	35.00' R
218	25+04.10	35.00' R
219	24+24.07	35.00' R
220	22+74.10	35.00' R
221	22+54.10	35.00' R
222	21+19.38	35.00' R
223	21+04.04	44.09' R
224	20+65.82	41.33' R
225	19+36.79	41.11' R

ALIGNMENT INFORMATION

PI = STA 12+66.39
Y = 709,755.418
X = 518,391.250
Δ = 19°51'11" RT
D = 2°29'12"
T = 403.22'
L = 798.35'
R = 2304.04'
LC = 794.36'
LCB = N73°07'10"E
PC = 8+63.18
PCC = 16+61.53

DA = N83°02'46"E
DB = S63°11'35"W

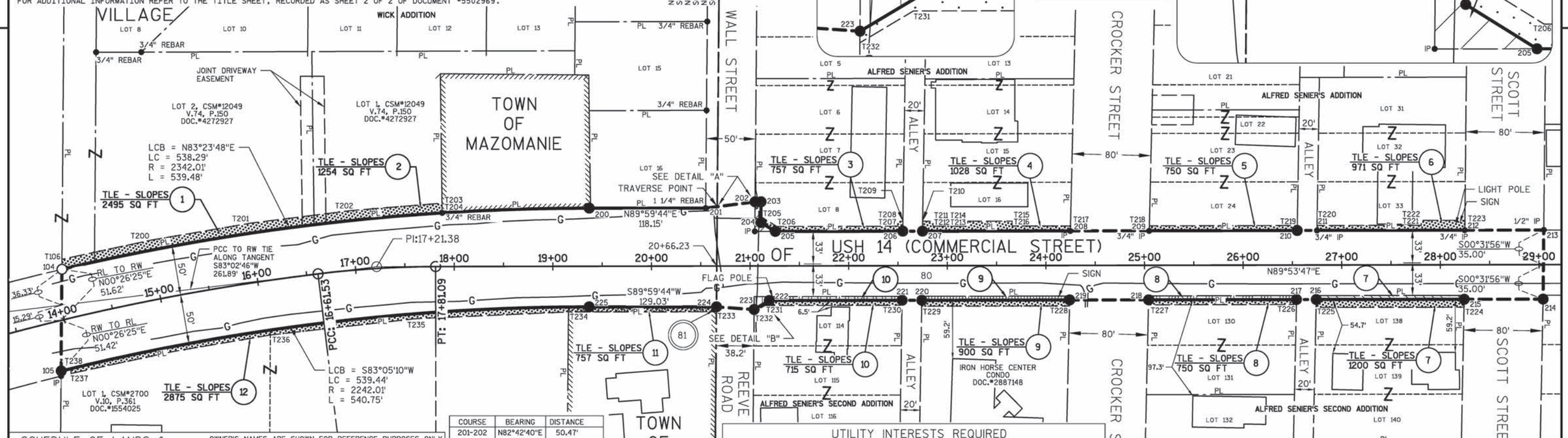
PI = STA 17+21.38
Y = 710,215.081
X = 518,447.315
Δ = 6°51'01" RT
D = 5°43'46"
T = 59.85'
L = 119.56'
R = 1000.00'
LC = 119.49'
LCB = N86°28'16"E
PCC = 16+61.53
PT = 17+81.09

PI = STA 36+64.48
Y = 712,158.322
X = 518,450.828

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5505805
07/22/2019 11:47 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-21 - 4.02
AMENDMENT NO.



SCHEDULE OF LANDS & INTERESTS REQUIRED

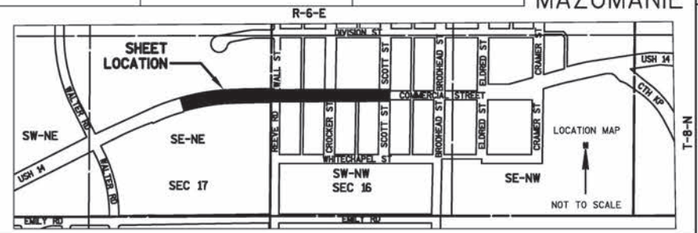
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
1	JFW HOLDINGS, LLC	TLE	--	--	--	2495
2	DANE COUNTY DISTRICT #1 EMS BOARD	TLE	--	--	--	1254
3	THE PEOPLES STATE BANK OF MAZOMANIE	FEE/TLE	250	--	250	757
4	SHIVSATYA, LLC	TLE	--	--	--	1028
5	FRITEL INVESTMENTS, LLC	TLE	--	--	--	750
6	JOY A. NELSON	TLE	--	--	--	971
7	RYAN BERRY	FEE/TLE	600	--	600	1200
8	DOYLE BUSINESS CENTER, LLC	FEE/TLE	600	--	600	750
9	IRONHORSE CONDOMINIUM OWNER'S ASSOCIATION, INC.	FEE/TLE	600	--	600	900
10	DAVID D. DARROW AND DELORES R. DARROW	FEE/TLE	669	--	669	715
11	THE JACK BURNS IRREVOCABLE TRUST, JAN RUHLAND, TRUSTEE	TLE	--	--	--	757
12	ZAUNER PROPERTIES, LLC	TLE	--	--	--	2875

COURSE	BEARING	DISTANCE
201-202	N82°42'40"E	50.47'
202-203	N89°53'47"E	6.00'
203-204	S00°07'43"E	21.00'
204-205	S58°08'17"E	17.00'
205-206	N89°53'47"E	129.26'
206-207	N89°53'47"E	20.02'
207-208	N89°53'47"E	150.00'
208-209	N89°53'47"E	80.03' (80')
209-210	N89°53'47"E	150.00'
210-211	N89°53'47"E	20.09'
211-212	N89°53'47"E	149.91' (150')
212-213	N89°53'47"E	80.00'
214-215	S89°53'47"W	80.02'
215-216	S89°53'47"W	150.00'
216-217	S89°53'47"W	20.02'
217-218	S89°53'47"W	149.98'
218-219	S89°53'47"W	80.02'
219-220	S89°53'47"W	149.97'
220-221	S89°53'47"W	20.00'
221-222	S89°53'47"W	134.72'
222-223	S59°15'35"W	17.83'
223-224	N85°58'38"W	38.32'

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	UTILITY INTEREST REQUIRED
80	MG&E - GAS	3 - NO EASEMENT OF RECORD 10 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
81	VILLAGE OF MAZOMANIE	18 - DOC #2090845	RELEASE OF RIGHTS



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I, BRADLEY L TISDALE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 07/14/19

PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 7/18/2019

PRINT NAME: CORY SCHLAGEL

TRANSPORTATION PROJECT PLAT NO: 5310-02-21 - 4.03

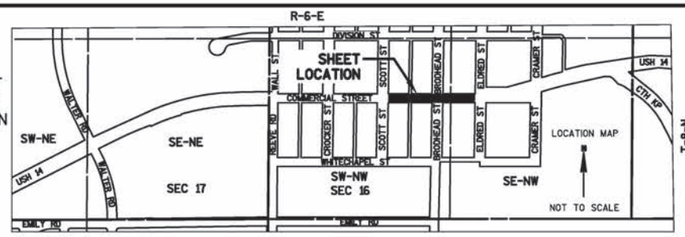
PART OF LOT 2 OF CSM 2786, PART OF LOTS 41 AND 49 OF ALFRED SENIER'S ADDITION TO MAZOMANIE, PART OF LOTS 146 AND 154 OF ALFRED SENIER'S SECOND ADDITION TO MAZOMANIE LOCATED IN THE SW 1/4 OF THE NW 1/4; PART OF LOT 57 OF ALFRED SENIER'S ADDITION TO MAZOMANIE AND PART OF LOT 162 ALFRED SENIER'S SECOND ADDITION TO MAZOMANIE LOCATED IN THE SW 1/4 OF THE NW 1/4 AND THE SE 1/4 OF THE NW 1/4; PART OF LOT 65 OF ALFRED SENIER'S ADDITION TO MAZOMANIE AND PART OF LOT 170 OF ALFRED SENIER'S SECOND ADDITION TO MAZOMANIE LOCATED IN THE SE 1/4 OF THE NW 1/4 ALL BEING LOCATED IN SECTION 16, T8N, R6E, VILLAGE OF MAZOMANIE, DANE COUNTY, WISCONSIN.

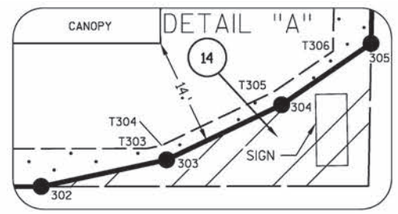
RELOCATION ORDER USH 14, COMMERCIAL STREET, VILLAGE OF MAZOMANIE, (WALTER ROAD TO CTH KP)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14 ESTABLISHED FROM PREVIOUS DIVISION JOB NO. 1435, ALFRED SENIER'S ADDITION, ALFRED SENIER'S SECOND ADDITION AND CSM #2786.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SCOTT STREET, BRODHEAD STREET AND ELDRED STREET ESTABLISHED ALFRED SENIER'S ADDITION AND ALFRED SENIER'S SECOND ADDITION.





KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5505806
07/22/2019 11:47 AM
Trans Fee: Exempt #:
Rec. Fee: 25.00
Pages:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5310-02-21 - 4.03
AMENDMENT NO.

ALIGNMENT INFORMATION

DB = N89°53'47"E

PI = STA 36+64.48
Y = 712,158.322
X = 518,450.828
Δ = 16°04'25" LT
D = 3°59'59"
T = 202.26'
L = 401.87'
R = 1432.49'
LC = 400.55'
LCB = N81°51'35"E
PC = 34+62.22
PT = 38+64.09

DA = N73°49'22"E

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #5502969.

GN

0 50 100
SCALE, FEET

FOUND ALUMINUM MONUMENT
Y = 520,220.358
X = 710,574.727

N89°52'17"E 1462.36'

N89°52'17"E 2658.07'

S89°52'17"W 1195.71'

FOUND ALUMINUM MONUMENT
Y = 520,226.322
X = 713,232.792

S00°07'43"E 1735.44' TO #313
NORTH LINE OF SEC 16

SW-NW

SE-NW

VILLAGE OF MAZOMANIE

SCOTT STREET

BRODHEAD STREET

ELDRED STREET

CRAMER STREET

ALLEY

ALFRED SENIER'S ADDITION

LOT 1 CSM #2786 V.11, PG.98 DOC#1567891

LOT 2 CSM #2786 V.11, PG.98 DOC#1567891

LOT 1 CSM #10541 V.62, PG.214 DOC#3555371

ALFRED SENIER'S SECOND ADDITION

1/4-1/4 LINE

TLE - SLOPES 751 SQ FT

TLE - SLOPES 749 SQ FT

TLE - SLOPES 851 SQ FT

TLE - SLOPES 670 SQ FT

TLE - SLOPES 462 SQ FT

TLE - SLOPES 620 SQ FT

TLE - SLOPES 775 SQ FT

TLE - SLOPES 902 SQ FT

TLE - SLOPES 643 SQ FT

TLE - SLOPES 504 SQ FT

TLE - SLOPES 868 SQ FT

TLE - SLOPES 557 SQ FT

308 SQ FT

PLAT OF SURVEY WALKER 04/08/08

PLAT OF SURVEY BIRRENKOTT 04/29/93

SEE DETAIL "A"

SEE DETAIL "B"

SEE DETAIL "C"

SEE DETAIL "D"

SEE DETAIL "E"

PC: 34+62.22

PI: 38+64.09

PI:36+64.48

USH 14 (COMMERCIAL STREET)

#313 TO RL S00°18'51"W 35.08'

RL TO #314 S00°18'51"W 33.51'

N00°31'56"E 35.00'

3/4" REBAR

SIGN

R/W POINT	STATION	OFFSET
213	29+04.91	35.00' L
214	29+04.13	35.00' R
300	30+54.91	35.00' L
301	30+74.91	35.00' L
302	31+86.48	35.00' L
303	32+03.04	38.50' L
304	32+18.22	45.72' L
305	32+30.04	53.79' L
306	32+30.75	89.71' L
307	33+10.64	84.25' L
308	33+09.93	48.00' L
309	33+13.86	42.70' L
310	33+22.01	37.10' L
311	33+31.36	35.00' L
312	34+50.00	35.00' L
313	35+49.38	35.00' L
314	35+44.82	33.44' R
315	35+44.51	37.43' R
316	33+09.11	35.00' R
317	32+28.50	59.61' R
318	32+28.82	46.19' R
319	32+25.13	38.77' R
320	32+17.76	35.00' R
321	30+79.08	35.00' R
322	30+59.08	35.00' R

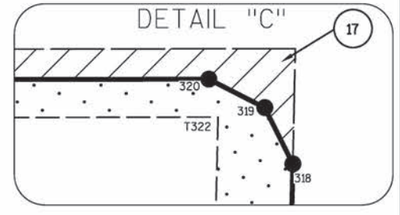
COURSE	BEARING	DISTANCE
213-300	N89°53'47"E	150.00'
300-301	N89°53'47"E	20.00'
301-302	N89°53'47"E	111.57'
302-303	N77°58'47"E	16.92'
303-304	N64°27'40"E	16.81'
304-305	N55°32'54"E	14.32'
305-306	N01°01'52"E	35.92'
306-307	S86°11'47"E	80.08'
307-308	S01°01'52"W	36.26'
308-309	S36°40'58"E	6.59'
309-310	S55°36'38"E	9.89'
310-311	S77°25'07"E	9.58
311-312	N89°53'47"E	118.65'
312-313	N88°22'20"E	97.24'
314-315	S01°12'41"W	4.00'
315-316	S89°53'47"W	237.50'
316-317	S72°55'14"W	84.28'
317-318	N01°15'43"W	13.42'
318-319	N26°31'29"W	8.28'
319-320	N63°00'33"W	8.28'
320-321	S89°53'47"W	138.67'
321-322	S89°53'47"W	20.00'
322-214	S89°53'47"W	154.95'

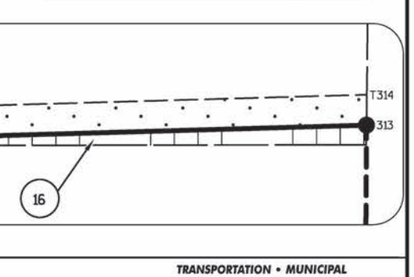
SCHEDULE OF LANDS & INTERESTS REQUIRED

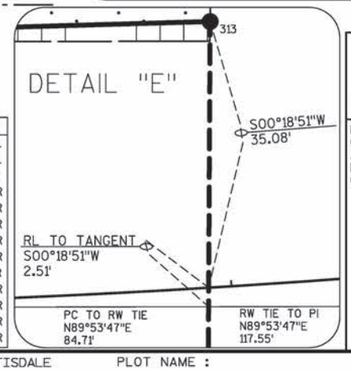
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
13	JAX MAZO HOLDINGS, LLC	FEE/TLE	446	--	446	1308
14	JAX ENTERPRISES III, LLC	FEE/TLE	812	--	812	2468
15	KLP HOLDINGS LLC	FEE/TLE	92	--	92	670
16	JOHN F. WICK II	FEE/TLE	126	--	126	462
17	HERNE HILL ENTERPRISES, LLC	FEE/TLE	1263	--	1263	1677

TLE POINT	STATION	OFFSET	TLE POINT	STATION	OFFSET
T300	29+05.02	45.00' L	T313	34+50.0	39.00' L
T301	30+55.02	45.00' L	T314	35+49.69	39.00' L
T302	30+74.97	40.00' L	T315	35+44.12	42.41' R
T303	32+00.49	40.00' L	T316	33+80.00	40.00' R
T304	32+02.39	40.40' L	T317	33+85.00	45.00' R
T305	32+17.22	47.45' L	T318	33+75.00	55.00' R
T306	32+25.02	52.79' L	T319	33+55.00	40.00' R
T307	32+25.75	89.82' L	T320	33+08.99	40.00' R
T308	33+15.64	84.17' L	T321	32+18.50	59.37' R
T309	33+14.95	49.20' L	T322	32+18.96	40.00' R
T310	33+17.43	45.65' L	T323	30+78.96	40.00' R
T311	33+22.57	40.87' L	T324	30+58.96	40.00' R
T312	33+26.47	39.00' L	T325	29+04.02	40.00' R







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I, BRADLEY L TISDALE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 07/14/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SIGNATURE: Cory Schlagel DATE:7/18/2019
PRINT NAME: CORY SCHLAGEL

FILE NAME : P:\90S\93\00093155\CADD\C3D\53100206\RW\5310-02-21_USH 14_TPP.DWG
APPRAISAL PLAT DATE : 07/14/19
PLOT DATE : 7/18/2019 11:07 AM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : **********

5310-02-21 4.03

DATE: JULY 14, 2019

REVISION DATE:

TRANSPORTATION PROJECT PLAT NO: 5310-02-21 - 4.04

RELOCATION ORDER USH 14, COMMERCIAL STREET, VILLAGE OF MAZOMANIE, (WALTER ROAD TO CTH KP)

4

R/W MONUMENT POINT NUMBER AND COORDINATE TABLE

R/W POINT	Y	X
100	518188.144	709242.413
101	518229.776	709221.412
102	518197.542	709261.048
103	518255.873	709376.582
104	518444.696	709895.981
105	518341.660	709895.189
106	518336.499	709895.139
107	518162.114	709423.850
108	518096.579	709294.028

R/W POINT	Y	X
200	518506.597	710430.698
201	518506.606	710548.844
202	518513.009	710598.901
203	518513.020	710604.901
204	518492.020	710604.948
205	518483.046	710619.387
206	518483.279	710748.643
207	518483.316	710768.658
208	518483.587	710918.658
209	518483.731	710998.683
210	518484.003	711148.682
211	518484.039	711168.770
212	518484.310	711318.682
213	518484.454	711398.687
214	518414.453	711398.037
215	518414.309	711318.018
216	518414.037	711168.013
217	518414.001	711147.988
218	518413.730	710998.006
219	518413.585	710917.981
220	518413.314	710768.009
221	518413.278	710748.012
222	518413.035	710613.290
223	518403.919	710597.962
224	518406.607	710559.738
225	518406.597	710430.706

R/W POINT	Y	X
300	518484.726	711548.687
301	518484.762	711568.687
302	518484.963	711680.259
303	518488.488	711696.812
304	518495.736	711711.980
305	518503.836	711723.787
306	518539.750	711724.433
307	518534.438	711804.335
308	518498.187	711803.683
309	518492.898	711807.622
310	518487.313	711815.783
311	518485.225	711825.134
312	518485.440	711943.779
313	518488.202	712040.976
314	518419.615	712040.600
315	518415.615	712040.515
316	518415.185	711803.012
317	518390.432	711722.447
318	518403.848	711722.743
319	518411.260	711719.044
320	518415.020	711711.662
321	518414.769	711572.990
322	518414.733	711552.990

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FILE NAME : P:\90S\93\00093155\CADD\C3D\53100206\RW\5310-02-21_USH 14_TPP.DWG
APPRAISAL PLAT DATE : 07/14/19
PLOT DATE : 7/16/2019 9:29 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : **********
5310-02-21 4.04

BEGIN CONSTRUCTION
BEGIN MILLING LIMITS
STA 6+10.00
NORTHING = 518095.1679
EASTING = 709169.4503
MATCH EXISTING

BEGIN RECONSTRUCTION LIMITS
END MILLING LIMITS
STA 6+85.72
NORTHING = 518129.3748
EASTING = 709237.1483
SAW CUT REQ'D

N WALTER RD

EXISTING R/W

CENTURY LINK

VILLAGE OF MAZOMANIE

NORTH CRAMER STREET

MG&E

CENTURY LINK

EXISTING R/W

TLE

10+50.12 | MATCH LINE

PC: 8+63.18

5+00 6+00 7+00 N63°11'35"E 1263.18' 8+00 9+00 10+00

CAUTION

CAUTION

CENTURY LINK

BM 315

EXISTING R/W

VANGUARD ELECTRIC

CHARTER

VILLAGE OF MAZOMANIE

EXISTING R/W

MG&E

S WALTER RD

STA 11+38 RT
16' CF

BENCH MARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM 315	6+15	48' RT	CHIS SQUARE TOP BOX	785.63

VCL = 90.00
K = 102.57

VPC STA 6+10.00
VPC EL 791.04

VPI STA 6+55.00
VPI EL 791.23

VPT STA 7+00.00
VPT EL 791.81

PROPOSED PROFILE

EXISTING PROFILE

1.30%

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

800 790

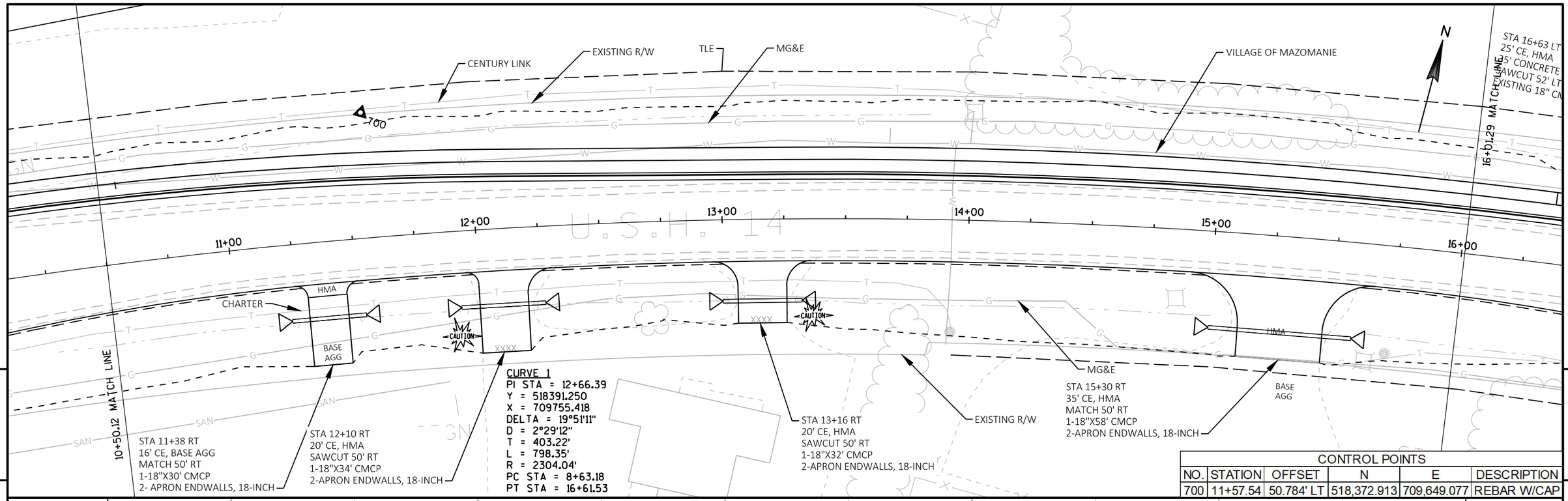
5 6 7 8 9 10

791.32 790.96 790.87 791.21 791.28 791.76 791.81 792.43 792.46 793.51 793.11 794.13 793.76 794.86 794.41 795.55 795.06 796.35 795.71 797.12 796.36

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 184 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - PP - (1)

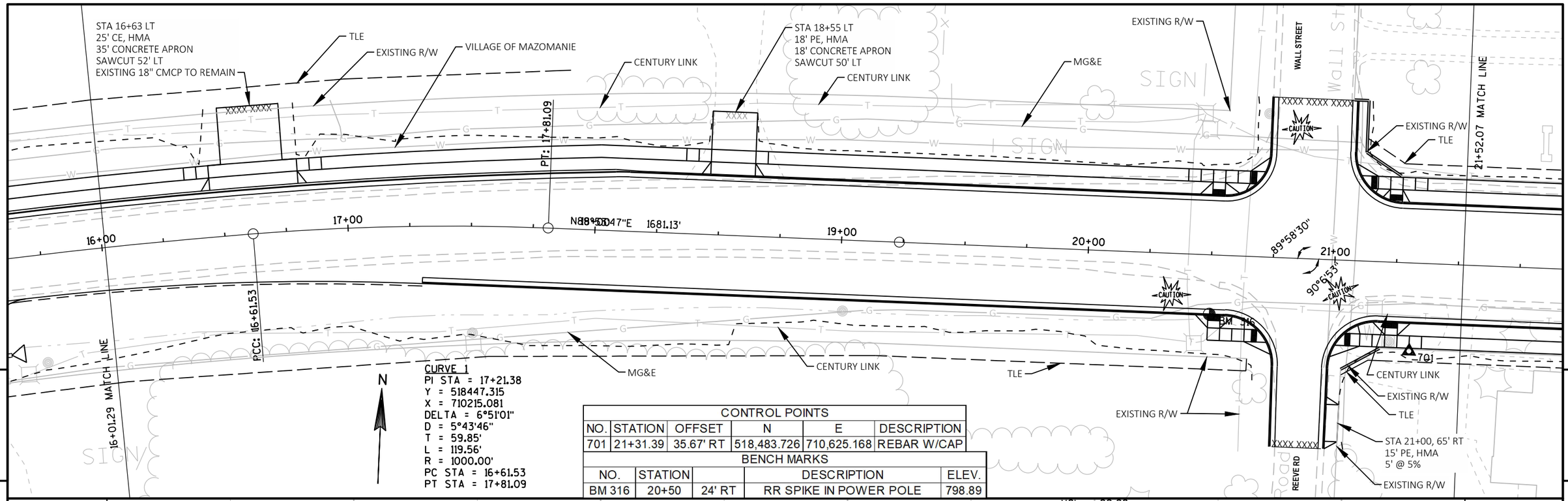
PLOT DATE : 7/18/2020 10:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT



CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
700	11+57.54	50.784' LT	518,372.913	709,649.077	REBAR W/CAP

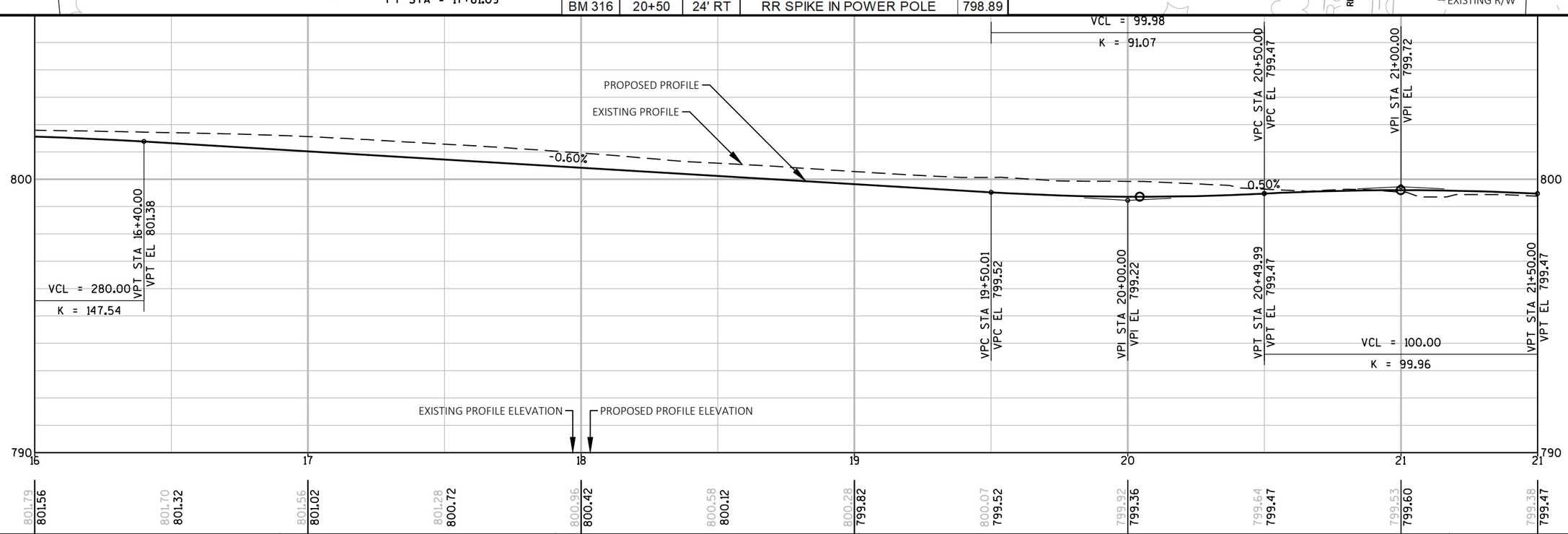
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 185	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - PP - (2)
PLOT DATE : 7/18/2020 10:28 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

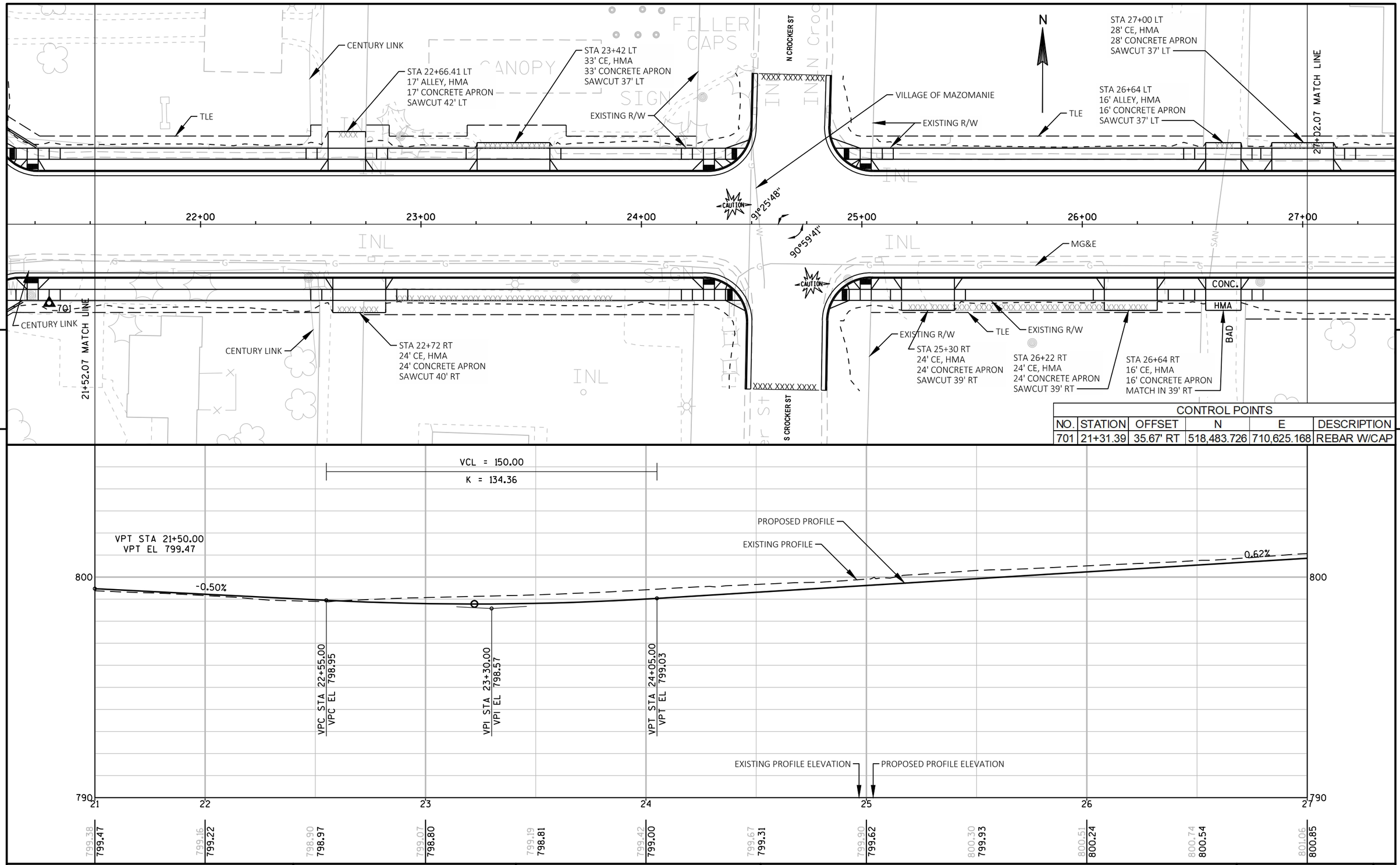


CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
701	21+31.39	35.67' RT	518,483.726	710,625.168	REBAR W/CAP

BENCH MARKS				
NO.	STATION		DESCRIPTION	ELEV.
BM 316	20+50	24' RT	RR SPIKE IN POWER POLE	798.89



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 186	E



CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
701	21+31.39	35.67' RT	518,483.726	710,625.168	REBAR W/CAP

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 187	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - PP - (4)

PLOT DATE : 7/18/2020 10:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
702	28+03.36	20.713' RT	518,428.558	711,297.238	REBAR W/CAP

STA 28+00 LT
28' CE, HMA
28' CONCRETE APRON
SAWCUT 37' LT

EXISTING R/W

TLE

N SCOTT ST

VILLAGE OF MAZOMANIE

EXISTING R/W

STA 29+59 LT
32' CE, HMA
32' CONCRETE APRON
SAWCUT 40' LT

TLE

CHARTER

STA 30+64.94 LT
16' ALLEY, CONCRETE
16' CONCRETE APRON
SAWCUT 39' LT

STA 31+58 LT
35' CE, CONCRETE
35' CONCRETE APRON
SAWCUT 38' LT

EXISTING R/W

TLE

EXISTING R/W

N BRODHEAD ST

32+52.07 MATCH LINE

CAUTION

90°43'54"

90°53'47"

91°14'35"

91°3'17"

27+00 28+00 29+00 30+00 31+00 32+00

702

ONC.

MA

BAD

27+02.07 MATCH LINE

TLE

EXISTING R/W

EXISTING R/W

S SCOTT ST

STA 29+00 RT
26' CE, HMA
SAWCUT REQUIRED

MG&E

STA 30+65 RT
24' CE, HMA
24' CONCRETE APRON
SAWCUT 40' LT

VANGUARD ELECTRIC

TOPO OUT
OF DATE
3/28/2017

TLE

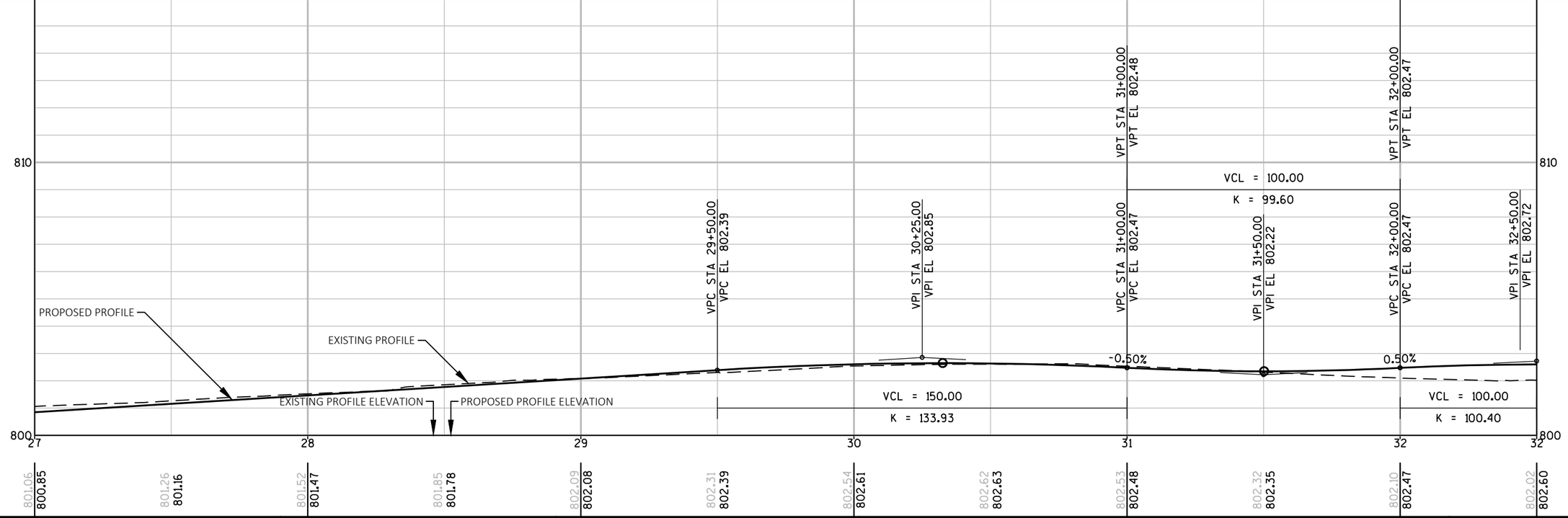
EXISTING R/W

STA 32+35 RT
24' CE, HMA
24' CONCRETE APRON
SAWCUT REQUIRED

S BRODHEAD ST

5

5

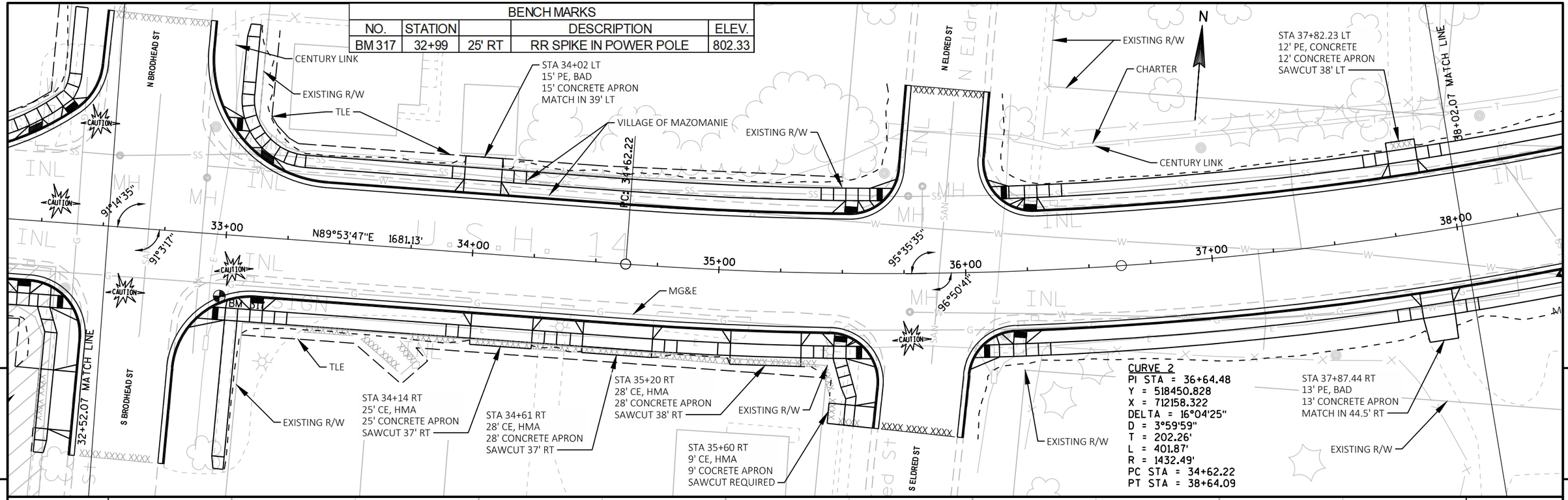


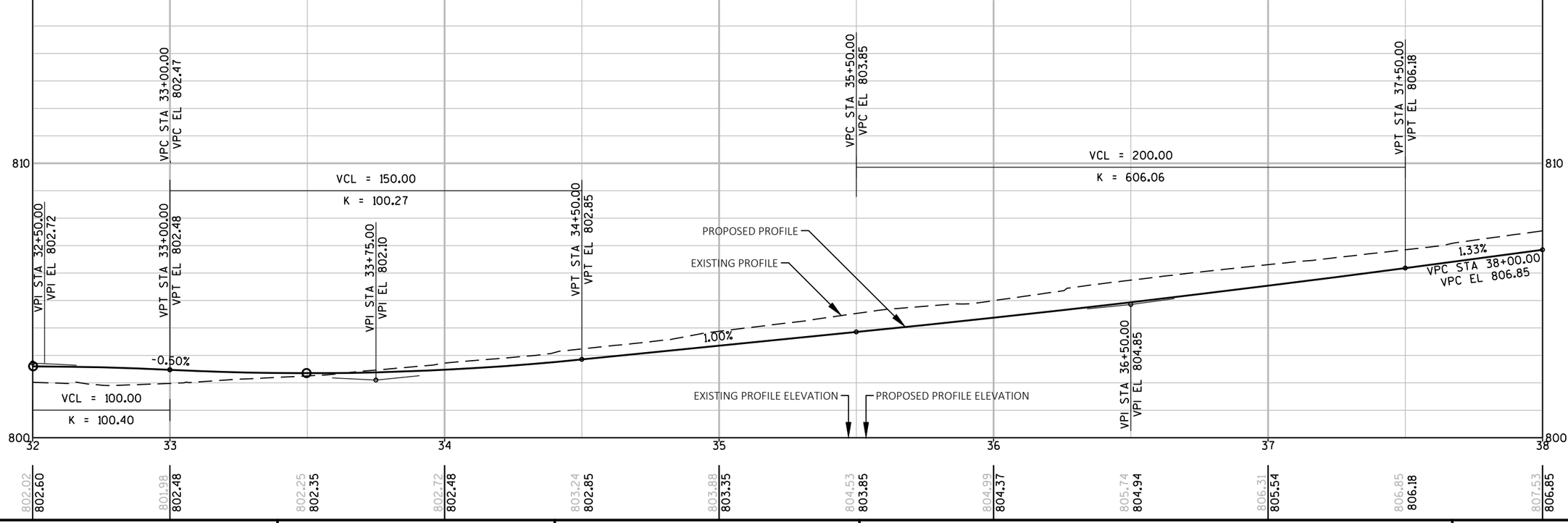
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 188	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - PP - (5)

PLOT DATE : 7/18/2020 10:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCH MARKS				
NO.	STATION		DESCRIPTION	ELEV.
BM 317	32+99	25' RT	RR SPIKE IN POWER POLE	802.33





PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 189	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - PP - (6)

PLOT DATE : 7/18/2020 10:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:40 FT

CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
703	38+38.64	25.871' RT	518,475.337	712,334.840	REBAR W/CAP

CRETE
TE APRON
LT

EXISTING R/W

CHARTER

SIGN

INL

PT: 38+64.09

N CRAMER ST

CAUTION

EXISTING R/W

CHARTER

PC: 40+93.68

CURVE 3
PI STA = 53+67.32
Y = 518925.995
X = 713796.286
DELTA = 40°39'28"
D = 1°40'00"
T = 1273.64'
L = 2439.47'
R = 3437.75'
PC STA = 40+93.68
PT STA = 65+33.15

EXISTING R/W

N

43+52.07 MATCH LINE

38+00 39+00 N73°49'22"E 229.60' 40+00 41+00 42+00 43+00

106°22'25"

105°46'26"

CAUTION

CAUTION

703

MG&E

CURVE 2
PI STA = 36+64.48
Y = 518450.828
X = 712158.322
DELTA = 16°04'25"
D = 3°59'59"
T = 202.26'
L = 401.87'
R = 1432.49'
PC STA = 34+62.22
PT STA = 38+64.09

38+02.07 MATCH LINE

S CRAMER ST

CENTURY LINK

VILLAGE OF MAZOMANIE

EXISTING R/W

EXISTING R/W

STA 40+00 RT
17' PE, BAD
MATCH IN AT 8'

5

5

VCL = 200.00
K = 758.01

PROPOSED PROFILE
EXISTING PROFILE

1.41%

1.15%

VPC STA 38+00.00
VPC EL 806.85

VPI STA 38+50.00
VPI EL 807.51

VPT STA 39+00.00
VPT EL 808.09

VPC STA 40+00.00
VPC EL 809.24

VPI STA 41+00.00
VPI EL 810.38

VPT STA 42+00.00
VPT EL 811.80

VPC STA 43+00.00
VPC EL 813.21

VCL = 400.00
K = 165.82

VCL = 100.00
K = 550.66

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

810

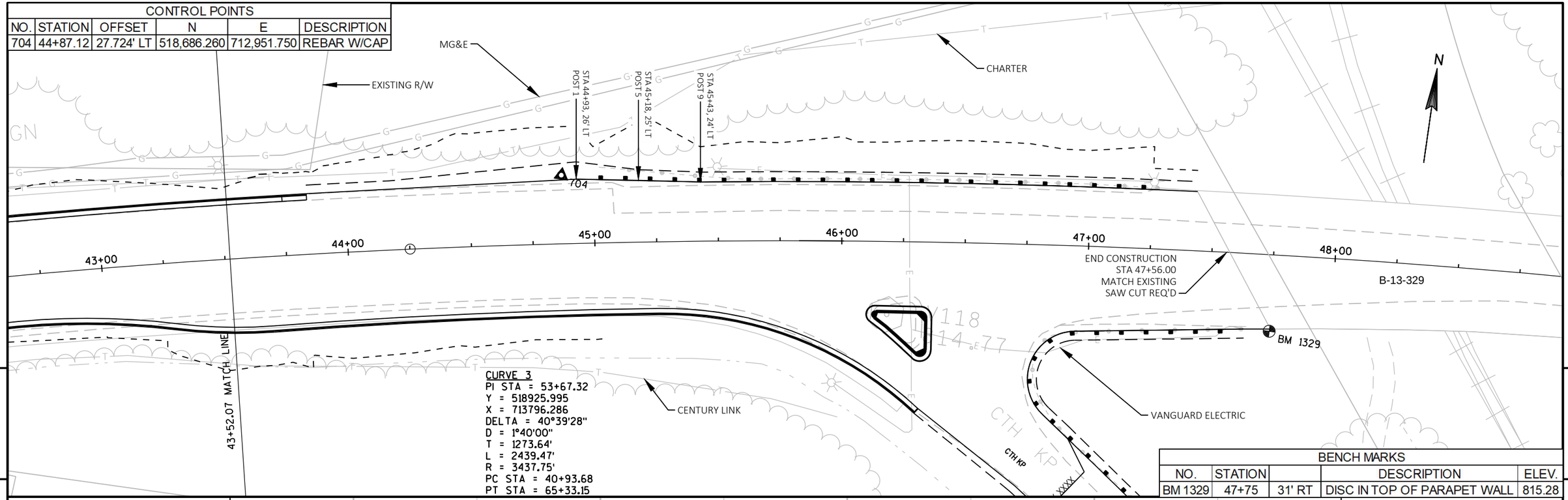
800

38 39 40 41 42 43

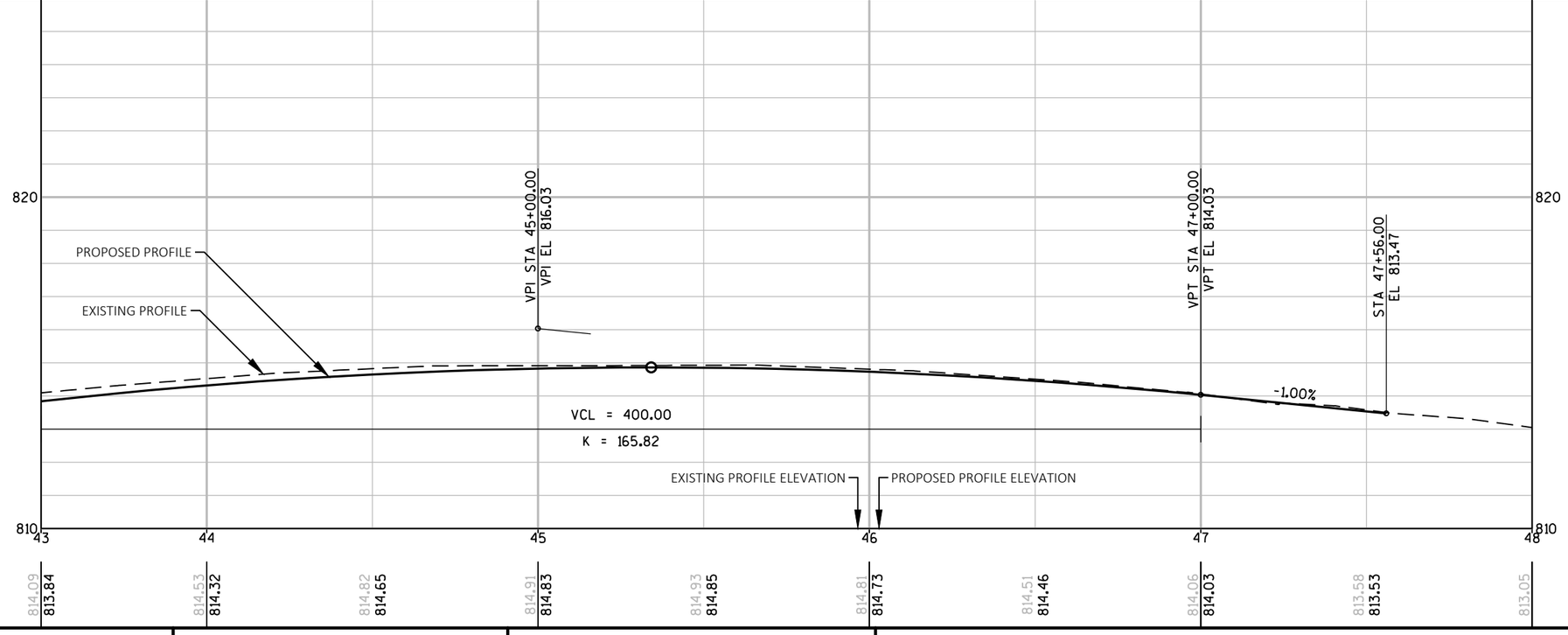
807.53	806.85	808.18	807.49	808.67	808.09	809.31	808.66	809.84	809.24	810.29	809.83
810.91	810.45	811.65	811.11	812.36	811.80	813.03	812.50	813.58	813.21	814.09	813.84

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 190	E

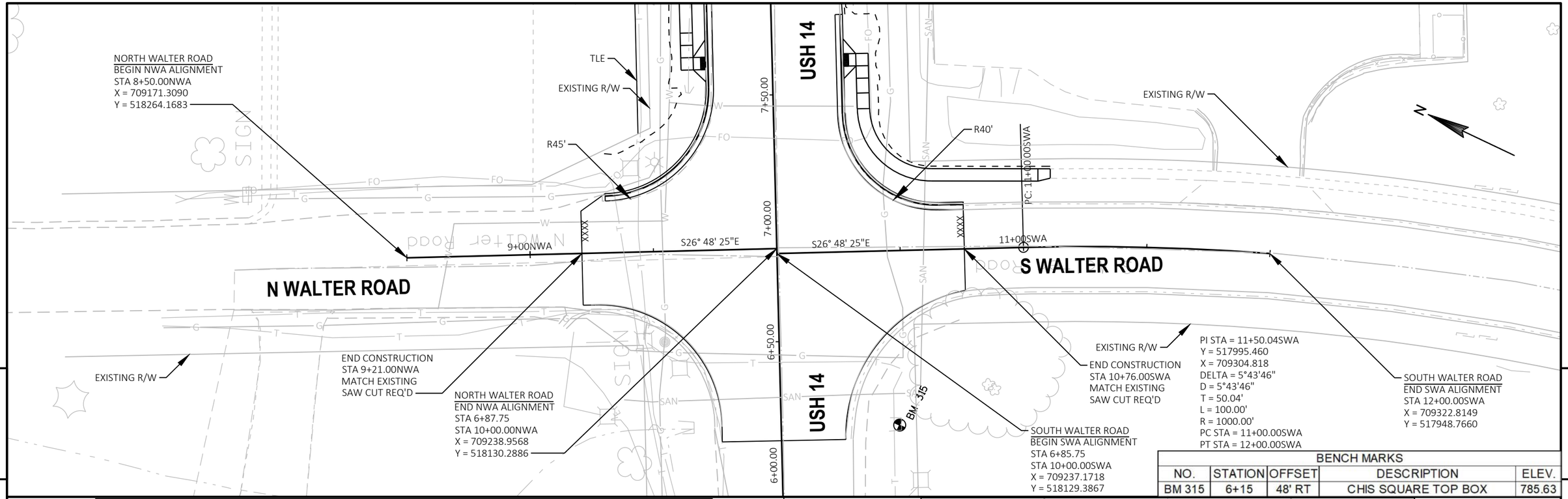
CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
704	44+87.12	27.724' LT	518,686.260	712,951.750	REBAR W/CAP



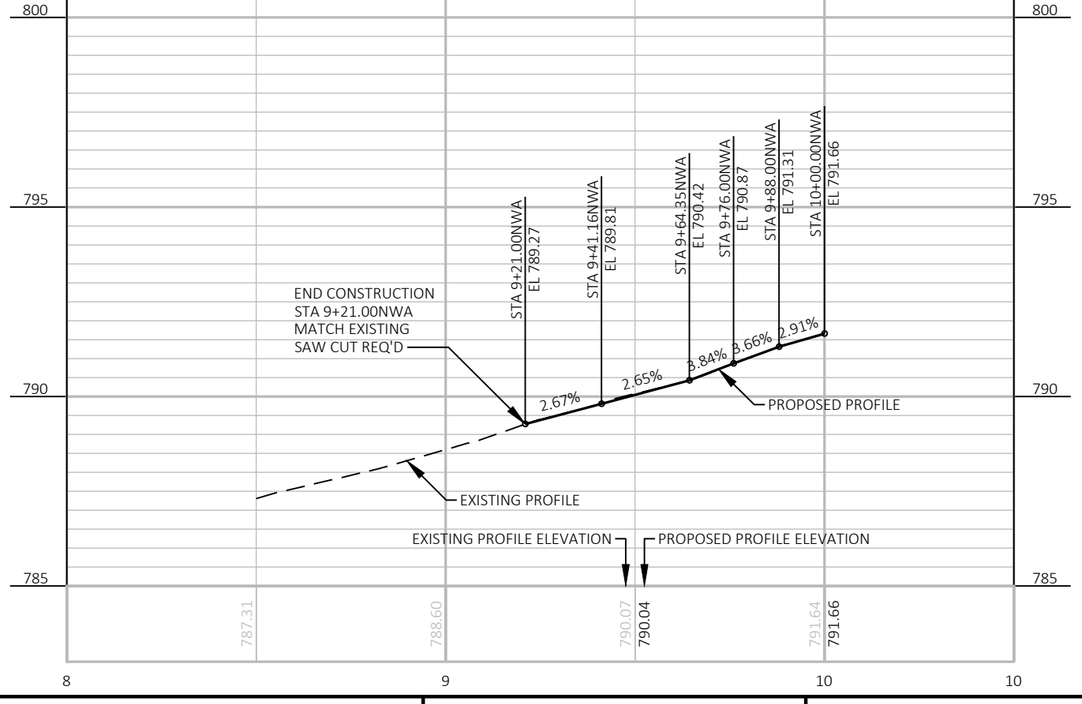
BENCH MARKS				
NO.	STATION		DESCRIPTION	ELEV.
BM 1329	47+75	31' RT	DISC IN TOP OF PARAPET WALL	815.28

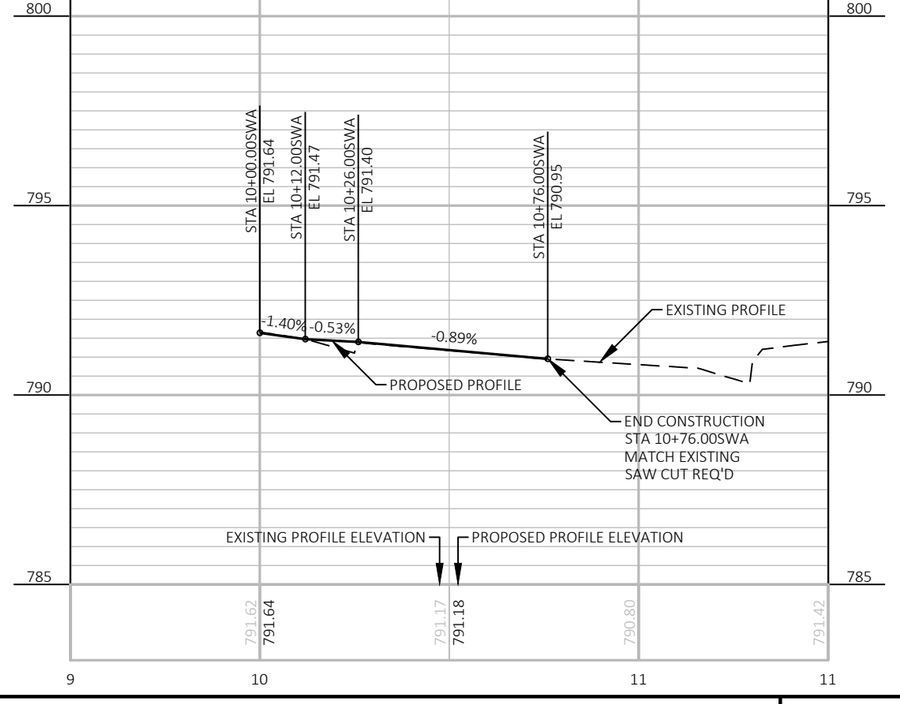


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: USH 14	SHEET 191	E



BENCH MARKS				
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM 315	6+15	48' RT	CHIS SQUARE TOP BOX	785.63

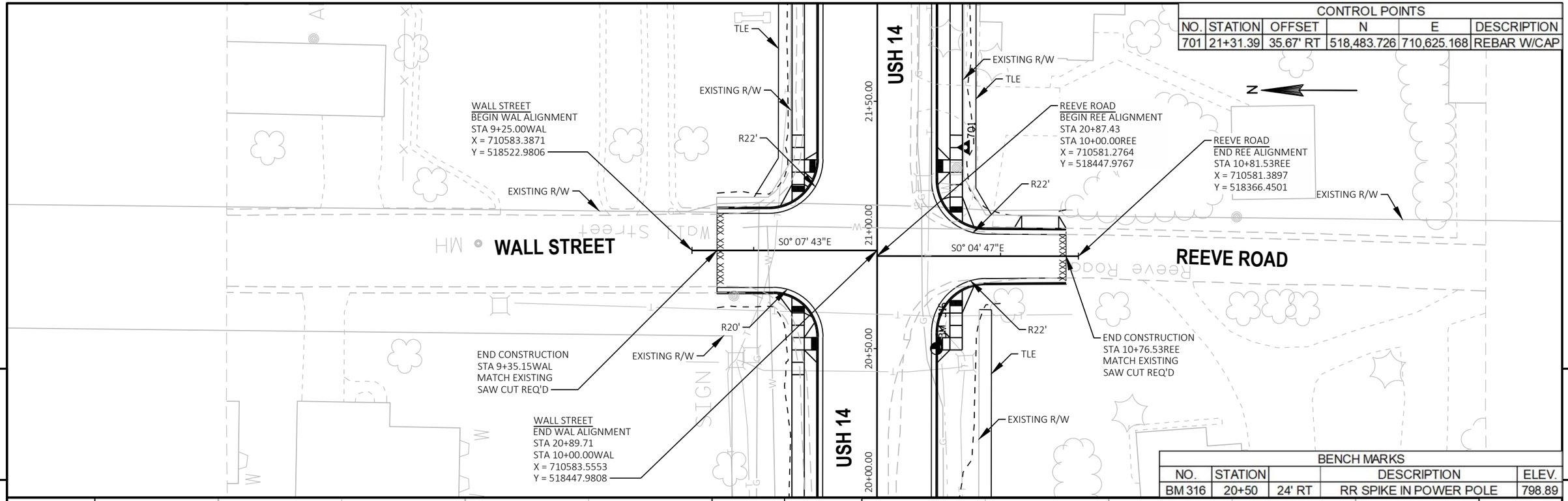


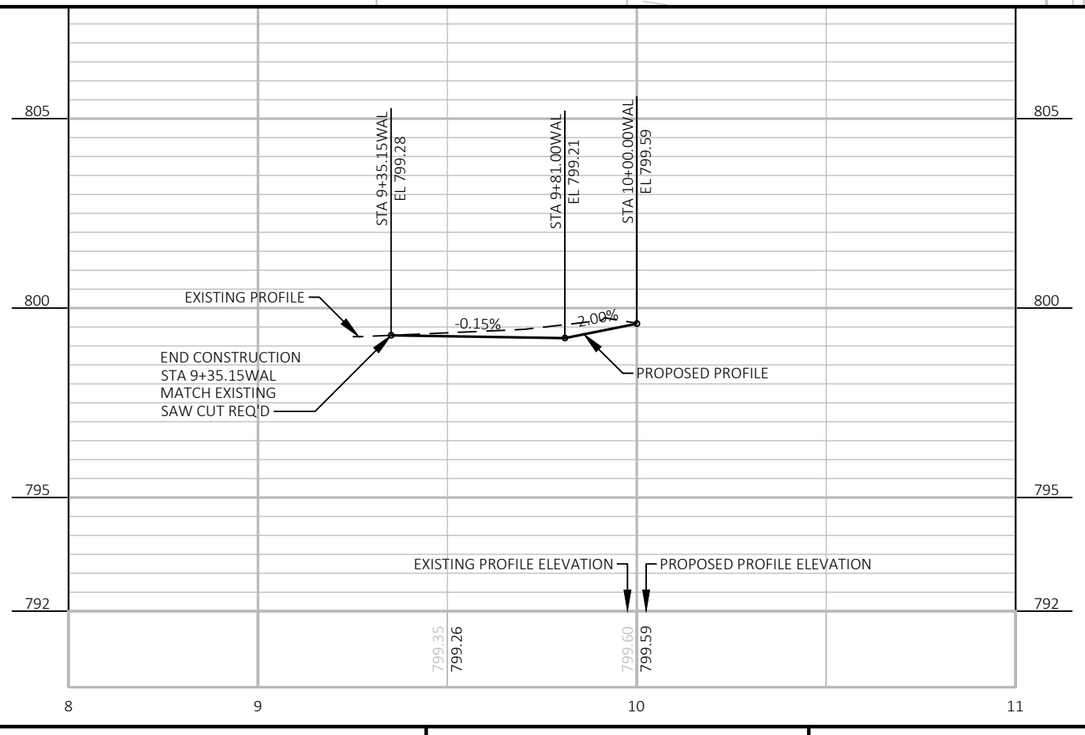


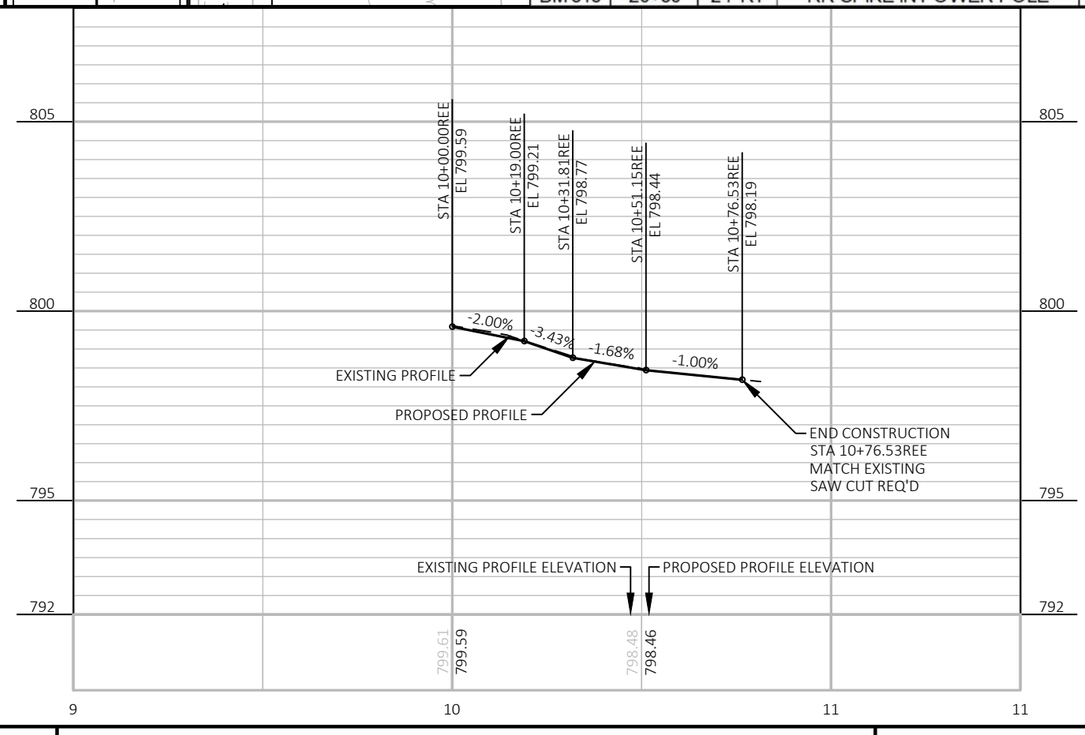
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 192	E

CONTROL POINTS					
NO.	STATION	OFFSET	N	E	DESCRIPTION
701	21+31.39	35.67' RT	518,483.726	710,625.168	REBAR W/CAP

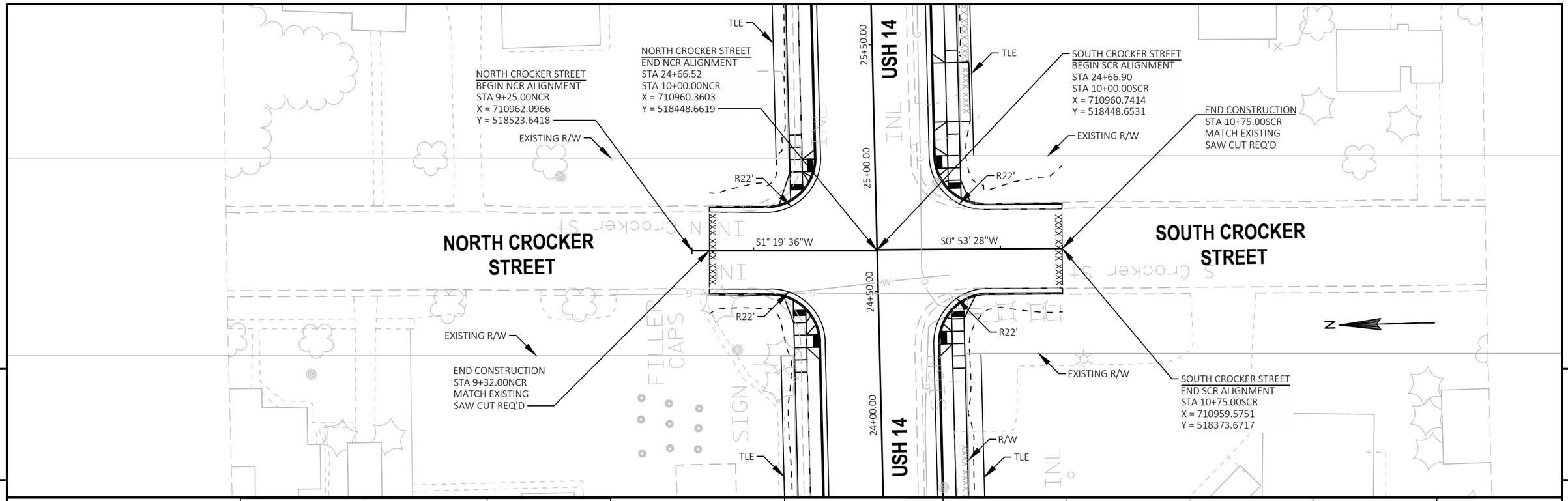
BENCH MARKS				
NO.	STATION		DESCRIPTION	ELEV.
BM 316	20+50	24' RT	RR SPIKE IN POWER POLE	798.89

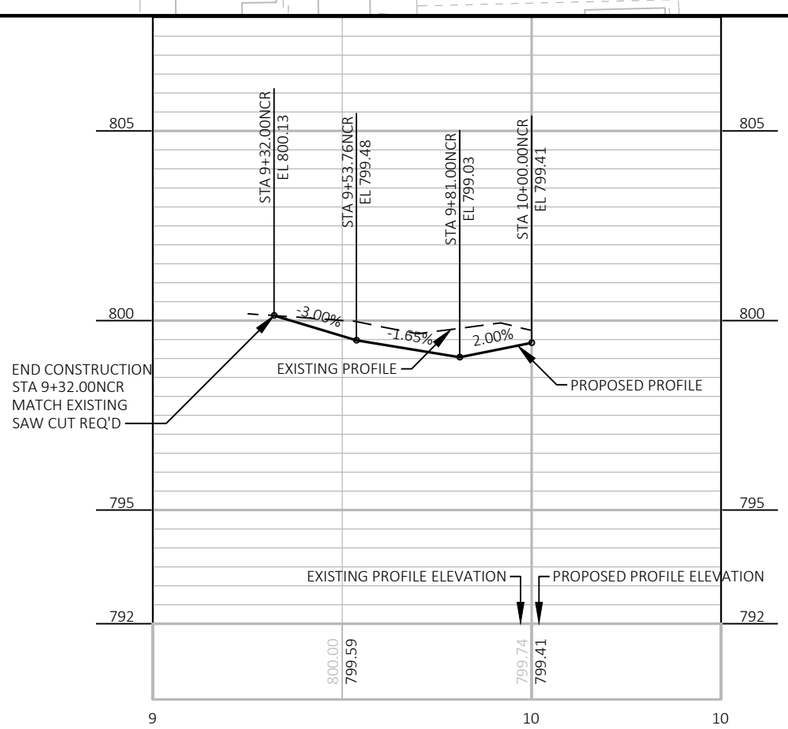


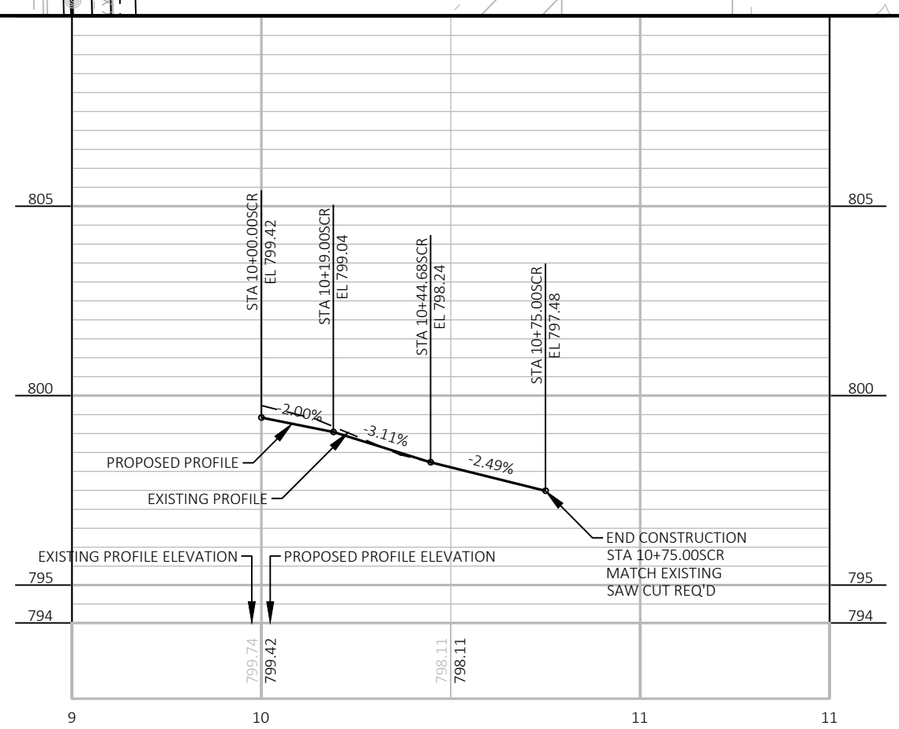




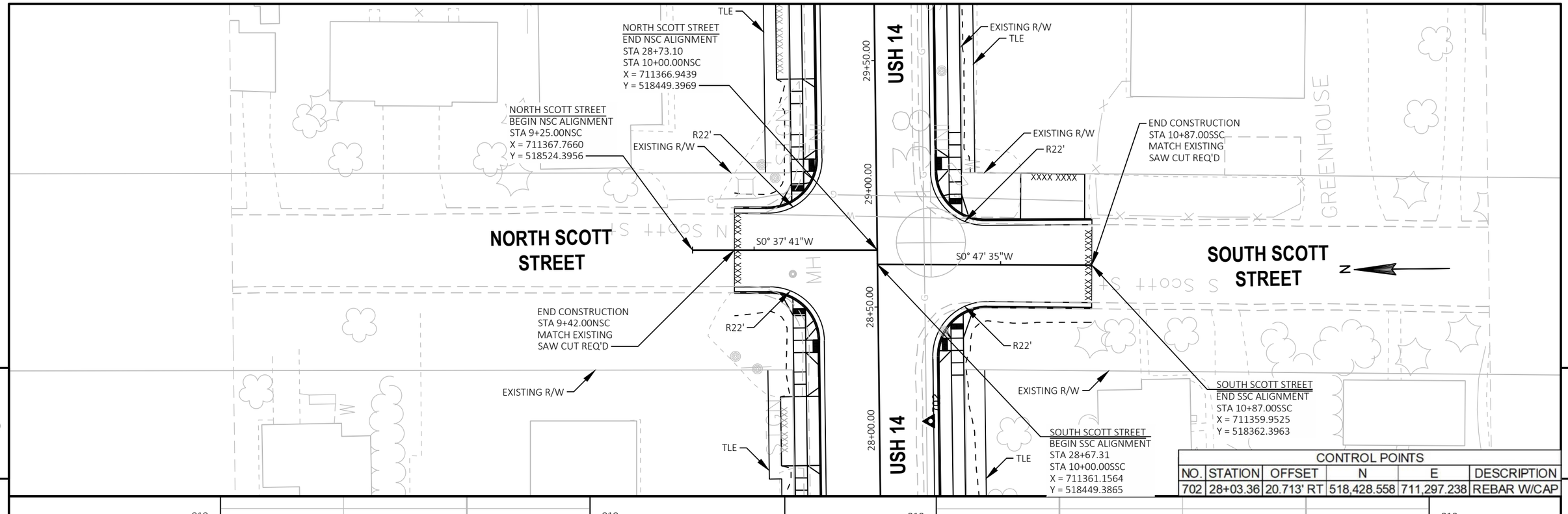
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 193	E





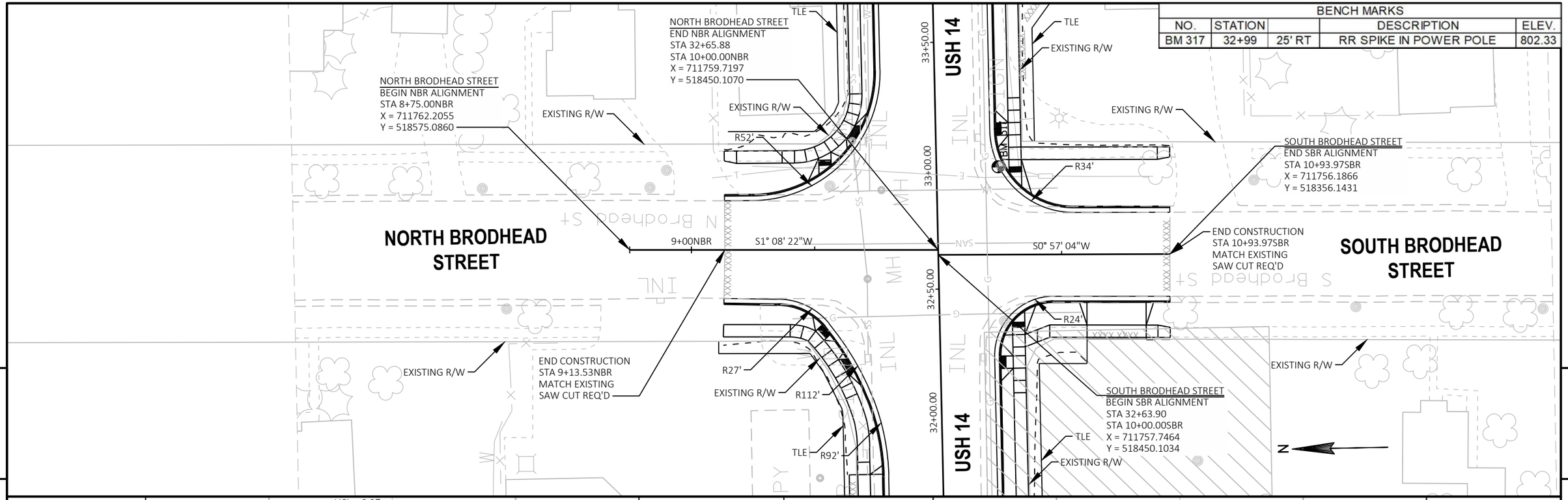


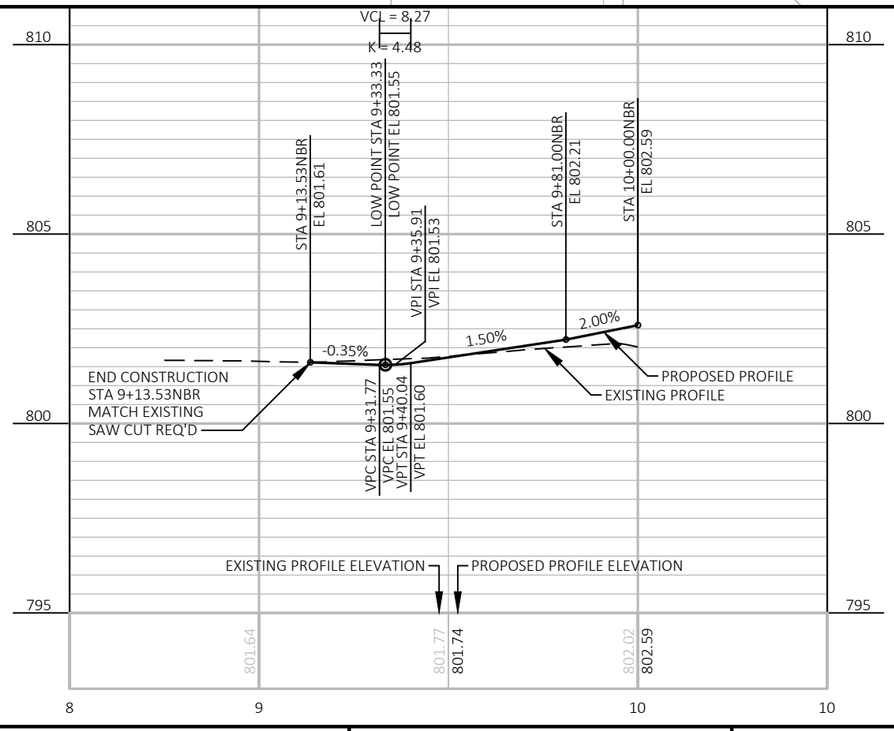
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 194 E

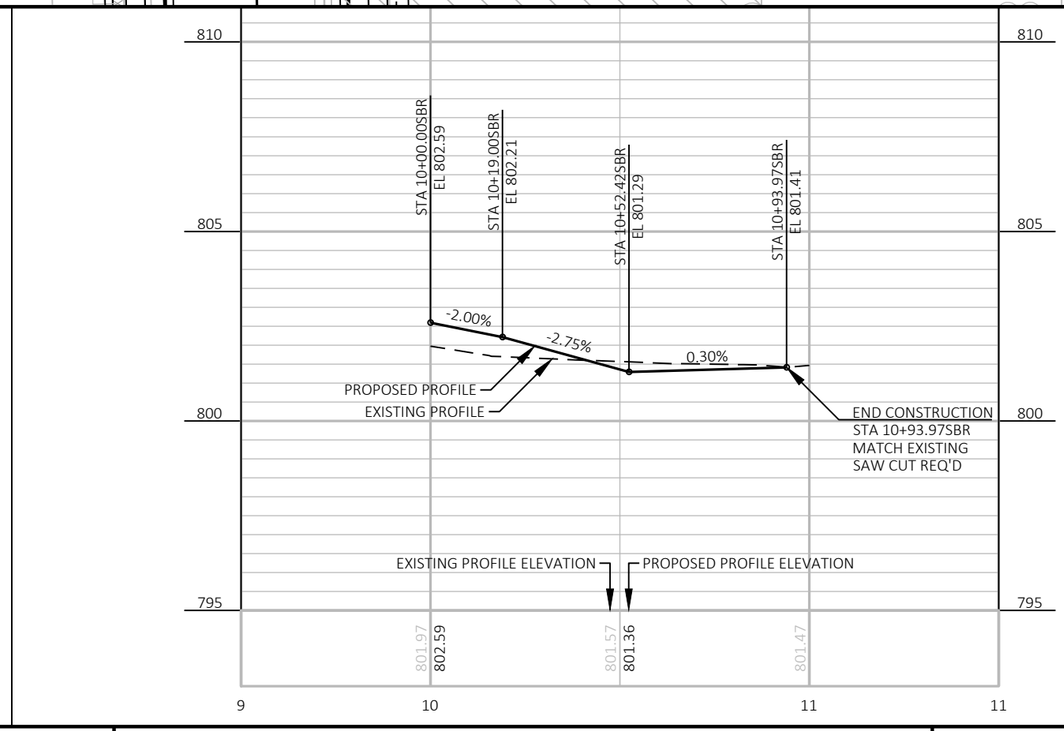


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 195	E

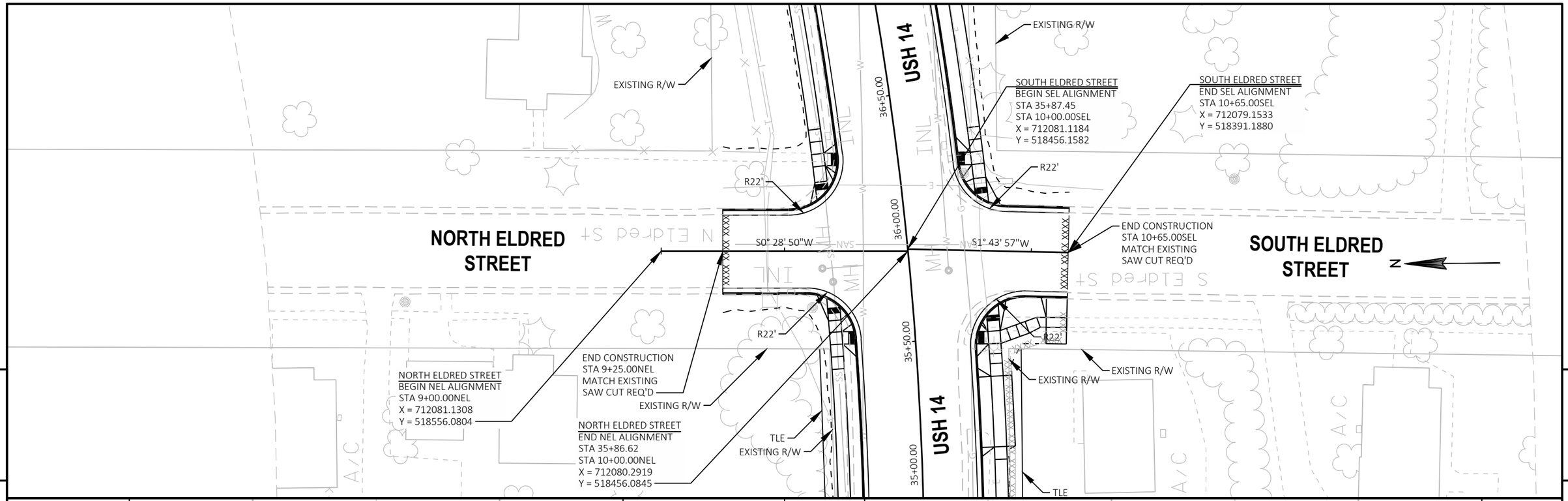
BENCH MARKS				
NO.	STATION		DESCRIPTION	ELEV.
BM 317	32+99	25' RT	RR SPIKE IN POWER POLE	802.33

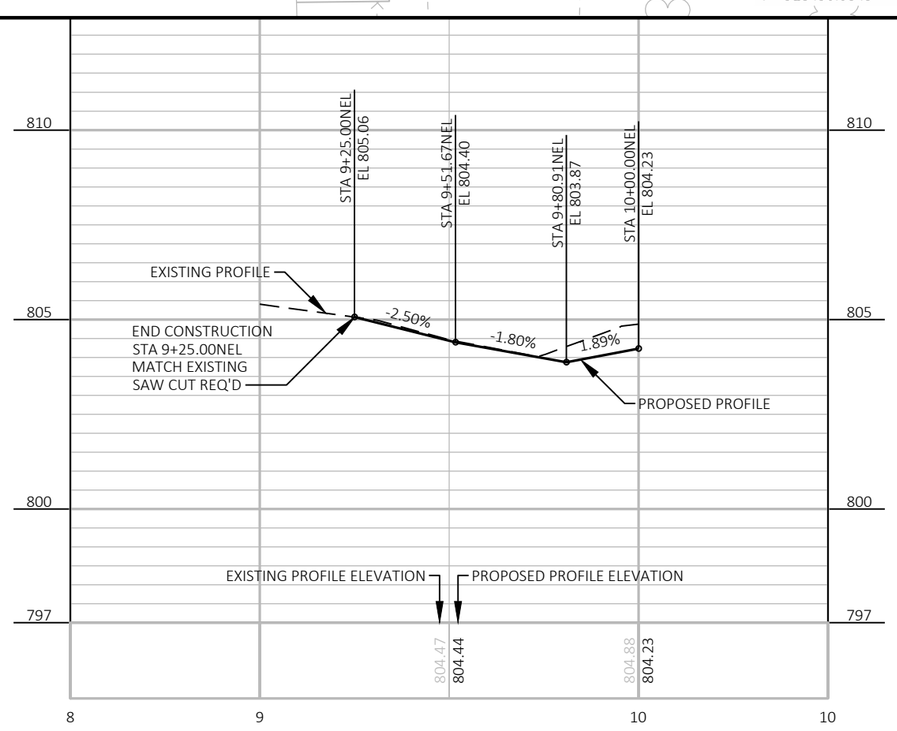


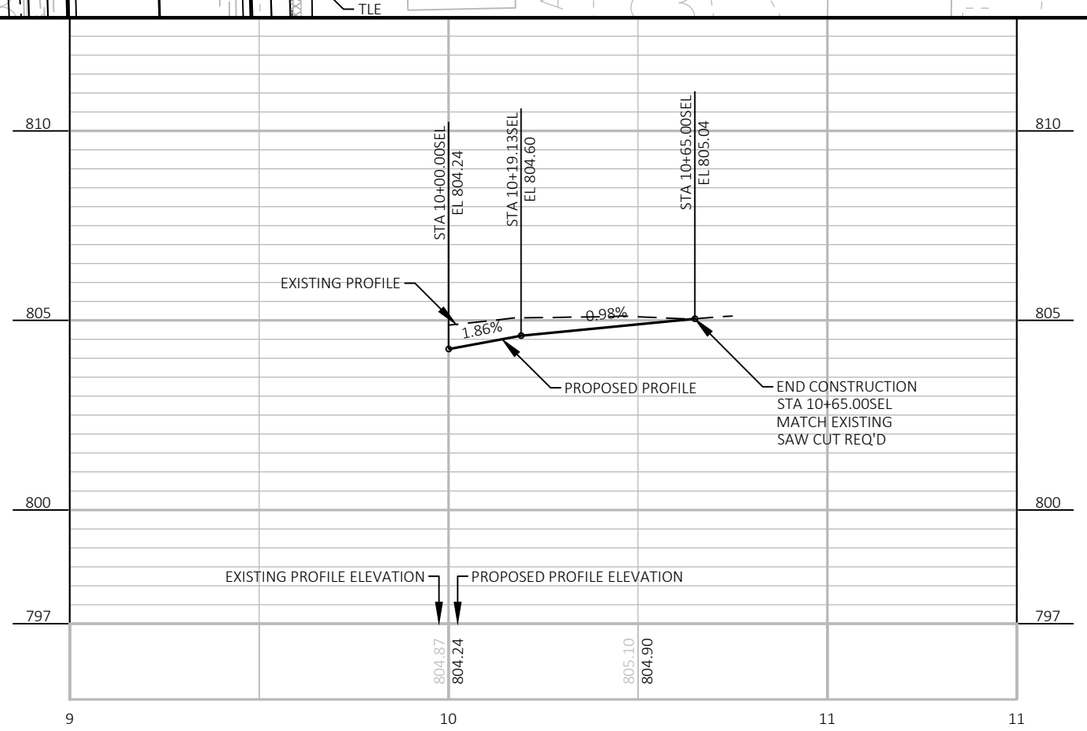




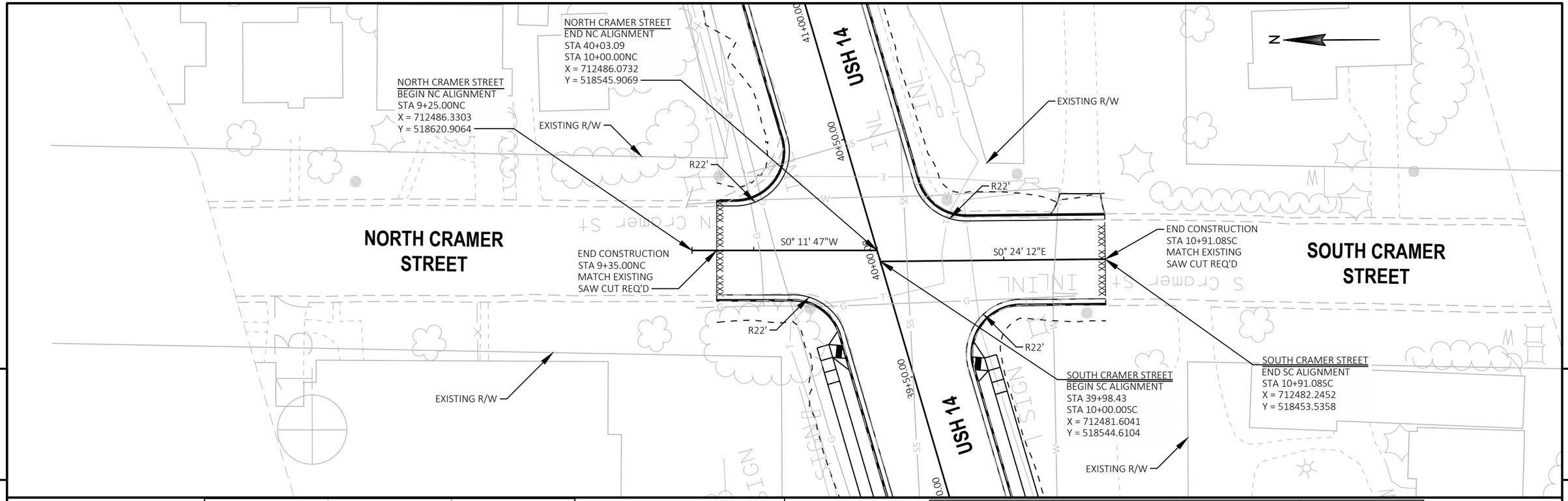
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 196	E

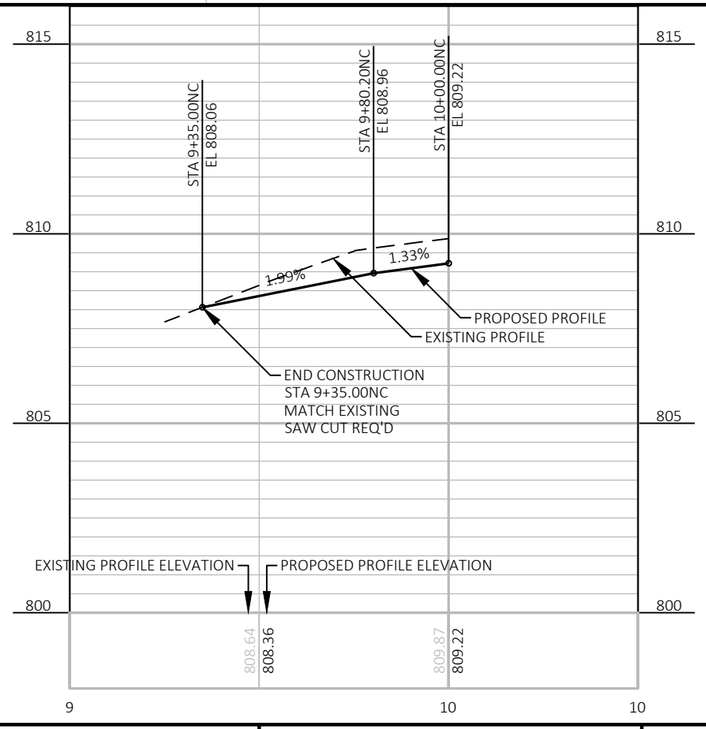


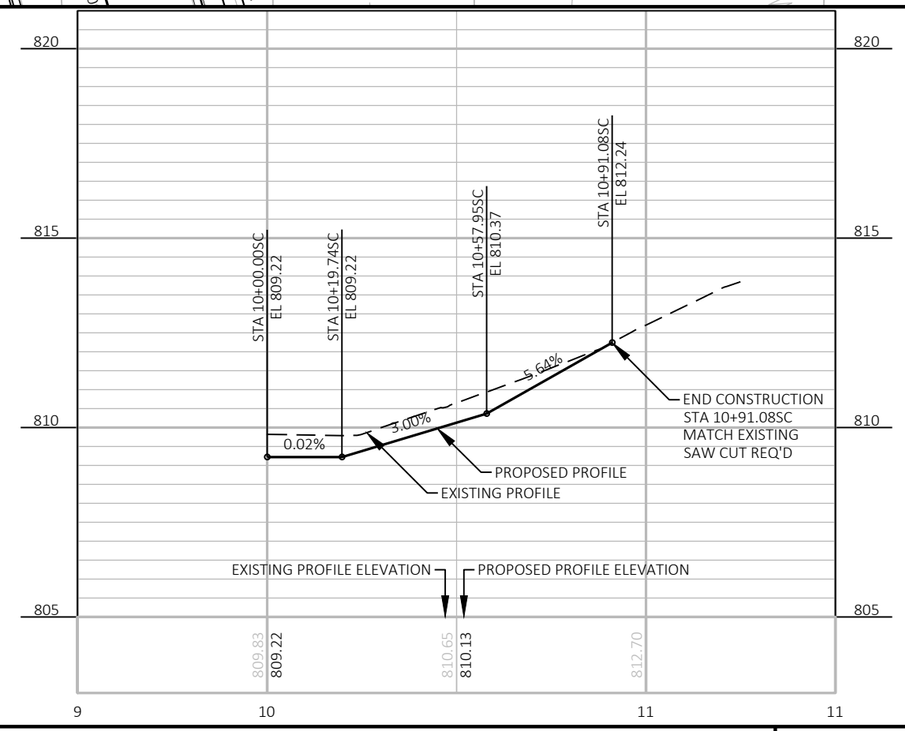




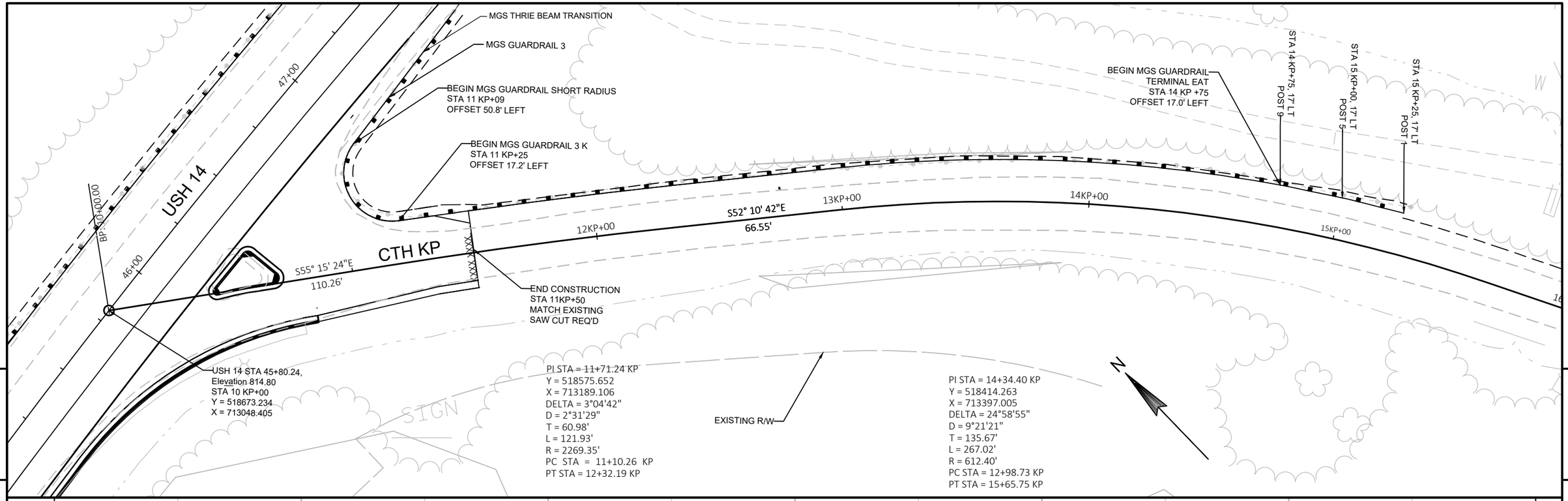
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 197	E

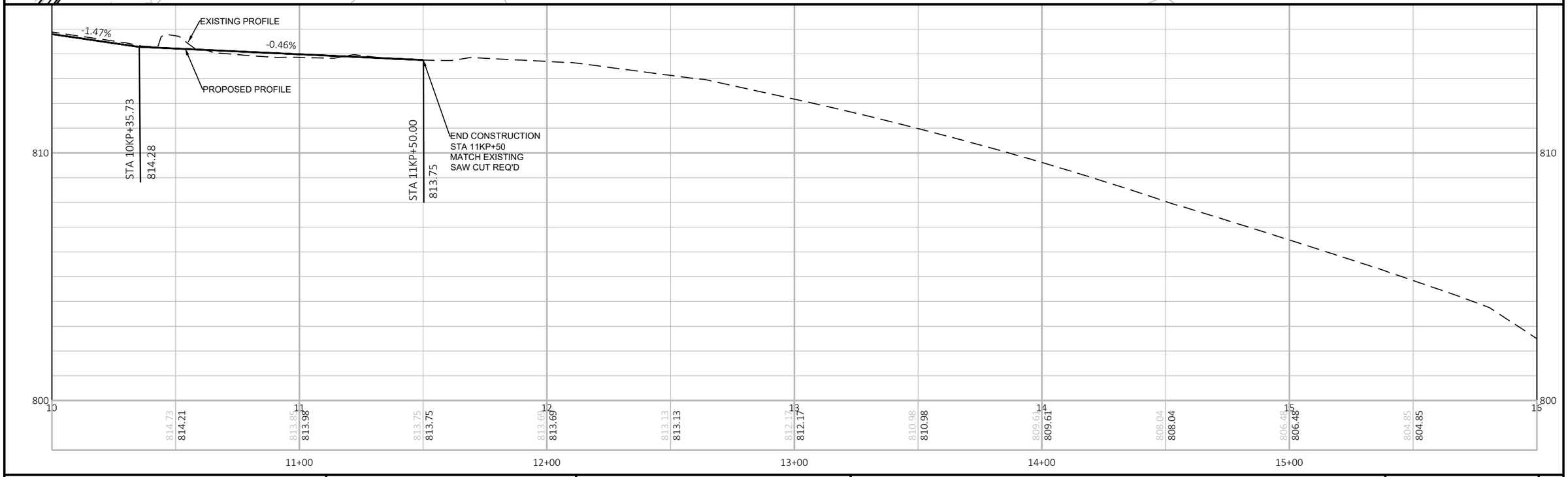






PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: SIDEROADS	SHEET 198	E





PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: CTH KP	SHEET 199	E

PI = STA. 9+74.33 'RD'
Y = 518660.1399
X = 713293.7829

RD
℄

4:1 TYPICAL — 8' — TOPSOIL SPECIAL, SEEDING MIXTURE NO. 20, EROSION MAT CLASS I TYPE B AND FERTILIZER TYPE B

DRAINAGE SWALE TYPICAL
STA. 10+50 'RD' - STA. 18+00 'RD'

N

WISCONSIN & SOUTHERN RAILROAD

USH 14
STA. 49+00

B-13-329

USH 14
STA. 48+00

BP: 9+74.33RD

RIPRAP MEDIUM

10+00 RD | 11+00 RD | 12+00 RD | 13+00 RD | 14+00 RD | 15+00

W

REMOVING MASONRY

EXISTING 24" CMCP

ELEV. 781.60

SLOPE INTERCEPT

LAKE MARION TRAIL

EXISTING RAILROAD R/W

LAKE MARION TRAIL

5

5

790
780
775

Swale Profile
-0.2% Outfalling to Elev. 781

Existing Ground

EXISTING ELEVATION
PROPOSED ELEVATION

	9	10	11	12	13	14
EXISTING ELEVATION	784.18	781.09	781.71	780.68	780.67	780.25	780.98	782.15	785.33	781.14
PROPOSED ELEVATION		782.40	782.30	782.20	782.10	782.00	781.90	781.80	781.70	781.60

10+00 | 11+00 | 12+00 | 13+00 | 14+00

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: RD-LINE (DRAINAGE SWALE TO LAKE MARION)	SHEET 200	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\050201-PP-DITCH 0.2%.DWG
LAYOUT NAME - 050201

PLOT DATE : 8/1/2018 4:41 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:40 FT

PI = STA. 18+19.33 'RD'
Y = 517988.6618
X = 713806.7567

EXISTING RAILROAD R/W

IN & SOUTHERN RAILROAD

EP: 18+19.33RD

00 RD | 14+00 RD | 15+00 RD | 16+00 RD | 17+00 RD | 18+00 RD

W

REMOVING MASONRY

SLOPE INTERCEPT

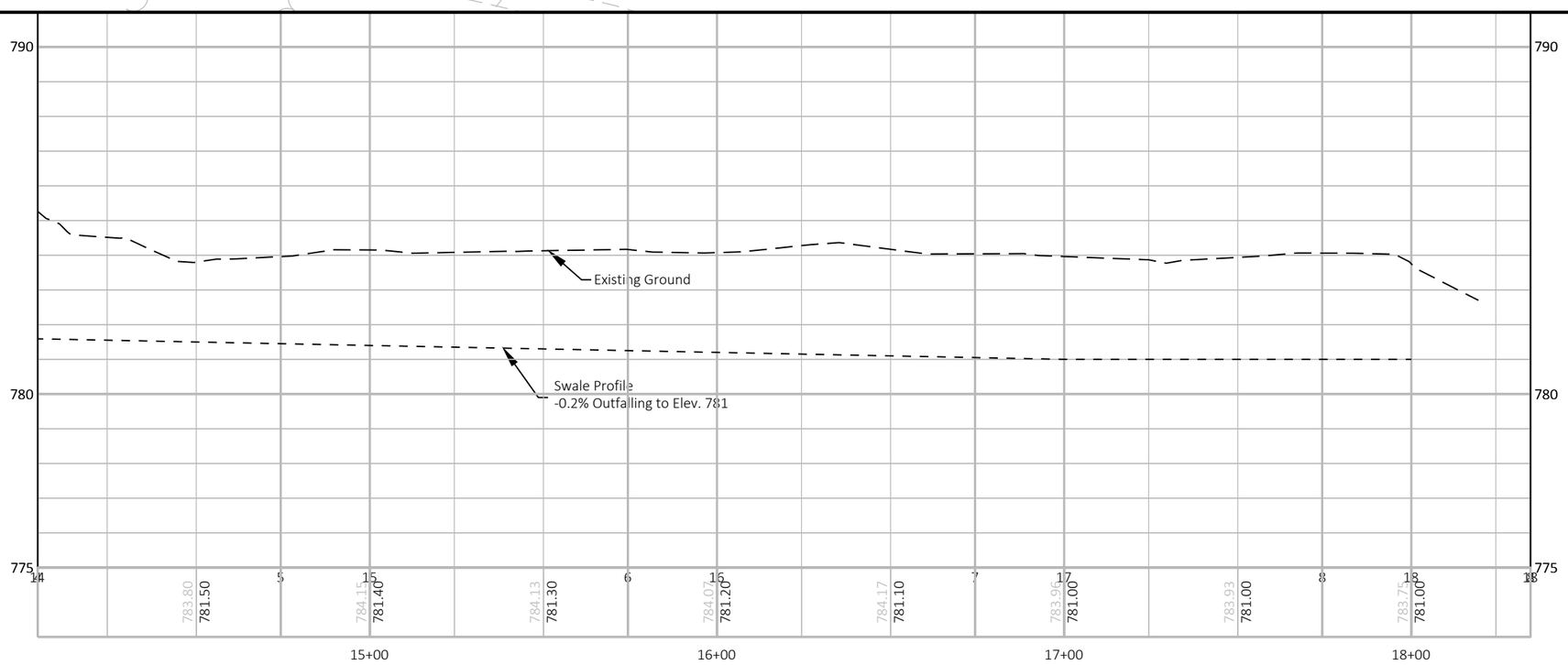
EXISTING RAILROAD R/W

LAKE MARION TRAIL

LAKE MARION

5

5



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	PLAN AND PROFILE: RD-LINE (DRAINAGE SWALE TO LAKE MARION)	SHEET 201	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\050201-PP-DITCH 0.2%.DWG
LAYOUT NAME - 050202

PLOT DATE : 8/1/2018 4:41 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:40 FT

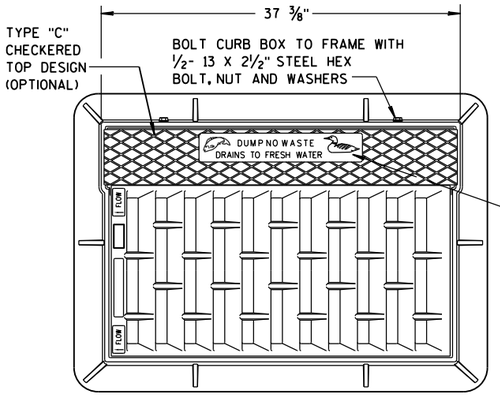
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08C09-02	INLETS MEDIAN 3 AND 4 GRATE
08D01-21A	CONCRETE CURB & GUTTER
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-15E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13A03-06	CONCRETE PAVEMENT SHOULDERS
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C19-02	HMA LONGITUDINAL JOINTS
14B42-06A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B53-01A	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01B	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01C	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01D	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01E	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01F	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01G	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01H	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-01I	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

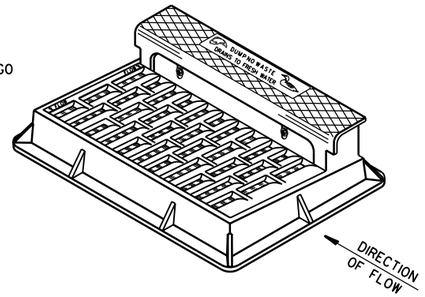
6

Standard Detail Drawing List

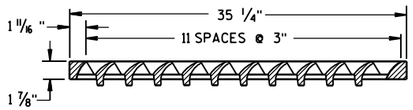
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING

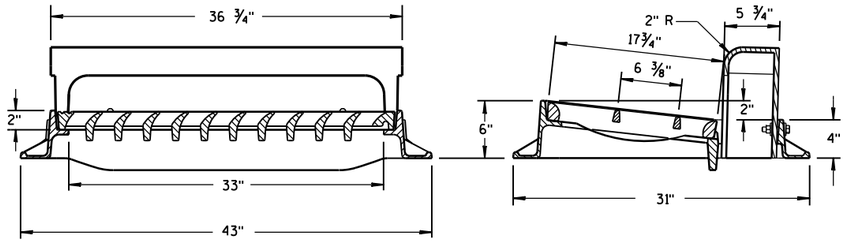


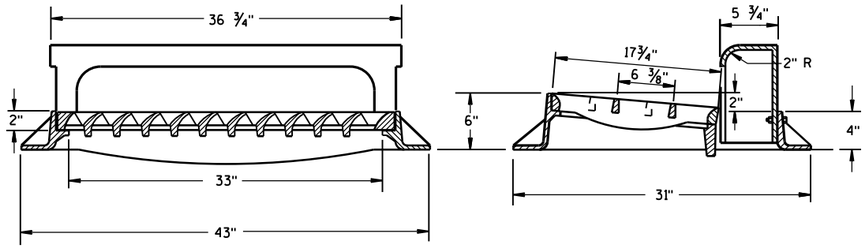
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

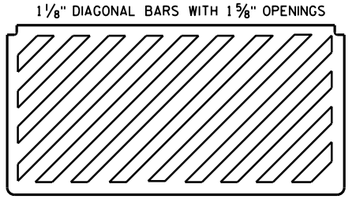






TYPE "H"

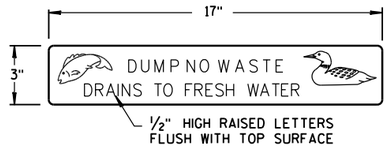
NOTE: EITHER CASTING IS ACCEPTABLE



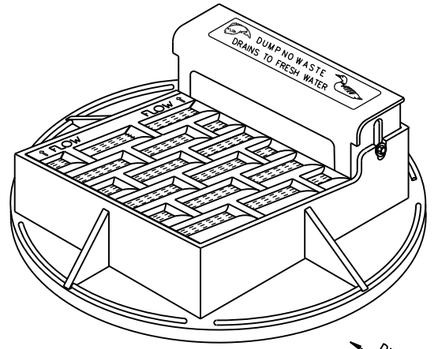
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

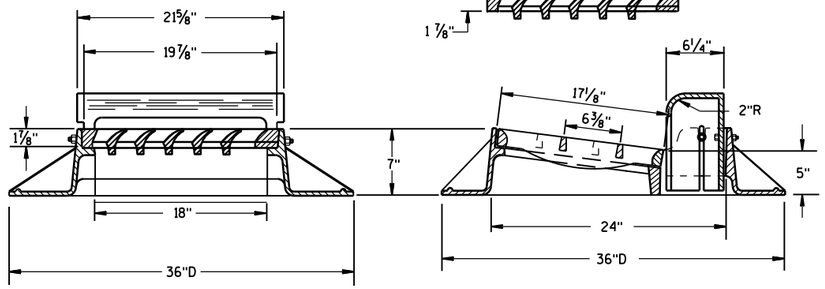


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



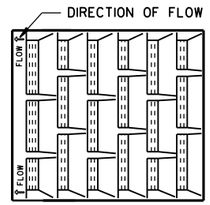
TYPE "A"

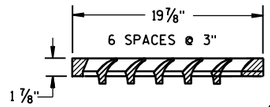
GENERAL NOTES

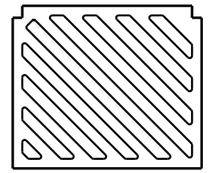
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



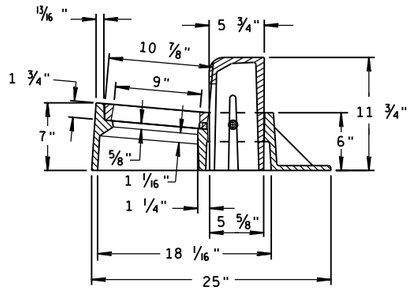


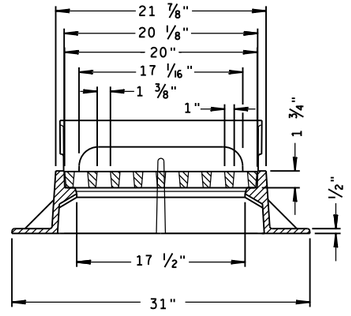


SPECIAL GRATE FOR TYPE "A" COVER

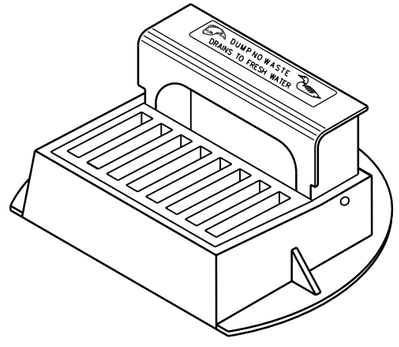
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"

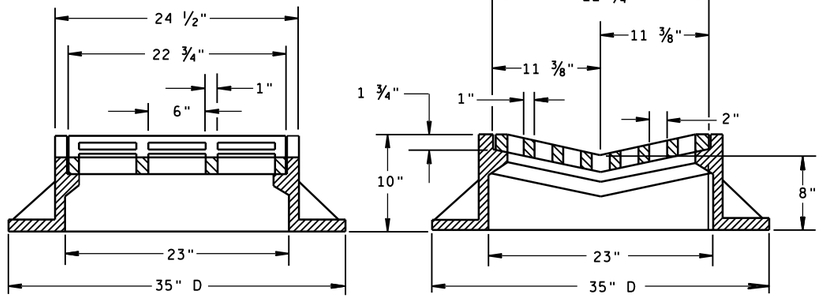


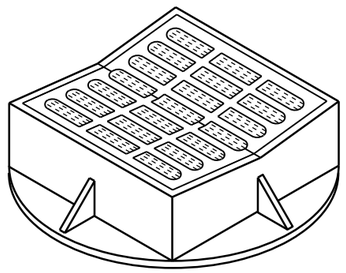
INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

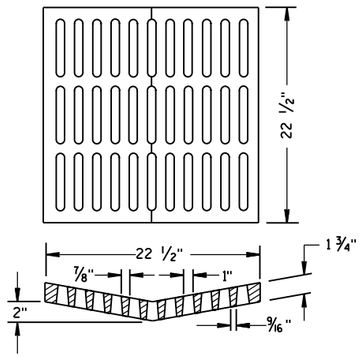
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

S.D.D. 8 A 5-19a



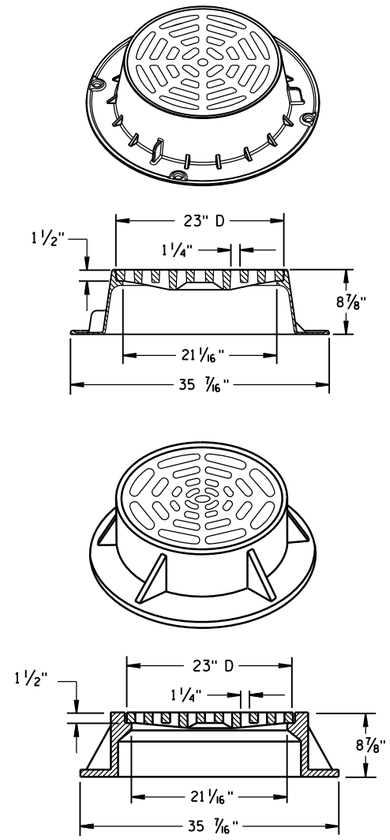


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

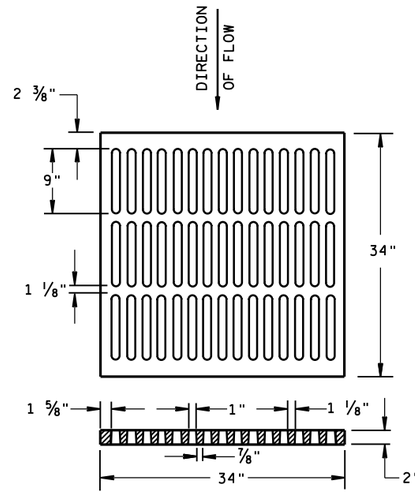
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

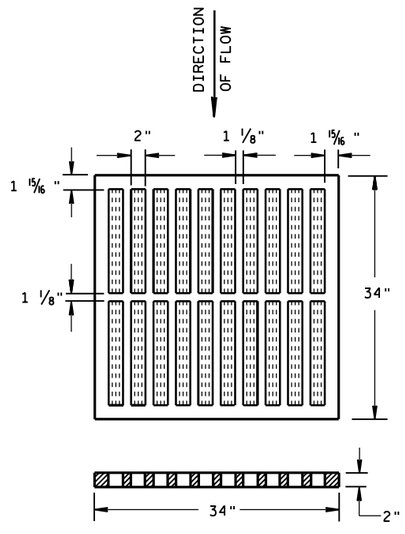
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



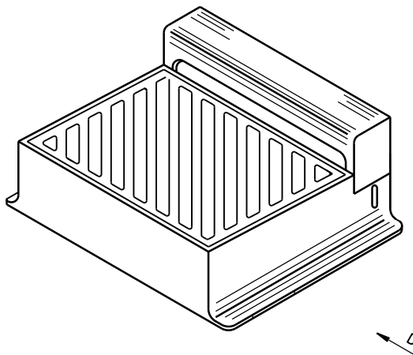
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



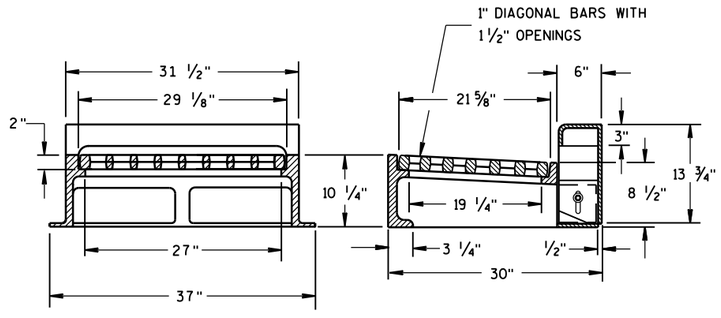
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

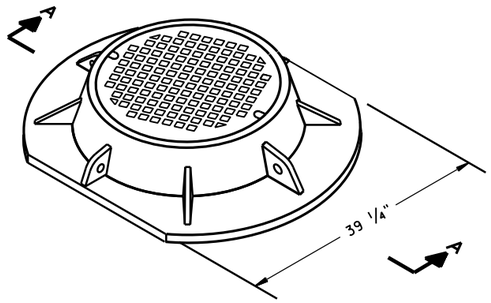
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

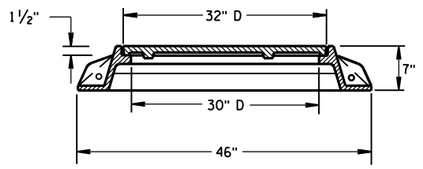
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

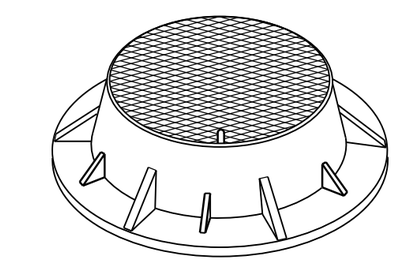
6

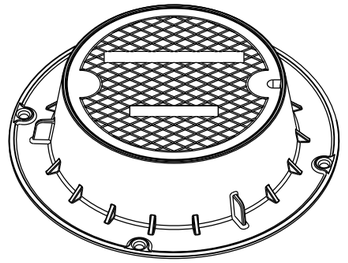
S.D.D. 8 A 5-19b

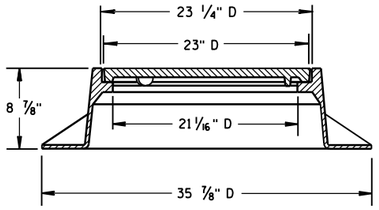


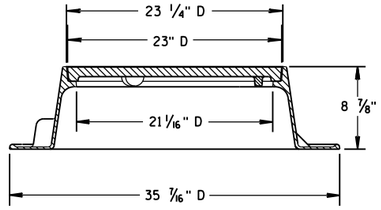


SECTION A-A
TYPE "K"









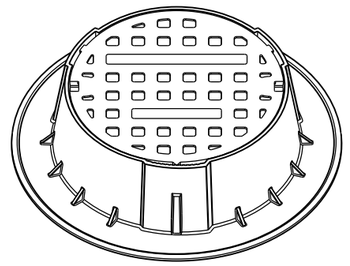
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

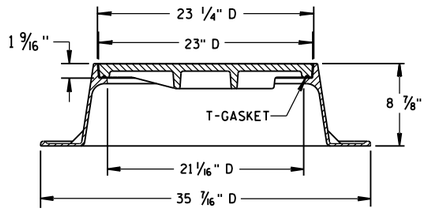
GENERAL NOTES

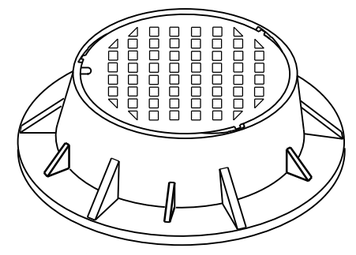
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

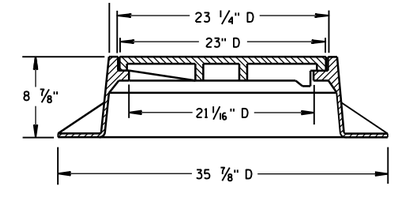
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

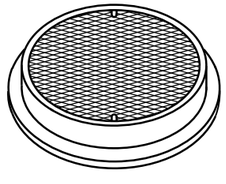


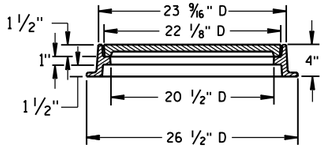






TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE





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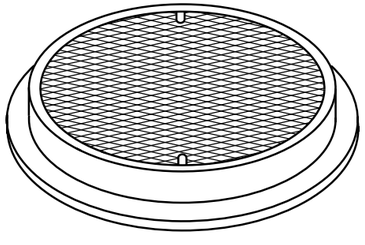

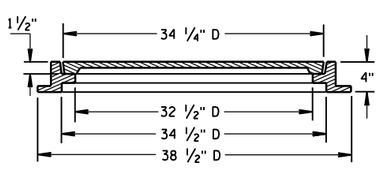

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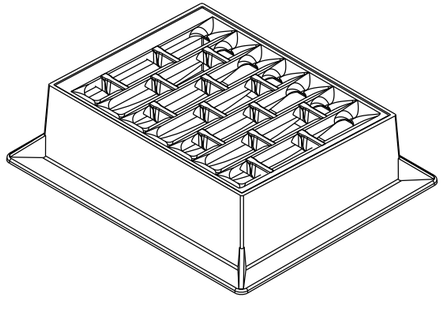
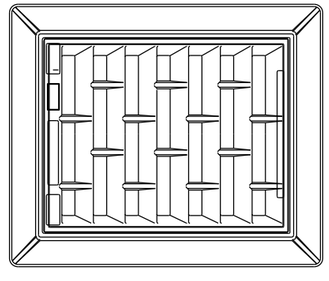
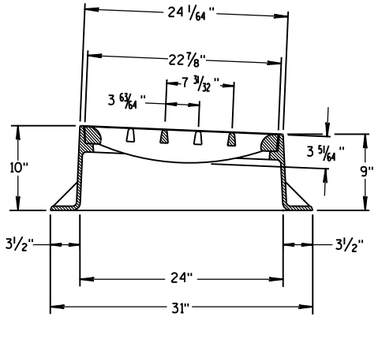
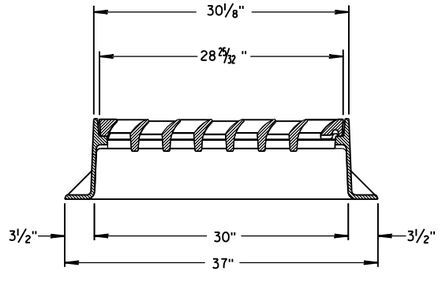








INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

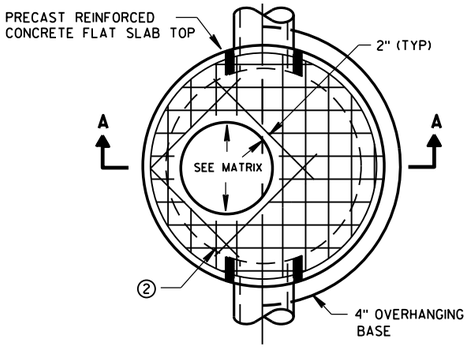
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

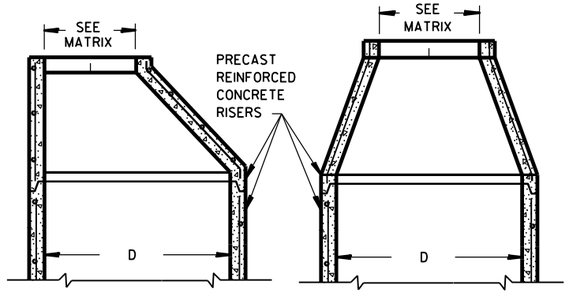
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

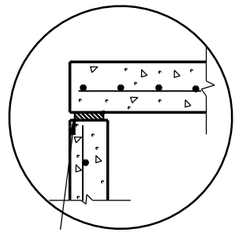


PLAN VIEW CIRCULAR OPENING

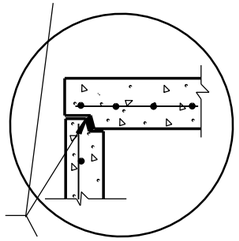


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

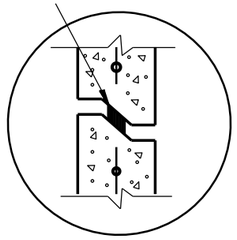


TOP WITH PLAIN END JOINT



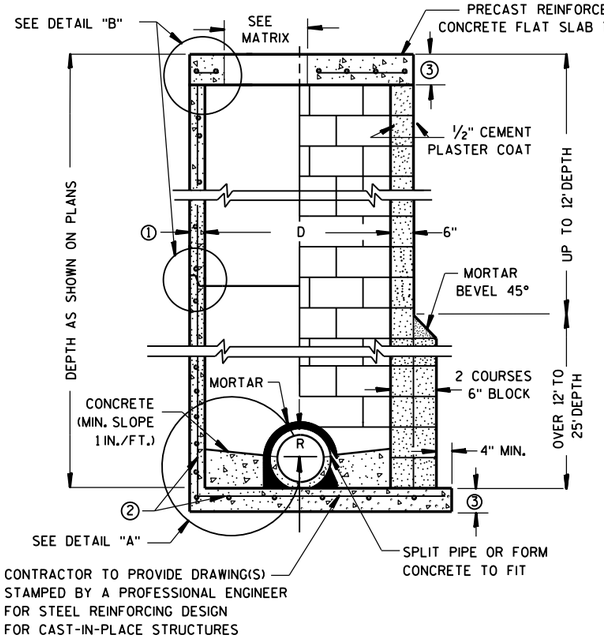
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



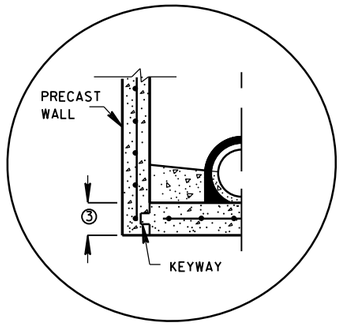
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

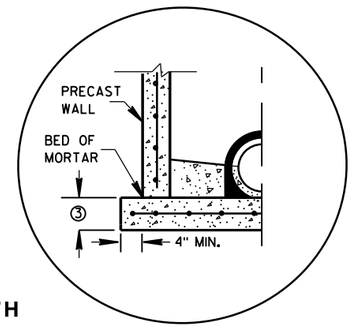


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

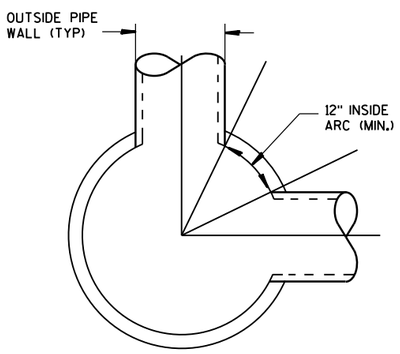


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

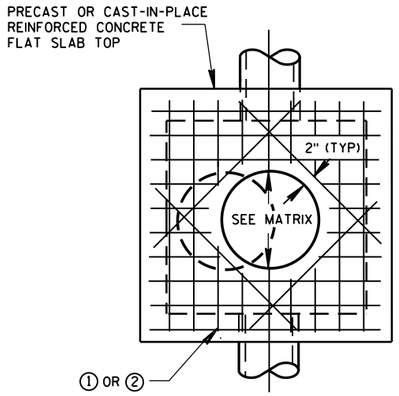
APPROVED

Sept., 2016
DATE

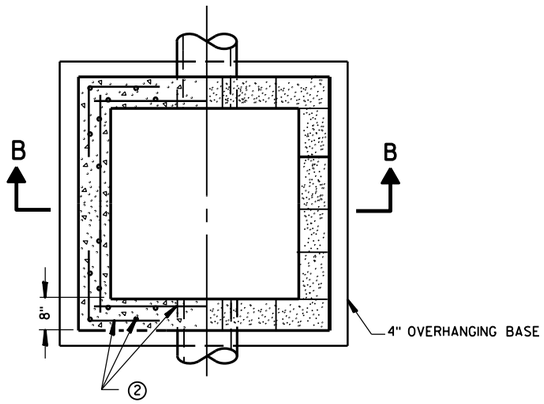
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

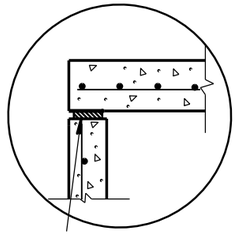
6
S.D.D. 8 B 9-2



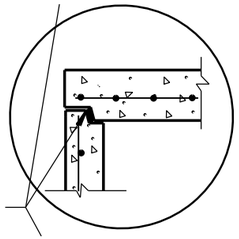
PLAN VIEW
CIRCULAR OPENING



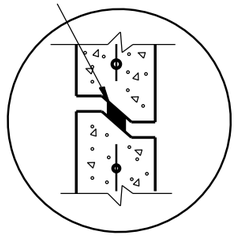
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

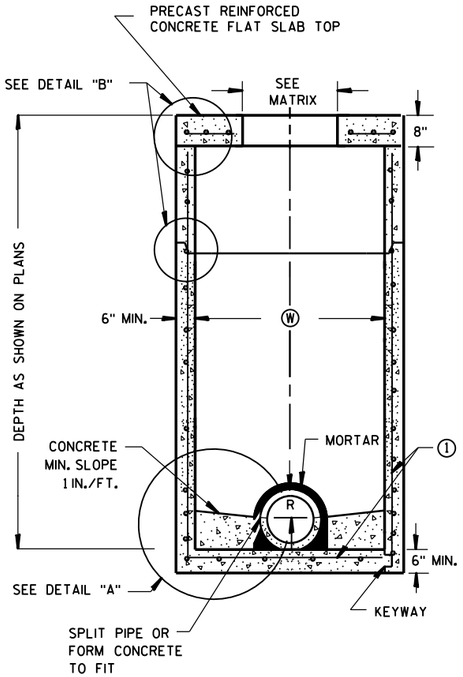


TOP WITH TONGUE AND GROOVE JOINT

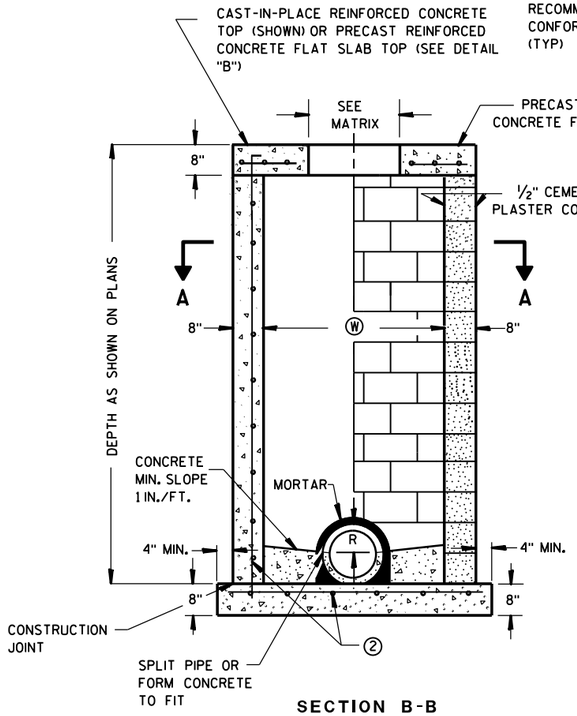


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

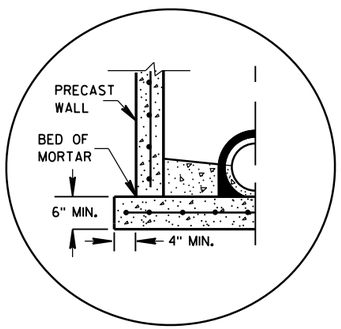


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

SECTION B-B

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

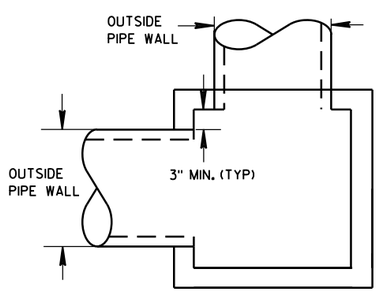
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

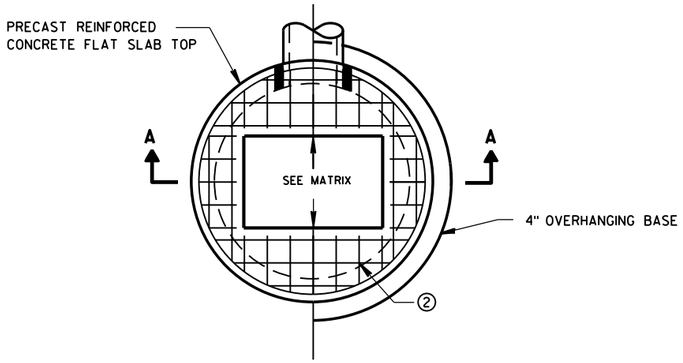
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

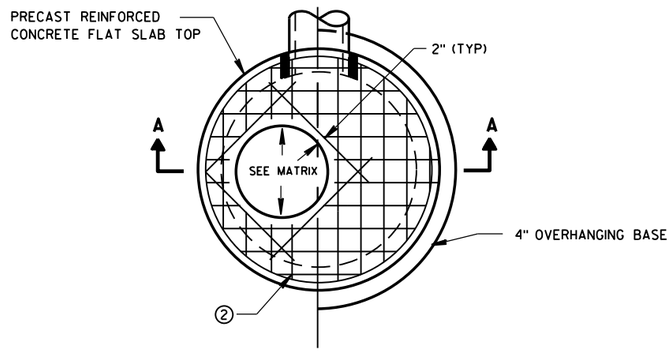
S.D.D. 8 B 10-2

6

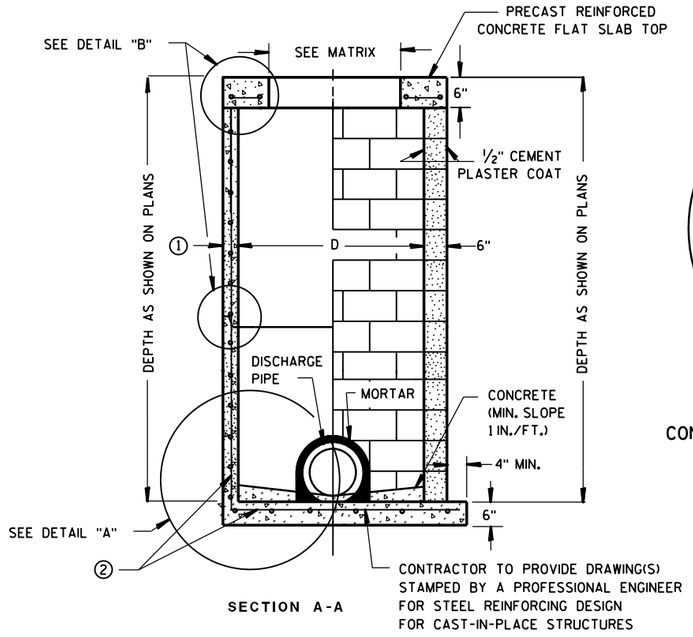
S.D.D. 8 B 10-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

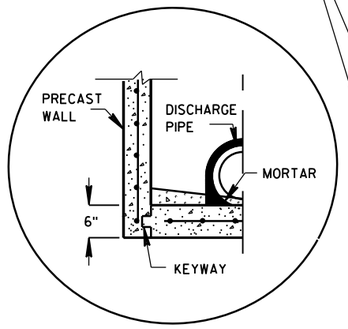


SECTION A-A

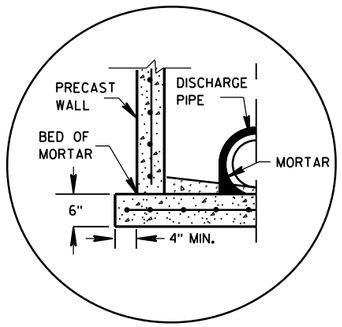
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

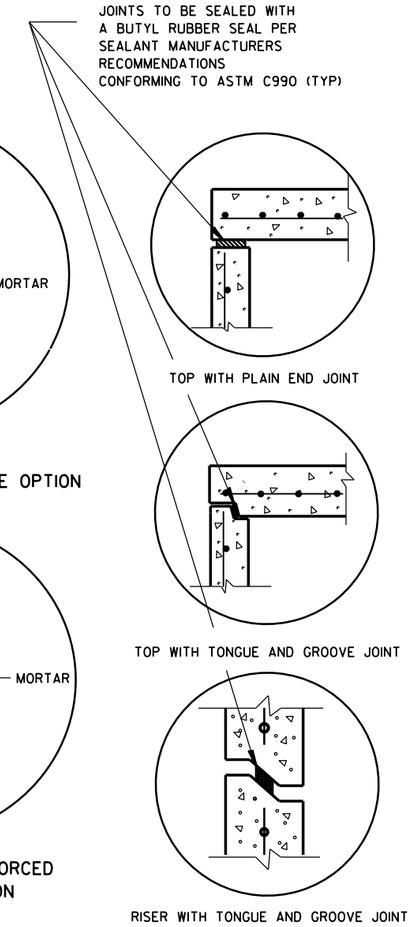


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

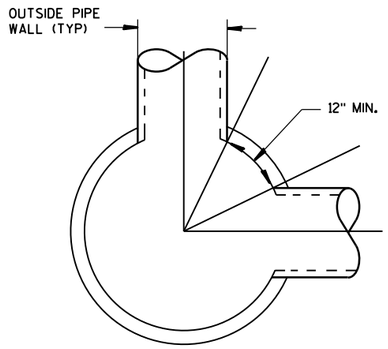
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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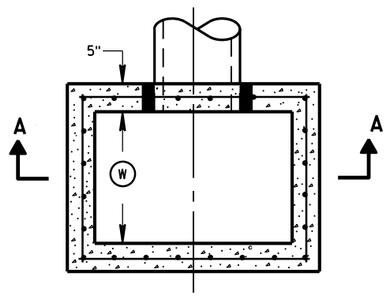
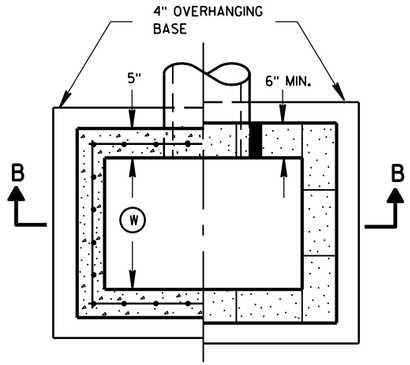
INLETS 3-FT AND 4-FT DIAMETER

6

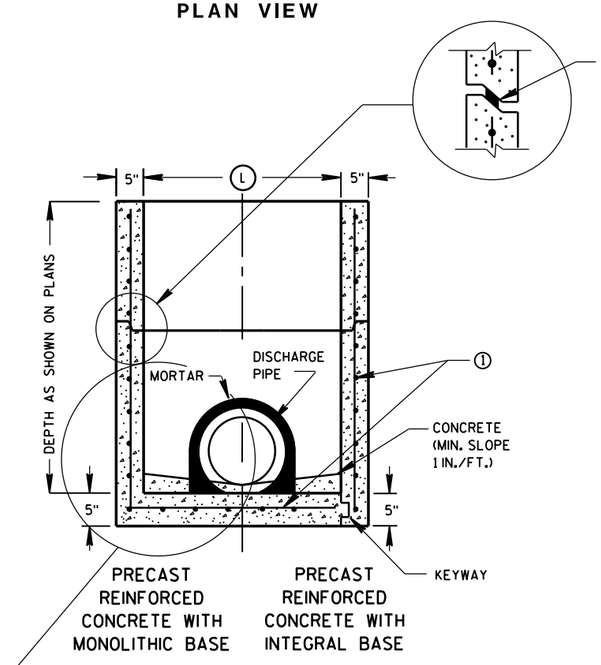
S.D.D. 8 C 6-2



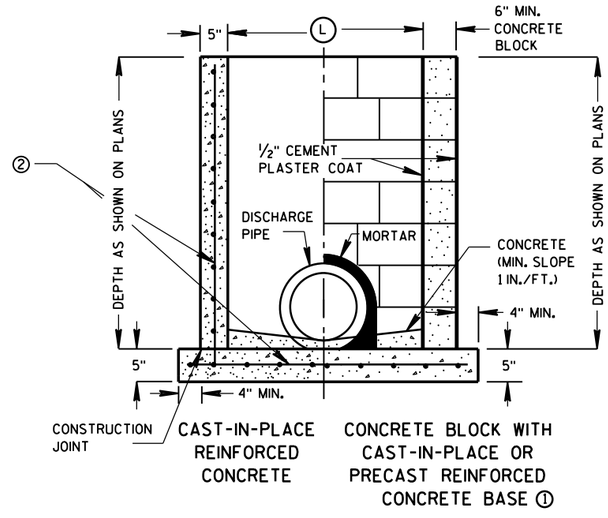
PLAN VIEW



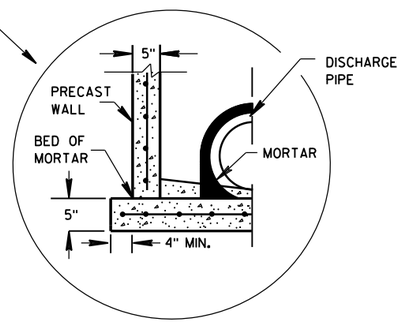
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
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MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

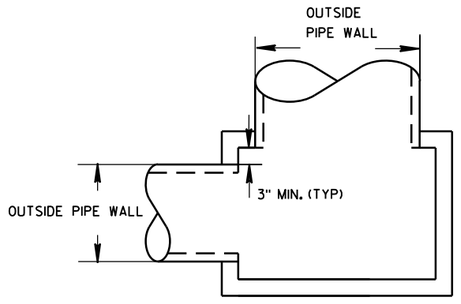
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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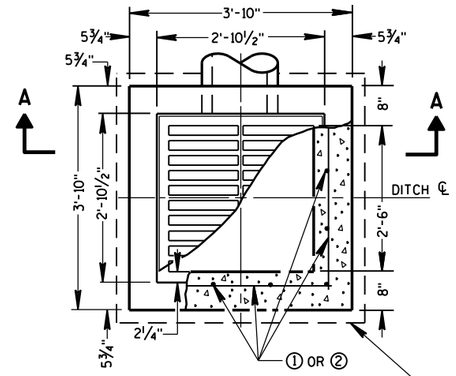
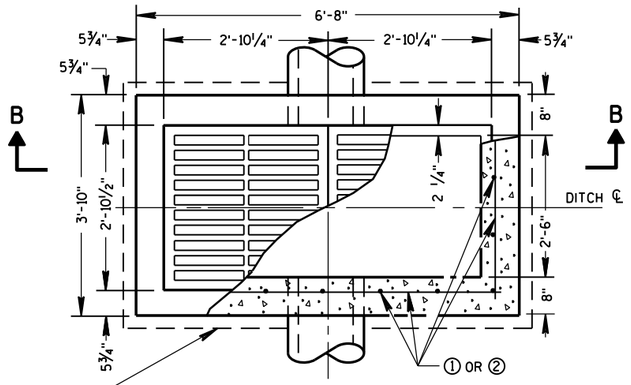
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

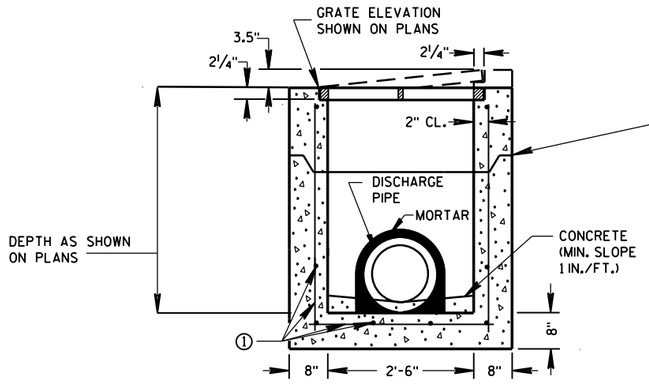


PLAN VIEW

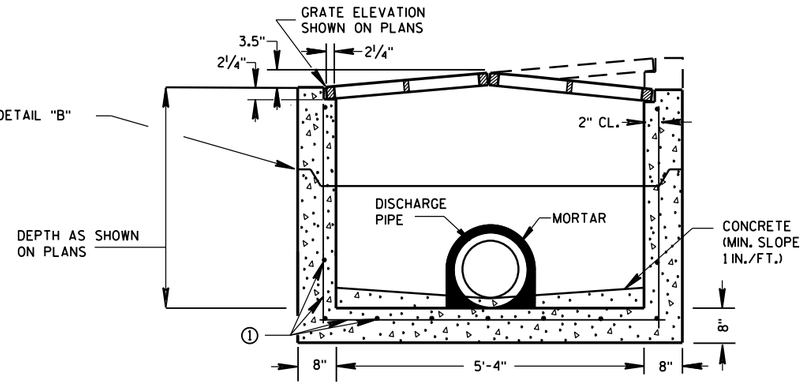


PLAN VIEW

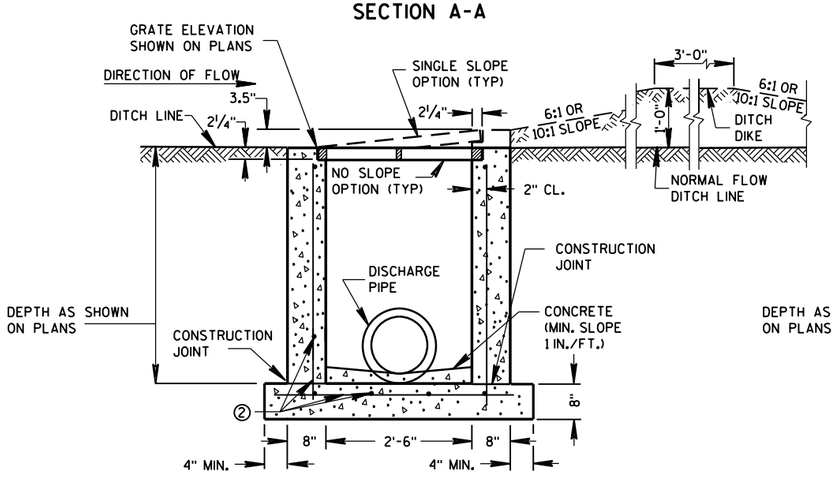
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

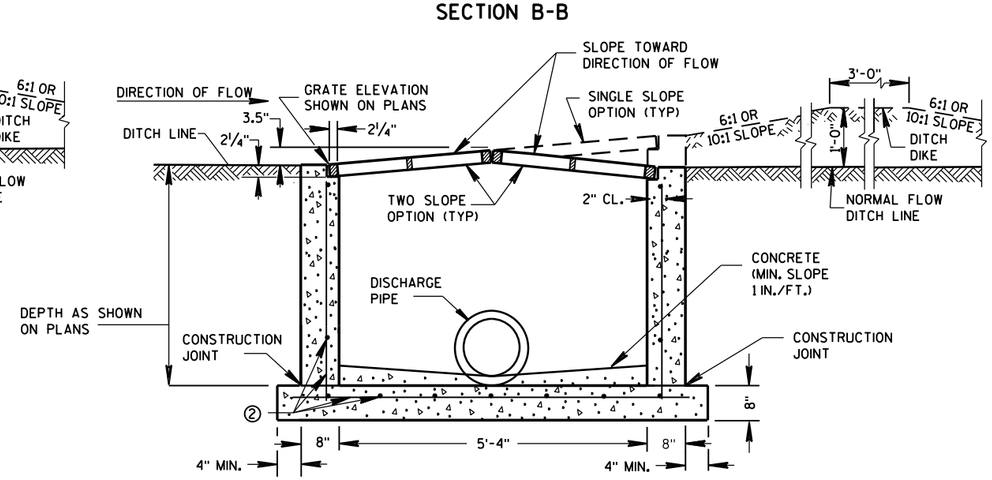


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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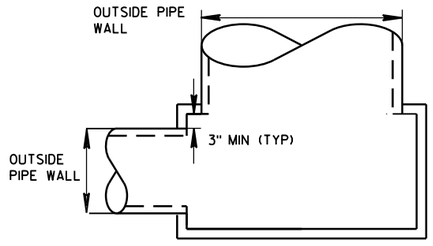
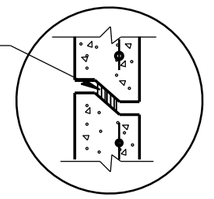
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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FHWA

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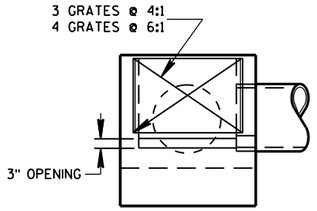
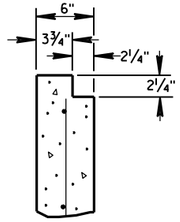


SECTION B-B



SECTION C-C

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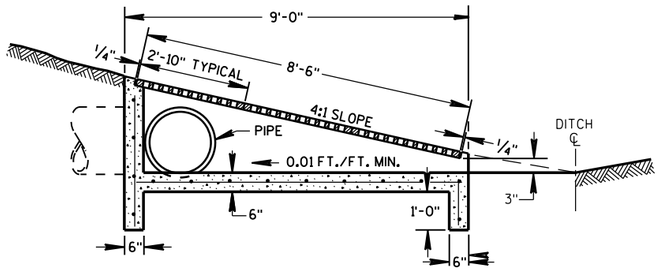
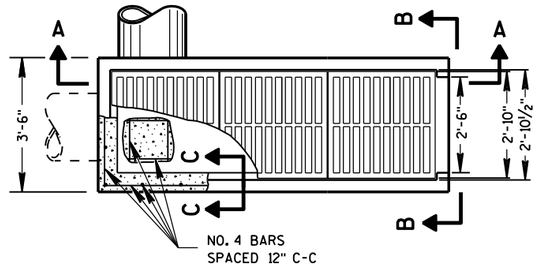
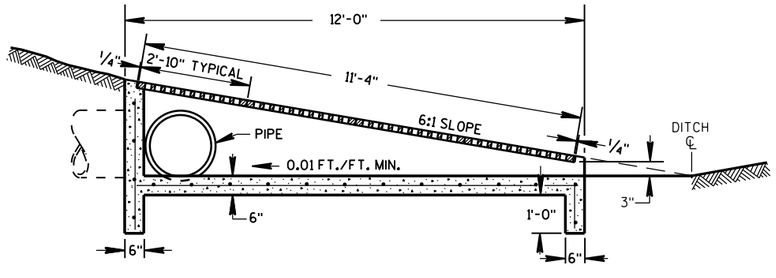


SECTION A-A

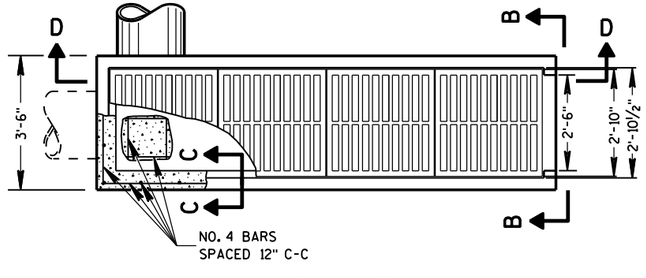


PLAN VIEW

INLETS MEDIAN 3 GRATE



SECTION D-D



PLAN VIEW

INLETS MEDIAN 4 GRATE

INLETS MEDIAN 3 AND 4 GRATE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept., 2016 DATE FHWA	/S/ Rodney Taylor ROADWAY STANDARDS UNIT SUPERVISOR

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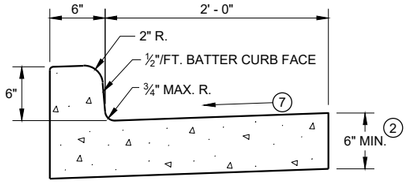
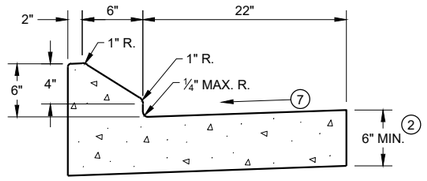
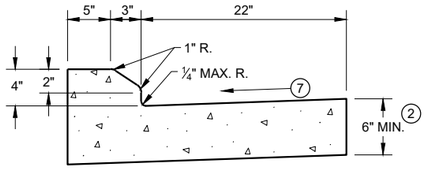
S.D.D. 8 C 9-2



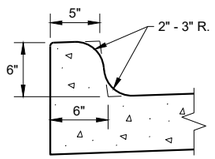
TYPES A[1] & D



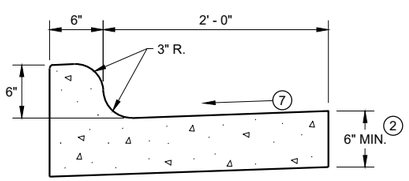
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

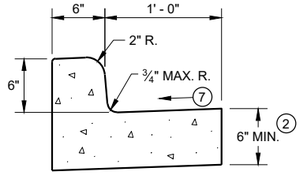


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



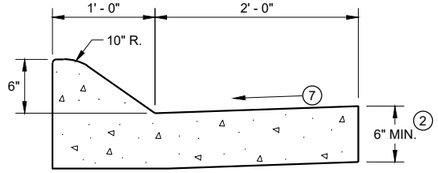
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

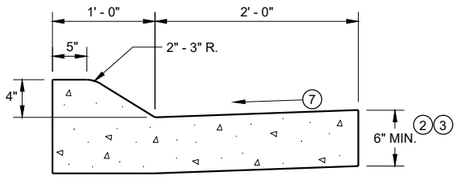


TYPES A[1] & D

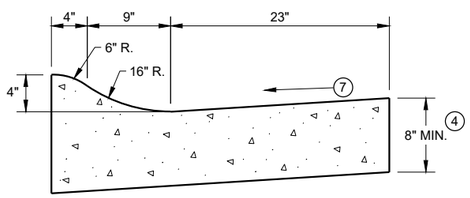
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D



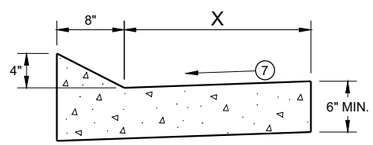
4" SLOPED CURB TYPES A[1] & D



4" SLOPED CURB TYPES R[1] & T[5]

CONCRETE CURB AND GUTTER 36"

TBT & TBTT	X
30"	22"
36"	28"

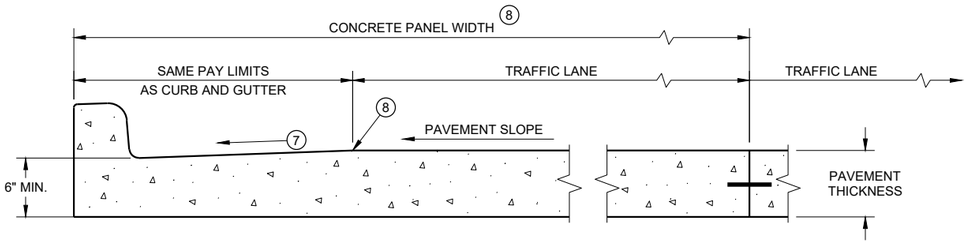


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

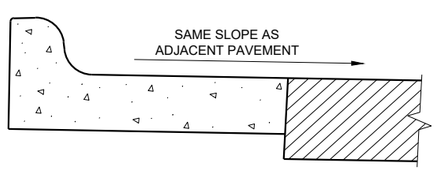
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER[6]
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

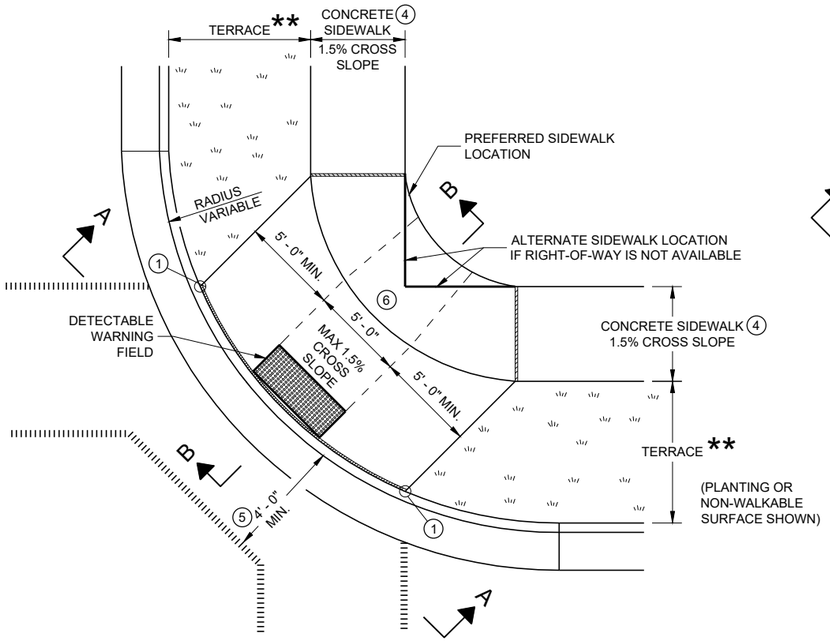
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
6. WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
7. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
8. INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

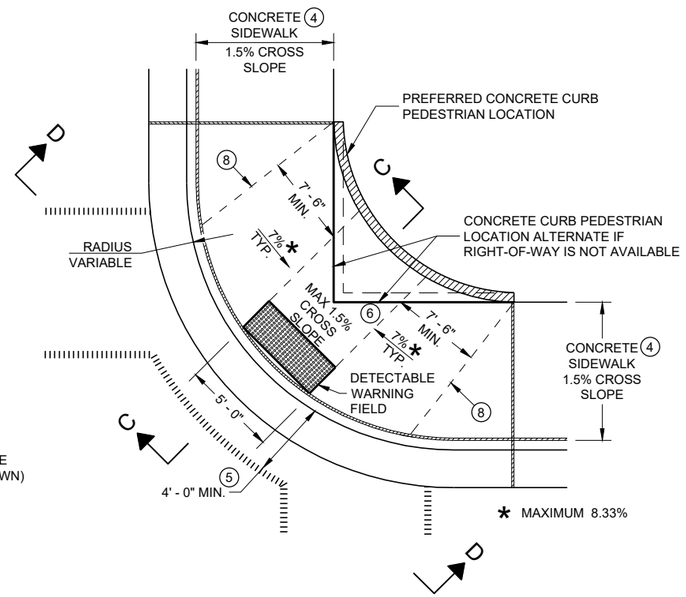
SDD 08D01 - 21a



PLAN VIEW

CURB RAMP TYPE 1

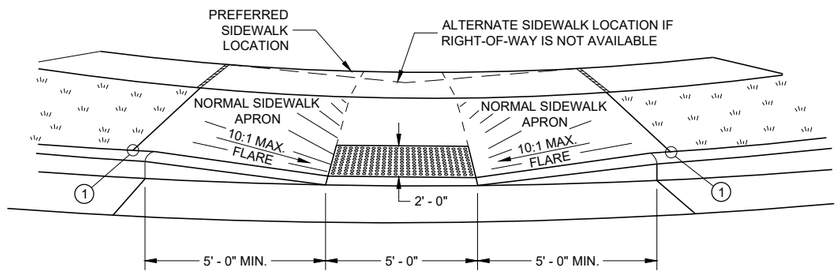
(CENTER OF CORNER RADIUS)



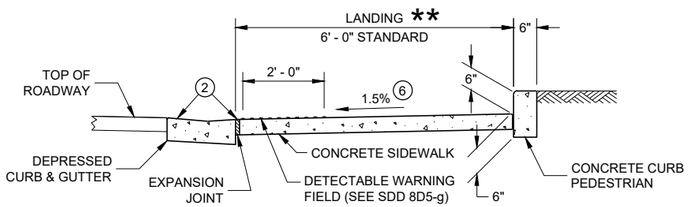
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

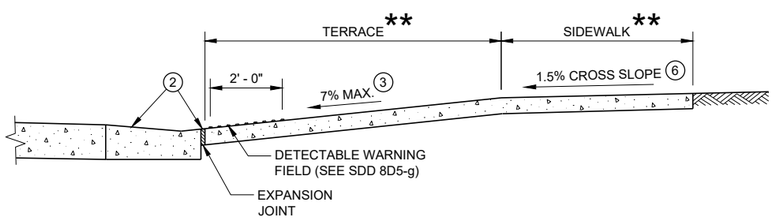


VIEW A - A FOR TYPE 1

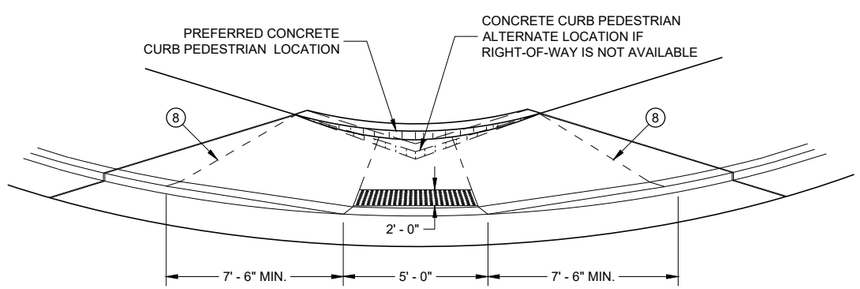


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

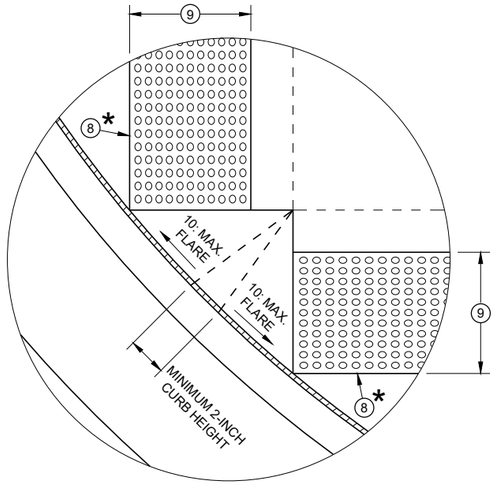
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

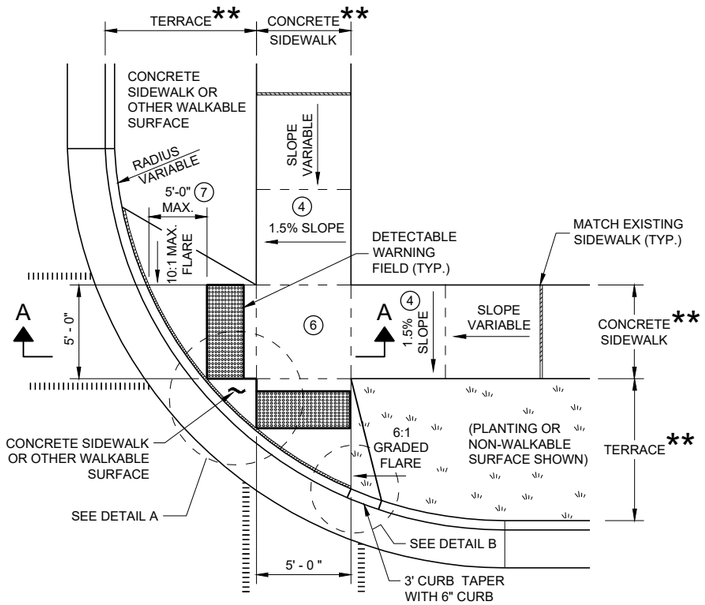
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

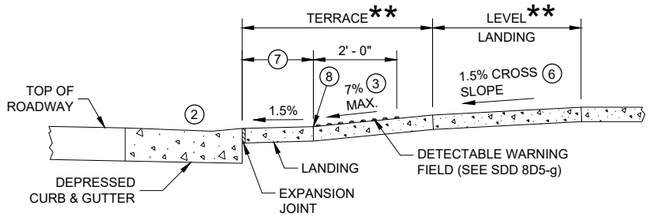
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

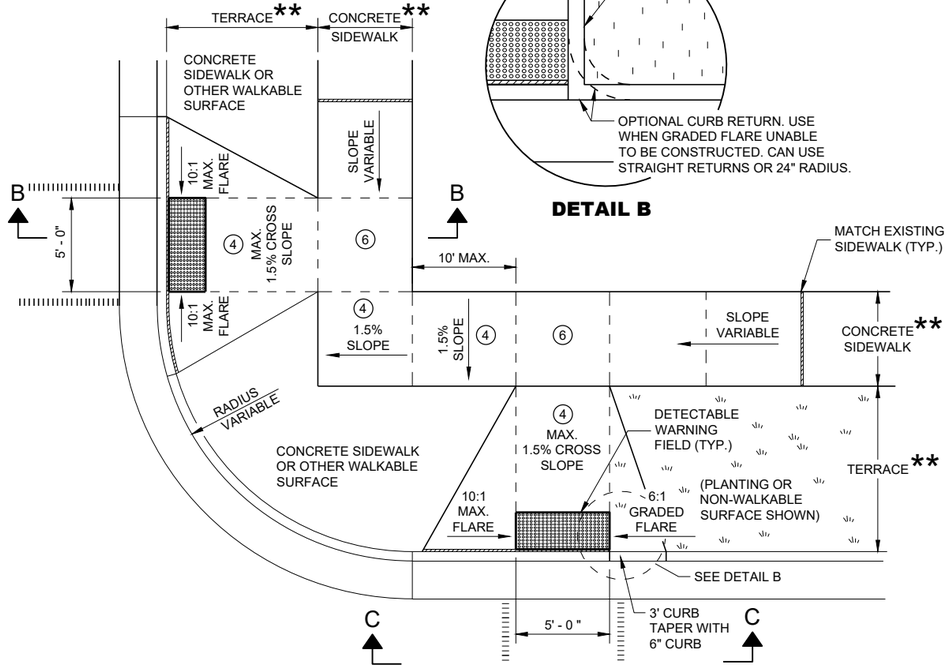
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

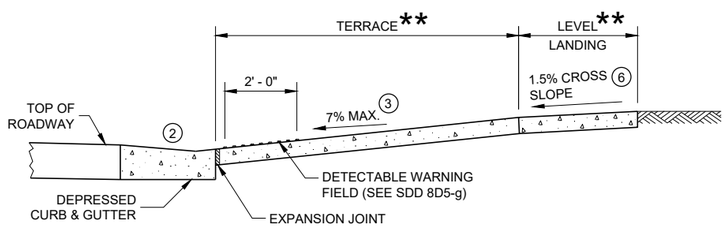
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

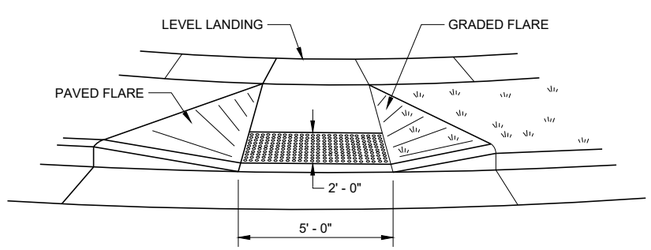


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

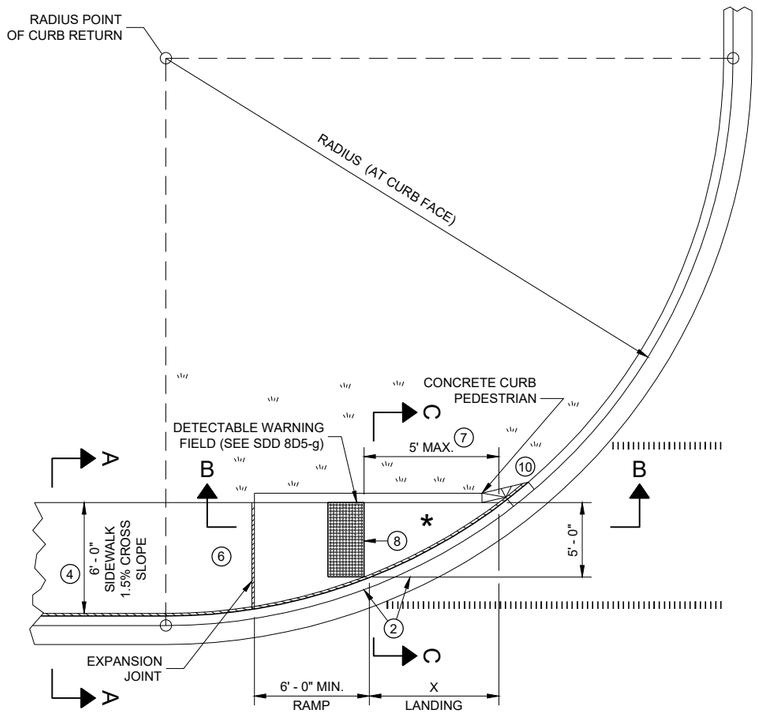
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

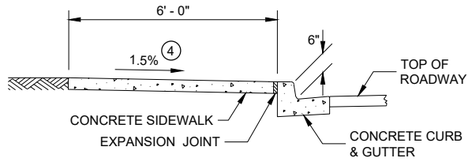


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

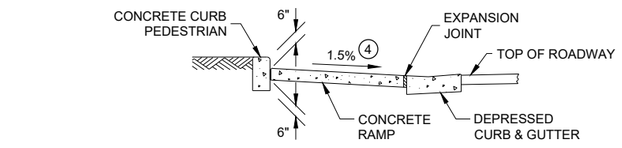
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

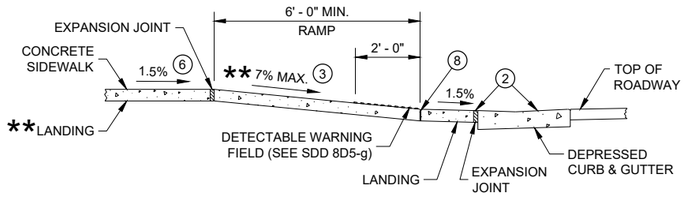
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



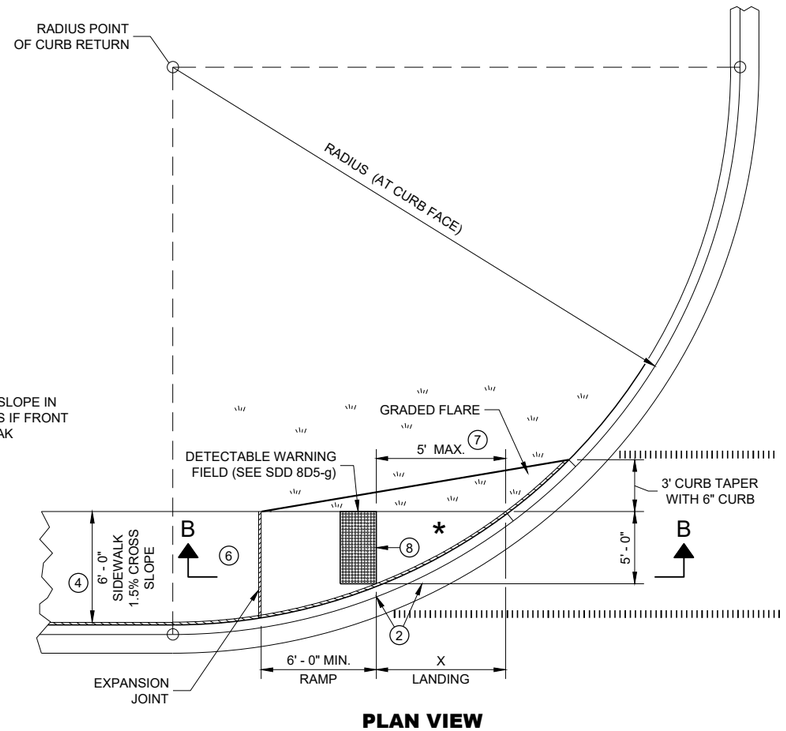
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

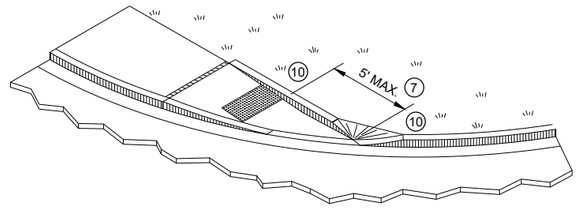
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

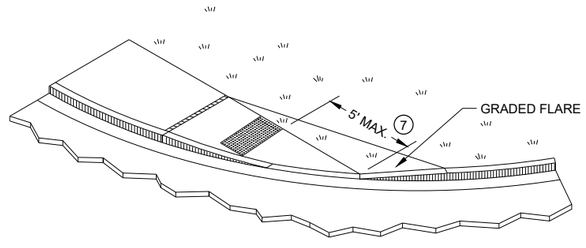


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



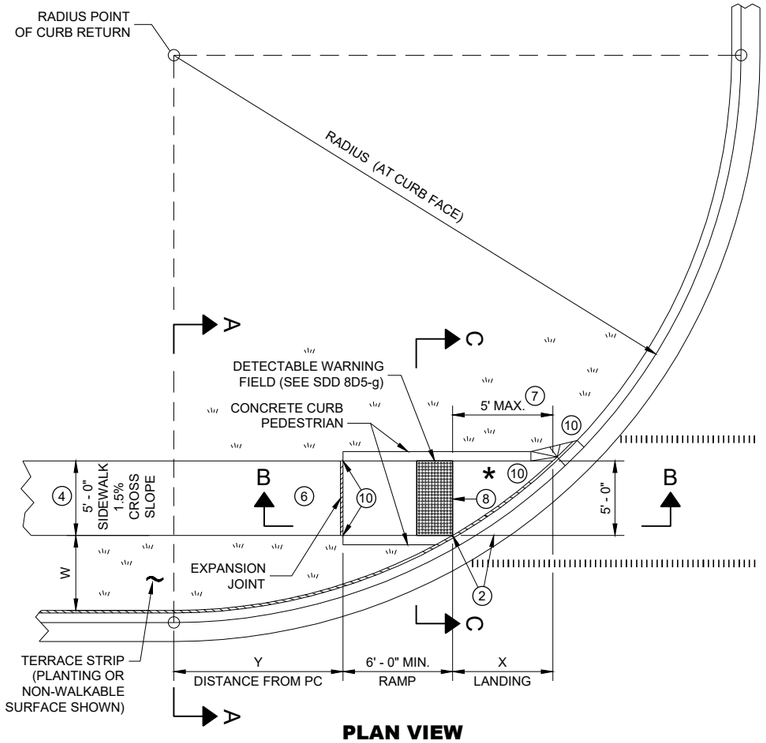
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

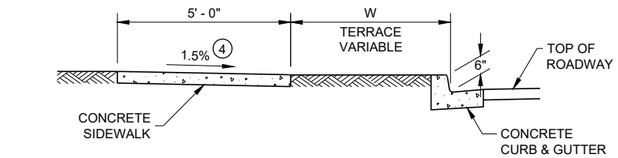
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

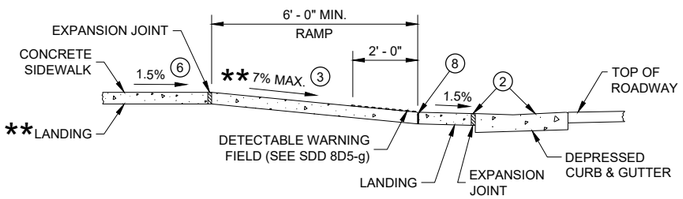
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



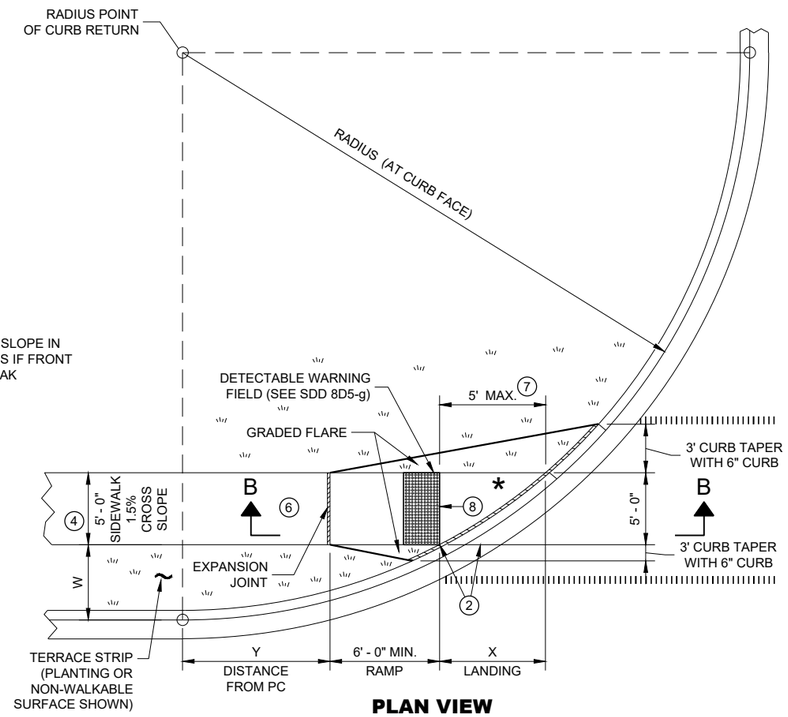
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

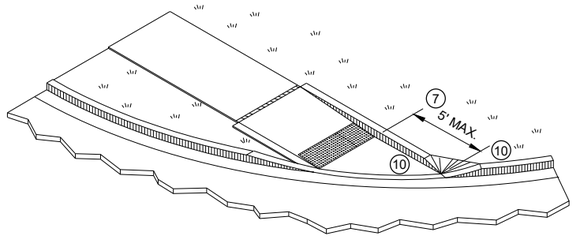
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

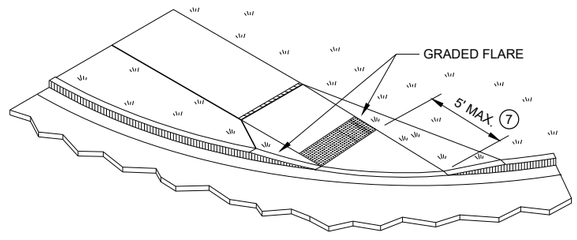


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

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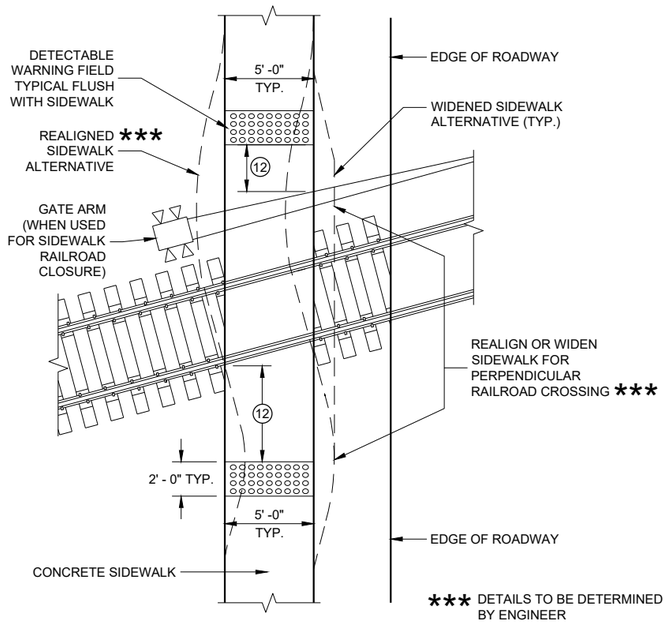
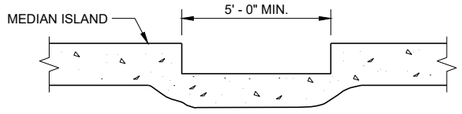
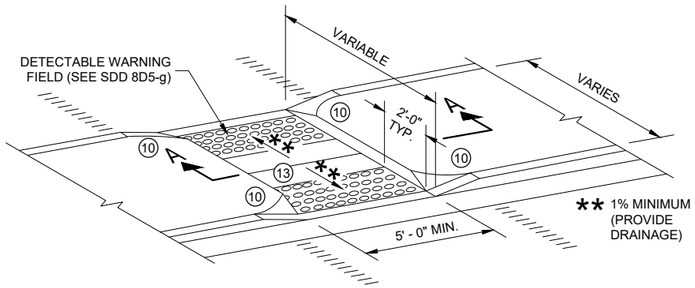


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

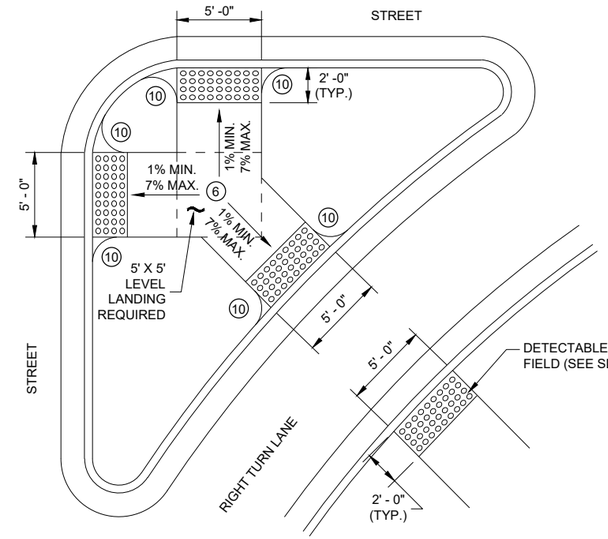
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

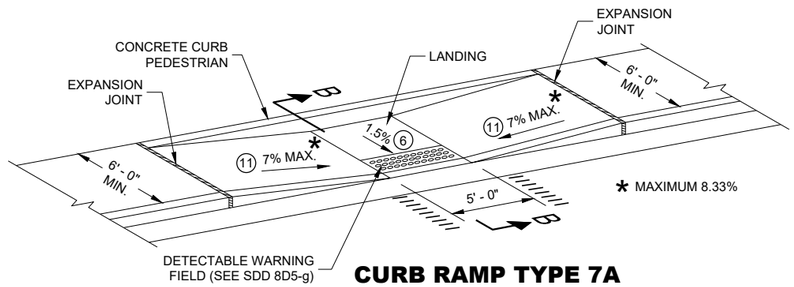
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

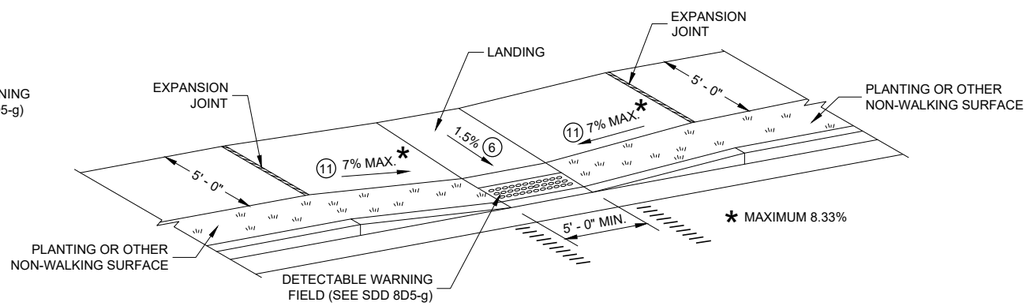
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

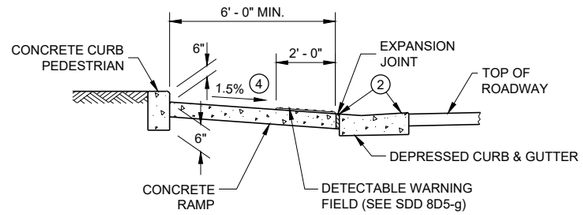
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

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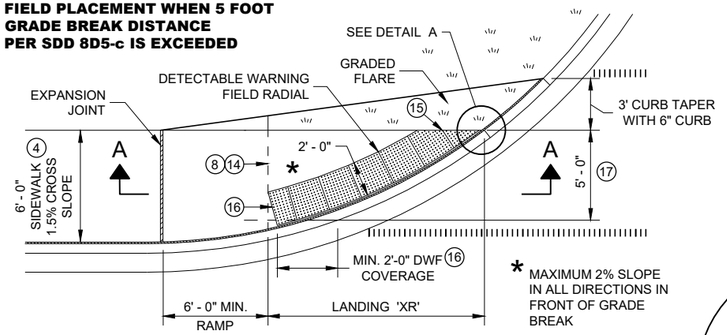
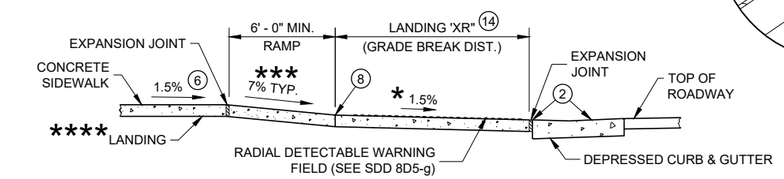
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

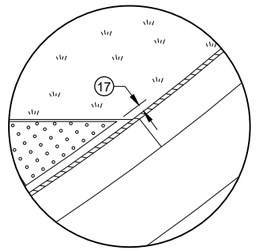
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

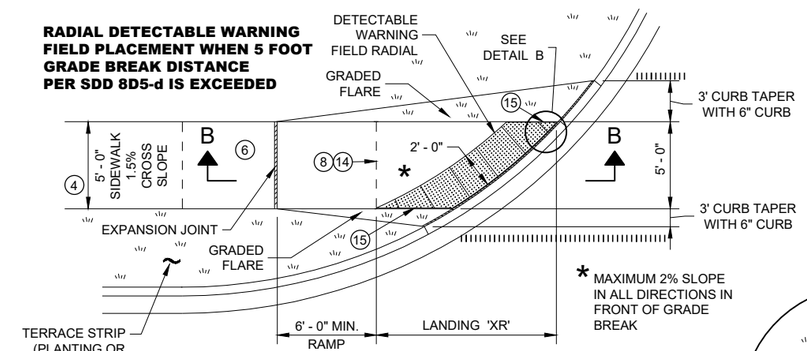
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

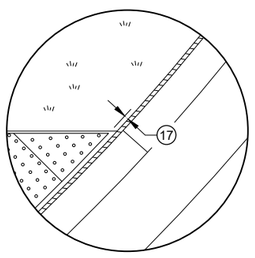
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



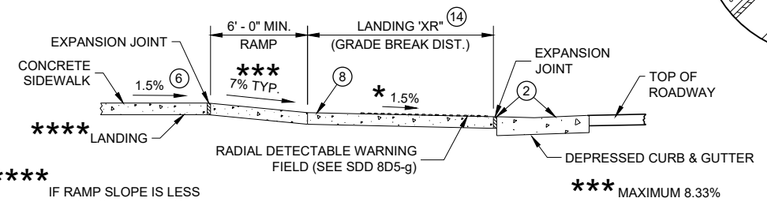
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

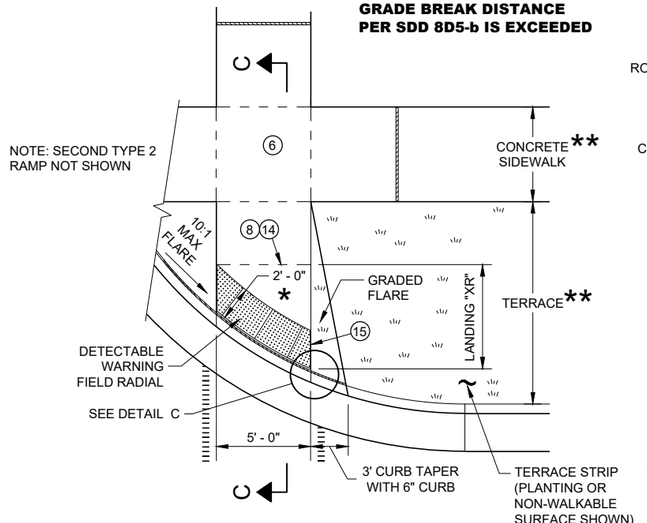


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

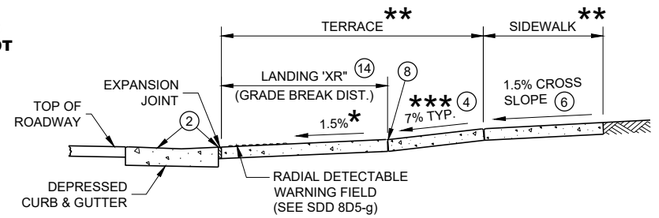


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

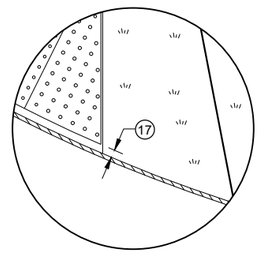


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
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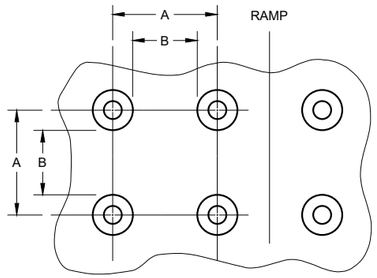
	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

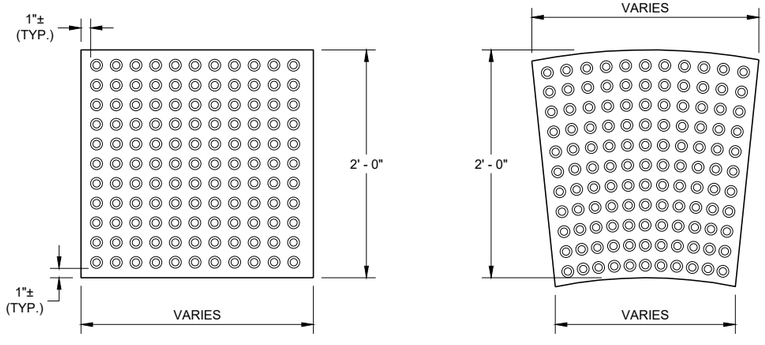
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW

ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

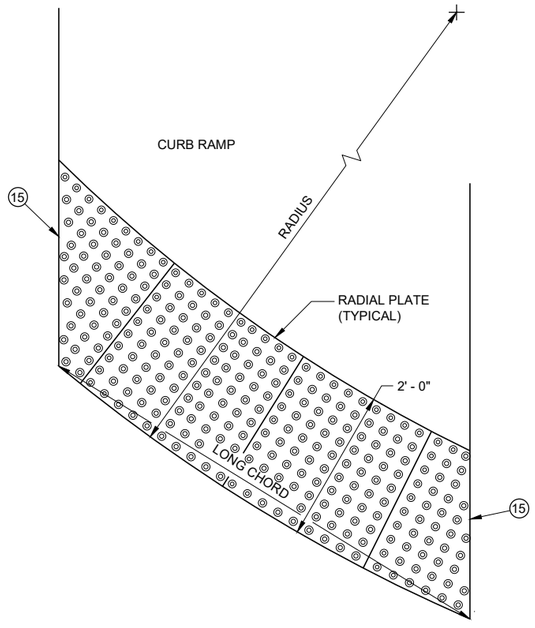
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

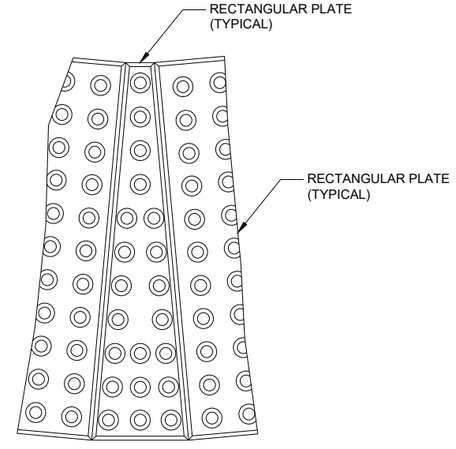
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

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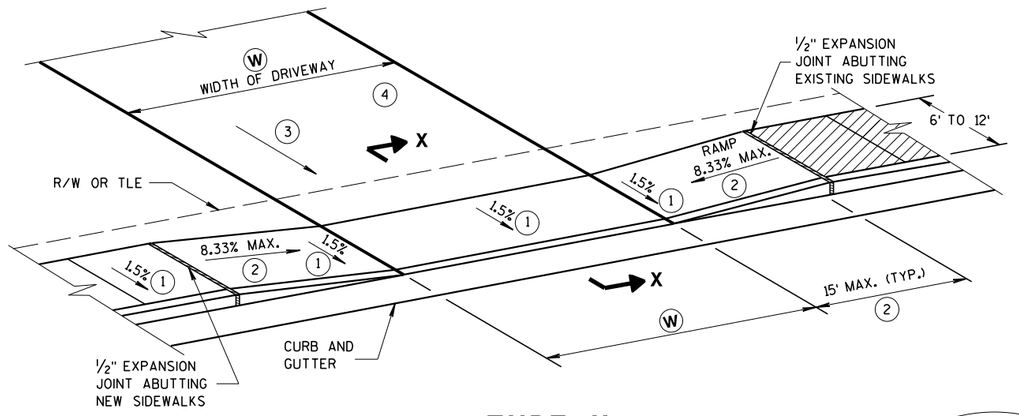
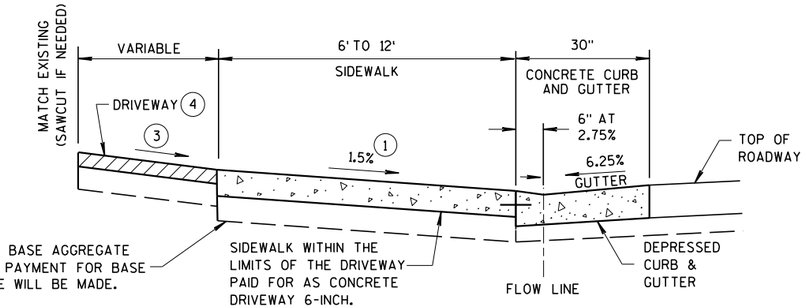
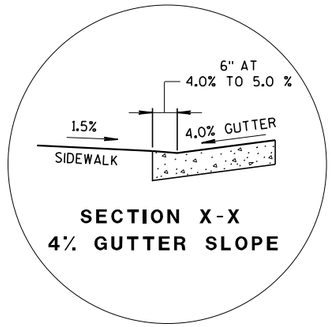
SDD 08D05 - 20g



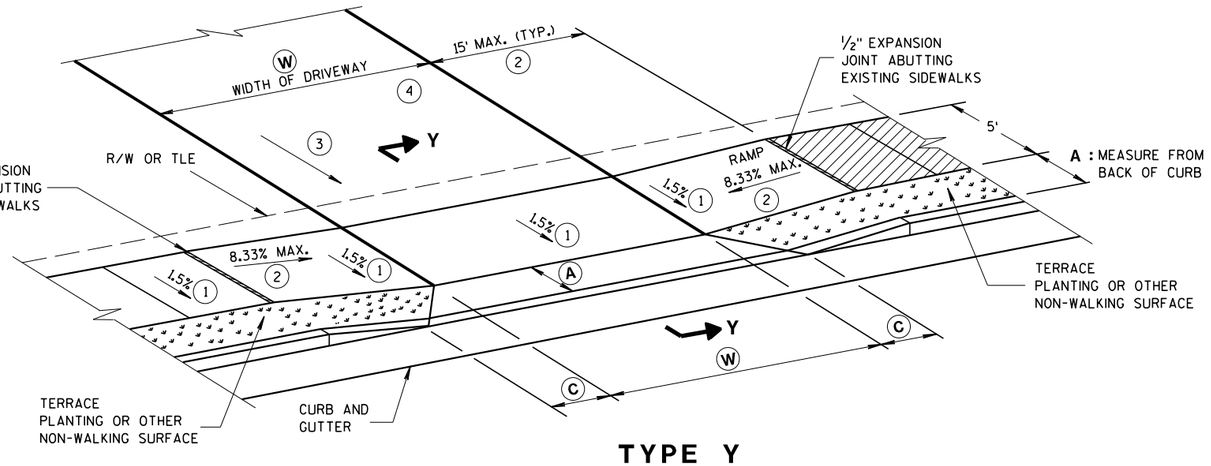
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

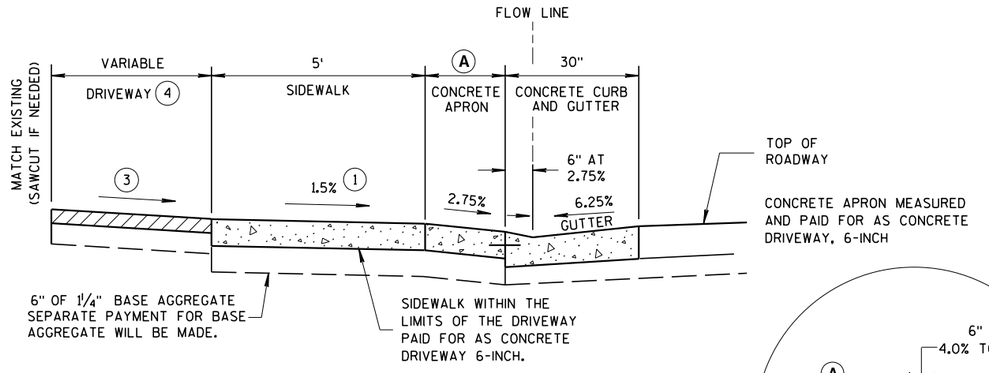
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

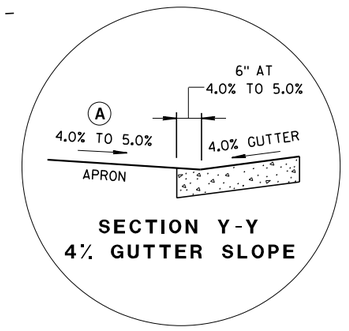
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y



SECTION Y-Y
4% GUTTER SLOPE

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

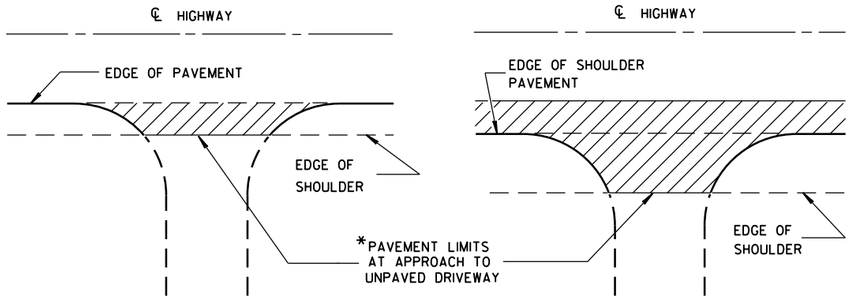
APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6

S.D.D. 8 D 18-2

6

S.D.D. 8 D 18-2

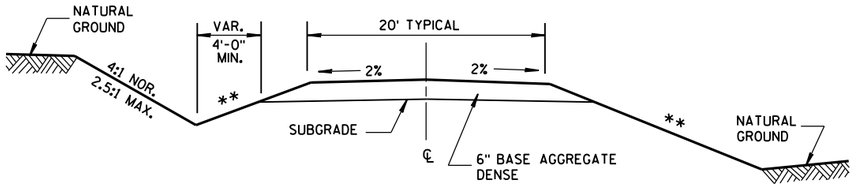


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB & GUTTER OR SIDEWALK)

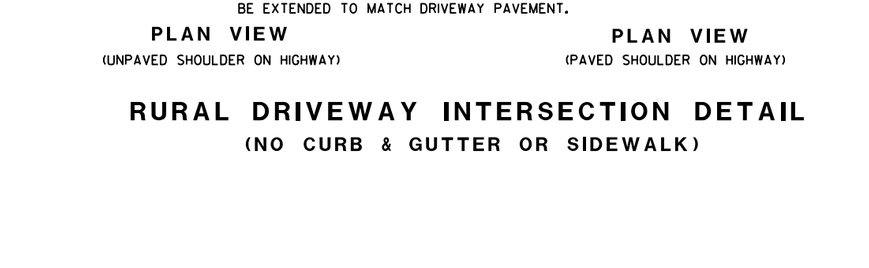


IN CUT **IN FILL**

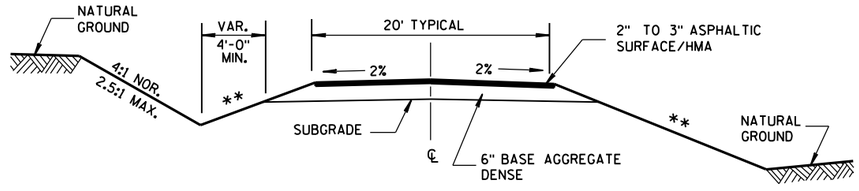
TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥35 TO <60	6:1
≥60	10:1



TYPICAL DRIVEWAY PROFILES



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

DRIVEWAYS WITHOUT CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

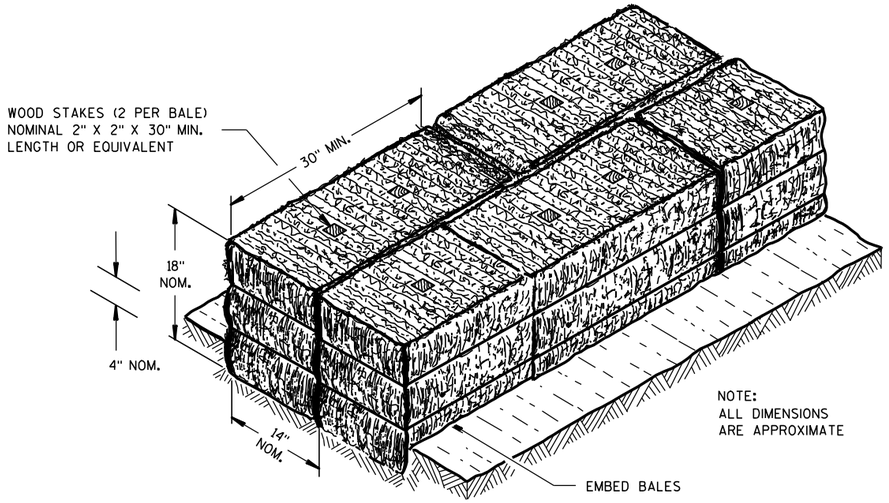
APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV
FHWA

6

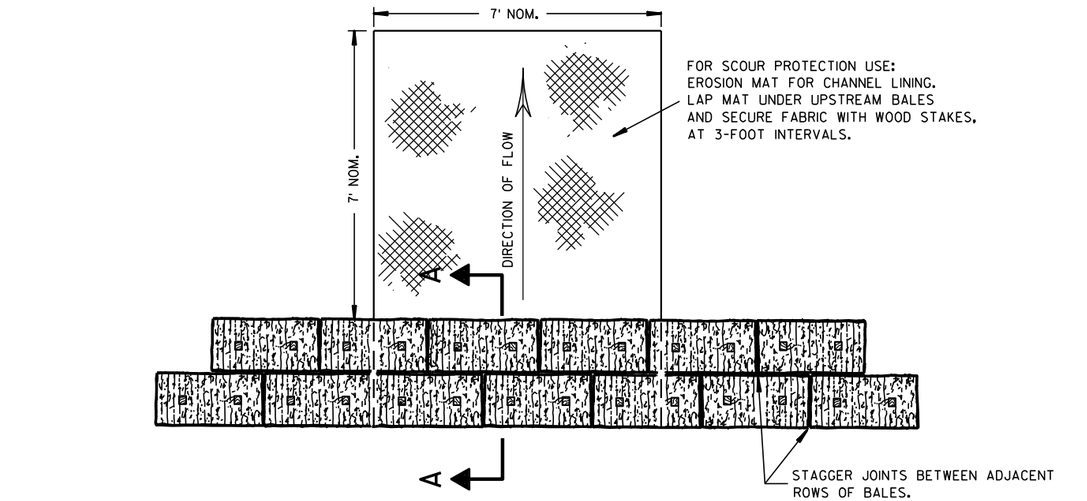
S.D.D. 8 D 21-1

6

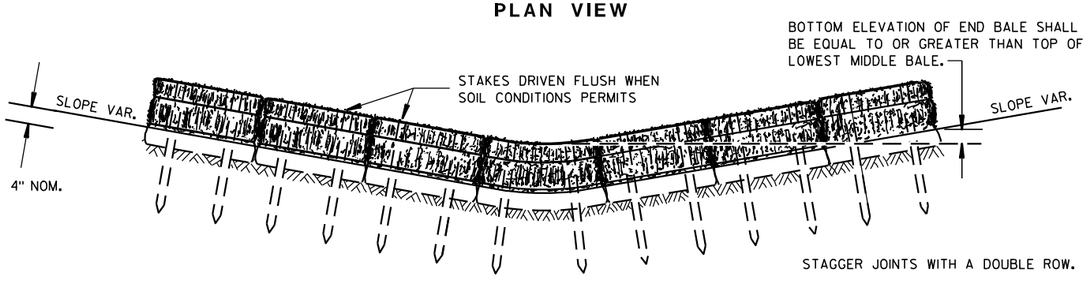
S.D.D. 8 D 21-1



SECTION A-A



PLAN VIEW



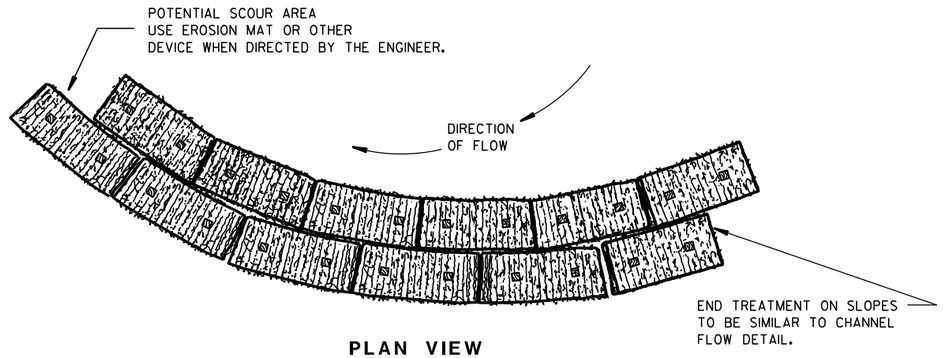
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

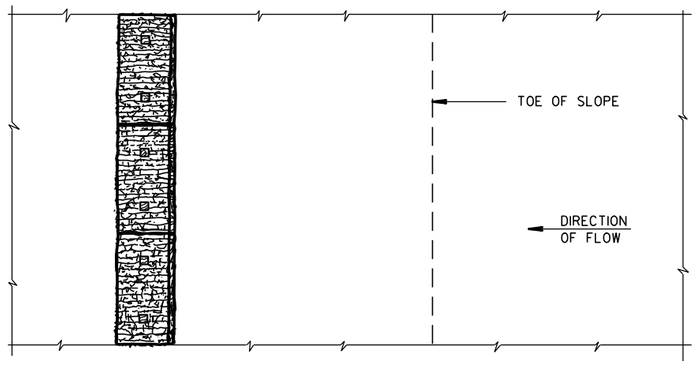
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

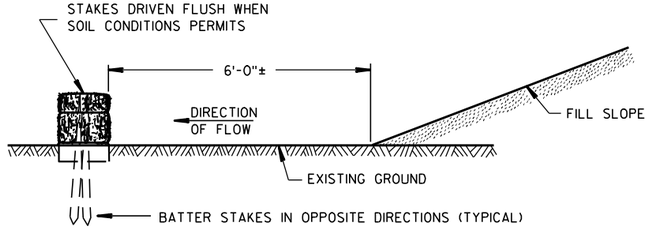


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

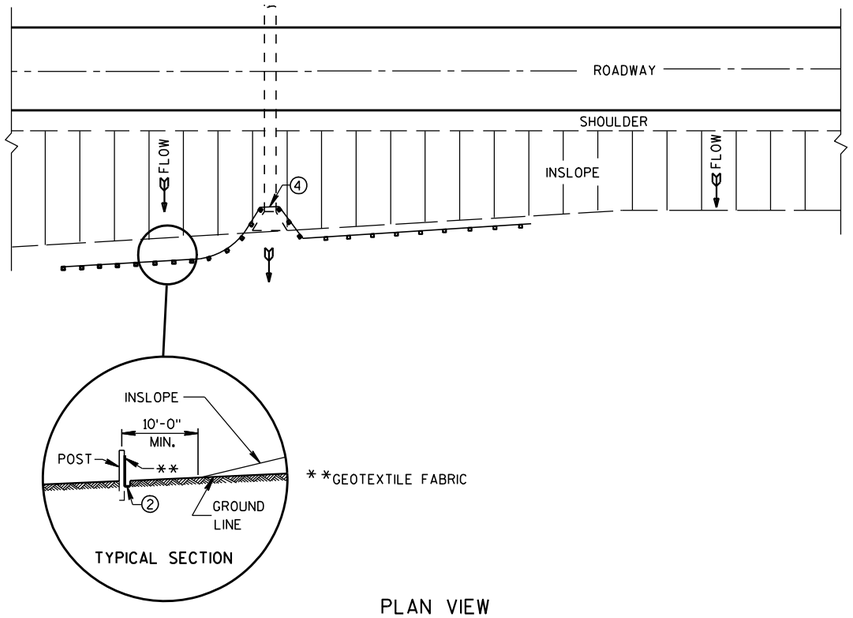
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

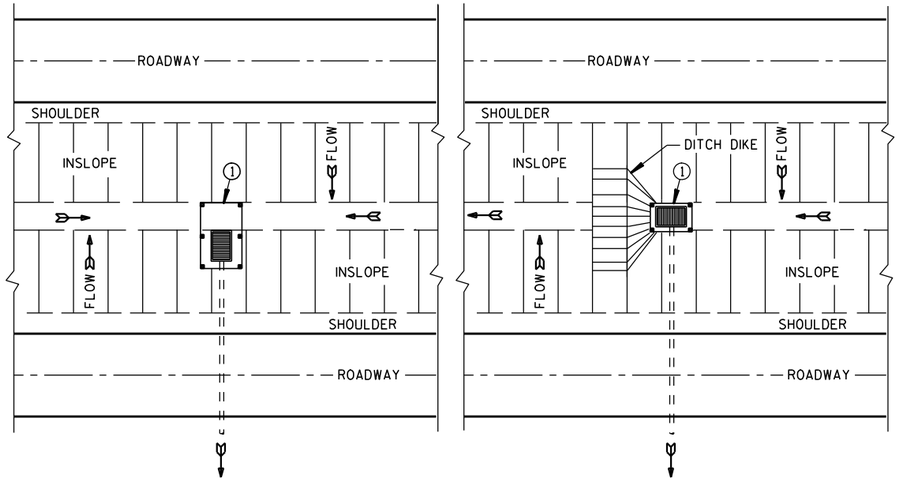
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



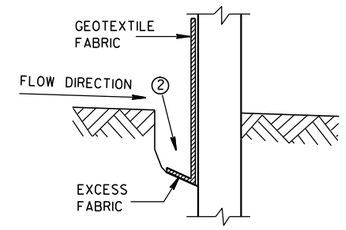
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

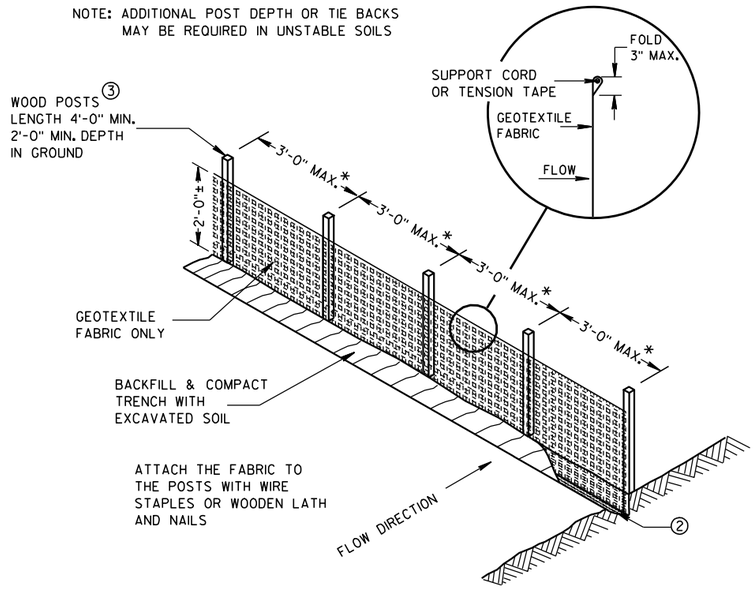
GENERAL NOTES

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

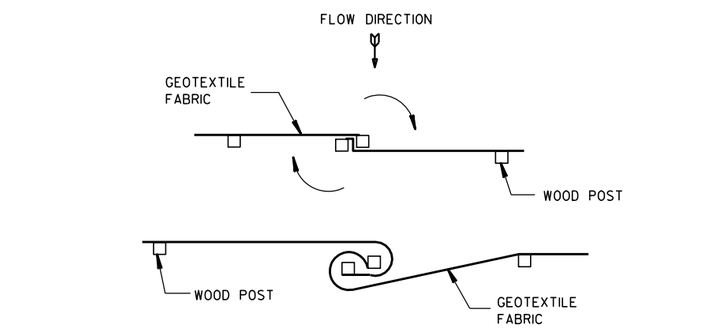
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



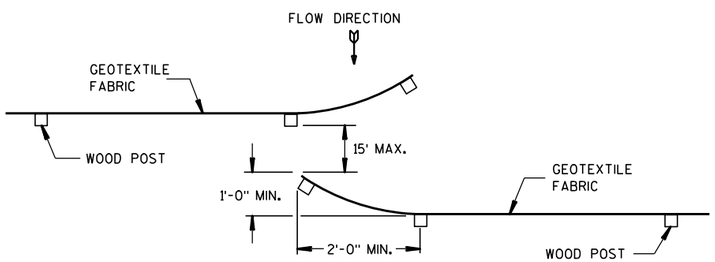
TRENCH DETAIL



SILT FENCE

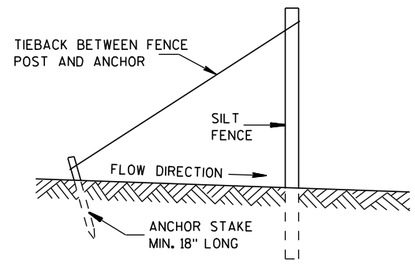


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

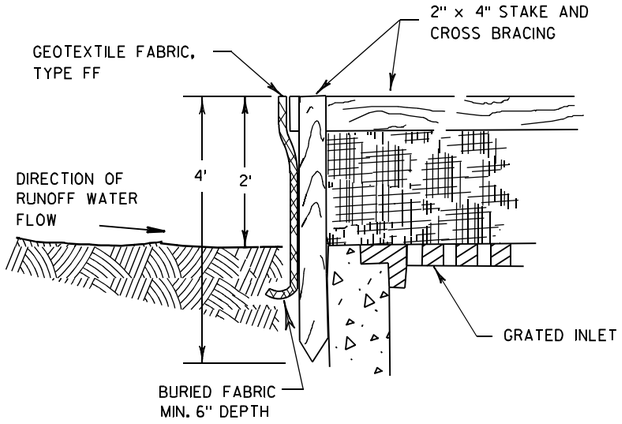
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

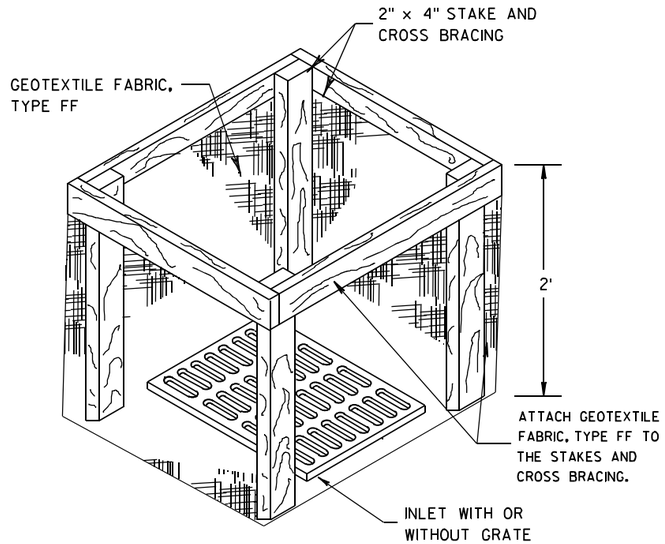
6

S.D.D. 8 E 9-6

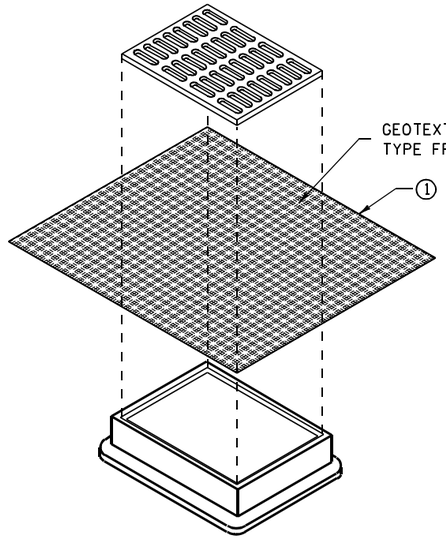
6

S.D.D. 8 E 9-6



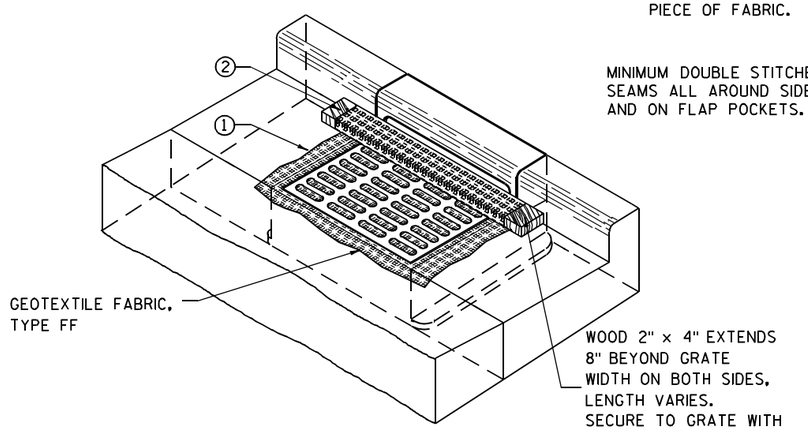


INLET PROTECTION, TYPE A

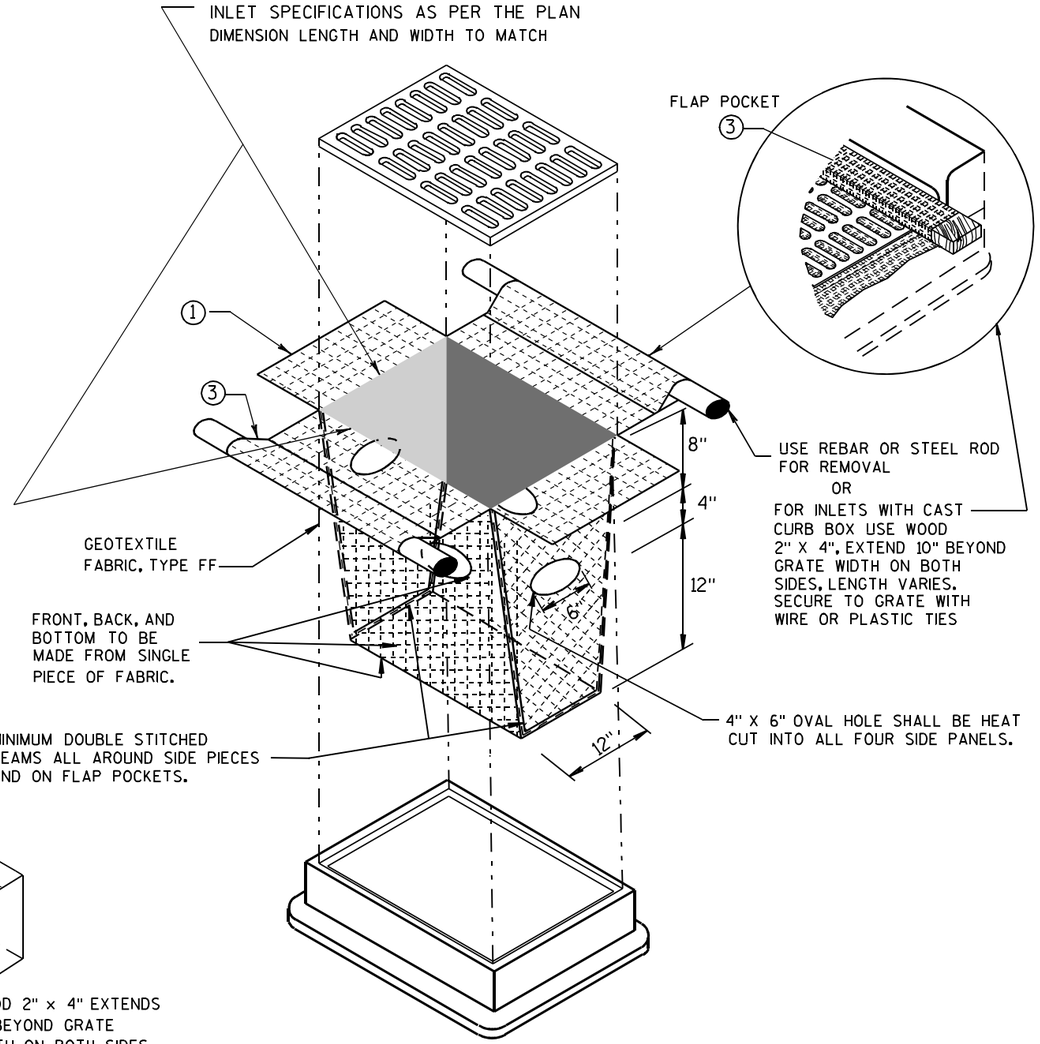


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2

METAL APRON ENDWALLS

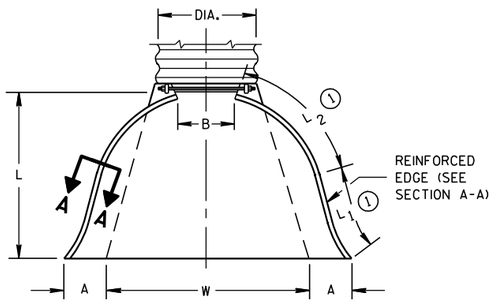
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

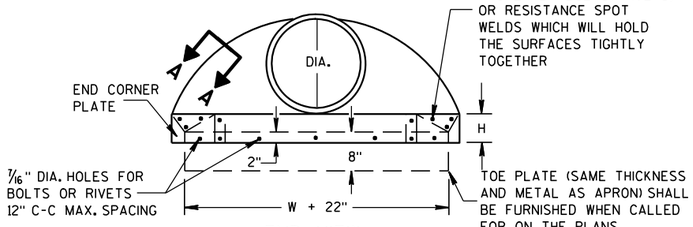
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

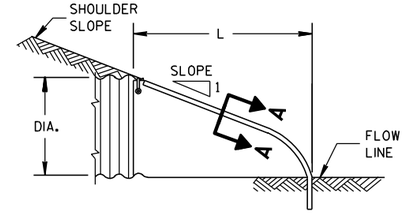
*MINIMUM
**MAXIMUM



PLAN VIEW

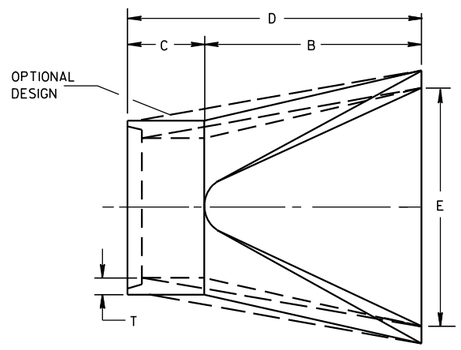


END VIEW

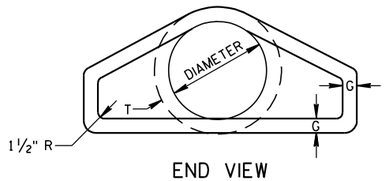


SIDE ELEVATION

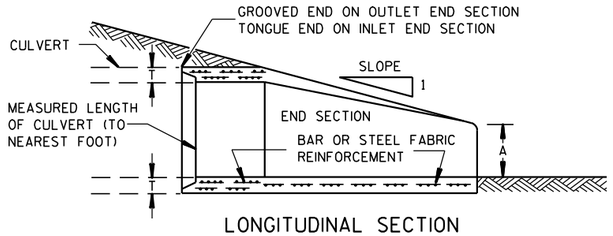
METAL ENDWALLS



PLAN

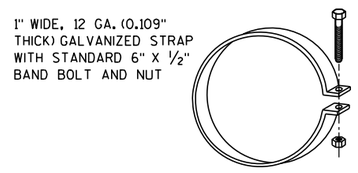


END VIEW



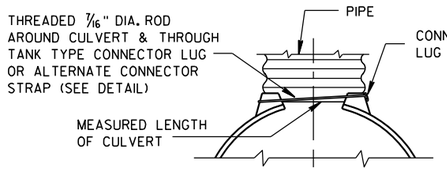
LONGITUDINAL SECTION

CONCRETE ENDWALLS

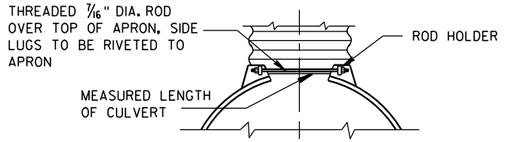


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

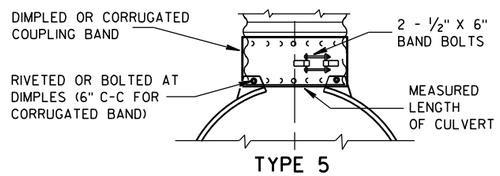


TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE

TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

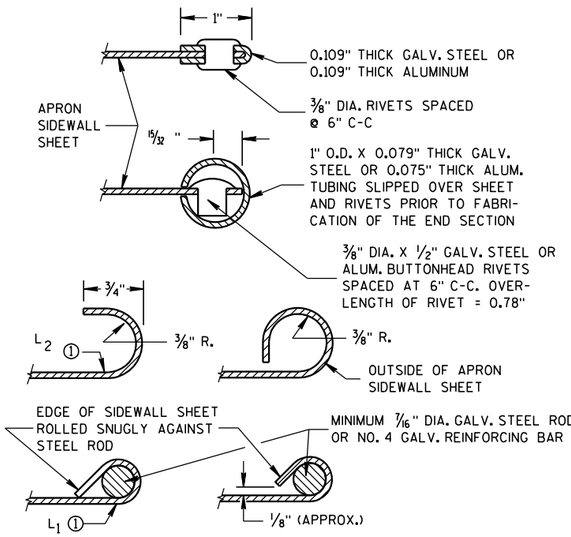
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

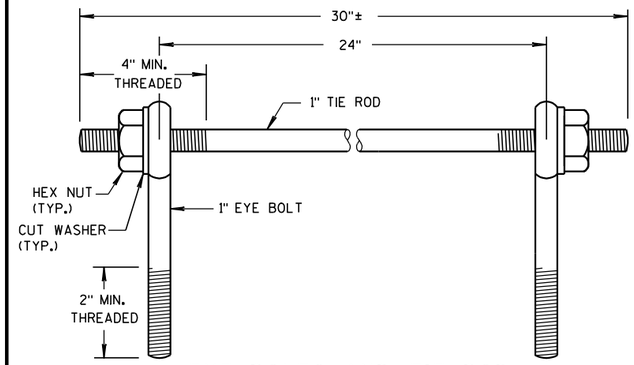
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

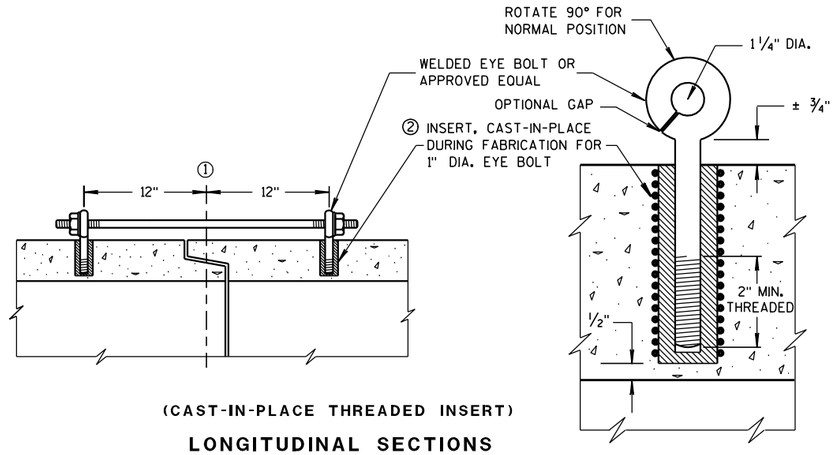
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

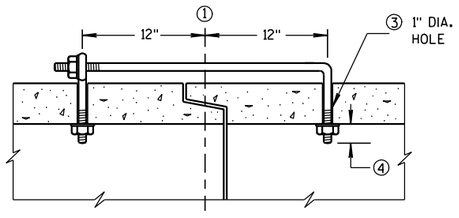
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

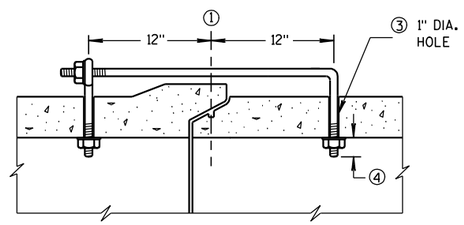
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

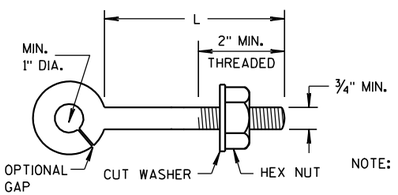


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

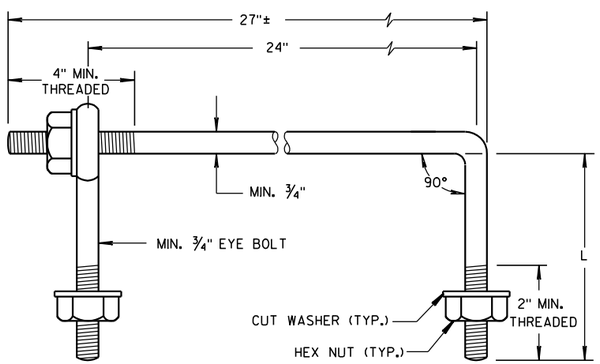
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

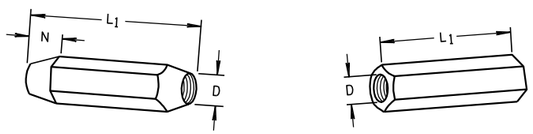
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 7/16

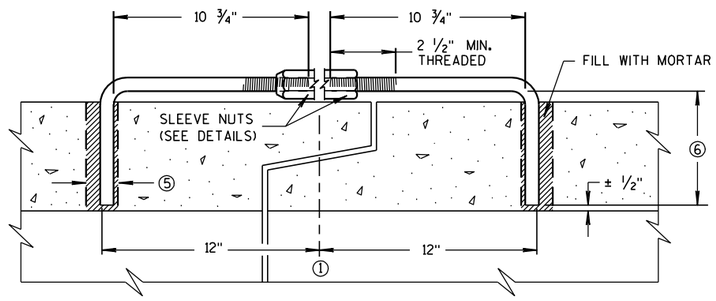
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

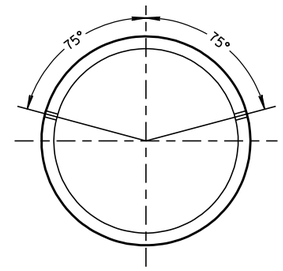
SLEEVE NUTS



LONGITUDINAL SECTION

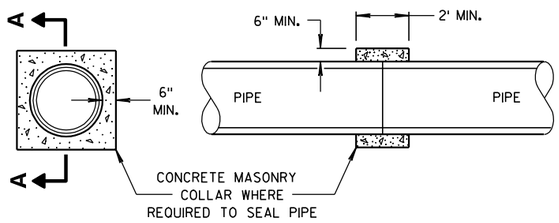
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

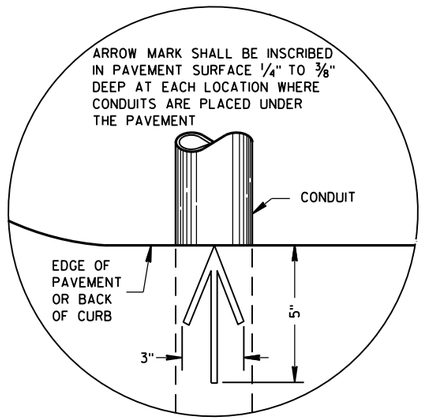
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
227
FHWA

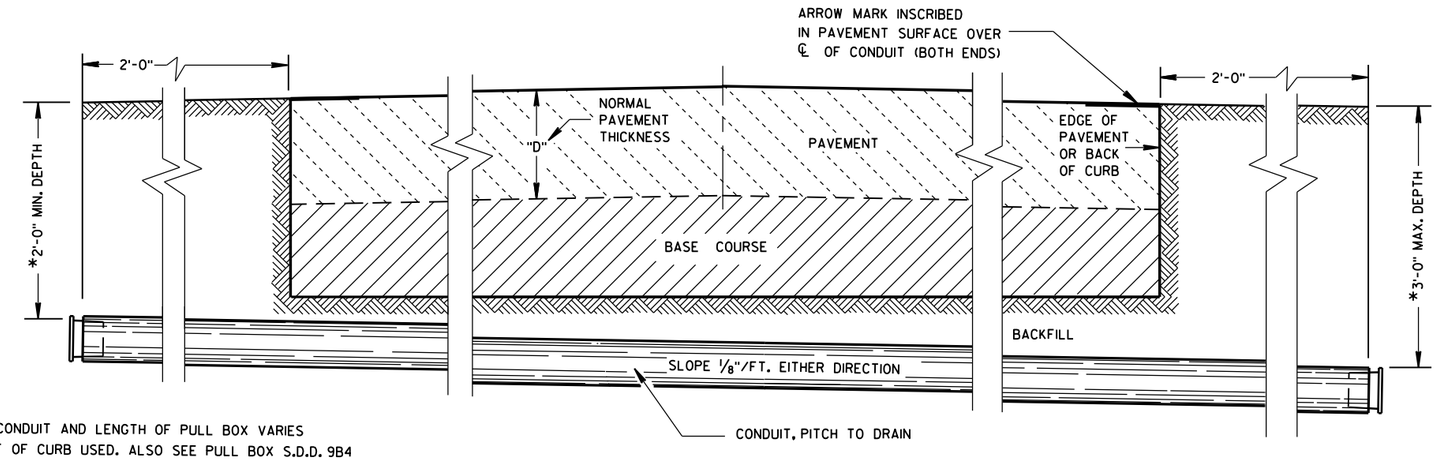
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

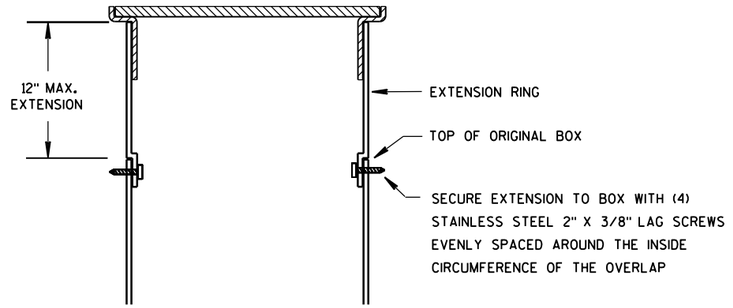
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

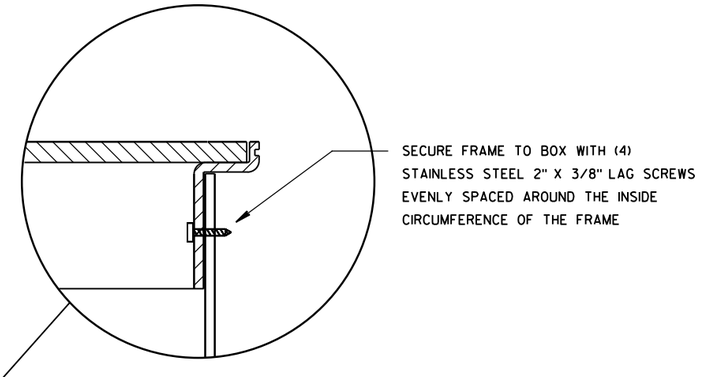
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

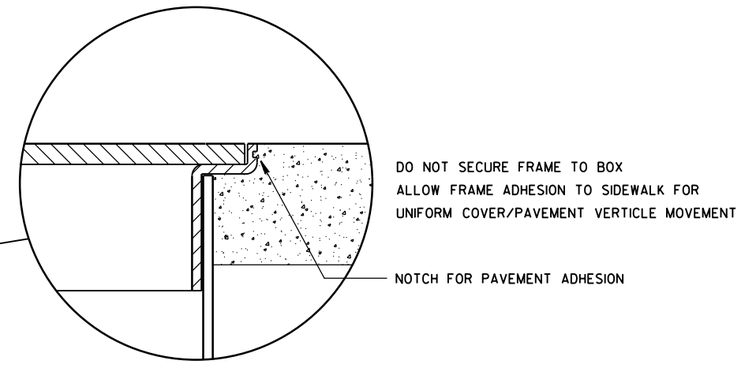
LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



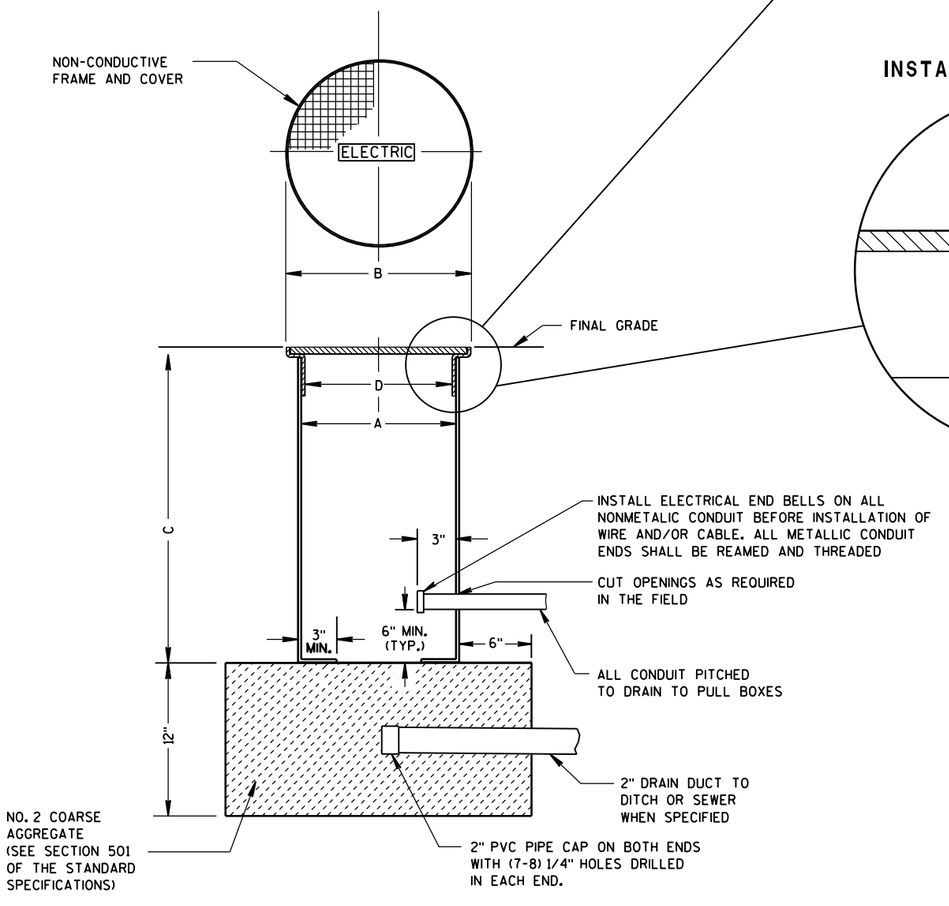
BOX EXTENSION



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



NON-CONDUCTIVE PULL BOX

PULL BOX NON-CONDUCTIVE

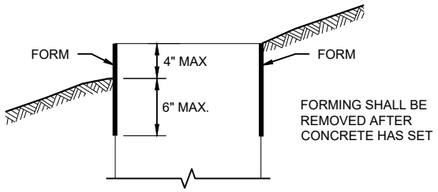
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

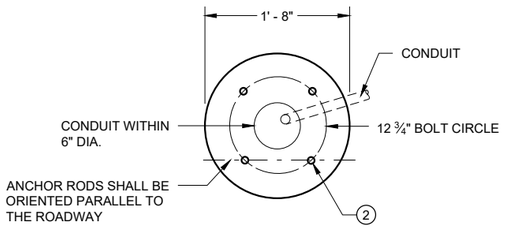
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

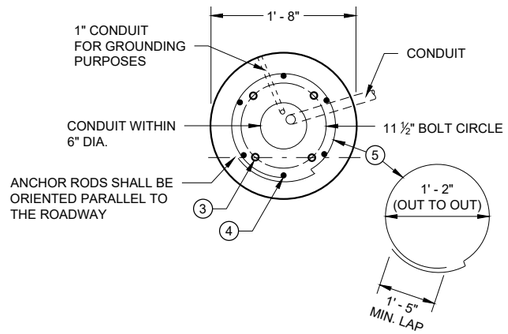
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

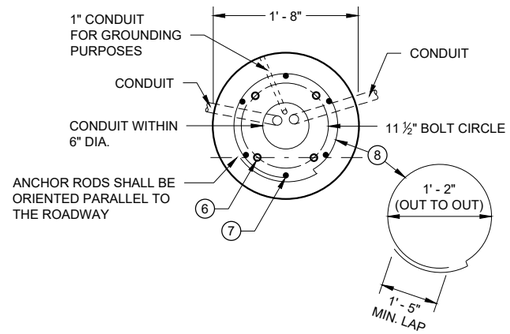
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

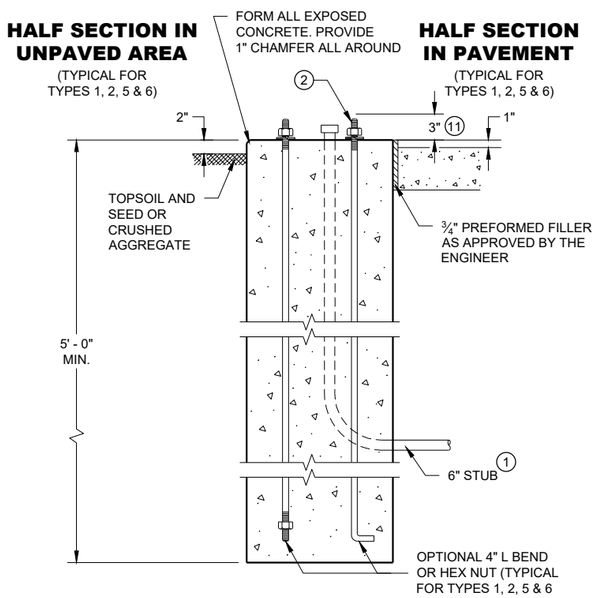
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

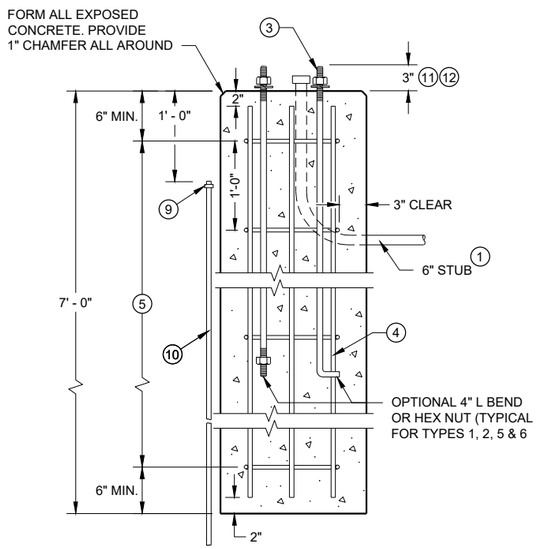




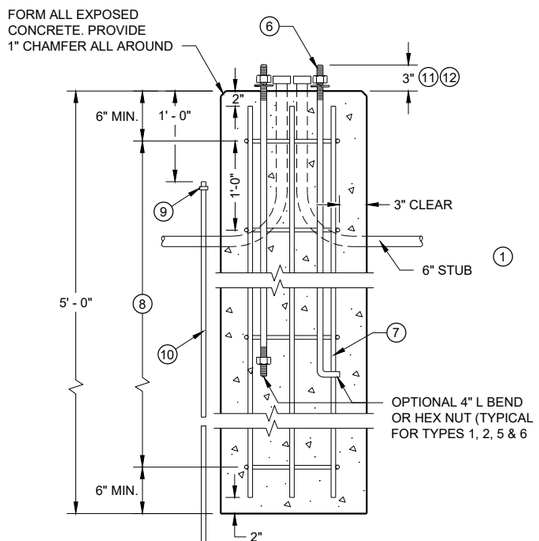




TYPE 1



TYPE 2



TYPE 5 & 6

1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 230
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

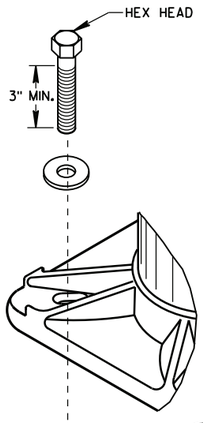
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

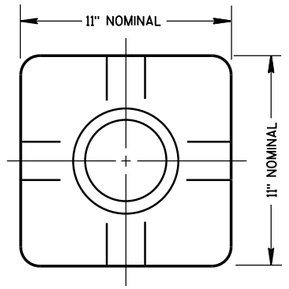
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

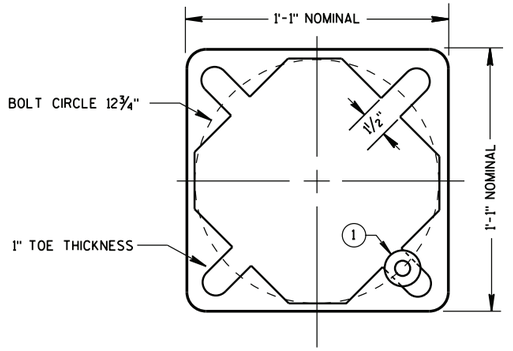
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

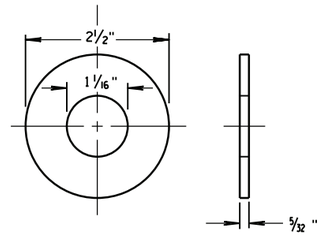




TOP VIEW
(PEDESTAL BASE)

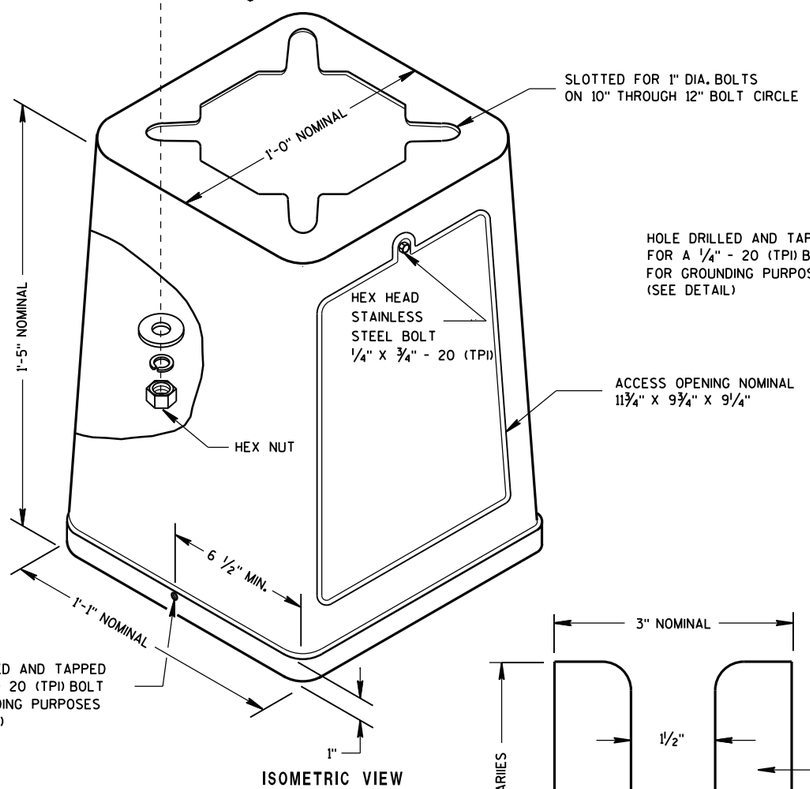


BOTTOM VIEW
(PEDESTAL BASE)

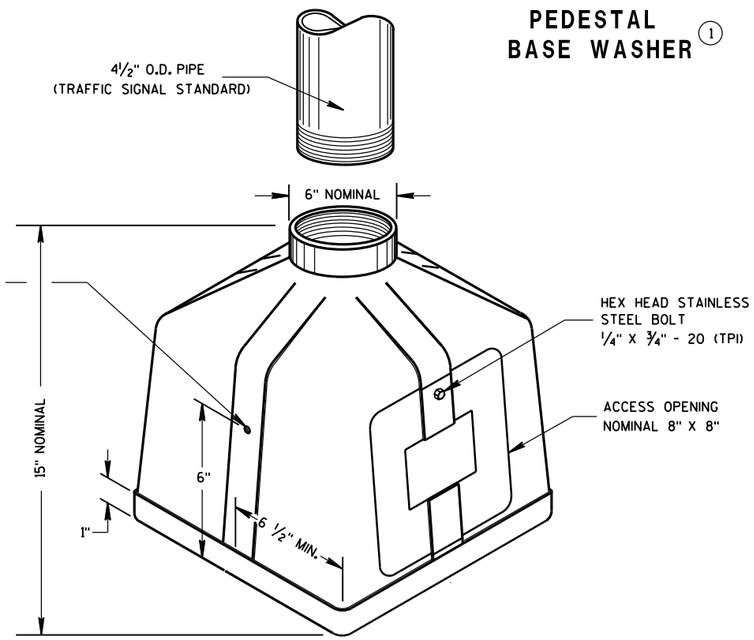


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

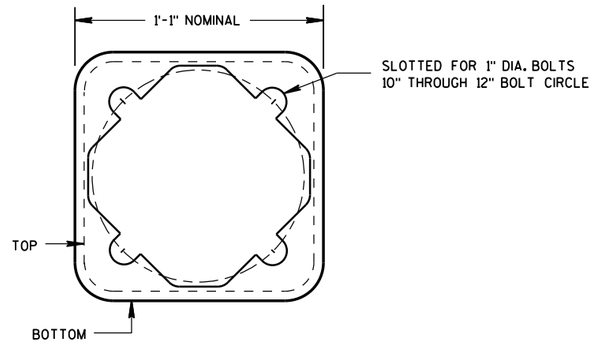
PEDESTAL BASE WASHER (1)



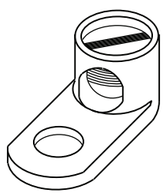
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

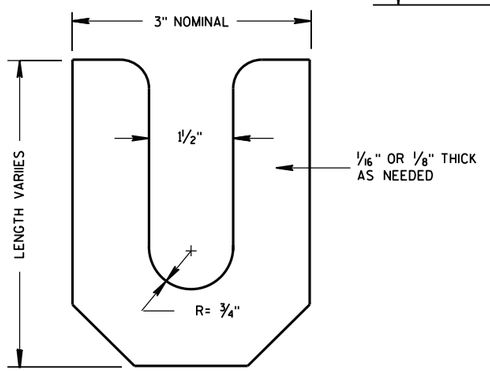


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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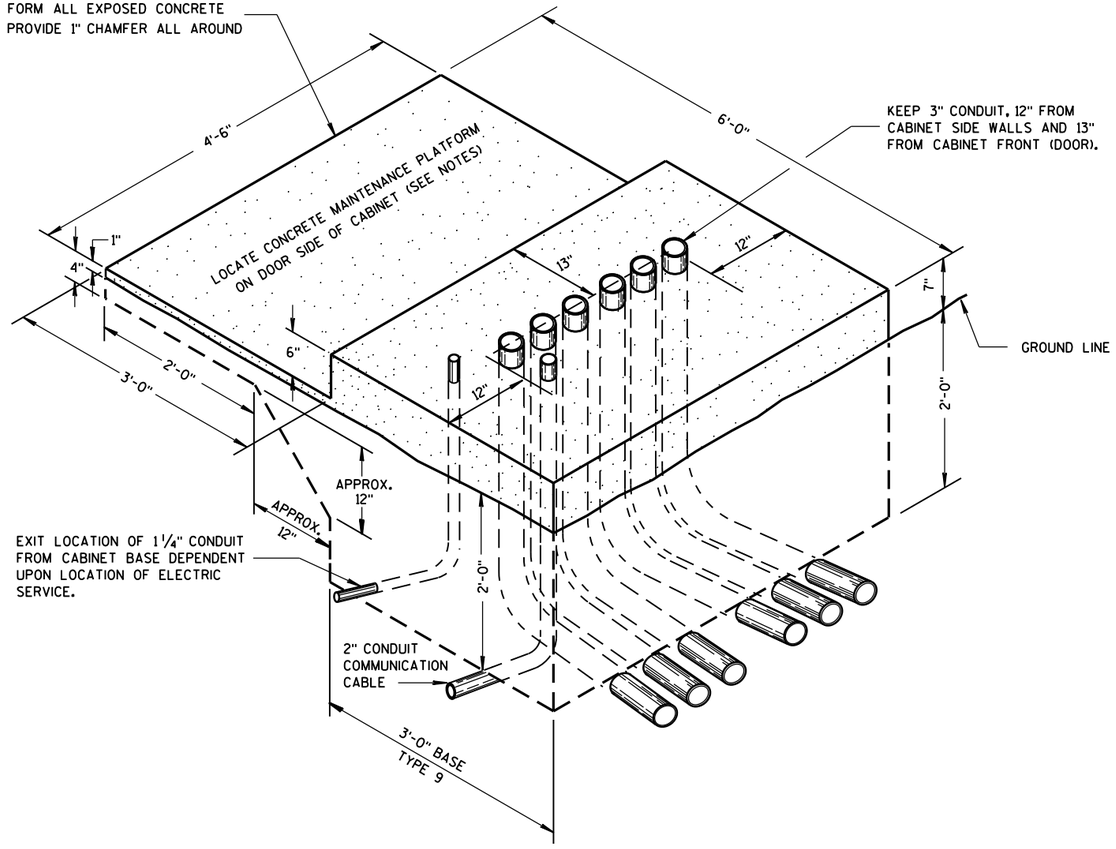
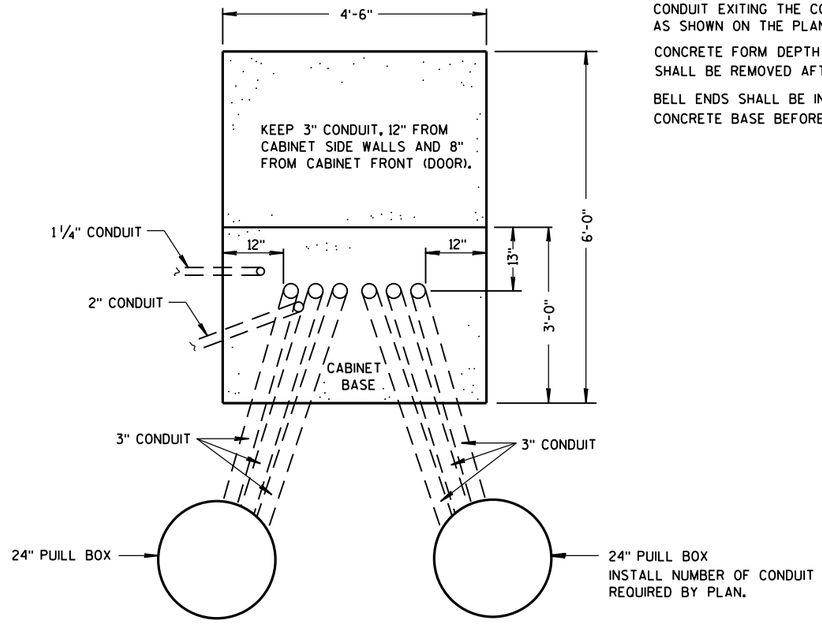


ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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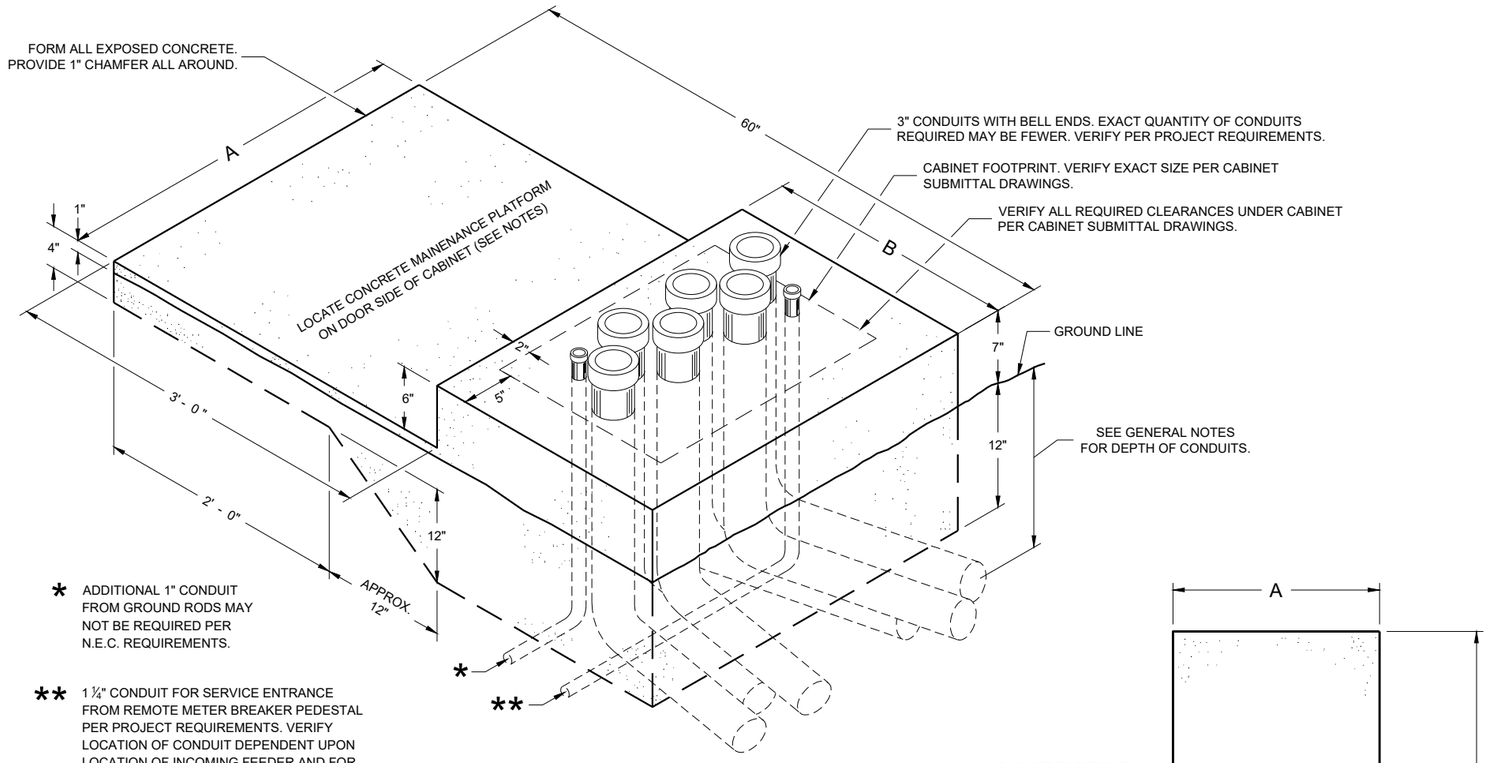


* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

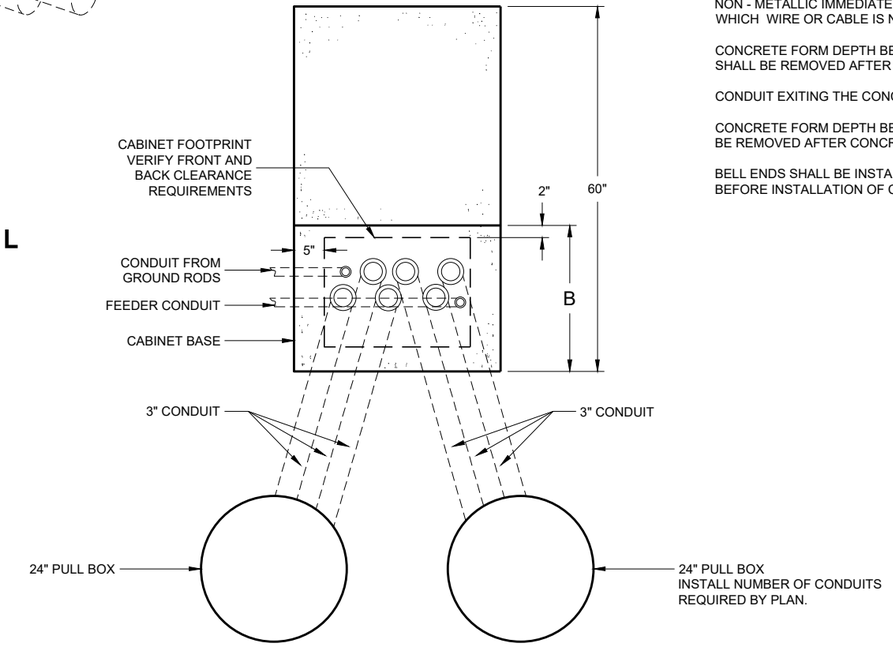
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 233

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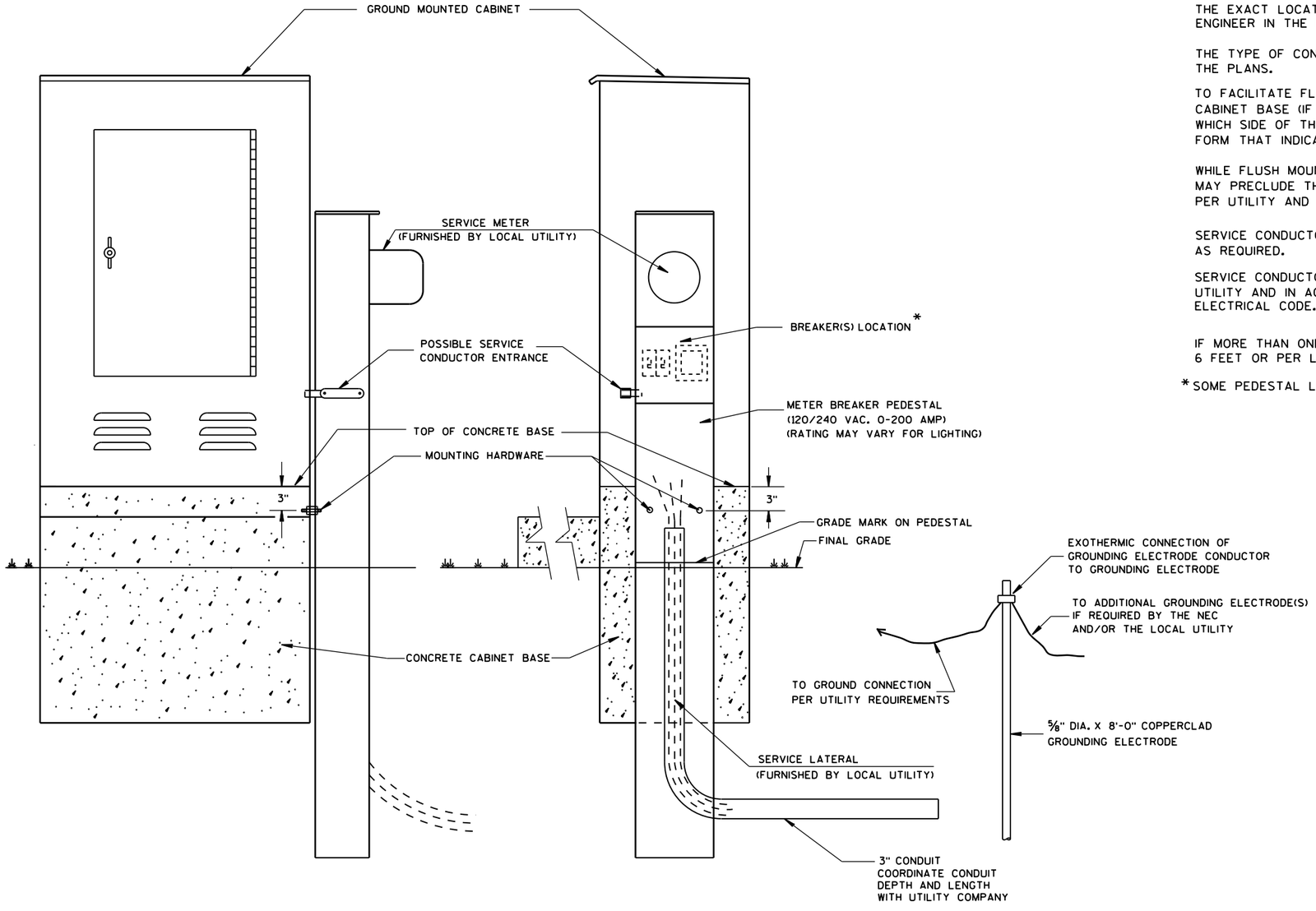

TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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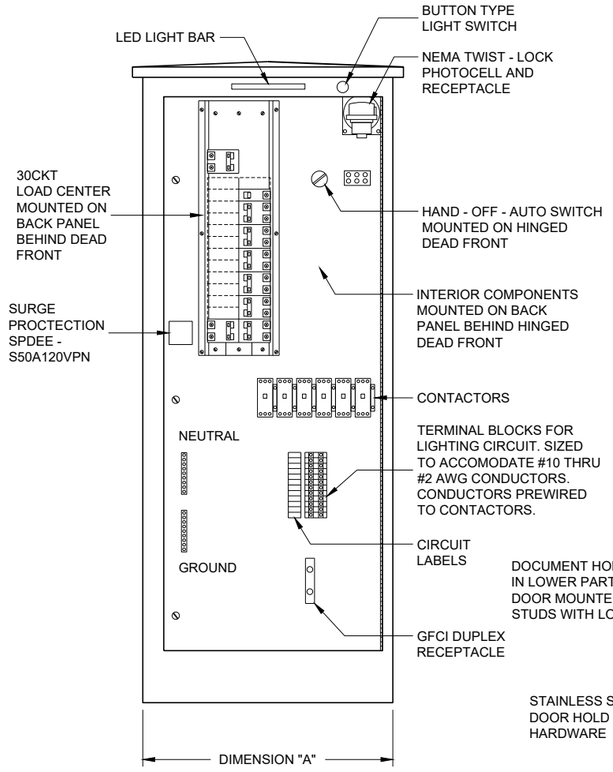
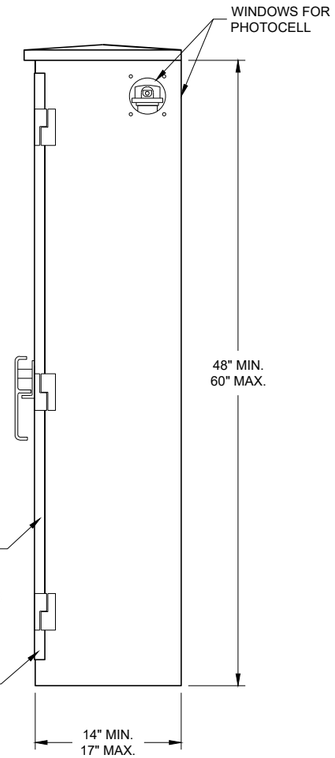
S.D.D. 9 D 1-5

FRONT INTERIOR ELEVATION



SIDE VIEW



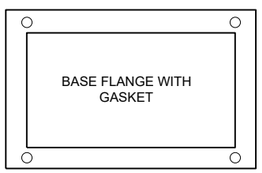
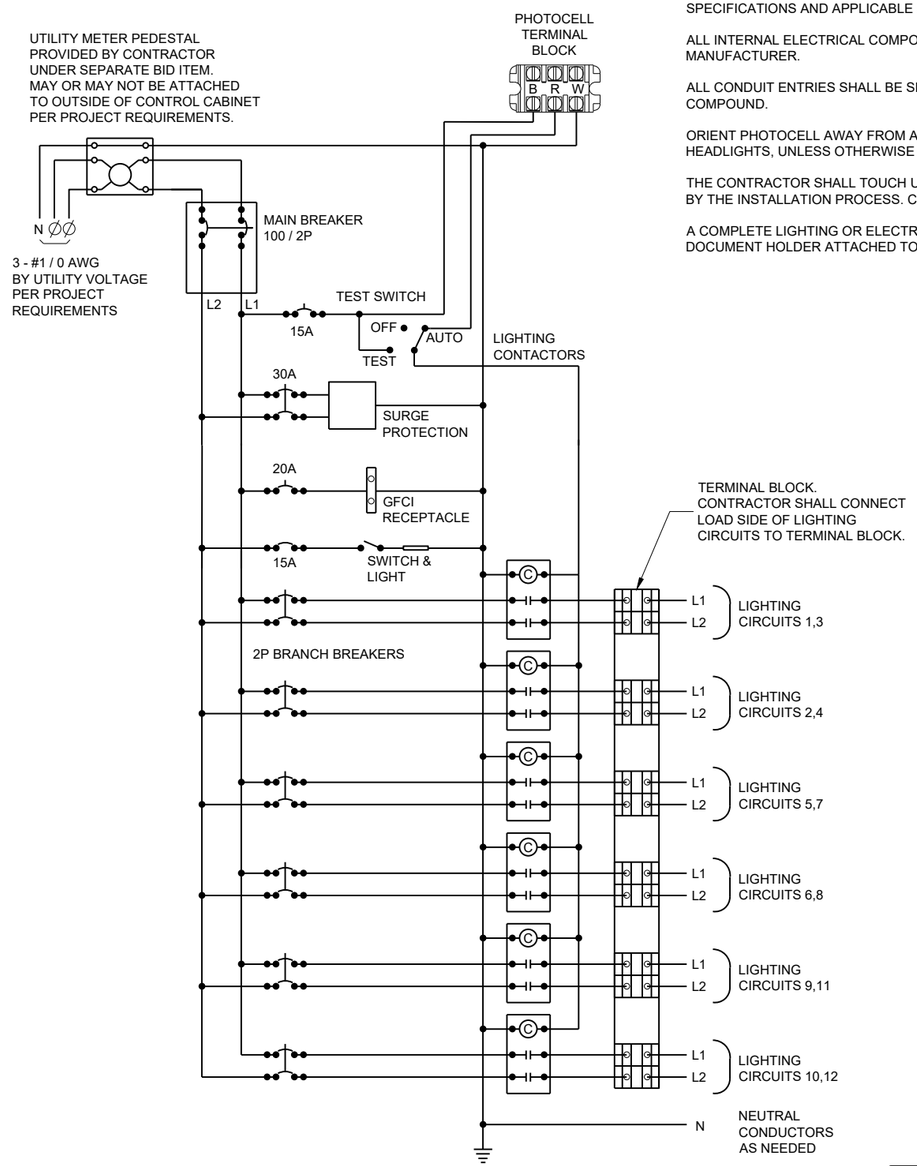


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 235

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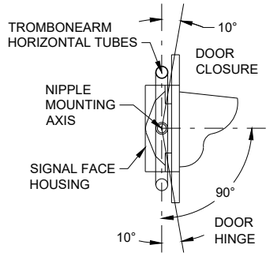
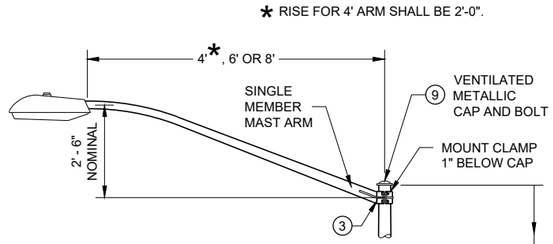
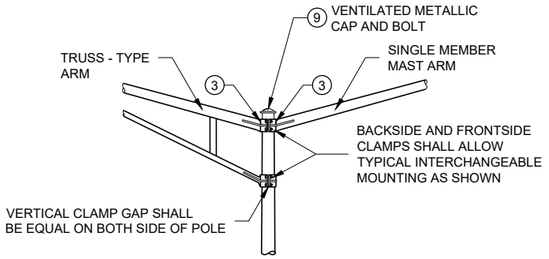
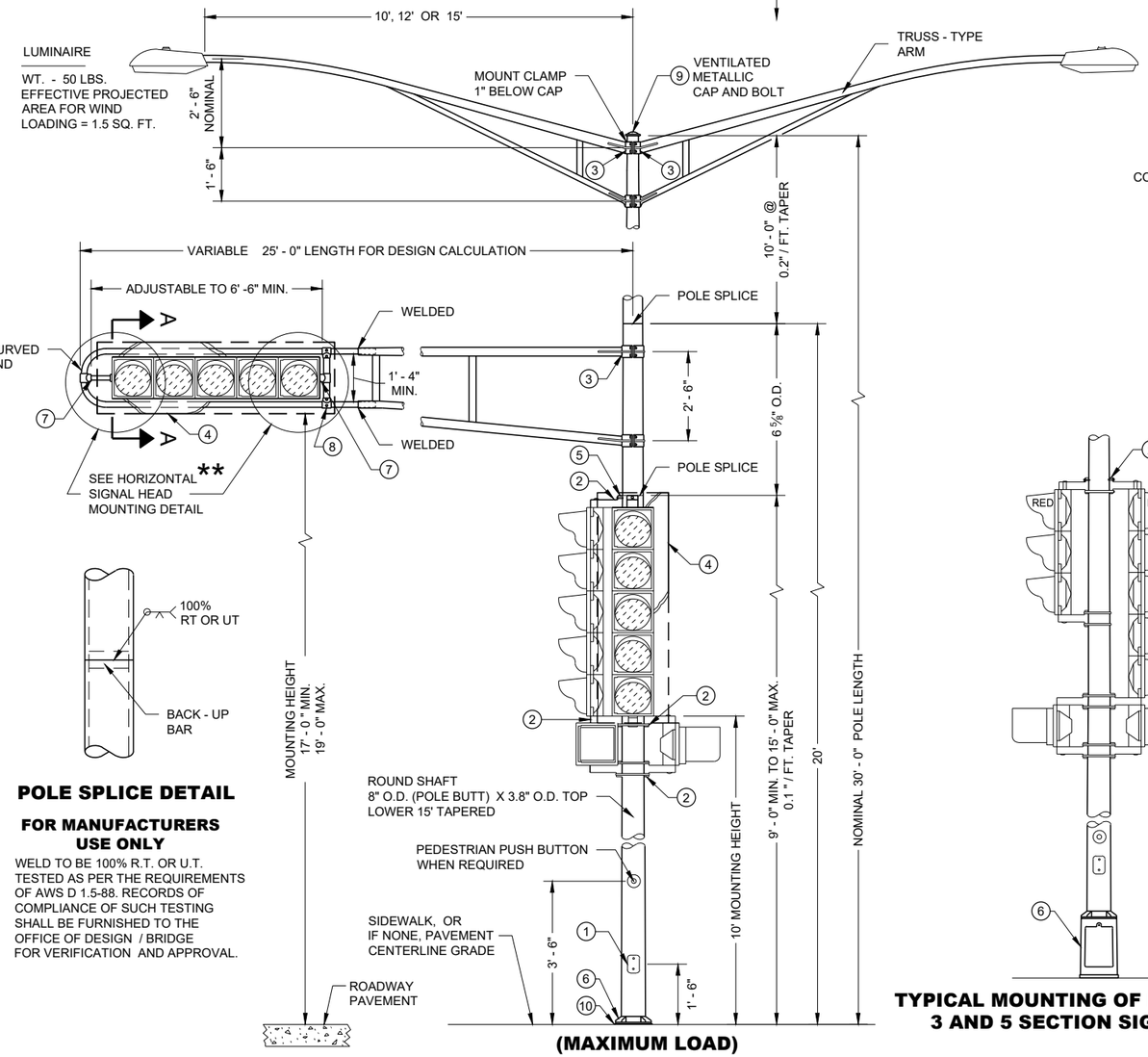


SECTION A-A





INTERCHANGEABLE MOUNTING DETAIL

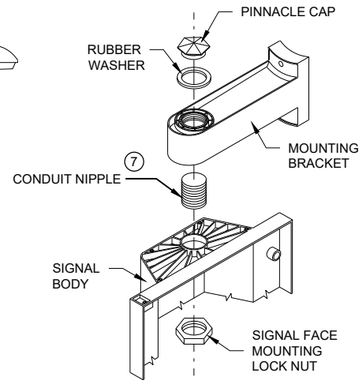


(MAXIMUM LOAD)

POLE SPLICE DETAIL

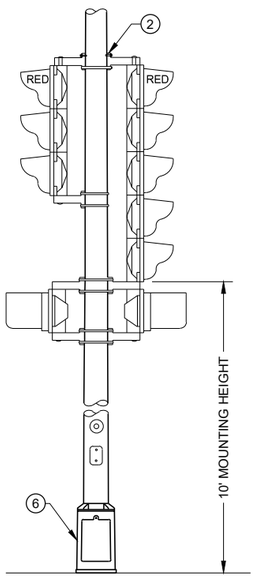
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

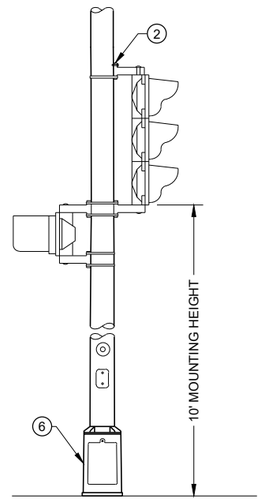


SIGNAL FACE MOUNTING DETAIL

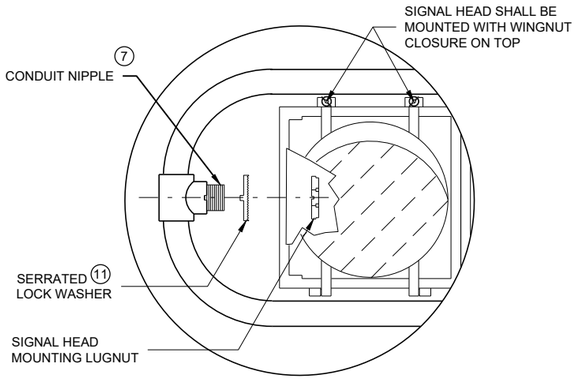
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09E01 - 15b
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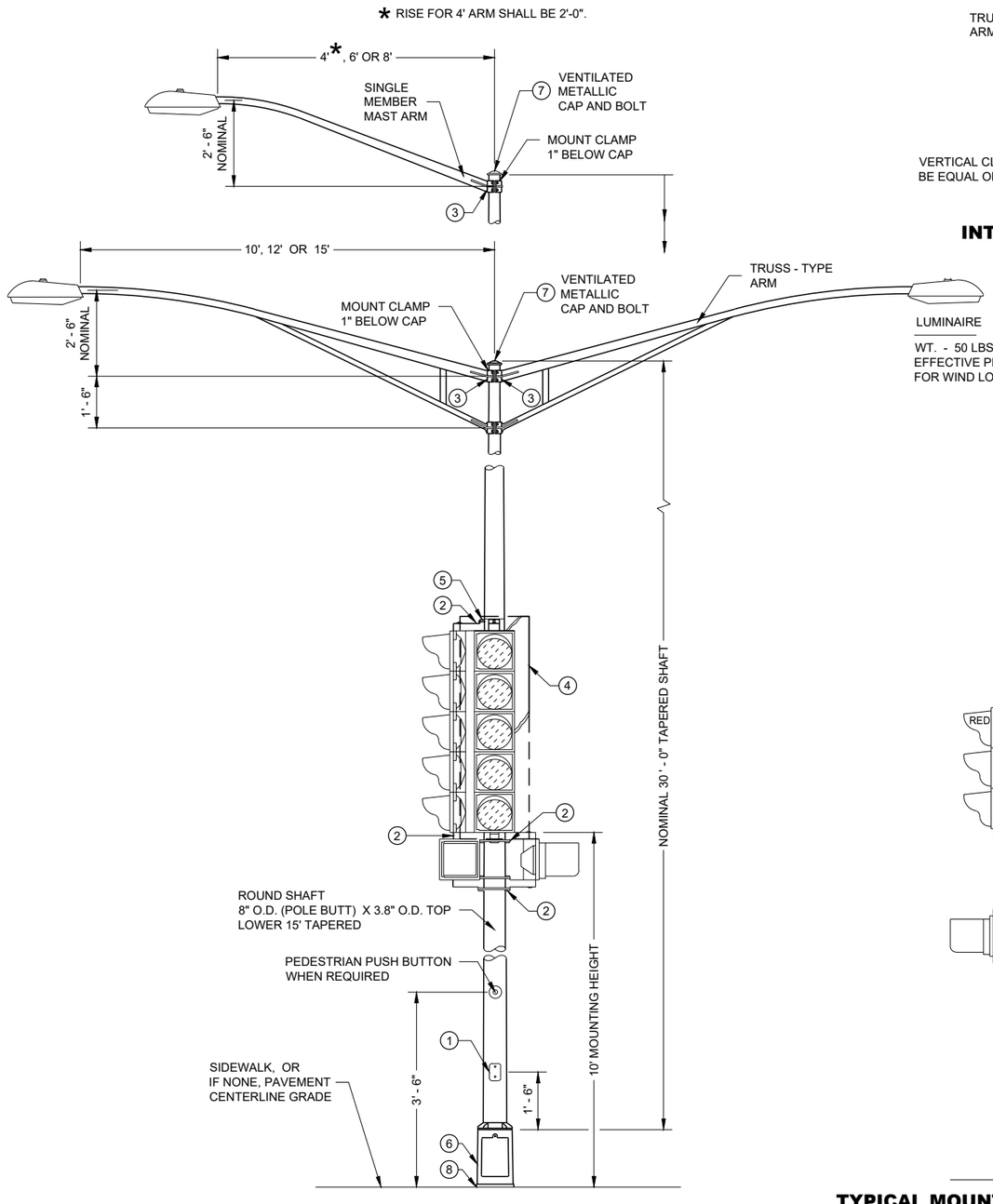
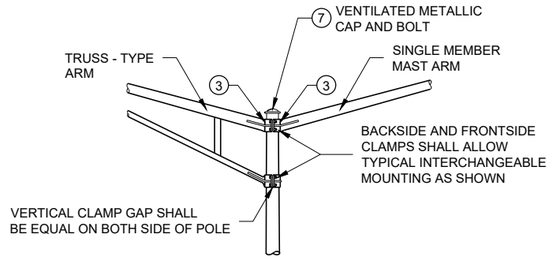


(MAXIMUM LOAD)



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

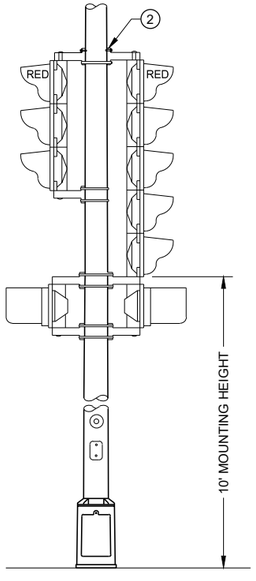
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

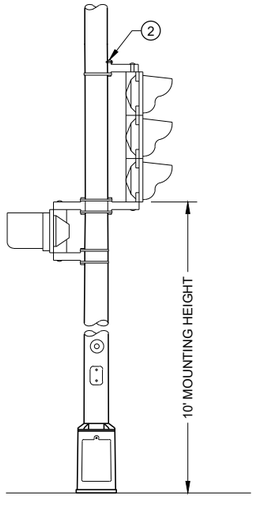
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

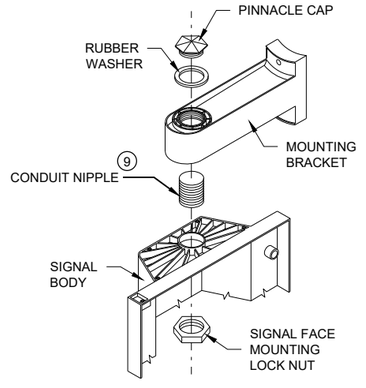
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TYPE 4 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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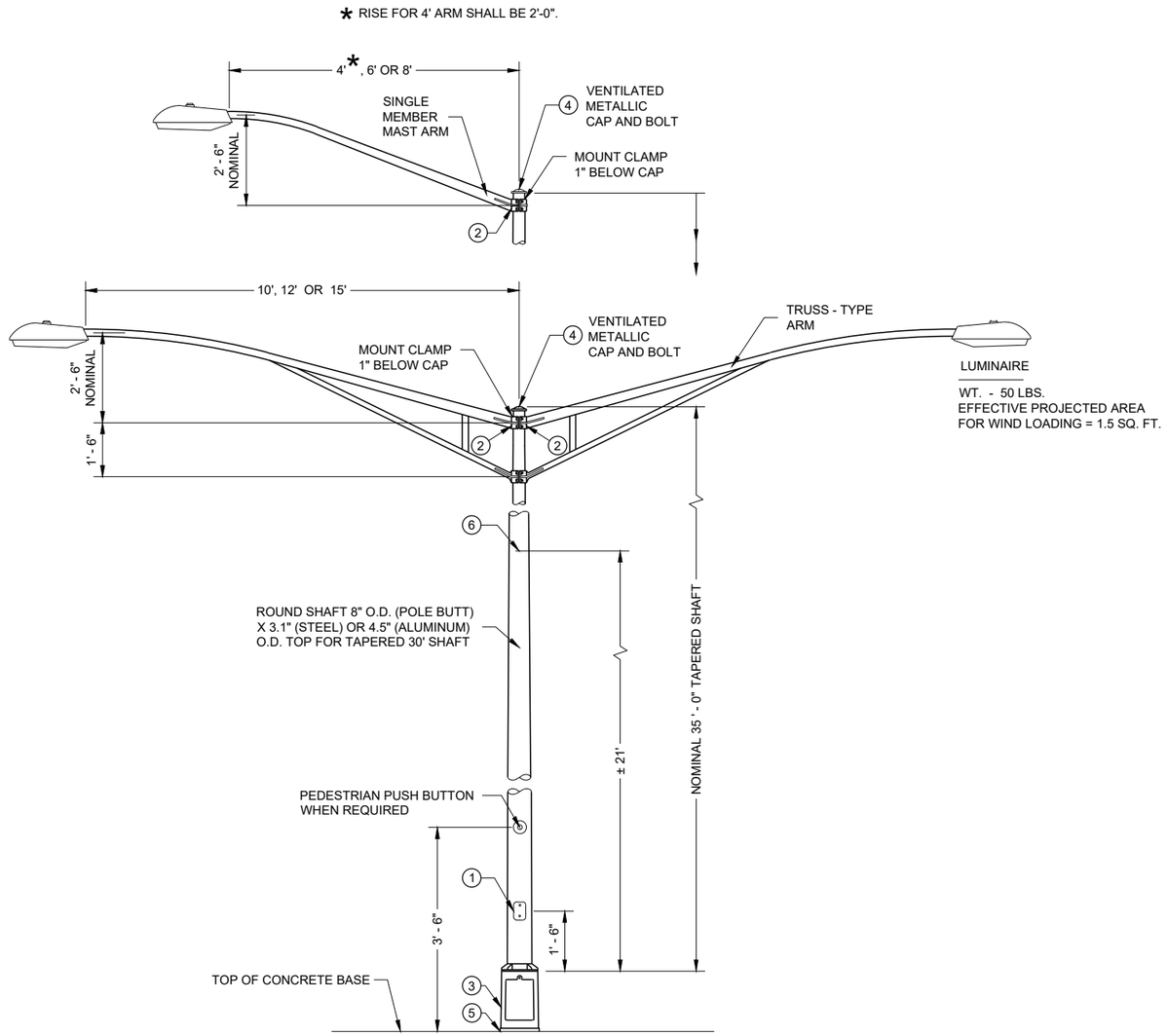


TYPE 6 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 6 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

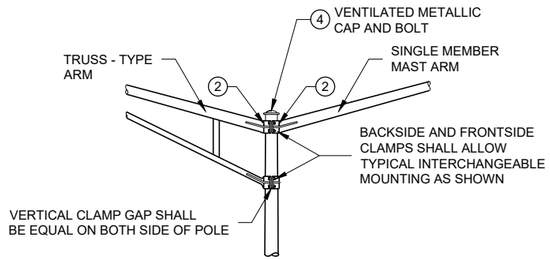
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

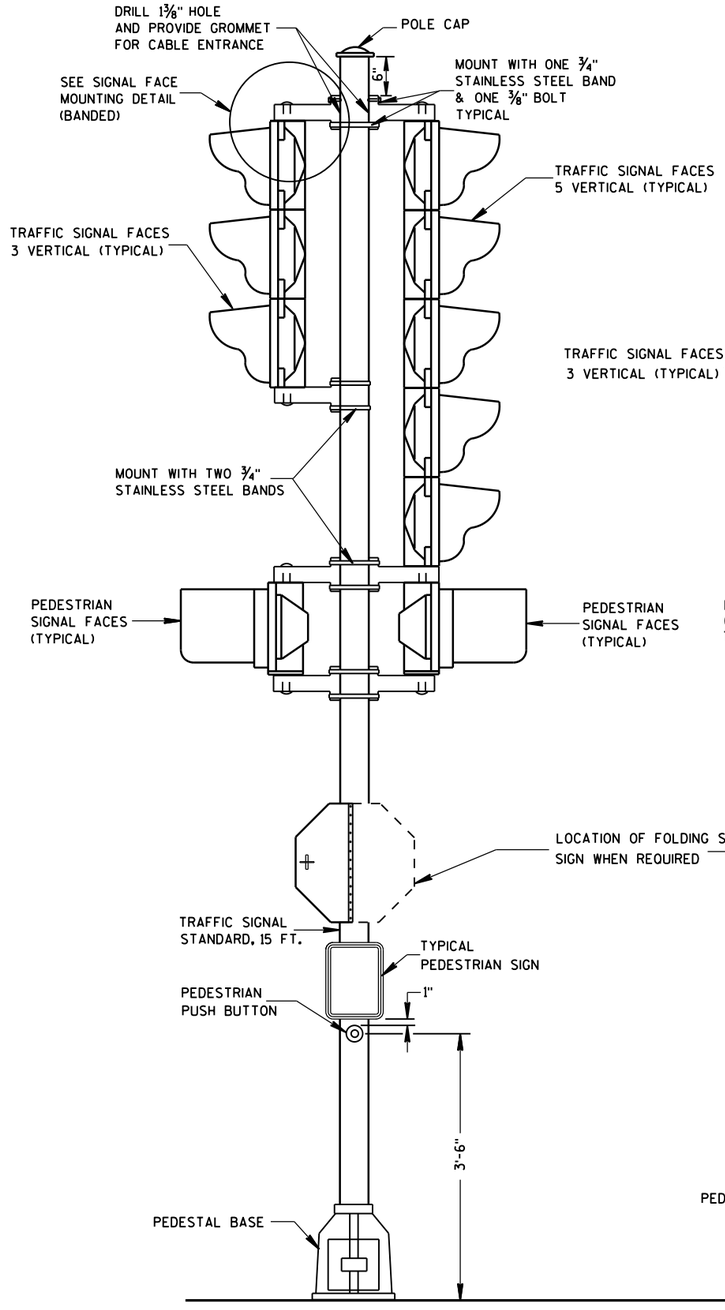


INTERCHANGEABLE MOUNTING DETAIL

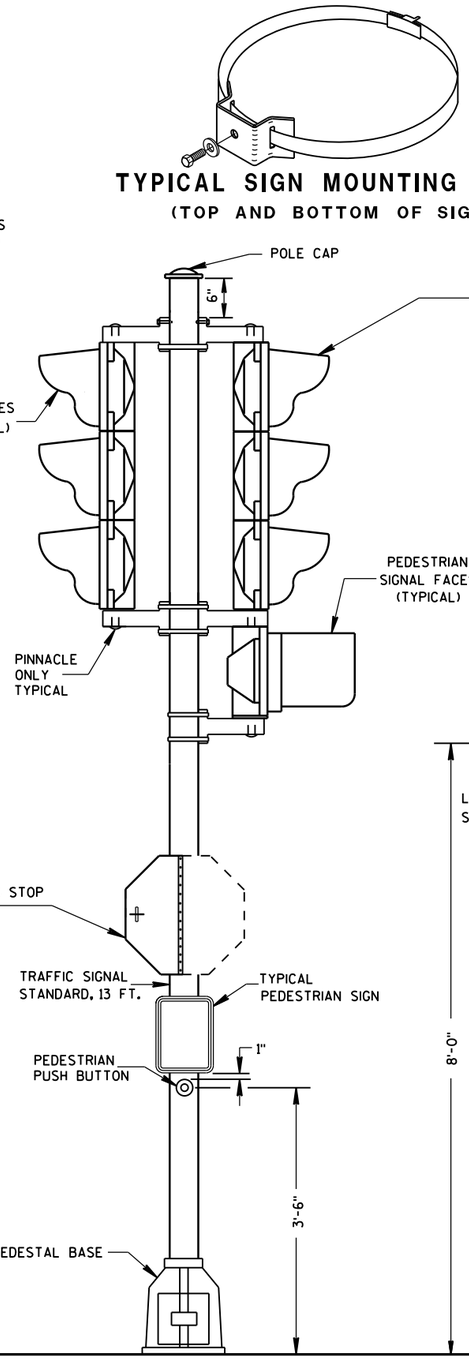
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

6

SDD 09E01 - 15e

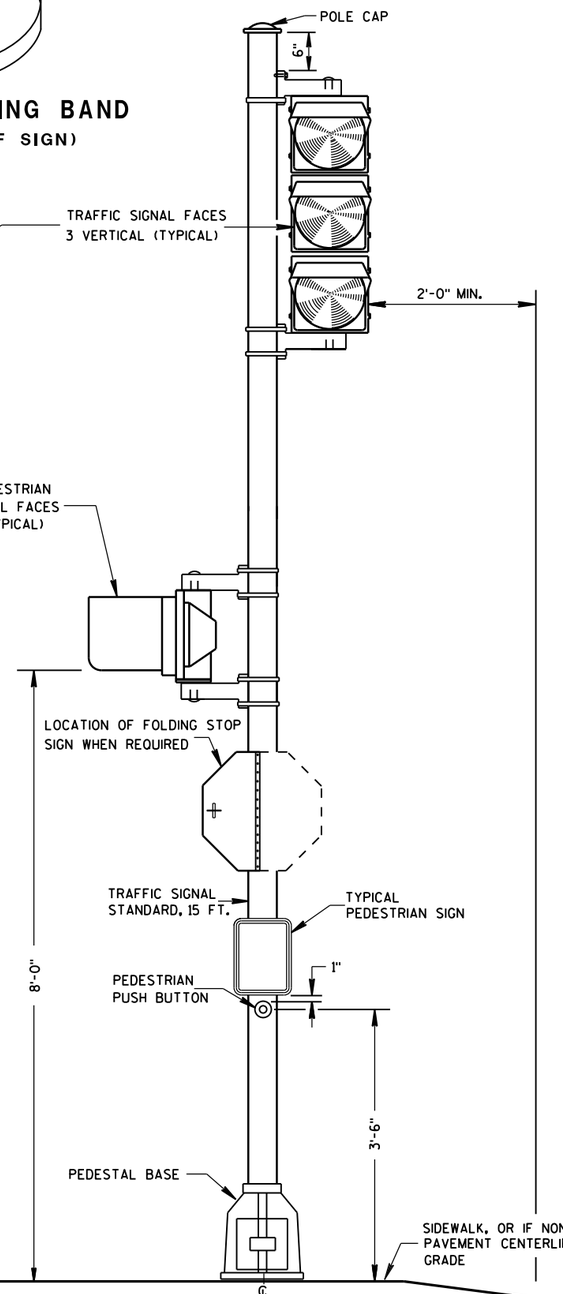


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

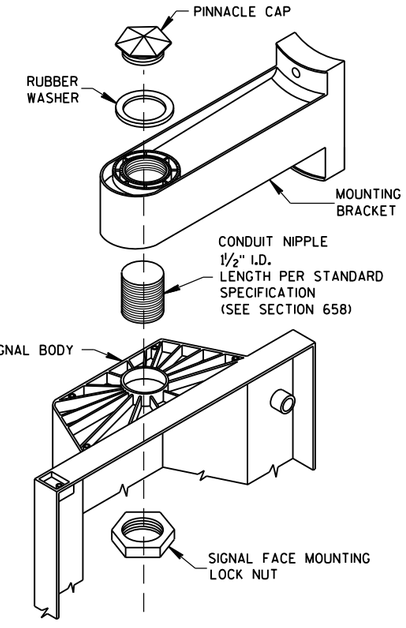
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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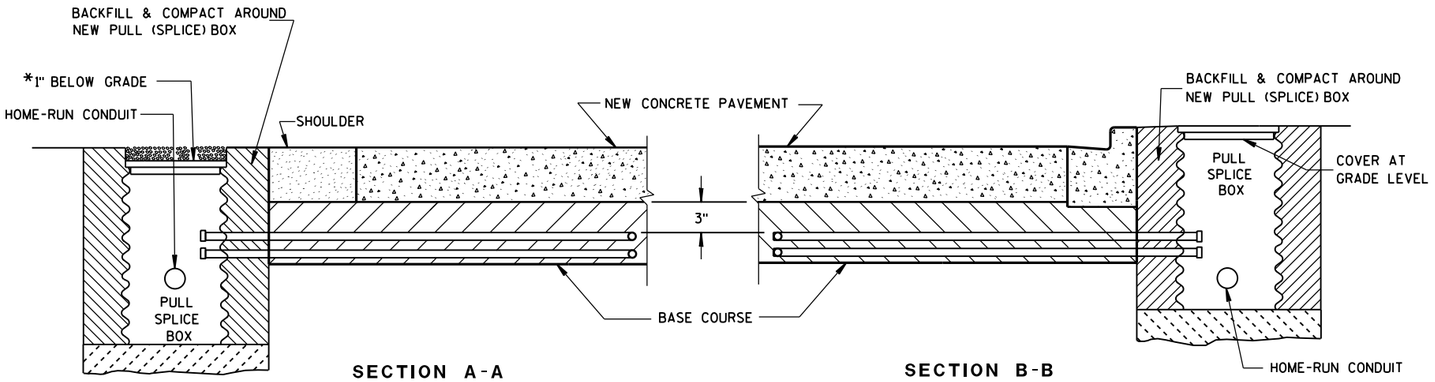
S.D.D. 9 E 6-5



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

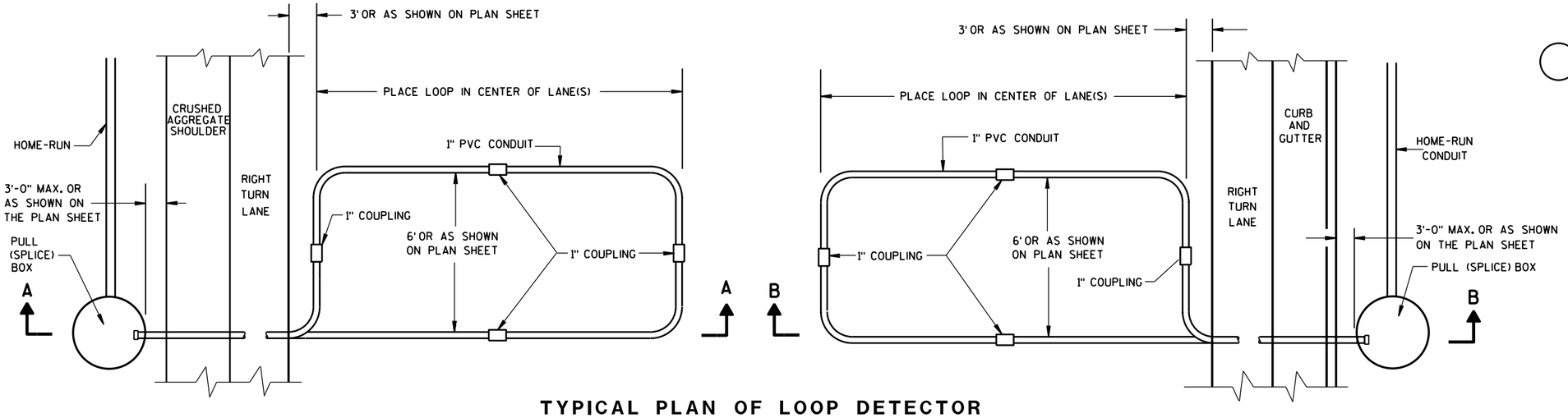
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

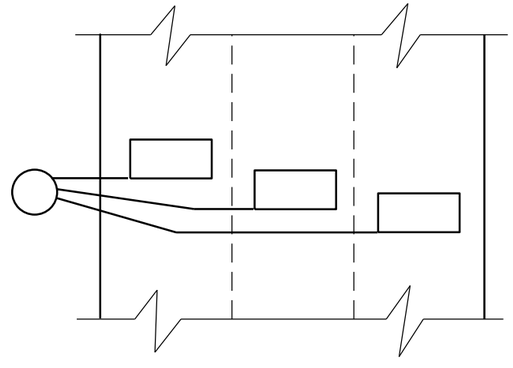
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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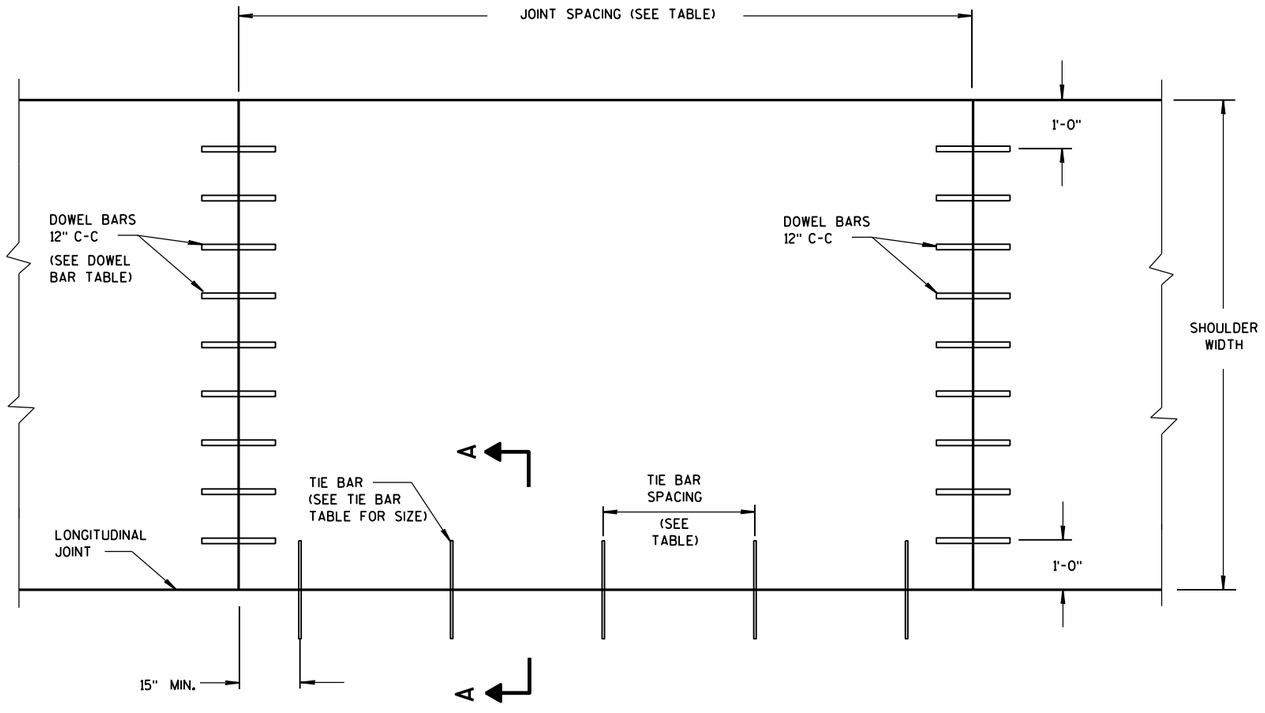
S.D.D. 9 F 15-4b



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

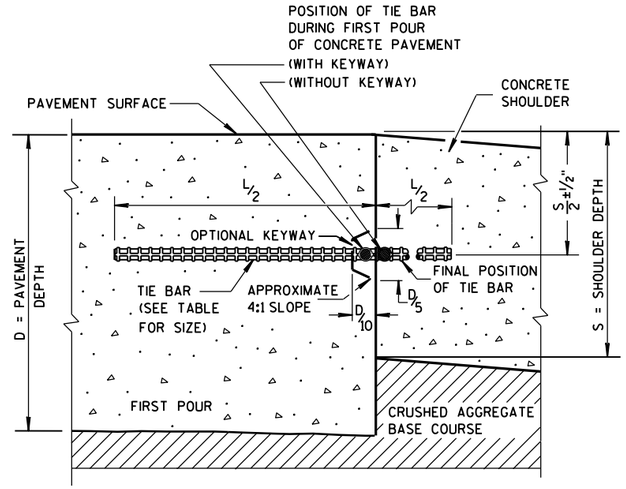
GENERAL NOTES

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.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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S.D.D. 13 A 3-6

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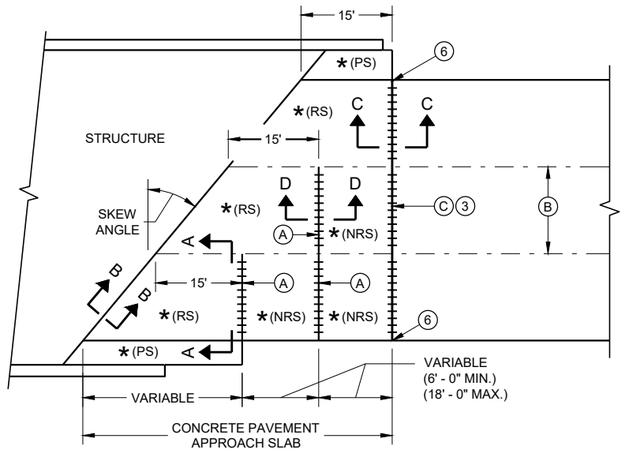
S.D.D. 13 A 3-6



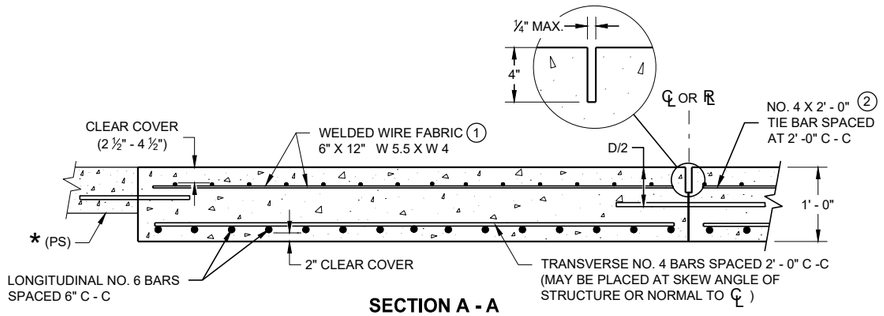
SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)

(RS) = REINFORCED CONCRETE SLAB

(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

(NRS) - NON - REINFORCED CONCRETE SLAB

*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

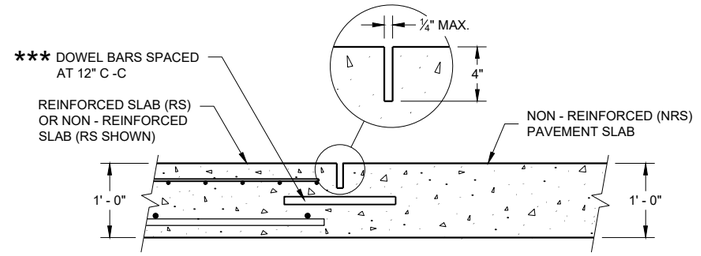
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

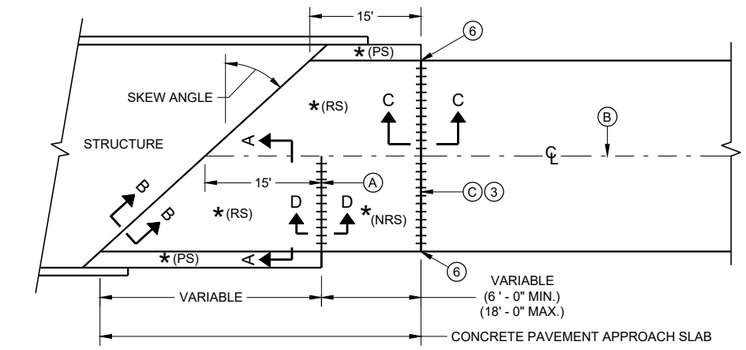
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .

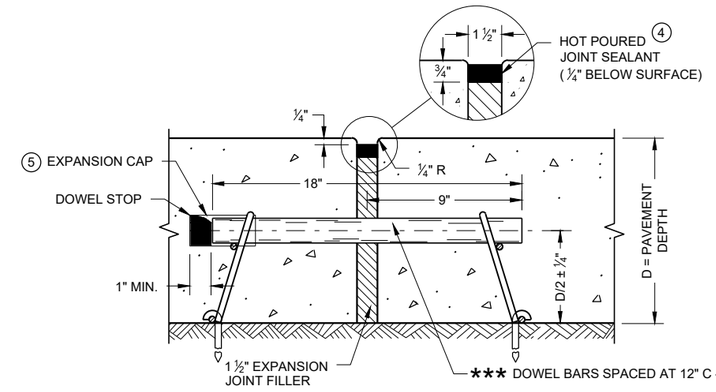


SECTION D - D
CONTRACTION JOINT

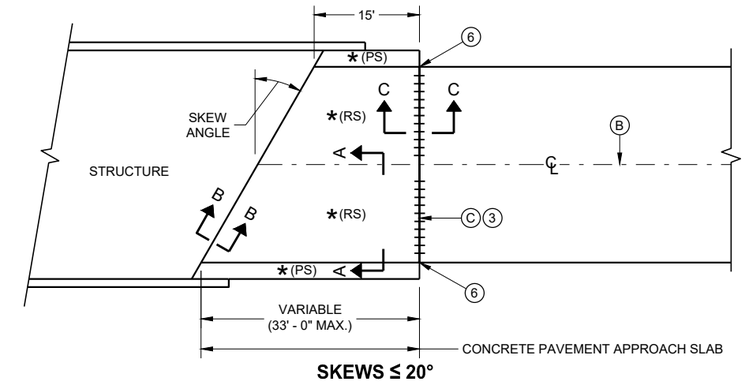


SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')

SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT

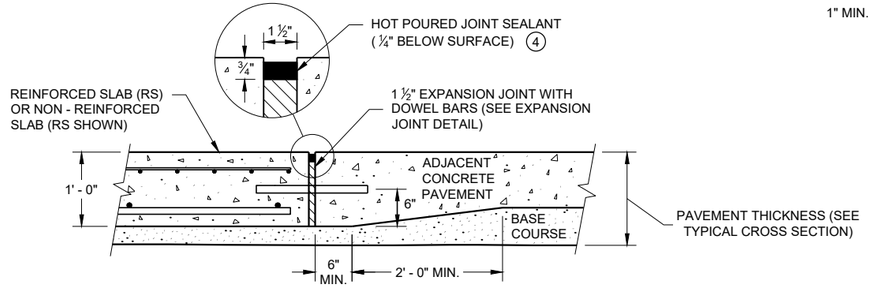


EXPANSION JOINT DETAIL



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

APPROACH SLAB AND ADJACENT PAVEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

FHWA

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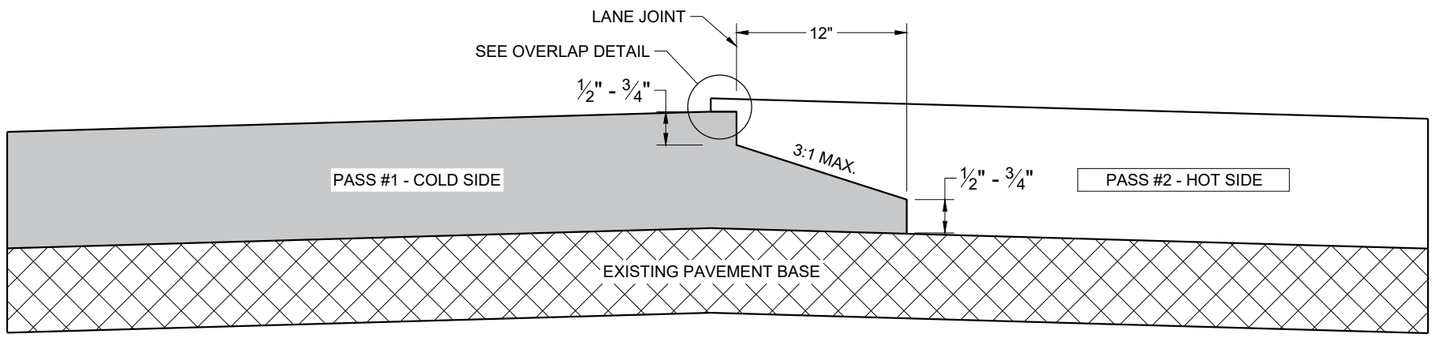
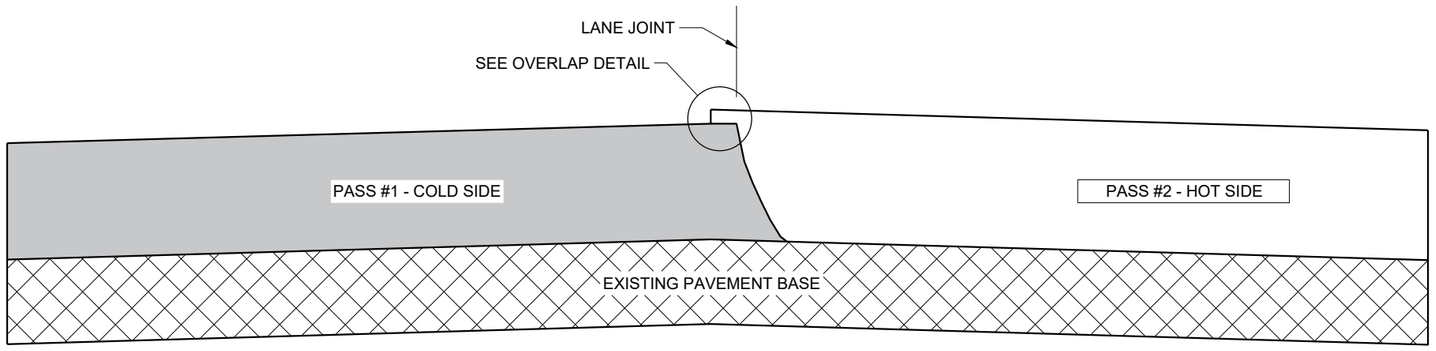
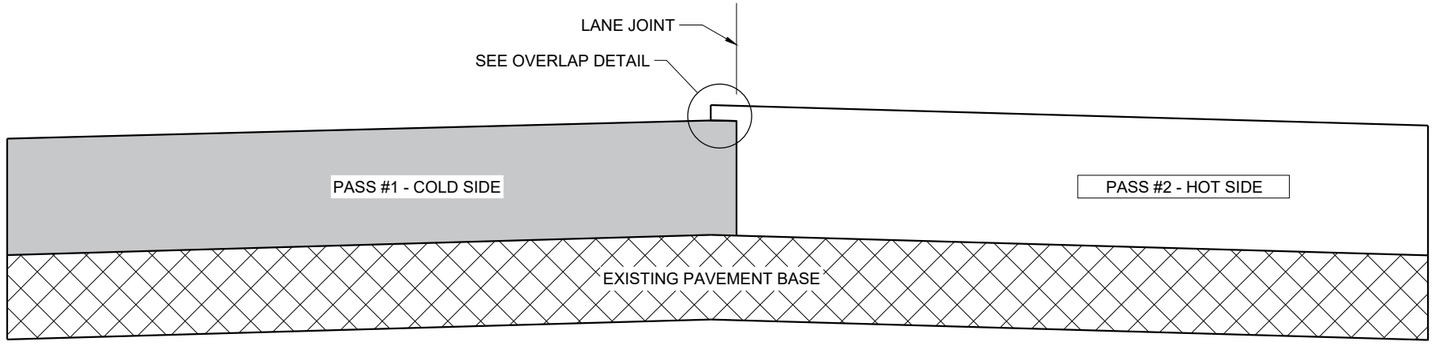
SDD 13B02 - 09a



TYPICAL PAVEMENT CROSS SECTION
OF NOTCHED WEDGE LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
OF MILLED LONGITUDINAL JOINT

GENERAL NOTES

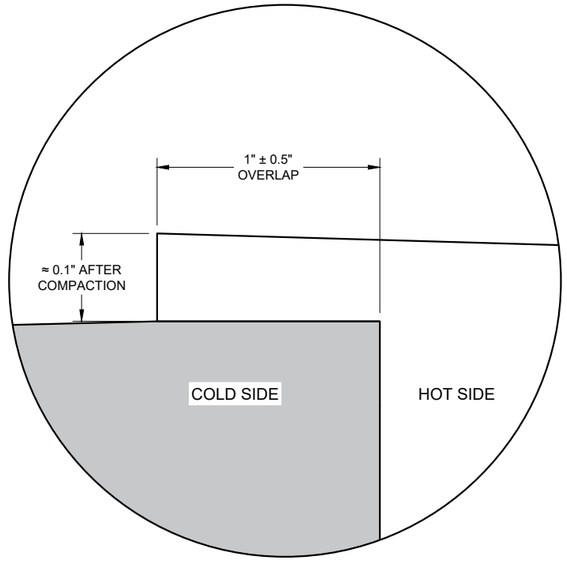
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION.

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

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SDD 13C19 - 02

SDD 13C19 - 02

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

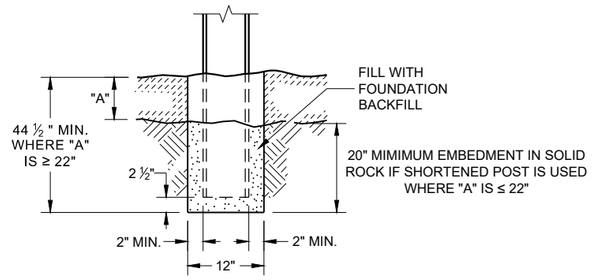
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

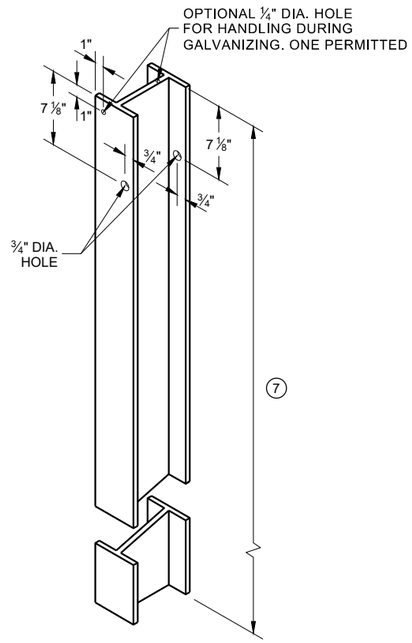
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS +1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

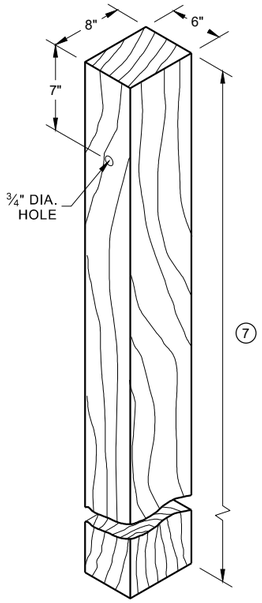
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



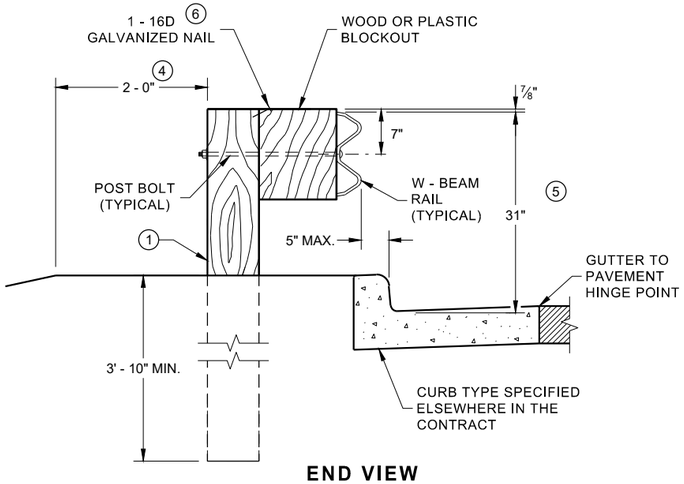
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



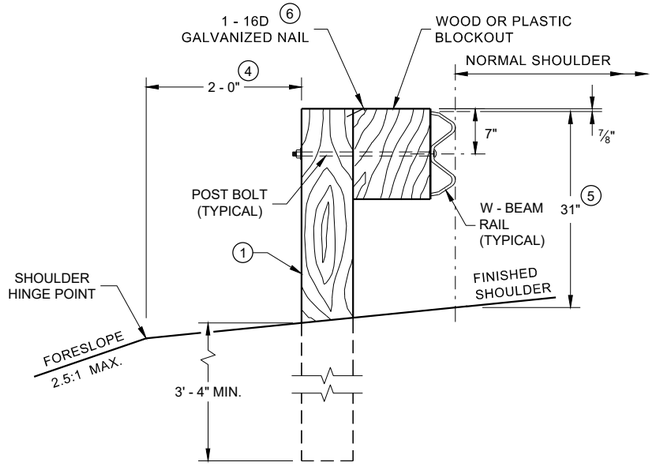
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



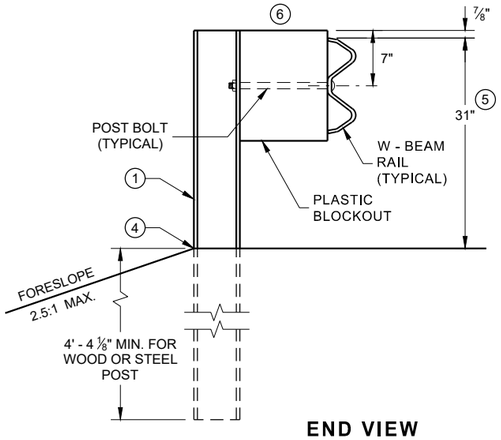
WOOD POST (6" X 8") NOMINAL (1)



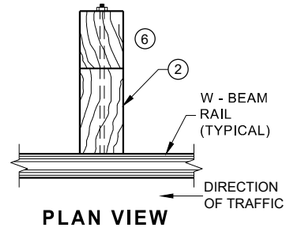
END VIEW
LOCATED ALONG A CURBED ROADWAY



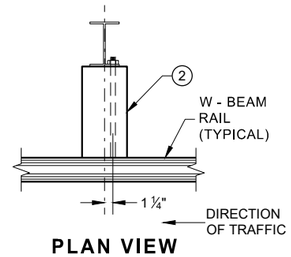
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



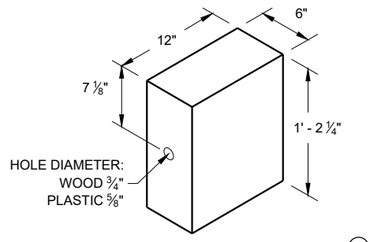
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 06a

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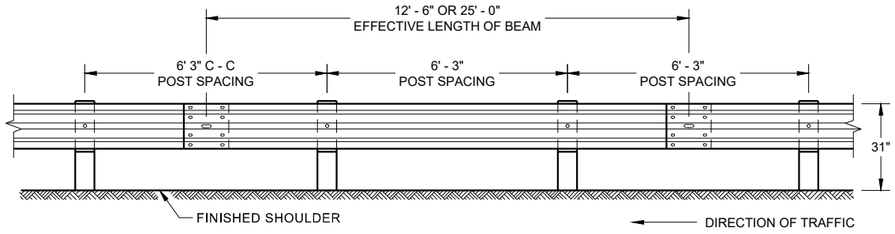
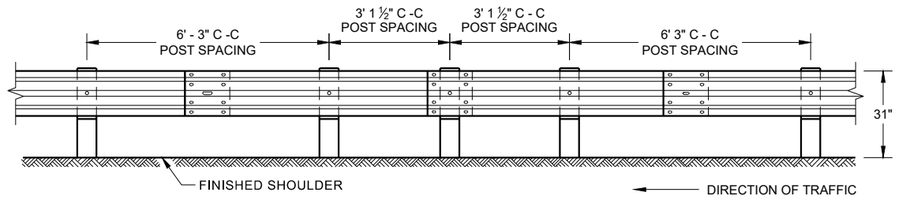
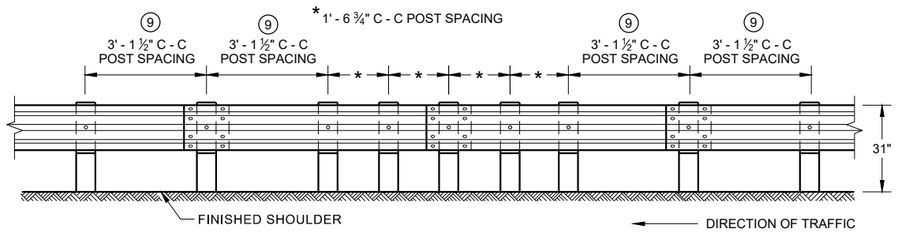
SDD 14B42 - 06a



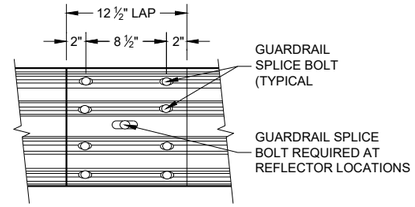
FRONT VIEW
POST SPACING STANDARD INSTALLATION



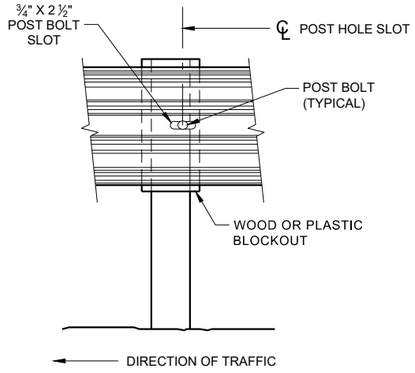
FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



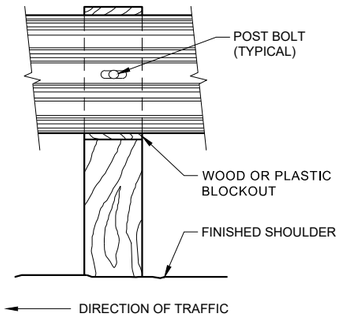
FRONT VIEW
QUARTER POST SPACING (QS)



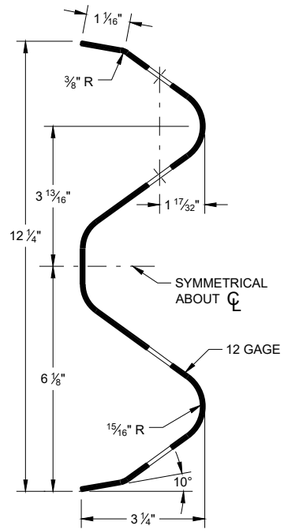
FRONT VIEW
MID-SPAN BEAM SPLICE



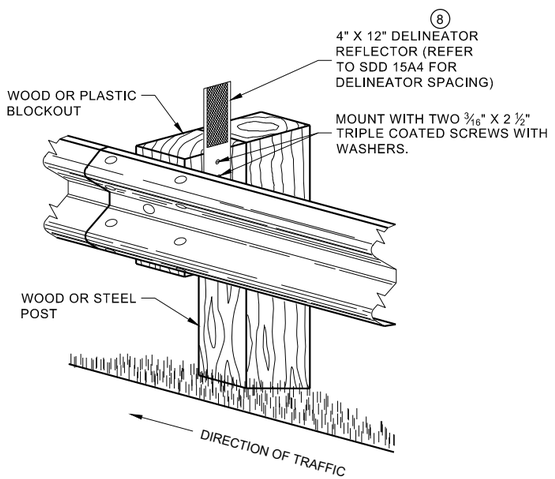
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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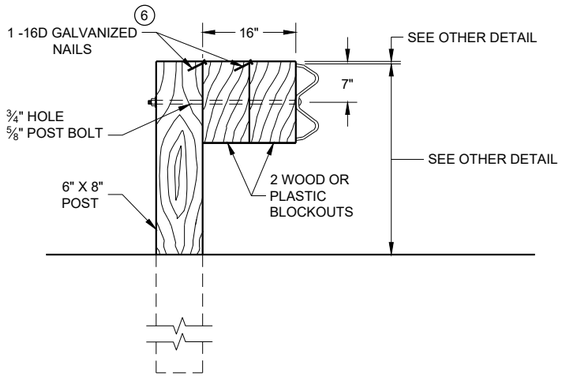
SDD 14B42 - 06b

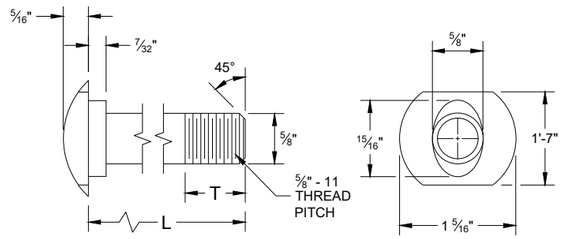


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

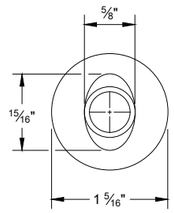
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

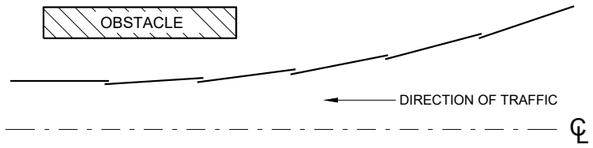


POST BOLT TABLE

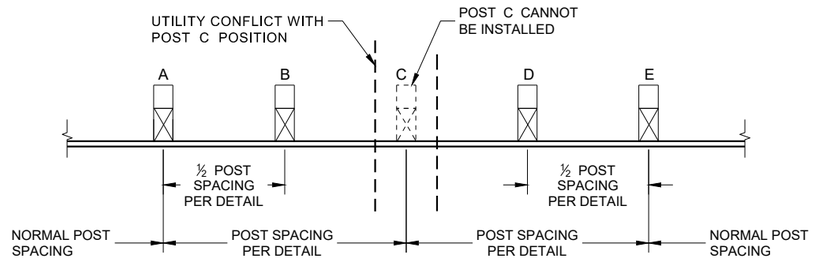
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



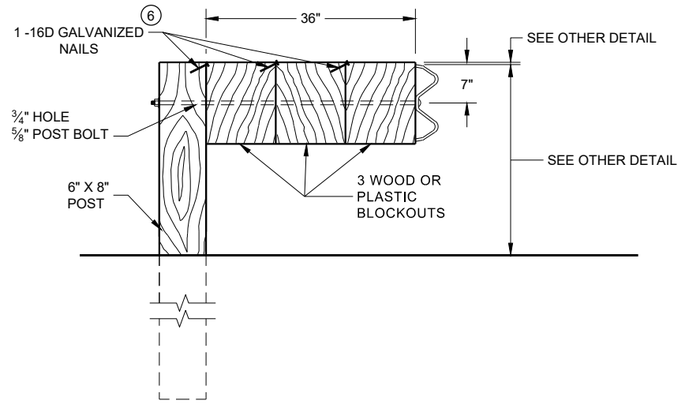
ALTERNATE BOLT HEAD



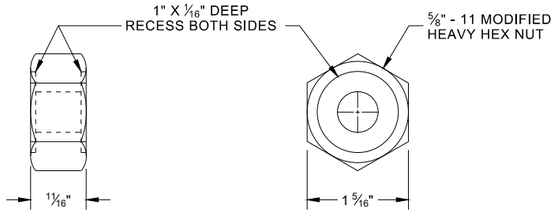
PLAN VIEW
BEAM LAPPING DETAIL



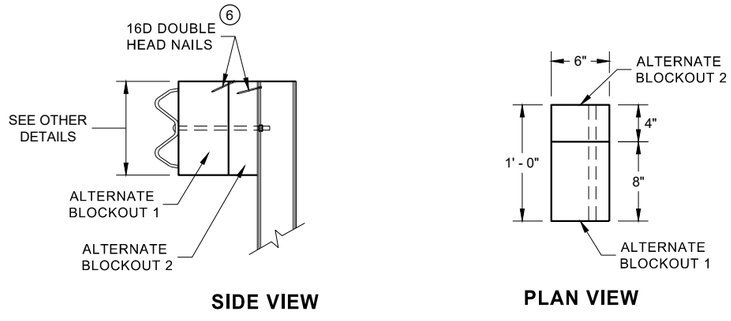
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

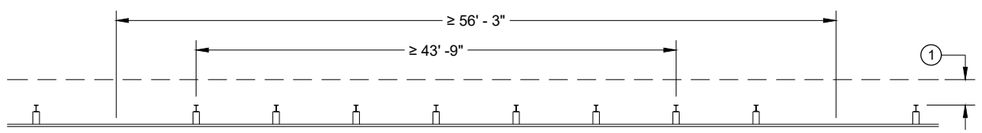
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

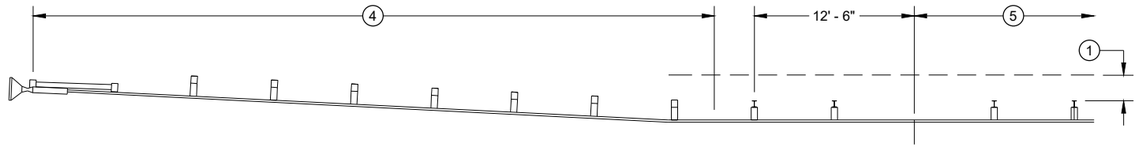
6

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

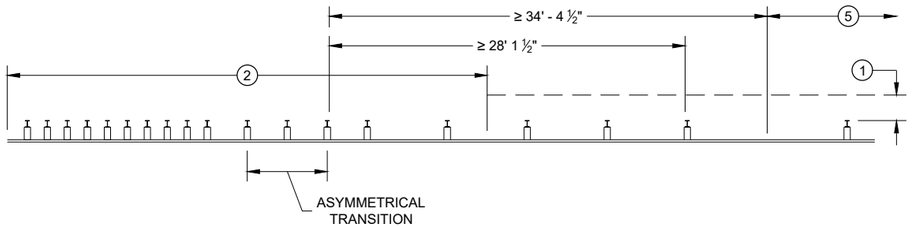
SDD 14B42 - 06c



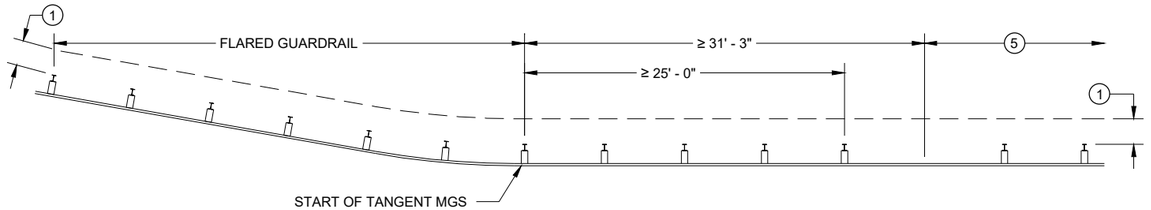
MISSING POST IN NORMAL BEAM GUARD RUN



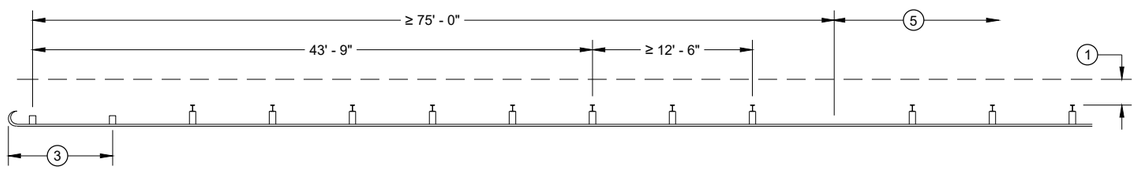
MISSING POST IN NORMAL BEAM GUARD RUN NEAR EAT



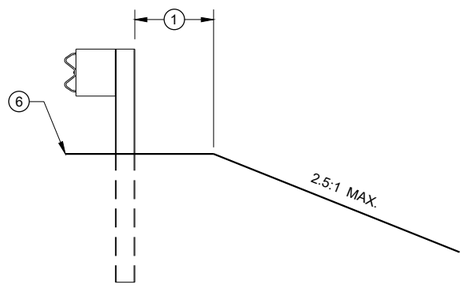
MISSING POST NEAR APPROACH THRIE BEAM TRANSITION



MISSING POST IN NORMAL BEAM GUARD RUN NEAR FLARED BEAM GUARD



MISSING POST IN NORMAL BEAM GUARD RUN NEAR TYPE 2 TERMINAL



CROSS SECTION VIEW

1. MINIMUM OF 2 FEET OF GRADING BEHIND POST.
2. SEE SDD 14B45 FOR MORE DETAILS.
3. SEE SDD 14B47 FOR MORE DETAILS.
4. SEE SDD 14B44 FOR MORE DETAILS.
5. SEE MISSING POST IN NORMAL BEAM GUARD RUN FOR DISTANCE TO NEXT MISSING POST AND AREA FOR WELL DRAINED, COMPACTED SOILS.
6. SEE PLAN FOR SHOULDER DESIGN.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 06d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

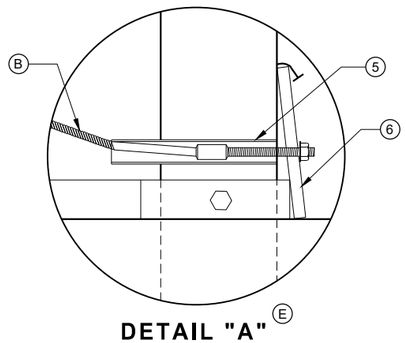
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

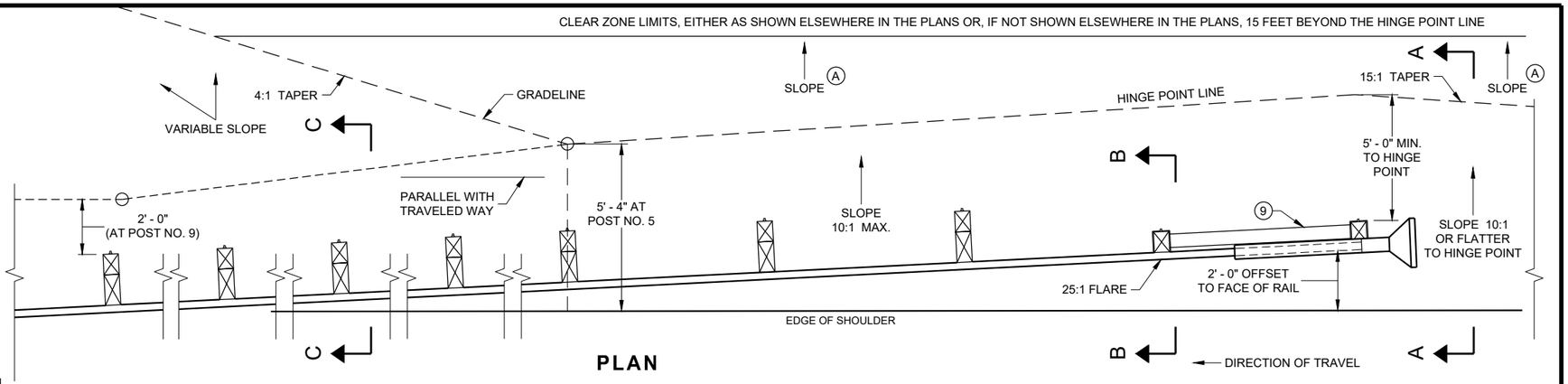
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

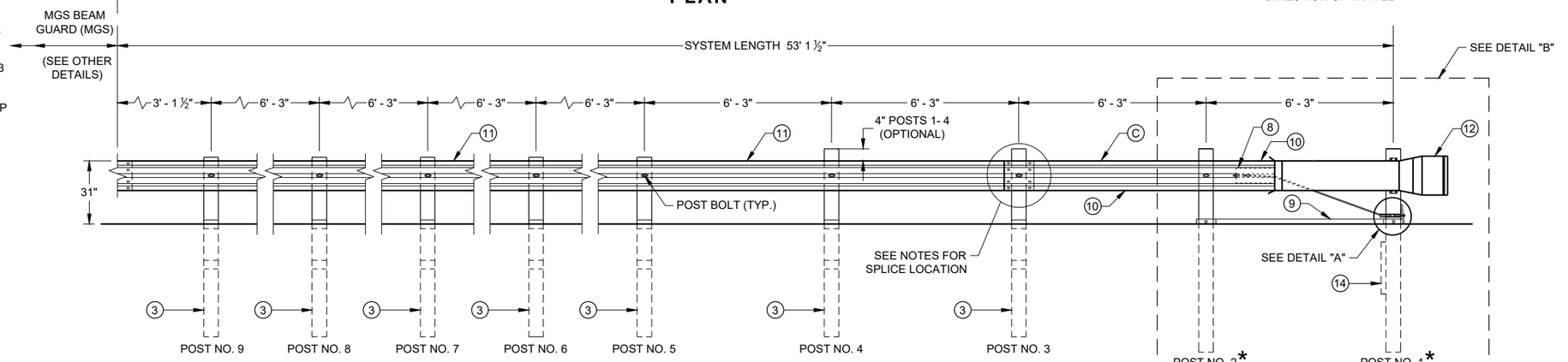
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



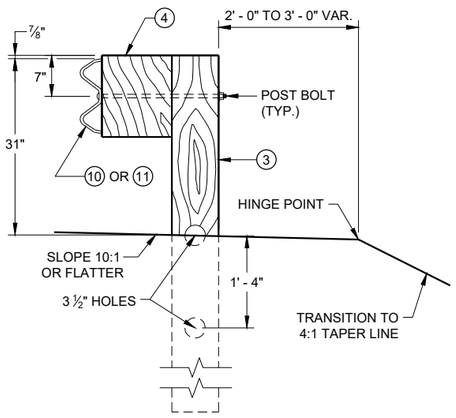
DETAIL "A" (E)



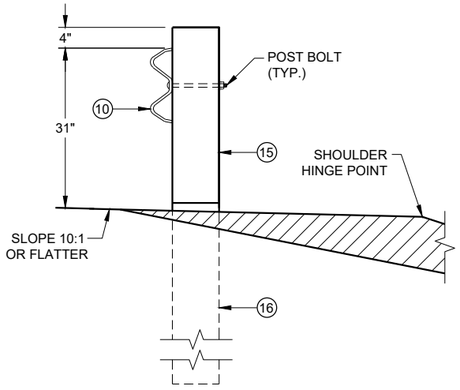
PLAN



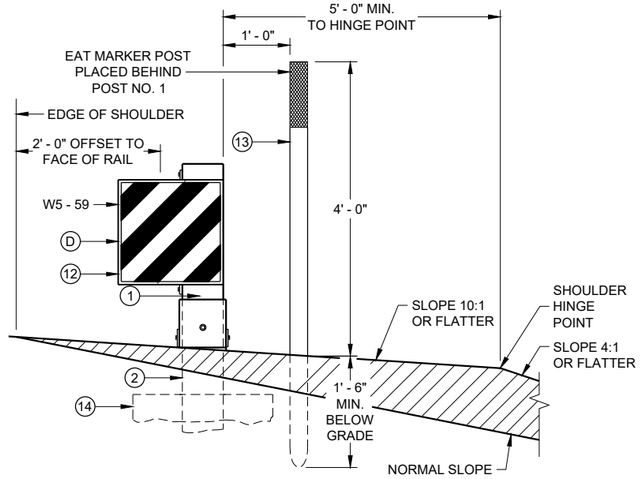
ELEVATION



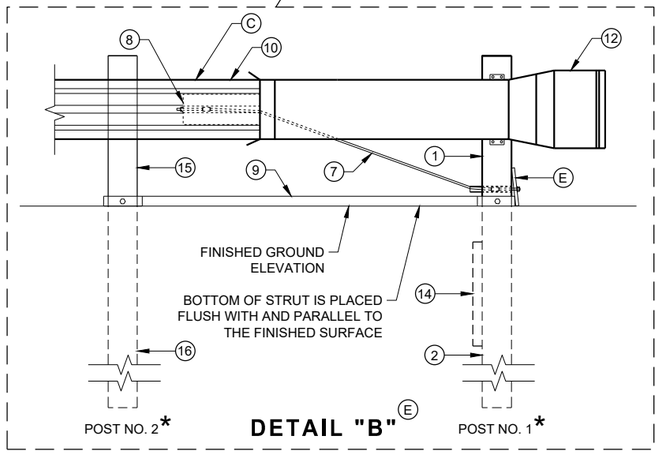
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



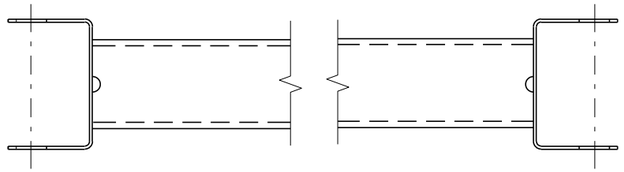
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

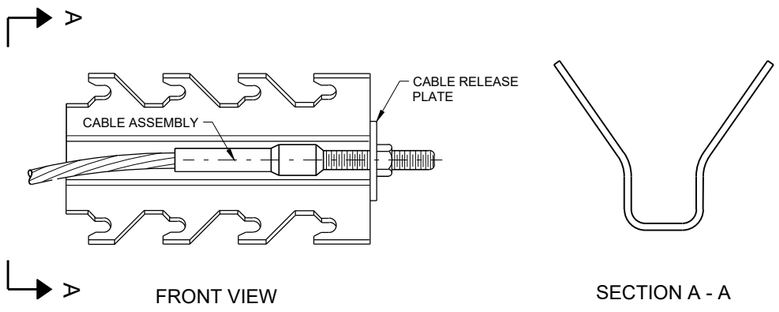
SDD 14B44 - 04a



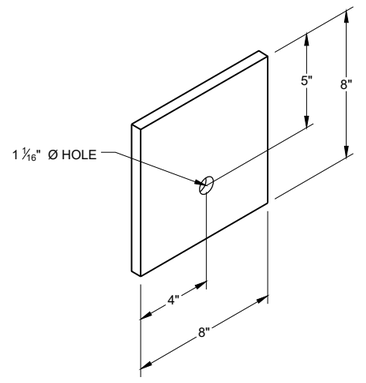
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

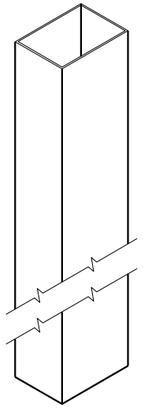
6

SDD 14B44 - 04b

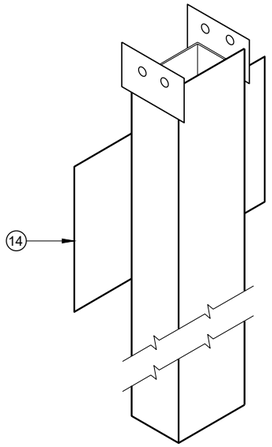
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

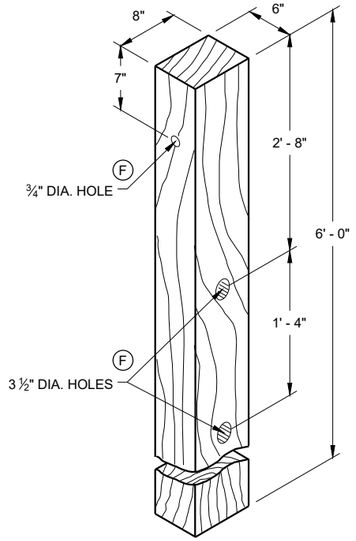
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



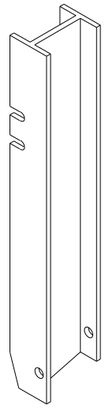
UPPER POST NO. 1 (1) (E)



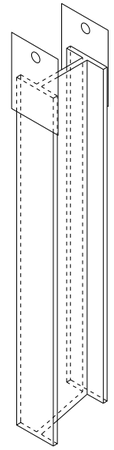
LOWER POST NO. 1 (2) (E)



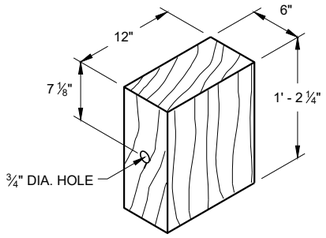
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



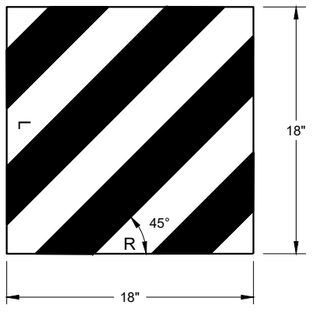
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

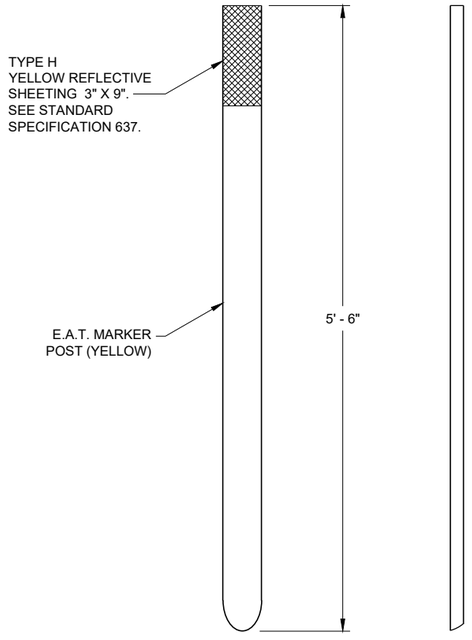


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



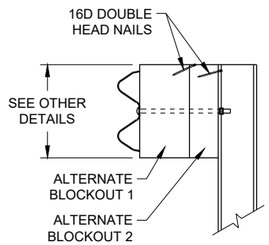
W5 - 59

REFLECTIVE SHEETING DETAIL (E)

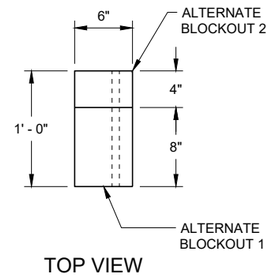


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

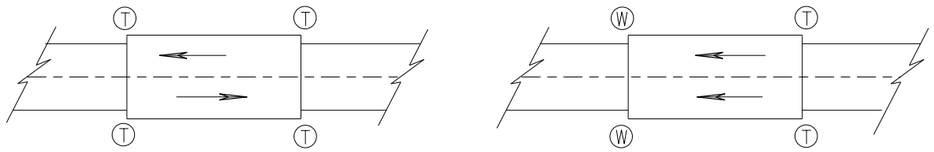
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

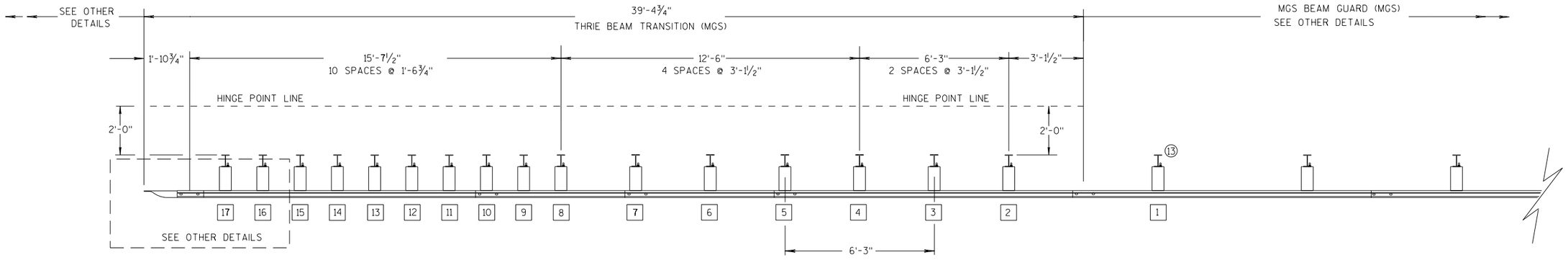
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

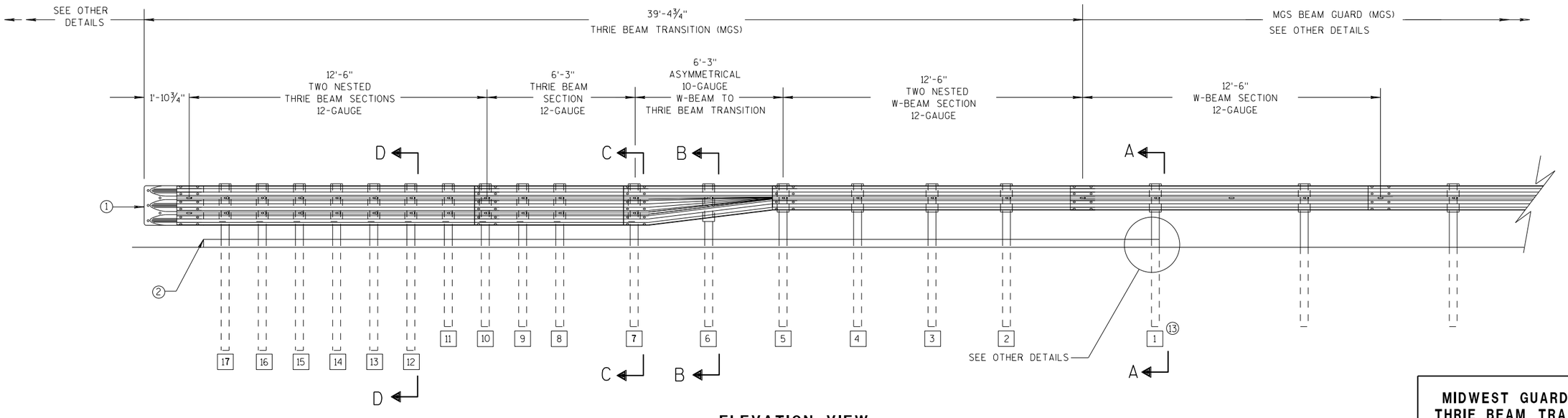
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 251

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

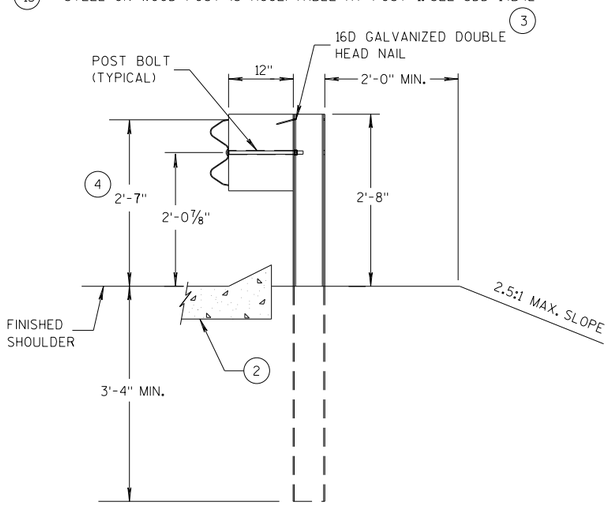
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

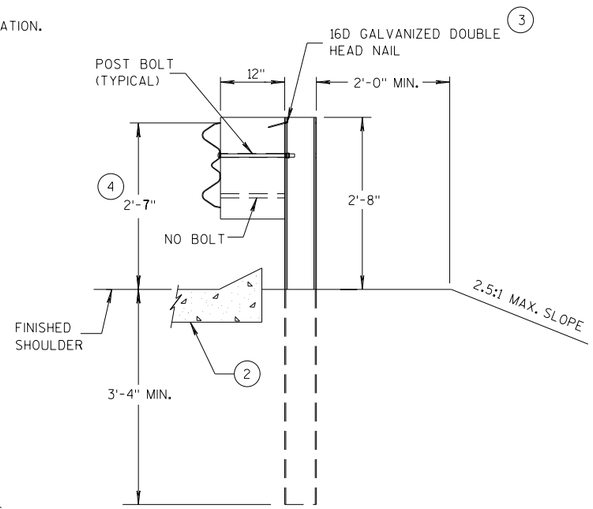
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



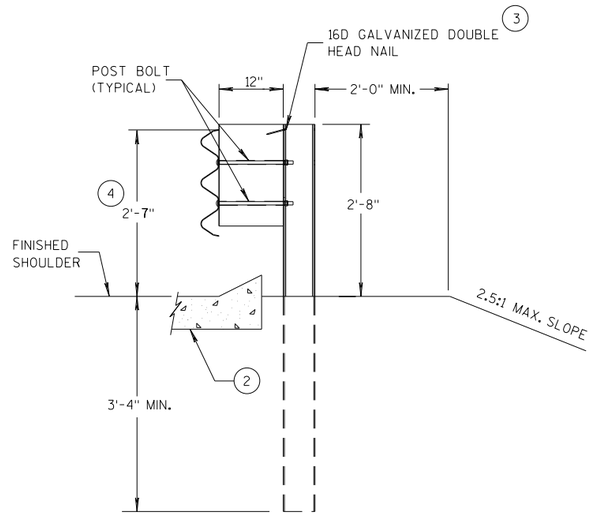
SECTION A-A (13)

POSTS 1-5



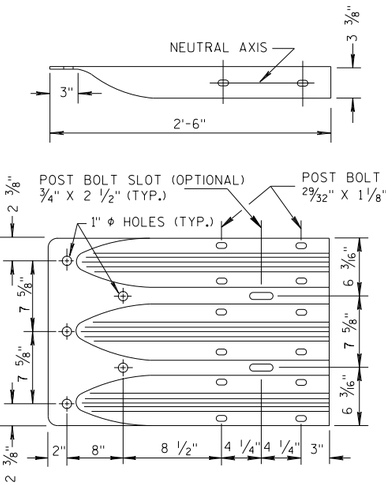
SECTION B-B

POST 6

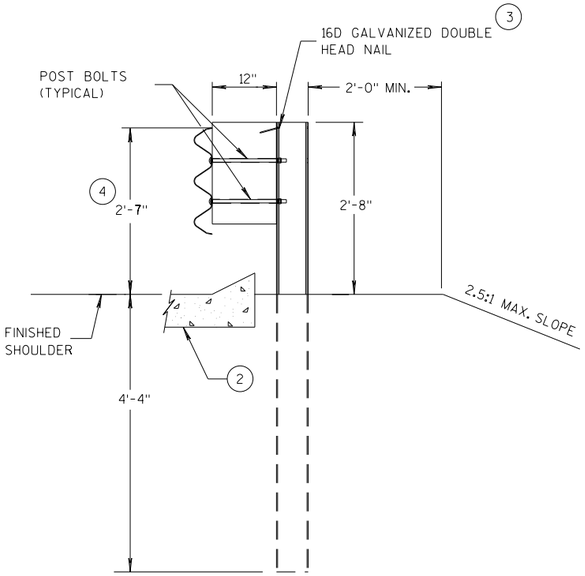


SECTION C-C

POSTS 7-11

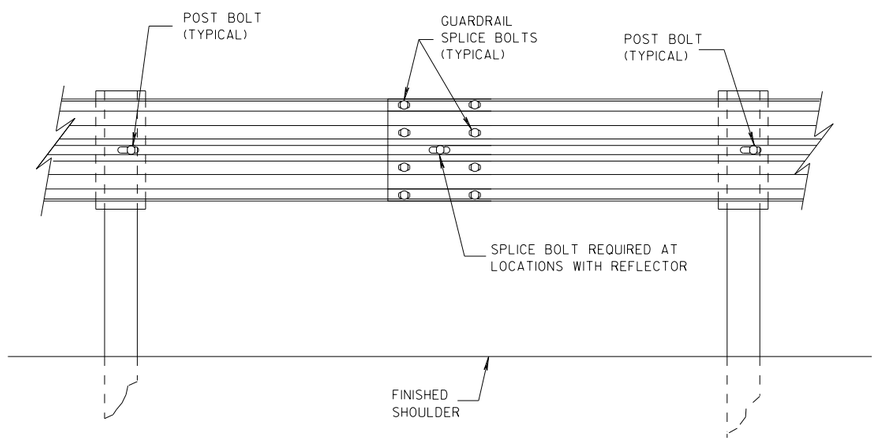


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

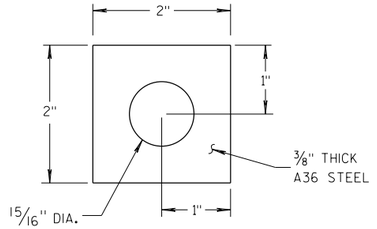
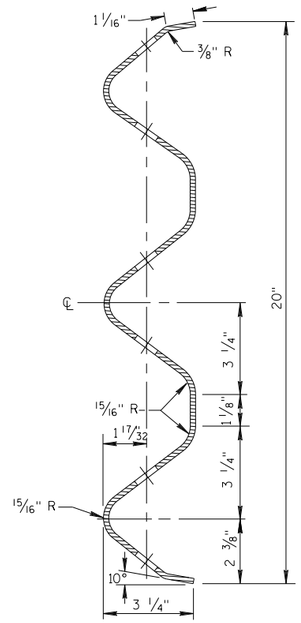


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

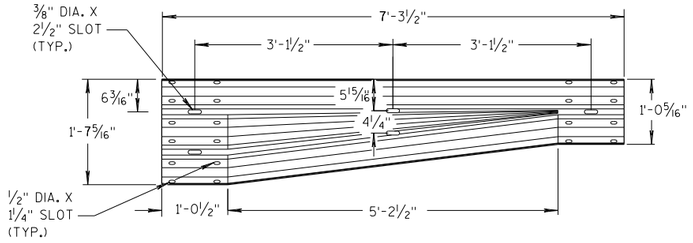
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 252

6

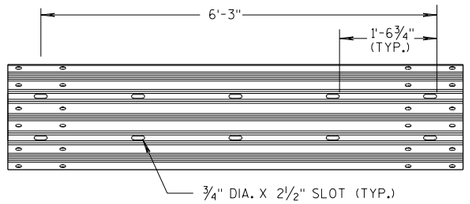
S.D.D. 14 B 45-5b

6

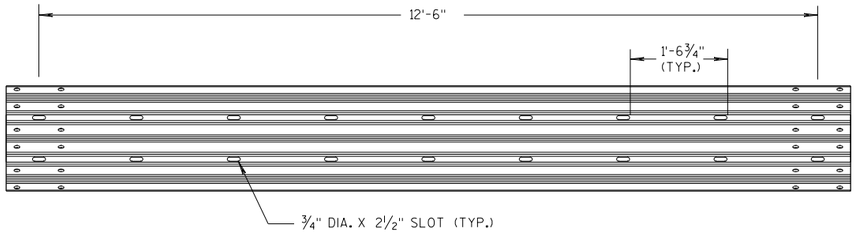
S.D.D. 14 B 45-5b



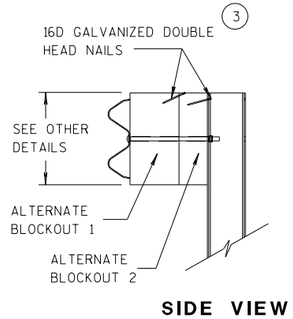
W-BEAM TO THRIE BEAM TRANSITION SECTION



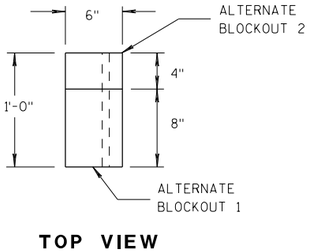
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

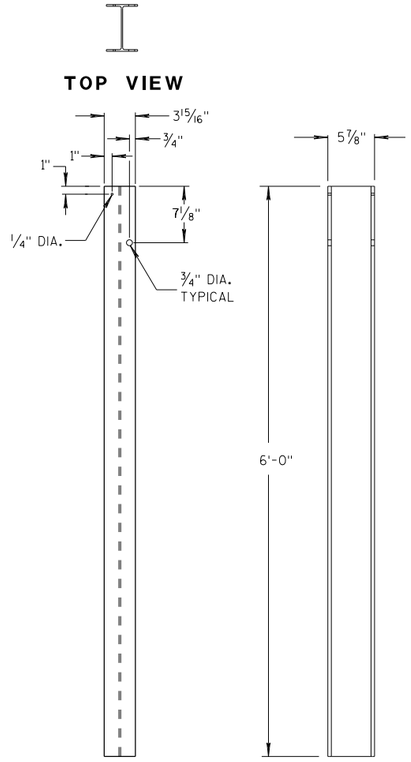


SIDE VIEW



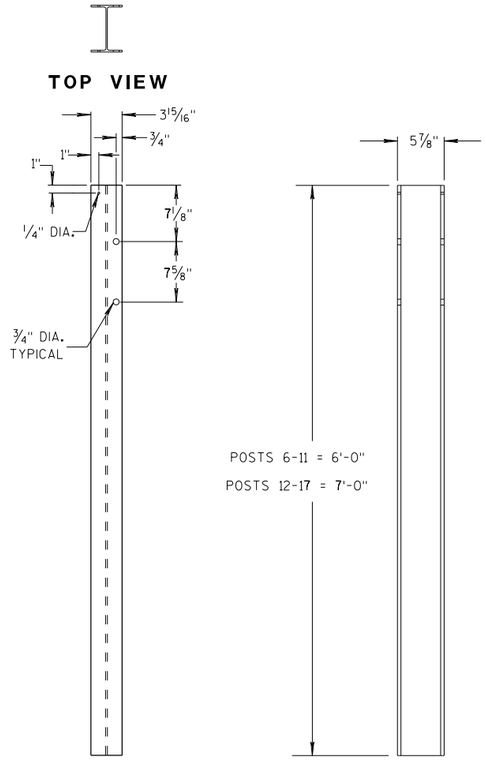
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



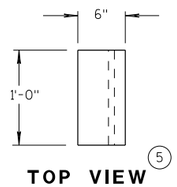
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

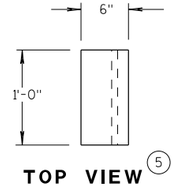


FRONT VIEW SIDE VIEW

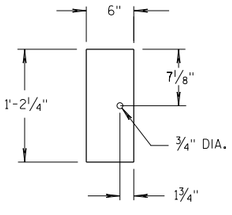
STEEL POSTS 6-17



TOP VIEW (5)

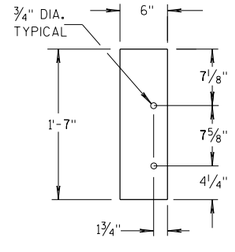


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 253

6

S.D.D. 14 B 45-5c

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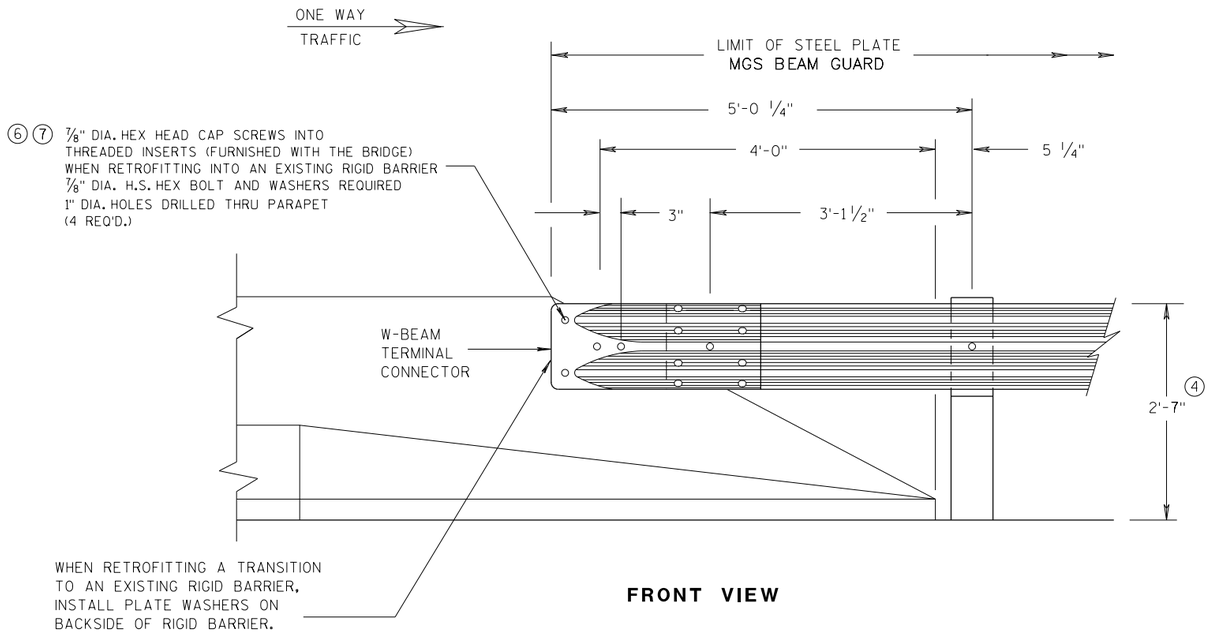
S.D.D. 14 B 45-5c



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

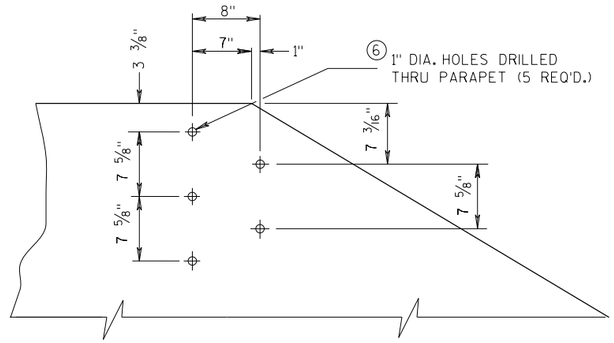
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

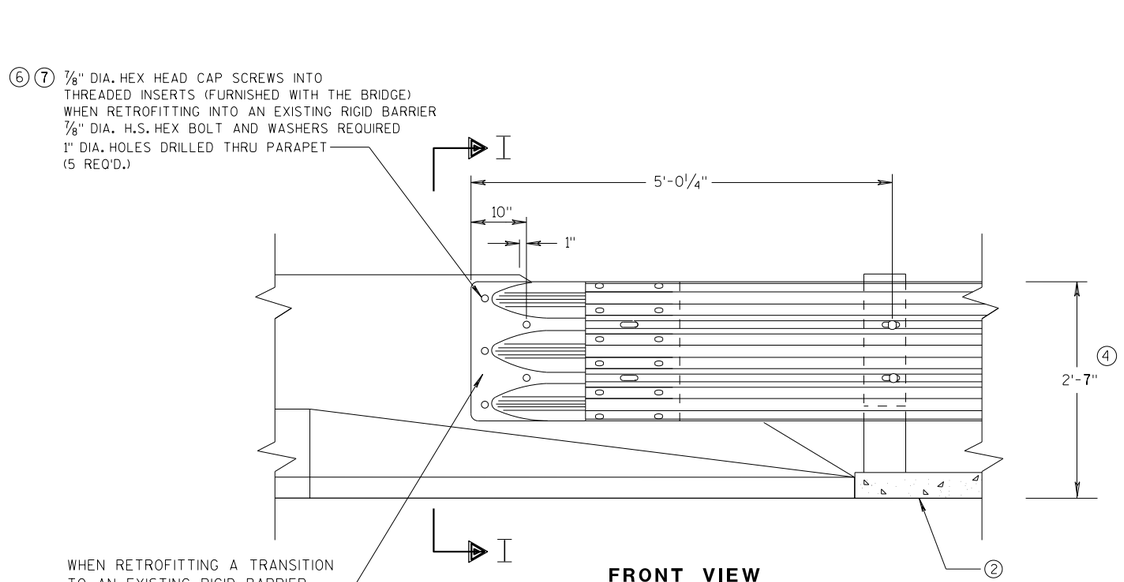
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

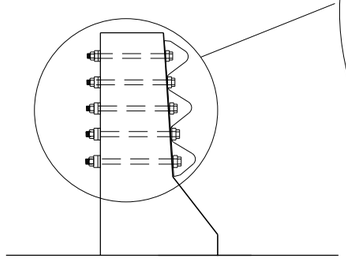
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



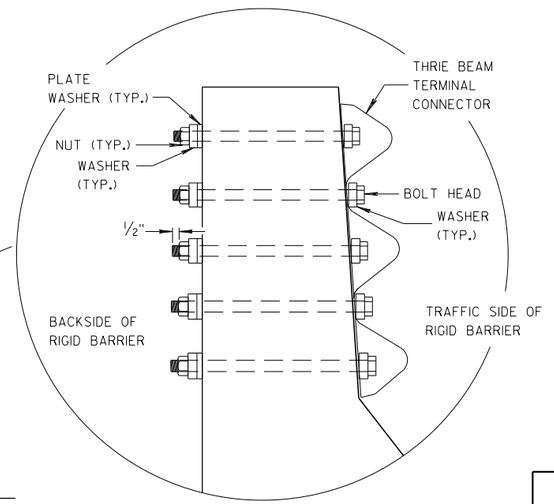
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

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S.D.D. 14 B 45-5f

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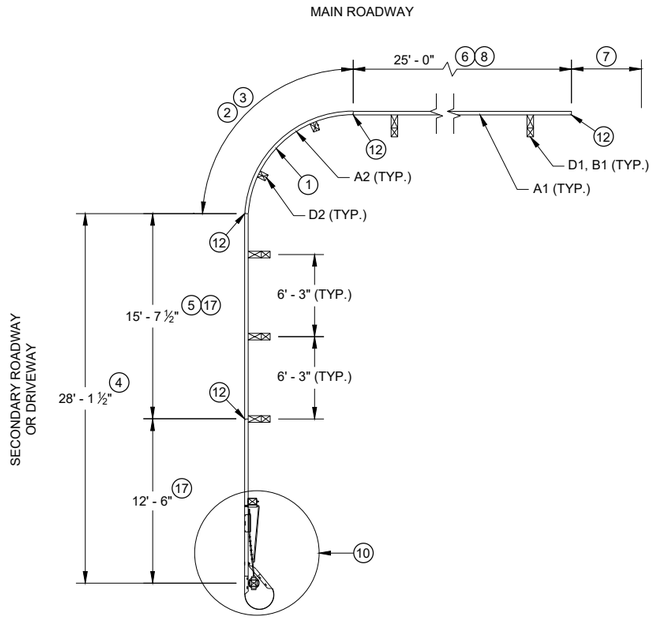
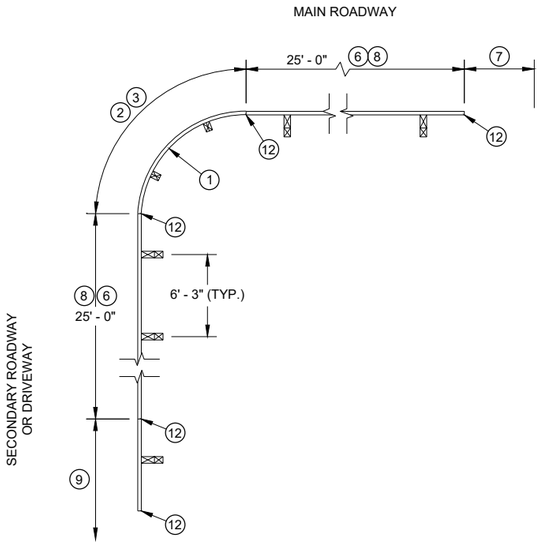
S.D.D. 14 B 45-5f



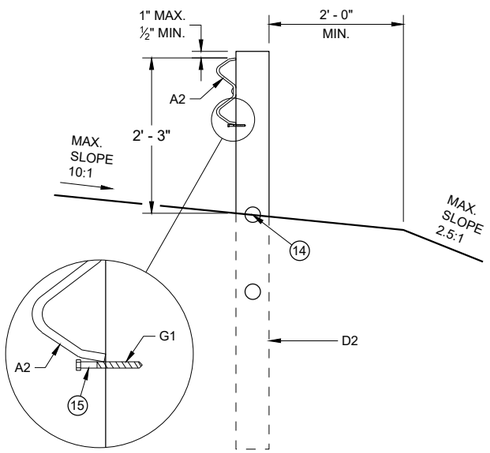
PLAN VIEW

SHORT RADIUS BEAM GUARD WITH SHORT RADIUS TERMINAL ON SECONDARY ROAD OR DRIVEWAY

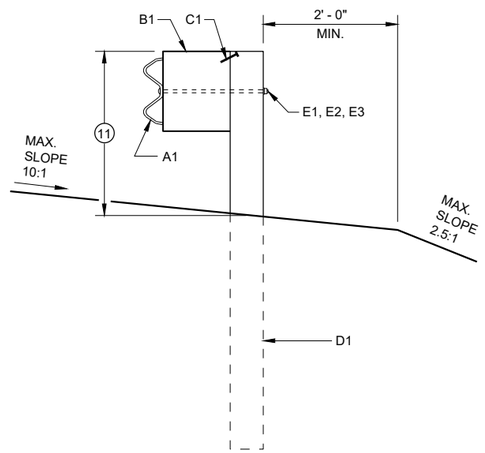


PLAN VIEW

SHORT RADIUS BEAM GUARD WITH EAT, ADDITIONAL BEAM GUARD OR TRANSITION TO RIGID BARRIER ON SECONDARY ROAD OR DRIVEWAY



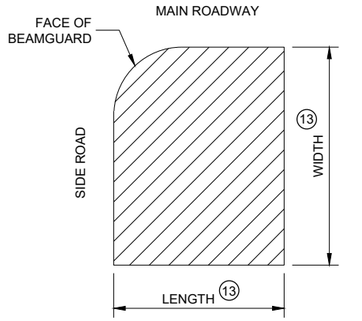
CONTROLLED RELEASE TERMINAL POST (CRT) IN RADIUS



BEAM GUARD POSTS IN HEIGHT TRANSITION

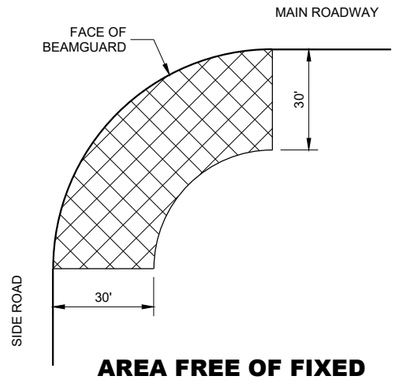
TABLE FOR RADIUS OF 32' AND LESS

RADIUS (FT)	LENGTH (FT)	WIDTH (FT)
8	25	15
16	30	15
24	40	20
32	50	30

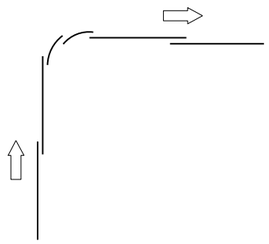


AREA FREE OF FIXED OBJECTS FOR RADIUS 32' AND LESS

16



AREA FREE OF FIXED OBJECTS FOR RADIUS GREATER THAN 32'



LAP SPLICE DETAIL

GENERAL NOTES

SEE PLANS FOR OTHER BARRIER SYSTEM AND LOCATION SPECIFICS.

SEE SDD 14B42 FOR MORE INFORMATION ON BEAM GUARD INSTALLATION, PARTS, MATERIALS, AND INSTALLATION INFORMATION.

GALVANIZE PARTS AFTER FABRICATION.

WELDING TO FOLLOW CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI / AWS D1.1.

UNLESS NOTED OTHERWISE, ALL PLATES ARE FLAT AND FREE OF WARP.

UNLESS NOTED OTHERWISE, ALL EDGES ARE SMOOTH, STRAIGHT AND VERTICAL.

ALL CUTS AND HOLES, EXCEPT IN BEAM GUARD RAIL ARE TO BE MACHINED OR MACHINE FLAME CUT.

UNLESS NOTED OTHERWISE, CUT OR PROVIDE BOLTS THAT ARE ¼" TO ½" BEYOND THE NUT.

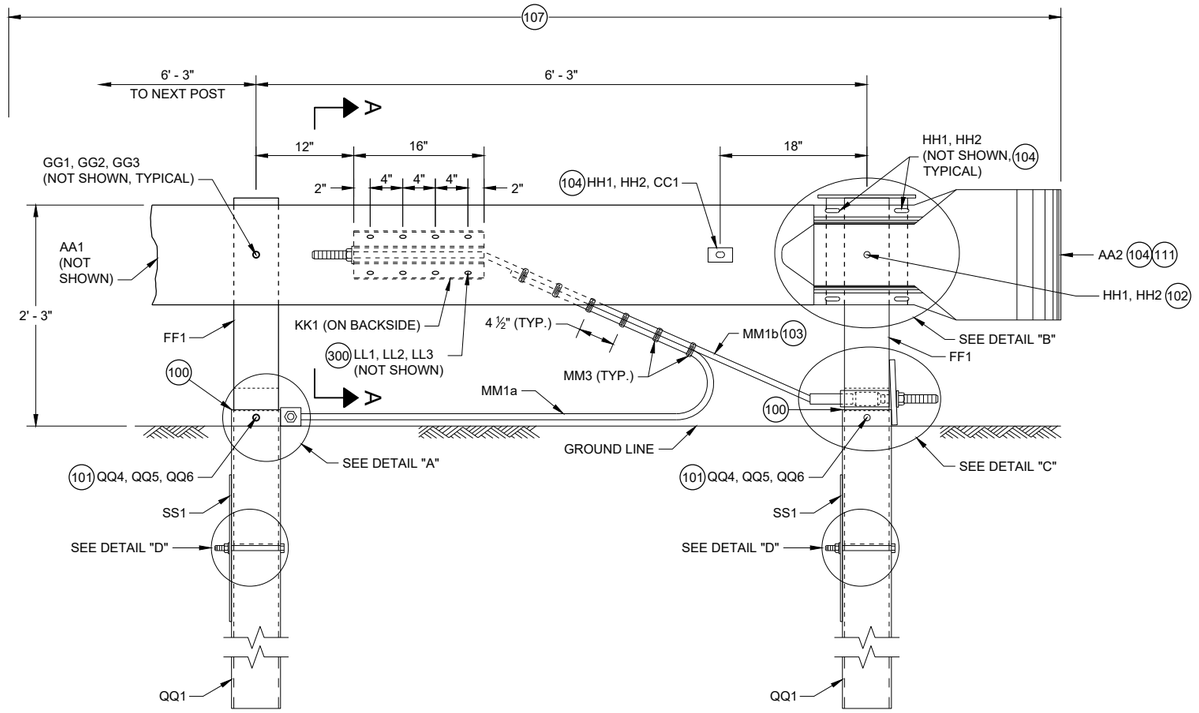
DRAWINGS ARE NOT TO SCALE.

1. RADIUS MEASURE FROM INSIDE OF RAIL. LENGTH OF BEAM GUARD SHORT RADIUS GUARD MEASURED ALONG TRAFFIC SIDE OF RAIL. RADIUS BETWEEN 8 FEET TO 150 FEET. SEE PLAN FOR REQUIRED RADIUS. BEAM GUARD RAIL IN RADIUS IS SHOP BENT. ODD RAIL LENGTH OR FIELD CUTS MAY BE REQUIRED.
2. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE USED IN THE RADIUS. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE SPACED 6' - 3". SEE PLAN FOR NUMBER OF CONTROLLED RELEASE (CRT) POSTS.
3. WITHIN RADIUS BEAM GUARD RAILS ARE NOT BOLTED TO POSTS. BEAM GUARD RAIL IS RESTED ON TOP OF LAG SCREW.
4. MINIMUM LENGTH OF BEAM GUARD ALONG SIDE ROAD OR DRIVEWAY TO INSTALL SHORT RADIUS TERMINAL. BEAM GUARD IS PAID WITH BEAM GUARD ITEM.
5. ODD LENGTH OF BEAM GUARD REQUIRED TO INSTALL SHORT RADIUS TERMINAL.
6. MINIMUM AMOUNT OF BEAM GUARD TO BE INSTALLED PRIOR TO TRANSITION TO RIGID BARRIER. ADDITIONAL BEAM GUARD, OR EAT. BEAM GUARD PAID FOR WITH BEAM GUARD ITEM. SEE PLANS FOR MORE DETAIL.
7. BEAM GUARD, EAT, OR TRANSITION TO RIGID BARRIER. SEE PLAN.
8. TOP OF BEAM GUARD BY THE RADIUS IS 27". HEIGHT OF BEAM GUARD IS 31" BY TRANSITION TO RIGID BARRIER, ADDITIONAL BEAM GUARD OR EAT.
9. ADDITIONAL BEAM GUARD, EAT OR TRANSITION TO RIGID BARRIER. BEAM GUARD SHOWN. SEE PLAN FOR DETAILS.
10. SHORT RADIUS TERMINAL (SEE OTHER DETAILS).
11. HEIGHT VARIES. SEE NOTE 8 AND 8 .
12. BEAM GUARD RAIL SPLICE LOCATION. SPLICE LOCATION REQUIRES PART F1 AND F2. SEE SDD 14B42 FOR DETAILS.
13. SEE TABLE FOR VALUES.
14. MAXIMUM HEIGHT FOR CENTER OF HOLE IS ¾" ABOVE FINISHED GROUND ±1".
15. DRILL POST $^{15}/_{64}$" DIA. PILOT HOLE. DO NOT HAMMER LAG SCREW INTO POST.
16. SMALL SIGNS ON BREAKAWAY HARDWARE ARE ACCEPTABLE.
17. TOP OF RAIL HEIGHT IS 27" WHEN USING A SHORT RADIUS TERMINAL (CRT).

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

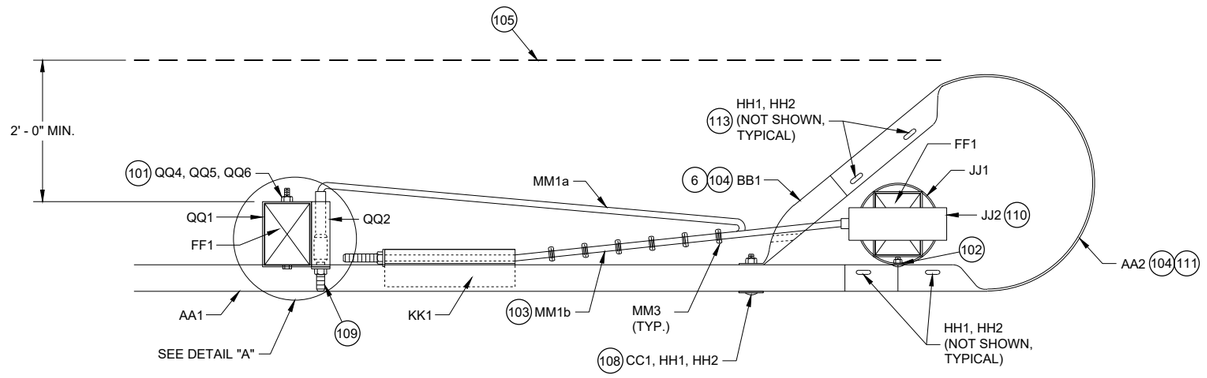
6

SDD 14B53 - 01a



PROFILE VIEW

SHORT RADIUS TERMINAL



TOP VIEW

SHORT RADIUS TERMINAL

GENERAL NOTES

100 TOP OF FOUNDATION TUBE 2 INCHES MAXIMUM ABOVE FINISHED GROUND.

101 WASHERS REQUIRED BETWEEN BOLT HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

102 SPLICE BOLT AND NUT CONNECTS BEAM GUARD RAIL, W-BEAM SECTION BUFFER, AND STEEL PIPE ASSEMBLY. NO WASHER REQUIRED. SEE DETAIL "B".

103 CABLE IS TAUT.

104 ADJUST AA2 AND BB1 TO FIT.

105 BREAK POINT OF SHOULDER.

106 TACK WELD CABLE CONNECTOR TUBE PLATE TO CABLE CONNECTION TUBE. SEE DETAIL "A" PROFILE VIEW.

107 PAY LIMIT FOR BEAM GUARD.

108 SQUARE WASHER BETWEEN HEAD OF BOLT AND TRAFFIC FACE OF BEAM GUARD. ROUND WASHER REQUIRED BETWEEN NUT AND BB1.

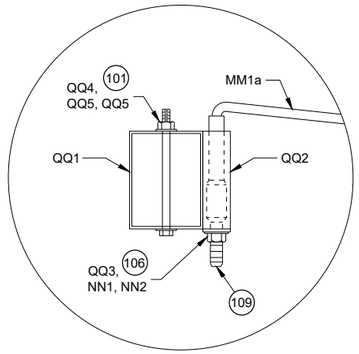
109 CUT OR PROVIDE THREADED STUD THAT IS FLUSH WITH FACE OF BEAM GUARD RAIL KK1 (PLUS OR MINUS ½" TOLERANCE). DEBURR AFTER CUTTING.

110 SEE STEEL PIPE ASSEMBLY DETAILS.

111 ATTACH UU2 WITH UU3. SHOP APPLY UU1 TO UU2.

112 FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA1 TO AA2.

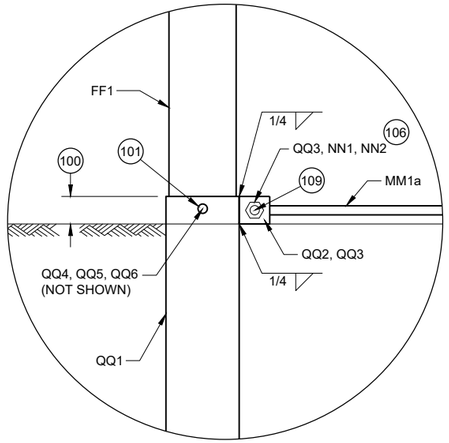
113 FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA2 TO BB1.



TOP VIEW

DETAIL "A"

(WOOD BREAKAWAY AND BEAM GUARD RAIL POSTS NOT SHOWN)



PROFILE VIEW

DETAIL "A"

6

SDD 14B53 - 01b

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

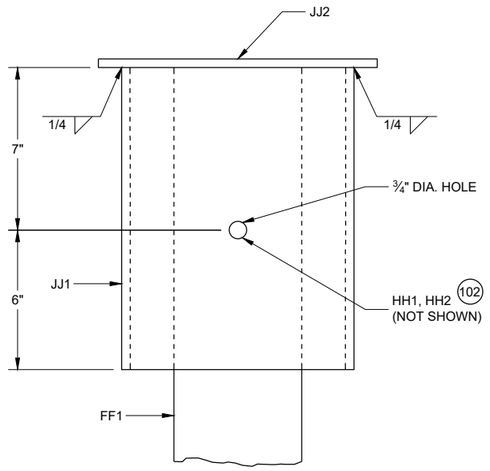
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B53 - 01b

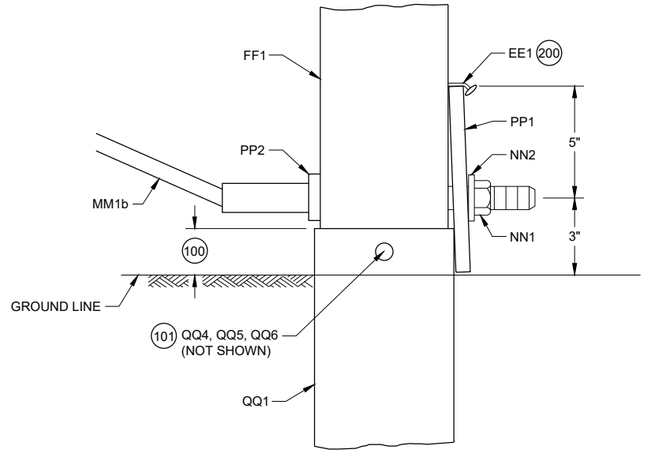
GENERAL NOTES

(200) TWO (2) NAILS SPACED 4 INCHES CENTER TO CENTER.



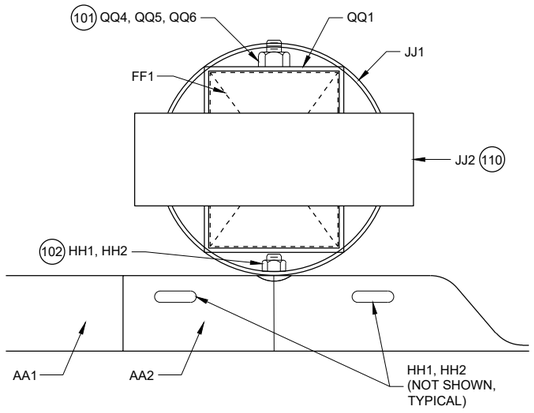
PROFILE VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY
(BEAM GUARD AND W BEAM END SECTION NOT SHOWN)



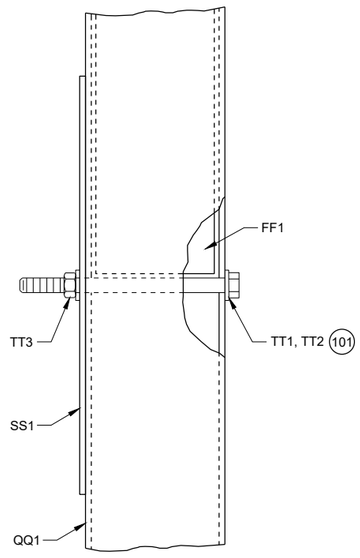
PROFILE VIEW

DETAIL "C"



PLAN VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY



PROFILE VIEW

DETAIL "D"

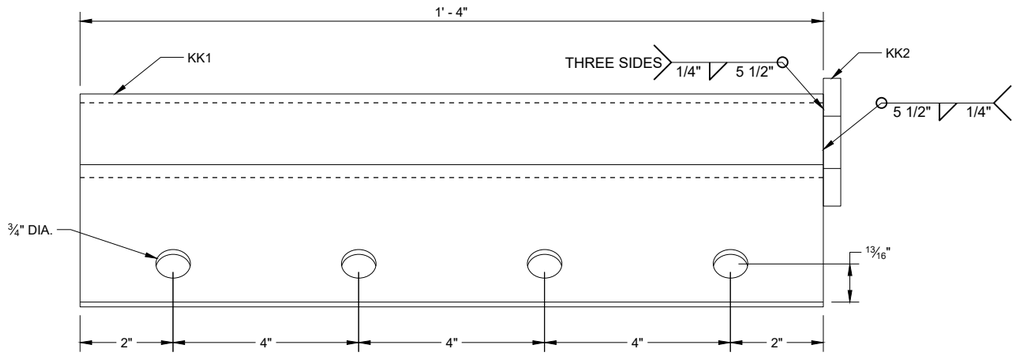
SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

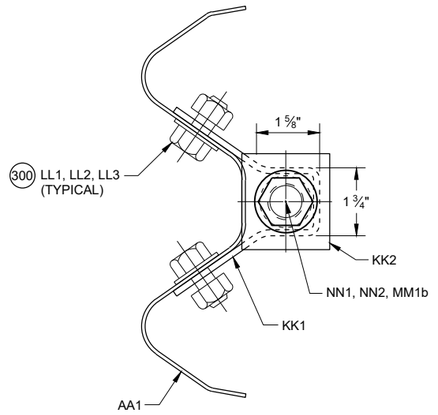
6

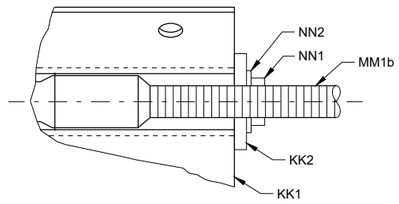
SDD 14B53 - 01c

GENERAL NOTES

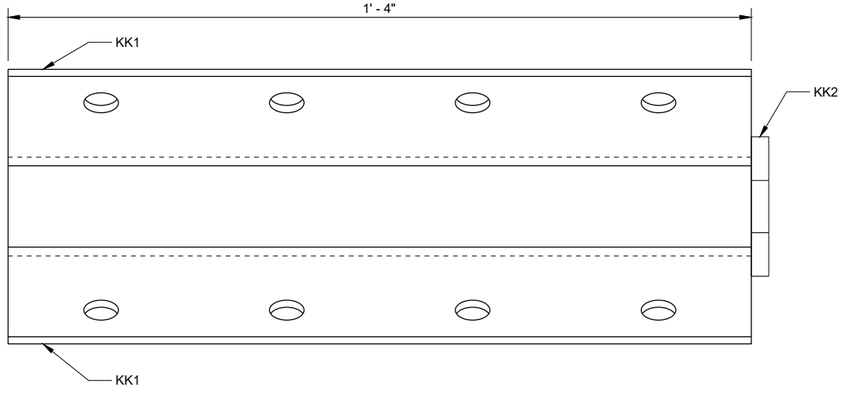
(300) WASHERS REQUIRED BETWEEN BOLT HEAD AND BEAM GUARD RAIL AND BETWEEN NUT AND ANCHOR BRACKET. EIGHT (8) LL1 AND LL3 REQUIRED. SIXTEEN (16) LL2 REQUIRED.

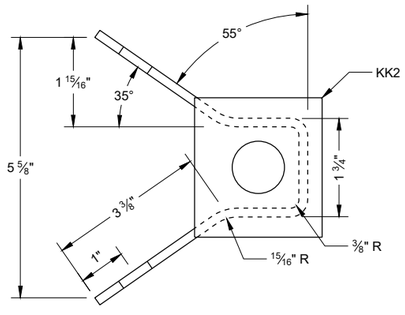




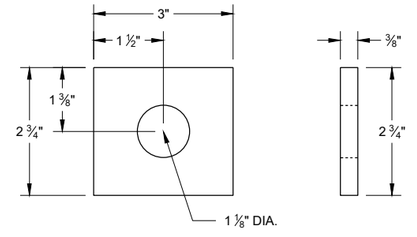


SECTION A - A





ANCHOR BRACKET (KK1, KK2)



ANCHOR BRACKET BEARING PLATE (KK2)

6

6

SDD 14B53 - 01d

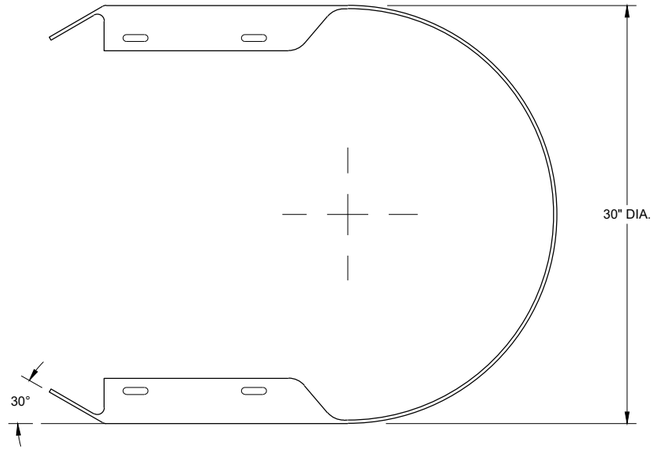
SDD 14B53 - 01d

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

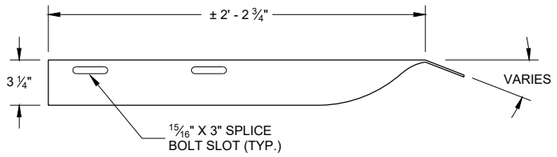
GENERAL NOTES

(400) CROSS SECTION OF PART IS TO FIT OVER AA1 .

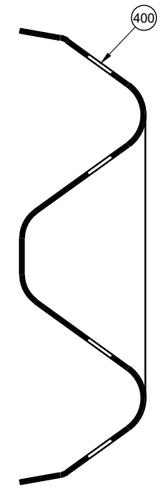
(401) CROSS SECTION OF PART IS TO FIT OVER OR UNDER AA1 .



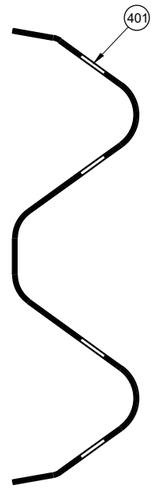
TOP VIEW



TOP VIEW



SECTION B -B



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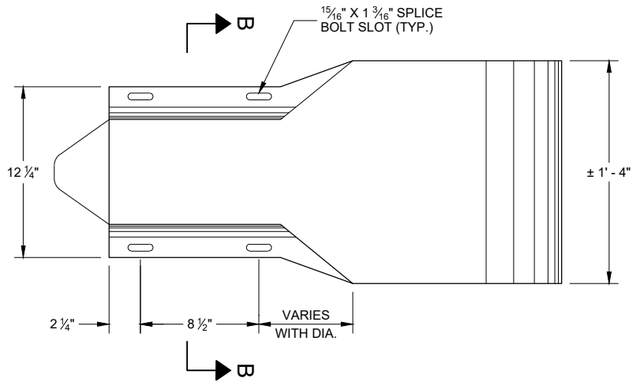
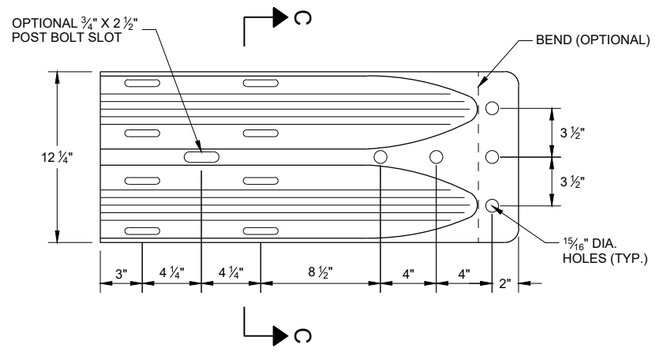


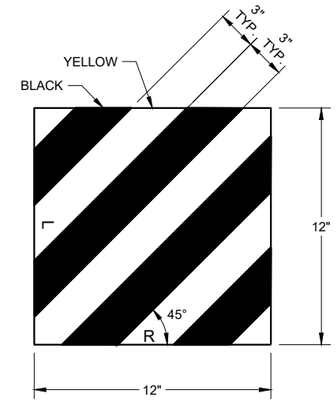
PROFILE VIEW

W BEAM
END SECTION BUFFER (AA2)



PROFILE VIEW

W BEAM
TERMINAL CONNECTOR (BB1)



REFLECTIVE SHEETING (UU1, UU2)

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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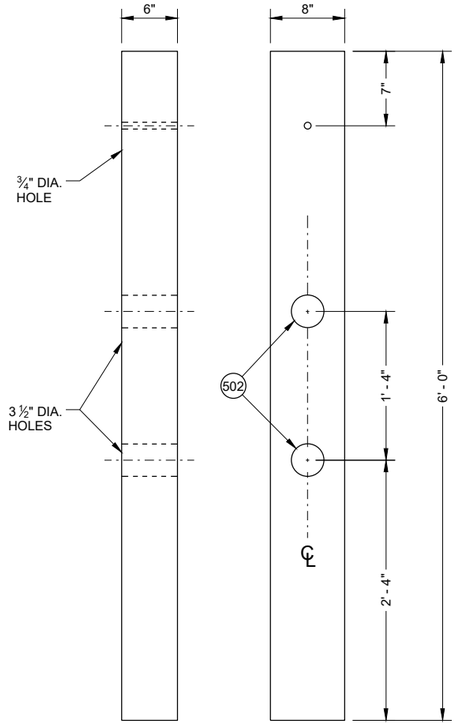
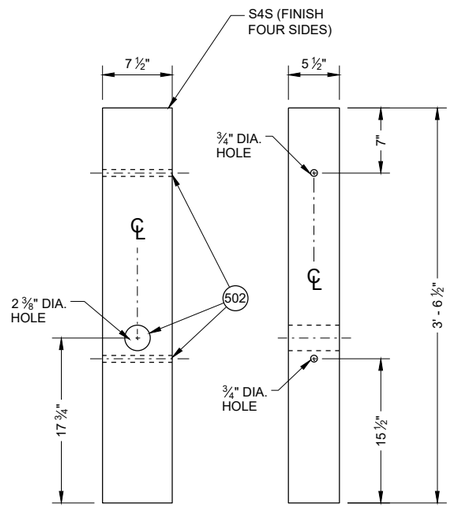
SDD 14B53 - 01e



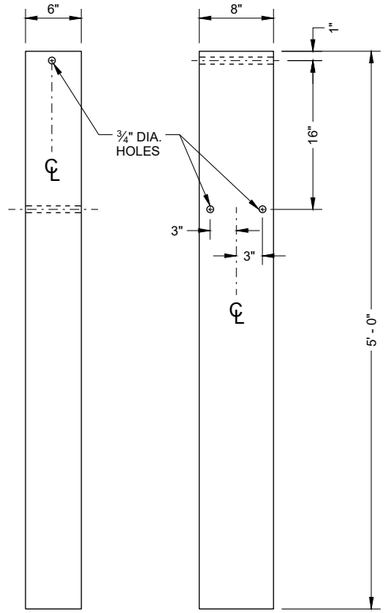
FRONT VIEW SIDE VIEW

CONTROLLED RELEASE POST (CRT) (DD2)



FRONT VIEW SIDE VIEW

WOOD BREAKAWAY POST (FF1)



FRONT VIEW SIDE VIEW

FOUNDATION TUBE (QQ1) 500

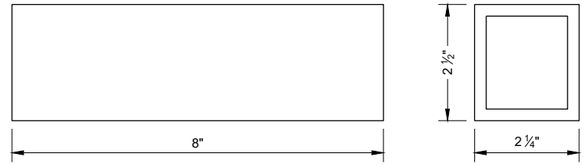
GENERAL NOTES

500 SEE DETAIL "D" FOR LOCATION AND ATTACHMENT OF SS1.

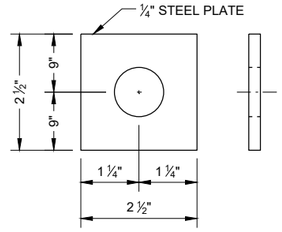
501 FOR MM1a THREADED STUD ONLY REQUIRED ON ONE END. SWAGED FITTING REQUIRED.

502 LOCATE HOLES ON THE CENTERLINE OF THE SIDE OF THE POST.

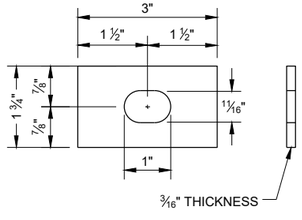
503 MM1a MAY HAVE ONE THREADED STUD 4 INCHES LONG. SEE NOTE 109.



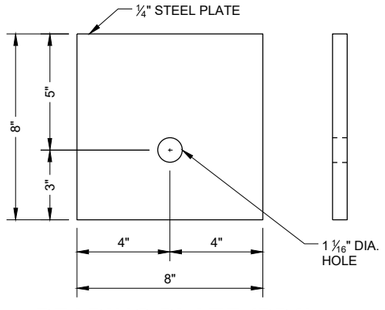
FOUNDATION TUBE - ANCHOR CABLE TUBE (QQ2)



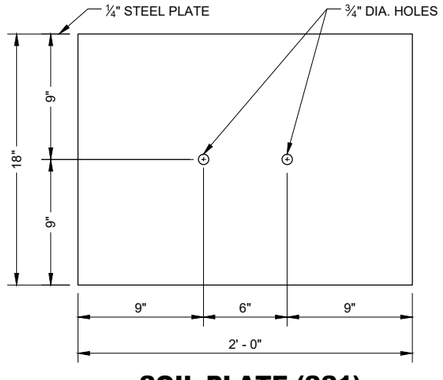
ANCHOR CABLE TUBE END PLATE (QQ3)



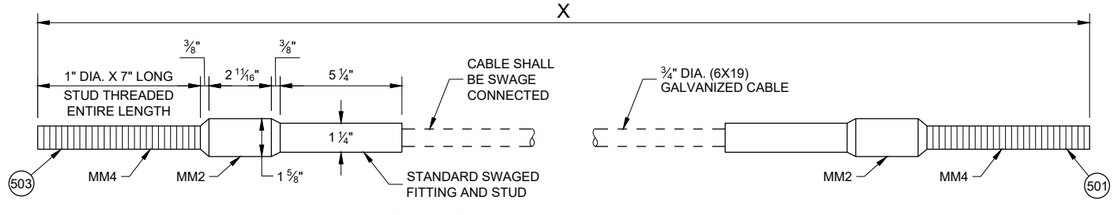
RECTANGULAR PLATE WASHER (CC1)



BEARING PLATE (PP1)



SOIL PLATE (SS1)



CABLE ASSEMBLY (MM1a, MM1b)

"X" LENGTH

MM1b	9' - 0"
MM1b	6' - 8"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B53 - 01f

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	BEAM GUARD RAIL	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
A2	BEAM GUARD RAIL - SHOP BENT	INDICATE ON BACK OF RAIL THE RADIUS THAT RAIL WAS BENT TO. SHOP BEND RADIUS IS TO THE NEAREST FOOT. FOLLOW AASHTO M180 ON HOW TO MARK RADIUS INFORMATION.	
		AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
B1	BLOCK - WOOD	WISDOT SPEC. 614	SEE SDD 14B42
C1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEAD)	
D1	POST-STRONG POST-WOOD	WISDOT SPEC. 614	SEE SDD 14B42
D2	POST-CRT-WOOD	WISDOT SPEC. 614	
E1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
E2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
E3	POST BOLT - NUT	AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
F1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
F2	SPLICE BOLT - NUT	ASTM A563 GRADE A	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
G1	LAG SCREW	ASTM A308 GRADE A ASTM A153 CLASS D	1/2" DIA. 6" LONG
H1	DELINEATOR - BEAM GUARD		SEE SDD 14B42 FOR MORE INFORMATION
H2	DELINEATION - SHEETING	YELLOW OR WHITE	
		WISDOT SPEC 637 TYPE SH	
		APPROVED PRODUCT LIST	
J1	FOUNDATION BACKFILL	STANDARD SPEC. 614	
AA1	BEAM GUARD RAIL - PUNCHED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
AA2	BEAM GUARD RAIL - END SECTION BUFFER	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
BB1	BEAM GUARD RAIL - TERMINAL CONNECTOR MODIFIED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
CC1	SHORT RADIUS - SQUARE WASHER	AASHTO M180	
		GALV. AASHTO M111 / ASTM A123	
EE1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)	
FF1	POST - BCT - WOOD	S4S FINISH ON 4 SIDES	
		WISDOT SPEC. 614	
GG1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		UNC	
GG2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	3/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C/ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

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SDD 14B53 - 01g

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
GG3	POST BOLT - NUT	ASTM A563 GRADE A	⅜" DIA. SEE 14B42 FOR GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
HH1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	⅜" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180 HEAD GEOMETRY	
HH2	SPLICE BOLT - NUT	ASTM A563 GRADE A	⅜" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
JJ1	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	10" O.D.
JJ2	TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS ⅜" X 4" X 1' - 0"
		GALV. AASHTO M111 / ASTM A123	
KK1	ANCHOR BRACKET	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
KK2	ANCHOR BRACKET - BEARING PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
LL1	ANCHOR BRACKET - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	⅝" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
LL2	ANCHOR BRACKET - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	⅝" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
LL3	ANCHOR BRACKET - NUT	ASTM A563 GRADE A	⅝" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
MM1a	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM1b	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM2	ANCHOR CABLE - SWAGE FITTING	ASTM A576 GRADE 1035	
		SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. WITH A BREAKING STRENGTH 40,000 LBS.	
		GALV. AASHTO M111 / ASTM A123	
		ASME B30.26 FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING INTO CONNECTION: NAME OF MANUFACTURER OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE.	
MM3	WIRE ROPE CABLE CLAMPS	FF-C-450D TYPE 1 CLASS 1	¾"
		ASTM A153 HOT DIP CLASS D	
MM4	ANCHOR CABLE - SWAGE FITTING - STUD	ASTM F3125 GRADE A325 TYPE 1 OR SAE GRADE 5 OR ASTM A449 TYPE 1 HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
NN1	ANCHOR CABLE - NUT	ASTM A563 GRADE A	1" DIA.
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
NN2	ANCHOR CABLE - NUT - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	1" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

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SDD 14B53 - 01h

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
PP1	BEARING PLATE AT POST	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
PP2	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	2" DIA. x 6" LONG
QQ1	FOUNDATION TUBE	ASTM A500 GRADE B	8" X 6" X 3/16"
		GALV. AASHTO M111 / ASTM A123	
QQ2	SHORT RADIUS - FOUNDATION TUBE - ANCHOR CABLE - TUBE	ASTM A500 GRADE B	DIMENSIONS 2 1/2" X 2 1/4" X 1/4" X 8"
		GALV. AASHTO M111 / ASTM A123	
QQ3	SHORT RADIUS - SOIL TUBE - ANCHOR CABLE - TUBE - END PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 2 1/2" X 2 1/2" X 1/4"
		GALV. AASHTO M111 / ASTM A123	
QQ4	GROUND STRUT AND YOKE - BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
		ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	
		UNC	
QQ5	GROUND PLATE AND YOKE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
QQ6	GROUND STRUT AND YOKE - NUT	HEAVY HEX	5/8 DIA.
		UNC	
		ASTM A563 GRADE A	
		OVER TAPPED NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
SS1	SOIL PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / A123	
TT1	SOIL PLATE - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8 DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
TT2	SOIL PLATE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
TT3	SOIL PLATE - NUT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
UU1	OBJECT MARKER - SHEETING	MUTCD / WISDOT OBJECT MARKER TYPE 3	PATTERN AND COLOR FOR SHEETING. SHEETING TYPE FOR MARKER.
		WISDOT SPEC 637 TYPE F	
		APPROVED PRODUCT LIST	
UU2	OBJECT MARKER - ALUMINUM PLATE	WISDOT SPEC 637 ALUMINUM PLATE	MATERIAL AND THICKNESS OF MATERIALS
UU3	OBJECT MARKER - SCREWS	STAINLESS SELF-TAPPING SCREWS	
VV1	FOUNDATION BACKFILL	WISDOT SPEC 614	

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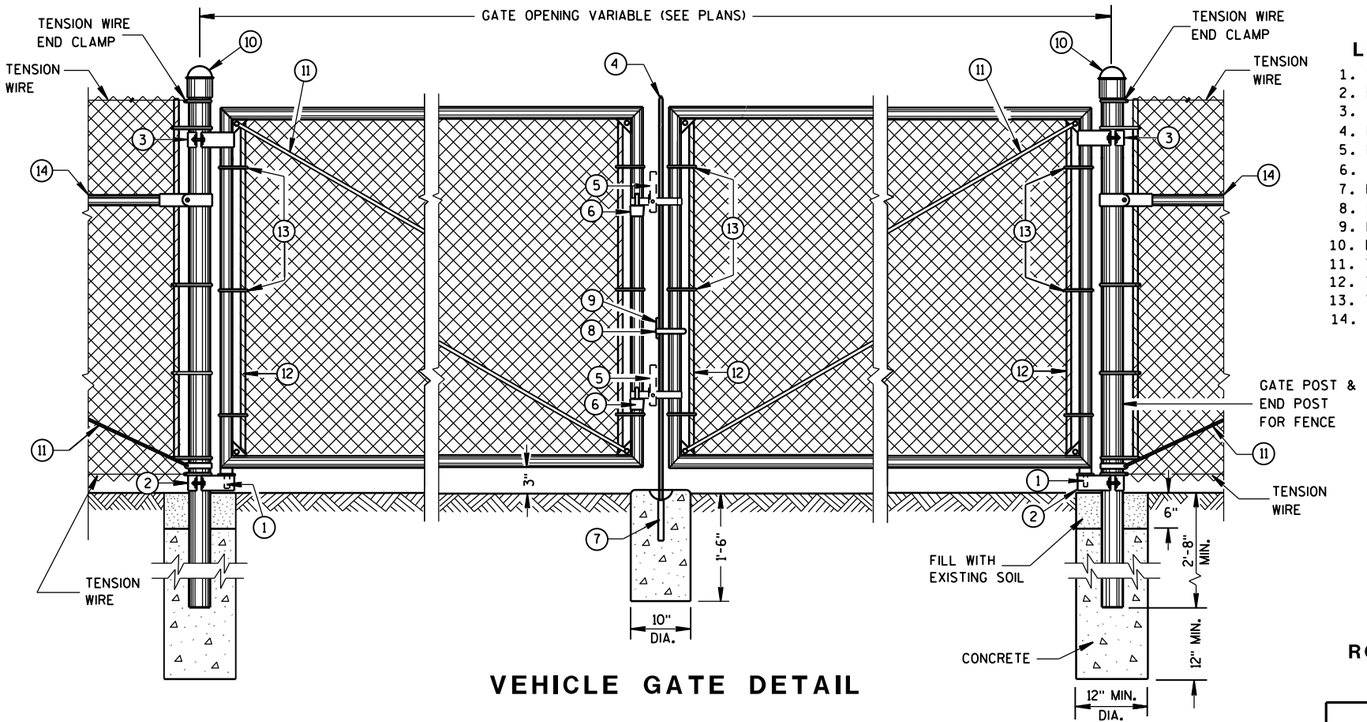
SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

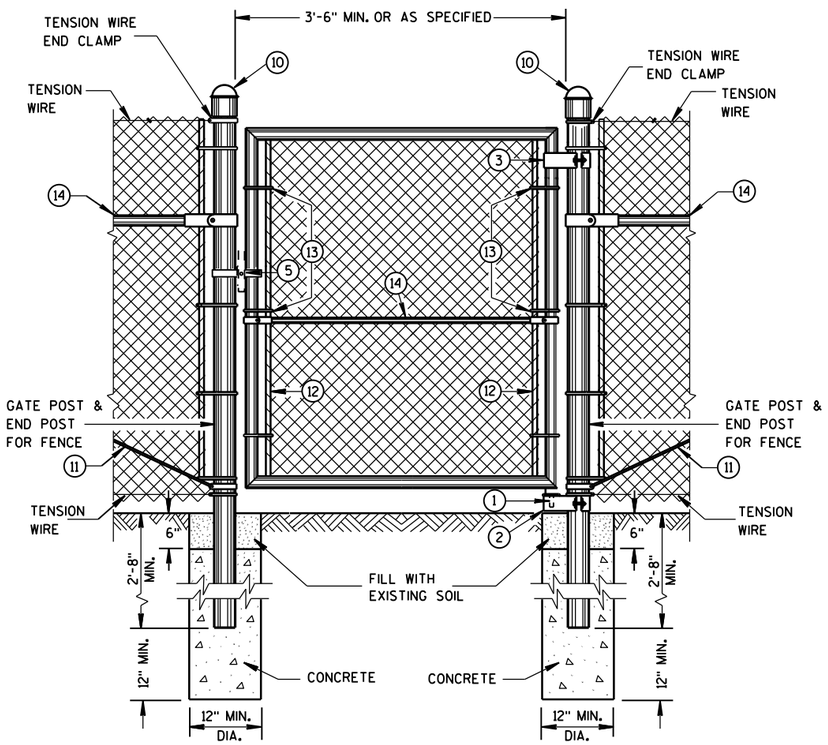
APPROVED
June 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 14B53 - 01i



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

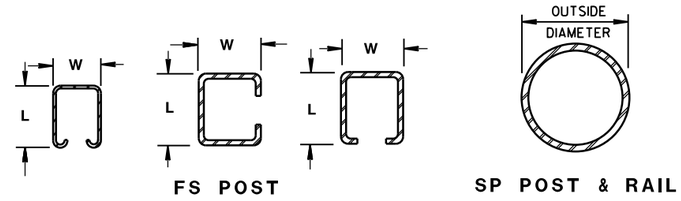
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

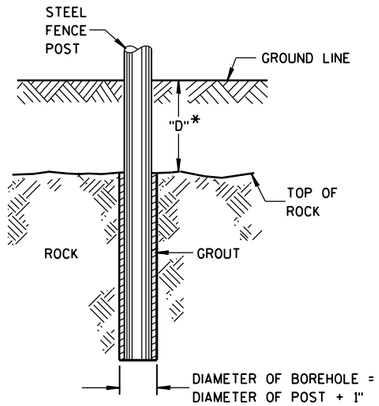
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

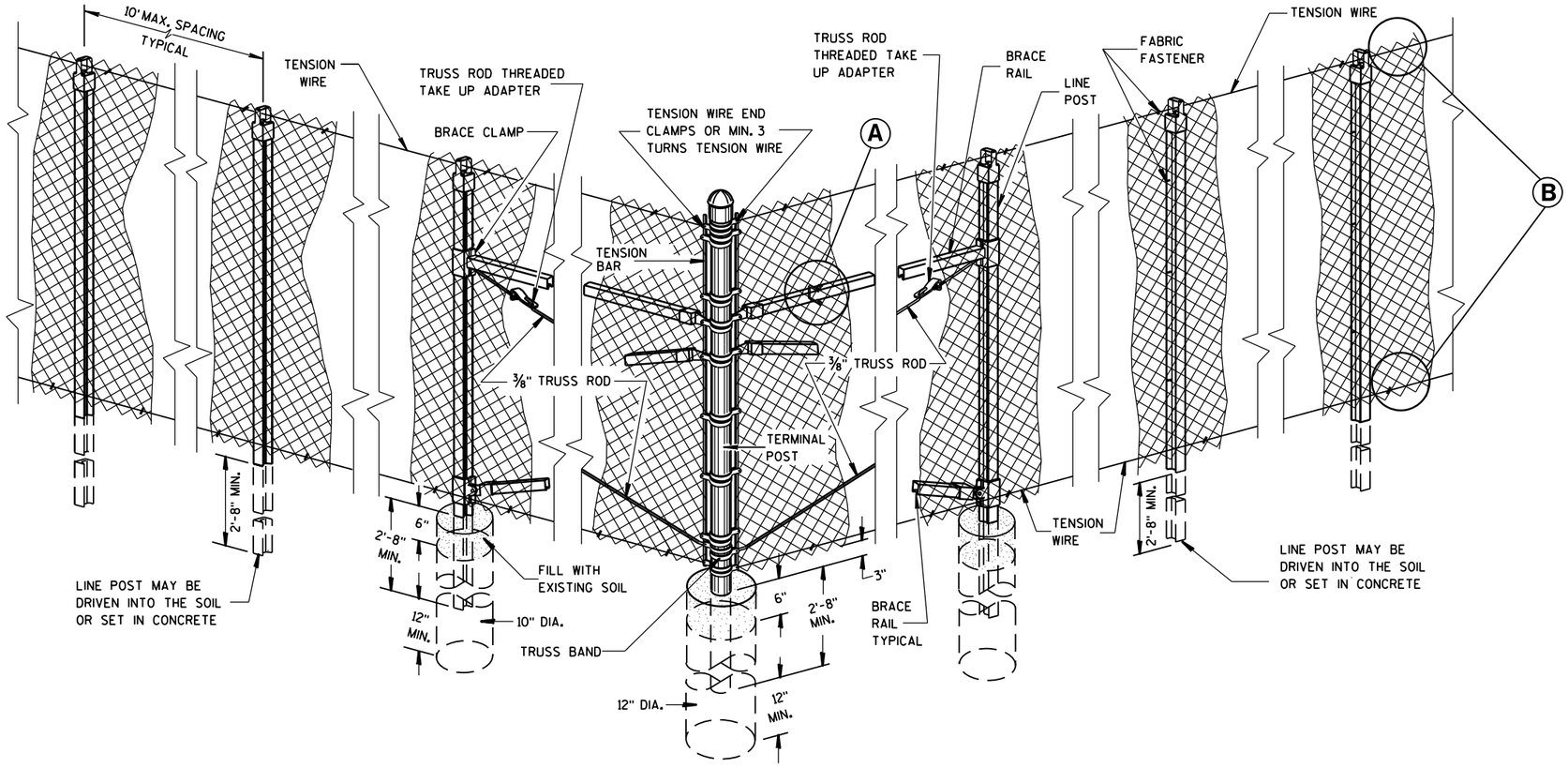
6

S.D.D. 15 B 3-15a

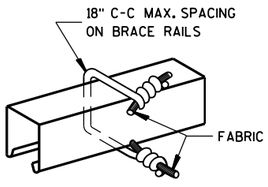


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



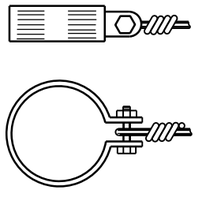
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



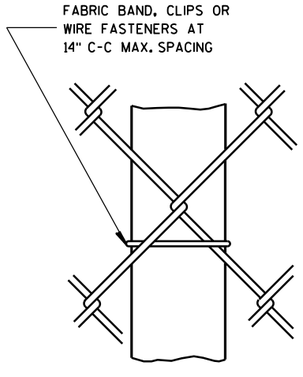
BRACE RAIL

FABRIC FASTENER

Ⓐ



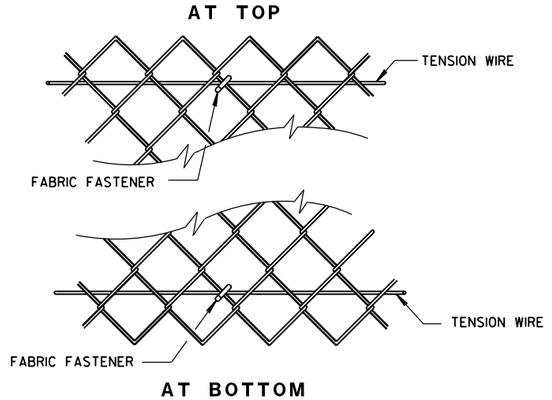
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

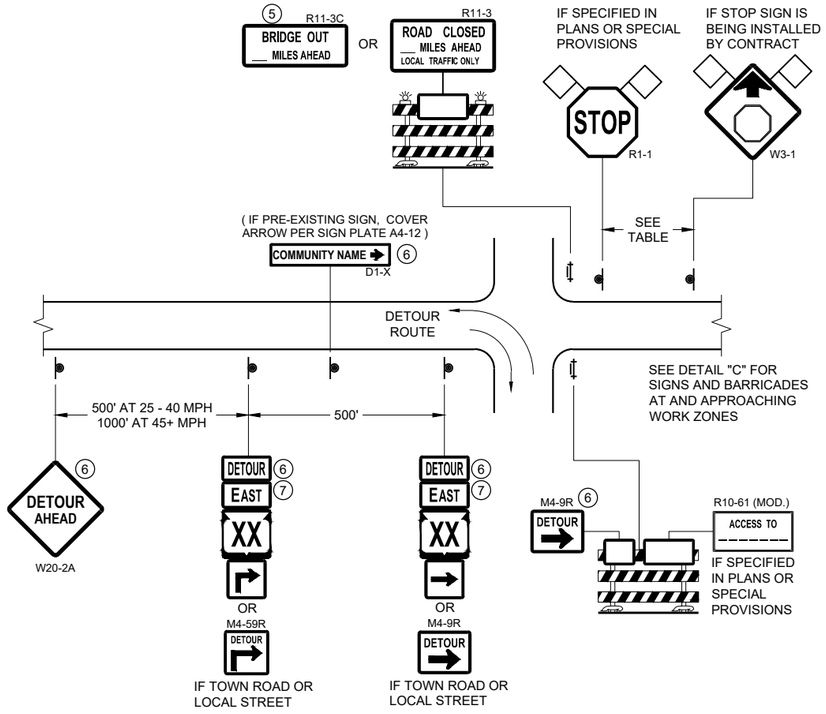
APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 15 B 3-15b

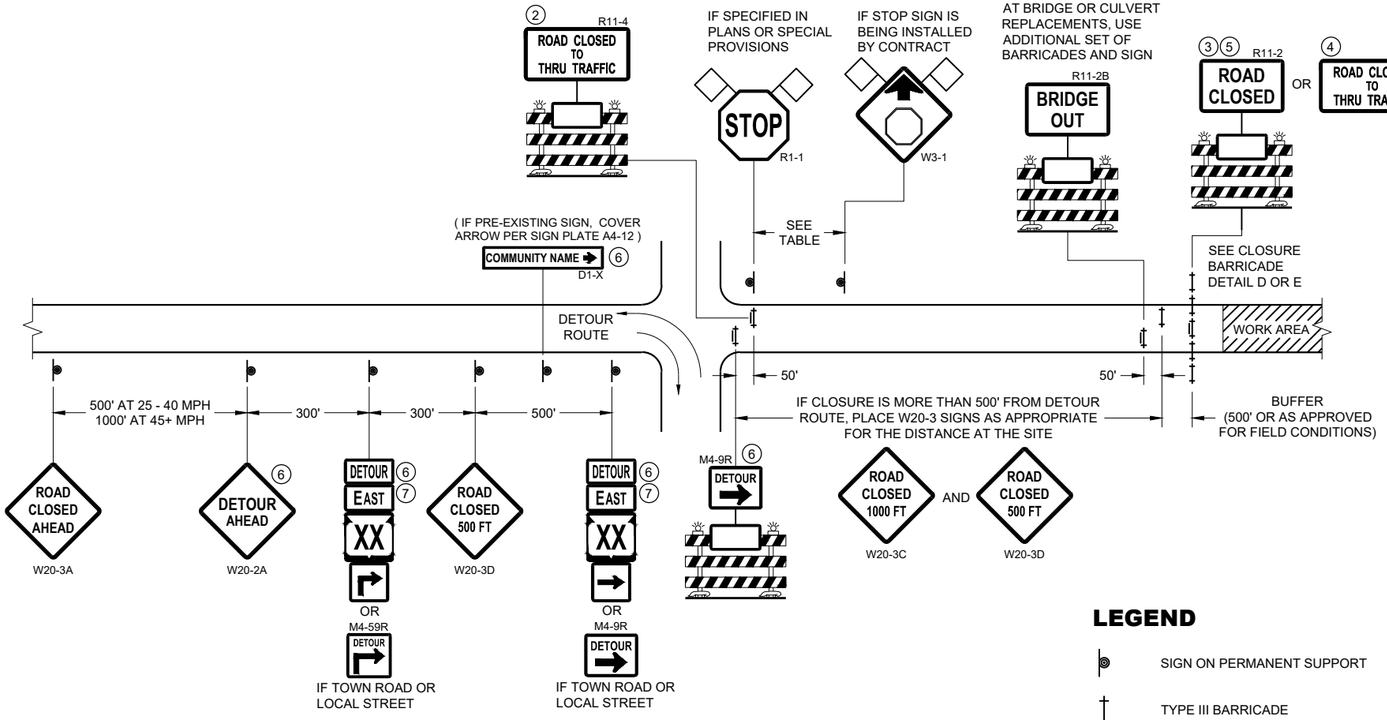
6

S.D.D. 15 B 3-15b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



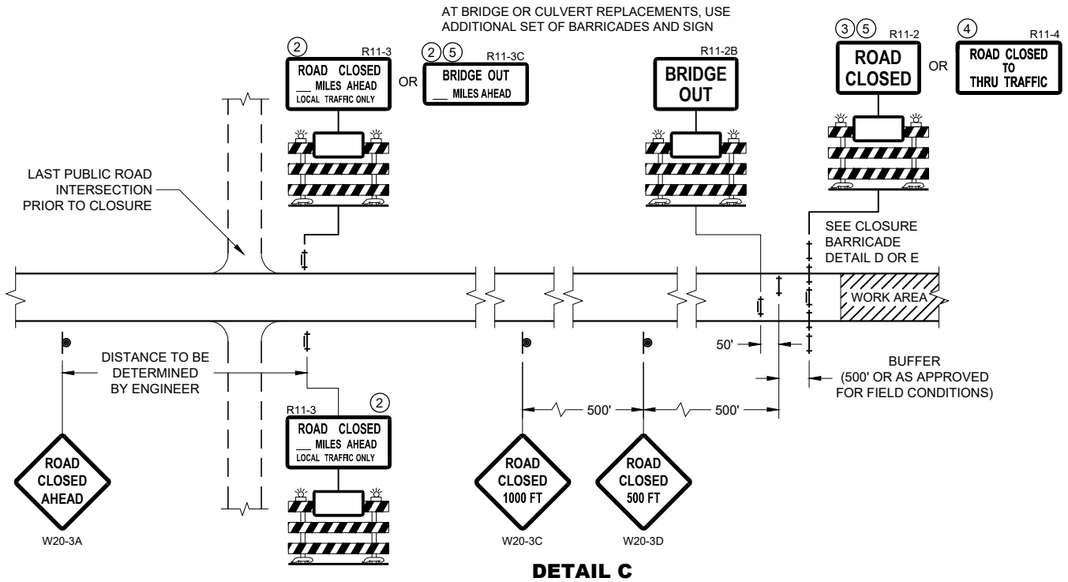
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

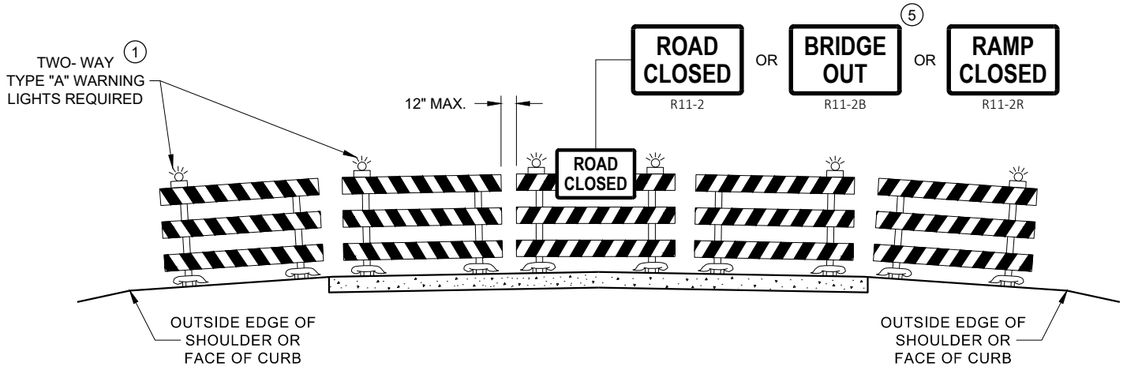
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

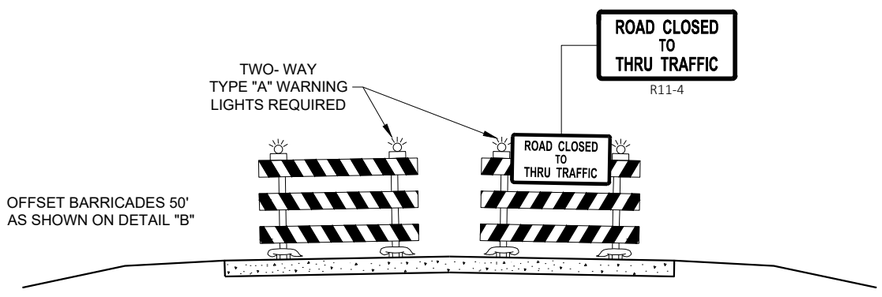
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

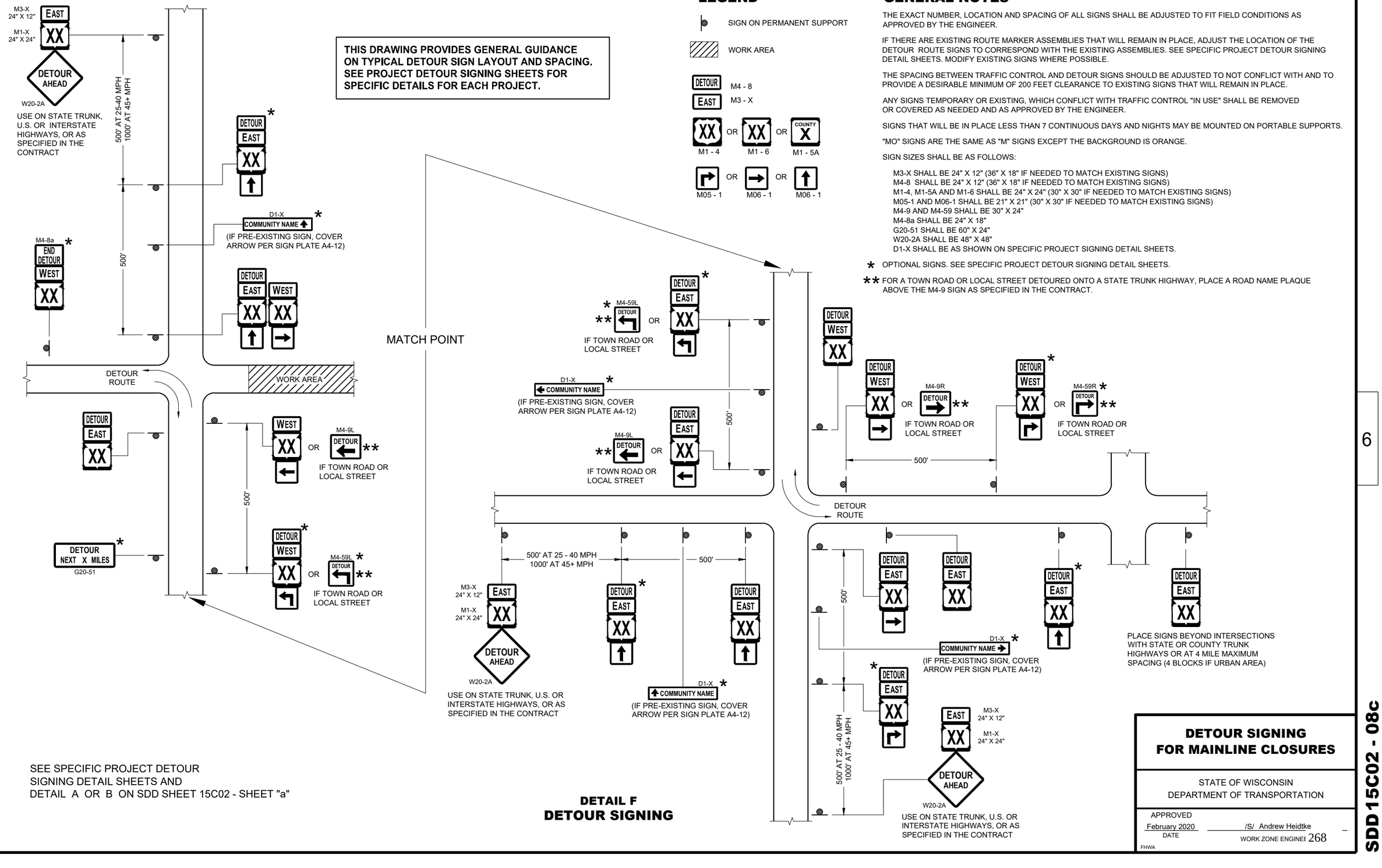
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

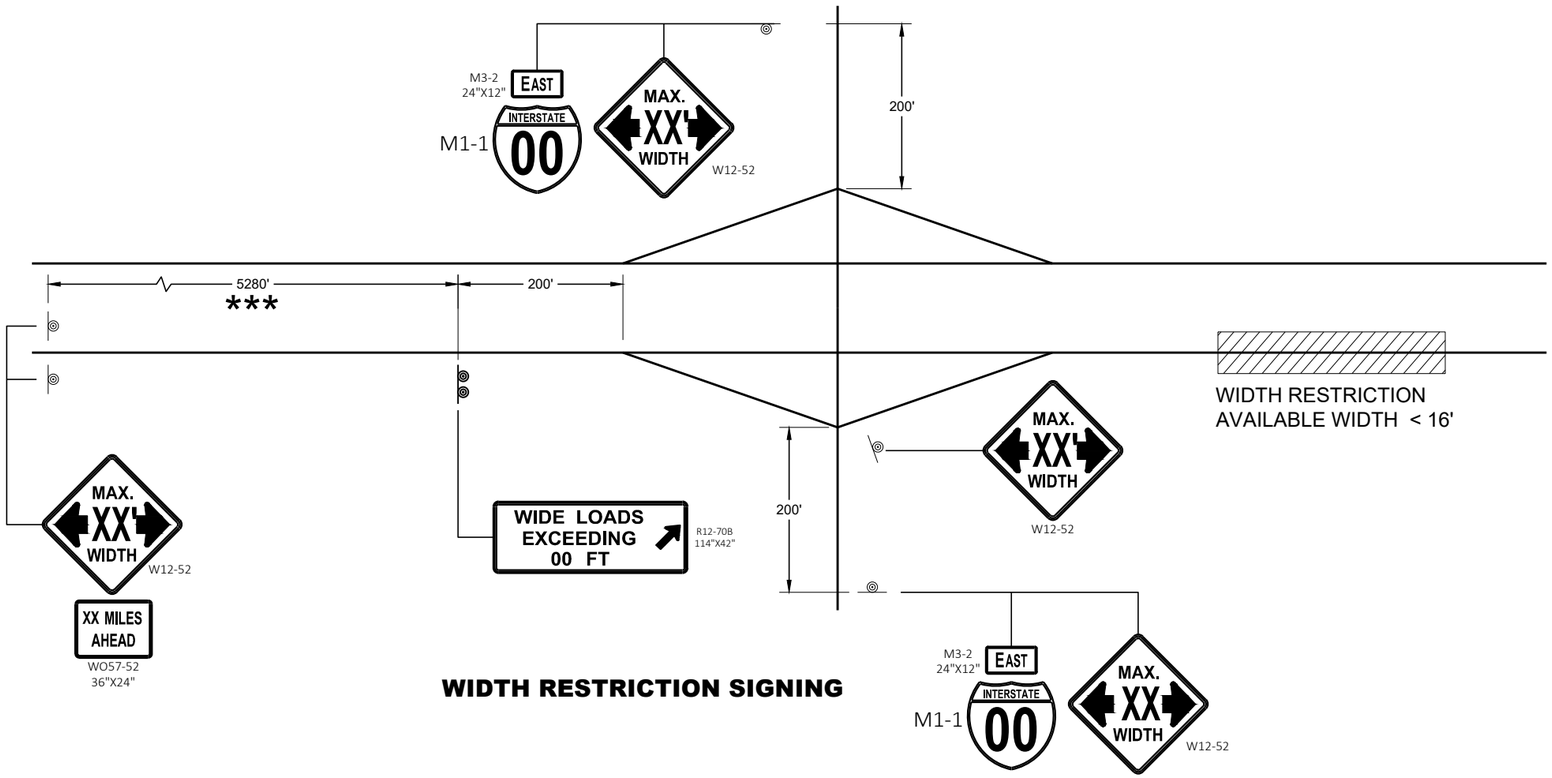
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C02 - 08c



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

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

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

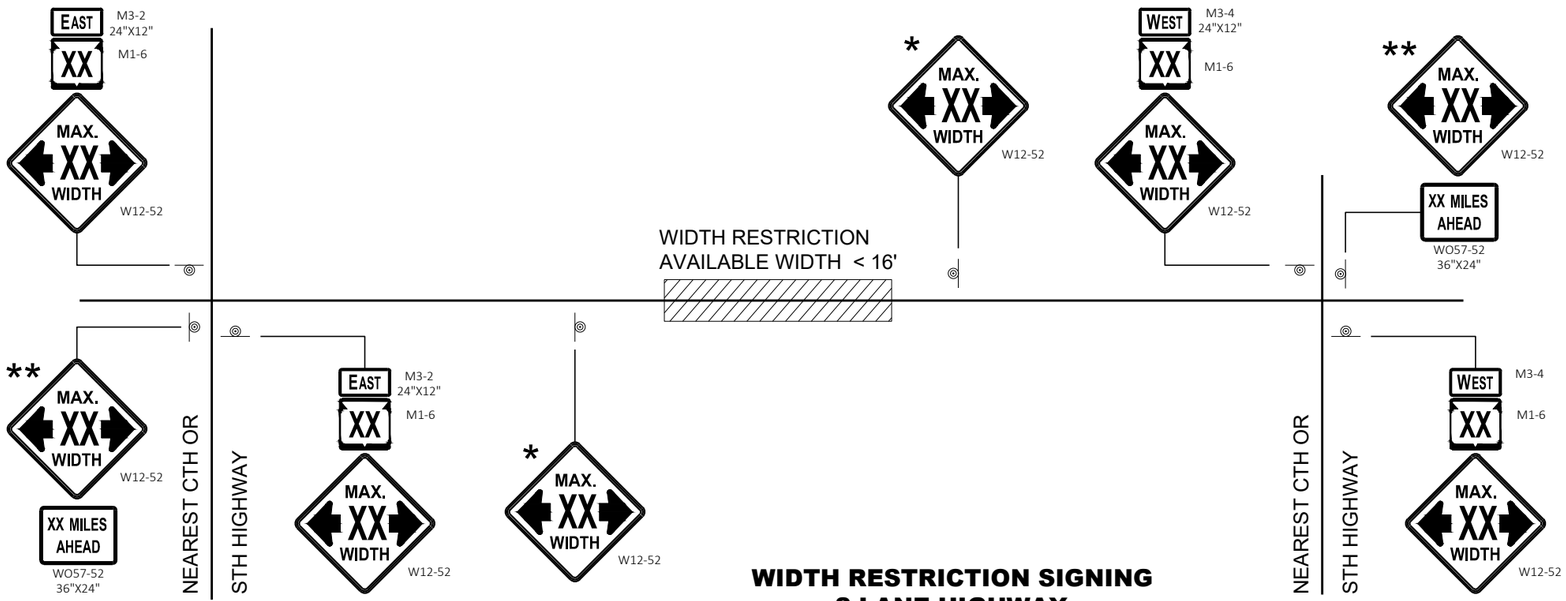
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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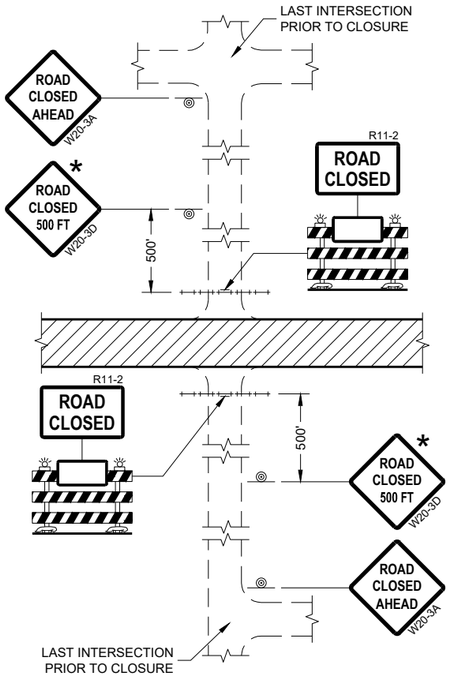
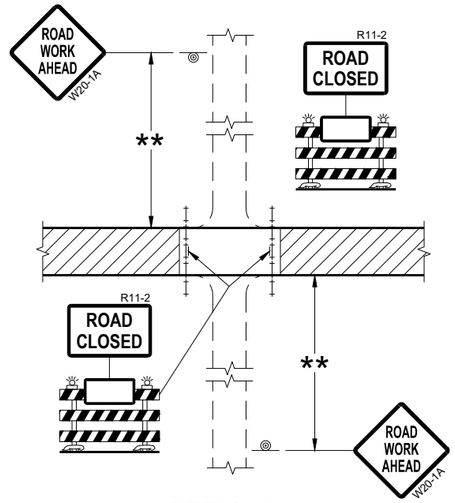
SDD 15C02 - 08f

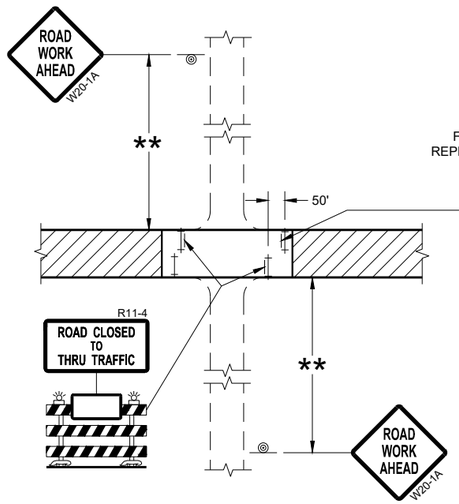
SDD 15C02 - 08f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

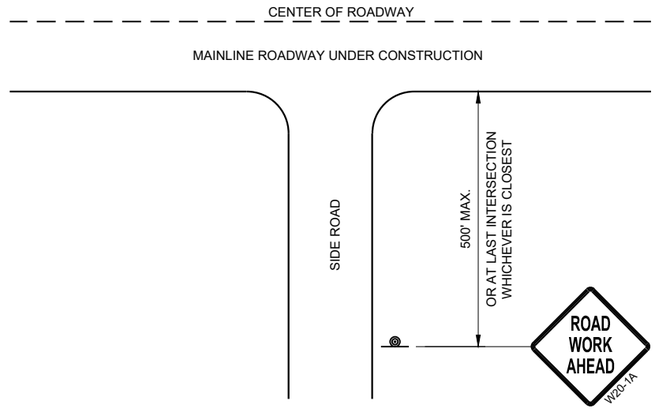
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



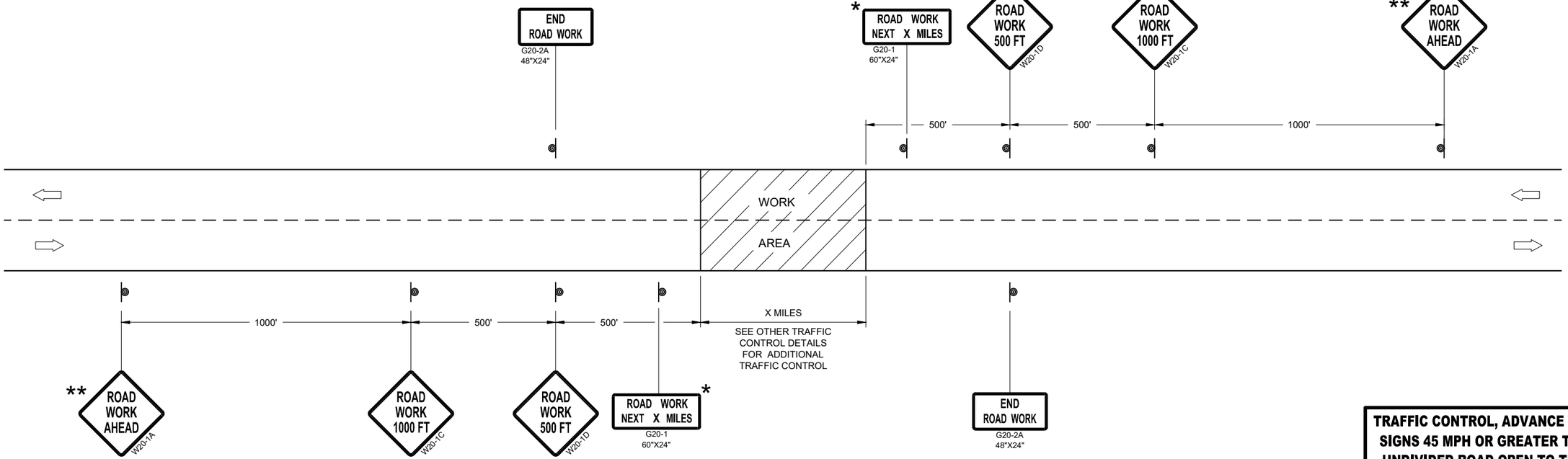
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

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

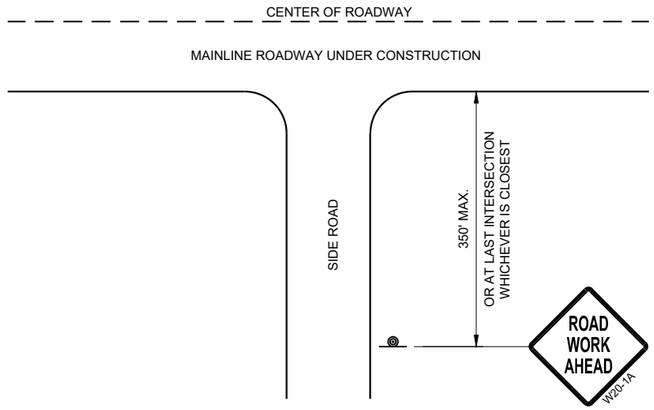
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



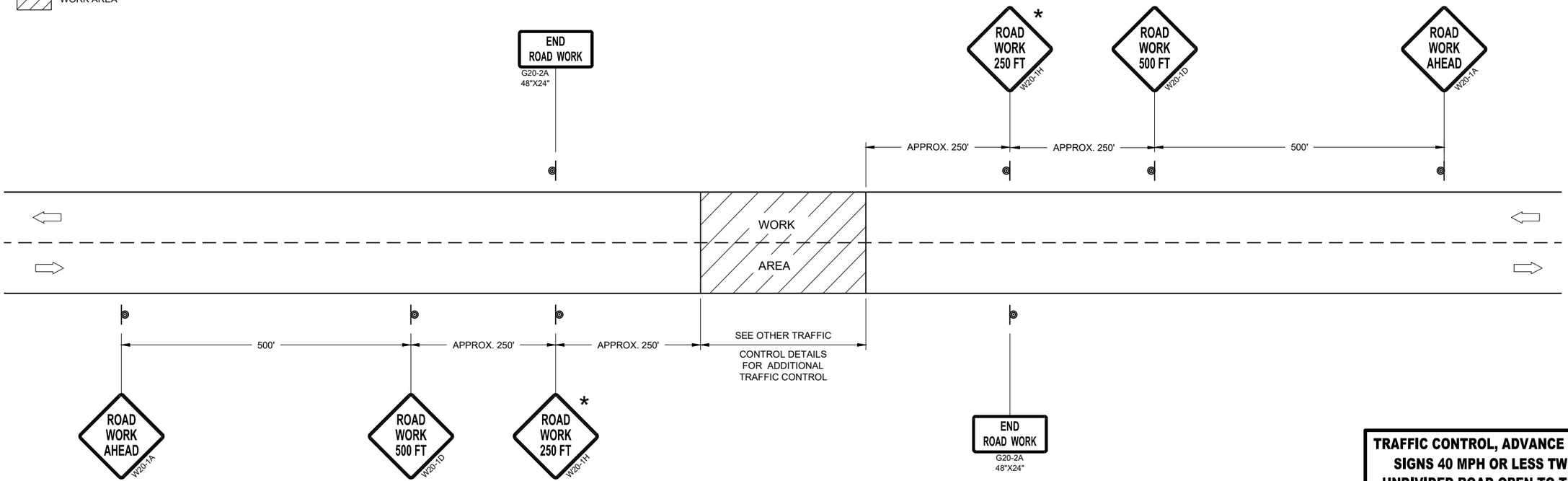
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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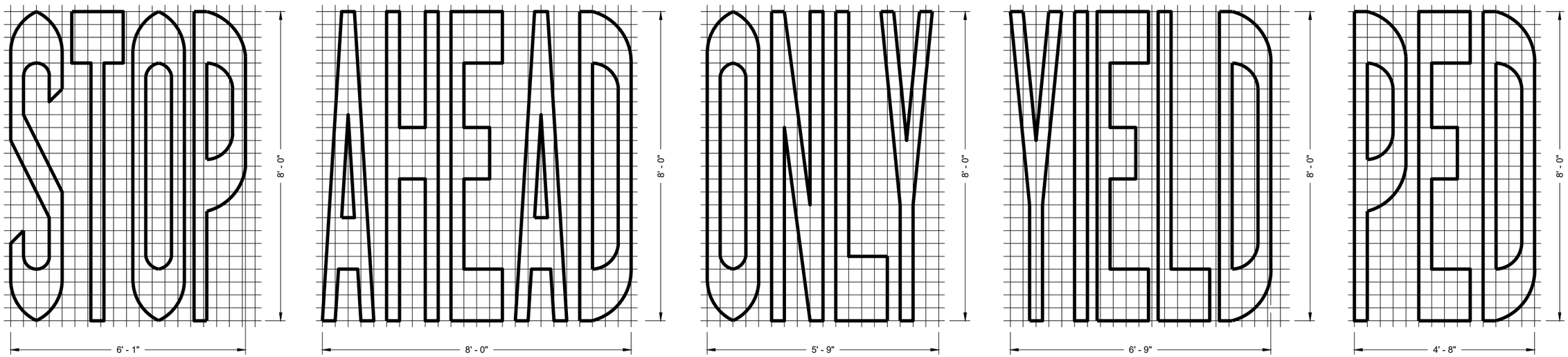
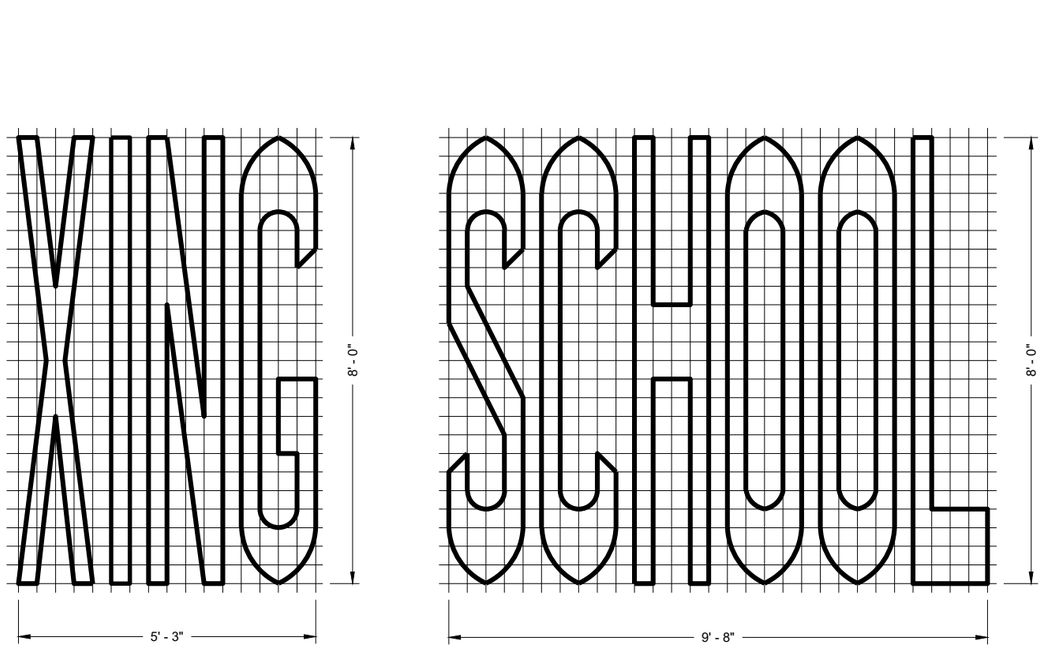
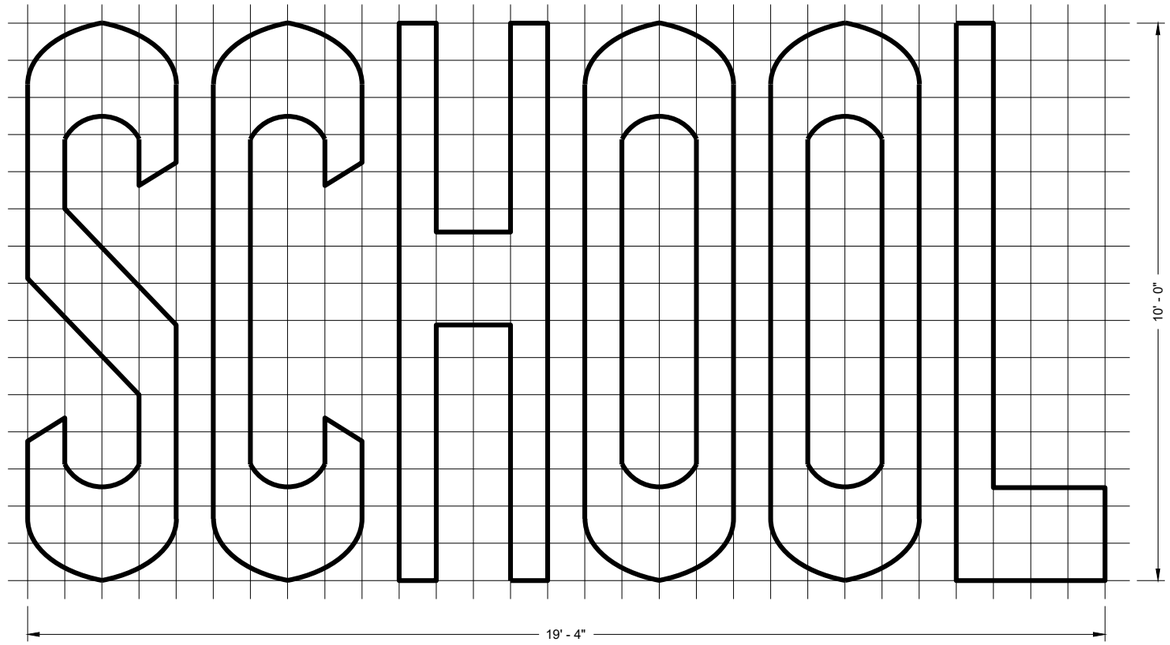
SDD 15C05 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

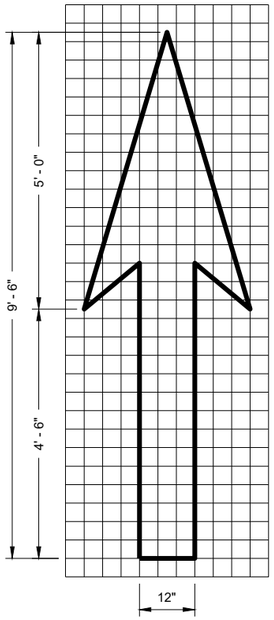
6

SDD 15C07 - 15b

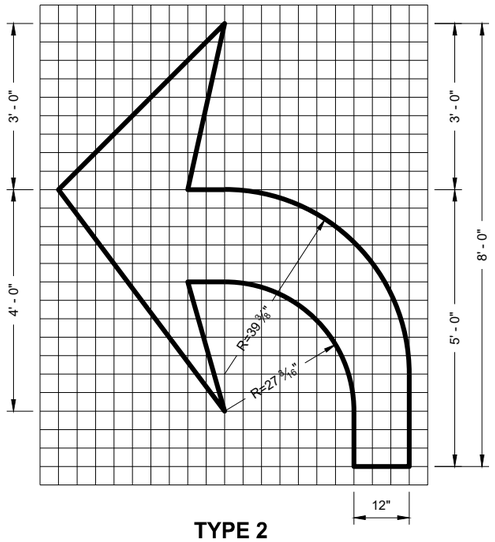
SDD 15C07 - 15b

GENERAL NOTES

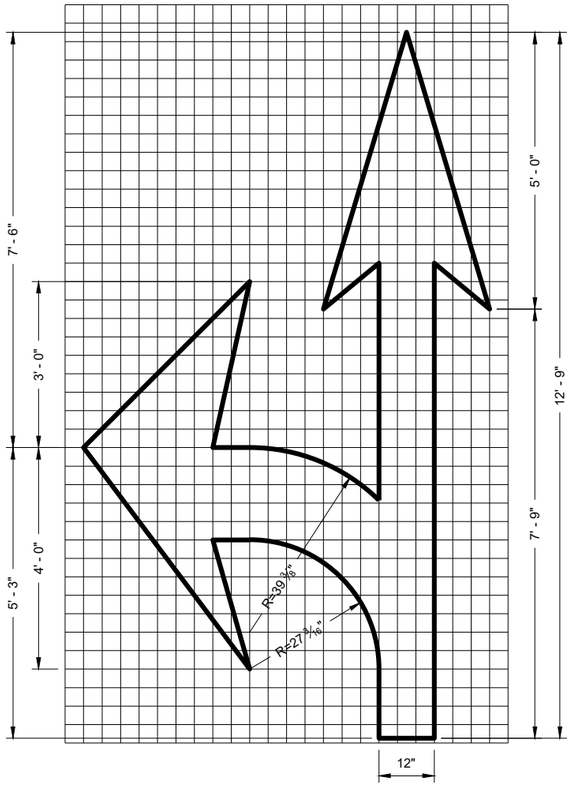
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 1



TYPE 2



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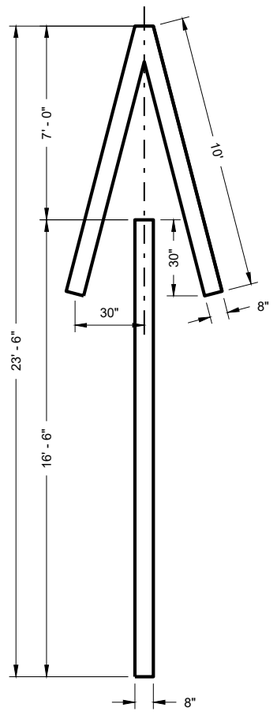
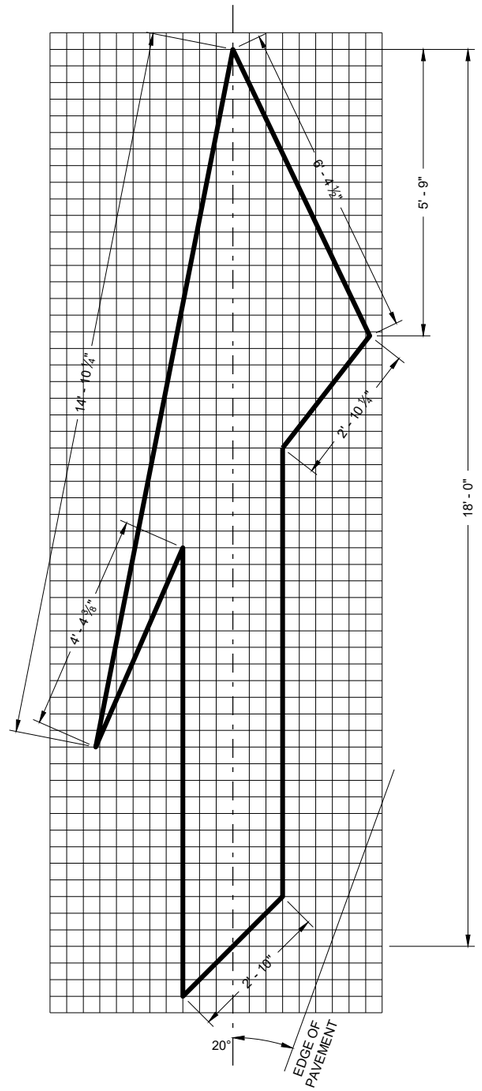
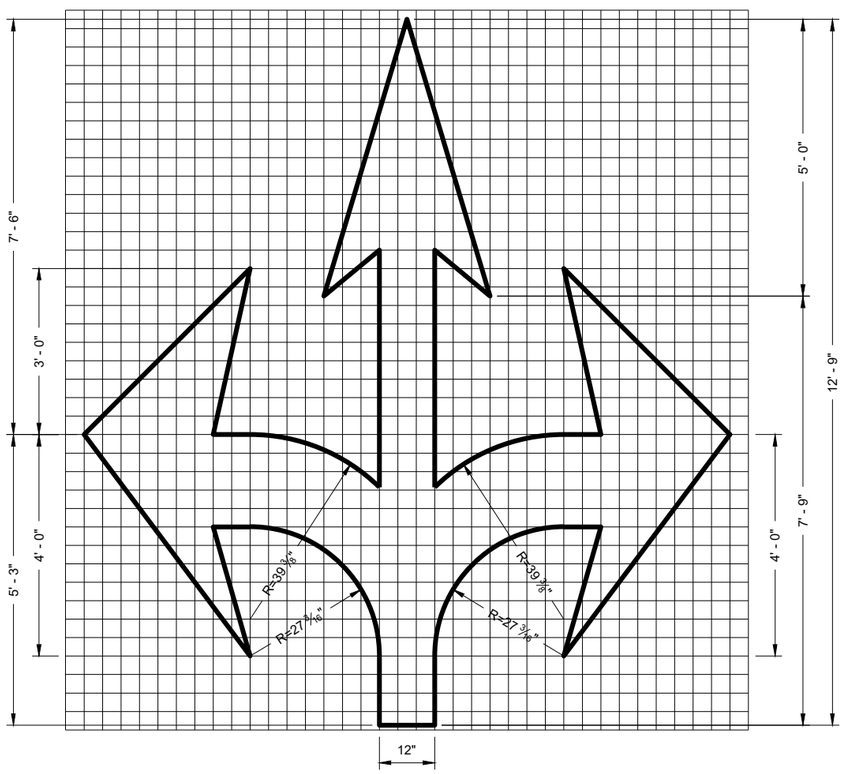


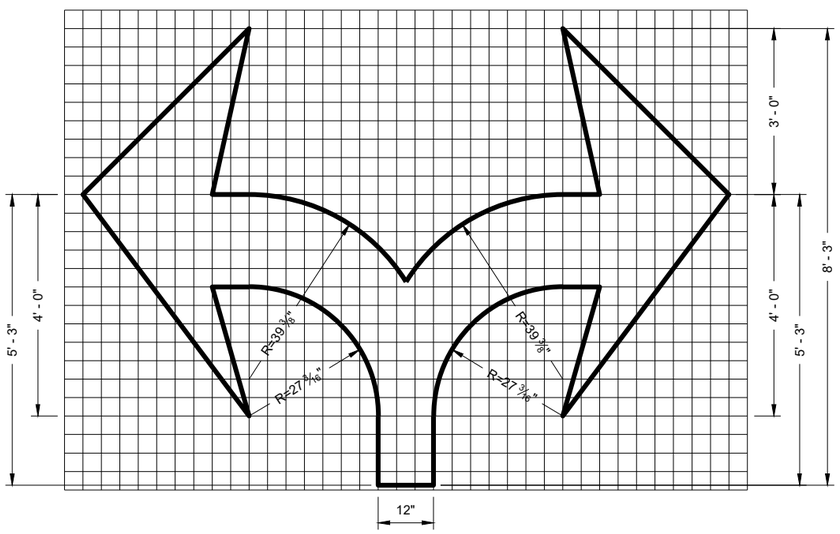
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

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6

SDD 15C07 - 15c

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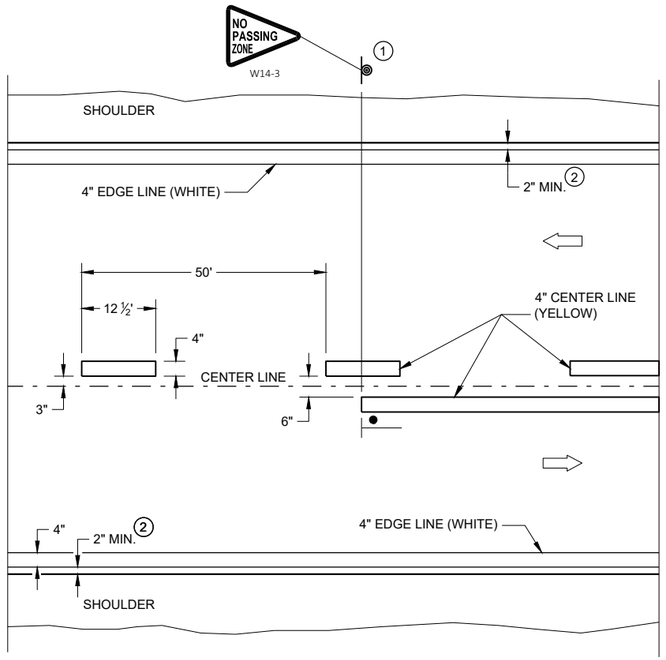
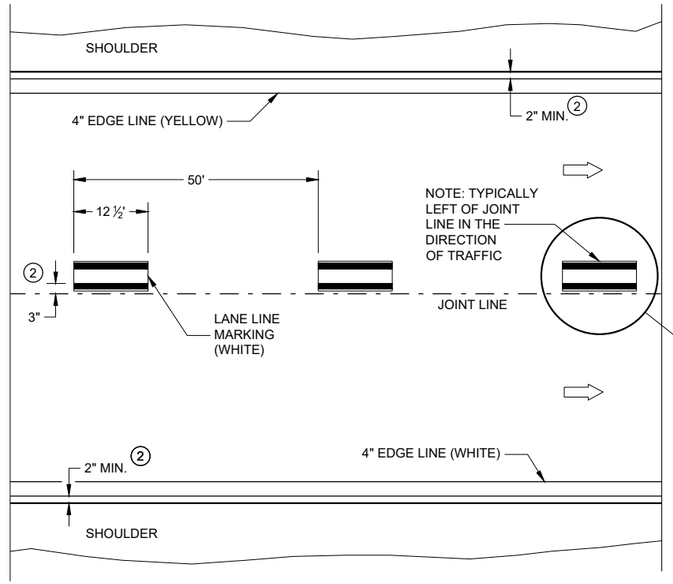
SDD 15C07 - 15c

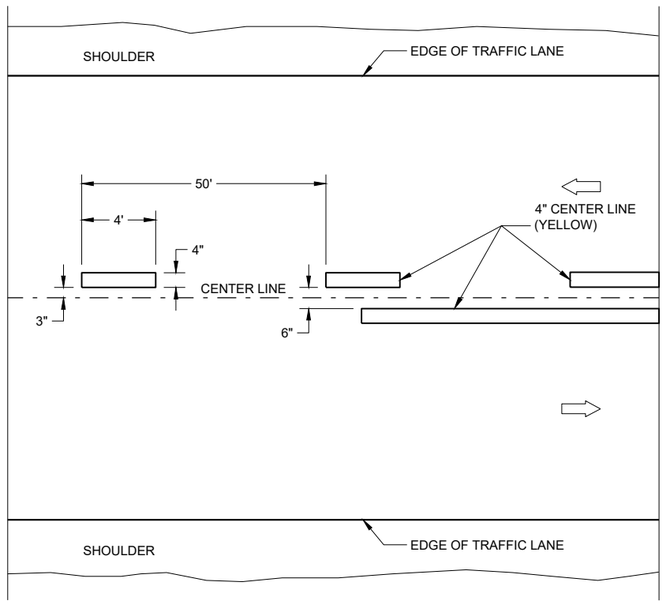


TWO WAY TRAFFIC

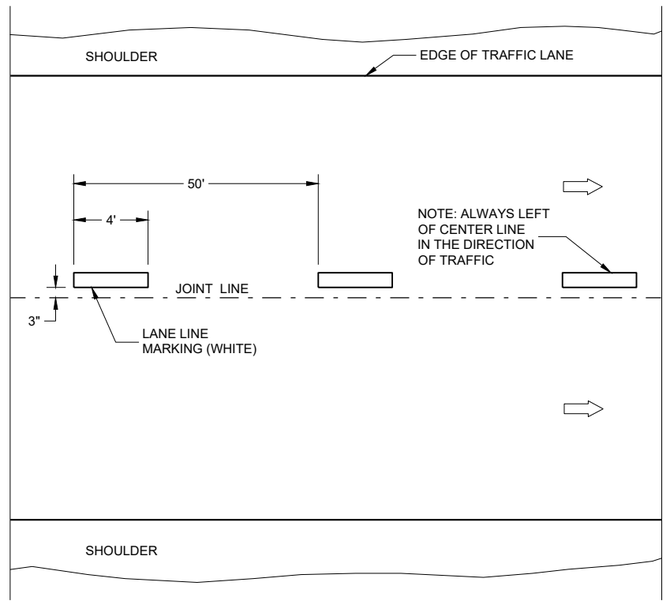


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

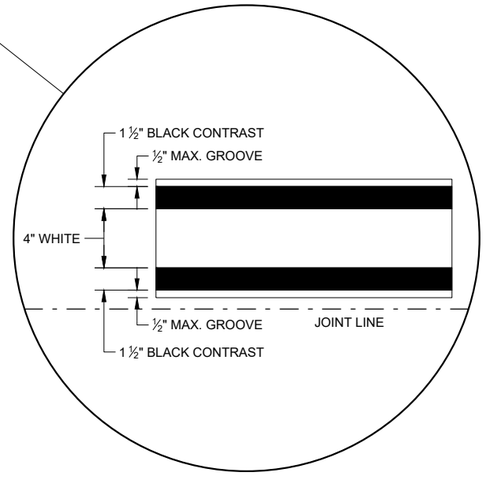
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

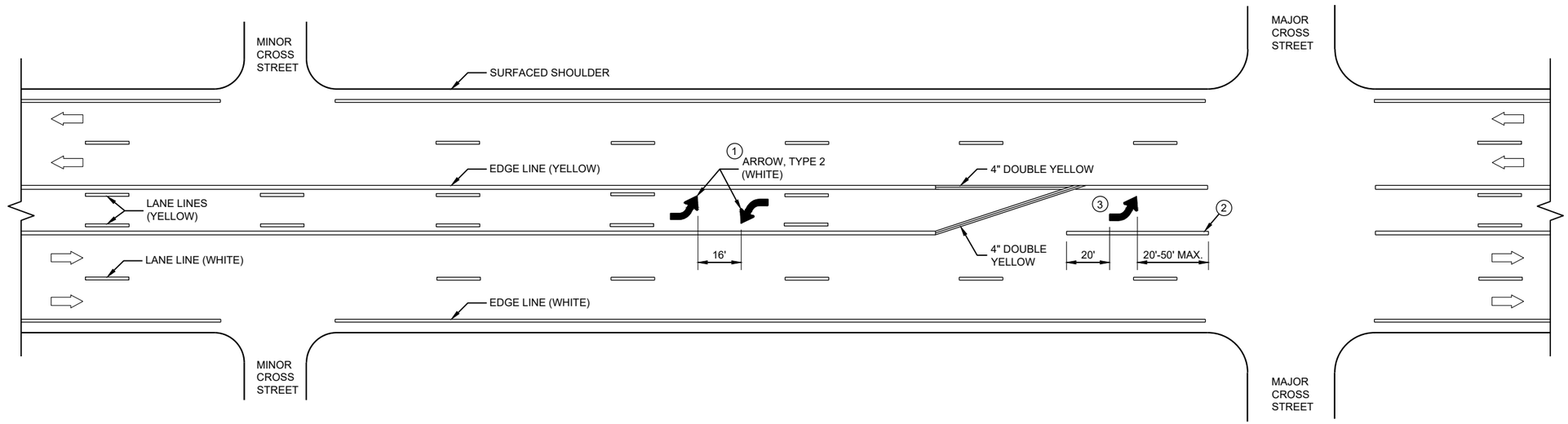
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

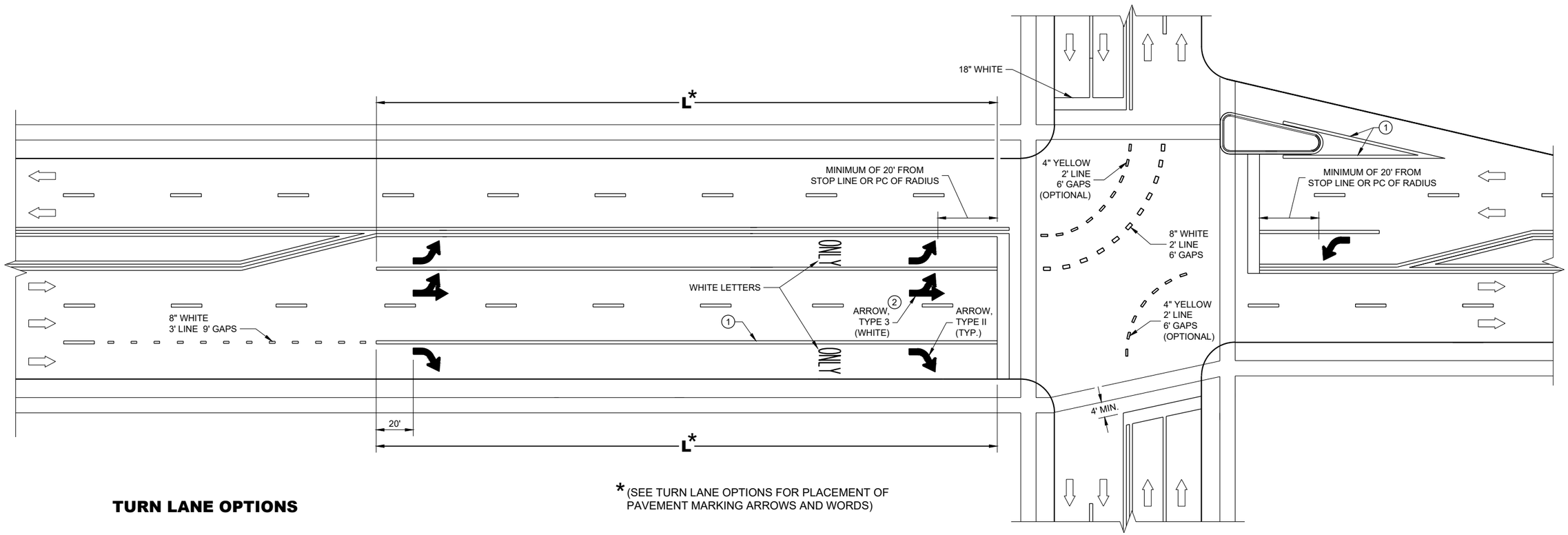
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

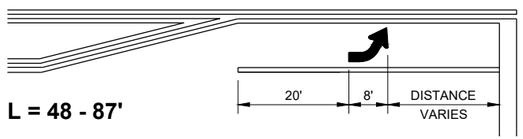
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



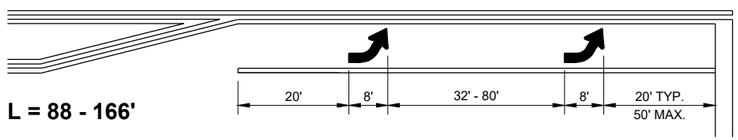
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

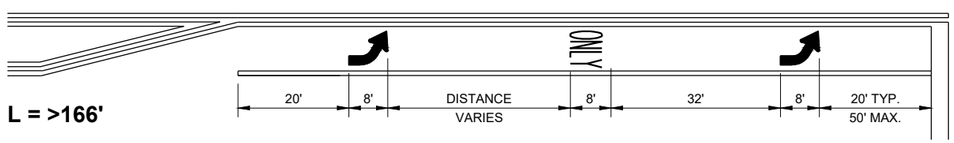
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

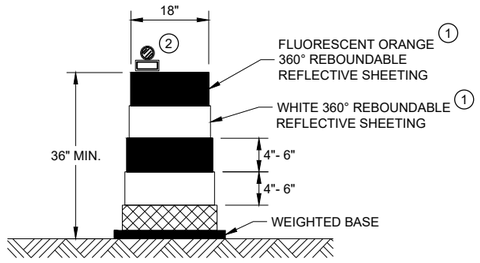
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

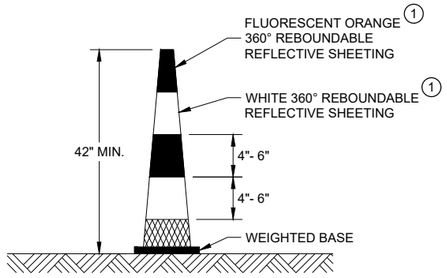
SDD 15C08 - 20c

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

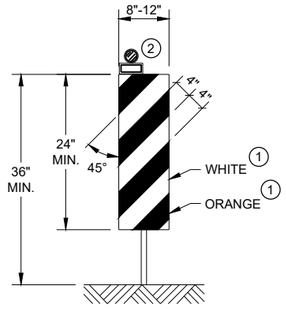


DRUM



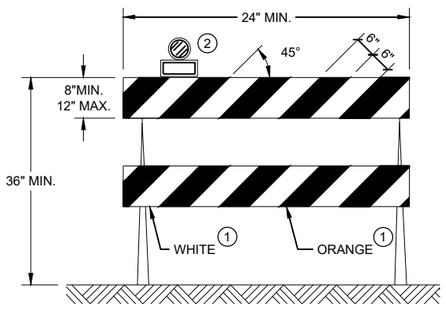
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



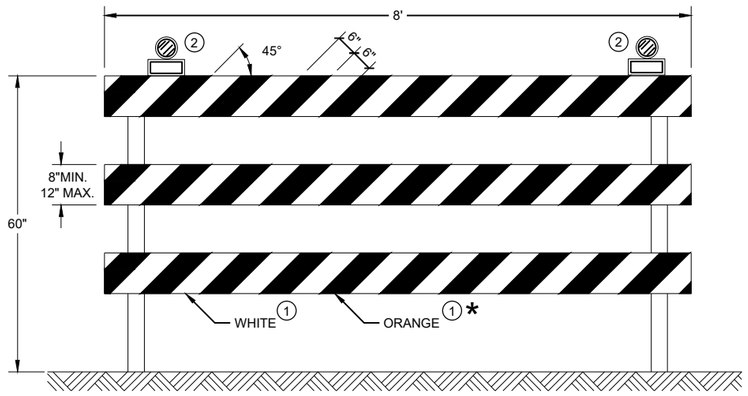
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD 15C11 - 07b

6

SDD 15C11 - 07b

LEGEND

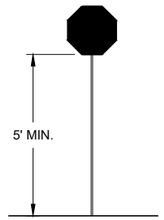
SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



STOP/SLOW PADDLE ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

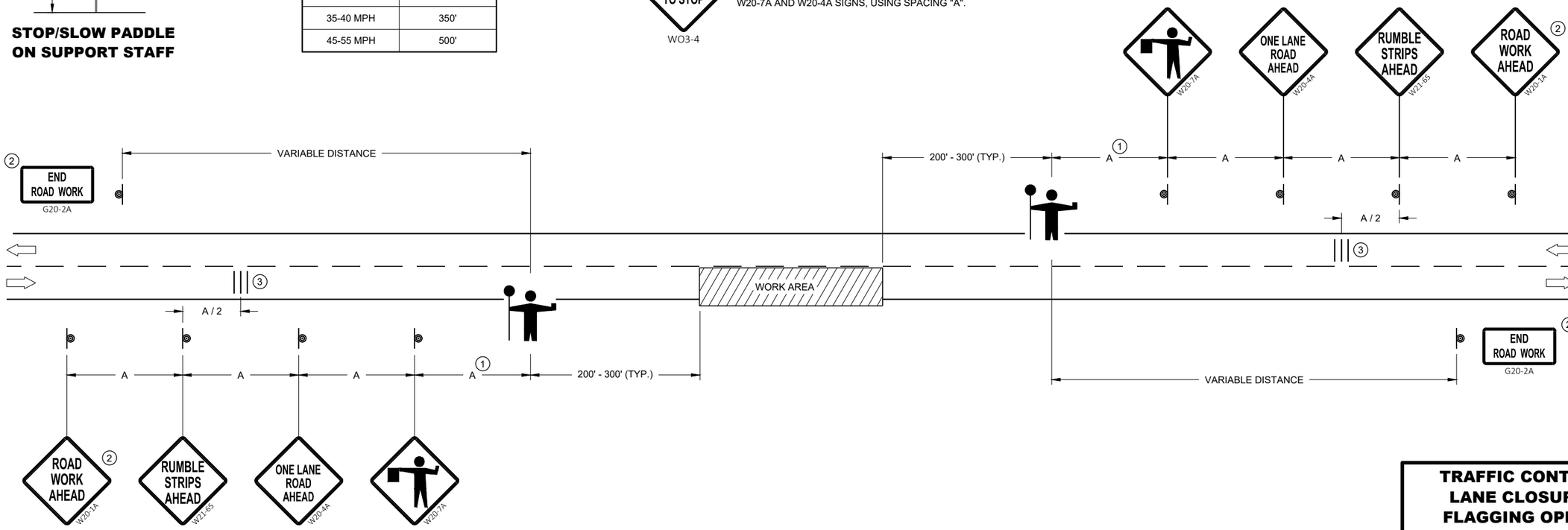
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C12 - 07

SDD 15C12 - 07

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

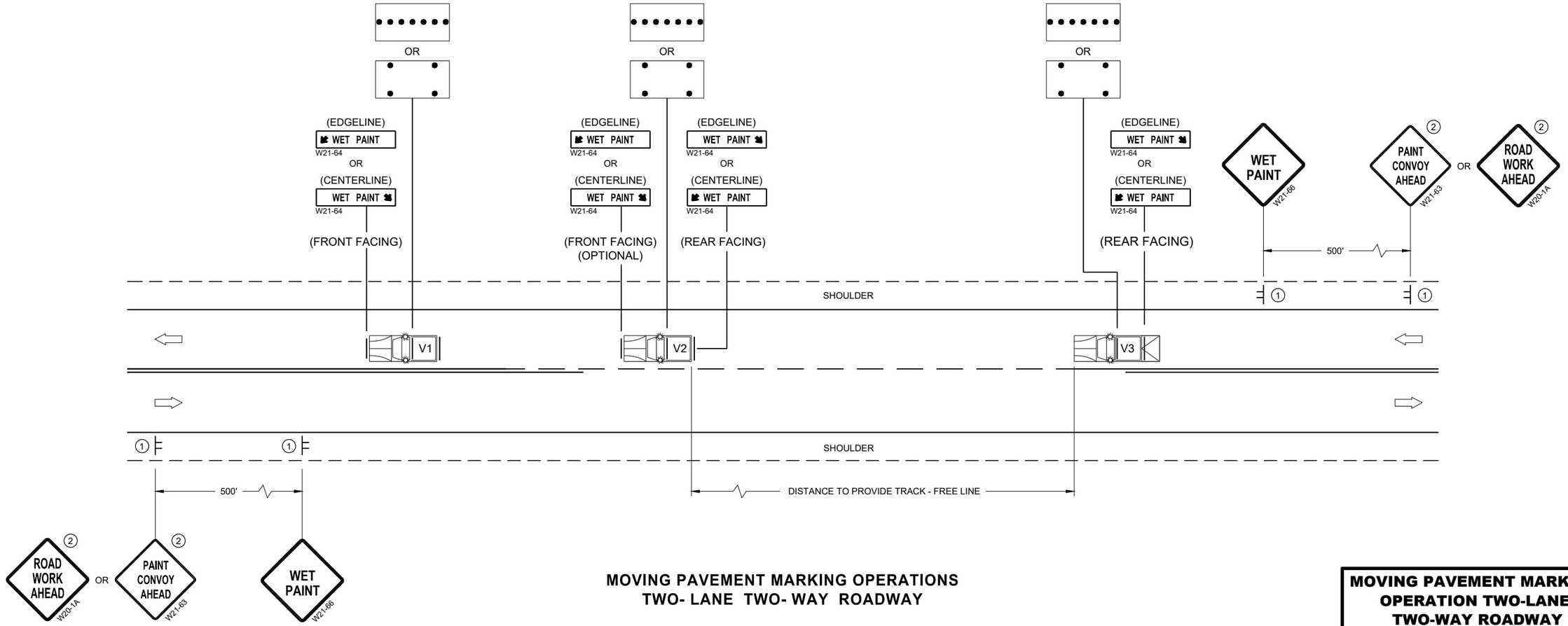
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 18" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

280

FHWA

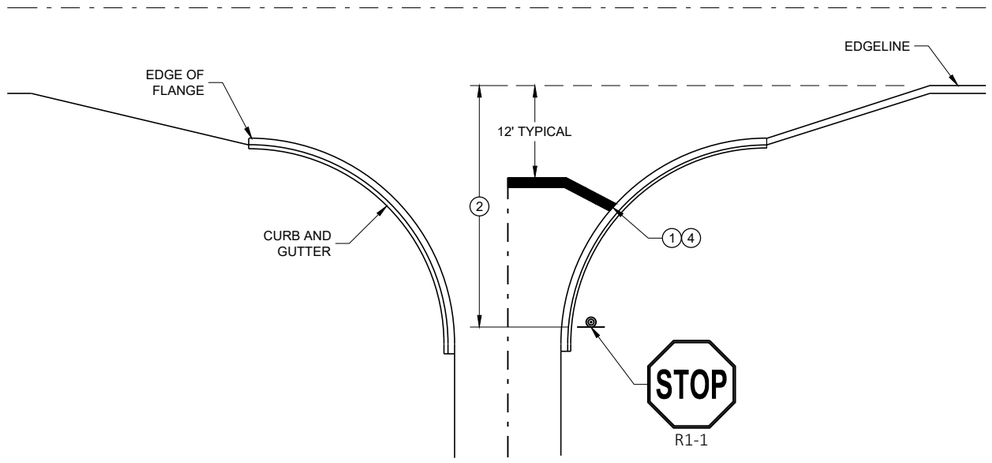
6

SDD 15C19 - 06a

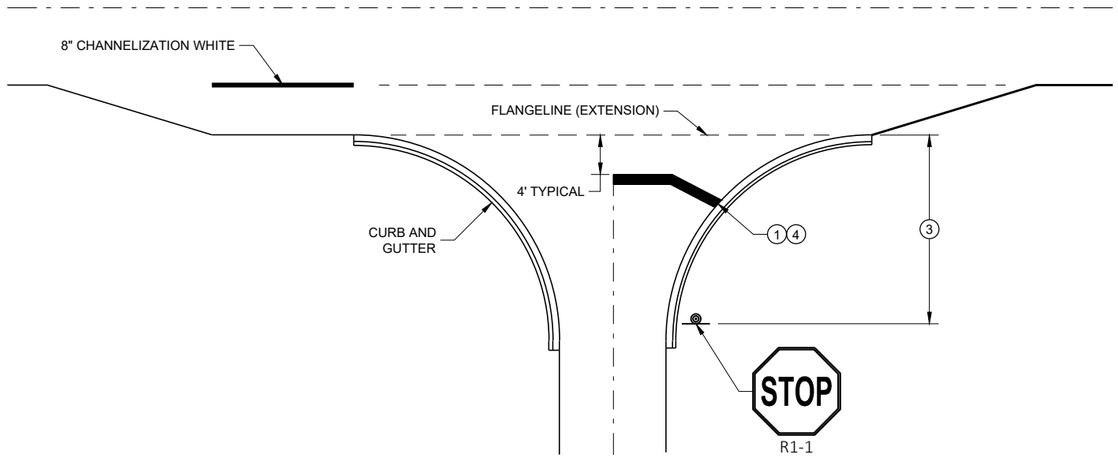
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

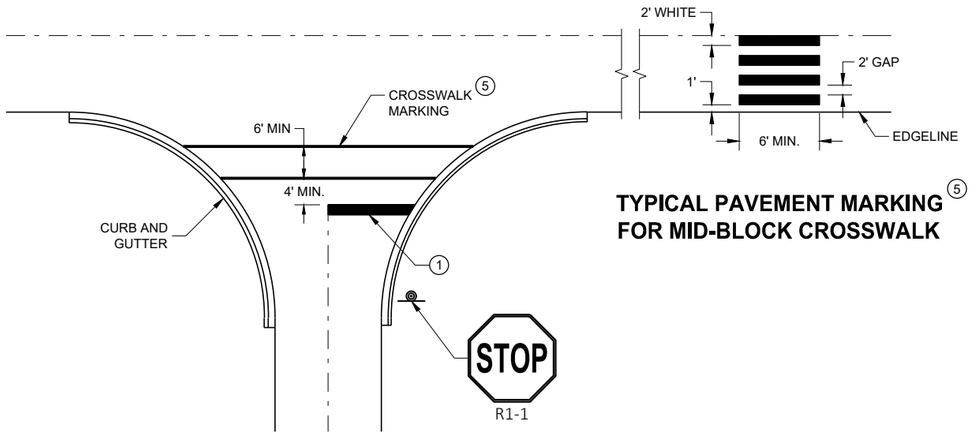
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

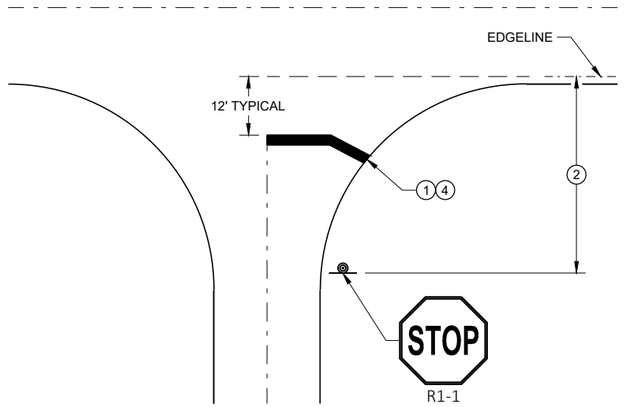


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C33 - 04

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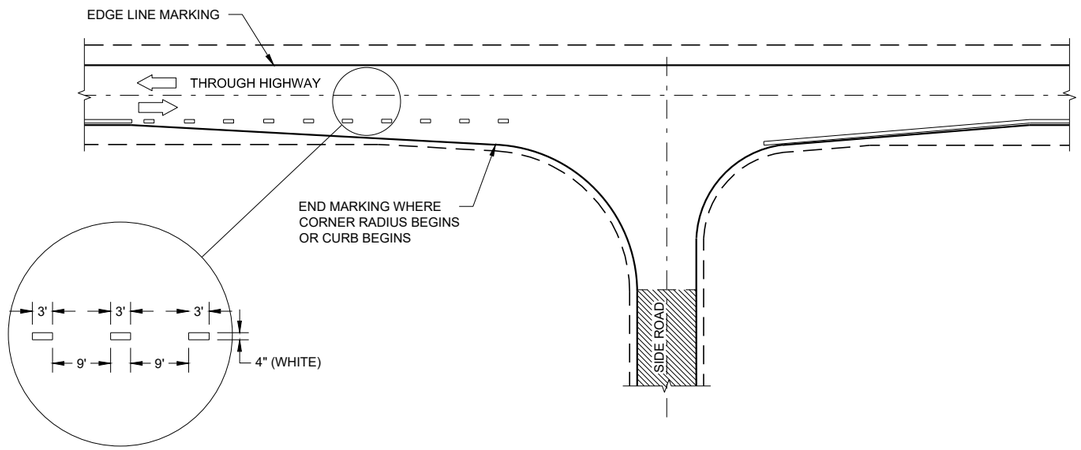
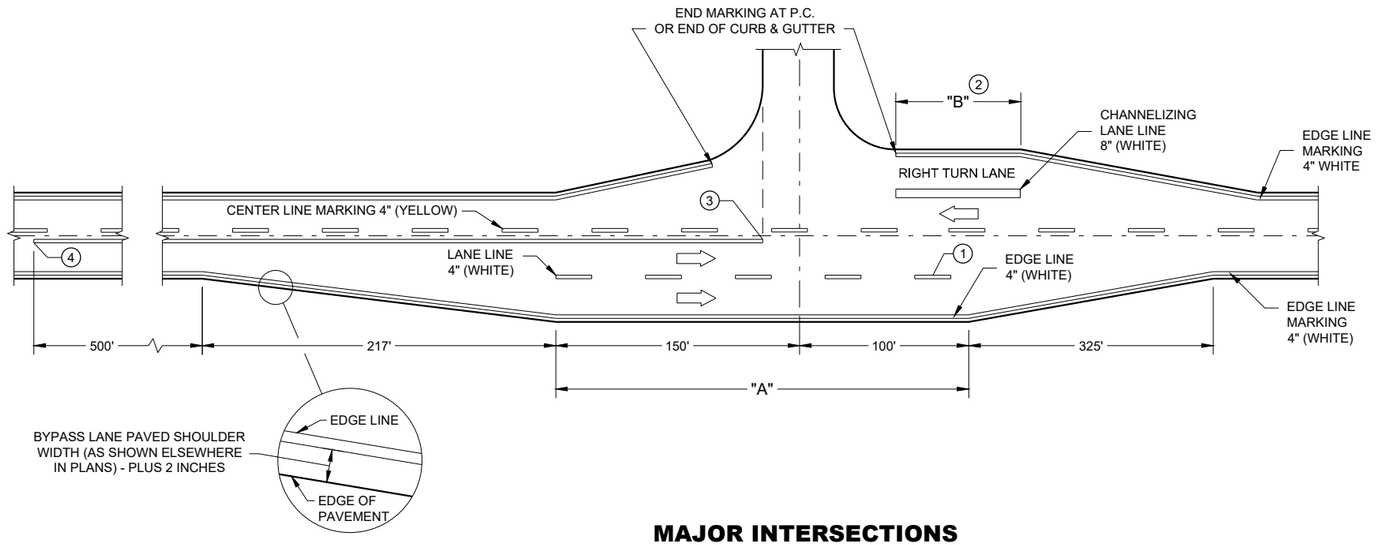
SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

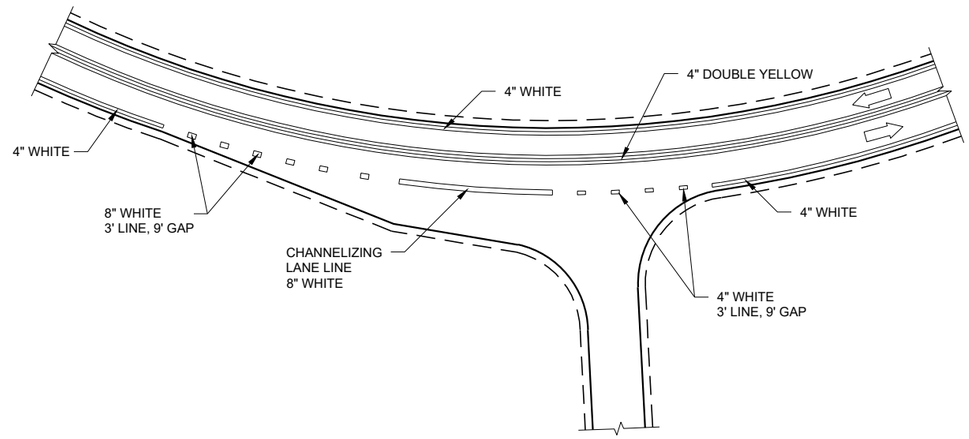
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15C35 - 04a

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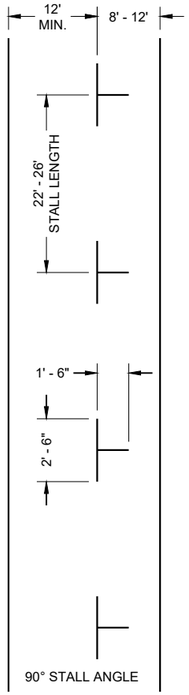
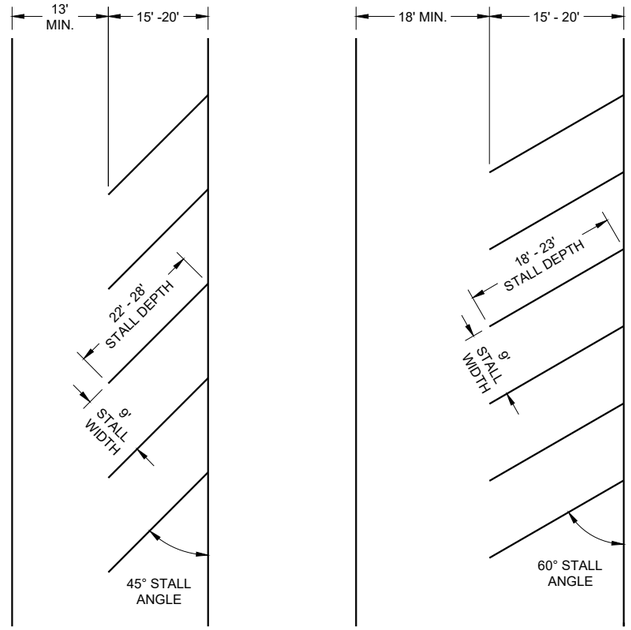
SDD 15C35 - 04a

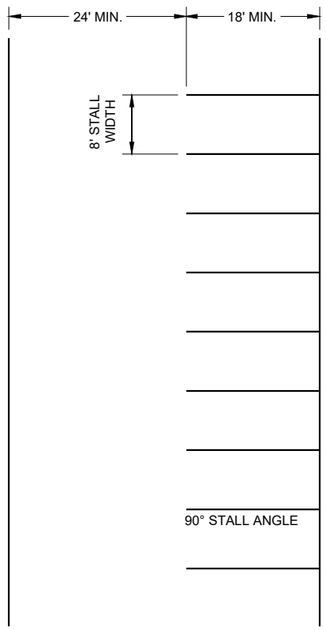


PARALLEL PARKING



ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

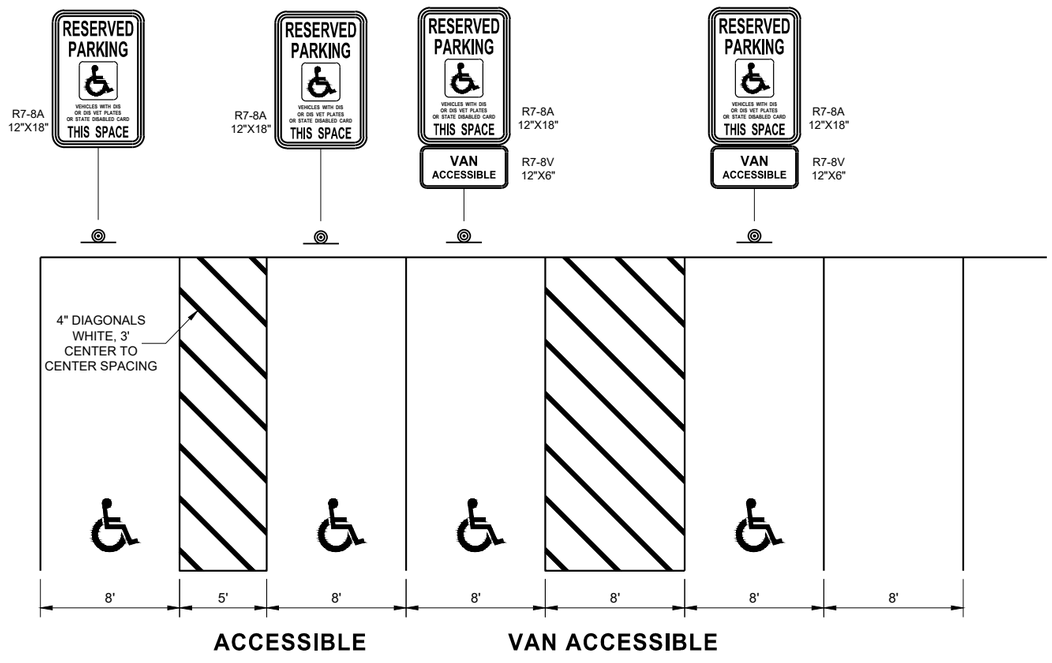
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



ACCESSIBLE

VAN ACCESSIBLE

PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAR ENGINEER

FHWA

SDD 15C36 - 01

SDD 15C36 - 01

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LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

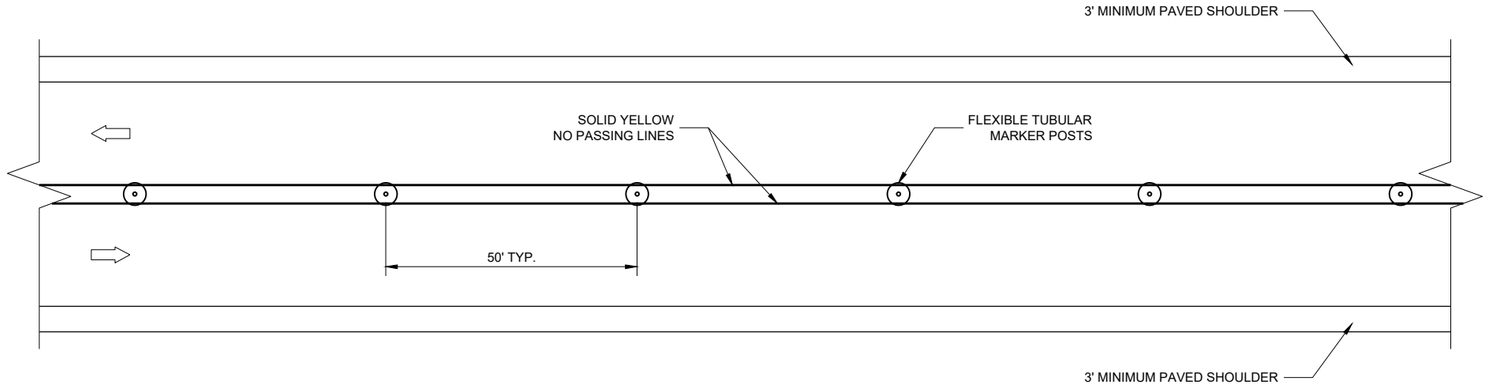
COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.

(1)

(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER

FHWA

6

SDD 15D06 - 04

6

SDD 15D06 - 04

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

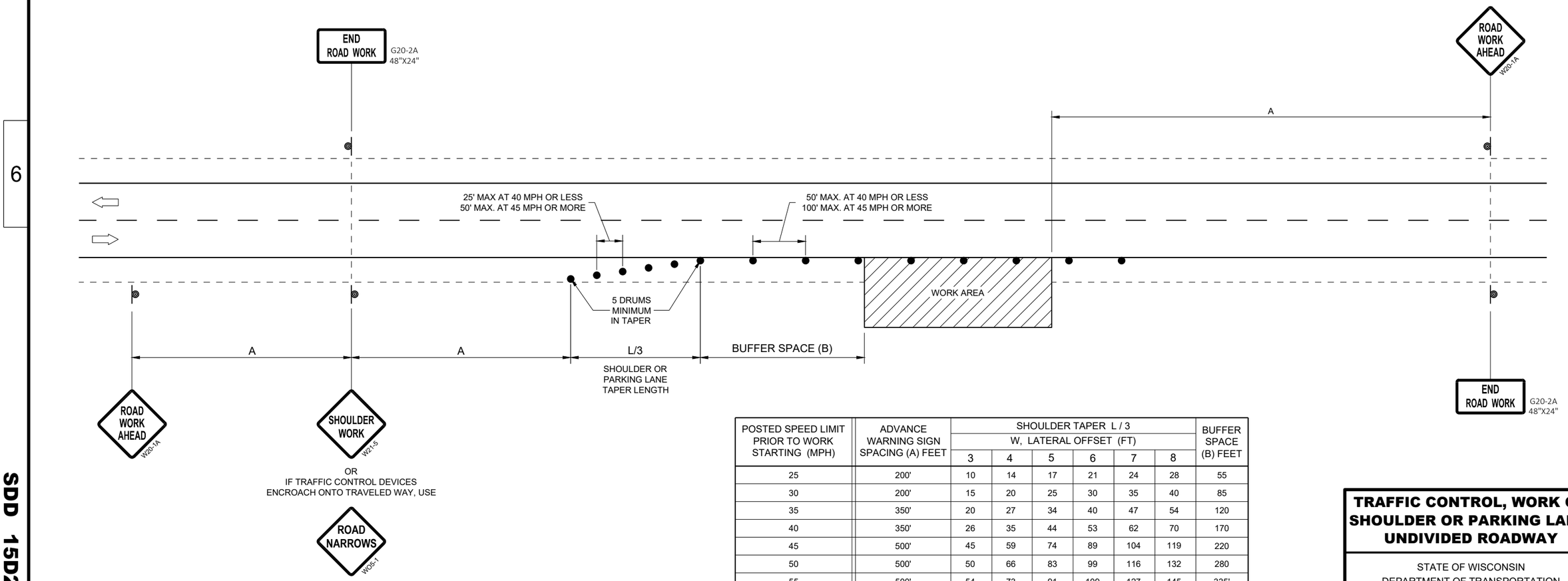
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

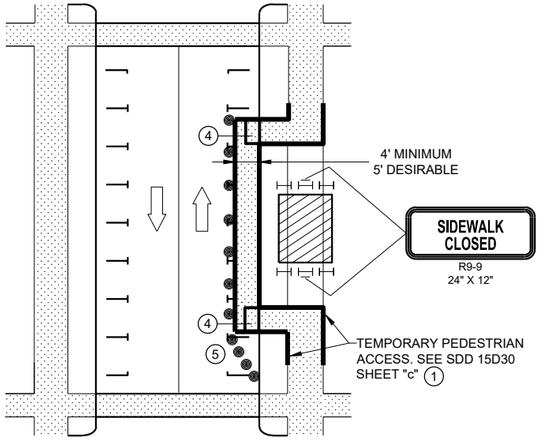
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

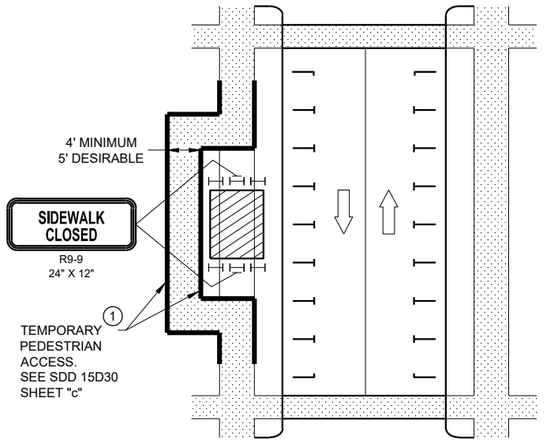
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

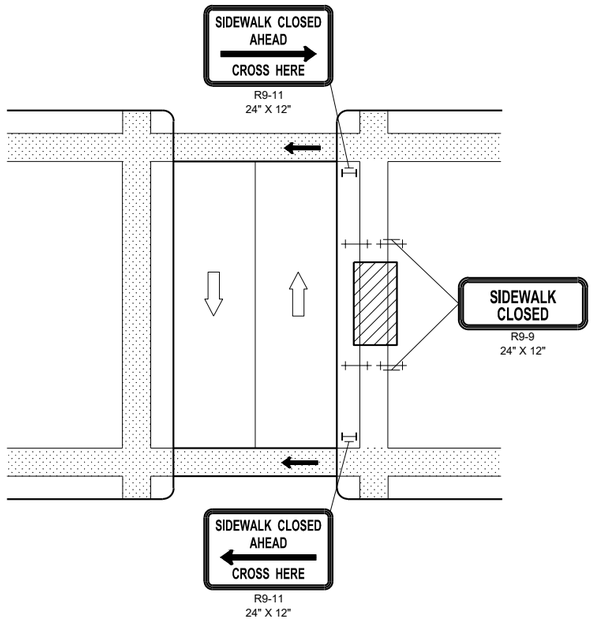


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

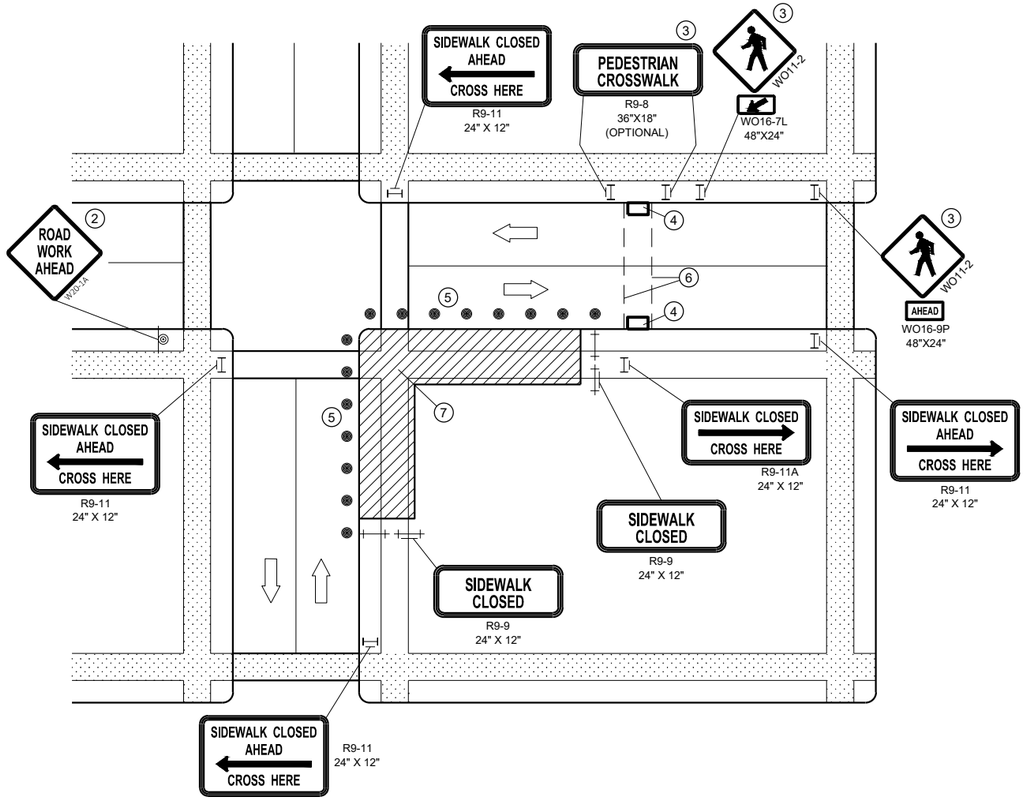
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

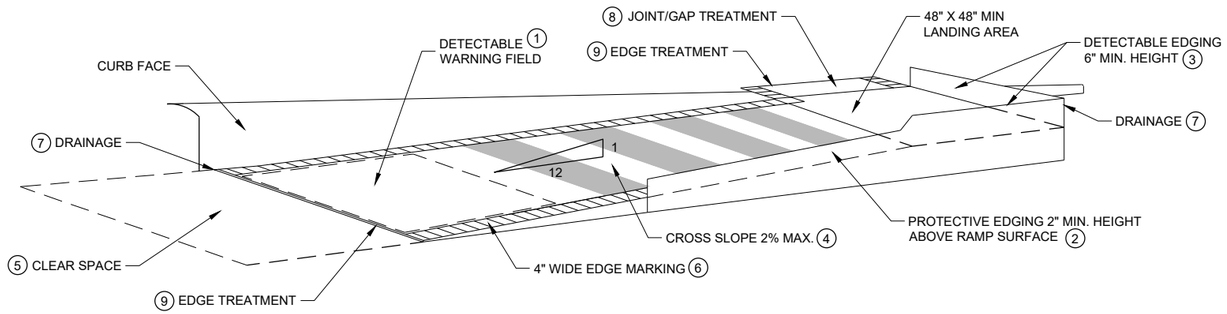
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

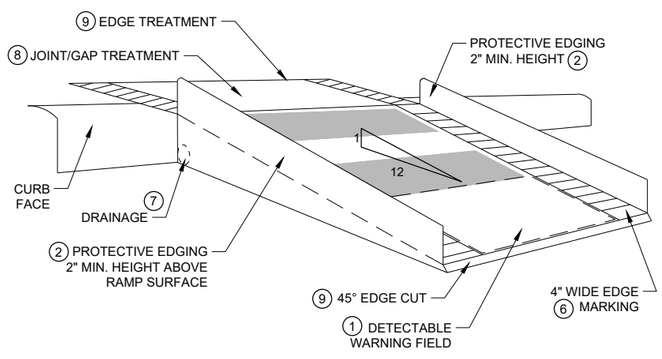
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

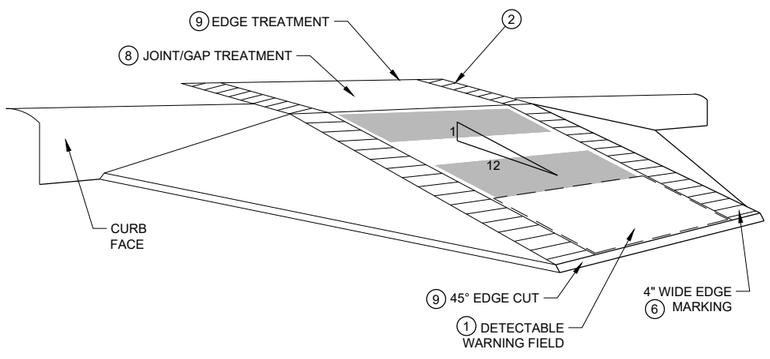
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

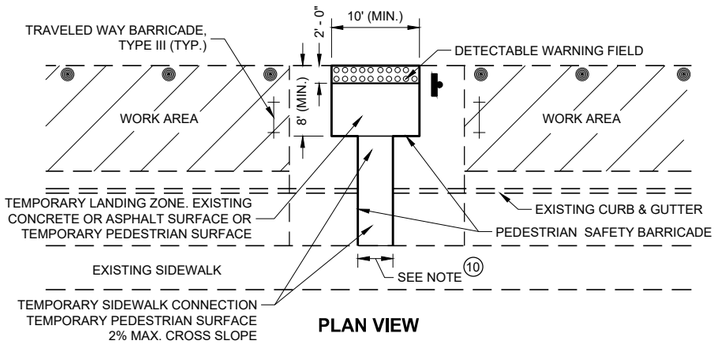
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

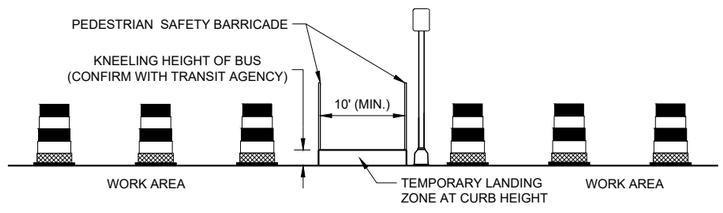
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30 - 06b

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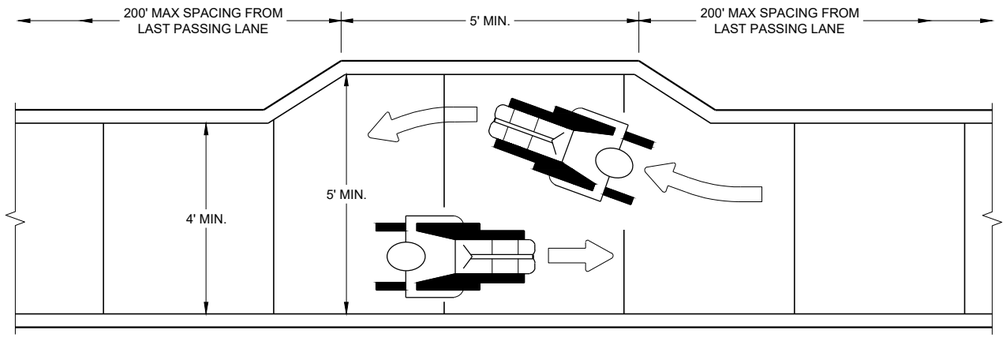
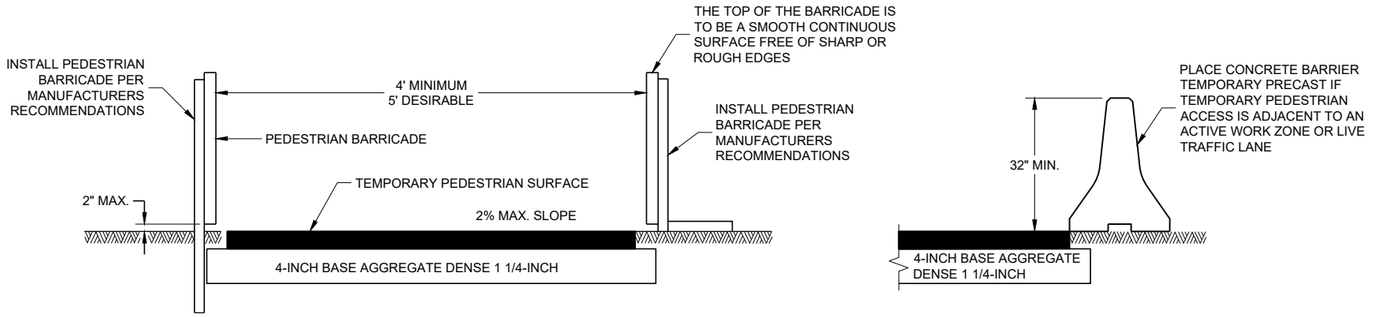
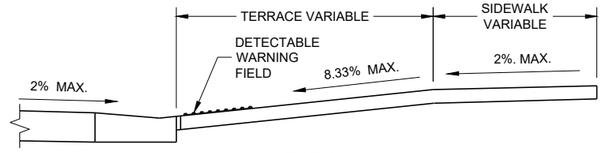
SDD 15D30 - 06b



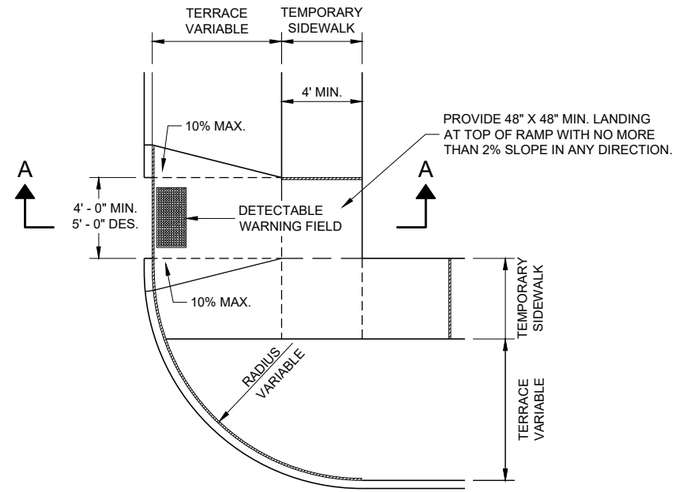
NARROW SIDEWALK PASSING DETAIL



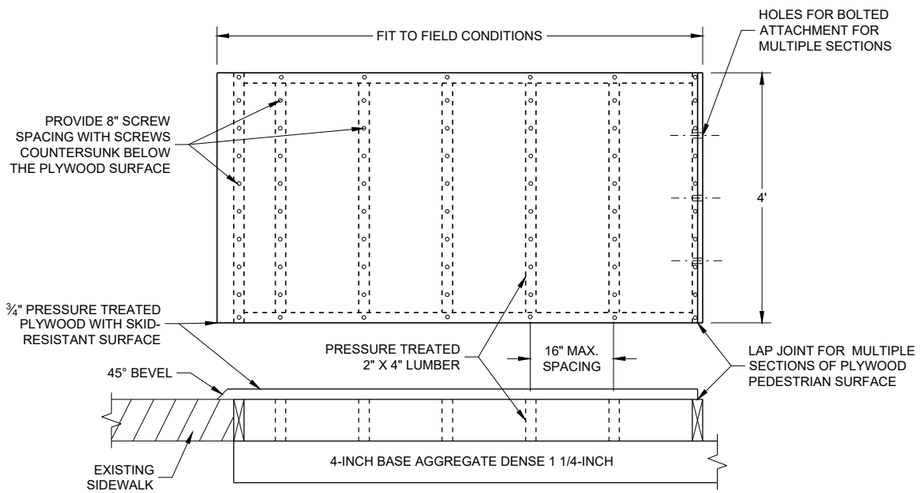
TEMPORARY PEDESTRIAN ACCESS



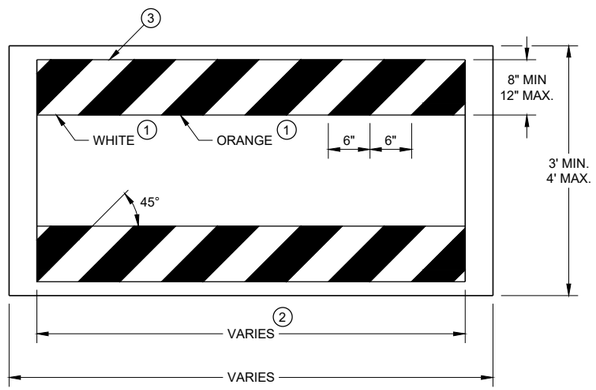
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

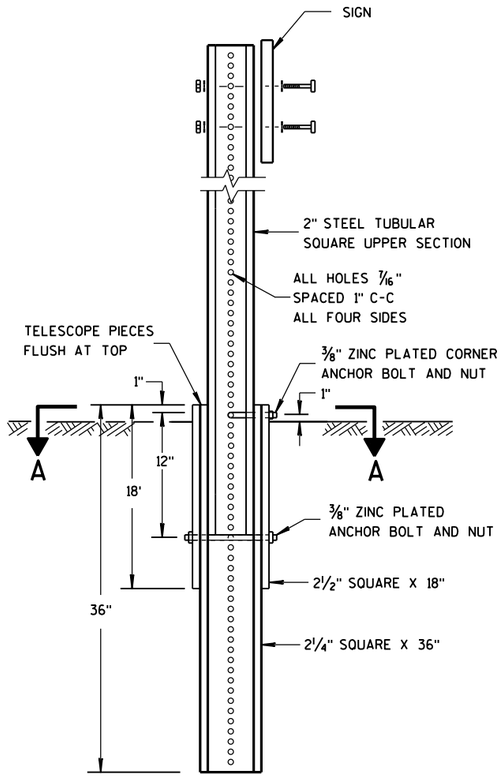
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

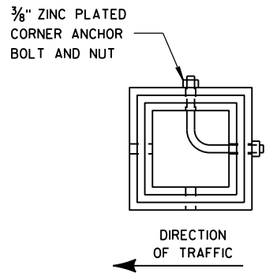
FHWA

SDD 15D30 - 06c

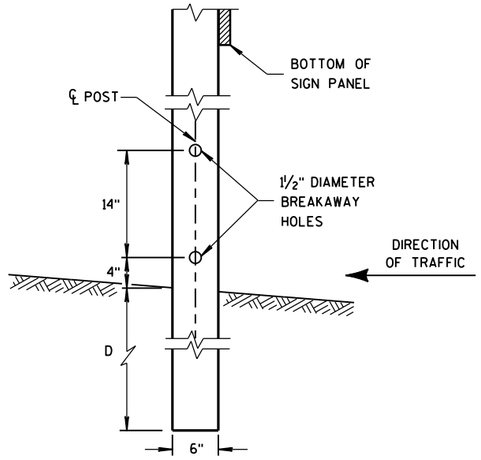
6
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



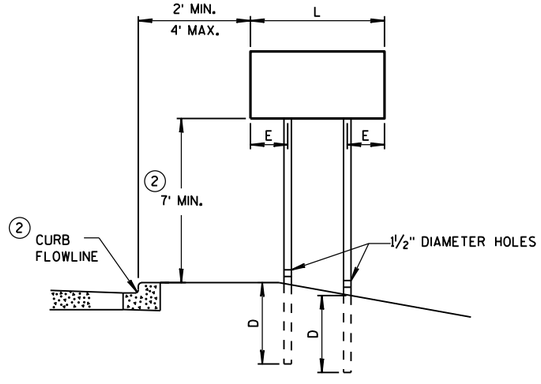
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

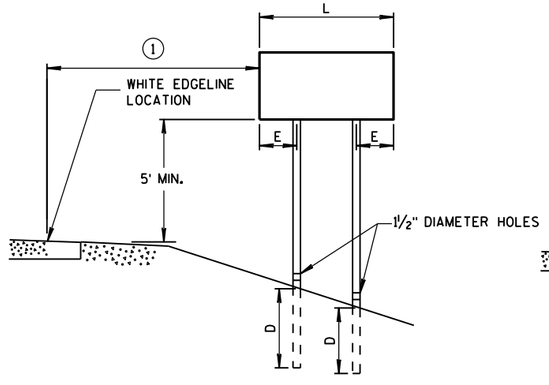
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

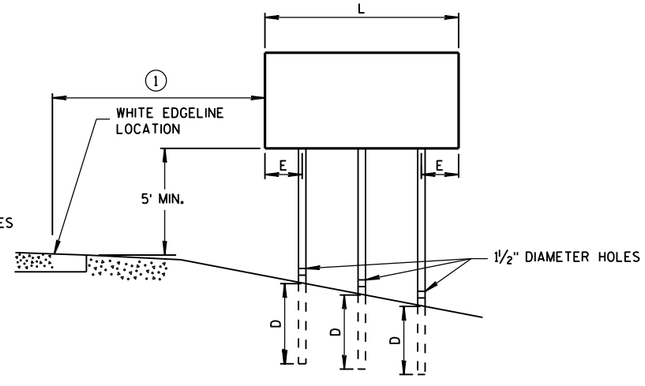
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

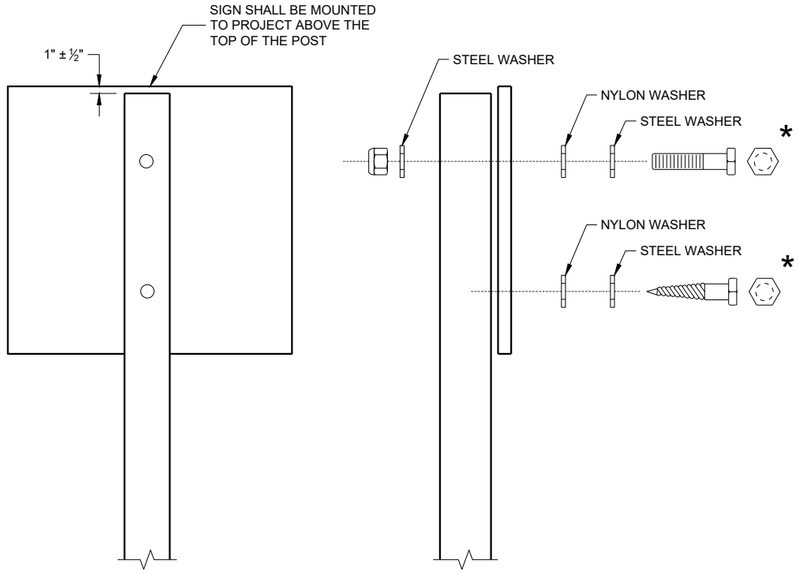
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

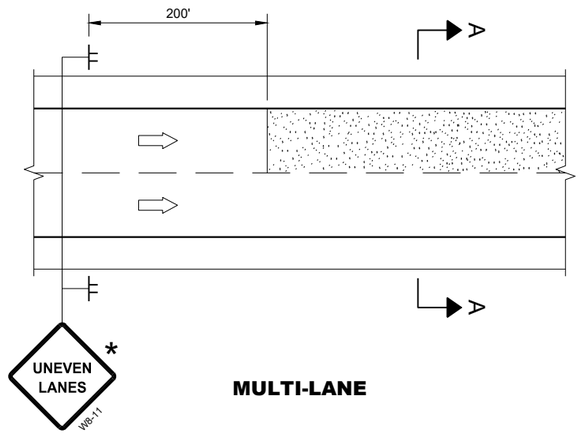
SDD 15D38 - 02b

SDD15D38 - 02b

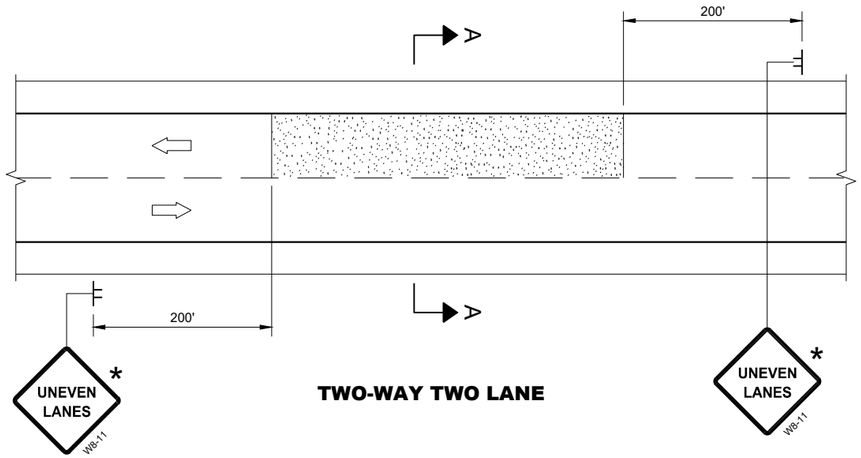
ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

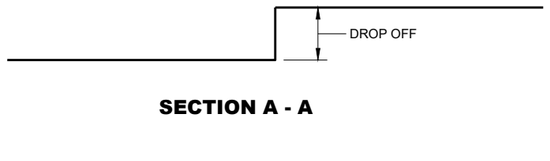
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA



MULTI-LANE

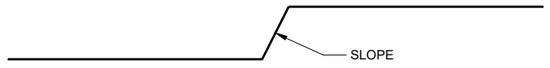


TWO-WAY TWO LANE

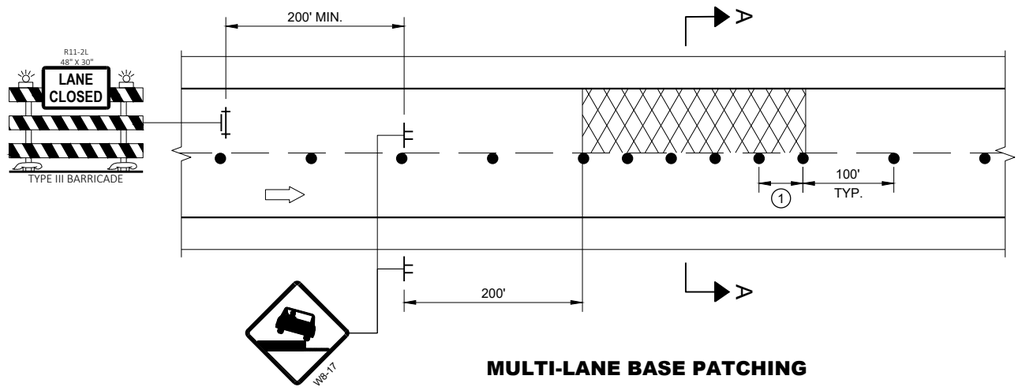


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

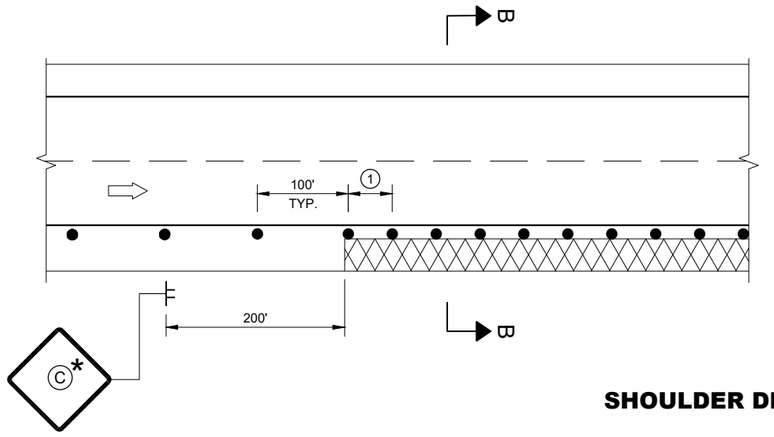
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

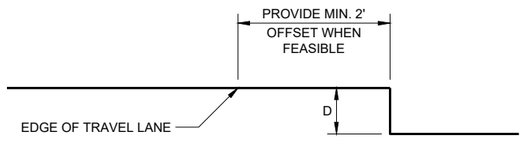
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

6

SDD 15D39 - 02

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

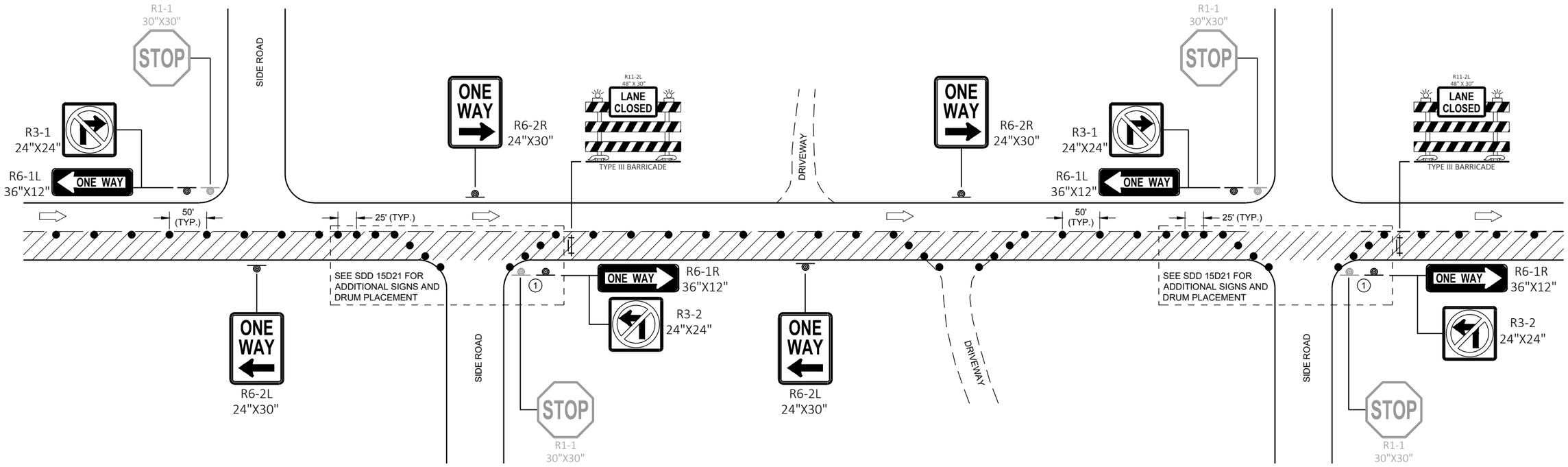
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

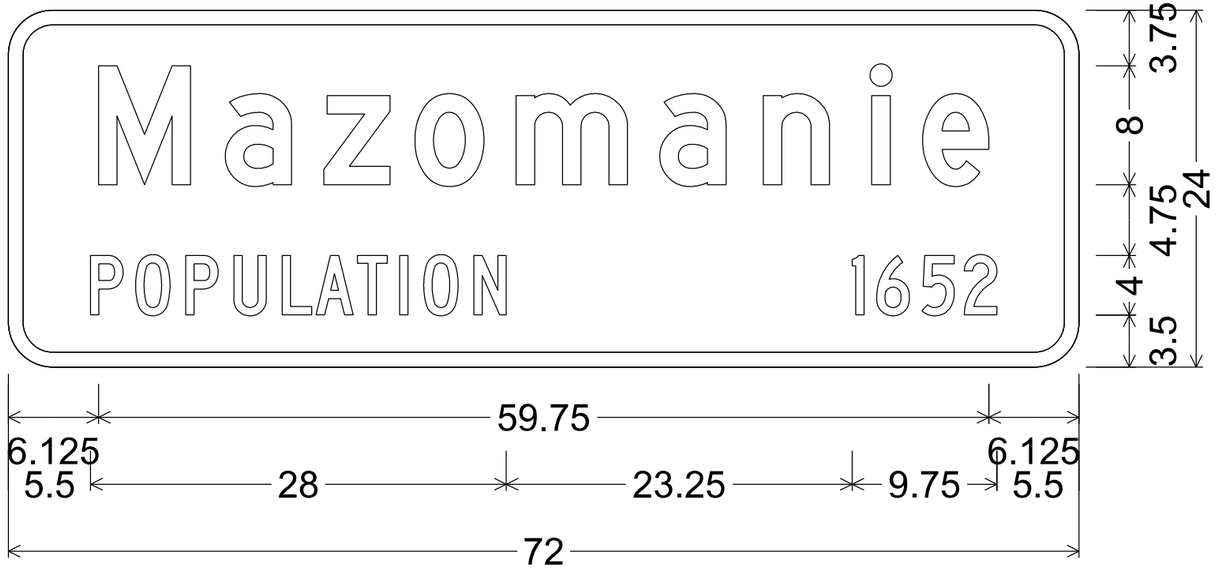
TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	292

SDD 15D46 - 01

SDD 15D46 - 01

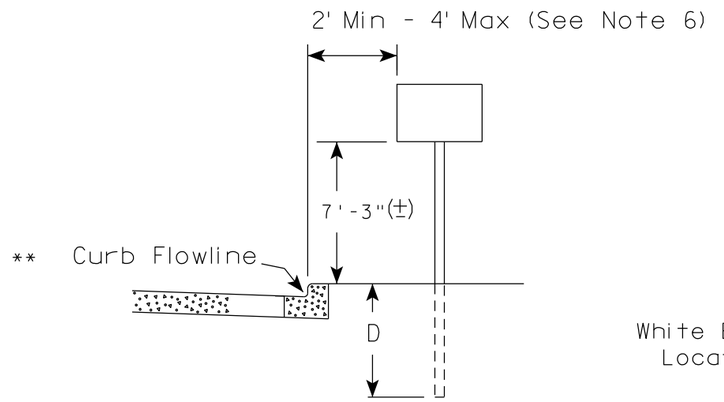
NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - D except as noted.

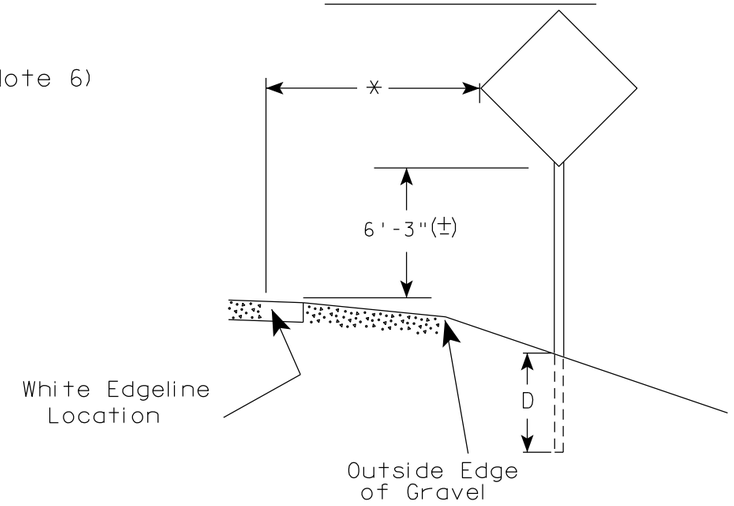


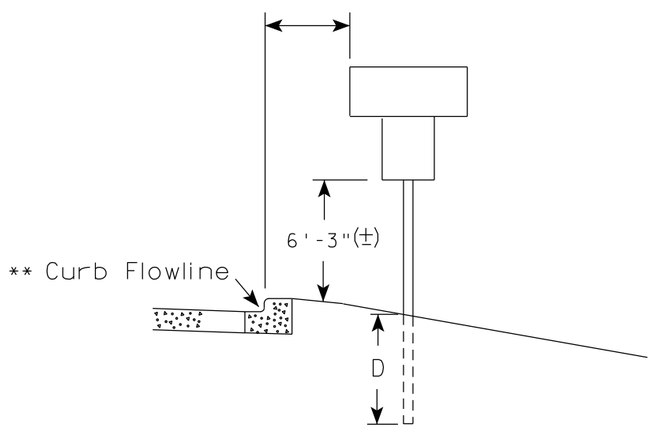
I2-3; 3.000" Radius, 1.000" Border
"POPULATION", C; "1652", C

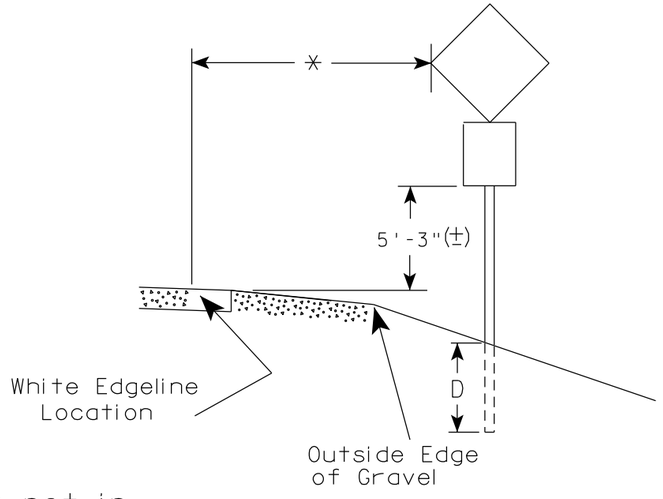
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

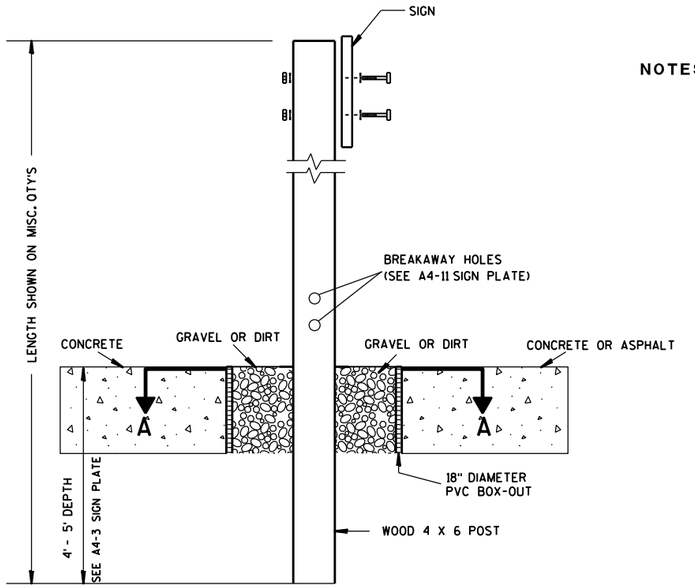
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

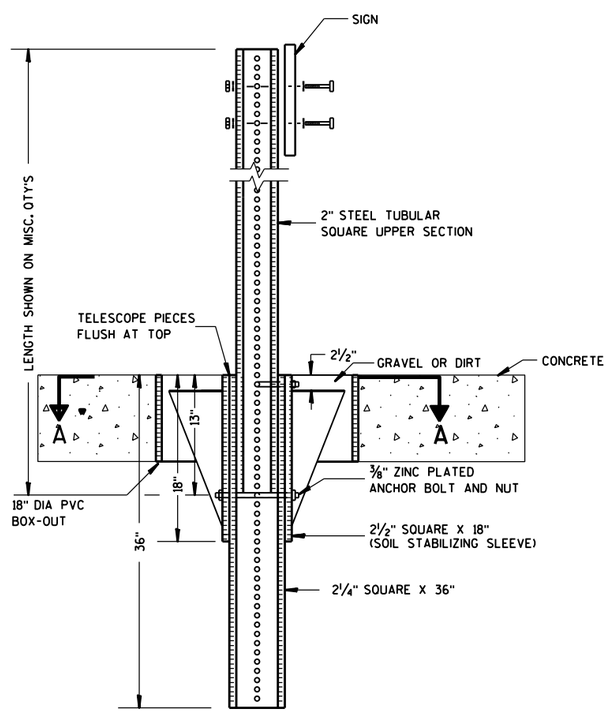
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 294	E



ELEVATION VIEW

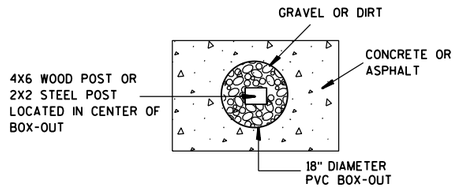
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

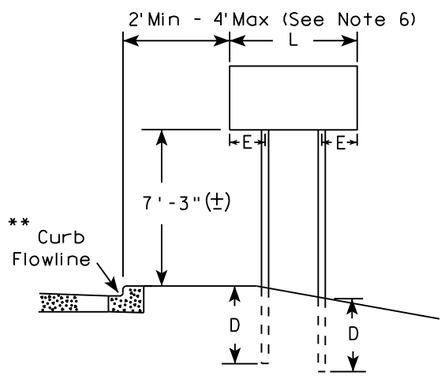
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

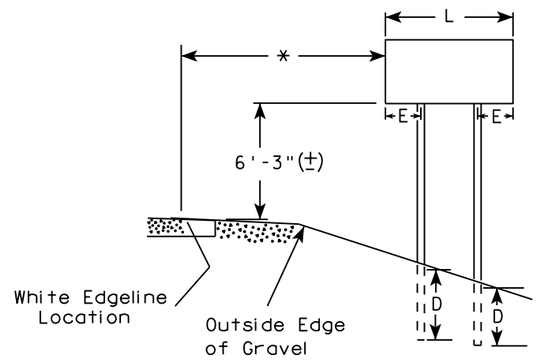
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

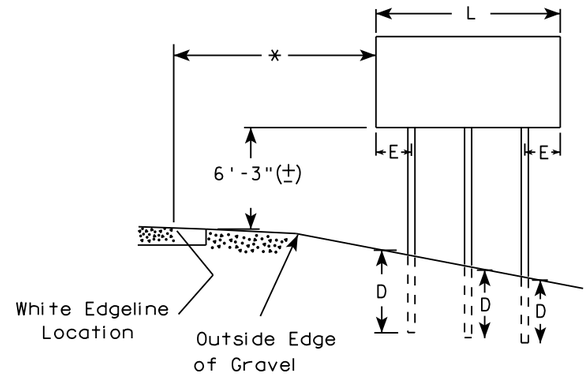
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

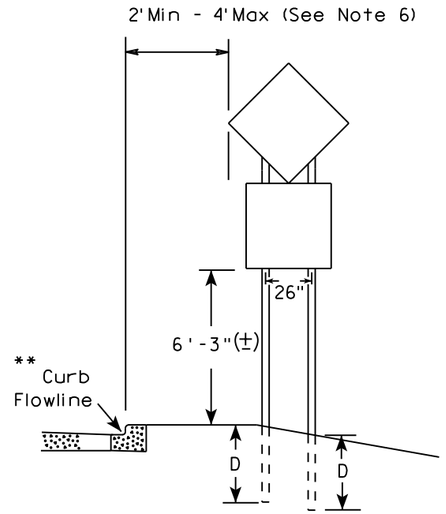
URBAN AREA



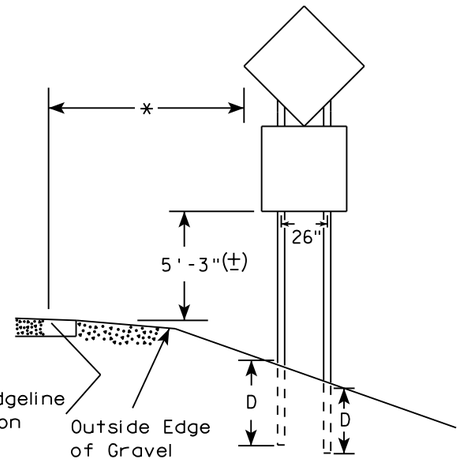
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

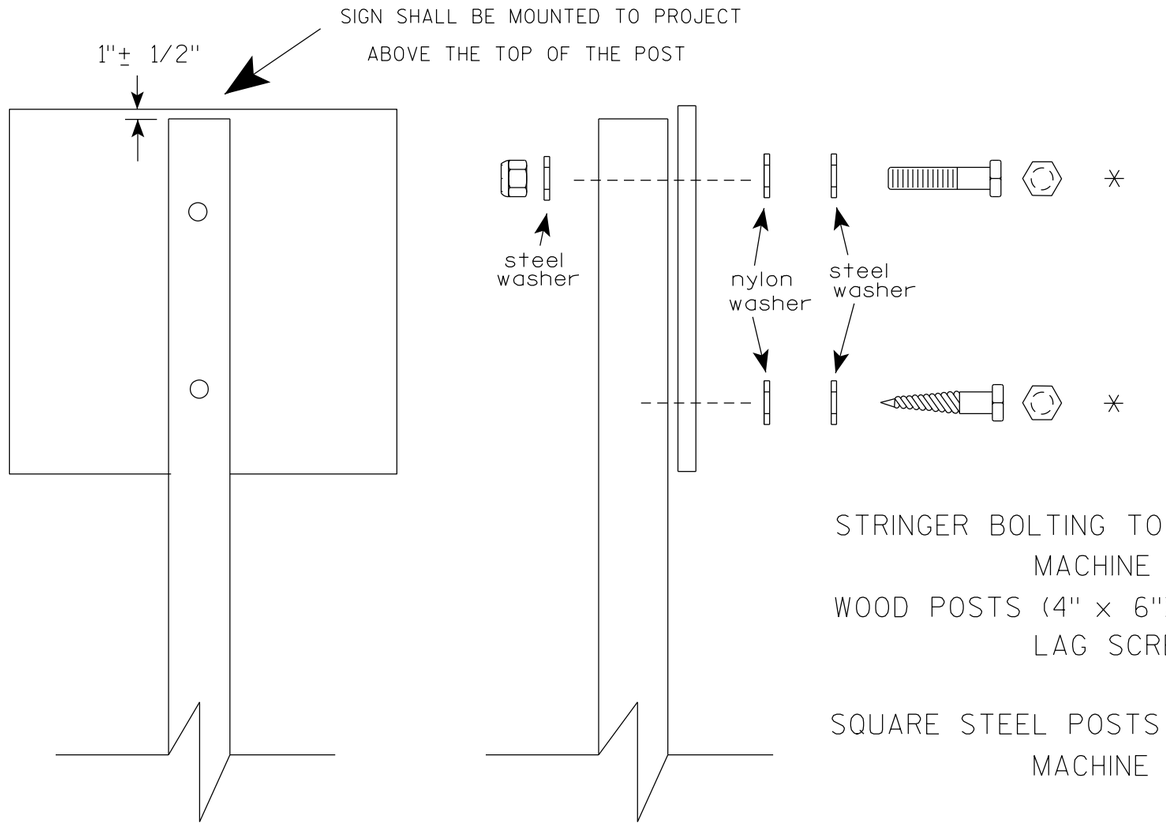
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 296	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

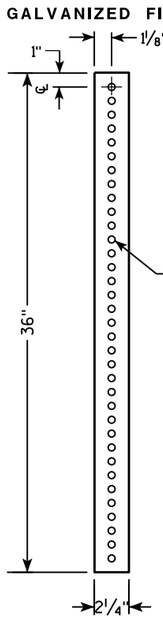
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

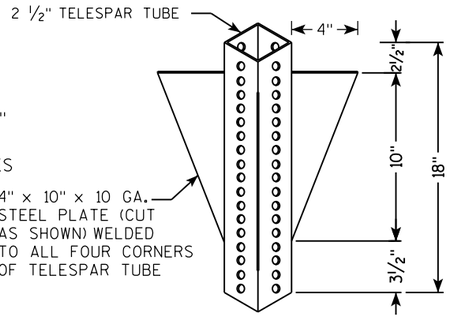
SHEET NO: 297 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

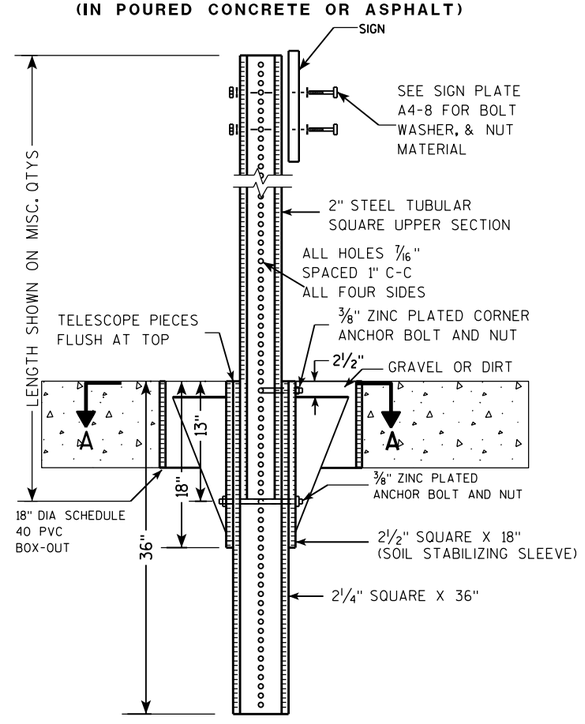
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



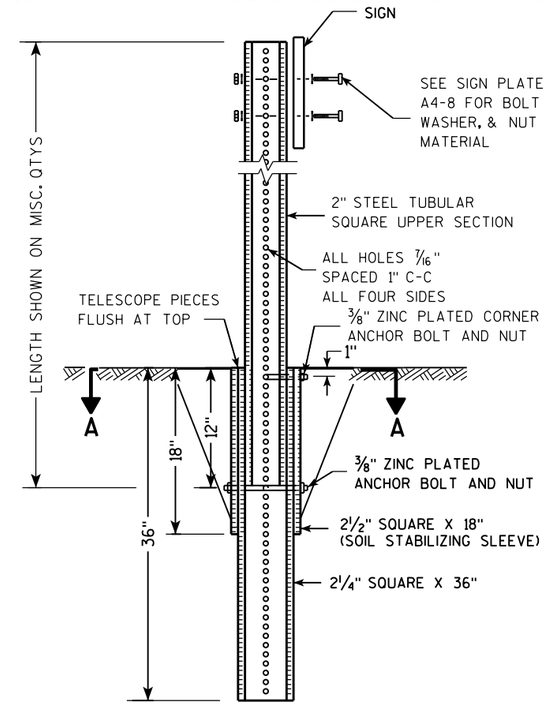
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

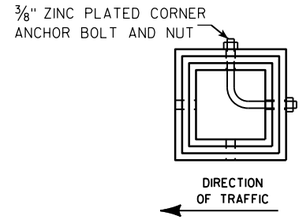


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

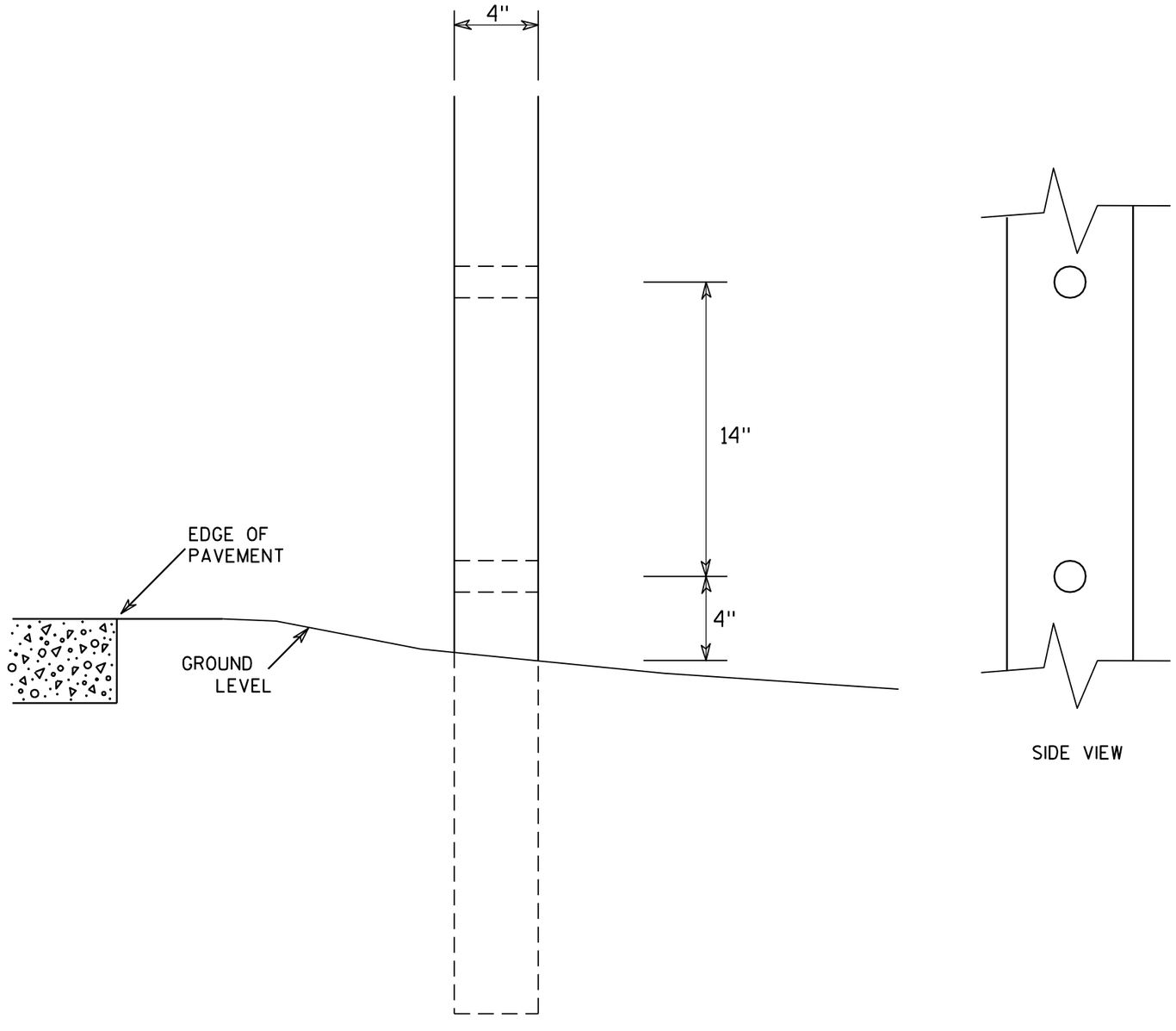
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 298 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

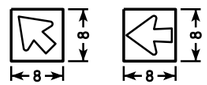
WISCONSIN DEPT OF TRANSPORTATION

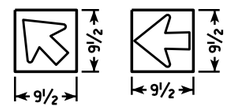
APPROVED Chester J Spang for State Traffic Engineer

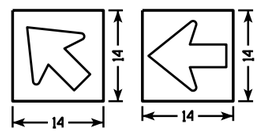
DATE 3/27/97 PLATE NO. A4-11.2

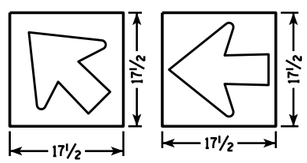
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 299	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES







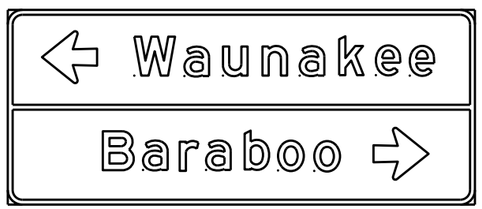


GENERAL NOTES

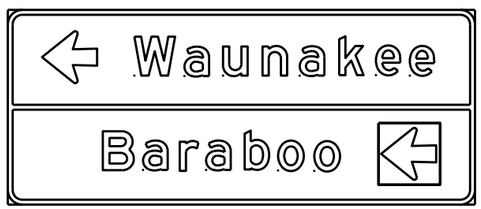
1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

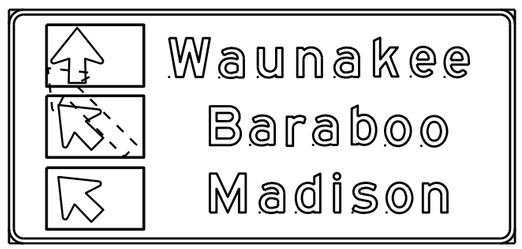
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

BEFORE



AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

300

A4-12.2

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A412.DGN

PLOT DATE : 08-OCT-2014 11:50

PLOT BY : mscsja

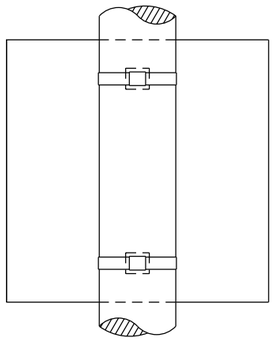
WISDOT/CADDS SHEET 42

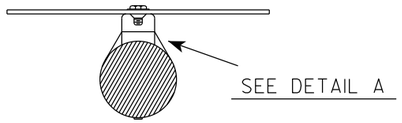
7

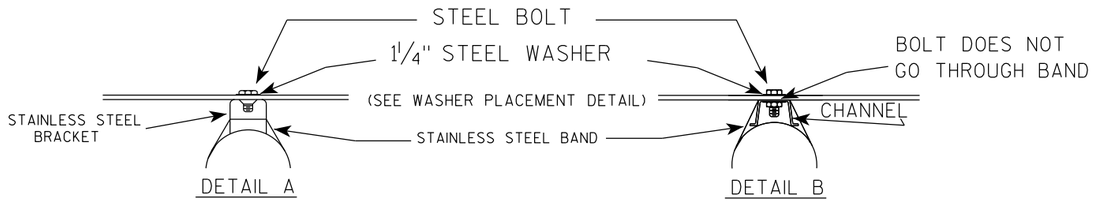
7

BANDING

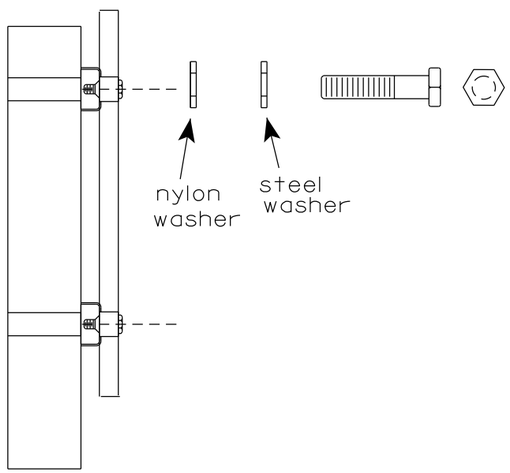
SINGLE SIGN







WASHER PLACEMENT

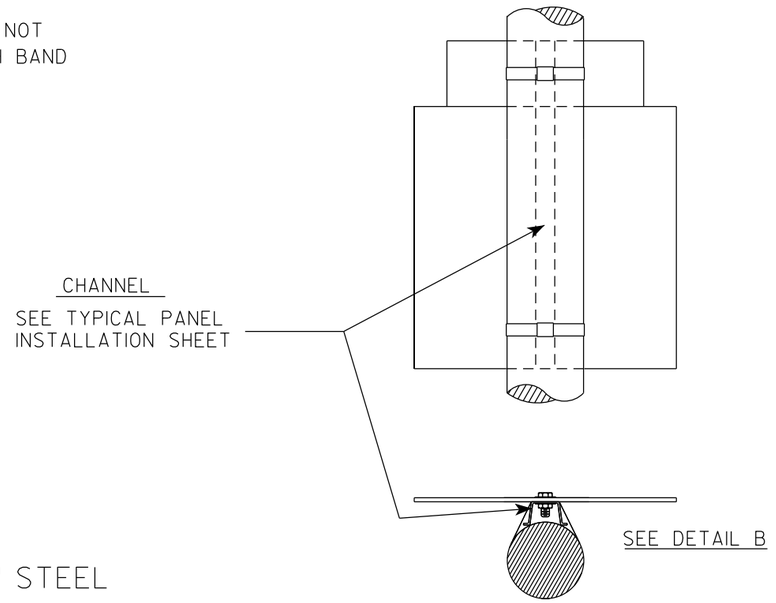


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

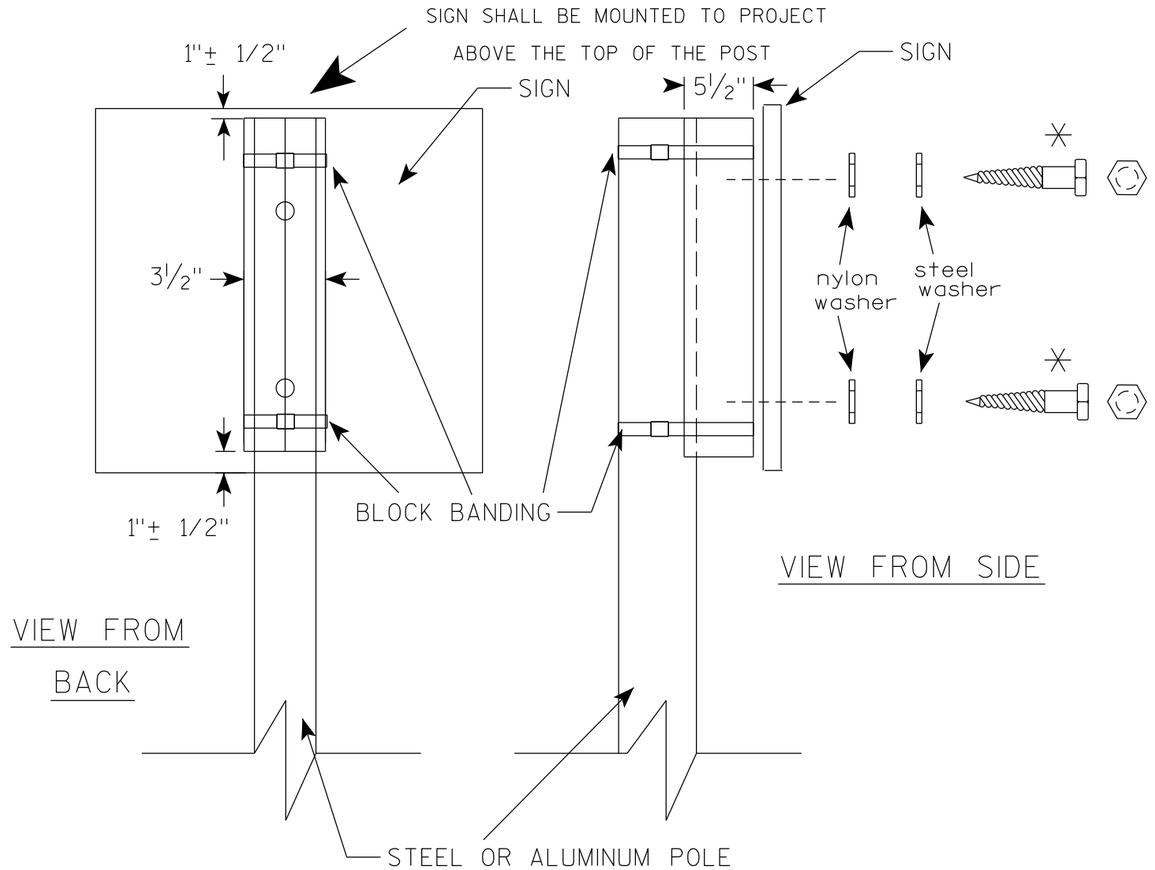
DATE 6/10/19 PLATE NO. A5-9.4

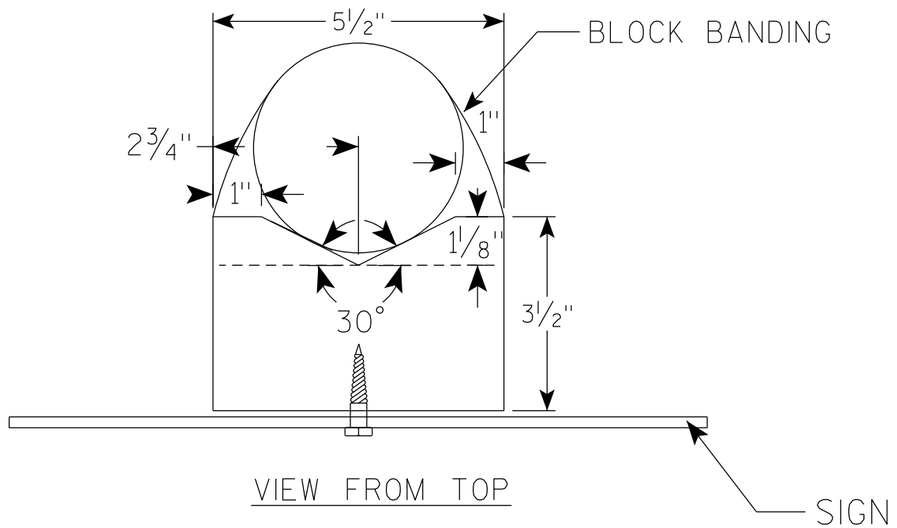
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 301	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

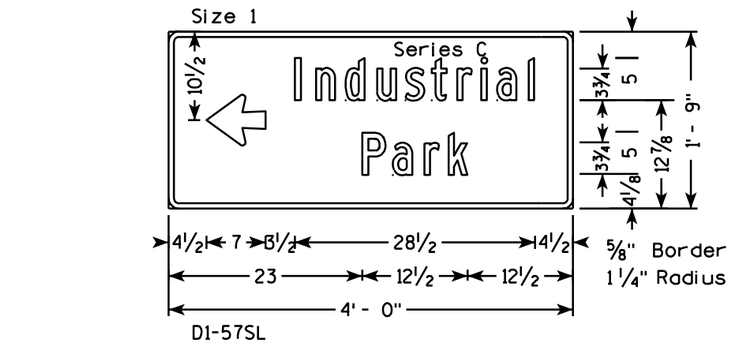
BLOCK BANDING DETAIL (V-BLOCK OPTION)

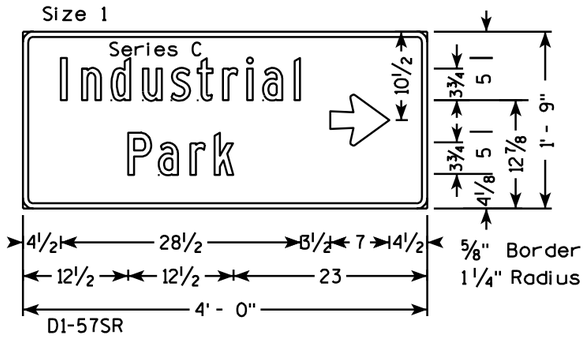
WISCONSIN DEPT OF TRANSPORTATION

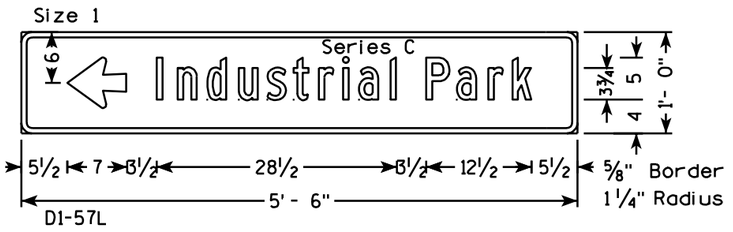
APPROVED Matthew R Rauch
For State Traffic Engineer

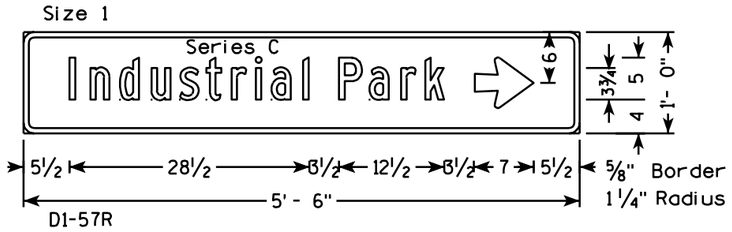
DATE 6/10/19 PLATE NO. A5-10.2

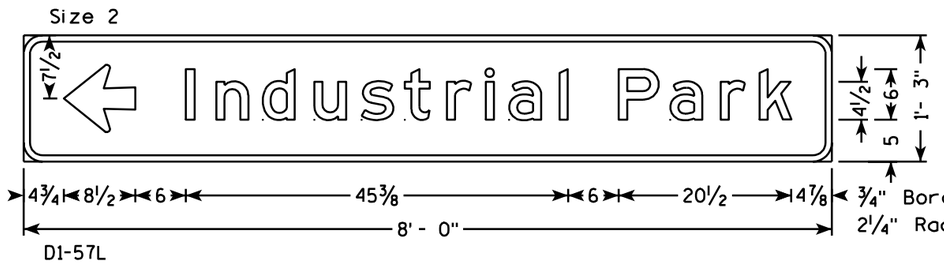
PROJECT NO: | SHEET NO: 302 | E

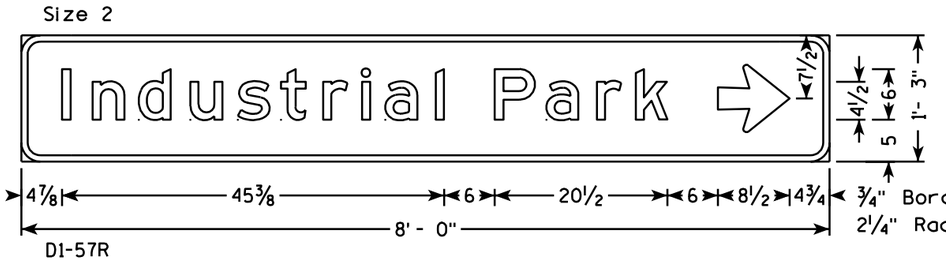


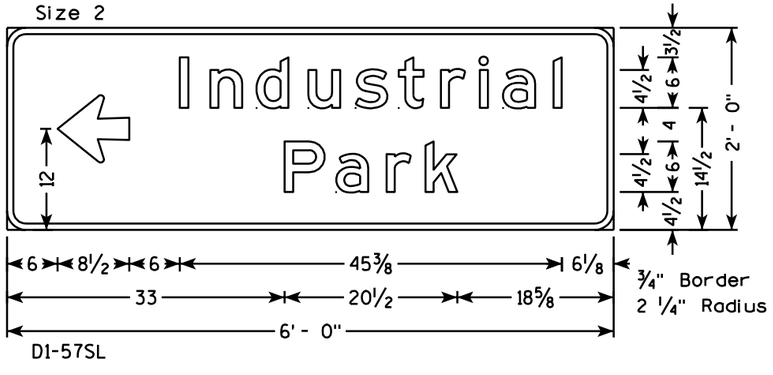


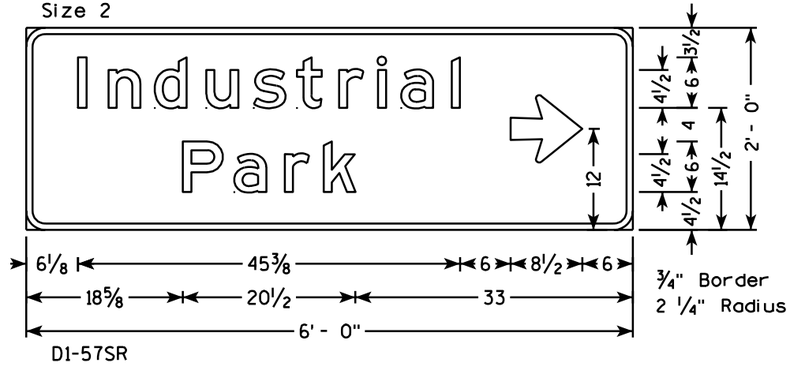












NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

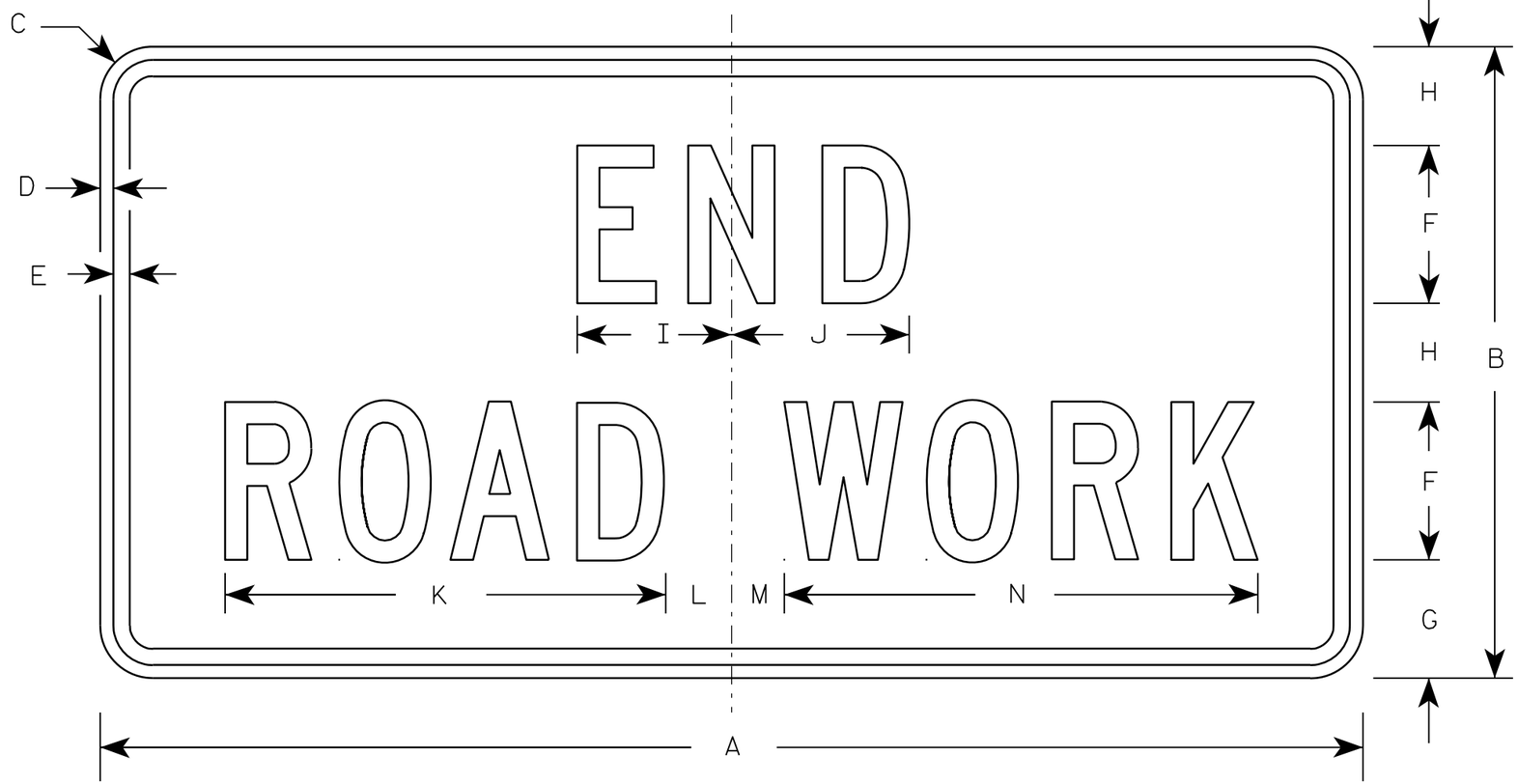
TYPICAL STANDARD
D1-57L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/19/08 PLATE NO. D1-57.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 303	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

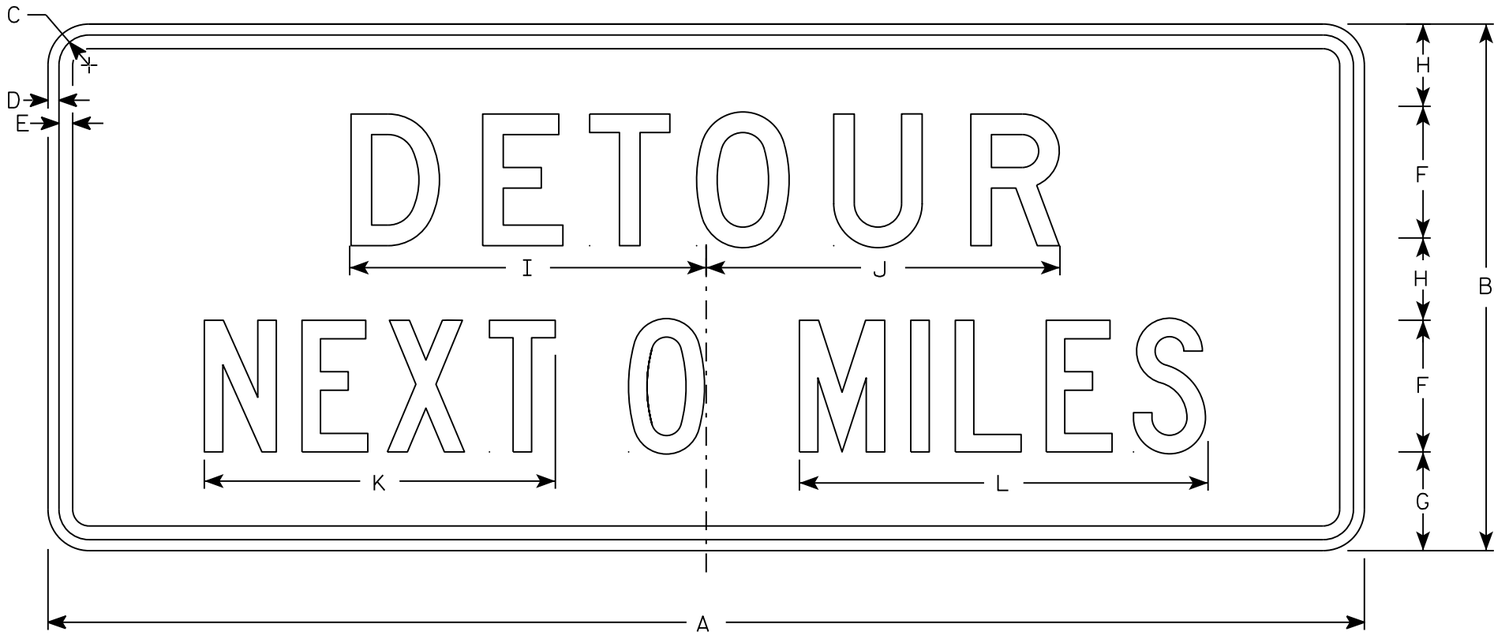
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 304	E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

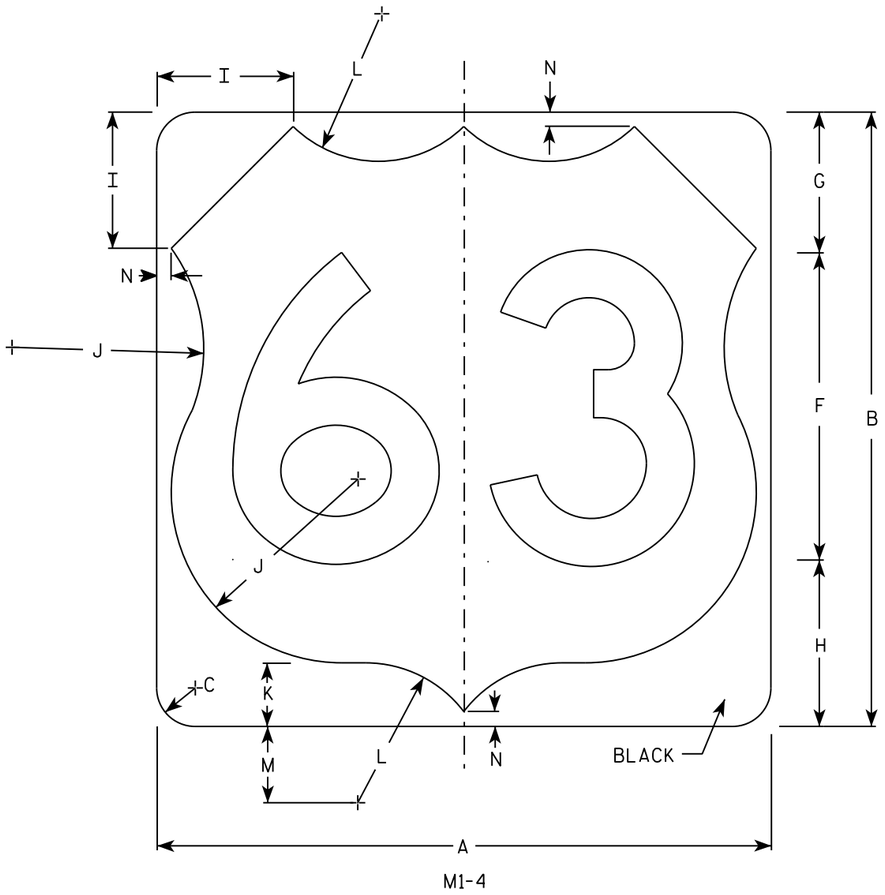
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-51.2

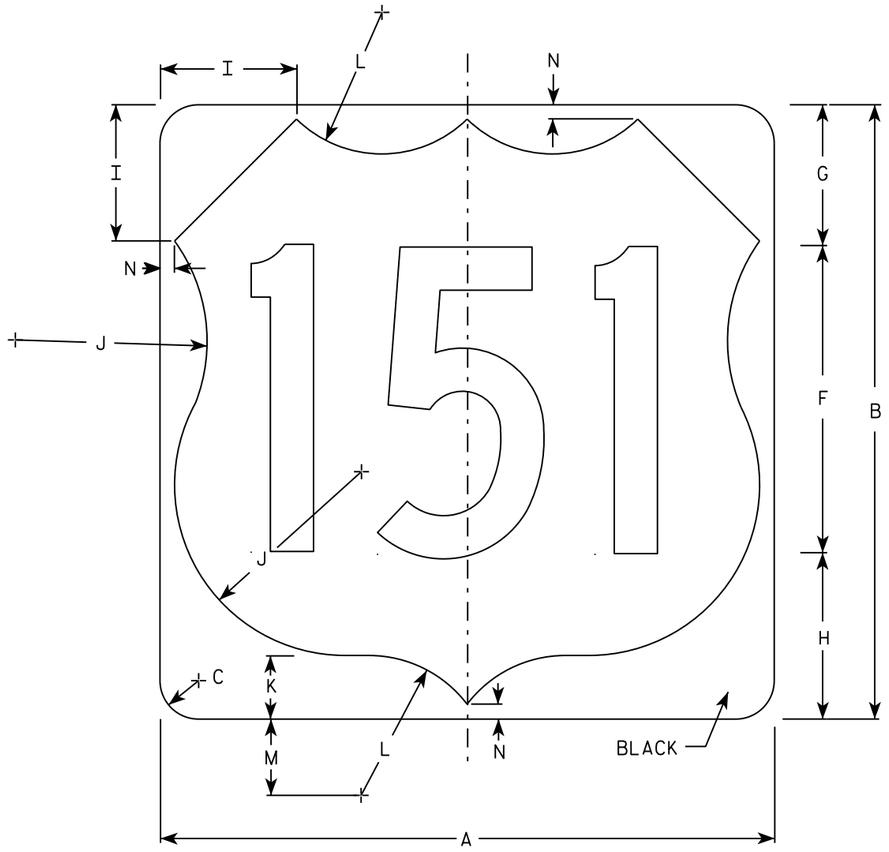
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

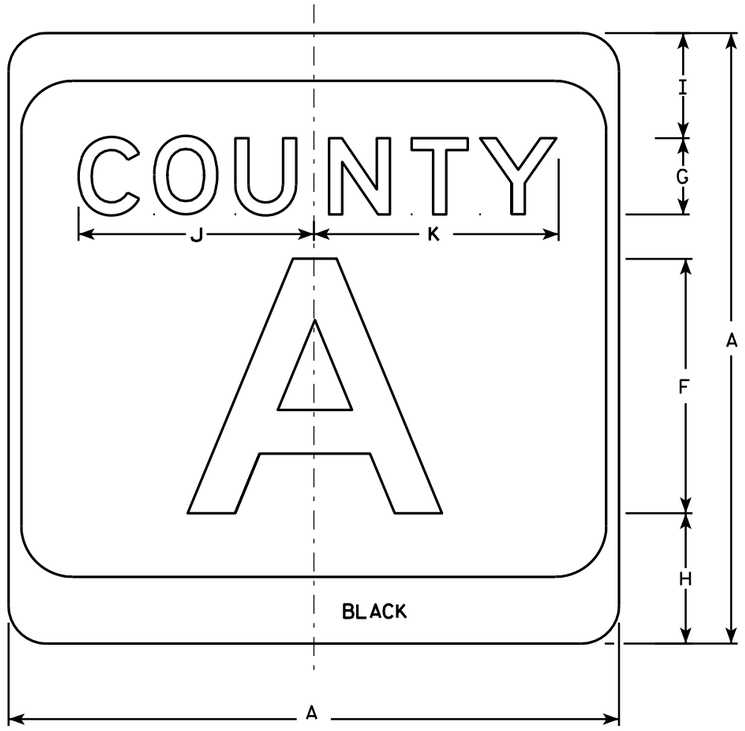
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

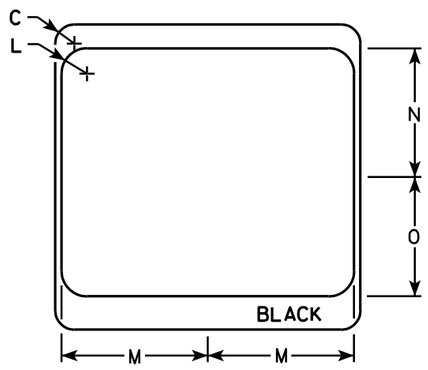
APPROVED Matthew R Rauch
for State Traffic Engineer

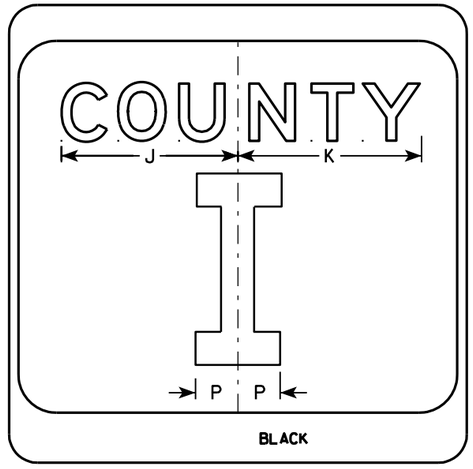
DATE 3/16/18 PLATE NO. M1-4.10

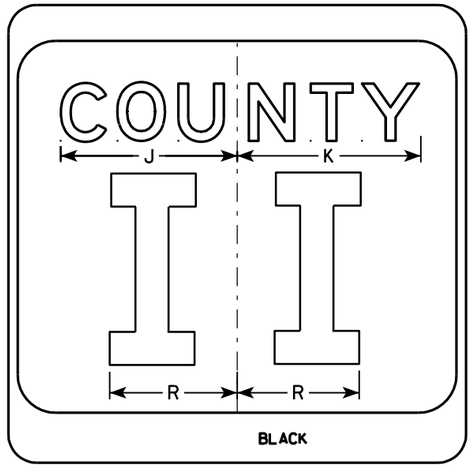
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 306	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

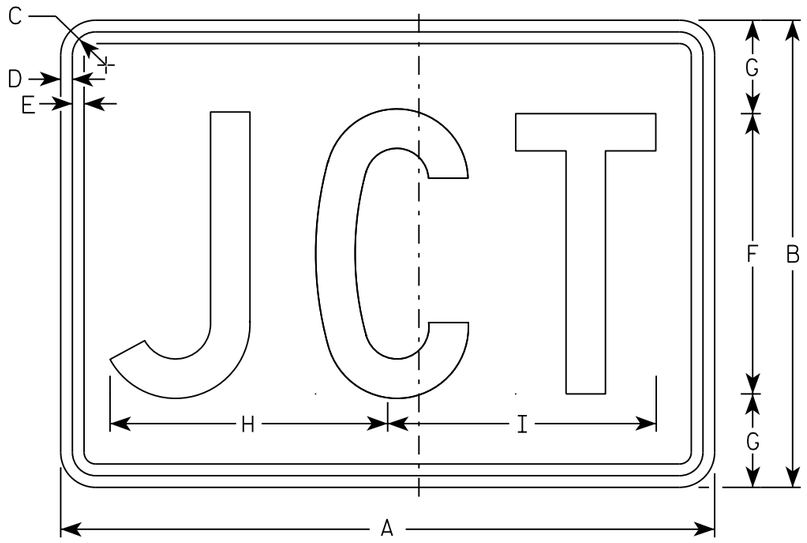
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

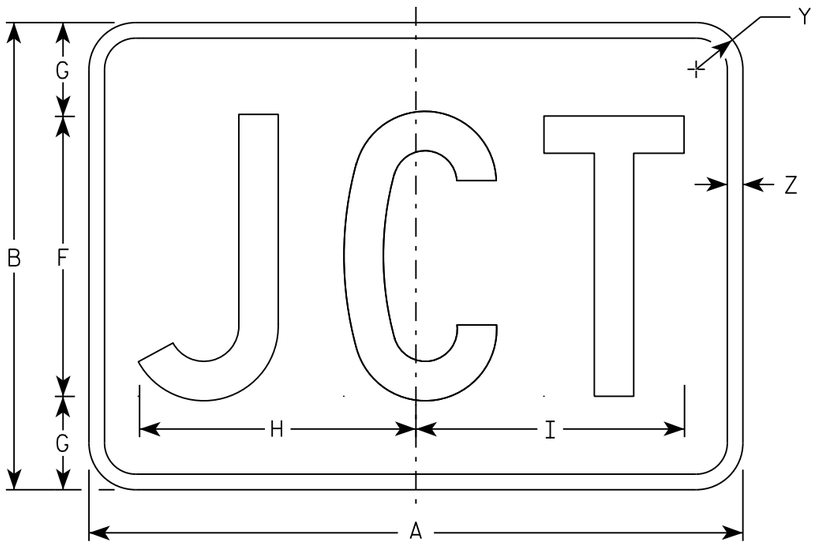
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

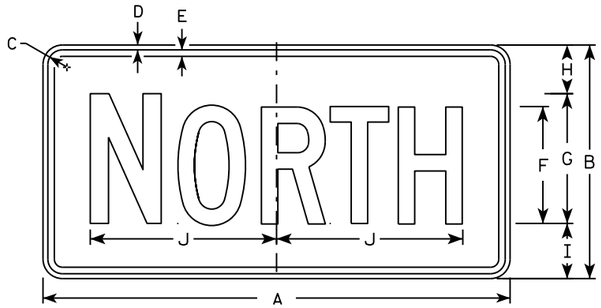
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

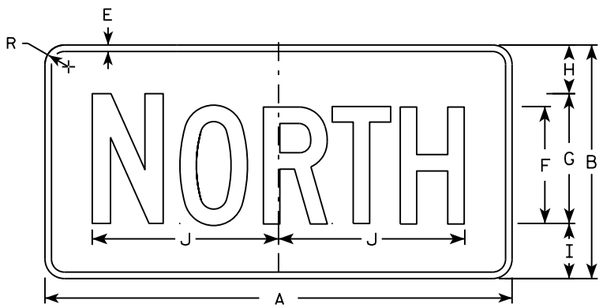
DATE 10/15/15 PLATE 308 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



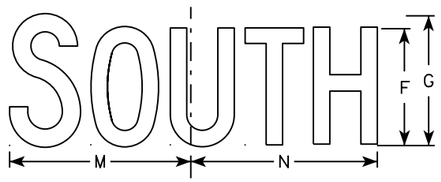
M3-1
MM3-1
MP3-1



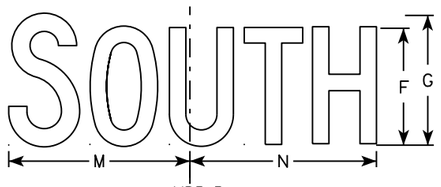
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

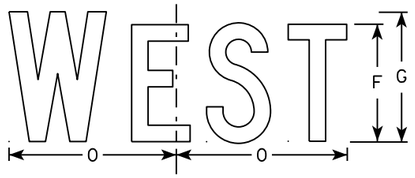
MB3-2
MK3-2
MN3-2



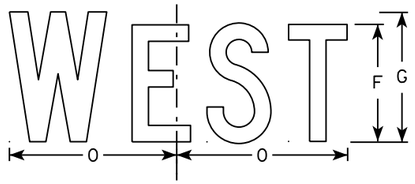
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

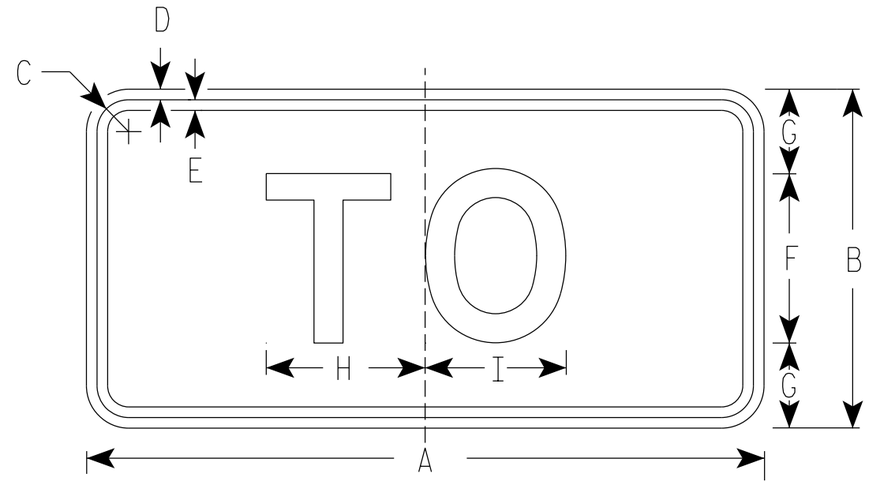
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

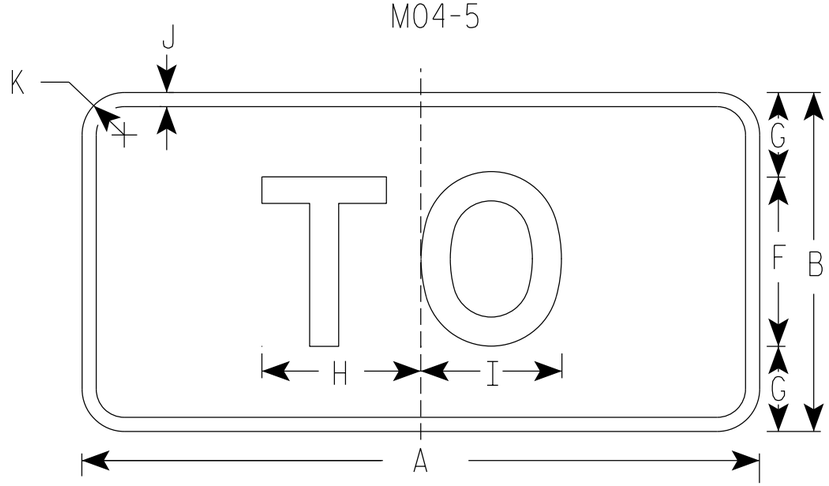
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

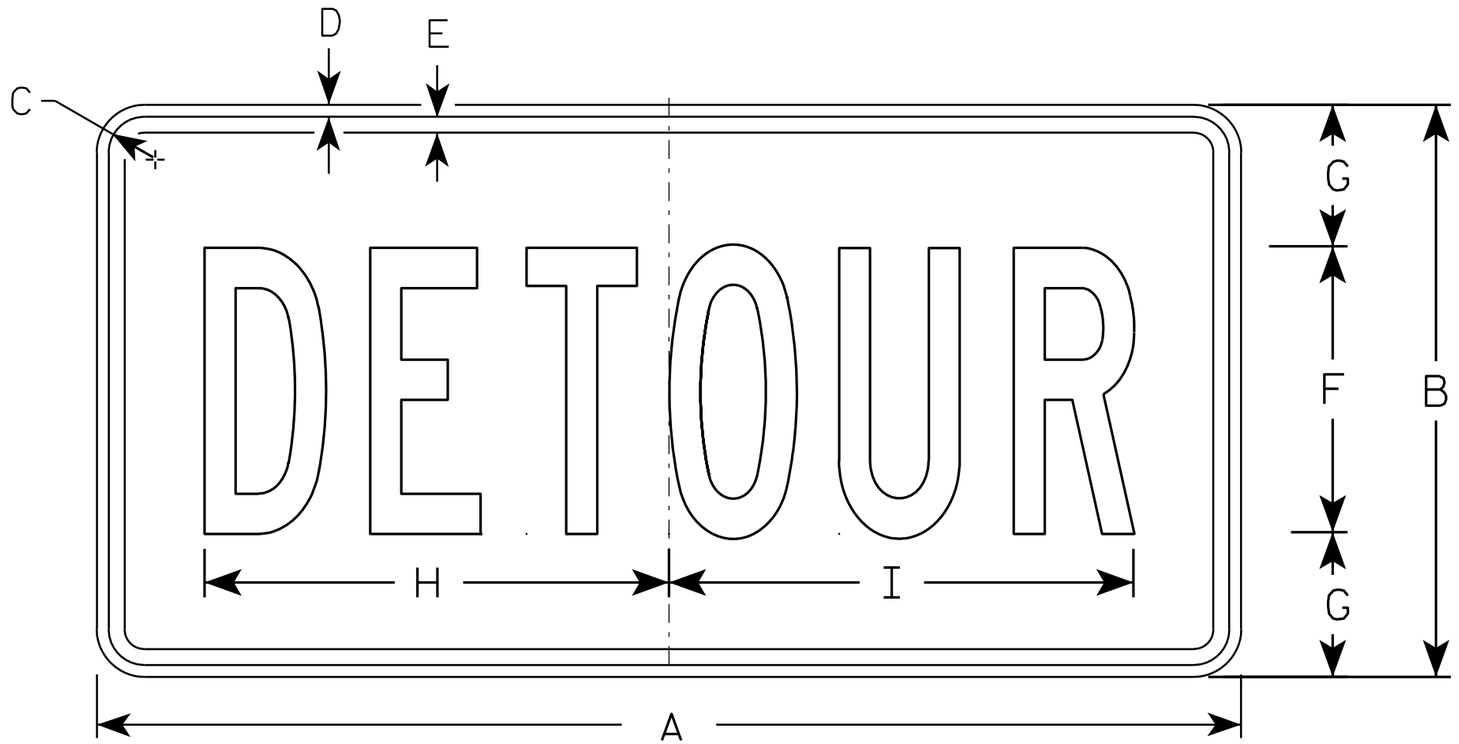
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

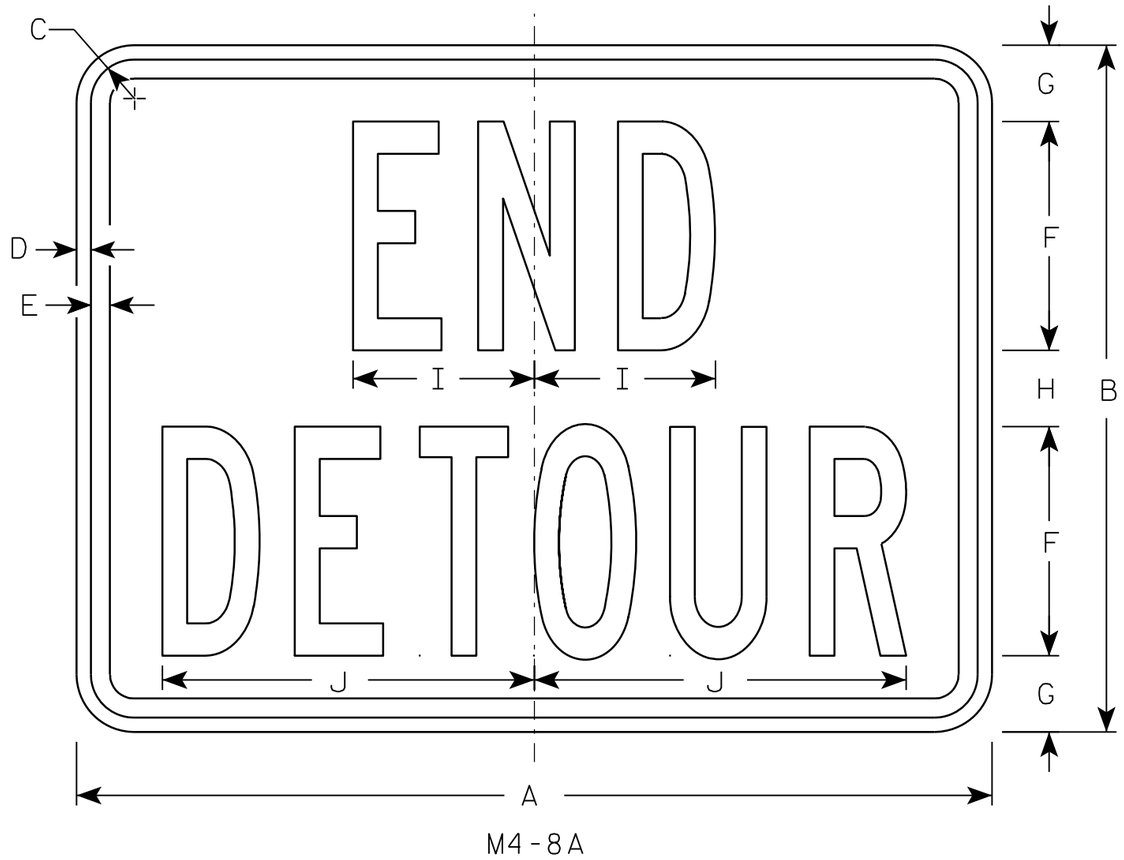
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 311	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN PLOT DATE : 10-NOV-2010 13:18 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.767233:1.000000

WISDOT/CADDS SHEET 42

7

7



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

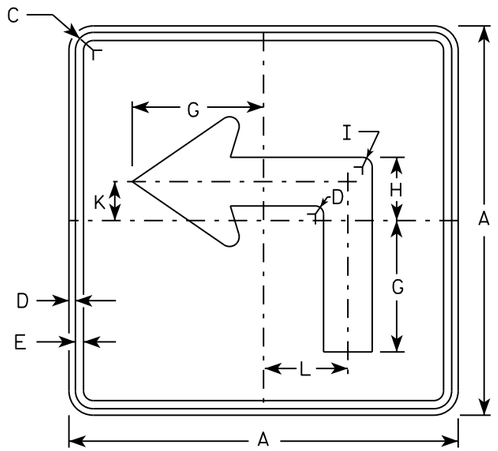
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

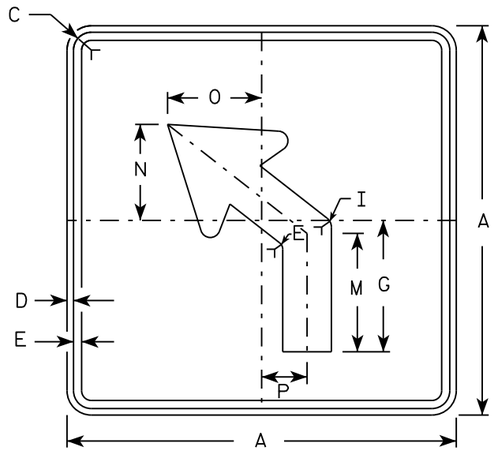
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

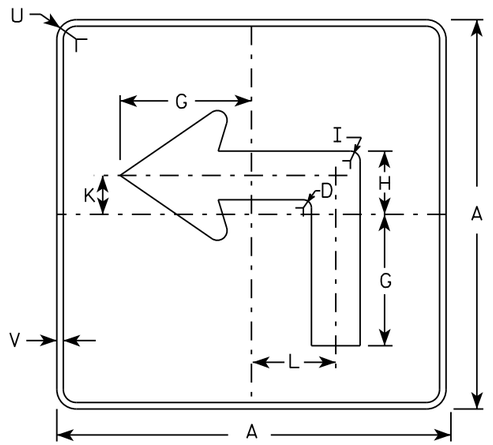
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 312	E



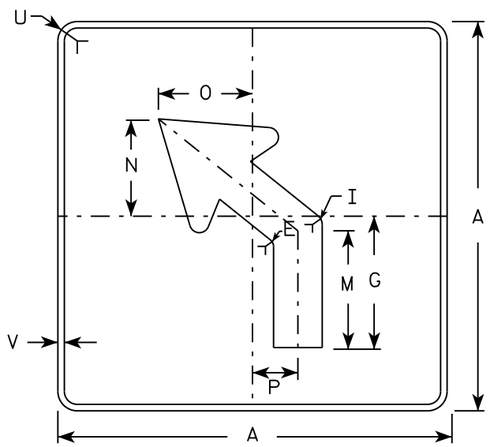
M5-1L
MM5-1L
MO5-1L
MP5-1L



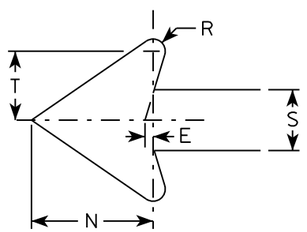
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

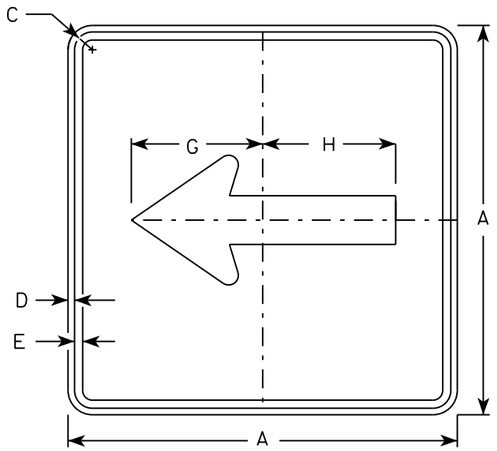
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

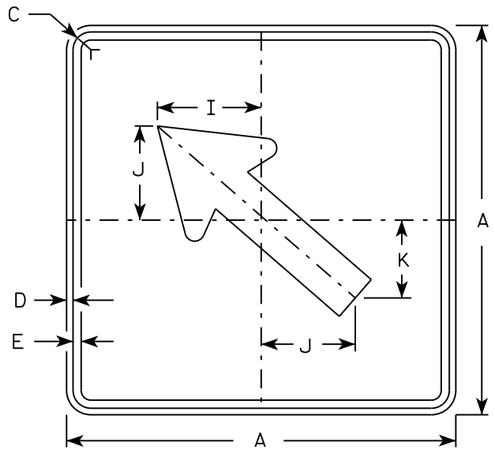
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



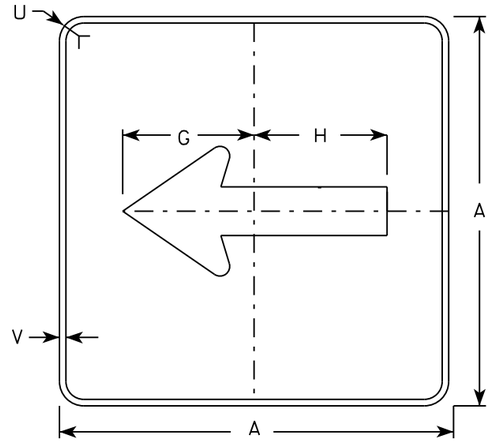
M6-1
MM6-1
MO6-1
MP6-1



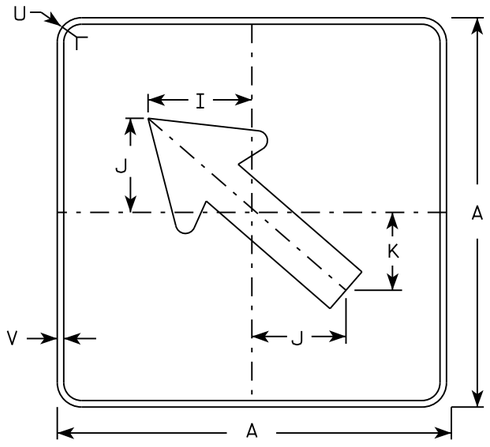
M6-2
MM6-2
MO6-2
MP6-2

NOTES

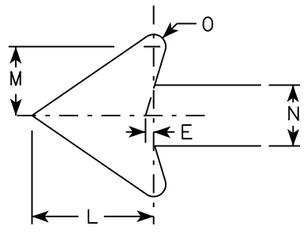
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

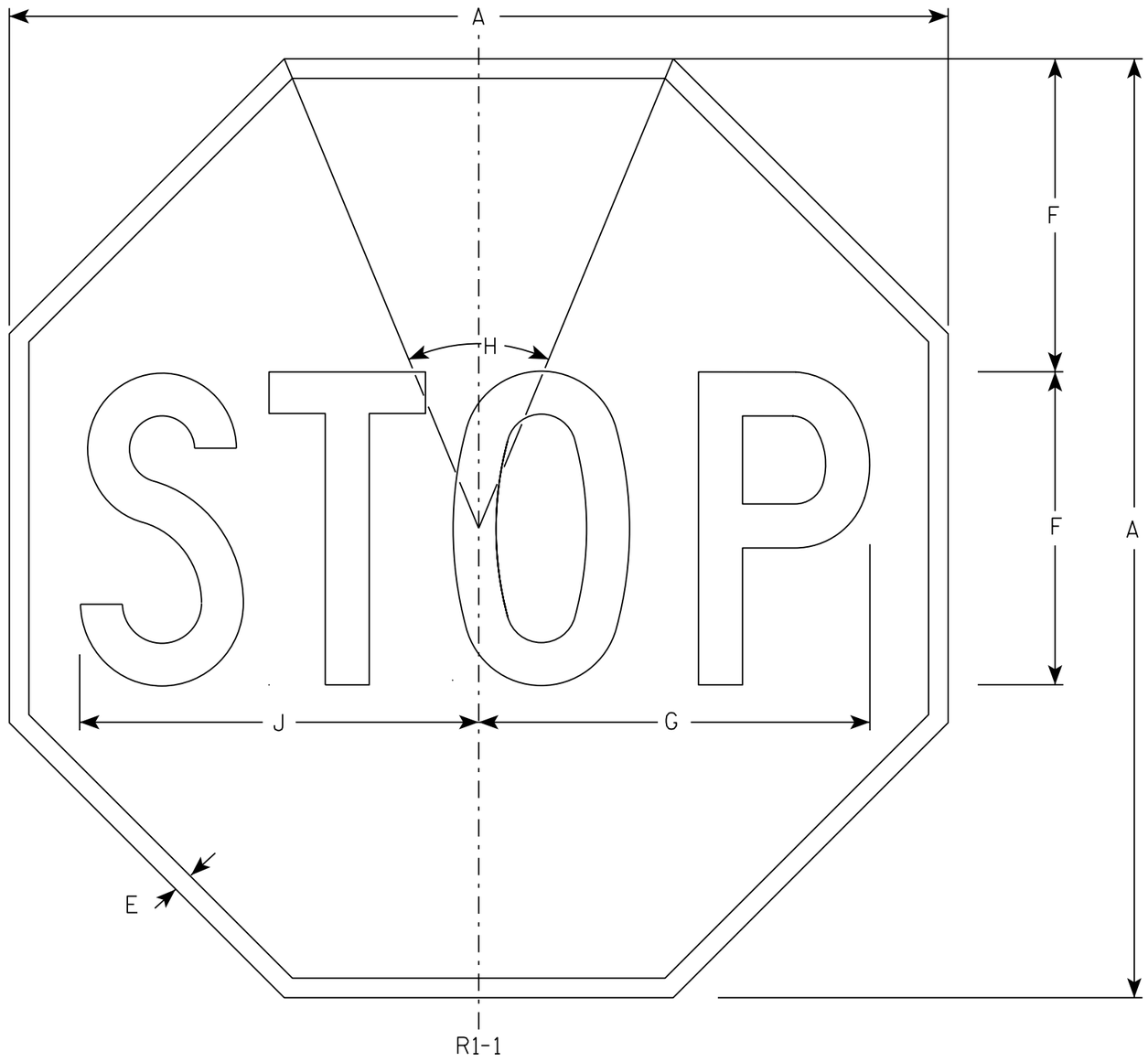
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 314 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

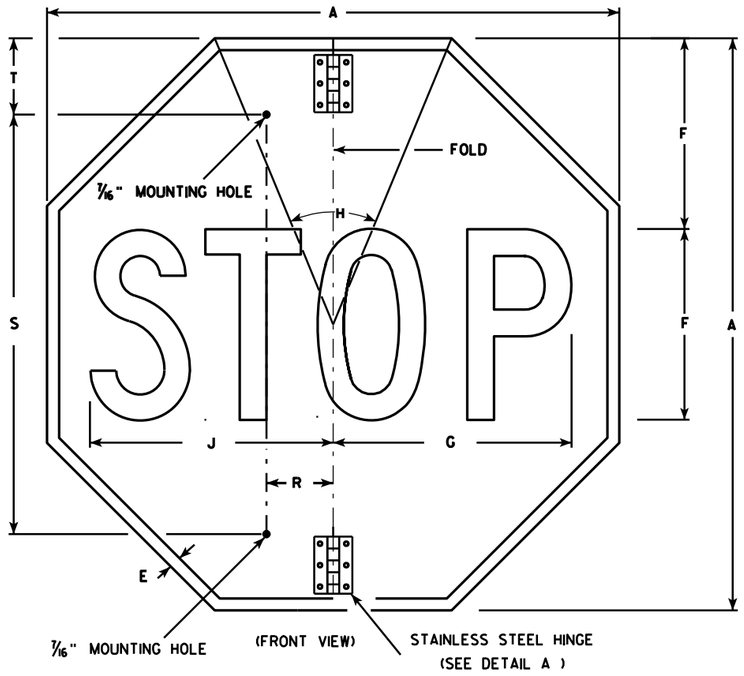
STANDARD SIGN
R1-1

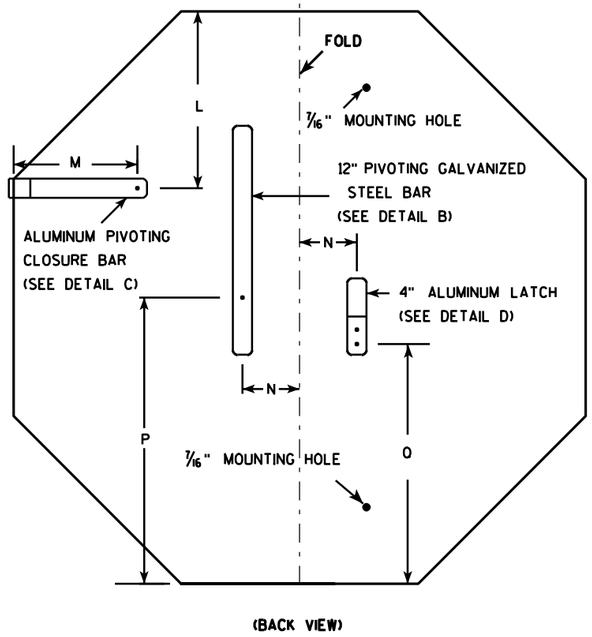
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

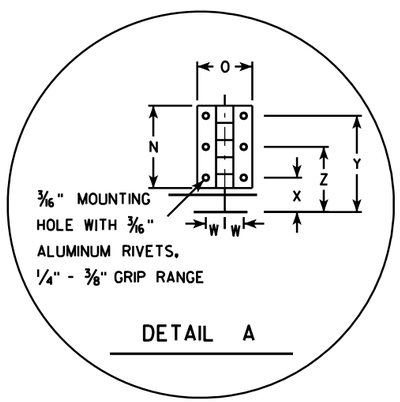
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 315	E



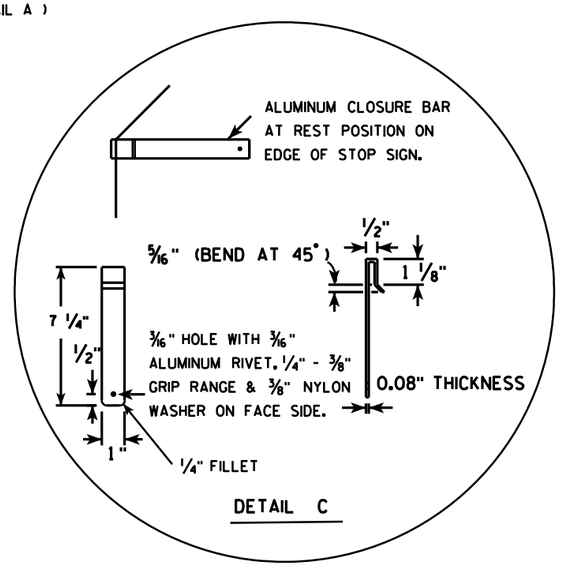


NOTES

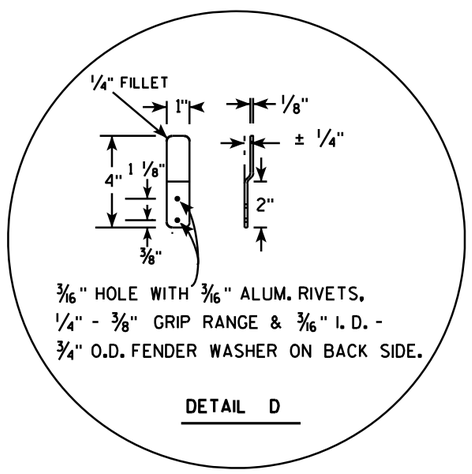
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



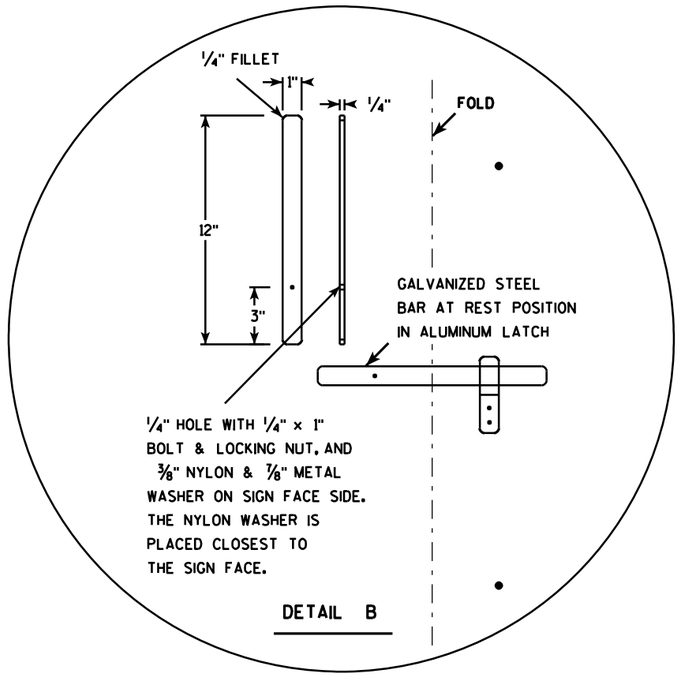
DETAIL A



DETAIL C



DETAIL D



DETAIL B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

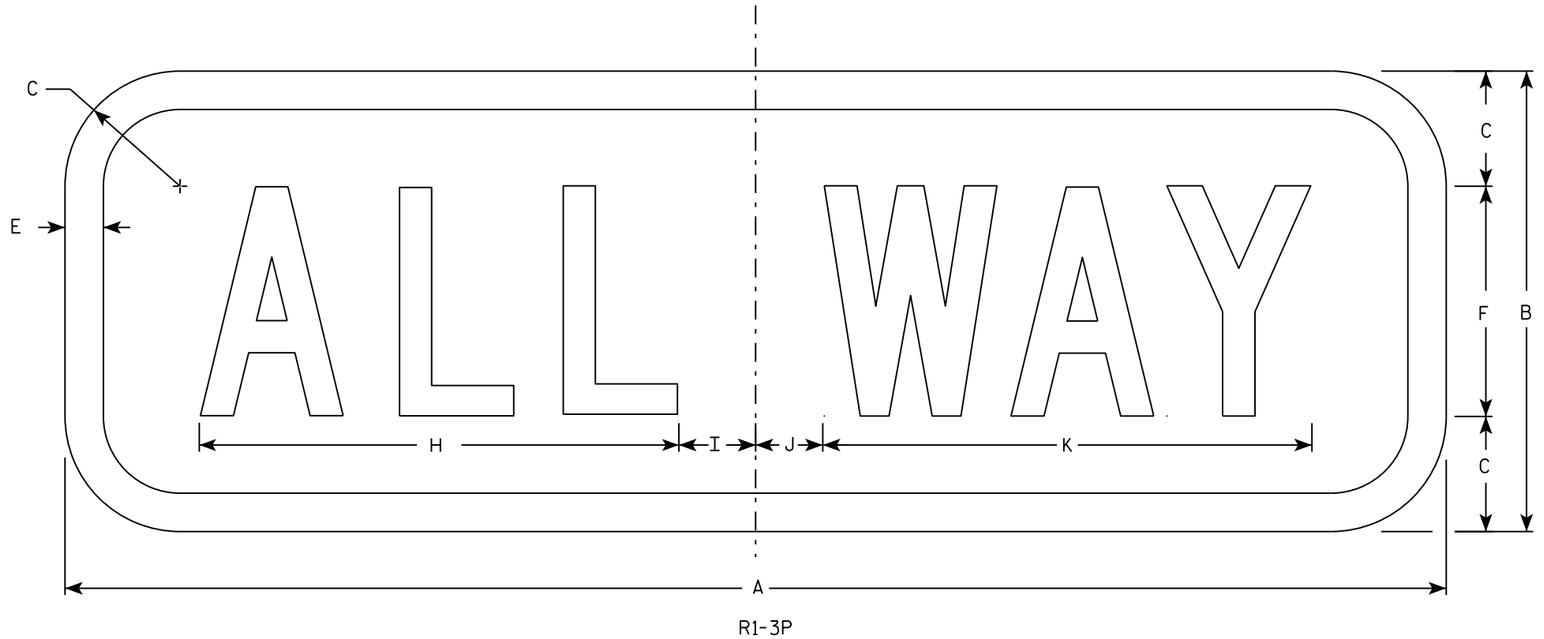
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 316 | E



R1-3P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

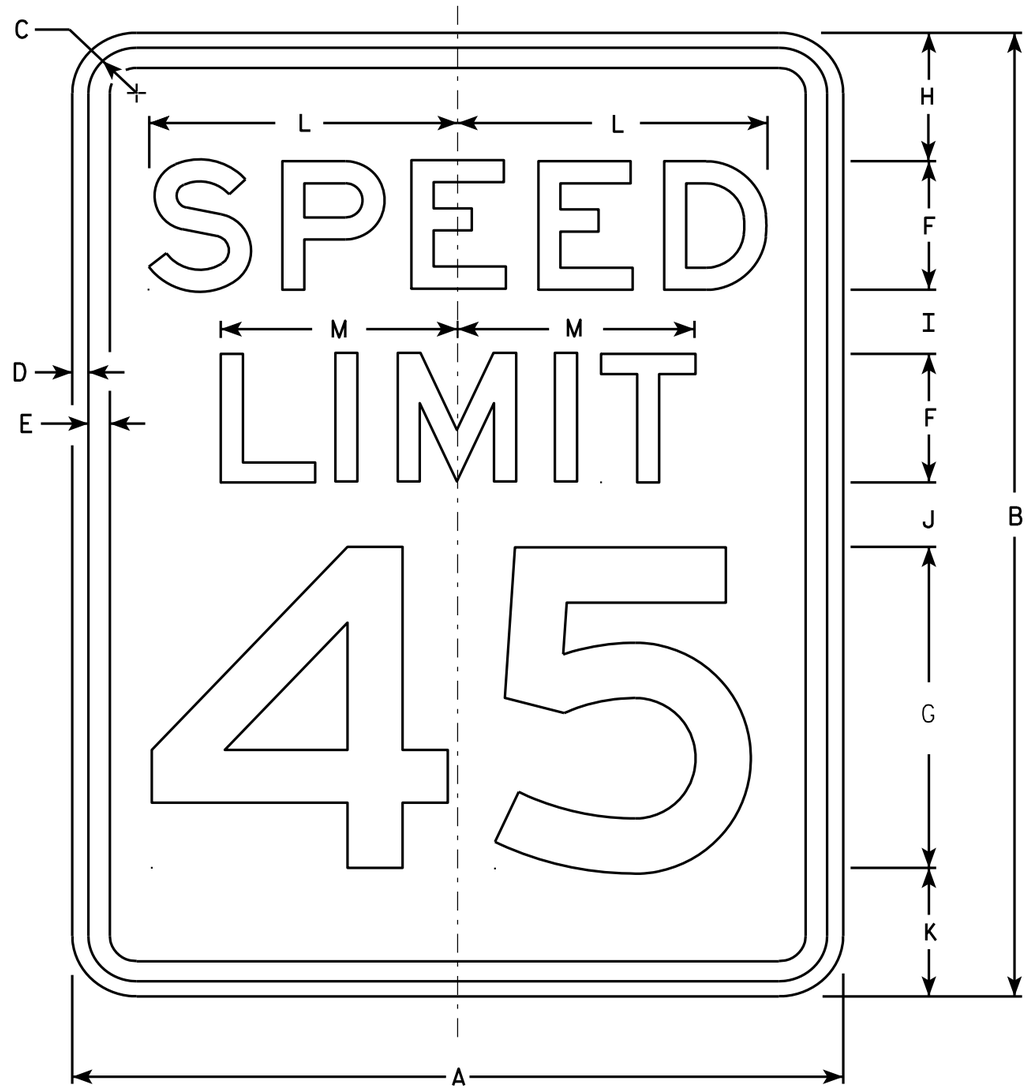
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 317 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

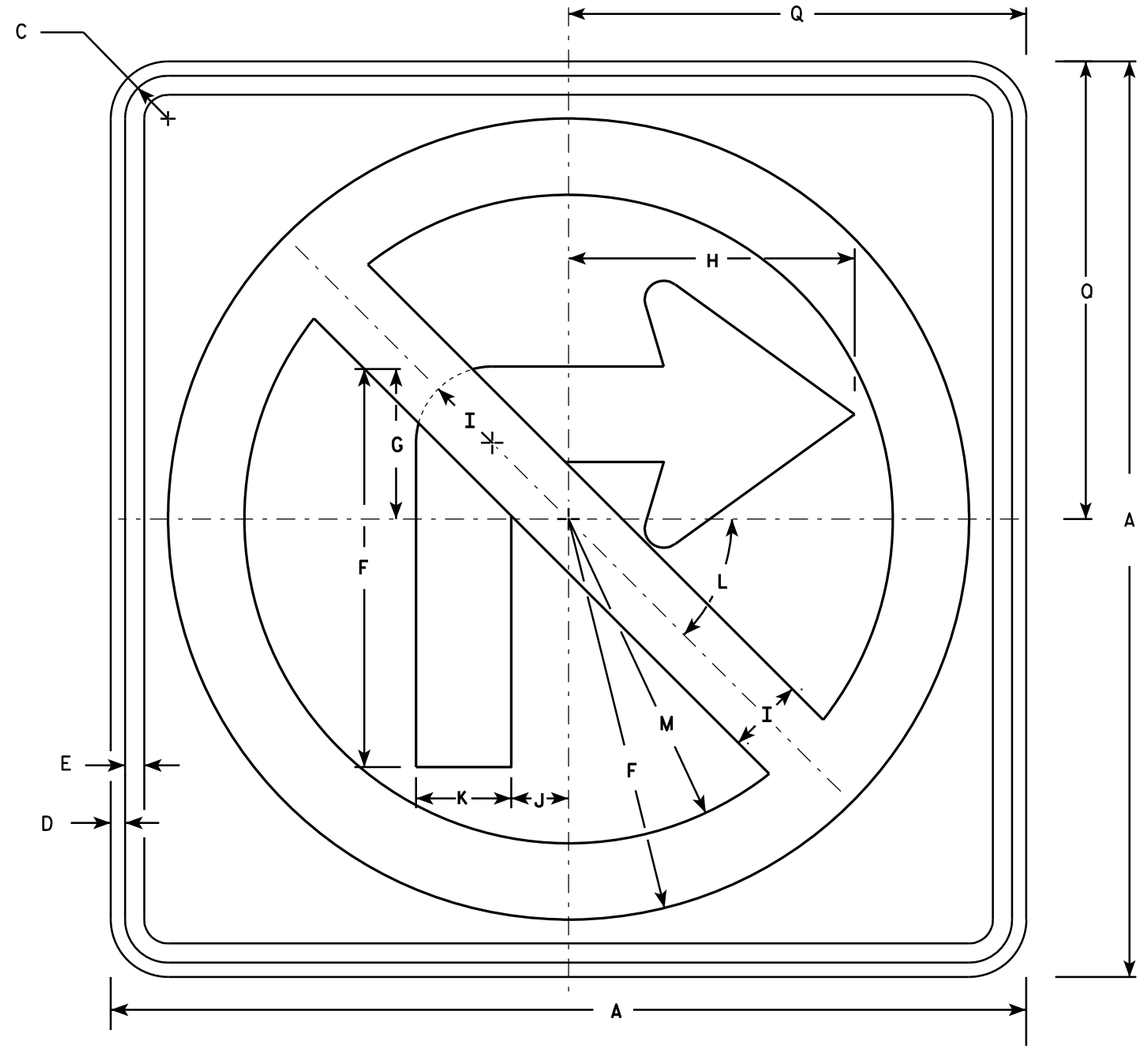
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

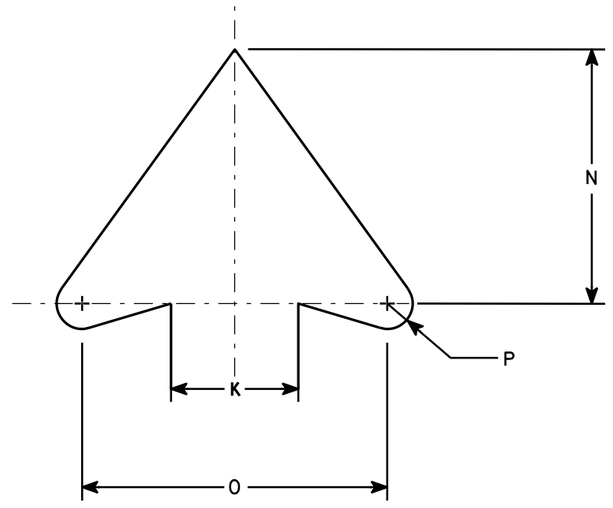
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

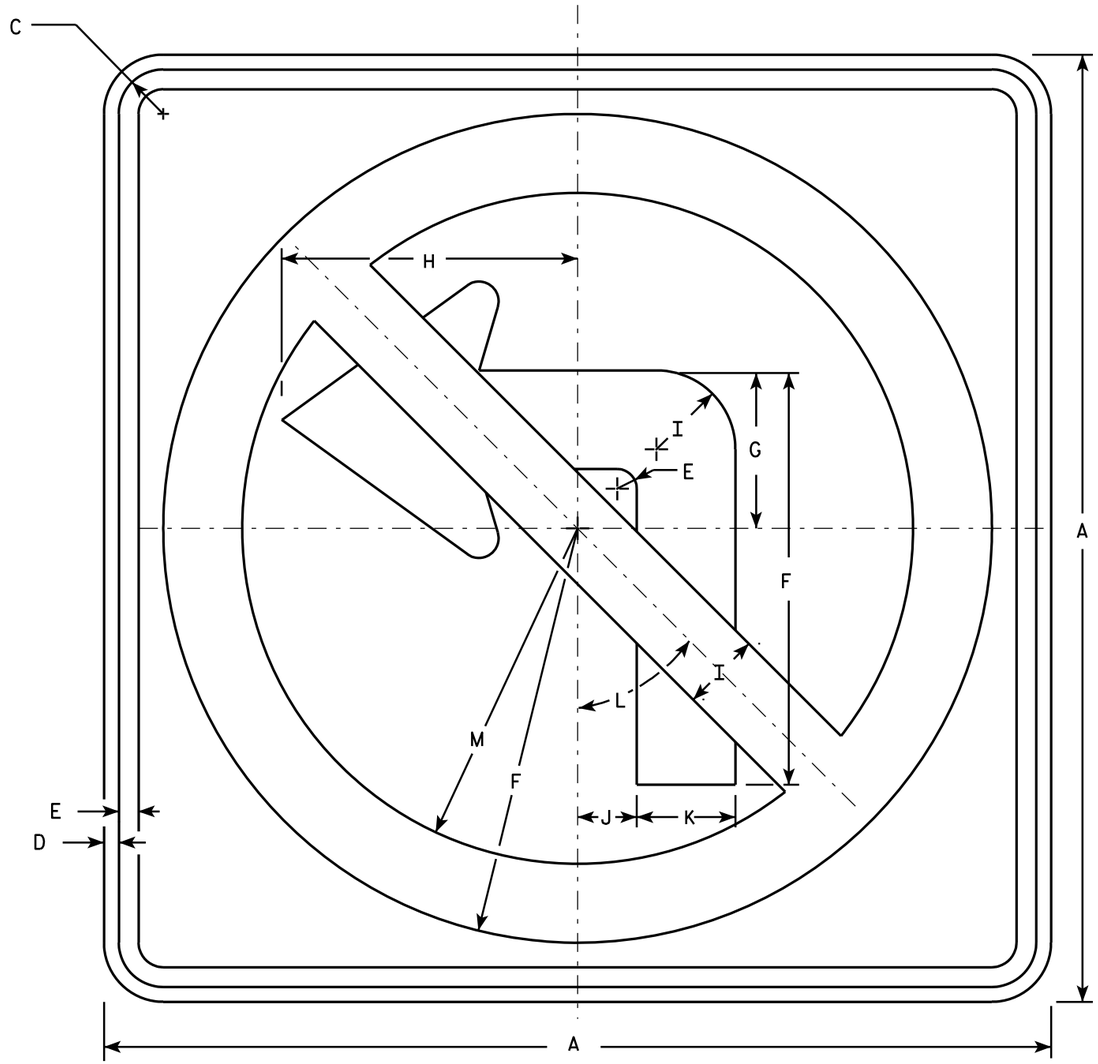
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

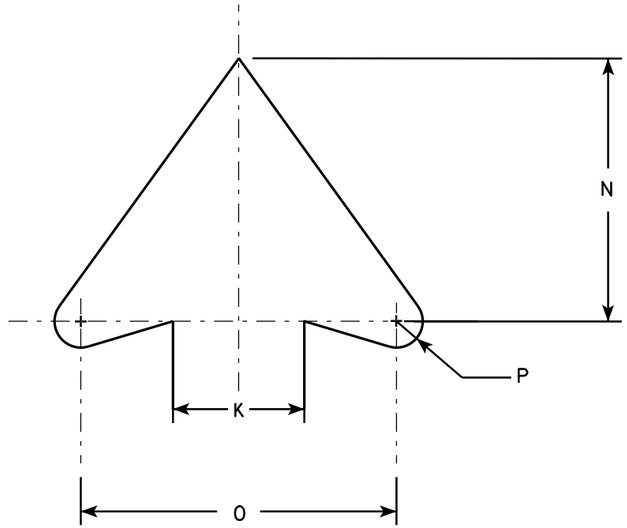
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 319	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

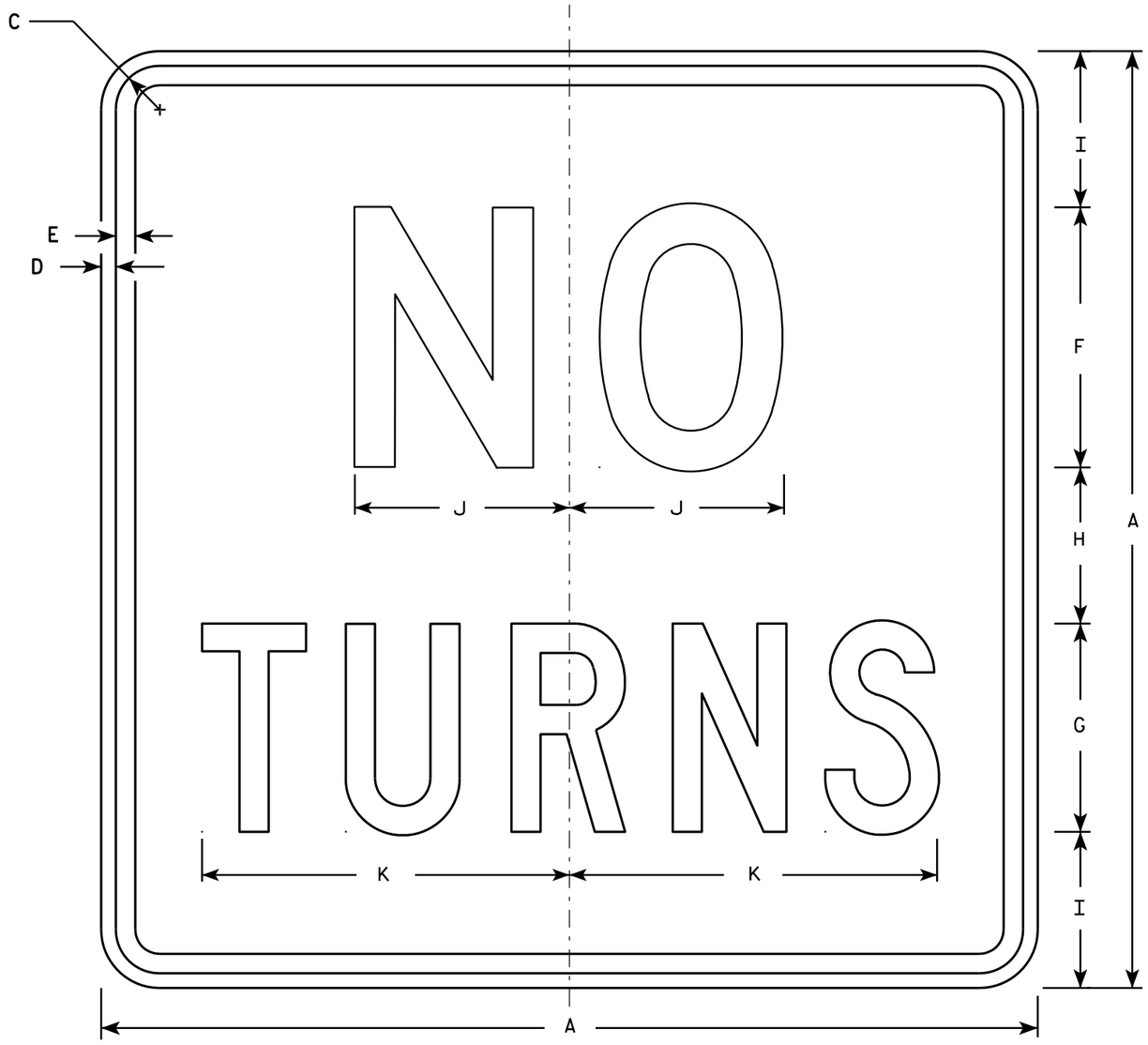
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R32.DGN PLOT DATE : 08-DEC-2010 14:41 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.760408:1.000000

WISDOT/CADDS SHEET 42



R3-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D and Line 2 is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	6	5	4	4 1/2	5 1/8	8 3/4																4.0
2M	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
3	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
4	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
5	48		2 1/4	3/4	1	12	10	8	9	10 1/4	17 5/8																16.0

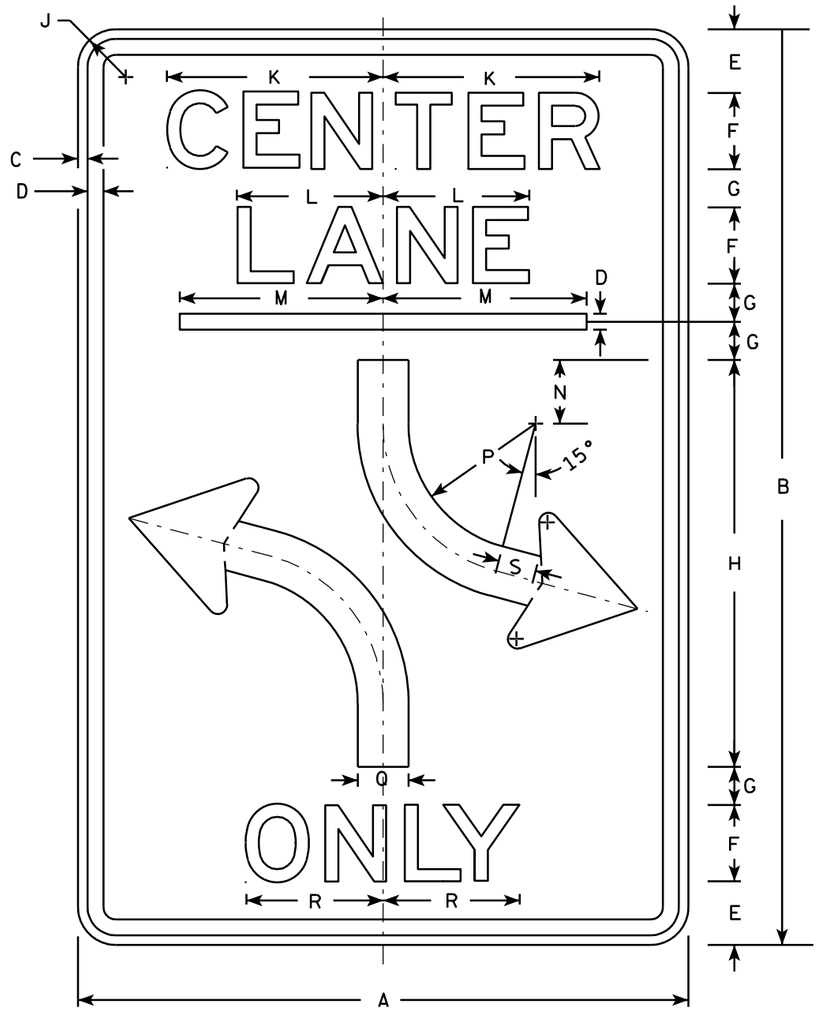
STANDARD SIGN
R3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-3.10

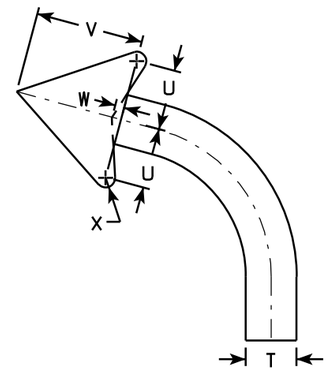
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

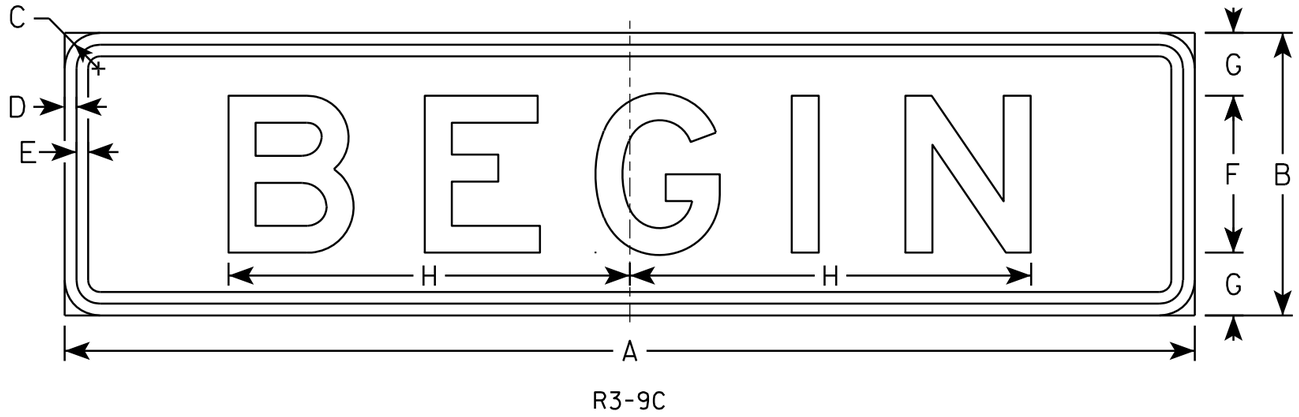
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

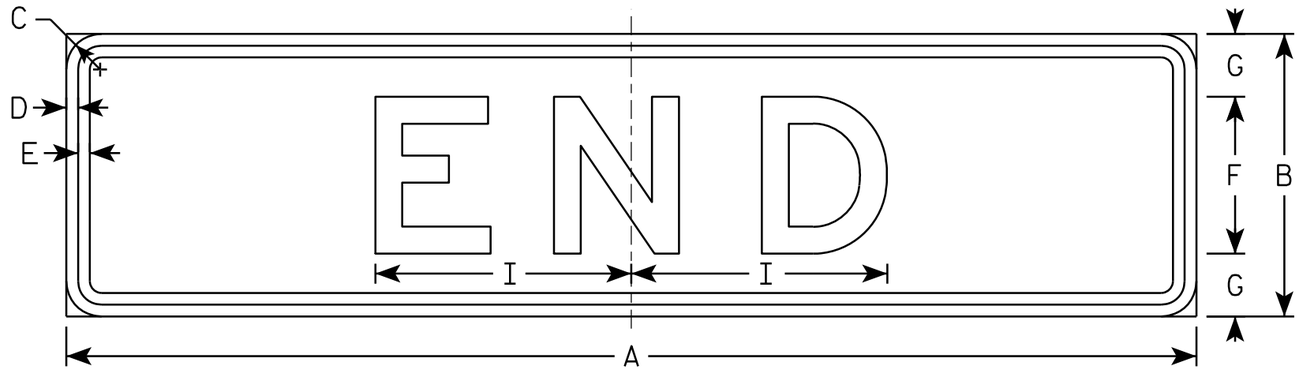
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 322	E



R3-9C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-9D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/8	3/8	3/8	5	2	12 3/4	8 1/8																		1.86
4																											
5																											

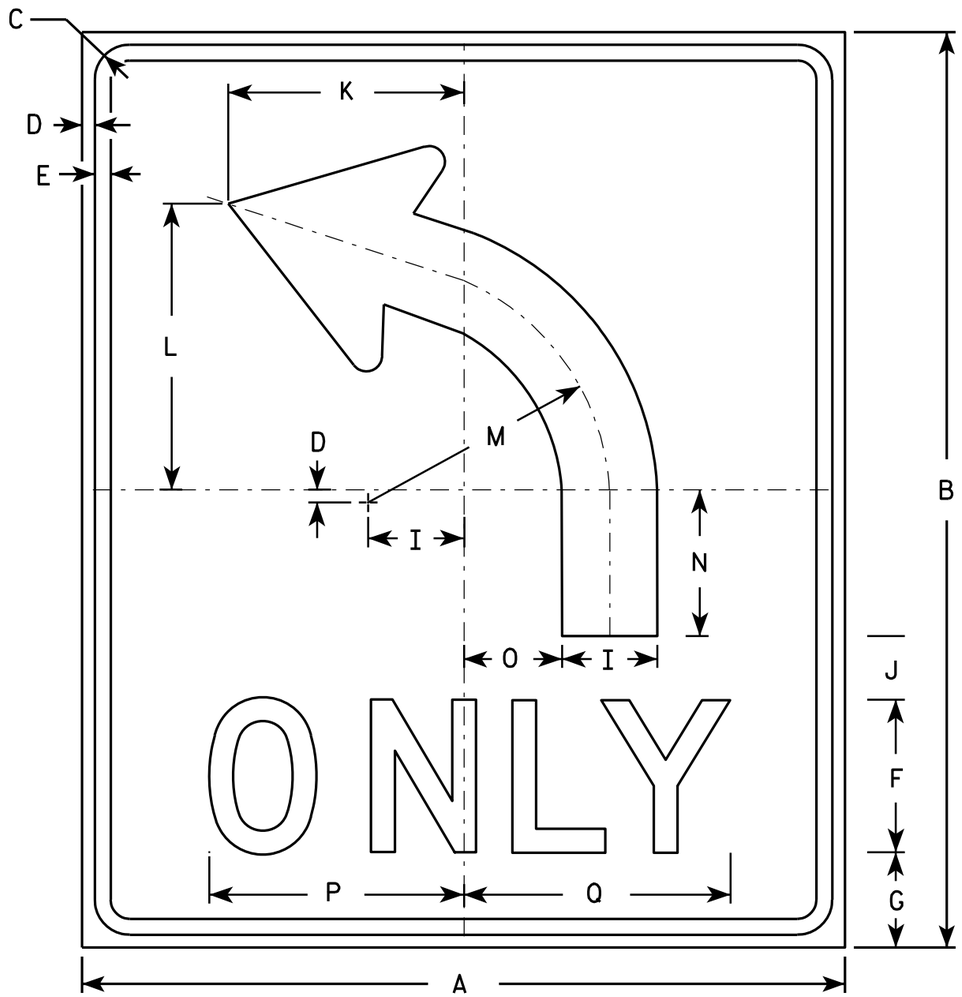
STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9C.2

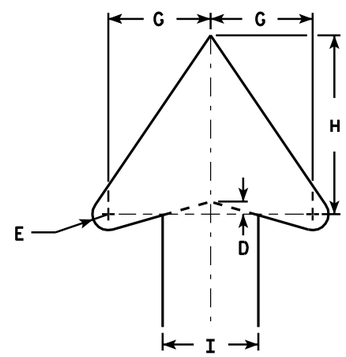
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



R3-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-50R is the same as R3-50L except curved portion of arrow points right.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

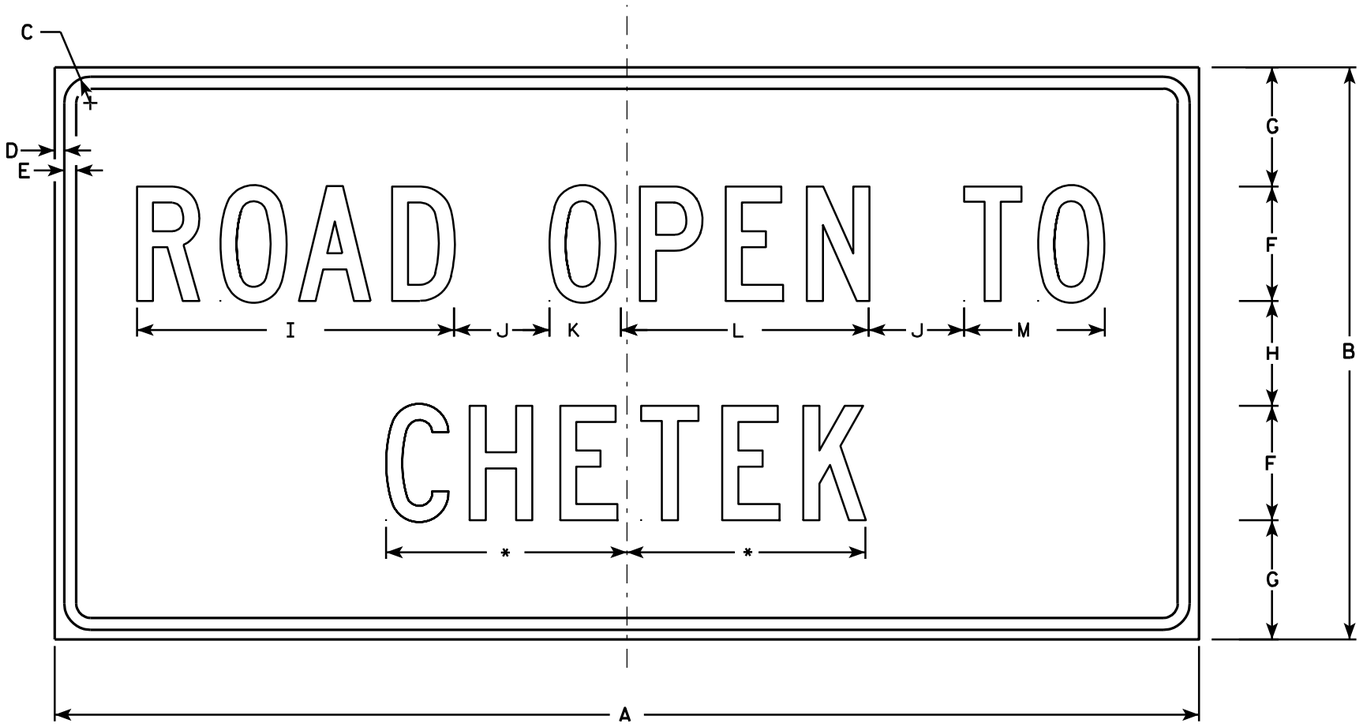
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 324 | E



R10-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate message and optically balance.

*See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

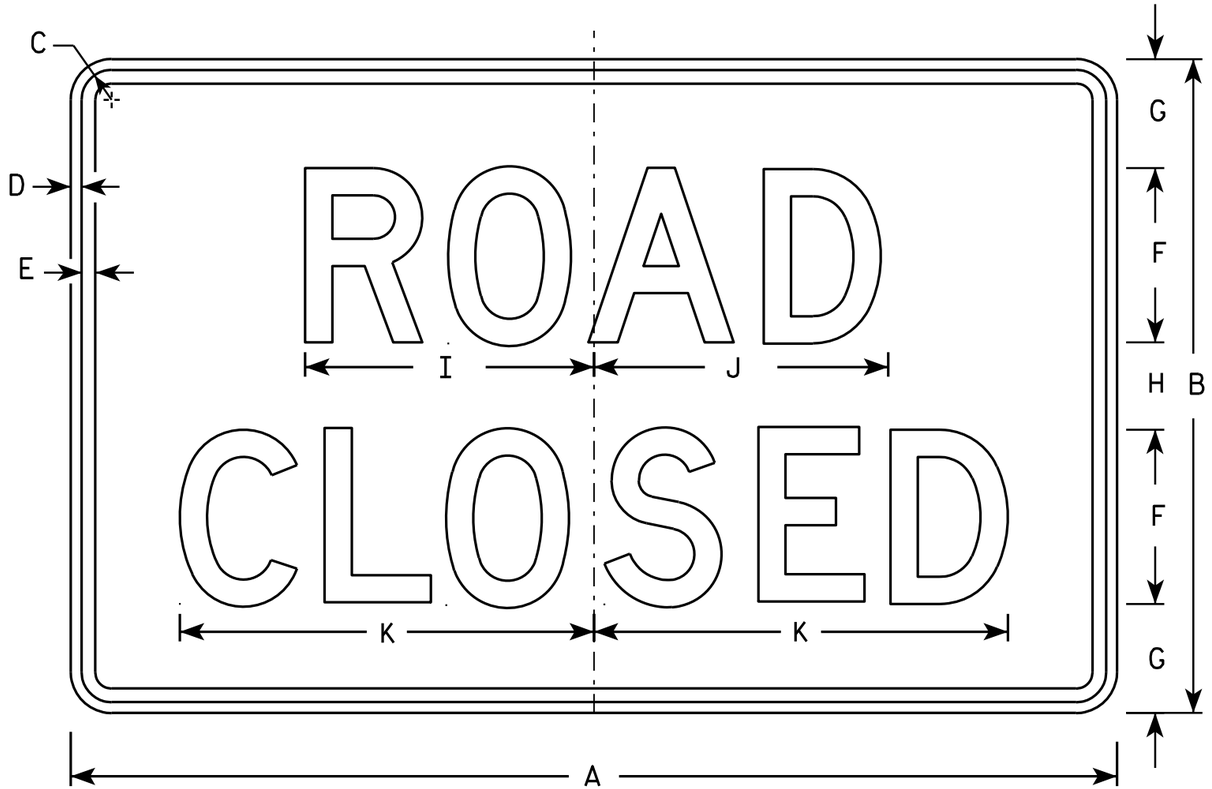
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

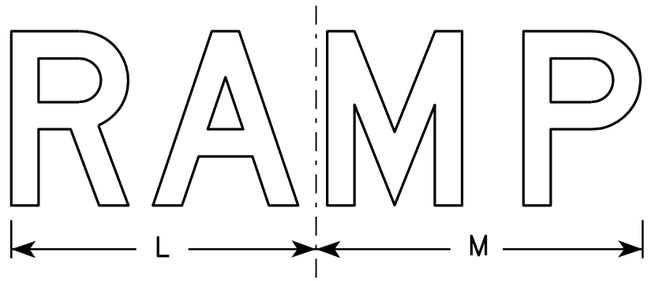
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 325	E



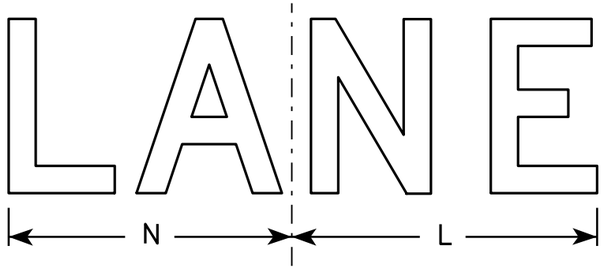
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

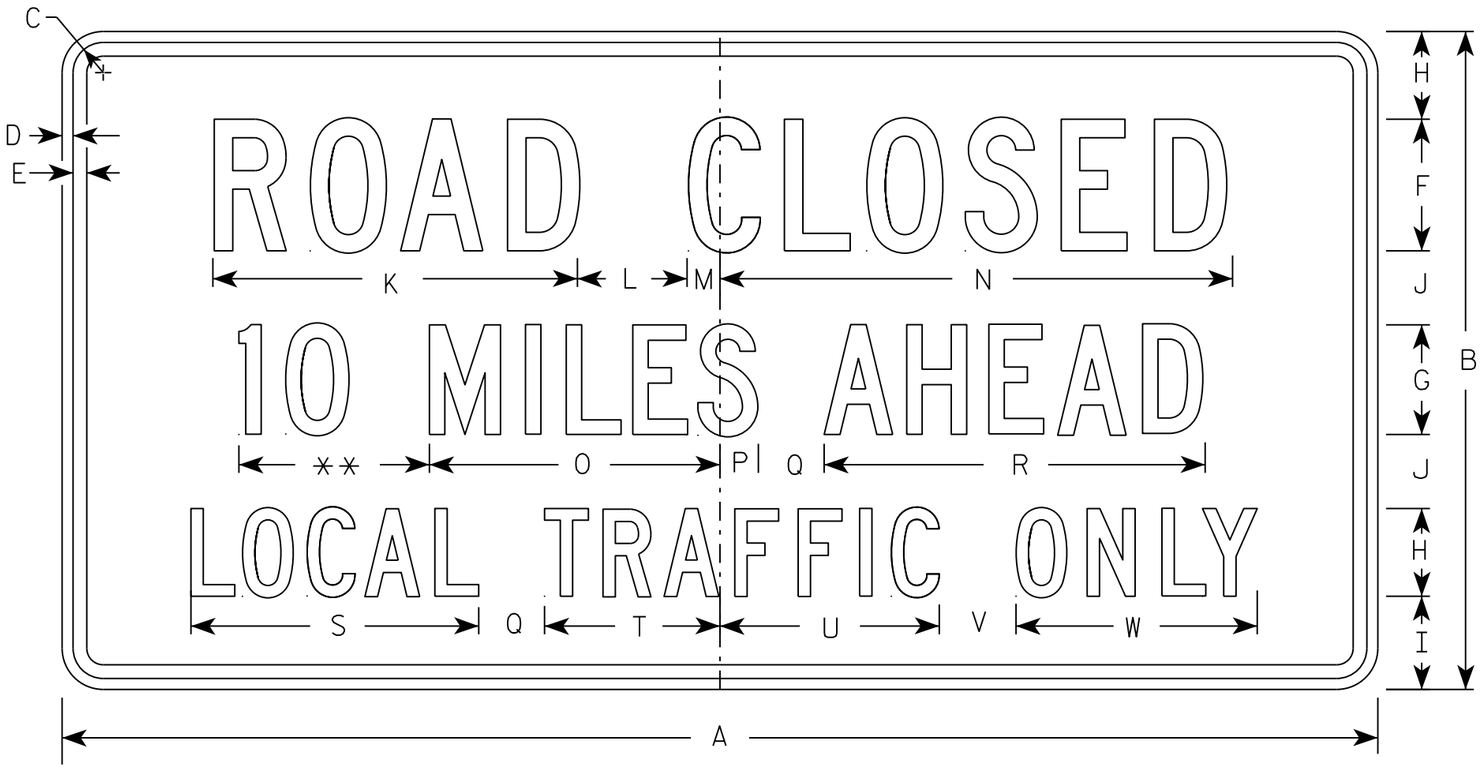
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 326	E

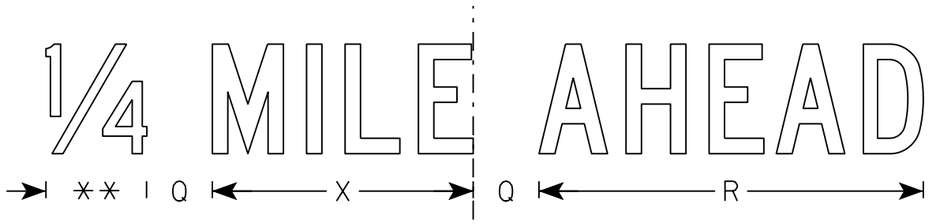
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

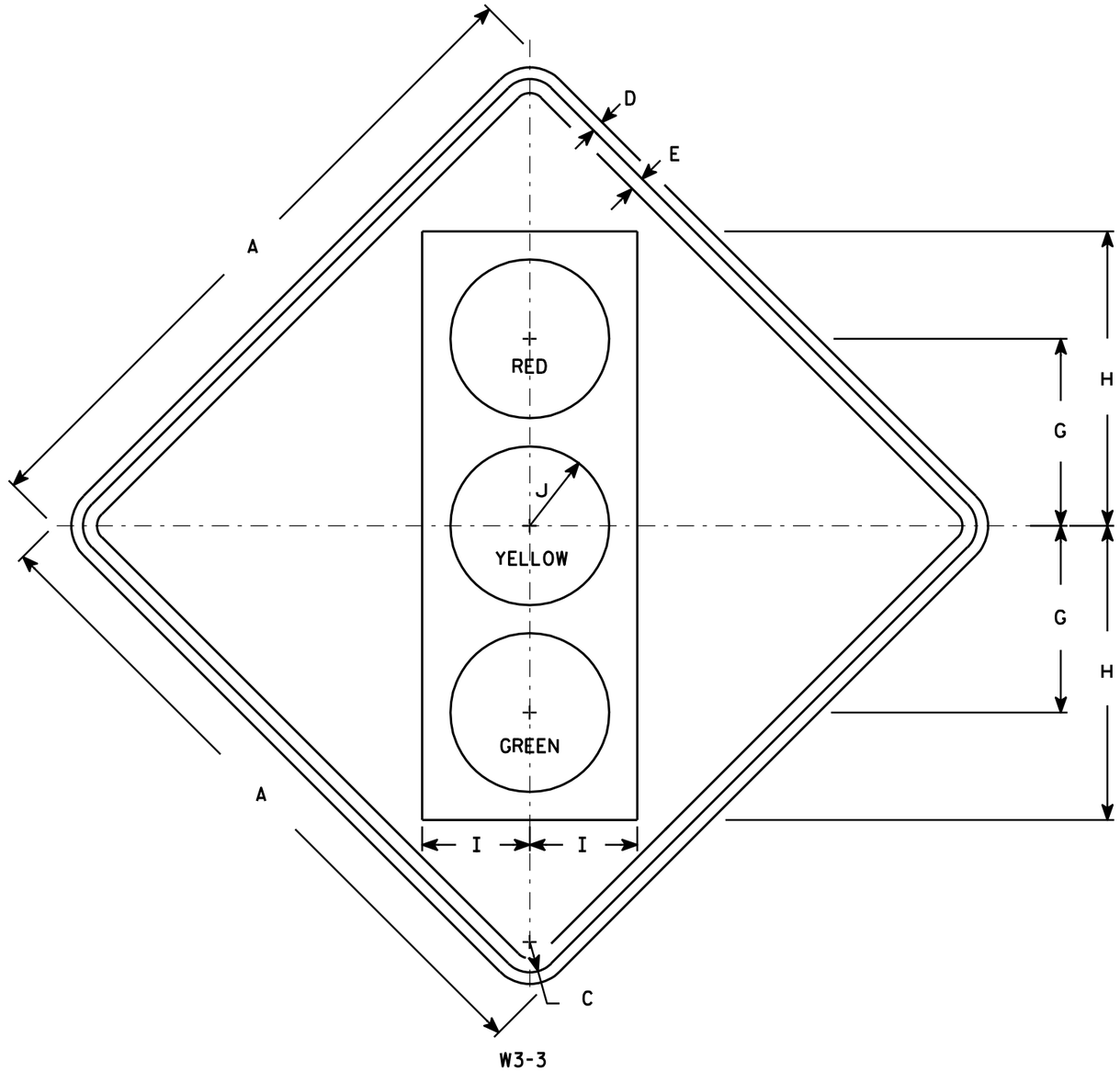
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 327	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

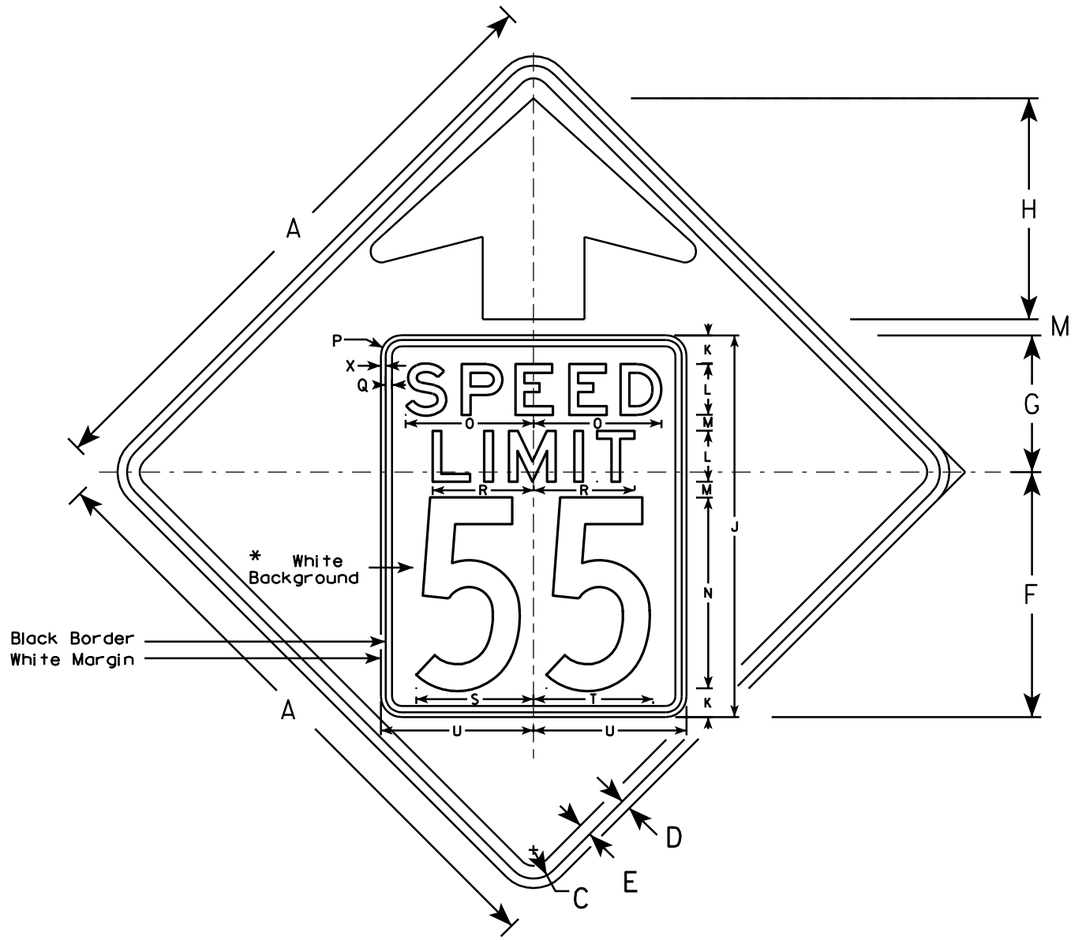
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 328 | E

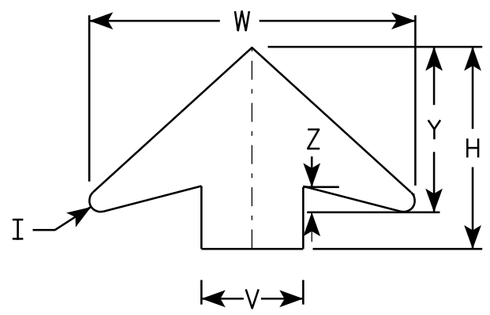


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

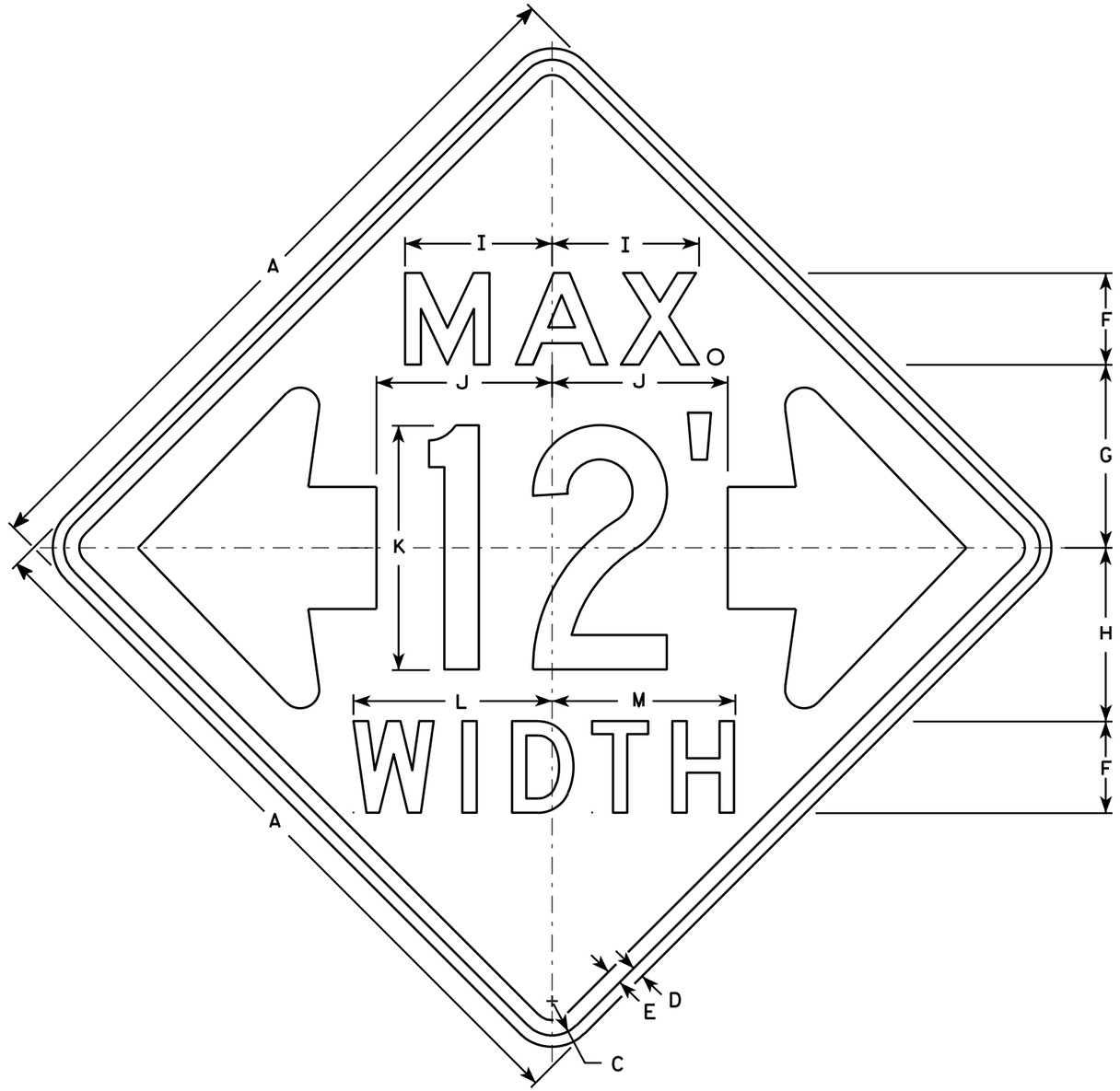
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

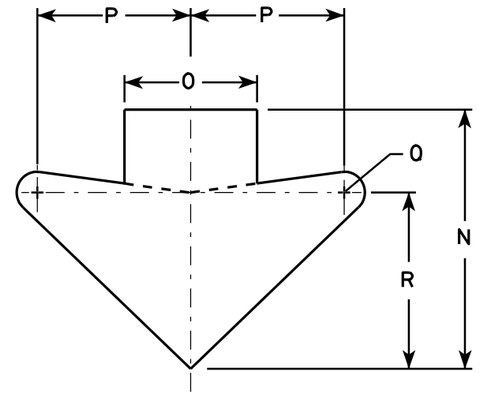
SHEET NO: 329 E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

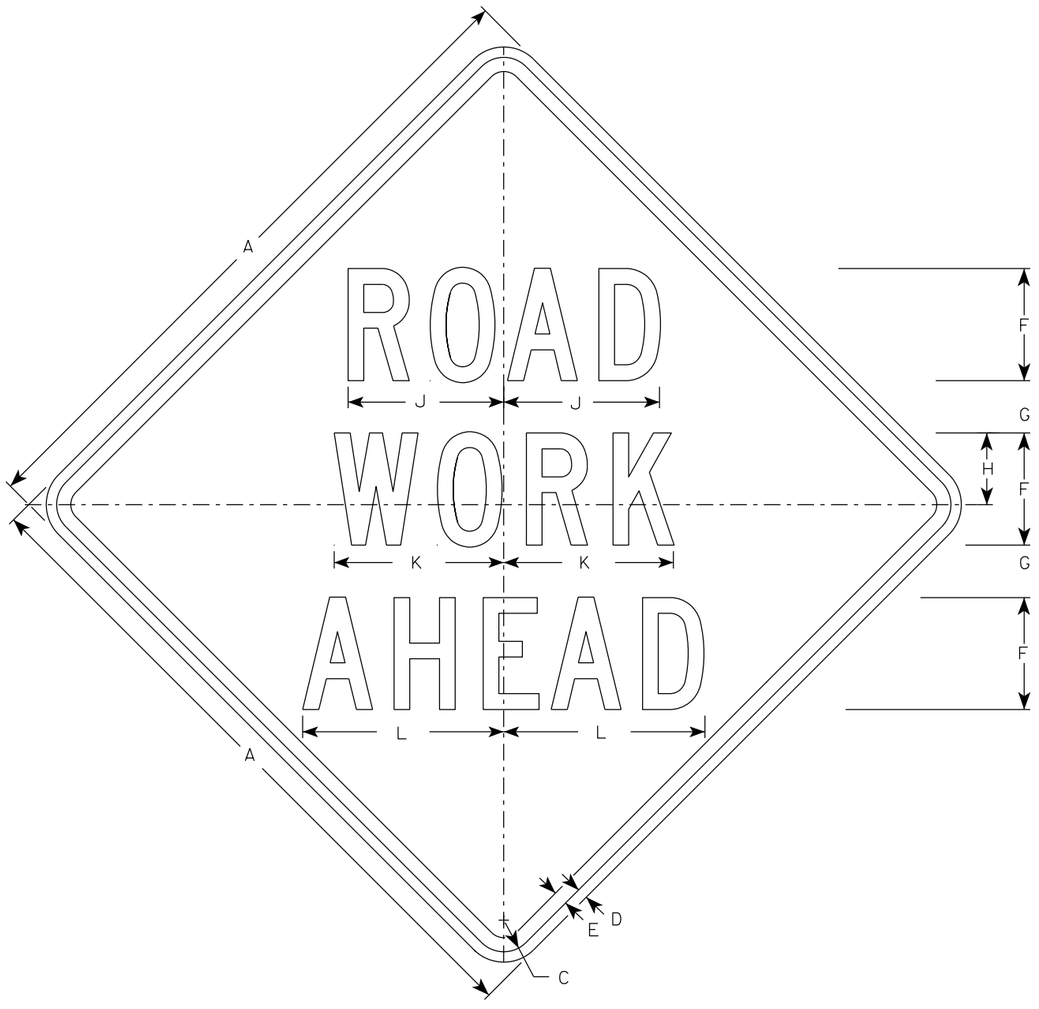
DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E

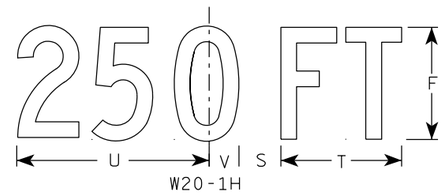
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42

NOTES

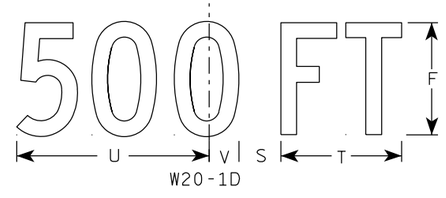
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



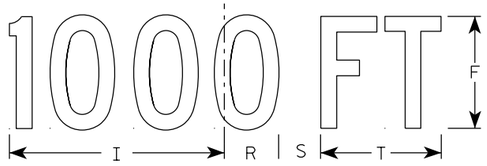
W20-1A



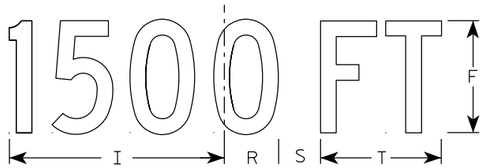
W20-1H



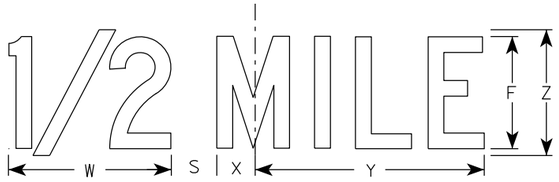
W20-1D



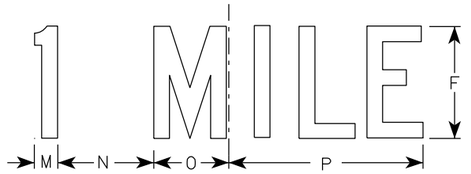
W20-1C



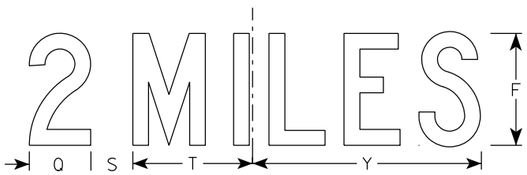
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

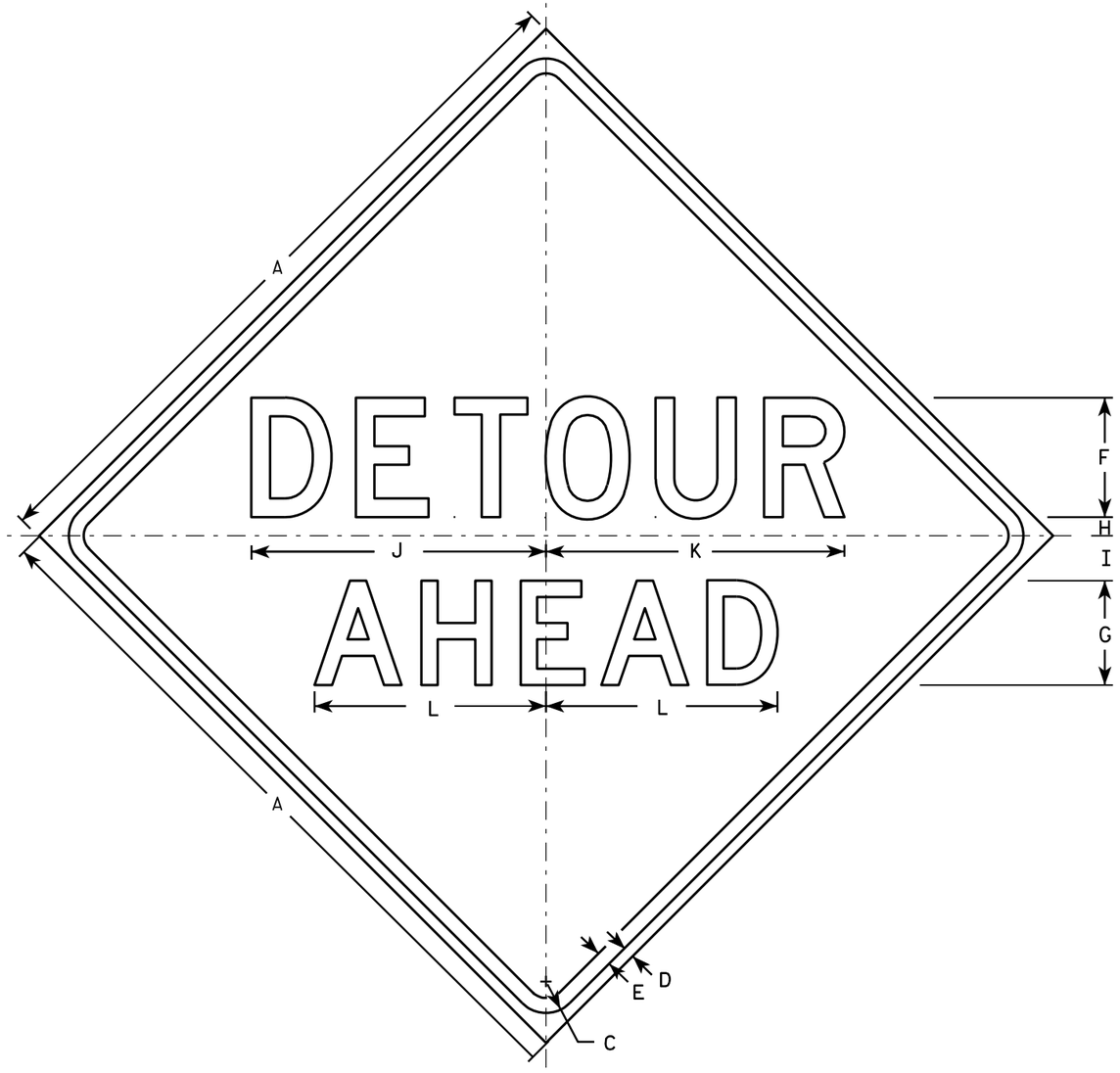
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

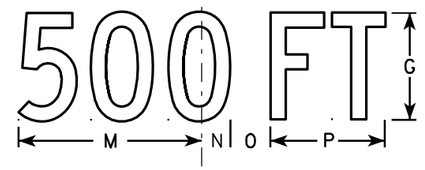
WISDOT/CADDS SHEET 42

7

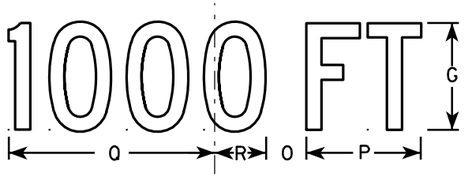
7



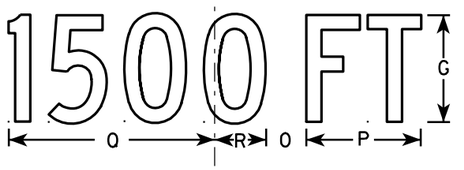
W20-2A



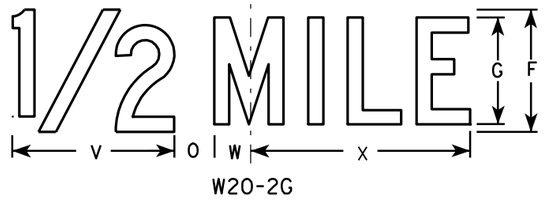
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

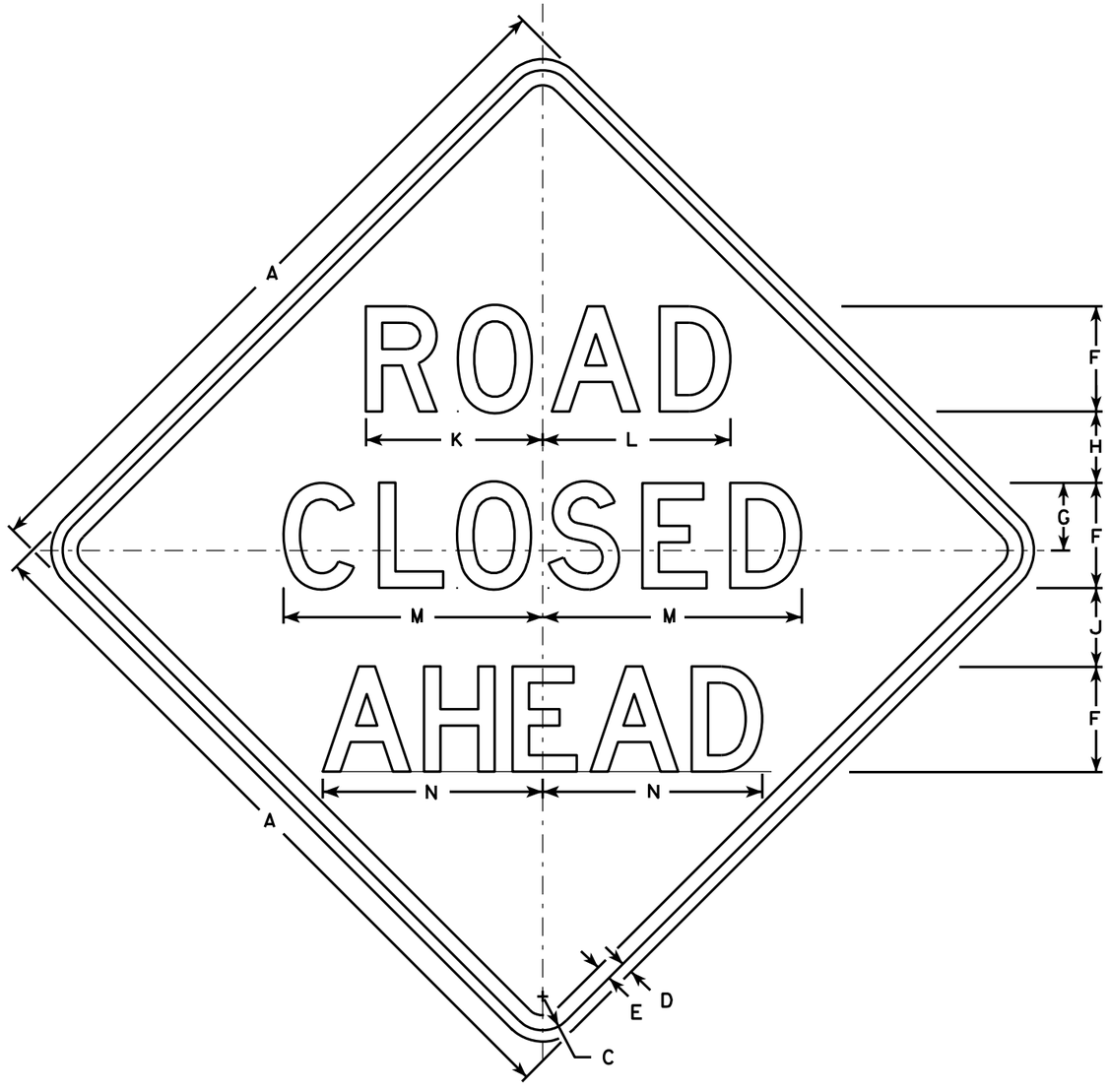
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

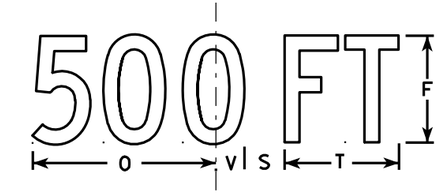
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

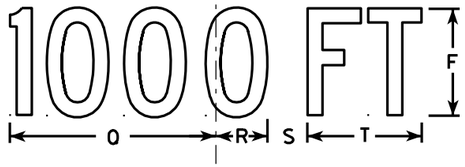
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 332	E



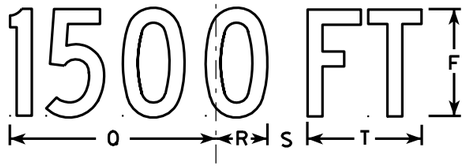
W20-3A



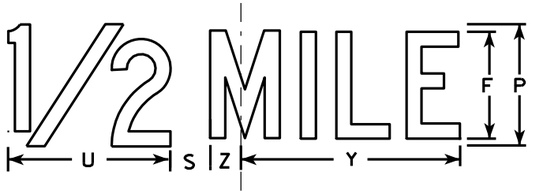
W20-3D



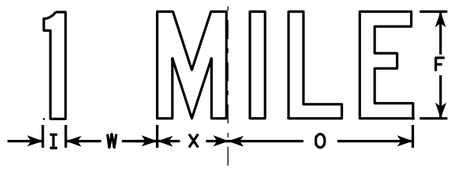
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

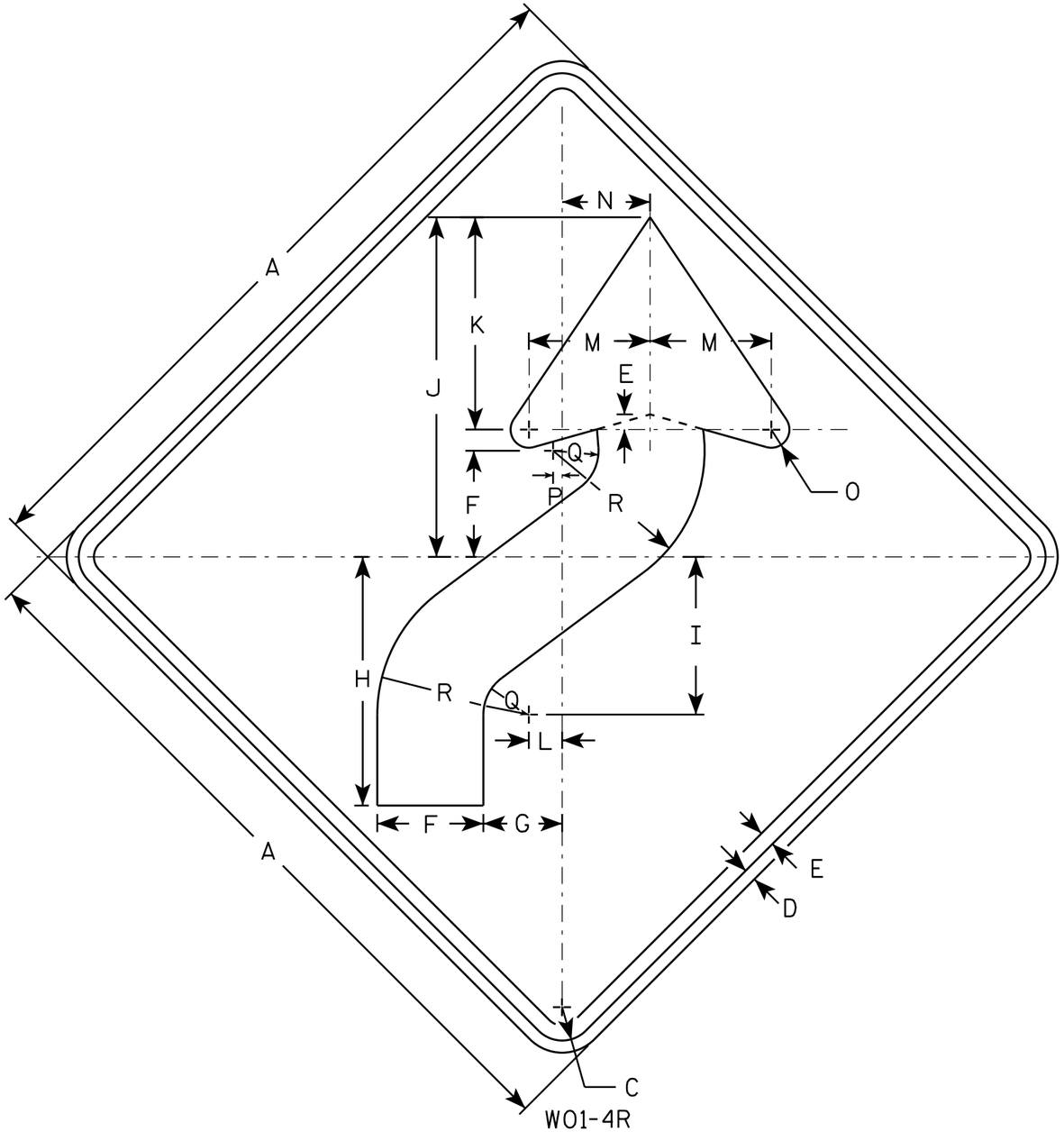
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

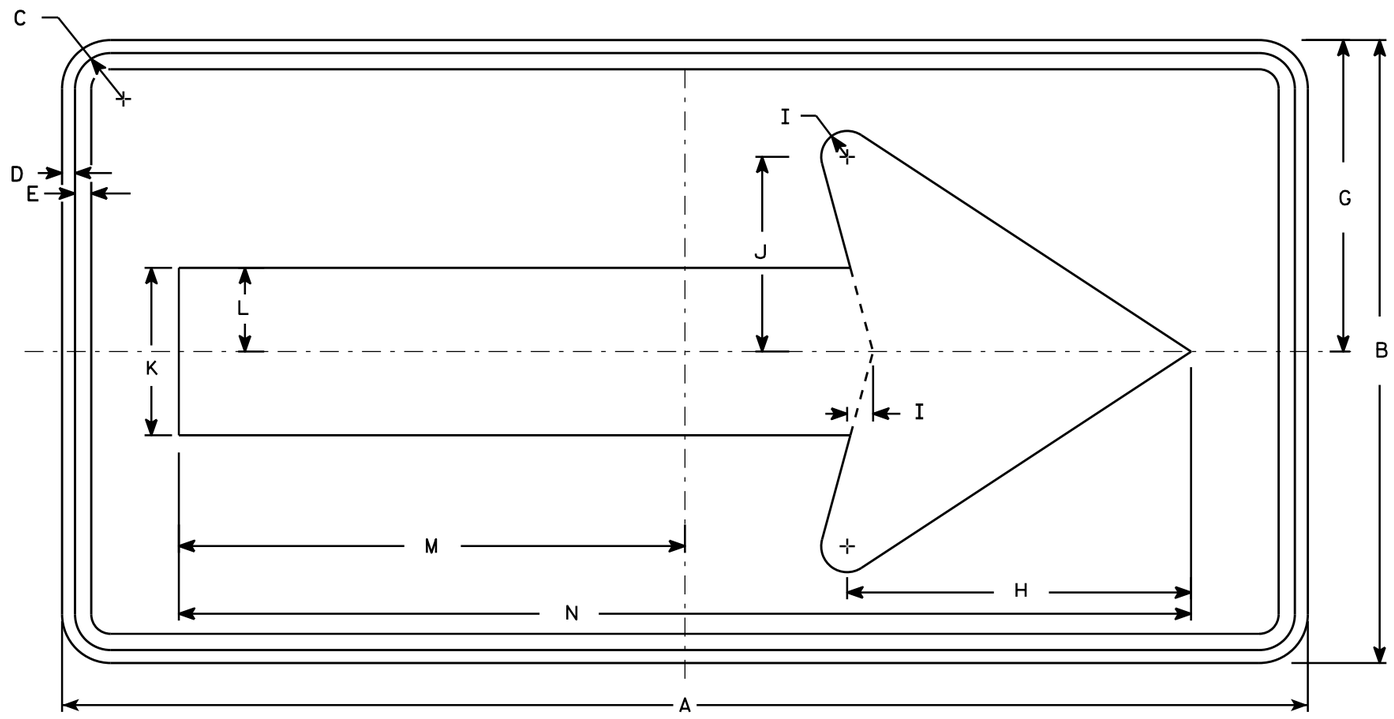
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

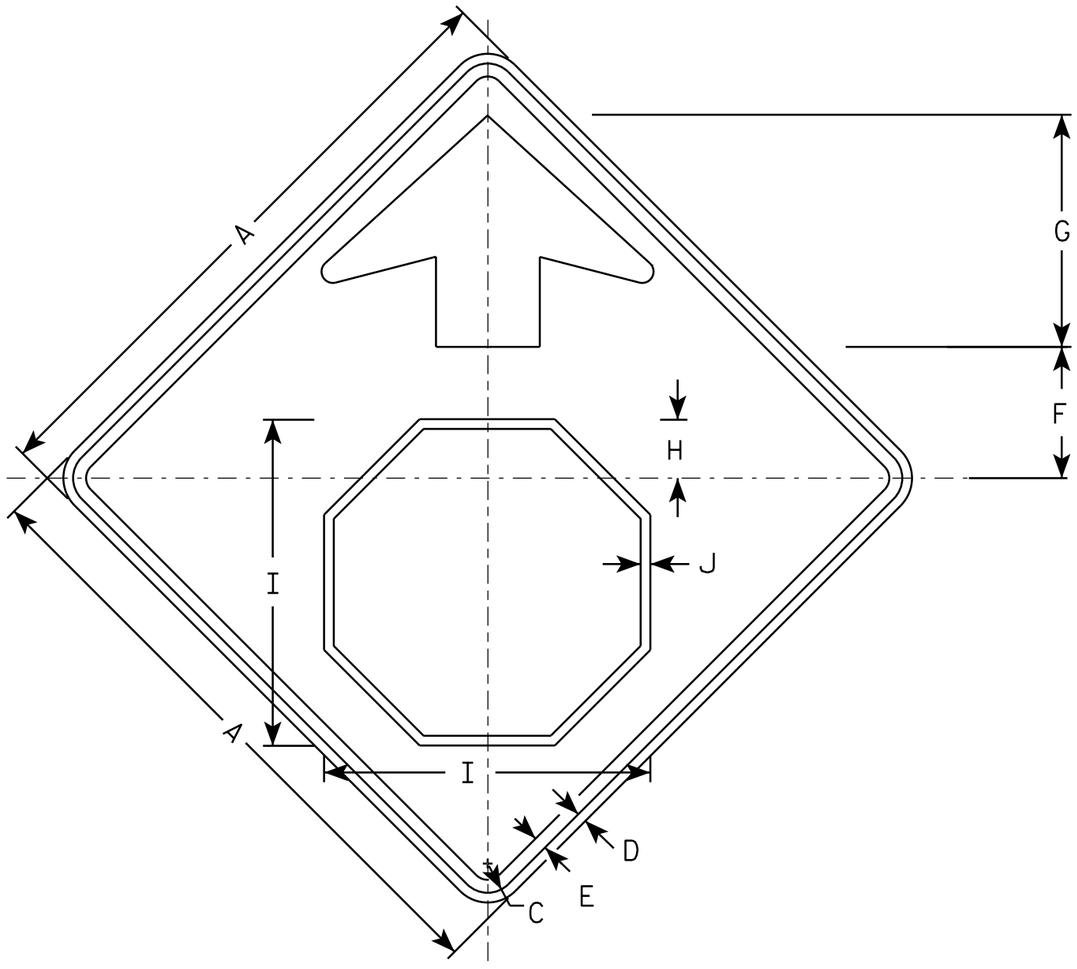
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

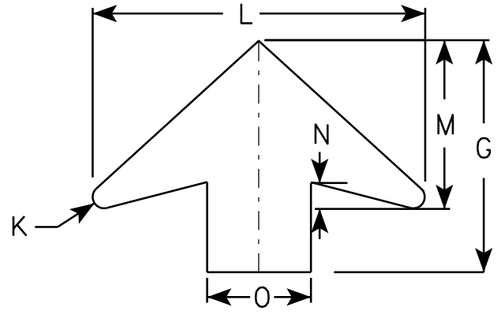
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

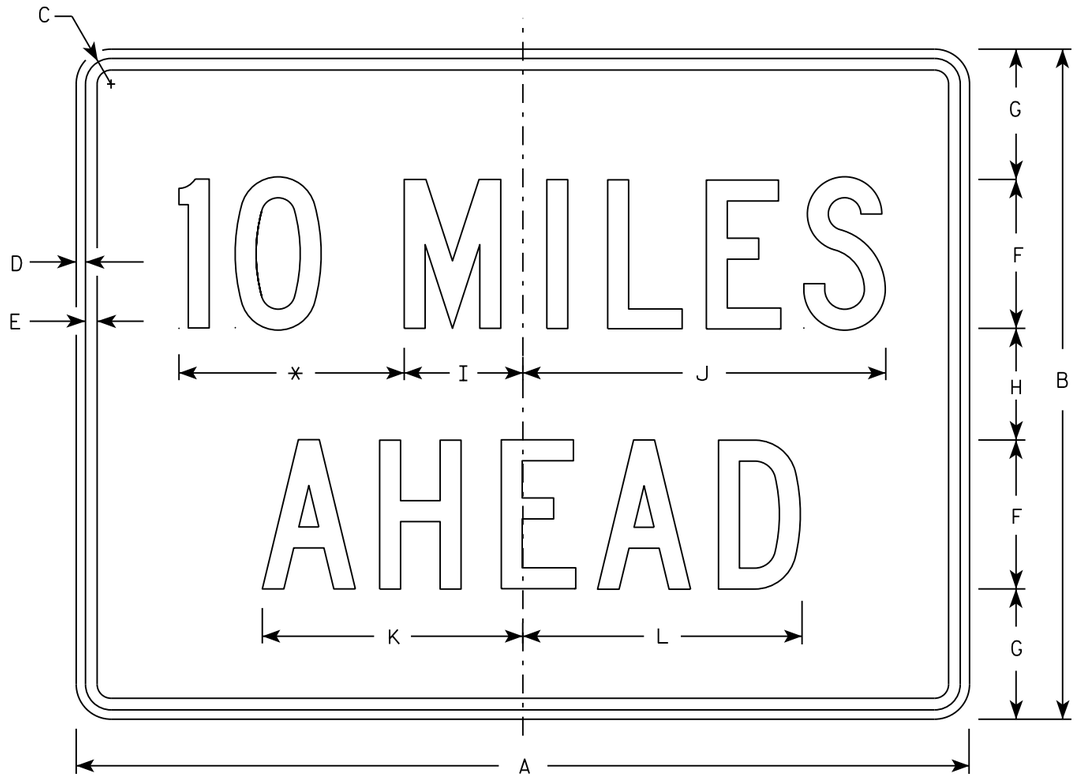
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

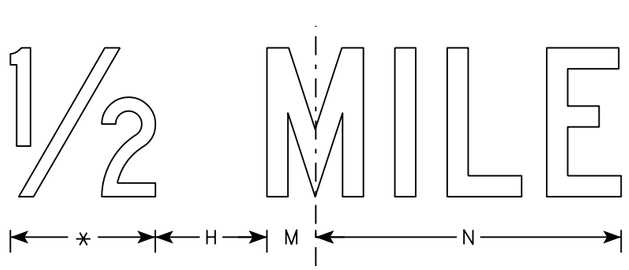
DATE 11/20/13 PLATE 336 03-1.1

PROJECT NO: | SHEET NO: E

7 7



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 337	E

EARTHWORK SUMMARY
USH 14 - STA. 6+10 TO STA. 47+42

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
06+10		0	0					
06+25	15	0	0	0	0	0	0	0
06+50	25	0	0	0	0	0	0	0
06+75	25	0	0	0	0	0	0	0
07+00	25	103	0	48	0	48	0	48
07+25	25	161	1	122	0	170	0	170
07+50	25	125	15	132	7	302	7	295
07+75	25	130	26	118	19	420	26	394
08+00	25	137	11	124	17	544	43	501
08+25	25	139	13	128	11	672	54	618
08+50	25	138	14	128	13	800	67	733
08+75	25	145	17	131	14	931	81	850
09+00	25	156	20	139	17	1,070	98	972
09+25	25	175	19	153	18	1,223	116	1,107
09+50	25	161	20	156	18	1,379	134	1,245
09+75	25	176	13	156	15	1,535	149	1,386
10+00	25	168	10	159	11	1,694	160	1,534
10+25	25	161	21	152	14	1,846	174	1,672
10+50	25	163	20	150	19	1,996	193	1,803
10+75	25	158	24	149	20	2,145	213	1,932
11+00	25	164	21	149	21	2,294	234	2,060
11+25	25	184	24	161	21	2,455	255	2,200
11+50	25	189	24	173	22	2,628	277	2,351
11+75	25	175	26	169	23	2,797	300	2,497
12+00	25	164	24	157	23	2,954	323	2,631
12+25	25	184	23	161	22	3,115	345	2,770
12+50	25	160	21	159	20	3,274	365	2,909
12+75	25	152	22	144	20	3,418	385	3,033
13+00	25	161	27	145	23	3,563	408	3,155
13+25	25	134	31	137	27	3,700	435	3,265
13+50	25	143	32	128	29	3,828	464	3,364
13+75	25	135	25	128	26	3,956	490	3,466
14+00	25	131	31	123	26	4,079	516	3,563
14+25	25	131	33	122	30	4,201	546	3,655
14+50	25	128	43	120	35	4,321	581	3,740
14+75	25	127	37	118	37	4,439	618	3,821
15+00	25	135	31	121	31	4,560	649	3,911
15+25	25	94	23	106	25	4,666	674	3,992
15+50	25	149	22	112	21	4,778	695	4,083
15+75	25	123	18	126	18	4,904	713	4,191
16+00	25	115	15	110	15	5,014	728	4,286
16+25	25	113	12	106	13	5,120	741	4,379
16+50	25	147	0	121	6	5,241	747	4,494
16+75	25	153	0	139	0	5,380	747	4,633
17+00	25	126	6	129	3	5,509	750	4,759
17+25	25	129	6	118	6	5,627	756	4,871
17+50	25	134	8	122	7	5,749	763	4,986
17+75	25	142	7	128	7	5,877	770	5,107
18+00	25	147	9	134	8	6,011	778	5,233
18+25	25	152	7	139	8	6,150	786	5,364

EARTHWORK SUMMARY CONTINUED
USH 14 - STA. 6+10 TO STA. 47+42

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
18+50	25	178	9	141	7	6,291	793	5,498
18+75	25	154	7	154	7	6,445	800	5,645
19+00	25	152	8	141	7	6,586	807	5,779
19+25	25	155	6	142	7	6,728	814	5,914
19+50	25	155	7	143	6	6,871	820	6,051
19+75	25	154	5	143	6	7,014	826	6,188
20+00	25	149	6	140	5	7,154	831	6,323
20+25	25	145	10	136	8	7,290	839	6,451
20+50	25	139	3	132	6	7,422	845	6,577
20+75	25	134	0	126	1	7,548	846	6,702
21+00	25	113	0	114	0	7,662	846	6,816
21+25	25	120	2	108	1	7,770	847	6,923
21+50	25	115	6	109	3	7,879	850	7,029
21+75	25	118	6	108	5	7,987	855	7,132
22+00	25	120	5	110	5	8,097	860	7,237
22+25	25	120	5	111	5	8,208	865	7,343
22+50	25	120	7	111	6	8,319	871	7,448
22+75	25	150	1	125	4	8,444	875	7,569
23+00	25	150	1	139	1	8,583	876	7,707
23+25	25	153	0	140	0	8,723	876	7,847
23+50	25	163	0	146	0	8,869	876	7,993
23+75	25	155	1	147	1	9,016	877	8,139
24+00	25	159	0	145	0	9,161	877	8,284
24+25	25	158	0	147	0	9,308	877	8,431
24+50	25	152	0	143	0	9,451	877	8,574
24+75	25	124	0	128	0	9,579	877	8,702
25+00	25	159	0	131	0	9,710	877	8,833
25+25	25	161	0	148	0	9,858	877	8,981
25+50	25	151	0	144	0	10,002	877	9,125
25+75	25	147	0	138	0	10,140	877	9,263
26+00	25	145	1	136	0	10,276	877	9,399
26+25	25	150	1	137	0	10,413	877	9,536
26+50	25	142	0	135	0	10,548	877	9,671
26+75	25	143	0	132	0	10,680	877	9,803
27+00	25	141	9	131	4	10,811	881	9,930
27+25	25	129	10	125	9	10,936	890	10,046
27+50	25	127	13	119	11	11,055	901	10,154
27+75	25	127	8	118	10	11,173	911	10,262
28+00	25	137	2	122	5	11,295	916	10,379
28+25	25	125	3	121	2	11,416	918	10,498
28+50	25	151	0	127	2	11,543	920	10,623
28+75	25	101	0	116	0	11,659	920	10,739
29+00	25	144	0	113	0	11,772	920	10,852
29+25	25	129	3	127	1	11,899	921	10,978
29+50	25	137	0	123	1	12,022	922	11,100
29+75	25	129	0	123	0	12,145	922	11,223
30+00	25	124	5	117	2	12,262	924	11,338
30+25	25	122	7	114	6	12,376	930	11,446
30+50	25	120	3	112	5	12,488	935	11,553
30+75	25	132	1	117	2	12,605	937	11,668

EARTHWORK SUMMARY CONTINUED
USH 14 - STA. 6+10 TO STA. 47+42

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
31+00	25	127	2	122	1	12,727	938	11,789
31+25	25	125	3	117	3	12,844	941	11,903
31+50	25	132	1	119	2	12,963	943	12,020
31+75	25	114	6	114	3	13,077	946	12,131
32+00	25	110	6	103	5	13,180	951	12,229
32+25	25	129	1	111	3	13,291	954	12,337
32+50	25	91	0	102	1	13,393	955	12,438
32+75	25	81	0	80	0	13,473	955	12,518
33+00	25	153	1	108	1	13,581	956	12,625
33+25	25	118	2	125	2	13,706	958	12,748
33+50	25	122	3	111	2	13,817	960	12,857
33+75	25	129	3	116	2	13,933	962	12,971
34+00	25	138	0	123	1	14,056	963	13,093
34+25	25	135	3	126	2	14,182	965	13,217
34+50	25	131	3	123	3	14,305	968	13,337
34+75	25	134	4	123	3	14,428	971	13,457
35+00	25	132	4	123	4	14,551	975	13,576
35+25	25	144	4	128	4	14,679	979	13,700
35+50	25	152	1	137	2	14,816	981	13,835
35+75	25	150	0	139	1	14,955	982	13,973
36+00	25	155	0	141	0	15,096	982	14,114
36+25	25	164	0	148	0	15,244	982	14,262
36+50	25	159	1	150	1	15,394	983	14,411
36+75	25	164	1	150	1	15,544	984	14,560
37+00	25	169	0	154	1	15,698	985	14,713
37+25	25	170	1	157	1	15,855	986	14,869
37+50	25	166	1	156	1	16,011	987	15,024
37+75	25	161	0	152	0	16,163	987	15,176
38+00	25	150	1	144	1	16,307	988	15,319
38+25	25	150	1	139	1	16,446	989	15,457
38+50	25	143	4	136	3	16,582	992	15,590
38+75	25	139	7	131	5	16,713	997	15,716
39+00	25	138	8	128	7	16,841	1,004	15,837
39+25	25	138	12	128	10	16,969	1,014	15,955
39+50	25	141	11	129	11	17,098	1,025	16,073
39+75	25	150	2	135	6	17,233	1,031	16,202
40+00	25	134	0	131	1	17,364	1,032	16,332
40+25	25	151	0	132	0	17,496	1,032	16,464
40+50	25	147	0	138	0	17,634	1,032	16,602
40+75	25	143	0	134	0	17,768	1,032	16,736
41+00	25	138	0	130	0	17,898	1,032	16,866
41+25	25	135	4	127	2	18,025	1,034	16,991
41+50	25	137	2	126	3	18,151	1,037	17,114
41+75	25	136	1	126	2	18,277	1,039	17,238
42+00	25	133	1	125	1	18,402	1,040	17,362
42+25	25	130	1	122	1	18,524	1,041	17,483
42+50	25	125	1	118	1	18,642	1,042	17,600
42+75	25	119	3	113	2	18,755	1,044	17,711
43+00	25	121	3	111	3	18,866	1,047	17,819
43+25	25	122	2	112	2	18,978	1,049	17,929

EARTHWORK SUMMARY CONTINUED
USH 14 - STA. 6+10 TO STA. 47+42

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
43+50	25	128	11	113	2	19,091	1,051	18,040
43+75	25	133	4	121	7	19,212	1,058	18,154
44+00	25	153	0	132	2	19,344	1,060	18,284
44+25	25	154	0	142	0	19,486	1,060	18,426
44+50	25	151	0	141	0	19,627	1,060	18,567
44+75	25	157	0	143	0	19,770	1,060	18,710
45+00	25	150	1	142	0	19,912	1,060	18,852
45+25	25	121	4	125	2	20,037	1,062	18,975
45+50	25	118	2	111	3	20,148	1,065	19,083
45+75	25	116	4	108	3	20,256	1,068	19,188
46+00	25	93	6	96	5	20,352	1,073	19,279
46+25	25	104	4	91	5	20,443	1,078	19,365
46+50	25	111	5	100	4	20,543	1,082	19,461
46+75	25	109	5	102	5	20,645	1,087	19,558
47+00	25	110	4	102	4	20,747	1,091	19,656
47+25	25	112	5	103	4	20,850	1,095	19,755
47+42.84	18	107	30	72	12	20,922	1,107	19,815

Earthwork values in table have not been expanded.
Fill Expansion Factor fo Common Excavation = 1.25
See Earthwork in Miscellaneous Quantities.

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EARTHWORK USH 14	SHEET 339	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 090101_ew02-USH14

PLOT DATE : 7/30/2020 1:15 PM PLOT BY : PORTER, STEVEN J PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

EARTHWORK SUMMARY

RD-LINE - STA. 10+50 TO STA. 18+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
10+50		0	19	0	0			
10+75	25	2	8	1	13	0	13	-13
11+00	25	0	7	1	7	1	20	-19
11+25	25	0	35	0	19	1	39	-38
11+50	25	0	33	0	31	1	70	-69
11+75	25	0	31	0	30	1	100	-99
12+00	25	0	26	0	26	1	126	-125
12+25	25	0	23	0	23	1	149	-148
12+50	25	0	21	0	20	1	169	-168
12+75	25	0	20	0	19	1	188	-187
13+00	25	0	21	0	19	1	207	-206
13+25	25	0	21	0	19	1	226	-225
13+50	25	2	3	1	11	2	237	-235
13+75	25	27	0	13	1	15	238	-223
14+00	25	85	0	52	0	67	238	-171
14+25	25	67	0	70	0	137	238	-101
14+50	25	49	0	54	0	191	238	-47
14+75	25	48	0	45	0	236	238	-2
15+00	25	48	0	44	0	280	238	42
15+25	25	51	0	46	0	326	238	88
15+50	25	50	0	47	0	373	238	135
15+75	25	50	0	46	0	419	238	181
16+00	25	52	0	47	0	466	238	228
16+25	25	62	0	53	0	519	238	281
16+50	25	59	0	56	0	575	238	337
16+75	25	56	0	53	0	628	238	390
17+00	25	54	0	51	0	679	238	441
17+25	25	47	0	47	0	726	238	488
17+50	25	58	0	49	0	775	238	537
17+75	25	55	0	52	0	827	238	589
18+00	25	34	0	41	0	868	238	630

Earthwork values in table have not been expanded.

Fill Expansion Factor for Common Excavation = 1.25

See Earthwork in Miscellaneous Quantities.

EARTHWORK SUMMARY
STAGE 2 - STA. 7+00 TO STA. 20+25

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
07+00		0	0	0	0			
07+25	25	13	1	6	0	0	0	0
07+50	25	12	3	12	2	12	2	10
07+75	25	12	3	11	3	23	5	18
08+00	25	11	2	11	2	34	7	27
08+25	25	11	3	10	2	44	9	35
08+50	25	11	2	10	2	54	11	43
08+75	25	10	3	10	3	64	14	50
09+00	25	10	4	10	3	74	17	57
09+25	25	10	4	9	4	83	21	62
09+50	25	10	5	9	4	92	25	67
09+75	25	11	1	10	3	102	28	74
10+00	25	2	1	6	1	108	29	79
10+25	25	3	5	3	3	111	32	79
10+50	25	3	9	3	7	114	39	75
10+75	25	3	12	3	10	117	49	68
11+00	25	4	12	4	11	121	60	61
11+25	25	5	15	5	13	126	73	53
11+50	25	6	20	5	16	131	89	42
11+75	25	7	26	6	21	137	110	27
12+00	25	8	29	7	25	144	135	9
12+25	25	9	34	8	29	152	164	-12
12+50	25	9	35	8	32	160	196	-36
12+75	25	9	40	8	35	168	231	-63
13+00	25	8	45	8	39	176	270	-94
13+25	25	9	50	8	44	184	314	-130
13+50	25	9	46	8	45	192	359	-167
13+75	25	9	38	8	39	200	398	-198
14+00	25	9	41	8	36	208	434	-226

EARTHWORK SUMMARY CONTINUED
STAGE 2 - STA. 7+00 TO STA. 20+25

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
14+25	25	9	41	8	38	216	472	-256
14+50	25	9	50	8	42	224	514	-290
14+75	25	10	39	9	41	233	555	-322
15+00	25	10	35	9	35	242	590	-348
15+25	25	11	25	10	28	252	618	-366
15+50	25	11	23	11	22	263	640	-377
15+75	25	11	19	11	19	274	659	-385
16+00	25	12	17	11	16	285	675	-390
16+25	25	12	15	11	15	296	690	-394
16+50	25	17	2	13	8	309	698	-389
16+75	25	16	2	15	2	324	700	-376
17+00	25	14	8	14	5	338	705	-367
17+25	25	15	1	13	4	351	709	-358
17+50	25	15	0	14	0	365	709	-344
17+75	25	14	0	13	0	378	709	-331
18+00	25	12	0	12	0	390	709	-319
18+25	25	7	0	9	0	399	709	-310
18+50	25	6	0	6	0	405	709	-304
18+75	25	4	0	5	0	410	709	-299
19+00	25	0	0	2	0	412	709	-297
19+25	25	0	0	0	0	412	709	-297
19+50	25	0	0	0	0	412	709	-297
19+75	25	0	0	0	0	412	709	-297
20+00	25	0	0	0	0	412	709	-297
20+25	25	0	0	0	0	412	709	-297

Earthwork values in table have not been expanded.
Fill Expansion Factor fo Common Excavation = 1.25
See Earthwork in Miscellaneous Quantities.

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EARTHWORK SUMMARY
STAGE 2 - STA. 34+25 TO STA. 35+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
34+25		0	0	0	0	0	0	0
34+50	25	5	0	2	0	2	0	2
34+75	25	4	0	5	0	7	0	7
35+00	25	4	0	4	0	11	0	11
35+25	25	6	0	5	0	16	0	16
35+50	25	6	0	5	0	21	0	21
35+75	25	0	0	0	0	21	0	21
36+00	25	0	0	0	0	21	0	21
36+25	25	10	0	9	0	30	0	30
36+50	25	13	0	12	0	42	0	42
36+75	25	15	0	13	0	55	0	55
37+00	25	19	0	16	0	71	0	71
37+25	25	19	0	18	0	89	0	89
37+50	25	20	0	18	0	107	0	107
37+75	25	22	0	20	0	127	0	127
38+00	25	25	0	21	0	148	0	148
38+25	25	24	0	23	0	171	0	171
38+50	25	18	0	20	0	191	0	191
38+75	25	17	0	16	0	207	0	207
39+00	25	16	0	15	0	222	0	222
39+25	25	12	0	13	0	235	0	235
39+50	25	12	0	11	0	246	0	246
39+75	25	10	1	10	1	256	1	255
40+00	25	0	0	0	0	256	1	255
40+25	25	0	0	0	0	256	1	255
40+50	25	9	0	8	0	264	1	263
40+75	25	13	0	12	0	276	1	275
41+00	25	13	0	12	0	288	1	287
41+25	25	11	1	11	1	299	2	297
41+50	25	13	0	11	1	310	3	307
41+75	25	13	0	12	0	322	3	319
42+00	25	12	0	11	0	333	3	330
42+25	25	12	0	11	0	344	3	341
42+50	25	13	0	12	0	356	3	353
42+75	25	13	0	12	0	368	3	365
43+00	25	13	0	12	0	380	3	377
43+25	25	13	0	12	0	392	3	389
43+50	25	14	0	12	0	404	3	401
43+75	25	12	1	12	1	416	4	412
44+00	25	13	1	12	1	428	5	423
44+25	25	12	1	12	1	440	6	434
44+50	25	13	1	12	1	452	7	445
44+75	25	13	0	12	0	464	7	457
45+00	25	12	3	12	1	476	8	468

Earthwork values in table have not been expanded.
Fill Expansion Factor fo Common Excavation = 1.25
See Earthwork in Miscellaneous Quantities.

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EARTHWORK SUMMARY
STAGE 3A - STA. 7+00 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
07+00		0	0	0	0			
07+25	25	60	0	28	0	28	0	28
07+50	25	57	0	54	0	82	0	82
07+75	25	57	0	53	0	135	0	135
08+00	25	64	0	56	0	191	0	191
08+25	25	69	0	62	0	253	0	253
08+50	25	71	0	65	0	318	0	318
08+75	25	78	0	69	0	387	0	387
09+00	25	88	0	77	0	464	0	464
09+25	25	95	0	85	0	549	0	549
09+50	25	84	0	83	0	632	0	632
09+75	25	97	0	84	0	716	0	716
10+00	25	87	1	85	0	801	0	801
10+25	25	83	1	79	1	880	1	879
10+50	25	88	1	79	1	959	2	957
10+75	25	86	0	80	1	1,039	3	1,036
11+00	25	92	0	82	0	1,121	3	1,118
11+25	25	106	0	92	0	1,213	3	1,210
11+50	25	109	0	100	0	1,313	3	1,310
11+75	25	102	0	97	0	1,410	3	1,407
12+00	25	102	0	94	0	1,504	3	1,501
12+25	25	116	0	101	0	1,605	3	1,602
12+50	25	94	0	97	0	1,702	3	1,699
12+75	25	88	1	84	0	1,786	3	1,783
13+00	25	97	0	86	0	1,872	3	1,869
13+25	25	82	0	83	0	1,955	3	1,952
13+50	25	82	0	76	0	2,031	3	2,028
13+75	25	75	1	73	0	2,104	3	2,101
14+00	25	73	1	69	1	2,173	4	2,169
14+25	25	73	2	67	1	2,240	5	2,235
14+50	25	69	2	66	2	2,306	7	2,299
14+75	25	69	2	64	2	2,370	9	2,361
15+00	25	75	1	67	1	2,437	10	2,427
15+25	25	58	2	62	1	2,499	11	2,488
15+50	25	86	0	67	1	2,566	12	2,554
15+75	25	67	1	71	0	2,637	12	2,625
16+00	25	60	2	59	1	2,696	13	2,683
16+25	25	59	3	55	2	2,751	15	2,736
16+50	25	59	3	55	3	2,806	18	2,788
16+75	25	63	1	57	2	2,863	20	2,843
17+00	25	65	2	59	1	2,922	21	2,901
17+25	25	67	1	61	1	2,983	22	2,961
17+50	25	69	0	63	1	3,046	23	3,023
17+75	25	63	1	61	1	3,107	24	3,083
18+00	25	61	1	57	1	3,164	25	3,139
18+25	25	59	0	56	1	3,220	26	3,194
18+50	25	55	1	53	1	3,273	27	3,246
18+75	25	50	2	48	1	3,321	28	3,293
19+00	25	49	2	46	2	3,367	30	3,337

EARTHWORK SUMMARY CONTINUED
STAGE 3A - STA. 7+00 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
19+25	25	52	1	46	2	3,413	32	3,381
19+50	25	55	3	50	2	3,463	34	3,429
19+75	25	56	1	51	2	3,514	36	3,478
20+00	25	58	2	53	1	3,567	37	3,530
20+25	25	60	1	54	1	3,621	38	3,583
20+50	25	58	0	54	0	3,675	38	3,637
20+75	25	55	0	52	0	3,727	38	3,689
21+00	25	47	0	47	0	3,774	38	3,736
21+25	25	58	0	49	0	3,823	38	3,785
21+50	25	58	0	54	0	3,877	38	3,839
21+75	25	60	0	55	0	3,932	38	3,894
22+00	25	62	0	57	0	3,989	38	3,951
22+25	25	61	0	57	0	4,046	38	4,008
22+50	25	59	0	56	0	4,102	38	4,064
22+75	25	74	0	62	0	4,164	38	4,126
23+00	25	81	0	72	0	4,236	38	4,198
23+25	25	80	0	74	0	4,310	38	4,272
23+50	25	81	0	74	0	4,384	38	4,346
23+75	25	79	0	74	0	4,458	38	4,420
24+00	25	83	0	75	0	4,533	38	4,495
24+25	25	81	0	76	0	4,609	38	4,571
24+50	25	61	0	65	0	4,674	38	4,636
24+75	25	53	0	52	0	4,726	38	4,688
25+00	25	76	0	60	0	4,786	38	4,748
25+25	25	77	0	71	0	4,857	38	4,819
25+50	25	78	0	71	0	4,928	38	4,890
25+75	25	77	0	71	0	4,999	38	4,961
26+00	25	76	0	70	0	5,069	38	5,031
26+25	25	72	0	68	0	5,137	38	5,099
26+50	25	72	0	66	0	5,203	38	5,165
26+75	25	68	0	65	0	5,268	38	5,230
27+00	25	62	1	60	0	5,328	38	5,290
27+25	25	62	1	57	1	5,385	39	5,346
27+50	25	60	1	56	1	5,441	40	5,401
27+75	25	62	0	57	1	5,498	41	5,457
28+00	25	66	0	59	0	5,557	41	5,516
28+25	25	64	0	60	0	5,617	41	5,576
28+50	25	69	0	61	0	5,678	41	5,637
28+75	25	50	0	55	0	5,733	41	5,692
29+00	25	75	0	58	0	5,791	41	5,750
29+25	25	74	0	69	0	5,860	41	5,819
29+50	25	75	0	69	0	5,929	41	5,888
29+75	25	71	0	68	0	5,997	41	5,956
30+00	25	71	0	66	0	6,063	41	6,022
30+25	25	68	0	64	0	6,127	41	6,086
30+50	25	60	0	59	0	6,186	41	6,145
30+75	25	61	0	56	0	6,242	41	6,201
31+00	25	66	0	59	0	6,301	41	6,260
31+25	25	65	0	61	0	6,362	41	6,321

EARTHWORK SUMMARY CONTINUED
STAGE 3A - STA. 7+00 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
31+50	25	64	0	60	0	6,422	41	6,381
31+75	25	58	0	56	0	6,478	41	6,437
32+00	25	50	0	50	0	6,528	41	6,487
32+25	25	45	0	44	0	6,572	41	6,531
32+50	25	33	0	36	0	6,608	41	6,567
32+75	25	33	0	30	0	6,638	41	6,597
33+00	25	47	0	37	0	6,675	41	6,634
33+25	25	57	0	48	0	6,723	41	6,682
33+50	25	62	0	55	0	6,778	41	6,737
33+75	25	66	0	59	0	6,837	41	6,796
34+00	25	62	0	59	0	6,896	41	6,855
34+25	25	61	0	57	0	6,953	41	6,912
34+50	25	62	0	57	0	7,010	41	6,969
34+75	25	69	0	61	0	7,071	41	7,030
35+00	25	71	0	64	0	7,135	41	7,094
35+25	25	72	0	66	0	7,201	41	7,160
35+50	25	80	0	70	0	7,271	41	7,230
35+75	25	64	0	67	0	7,338	41	7,297
36+00	25	70	0	62	0	7,400	41	7,359
36+25	25	85	0	72	0	7,472	41	7,431
36+50	25	90	0	81	0	7,553	41	7,512
36+75	25	95	0	86	0	7,639	41	7,598
37+00	25	101	0	91	0	7,730	41	7,689
37+25	25	104	0	95	0	7,825	41	7,784
37+50	25	101	0	95	0	7,920	41	7,879
37+75	25	94	0	90	0	8,010	41	7,969
38+00	25	85	0	83	0	8,093	41	8,052
38+25	25	88	0	80	0	8,173	41	8,132
38+50	25	82	0	79	0	8,252	41	8,211
38+75	25	78	0	74	0	8,326	41	8,285
39+00	25	77	0	72	0	8,398	41	8,357
39+25	25	73	0	69	0	8,467	41	8,426
39+50	25	72	0	67	0	8,534	41	8,493
39+75	25	71	0	66	0	8,600	41	8,559
40+00	25	61	0	61	0	8,661	41	8,620
40+25	25	89	0	70	0	8,731	41	8,690
40+50	25	80	0	78	0	8,809	41	8,768
40+75	25	76	0	72	0	8,881	41	8,840
41+00	25	76	0	70	0	8,951	41	8,910
41+25	25	78	0	71	0	9,022	41	8,981
41+50	25	78	0	72	0	9,094	41	9,053
41+75	25	79	0	73	0	9,167	41	9,126
42+00	25	76	0	72	0	9,239	41	9,198
42+25	25	77	0	71	0	9,310	41	9,269
42+50	25	76	0	71	0	9,381	41	9,340
42+75	25	70	0	68	0	9,449	41	9,408
43+00	25	71	0	65	0	9,514	41	9,473
43+25	25	69	0	65	0	9,579	41	9,538
43+50	25	68	0	63	0	9,642	41	9,601

EARTHWORK SUMMARY CONTINUED
STAGE 3A - STA. 7+00 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
43+75	25	67	0	63	0	9,705	41	9,664
44+00	25	68	0	62	0	9,767	41	9,726

Earthwork values in table have not been expanded.
Fill Expansion Factor fo Common Excavation = 1.25
See Earthwork in Miscellaneous Quantities.

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	EARTHWORK USH 14 - STAGE 3A	SHEET 344	E

FILE NAME : N:\PDS\C3D\53100206(14)\SHEETSPLAN\090101_EW.DWG
LAYOUT NAME - 090101_ew06-STAGE3A

PLOT DATE : 7/30/2020 1:15 PM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EARTHWORK SUMMARY
STAGE 4 - STA. 6+10 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
06+10		0	0			0	0	0
06+25	15	3	0	1	0	1	0	1
06+50	25	4	0	3	0	4	0	4
06+75	25	4	0	4	0	8	0	8
07+00	25	51	0	26	0	34	0	34
07+25	25	88	1	64	0	98	0	98
07+50	25	62	6	69	3	167	3	164
07+75	25	67	12	59	8	226	11	215
08+00	25	72	7	64	9	290	20	270
08+25	25	69	8	66	7	356	27	329
08+50	25	65	9	62	8	418	35	383
08+75	25	64	11	60	9	478	44	434
09+00	25	65	13	60	11	538	55	483
09+25	25	68	13	61	12	599	67	532
09+50	25	69	13	63	12	662	79	583
09+75	25	70	11	64	11	726	90	636
10+00	25	70	8	65	9	791	99	692
10+25	25	79	14	69	10	860	109	751
10+50	25	85	9	76	11	936	120	816
10+75	25	88	11	80	10	1,016	130	886
11+00	25	88	8	81	9	1,097	139	958
11+25	25	85	9	80	8	1,177	147	1,030
11+50	25	93	5	82	6	1,259	153	1,106
11+75	25	87	2	83	3	1,342	156	1,186
12+00	25	86	0	80	1	1,422	157	1,265
12+25	25	84	0	78	0	1,500	157	1,343
12+50	25	82	0	77	0	1,577	157	1,420
12+75	25	86	0	78	0	1,655	157	1,498
13+00	25	76	0	75	0	1,730	157	1,573
13+25	25	78	0	71	0	1,801	157	1,644
13+50	25	69	0	68	0	1,869	157	1,712
13+75	25	65	0	62	0	1,931	157	1,774
14+00	25	63	0	59	0	1,990	157	1,833
14+25	25	62	0	58	0	2,048	157	1,891
14+50	25	62	0	58	0	2,106	157	1,949
14+75	25	58	0	56	0	2,162	157	2,005
15+00	25	60	0	55	0	2,217	157	2,060
15+25	25	56	0	54	0	2,271	157	2,114
15+50	25	57	0	52	0	2,323	157	2,166
15+75	25	58	0	53	0	2,376	157	2,219
16+00	25	58	0	54	0	2,430	157	2,273
16+25	25	60	0	55	0	2,485	157	2,328
16+50	25	95	0	72	0	2,557	157	2,400
16+75	25	86	0	84	0	2,641	157	2,484
17+00	25	68	0	71	0	2,712	157	2,555
17+25	25	69	0	64	0	2,776	157	2,619
17+50	25	71	2	65	1	2,841	158	2,683
17+75	25	75	1	68	1	2,909	159	2,750
18+00	25	84	1	74	1	2,983	160	2,823
18+25	25	92	0	81	0	3,064	160	2,904

EARTHWORK SUMMARY CONTINUED
STAGE 4 - STA. 6+10 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
18+50	25	121	0	85	0	3,149	160	2,989
18+75	25	100	0	102	0	3,251	160	3,091
19+00	25	97	0	91	0	3,342	160	3,182
19+25	25	97	0	90	0	3,432	160	3,272
19+50	25	95	0	89	0	3,521	160	3,361
19+75	25	93	0	87	0	3,608	160	3,448
20+00	25	87	0	83	0	3,691	160	3,531
20+25	25	81	0	78	0	3,769	160	3,609
20+50	25	80	0	75	0	3,844	160	3,684
20+75	25	74	0	71	0	3,915	160	3,755
21+00	25	61	0	62	0	3,977	160	3,817
21+25	25	60	0	56	0	4,033	160	3,873
21+50	25	60	3	55	1	4,088	161	3,927
21+75	25	61	3	56	3	4,144	164	3,980
22+00	25	61	2	56	2	4,200	166	4,034
22+25	25	62	2	57	2	4,257	168	4,089
22+50	25	63	2	58	2	4,315	170	4,145
22+75	25	69	1	61	1	4,376	171	4,205
23+00	25	72	1	65	1	4,441	172	4,269
23+25	25	76	0	68	0	4,509	172	4,337
23+50	25	85	0	74	0	4,583	172	4,411
23+75	25	78	0	75	0	4,658	172	4,486
24+00	25	78	0	72	0	4,730	172	4,558
24+25	25	79	0	73	0	4,803	172	4,631
24+50	25	84	0	75	0	4,878	172	4,706
24+75	25	66	0	69	0	4,947	172	4,775
25+00	25	76	0	66	0	5,013	172	4,841
25+25	25	76	0	70	0	5,083	172	4,911
25+50	25	76	0	70	0	5,153	172	4,981
25+75	25	74	0	69	0	5,222	172	5,050
26+00	25	73	0	68	0	5,290	172	5,118
26+25	25	72	1	67	0	5,357	172	5,185
26+50	25	72	0	66	0	5,423	172	5,251
26+75	25	74	0	68	0	5,491	172	5,319
27+00	25	79	0	71	0	5,562	172	5,390
27+25	25	68	1	68	1	5,630	173	5,457
27+50	25	67	2	63	1	5,693	174	5,519
27+75	25	66	2	62	2	5,755	176	5,579
28+00	25	75	0	65	1	5,820	177	5,643
28+25	25	64	2	64	1	5,884	178	5,706
28+50	25	75	0	65	1	5,949	179	5,770
28+75	25	47	0	57	0	6,006	179	5,827
29+00	25	69	0	53	0	6,059	179	5,880
29+25	25	61	3	60	1	6,119	180	5,939
29+50	25	68	0	60	1	6,179	181	5,998
29+75	25	63	0	61	0	6,240	181	6,059
30+00	25	59	5	56	2	6,296	183	6,113
30+25	25	58	7	54	6	6,350	189	6,161
30+50	25	61	3	55	4	6,405	193	6,212
30+75	25	63	1	57	2	6,462	195	6,267

EARTHWORK SUMMARY CONTINUED
STAGE 4 - STA. 6+10 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
31+00	25	65	2	59	1	6,521	196	6,325
31+25	25	64	3	60	2	6,581	198	6,383
31+50	25	71	0	63	1	6,644	199	6,445
31+75	25	59	4	61	2	6,705	201	6,504
32+00	25	63	2	57	3	6,762	204	6,558
32+25	25	86	0	69	1	6,831	205	6,626
32+50	25	56	0	65	0	6,896	205	6,691
32+75	25	46	0	47	0	6,943	205	6,738
33+00	25	101	0	68	0	7,011	205	6,806
33+25	25	65	1	77	0	7,088	205	6,883
33+50	25	63	2	59	1	7,147	206	6,941
33+75	25	66	1	60	1	7,207	207	7,000
34+00	25	74	0	65	1	7,272	208	7,064
34+25	25	65	3	64	2	7,336	210	7,126
34+50	25	61	5	58	4	7,394	214	7,180
34+75	25	61	5	57	4	7,451	218	7,233
35+00	25	61	5	56	5	7,507	223	7,284
35+25	25	61	6	57	5	7,564	228	7,336
35+50	25	64	2	58	3	7,622	231	7,391
35+75	25	80	0	67	1	7,689	232	7,457
36+00	25	65	0	67	0	7,756	232	7,524
36+25	25	70	0	62	0	7,818	232	7,586
36+50	25	67	5	63	2	7,881	234	7,647
36+75	25	68	5	63	5	7,944	239	7,705
37+00	25	68	7	63	6	8,007	245	7,762
37+25	25	68	8	63	7	8,070	252	7,818
37+50	25	67	8	63	7	8,133	259	7,874
37+75	25	64	5	61	6	8,194	265	7,929
38+00	25	62	11	59	8	8,253	273	7,980
38+25	25	64	11	58	10	8,311	283	8,028
38+50	25	64	11	59	10	8,370	293	8,077
38+75	25	62	12	58	10	8,428	303	8,125
39+00	25	63	12	58	11	8,486	314	8,172
39+25	25	59	11	57	11	8,543	325	8,218
39+50	25	63	11	57	10	8,600	335	8,265
39+75	25	72	0	62	5	8,662	340	8,322
40+00	25	63	0	62	0	8,724	340	8,384
40+25	25	70	0	61	0	8,785	340	8,445
40+50	25	75	1	67	0	8,852	340	8,512
40+75	25	67	0	66	0	8,918	340	8,578
41+00	25	62	0	60	0	8,978	340	8,638
41+25	25	58	2	55	1	9,033	341	8,692
41+50	25	59	2	54	2	9,087	343	8,744
41+75	25	63	1	56	2	9,143	345	8,798
42+00	25	66	1	60	1	9,203	346	8,857
42+25	25	65	1	60	1	9,263	347	8,916
42+50	25	63	1	59	1	9,322	348	8,974
42+75	25	60	3	57	2	9,379	350	9,029
43+00	25	55	3	53	3	9,432	353	9,079
43+25	25	47	2	47	2	9,479	355	9,124

EARTHWORK SUMMARY CONTINUED
STAGE 4 - STA. 6+10 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
43+50	25	46	2	44	1	9,523	356	9,167
43+75	25	49	2	44	2	9,567	358	9,209
44+00	25	62	0	51	1	9,618	359	9,259

Earthwork values in table have not been expanded.
Fill Expansion Factor fo Common Excavation = 1.25
See Earthwork in Miscellaneous Quantities.

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EARTHWORK SUMMARY
STAGE 5 - STA. 6+10 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
06+10		0	0			0	0	0
06+25	15	0	0	0	0	0	0	0
06+50	25	0	0	0	0	0	0	0
06+75	25	0	0	0	0	0	0	0
07+00	25	0	0	0	0	0	0	0
07+25	25	0	0	0	0	0	0	0
07+50	25	3	4	1	2	1	2	-1
07+75	25	3	10	3	6	4	8	-4
08+00	25	1	1	2	5	6	13	-7
08+25	25	2	0	1	0	7	13	-6
08+50	25	2	0	2	0	9	13	-4
08+75	25	4	0	3	0	12	13	-1
09+00	25	6	0	5	0	17	13	4
09+25	25	6	0	6	0	23	13	10
09+50	25	7	0	6	0	29	13	16
09+75	25	9	0	7	0	36	13	23
10+00	25	11	0	9	0	45	13	32
10+25	25	17	3	13	1	58	14	44
10+50	25	16	8	15	5	73	19	54
10+75	25	18	9	16	8	89	27	62
11+00	25	18	10	17	9	106	36	70
11+25	25	19	13	17	11	123	47	76
11+50	25	19	11	18	11	141	58	83
11+75	25	18	10	17	10	158	68	90
12+00	25	18	10	17	9	175	77	98
12+25	25	18	11	17	10	192	87	105
12+50	25	18	9	17	9	209	96	113
12+75	25	19	11	17	9	226	105	121
13+00	25	19	8	18	9	244	114	130
13+25	25	19	7	18	7	262	121	141
13+50	25	22	6	19	6	281	127	154
13+75	25	24	4	21	5	302	132	170
14+00	25	25	4	23	4	325	136	189
14+25	25	24	3	23	3	348	139	209
14+50	25	23	2	22	2	370	141	229
14+75	25	25	1	22	1	392	142	250
15+00	25	24	1	23	1	415	143	272
15+25	25	24	1	22	1	437	144	293
15+50	25	25	1	23	1	460	145	315
15+75	25	25	1	23	1	483	146	337
16+00	25	22	1	22	1	505	147	358
16+25	25	22	1	20	1	525	148	377
16+50	25	16	1	18	1	543	149	394
16+75	25	15	1	14	1	557	150	407
17+00	25	11	1	12	1	569	151	418
17+25	25	5	4	7	2	576	153	423
17+50	25	3	6	4	5	580	158	422
17+75	25	7	6	5	6	585	164	421
18+00	25	6	4	6	5	591	169	422
18+25	25	8	4	6	4	597	173	424

EARTHWORK SUMMARY
STAGE 5 - STA. 6+10 TO STA. 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
18+50	25	7	3	7	4	604	177	427
18+75	25	7	2	6	2	610	179	431
19+00	25	5	3	6	2	616	181	435
19+25	25	5	3	5	3	621	184	437
19+50	25	6	4	5	3	626	187	439
19+75	25	5	3	5	3	631	190	441
20+00	25	5	4	5	3	636	193	443
20+25	25	3	11	4	7	640	200	440
20+50	25	4	4	3	7	643	207	436
20+75	25	2	0	3	2	646	209	437
21+00	25	2	0	2	0	648	209	439
21+25	25	6	2	4	1	652	210	442
21+50	25	5	6	5	4	657	214	443
21+75	25	4	5	4	5	661	219	442
22+00	25	4	5	4	5	665	224	441
22+25	25	4	5	4	5	669	229	440
22+50	25	4	5	4	5	673	234	439
22+75	25	3	7	3	6	676	240	436
23+00	25	4	7	3	6	679	246	433
23+25	25	4	7	4	6	683	252	431
23+50	25	4	7	4	6	687	258	429
23+75	25	4	7	4	6	691	264	427
24+00	25	4	7	4	6	695	270	425
24+25	25	4	4	4	5	699	275	424
24+50	25	1	0	2	2	701	277	424
24+75	25	1	0	1	0	702	277	425
25+00	25	4	4	2	2	704	279	425
25+25	25	4	7	4	5	708	284	424
25+50	25	4	7	4	6	712	290	422
25+75	25	4	7	4	6	716	296	420
26+00	25	4	7	4	6	720	302	418
26+25	25	4	7	4	6	724	308	416
26+50	25	4	7	4	6	728	314	414
26+75	25	4	7	4	6	732	320	412
27+00	25	4	7	4	6	736	326	410
27+25	25	4	7	4	6	740	332	408
27+50	25	4	7	4	6	744	338	406
27+75	25	4	9	4	7	748	345	403
28+00	25	4	9	4	8	752	353	399
28+25	25	4	6	4	7	756	360	396
28+50	25	3	0	3	3	759	363	396
28+75	25	3	0	3	0	762	363	399
29+00	25	4	7	3	3	765	366	399
29+25	25	4	7	4	6	769	372	397
29+50	25	4	8	4	7	773	379	394
29+75	25	4	8	4	7	777	386	391
30+00	25	4	8	4	7	781	393	388
30+25	25	4	8	4	7	785	400	385
30+50	25	4	8	4	7	789	407	382
30+75	25	4	7	4	7	793	414	379

EARTHWORK SUMMARY
STAGE 5 - STA 6+10 TO STA 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
31+00	25	4	7	4	6	797	420	377
31+25	25	4	7	4	6	801	426	375
31+50	25	4	7	4	6	805	432	373
31+75	25	4	6	4	6	809	438	371
32+00	25	4	6	4	6	813	444	369
32+25	25	4	6	4	6	817	450	367
32+50	25	2	0	3	3	820	453	367
32+75	25	2	0	2	0	822	453	369
33+00	25	4	6	3	3	825	456	369
33+25	25	4	7	4	6	829	462	367
33+50	25	4	7	4	6	833	468	365
33+75	25	4	7	4	6	837	474	363
34+00	25	4	6	4	6	841	480	361
34+25	25	4	6	4	6	845	486	359
34+50	25	4	6	4	6	849	492	357
34+75	25	10	5	6	5	855	497	358
35+00	25	4	4	6	4	861	501	360
35+25	25	4	4	4	3	865	504	361
35+50	25	4	4	4	4	869	508	361
35+75	25	2	0	3	2	872	510	362
36+00	25	2	0	2	0	874	510	364
36+25	25	7	0	4	0	878	510	368
36+50	25	6	4	6	2	884	512	372
36+75	25	5	7	5	5	889	517	372
37+00	25	4	9	4	7	893	524	369
37+25	25	4	10	4	9	897	533	364
37+50	25	4	9	4	9	901	542	359
37+75	25	5	5	4	7	905	549	356
38+00	25	5	3	5	4	910	553	357
38+25	25	5	8	5	5	915	558	357
38+50	25	5	6	5	6	920	564	356
38+75	25	5	5	5	5	925	569	356
39+00	25	5	5	5	5	930	574	356
39+25	25	5	5	5	5	935	579	356
39+50	25	5	5	5	5	940	584	356
39+75	25	2	0	3	2	943	586	357
40+00	25	2	0	2	0	945	586	359
40+25	25	5	8	3	4	948	590	358
40+50	25	5	8	5	7	953	597	356
40+75	25	3	7	4	7	957	604	353
41+00	25	3	7	3	6	960	610	350
41+25	25	3	7	3	6	963	616	347
41+50	25	3	7	3	6	966	622	344
41+75	25	3	7	3	6	969	628	341
42+00	25	4	8	3	7	972	635	337
42+25	25	4	8	4	7	976	642	334
42+50	25	4	8	4	7	980	649	331
42+75	25	4	7	4	7	984	656	328
43+00	25	4	7	4	6	988	662	326
43+25	25	4	3	4	5	992	667	325

EARTHWORK SUMMARY
STAGE 5 - STA 6+10 TO STA 44+00

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY) (UNADJUSTED)		
		CUT	FILL	CUT	FILL	CUT	UNEXPANDED FILL	MASS ORDINATE
43+50	25	4	4	4	3	996	670	326
43+75	25	4	4	4	4	1,000	674	326
44+00	25	3	3	3	3	1,003	677	326

Earthwork values in table have not been expanded.
Fill Expansion Factor fo Common Excavation = 1.25
See Earthwork in Miscellaneous Quantities.

9

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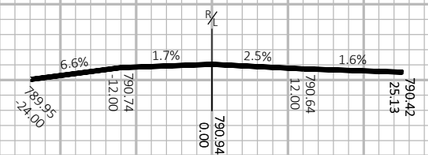
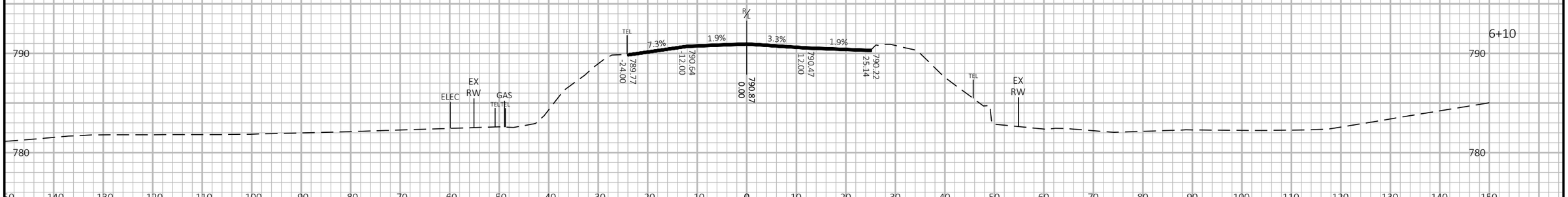
NORTH WALTER ROAD MATCH

SOUTH WALTER ROAD MATCH

6+25



6+10



6+00

9

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 349	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (1)

PLOT DATE : 7/18/2020 11:17 AM

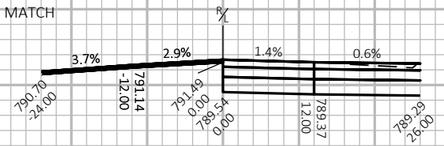
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

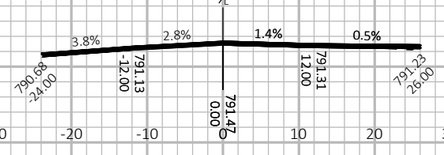
NORTH WALTER ROAD MATCH



SOUTH WALTER ROAD MATCH

6+88

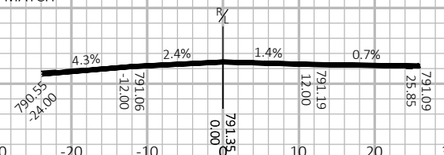
NORTH WALTER ROAD MATCH



SOUTH WALTER ROAD MATCH

6+86

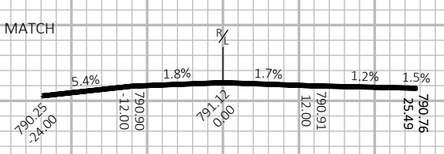
NORTH WALTER ROAD MATCH



SOUTH WALTER ROAD MATCH

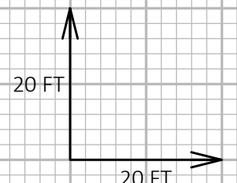
6+75

NORTH WALTER ROAD MATCH



SOUTH WALTER ROAD MATCH

6+50



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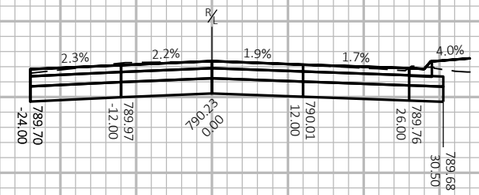
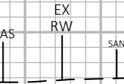
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 350	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (2)

PLOT DATE : 7/18/2020 11:18 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

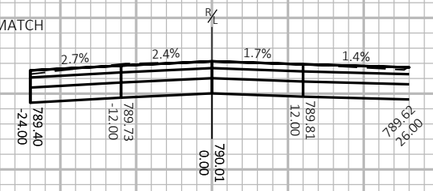
NORTH WALTER ROAD MATCH





7+42

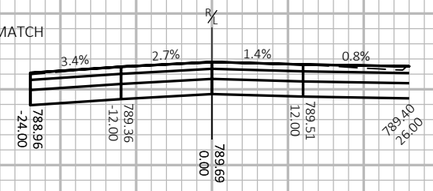
NORTH WALTER ROAD MATCH



SOUTH WALTER ROAD MATCH

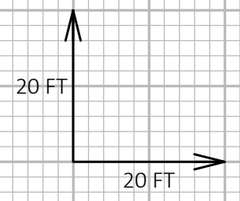
7+25

NORTH WALTER ROAD MATCH



SOUTH WALTER ROAD MATCH

7+00



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 351	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (3)

PLOT DATE : 7/18/2020 11:18 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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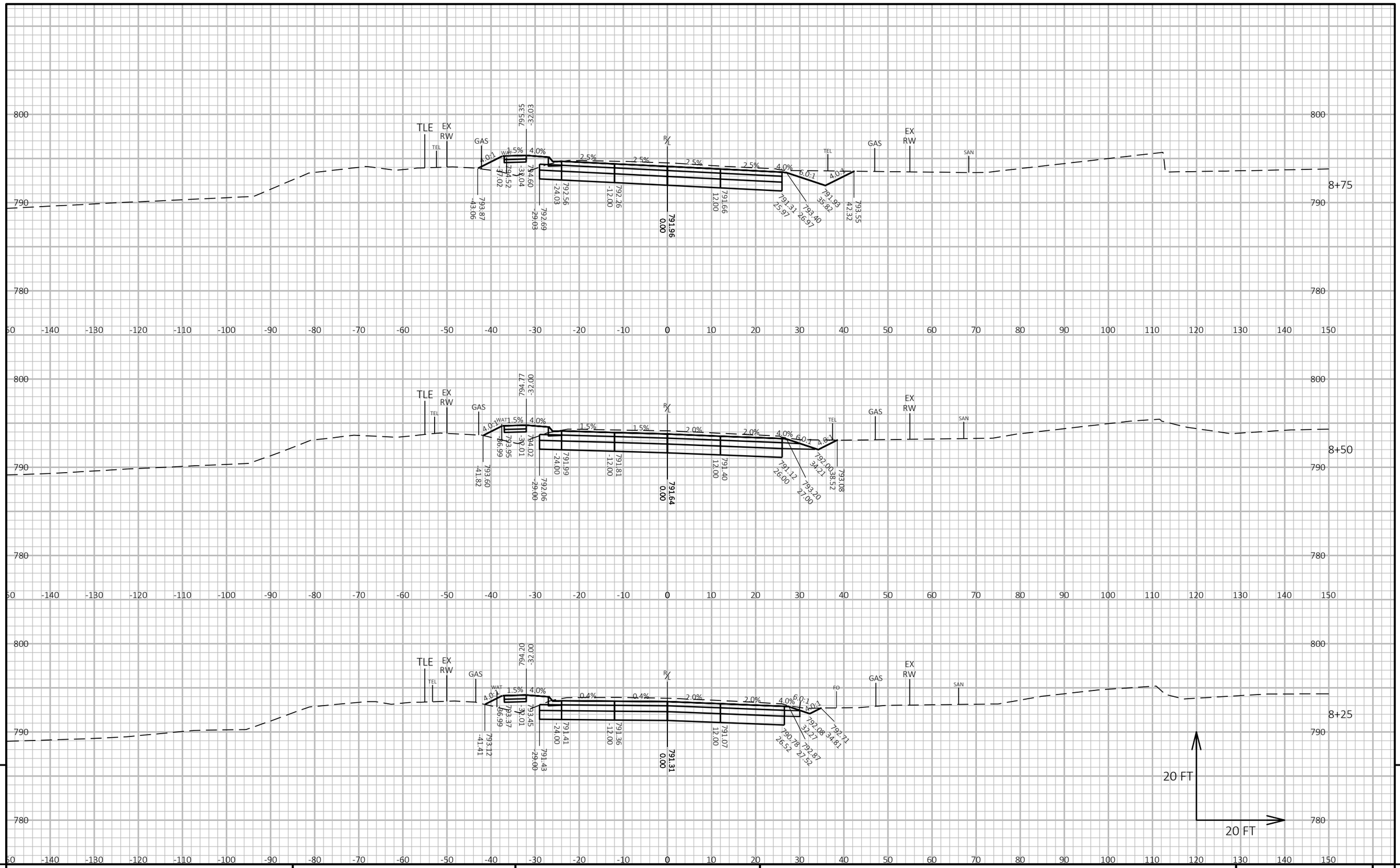
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 352	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (4)

PLOT DATE : 7/18/2020 11:18 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



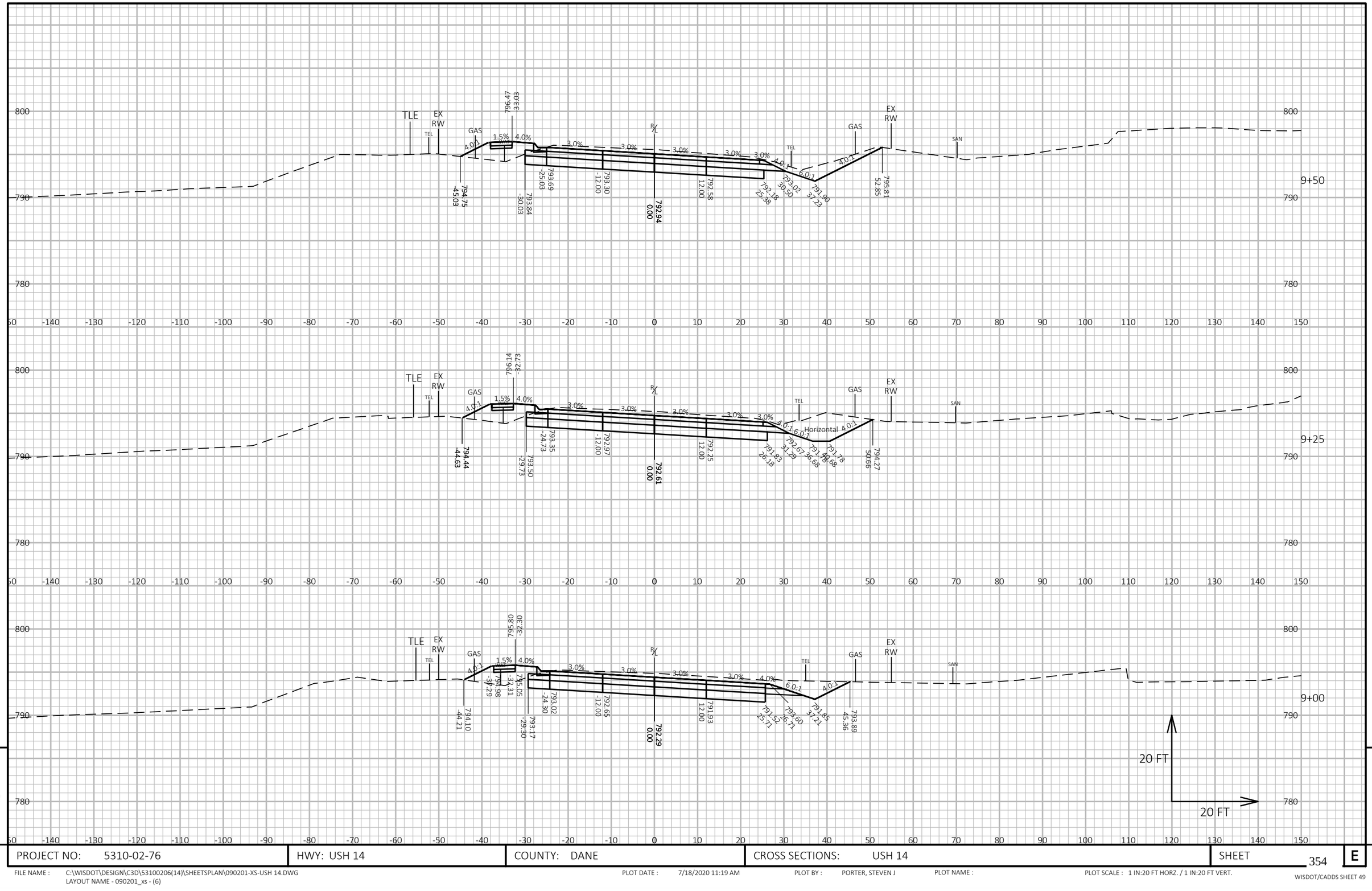
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 353	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (5)

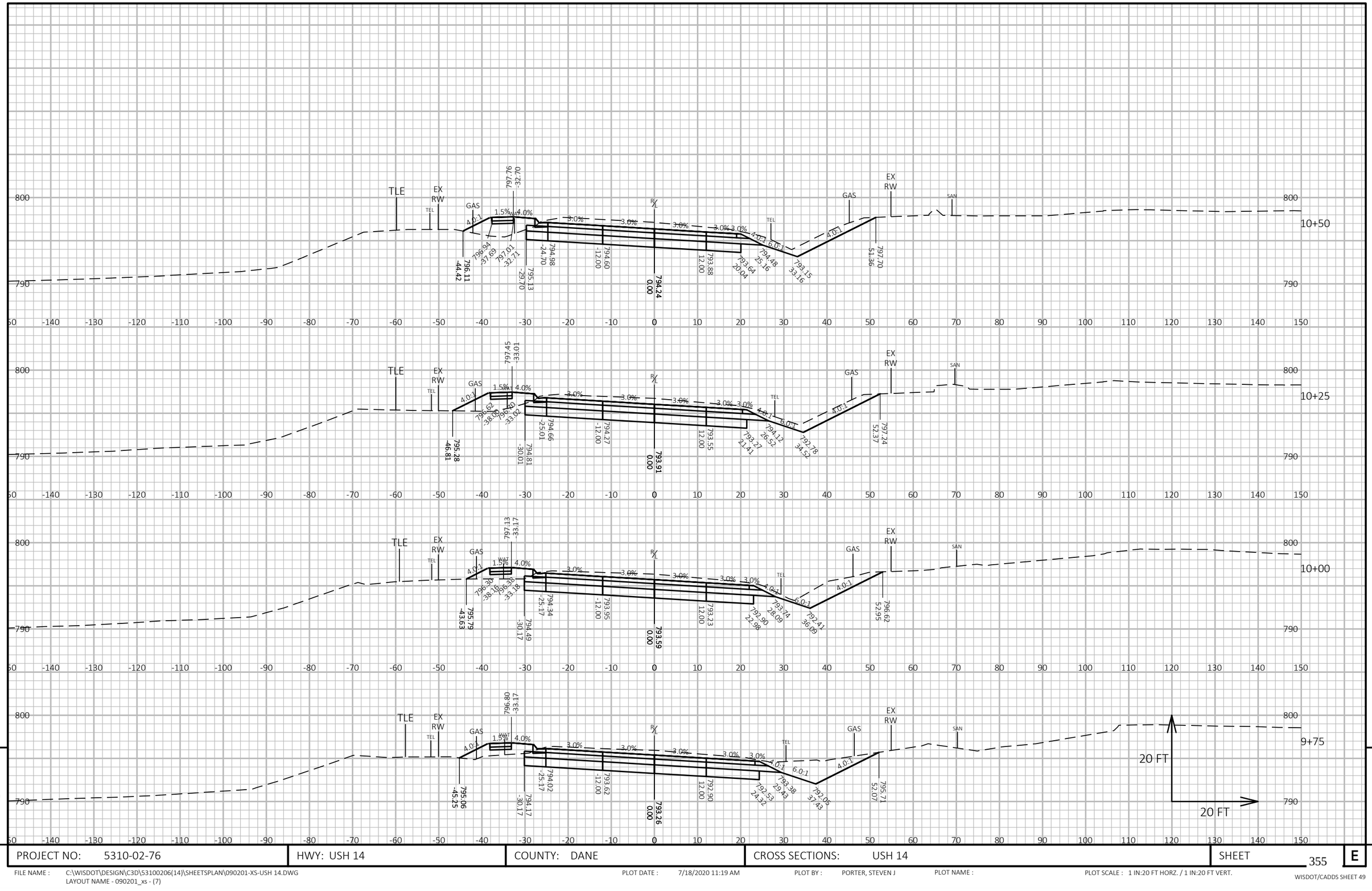
PLOT DATE : 7/18/2020 11:19 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 354	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (6)

PLOT DATE : 7/18/2020 11:19 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 355	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (7)

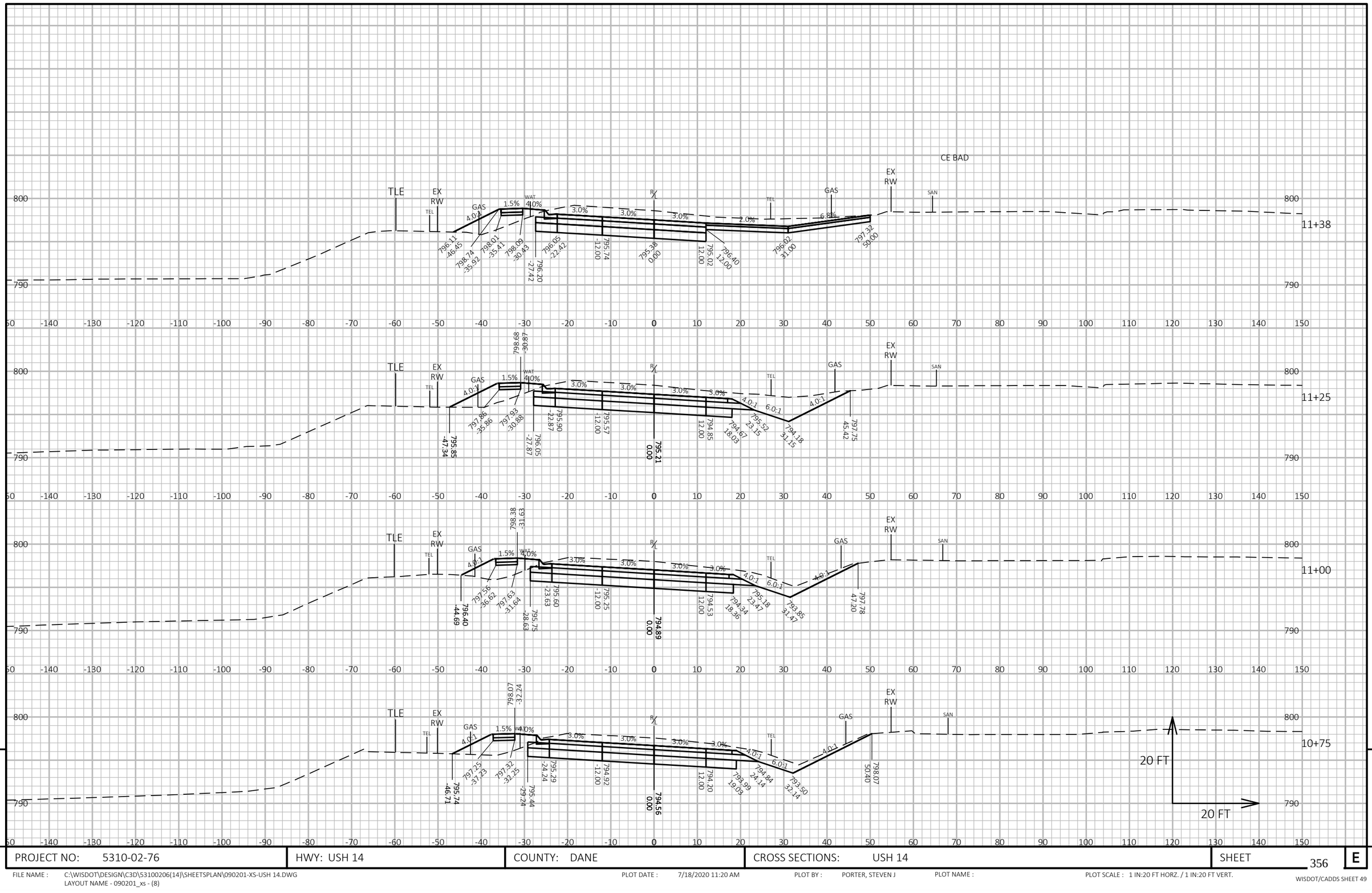
PLOT DATE : 7/18/2020 11:19 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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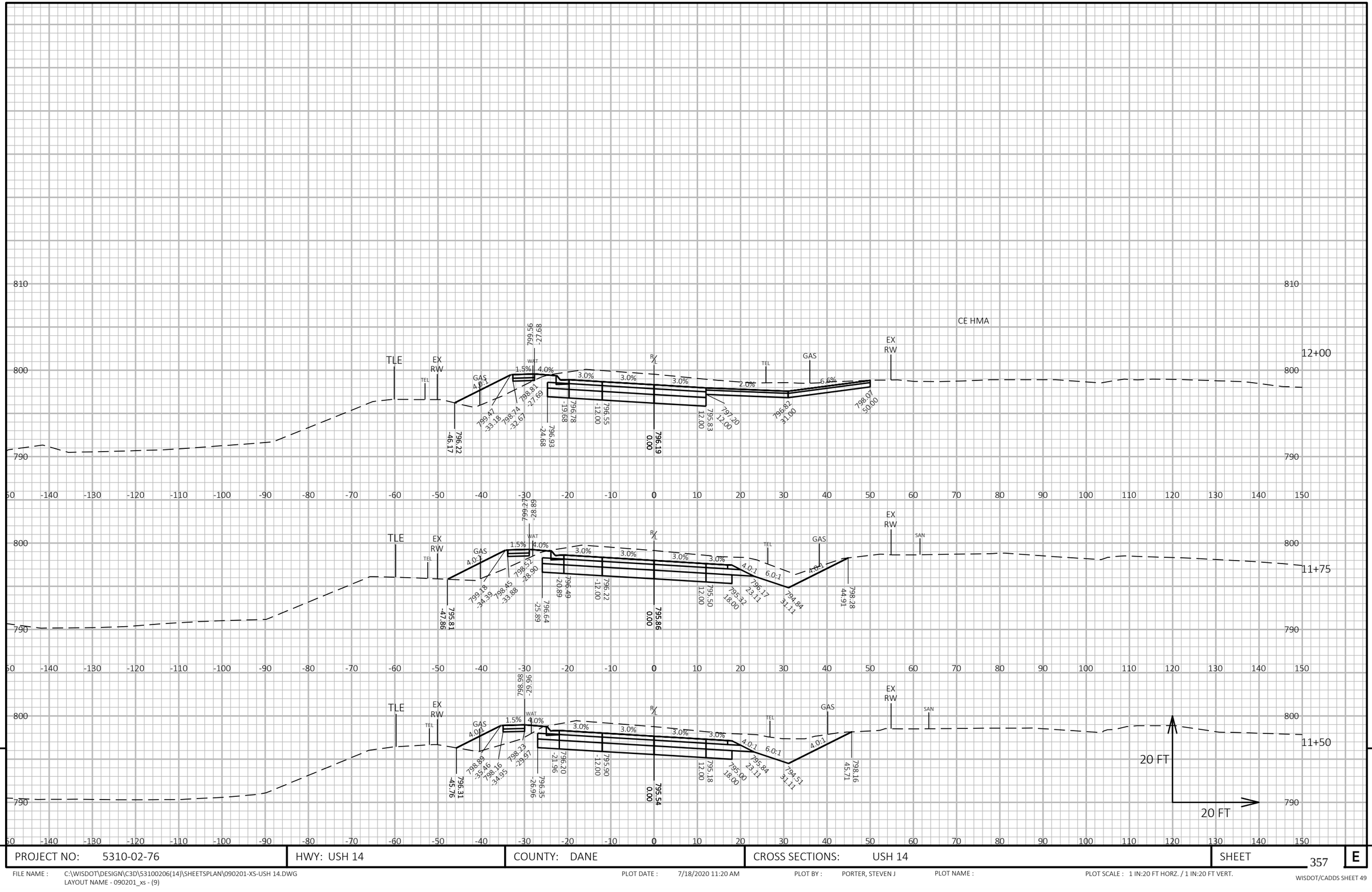
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 356	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (8)

PLOT DATE : 7/18/2020 11:20 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

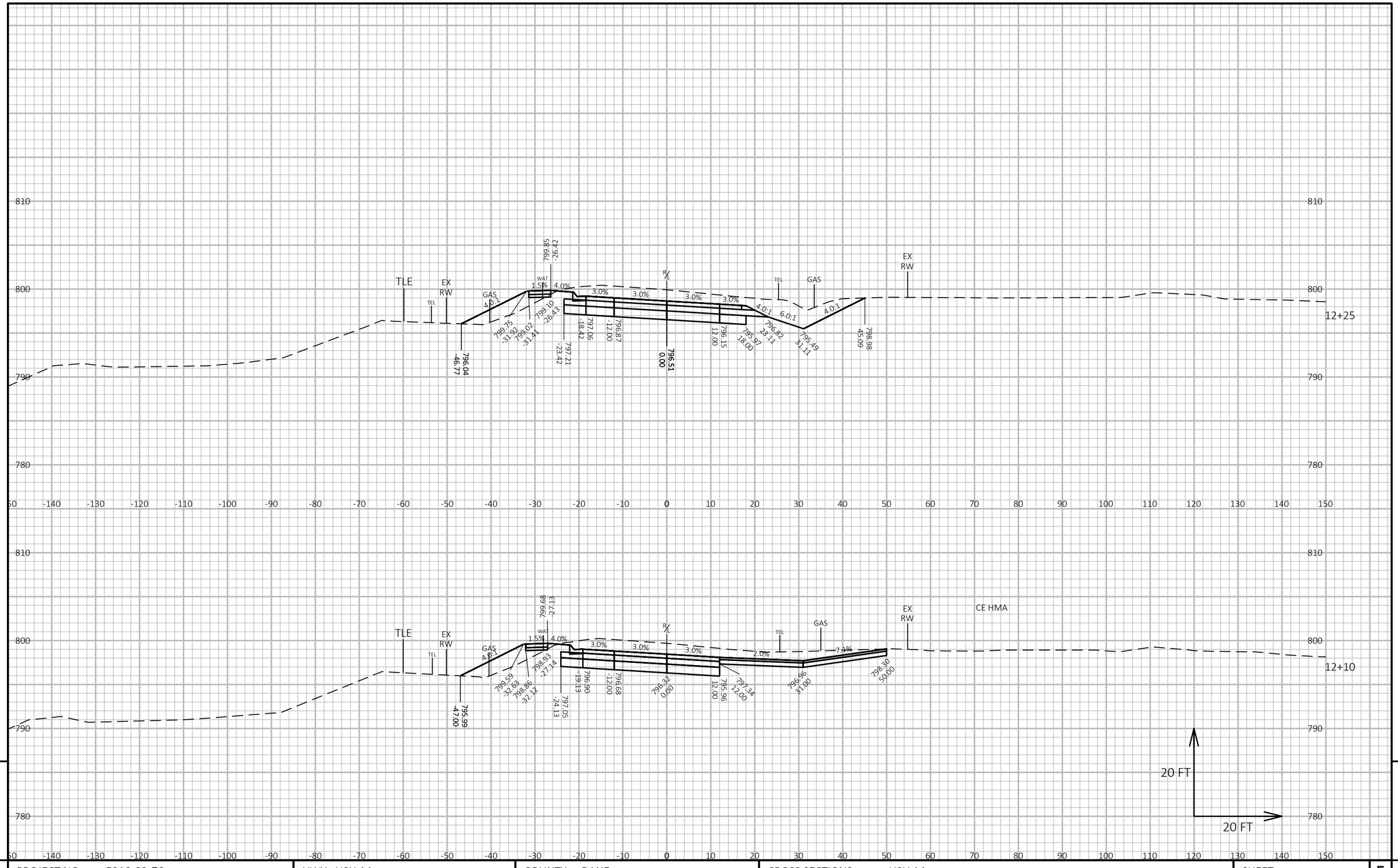


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 357	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (9)

PLOT DATE : 7/18/2020 11:20 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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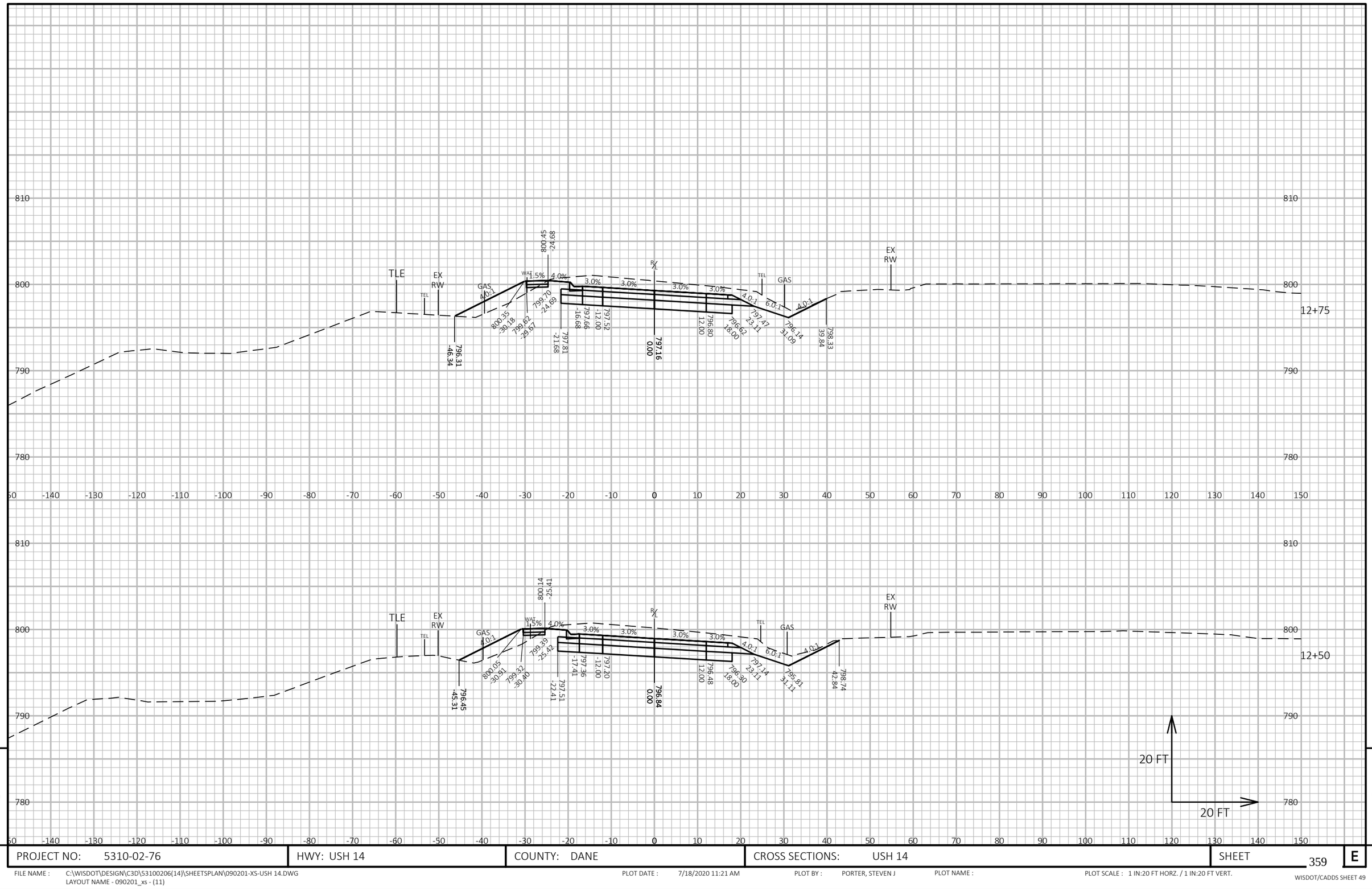
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 358	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (10)

PLOT DATE : 7/18/2020 11:21 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

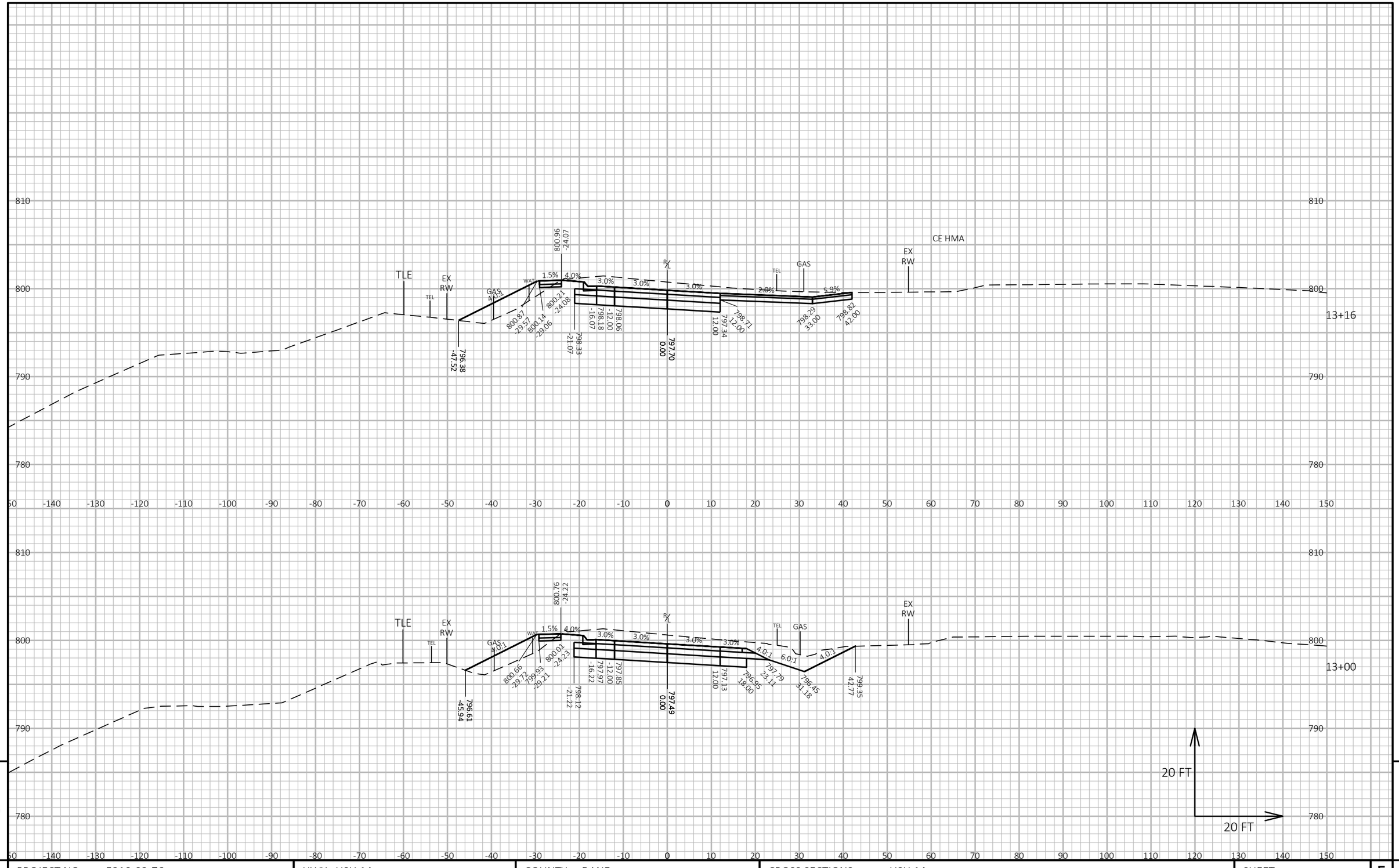


9 9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 359	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (11)

PLOT DATE : 7/18/2020 11:21 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

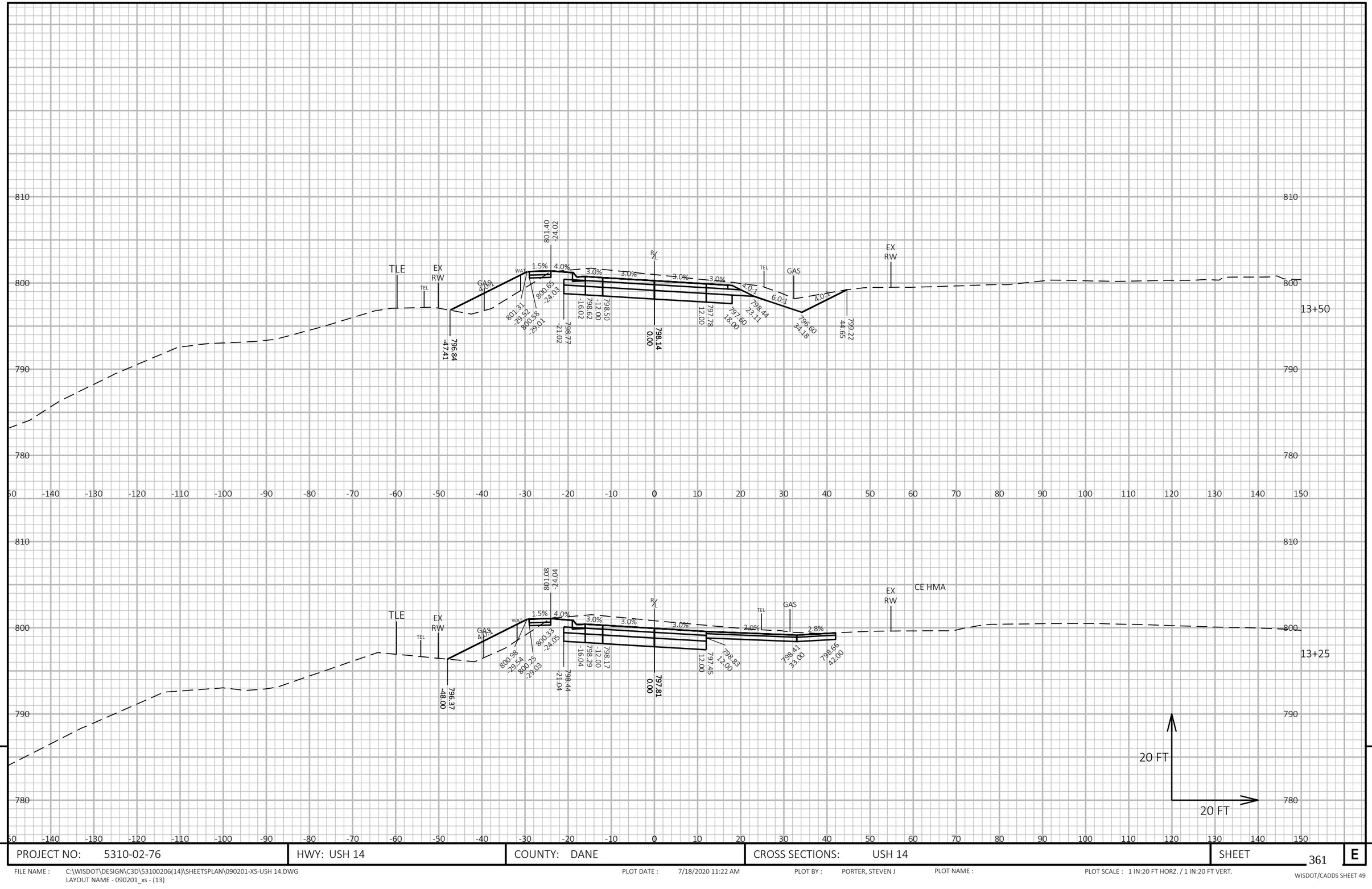


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 360	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (12)

PLOT DATE : 7/18/2020 11:21 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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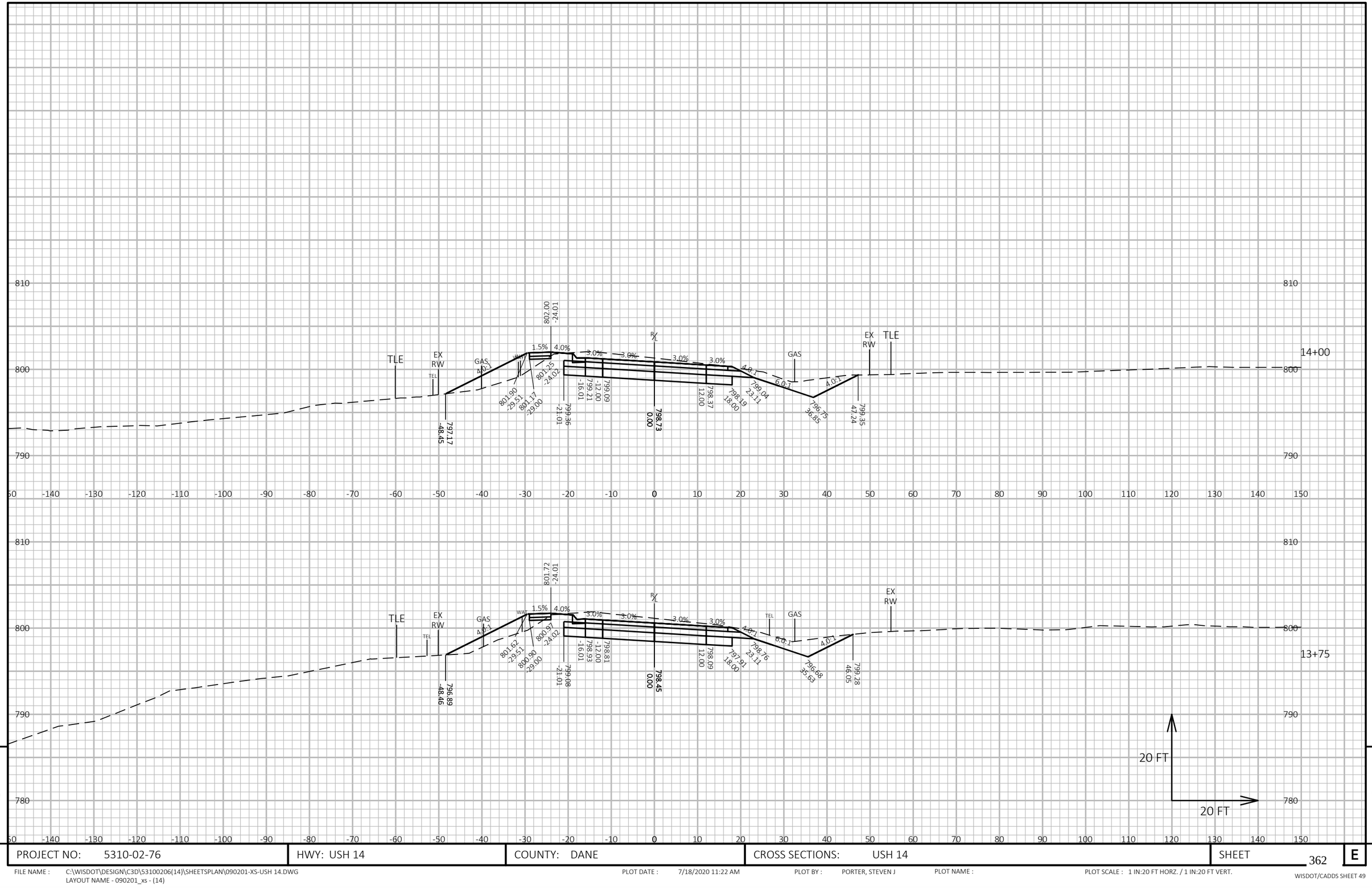
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 361	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (13)
PLOT DATE : 7/18/2020 11:22 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 362	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (14)

PLOT DATE : 7/18/2020 11:22 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 363	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (15)

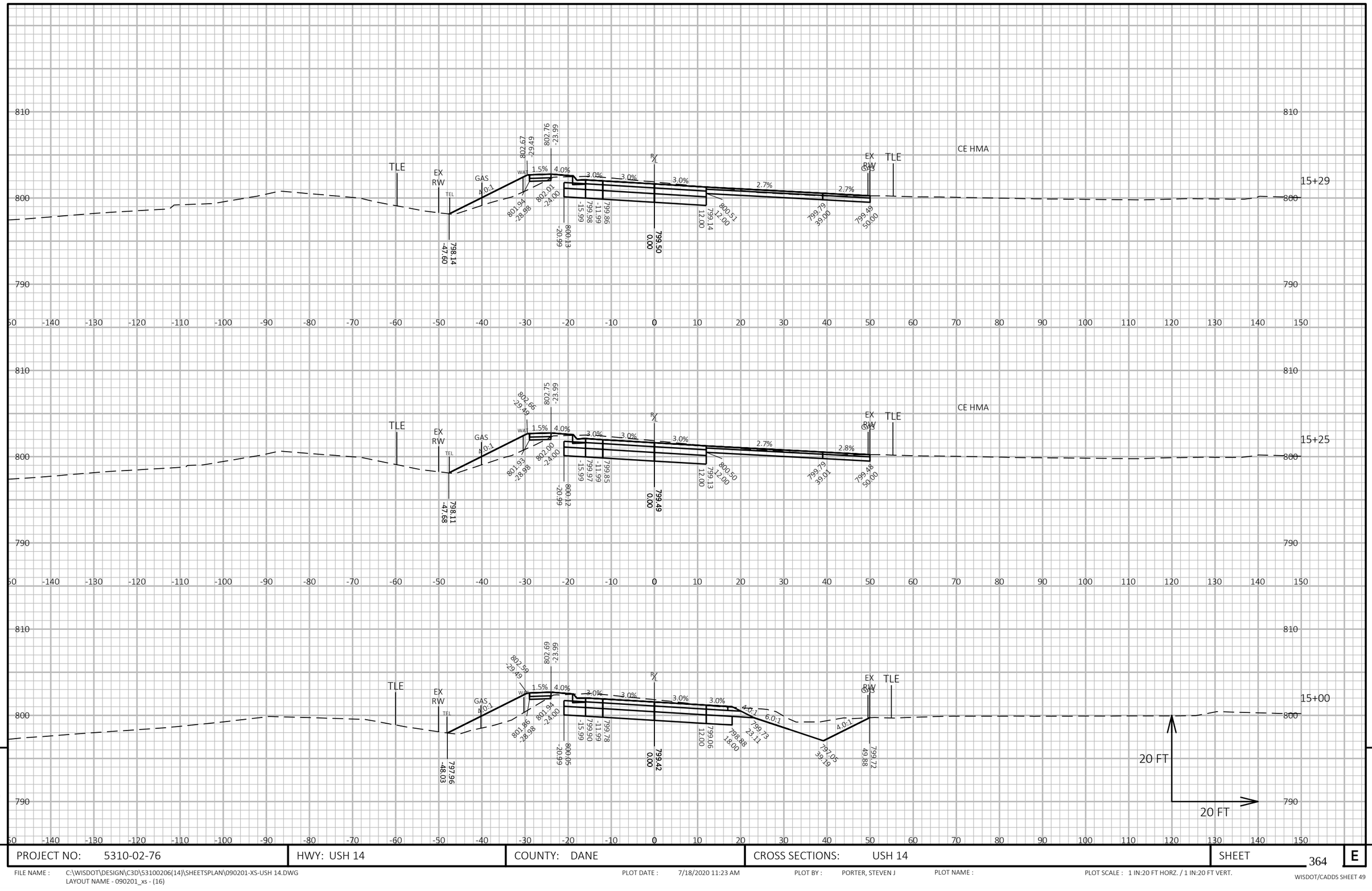
PLOT DATE : 7/18/2020 11:22 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 364	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (16)
PLOT DATE : 7/18/2020 11:23 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 365	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (17)

PLOT DATE : 7/18/2020 11:23 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 366	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (18)

PLOT DATE : 7/18/2020 11:24 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 367	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (19)

PLOT DATE : 7/18/2020 11:24 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 368	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (20)

PLOT DATE : 7/18/2020 11:24 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 369	E

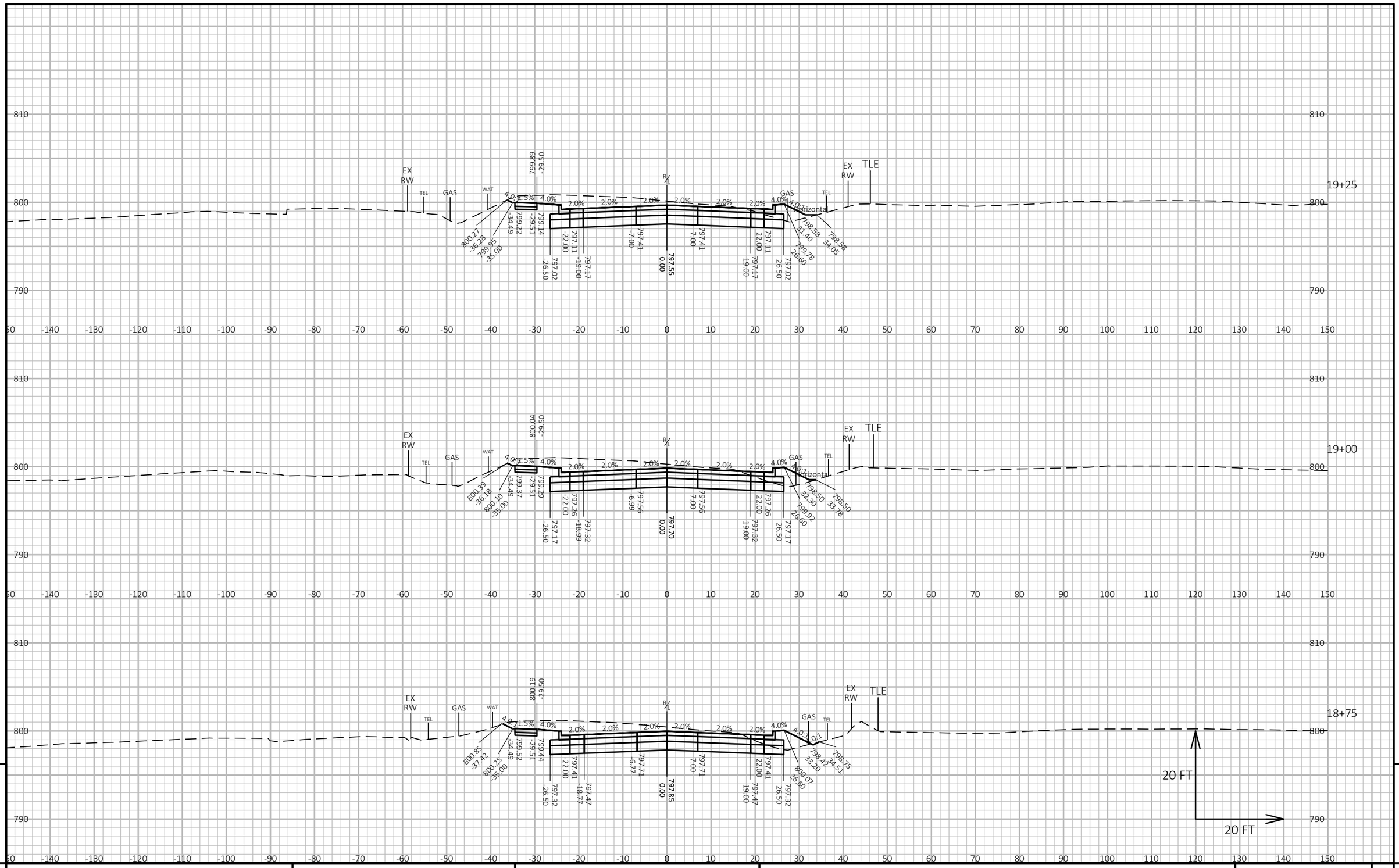
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (21)

PLOT DATE : 7/18/2020 11:25 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

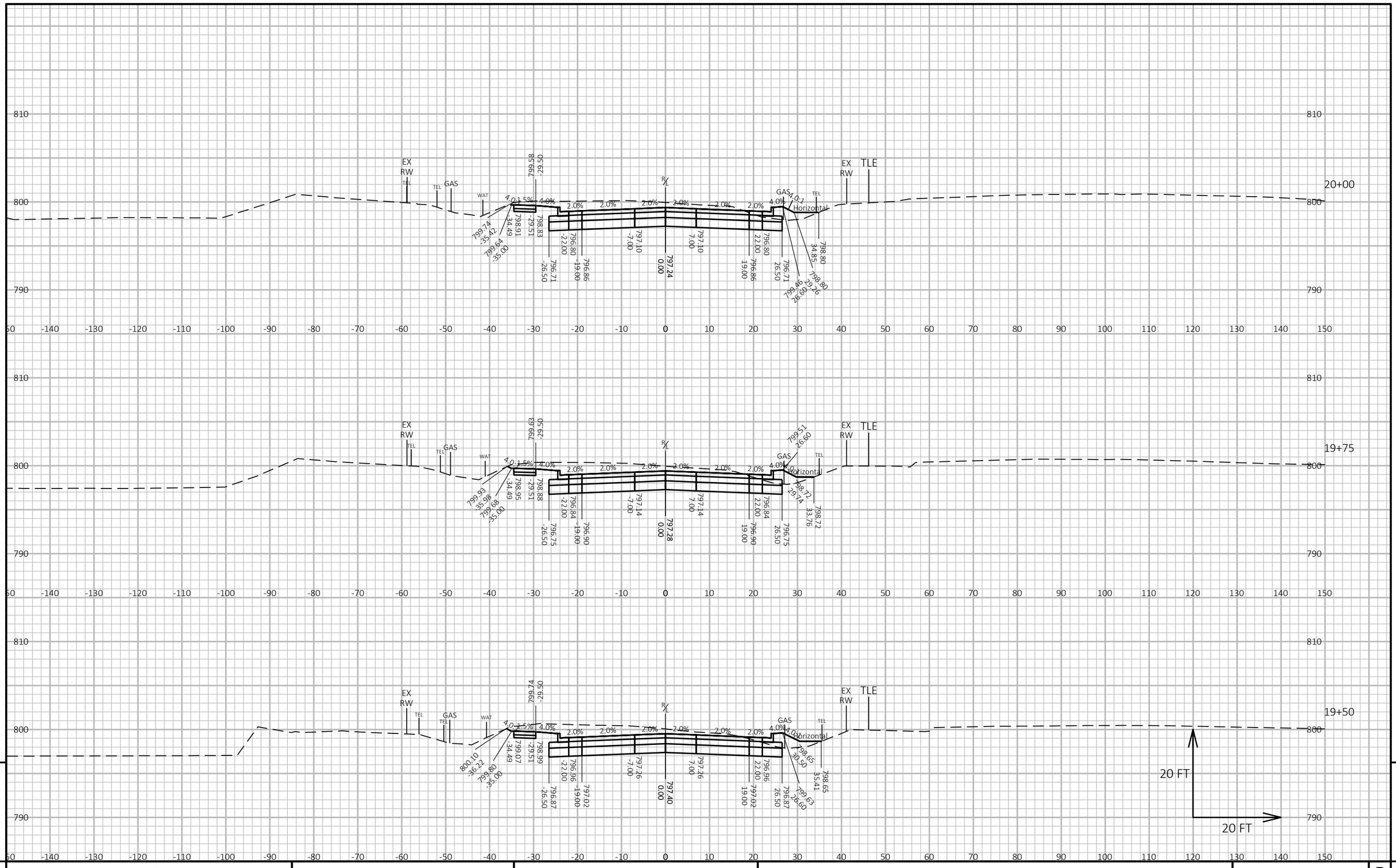


9 9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 370	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (22)

PLOT DATE : 7/18/2020 11:25 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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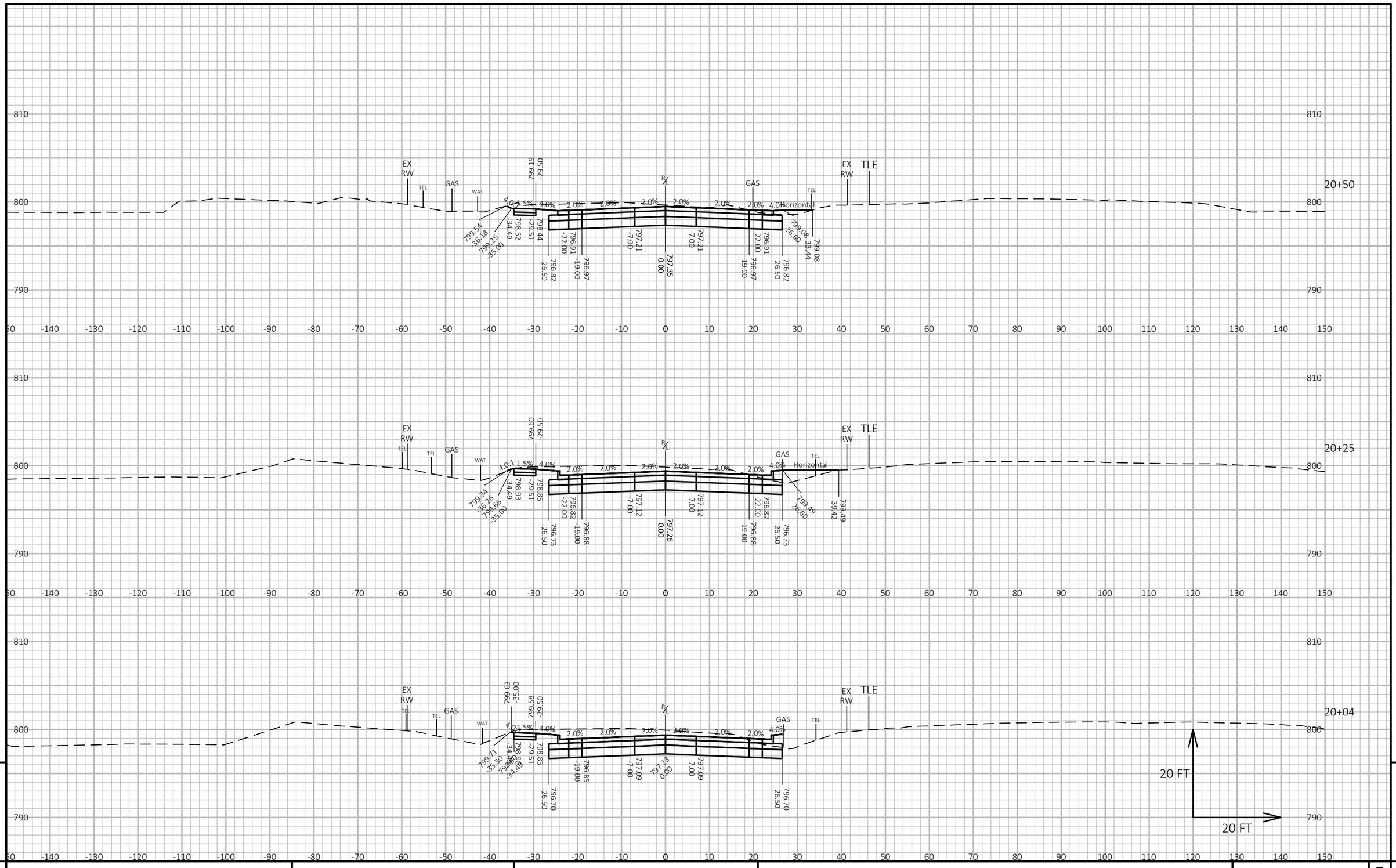
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 371	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (23)

PLOT DATE : 7/18/2020 11:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

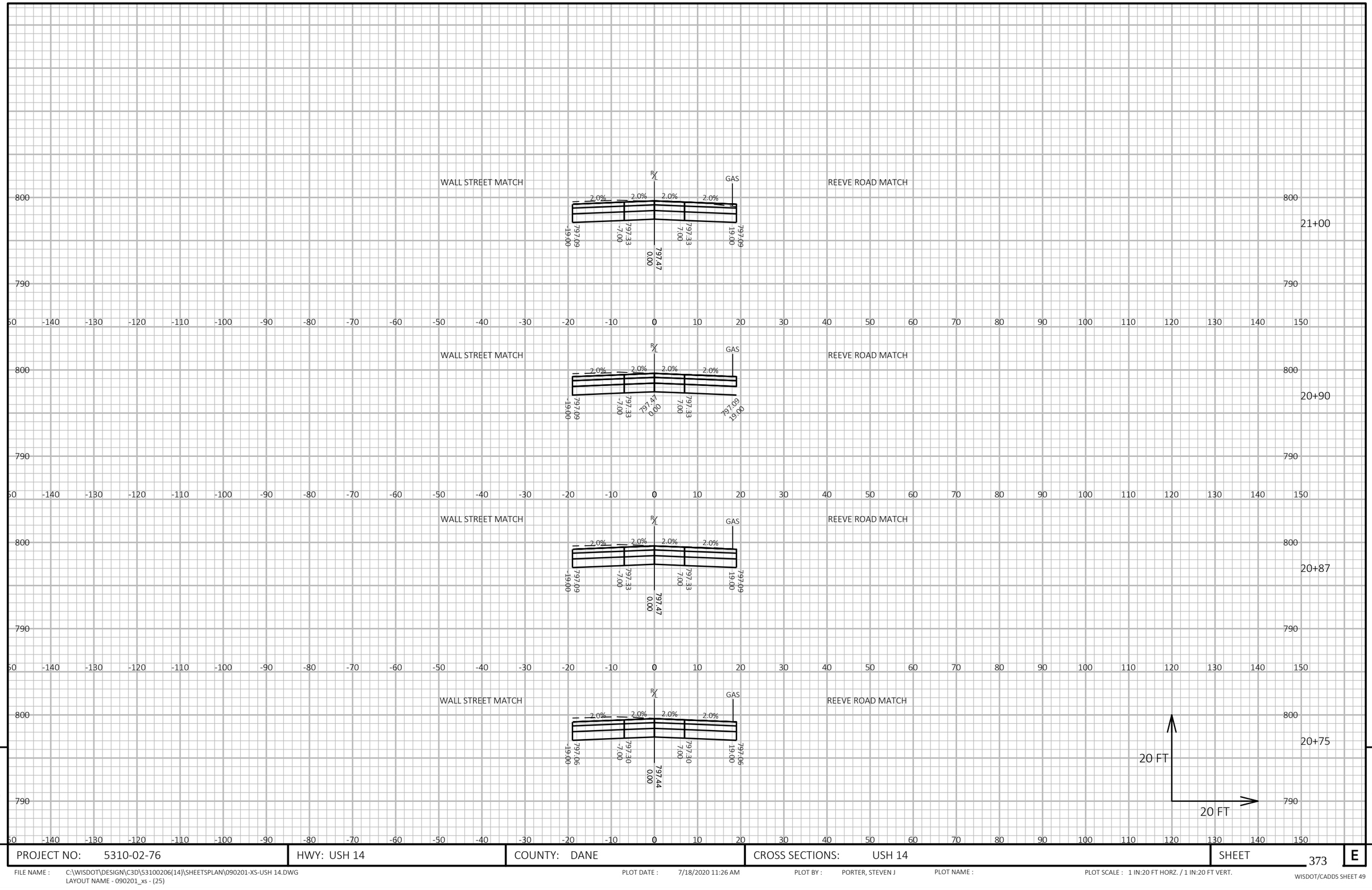
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 372	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (24)

PLOT DATE : 7/18/2020 11:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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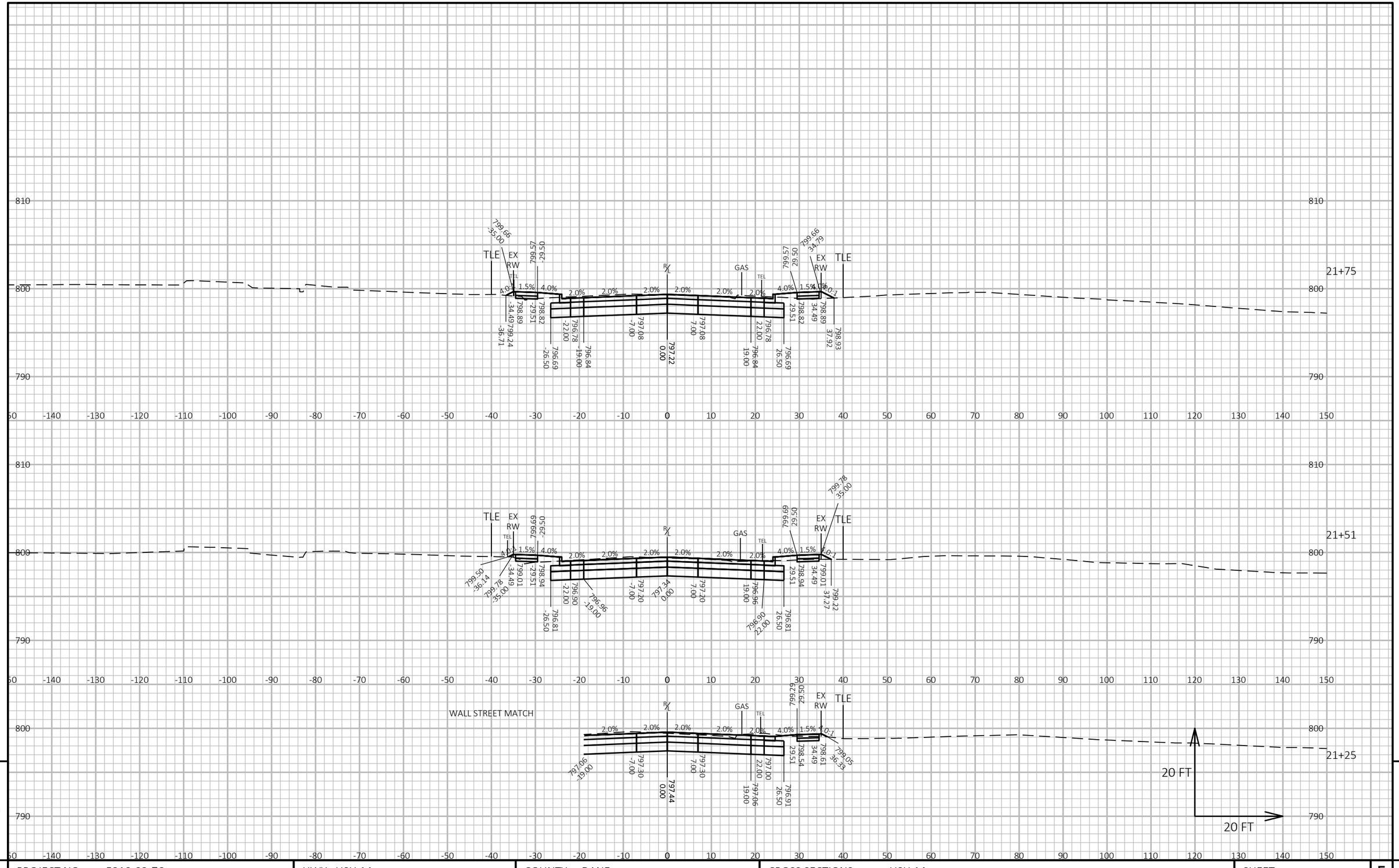
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 373	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (25)

PLOT DATE : 7/18/2020 11:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 374	E

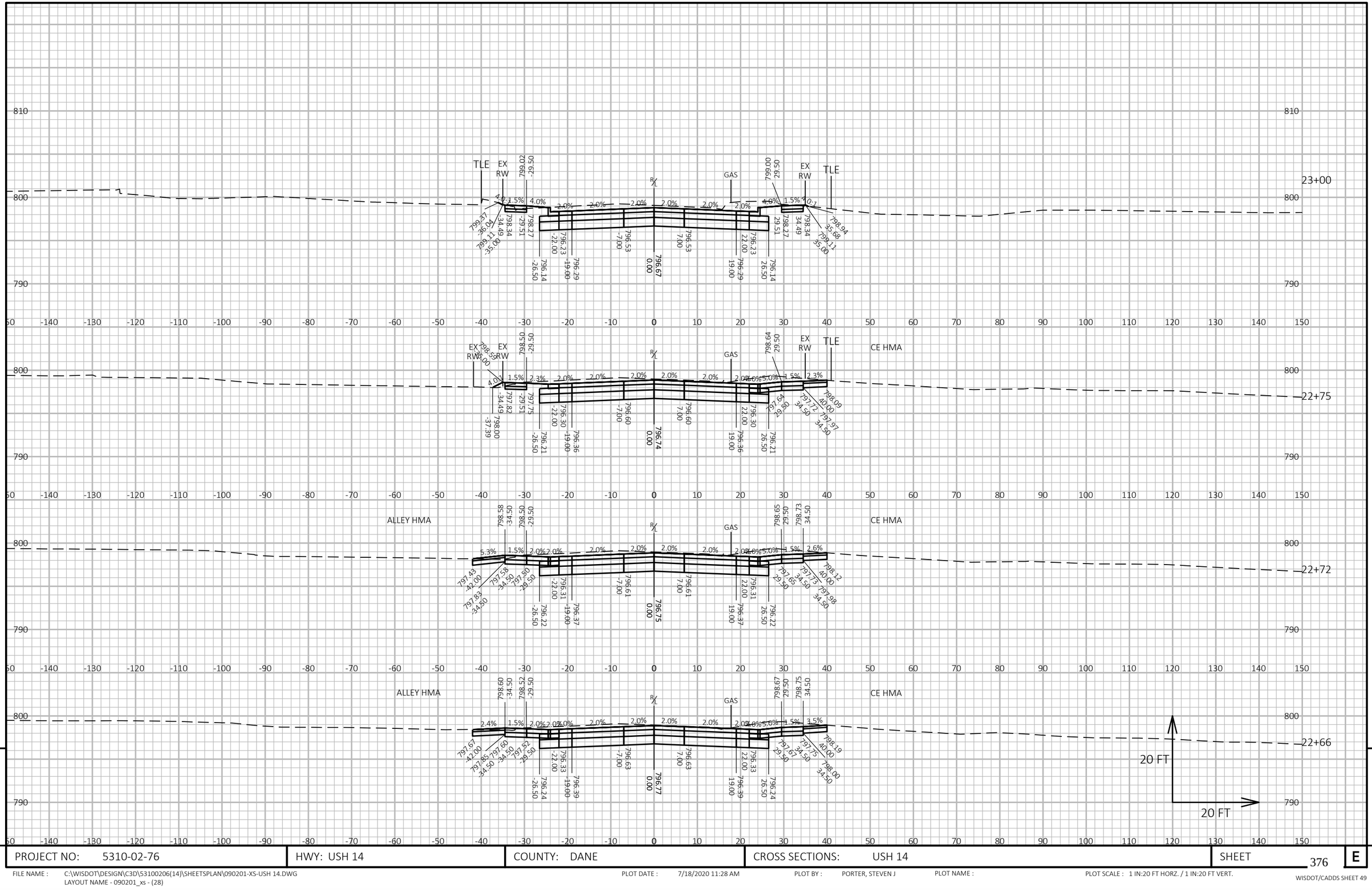
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (26)

PLOT DATE : 7/18/2020 11:27 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 375	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (27)
PLOT DATE : 7/18/2020 11:27 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

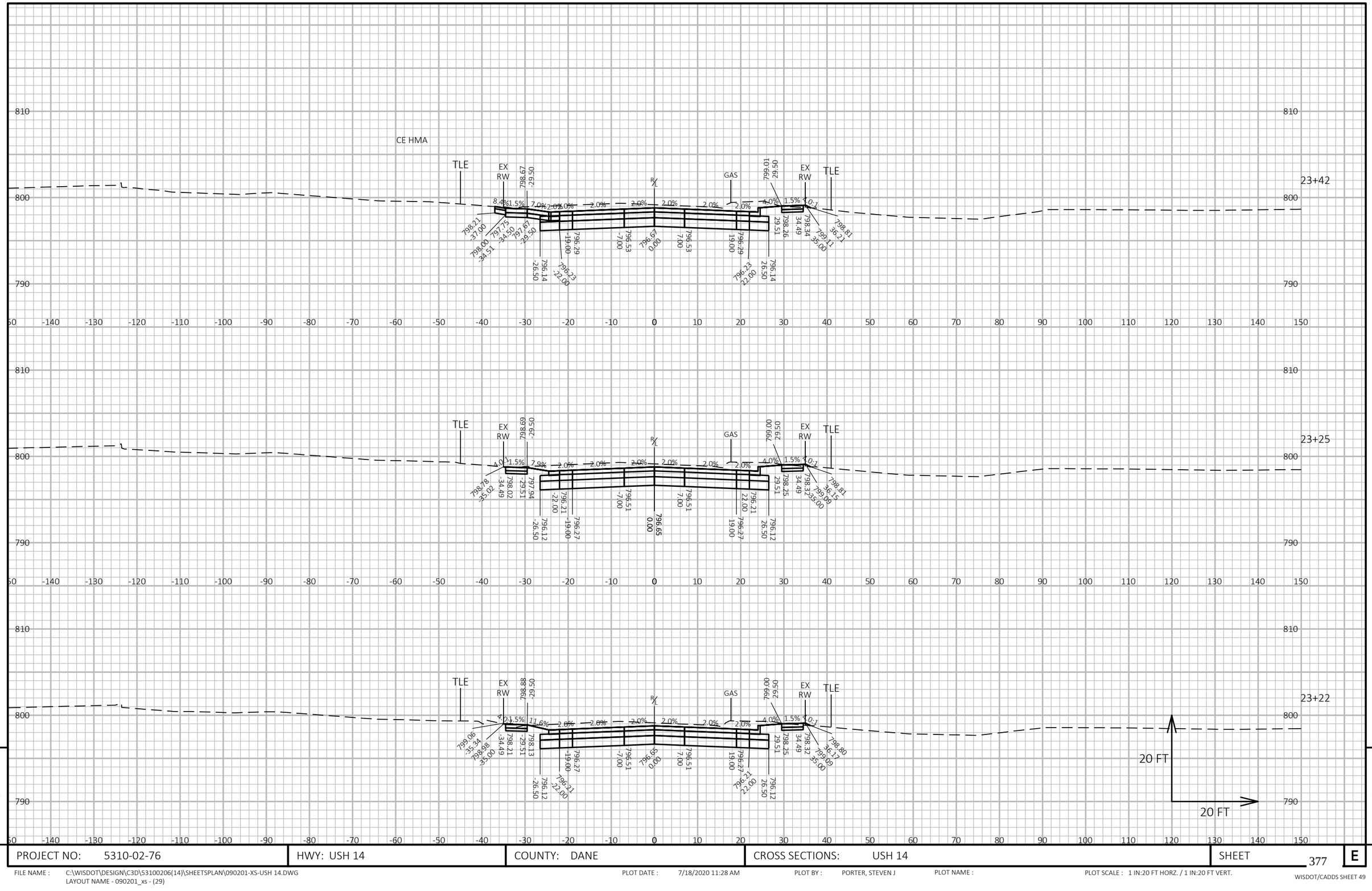


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 376	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (28)

PLOT DATE : 7/18/2020 11:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 377	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (29)

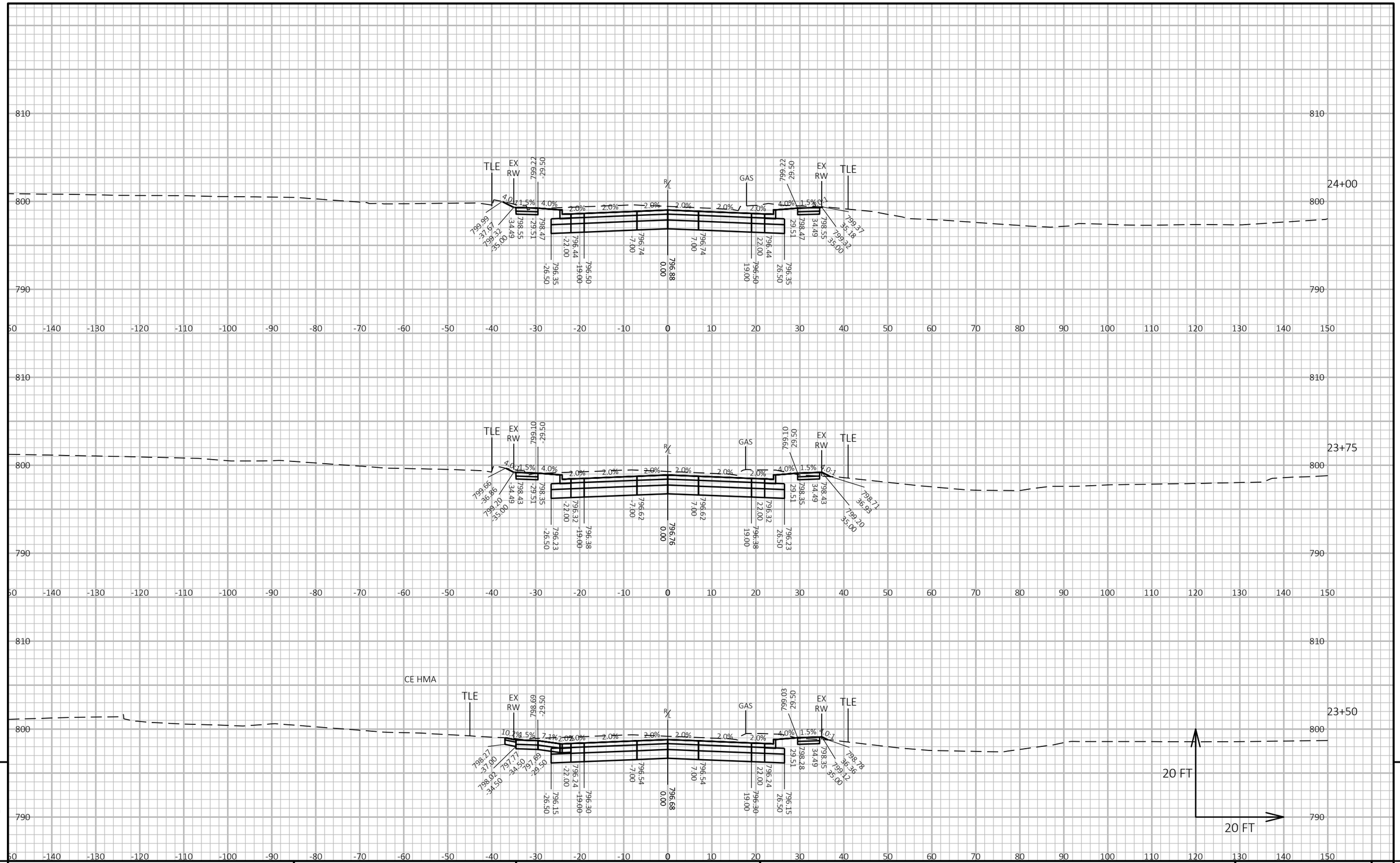
PLOT DATE : 7/18/2020 11:28 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 378	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (30)

PLOT DATE : 7/18/2020 11:28 AM

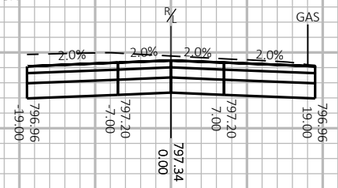
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

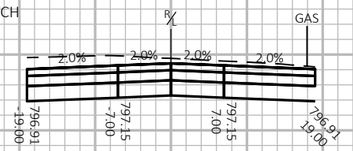
NORTH CROCKER STREET MATCH



SOUTH CROCKER STREET MATCH

24+75

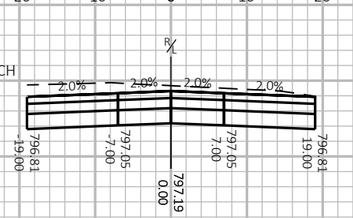
NORTH CROCKER STREET MATCH



SOUTH CROCKER STREET MATCH

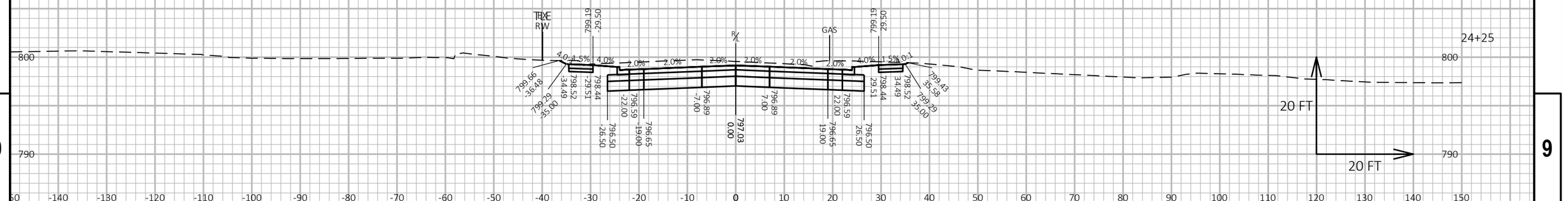
24+67

NORTH CROCKER STREET MATCH



SOUTH CROCKER STREET MATCH

24+50



24+25

20 FT

20 FT

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 379	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (31)

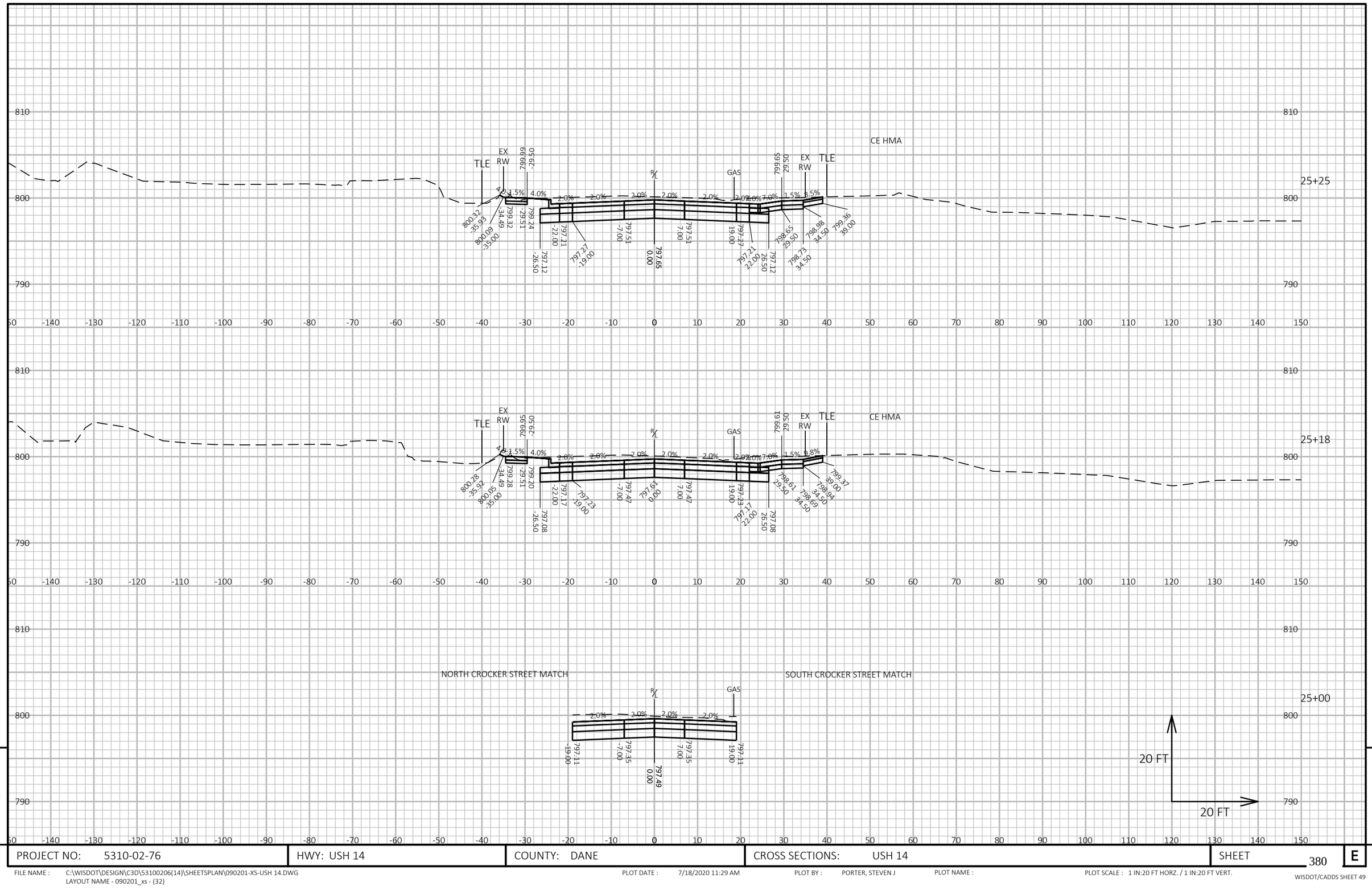
PLOT DATE : 7/18/2020 11:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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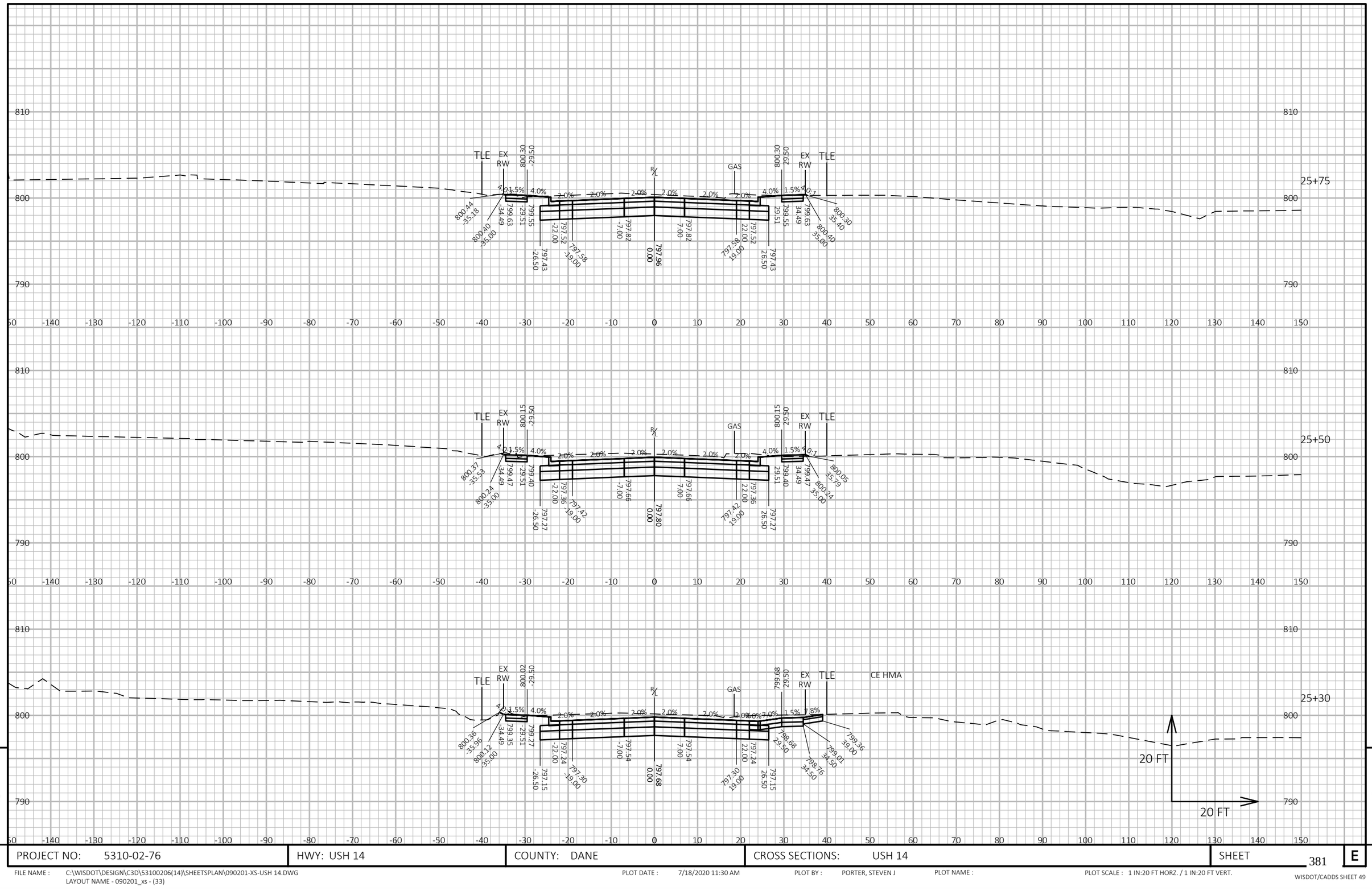
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 380	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (32)

PLOT DATE : 7/18/2020 11:29 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

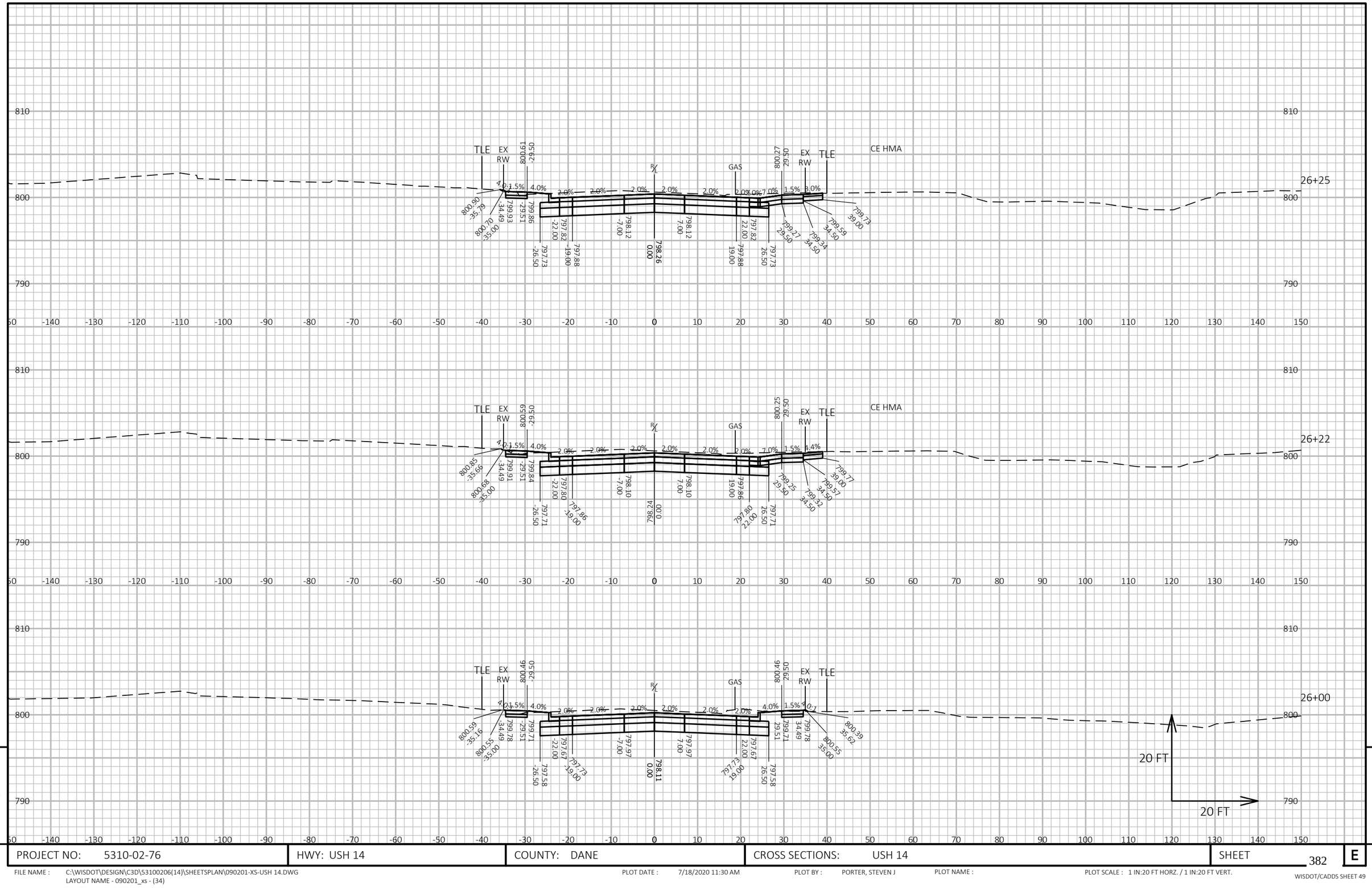


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 381 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (33)

PLOT DATE : 7/18/2020 11:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 382	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (34)

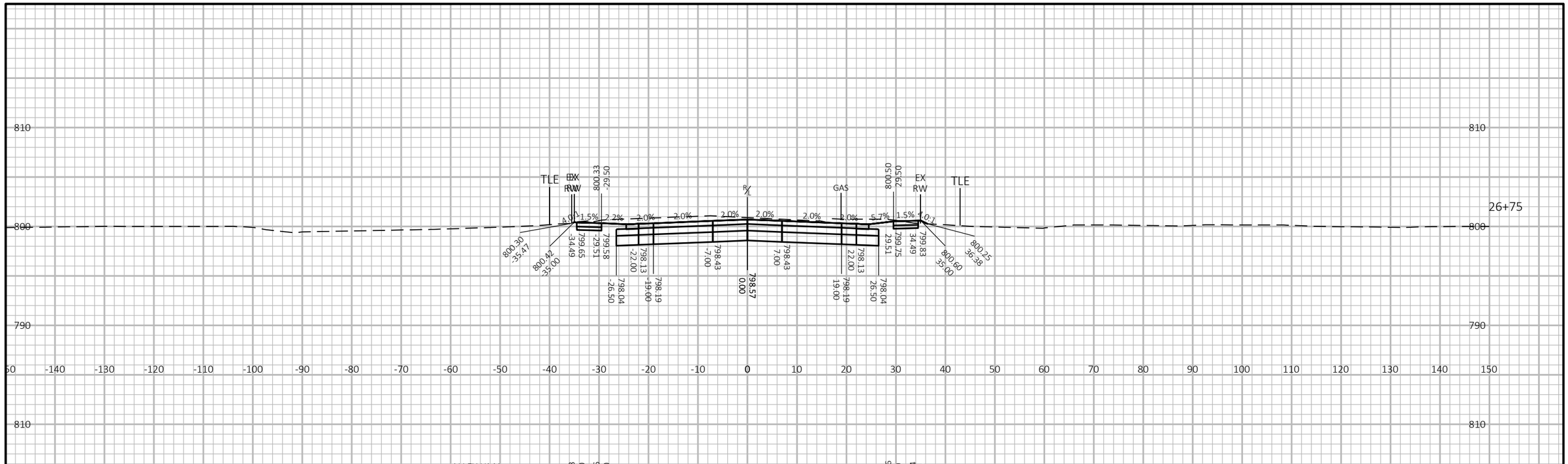
PLOT DATE : 7/18/2020 11:30 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 383	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (35)

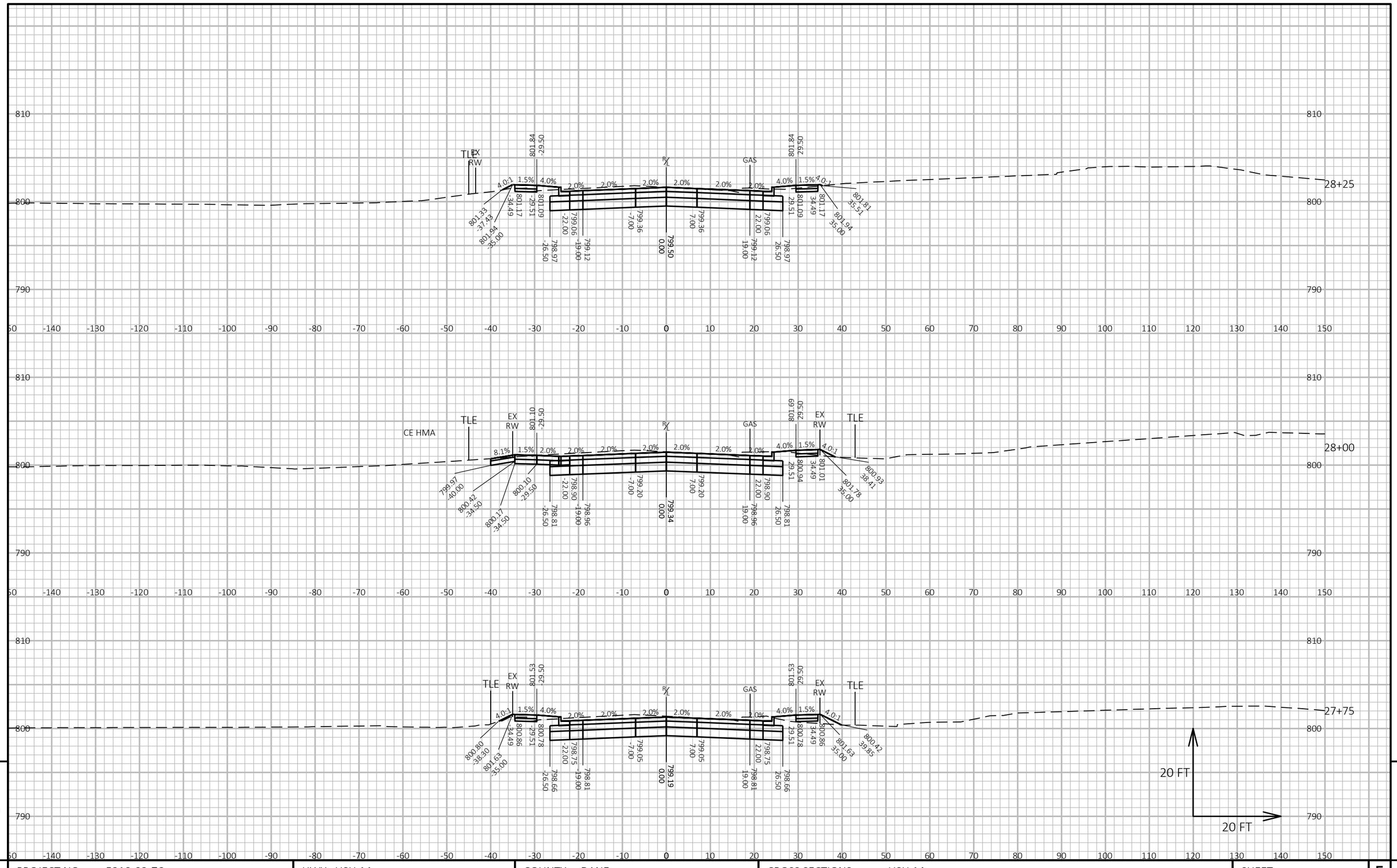
PLOT DATE : 7/18/2020 11:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 384	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (36)

PLOT DATE : 7/18/2020 11:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 385	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (37)

PLOT DATE : 7/18/2020 11:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

9

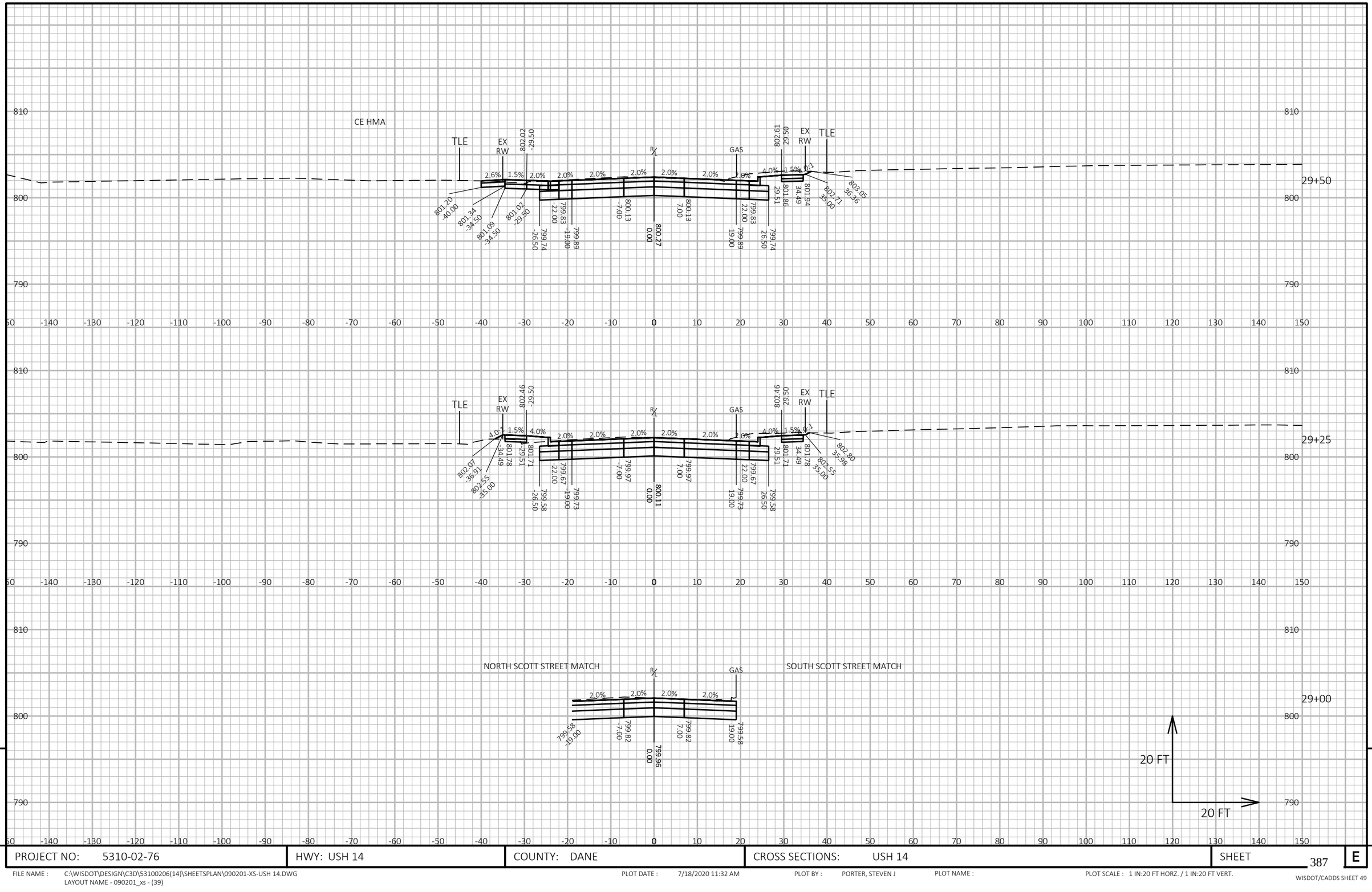
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 386	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (38)

PLOT DATE : 7/18/2020 11:32 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 387	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (39)

PLOT DATE : 7/18/2020 11:32 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

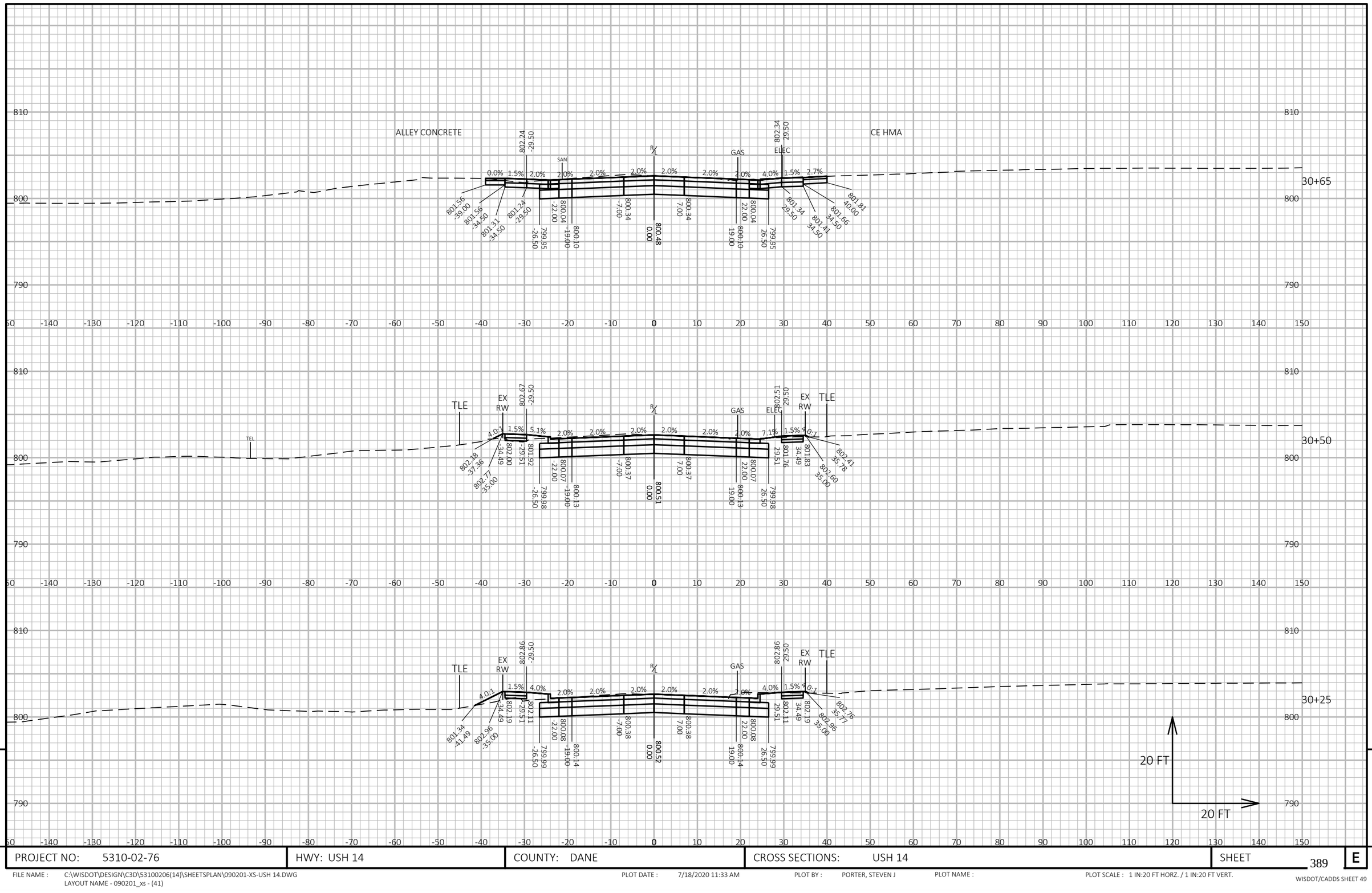
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 388	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (40)

PLOT DATE : 7/18/2020 11:32 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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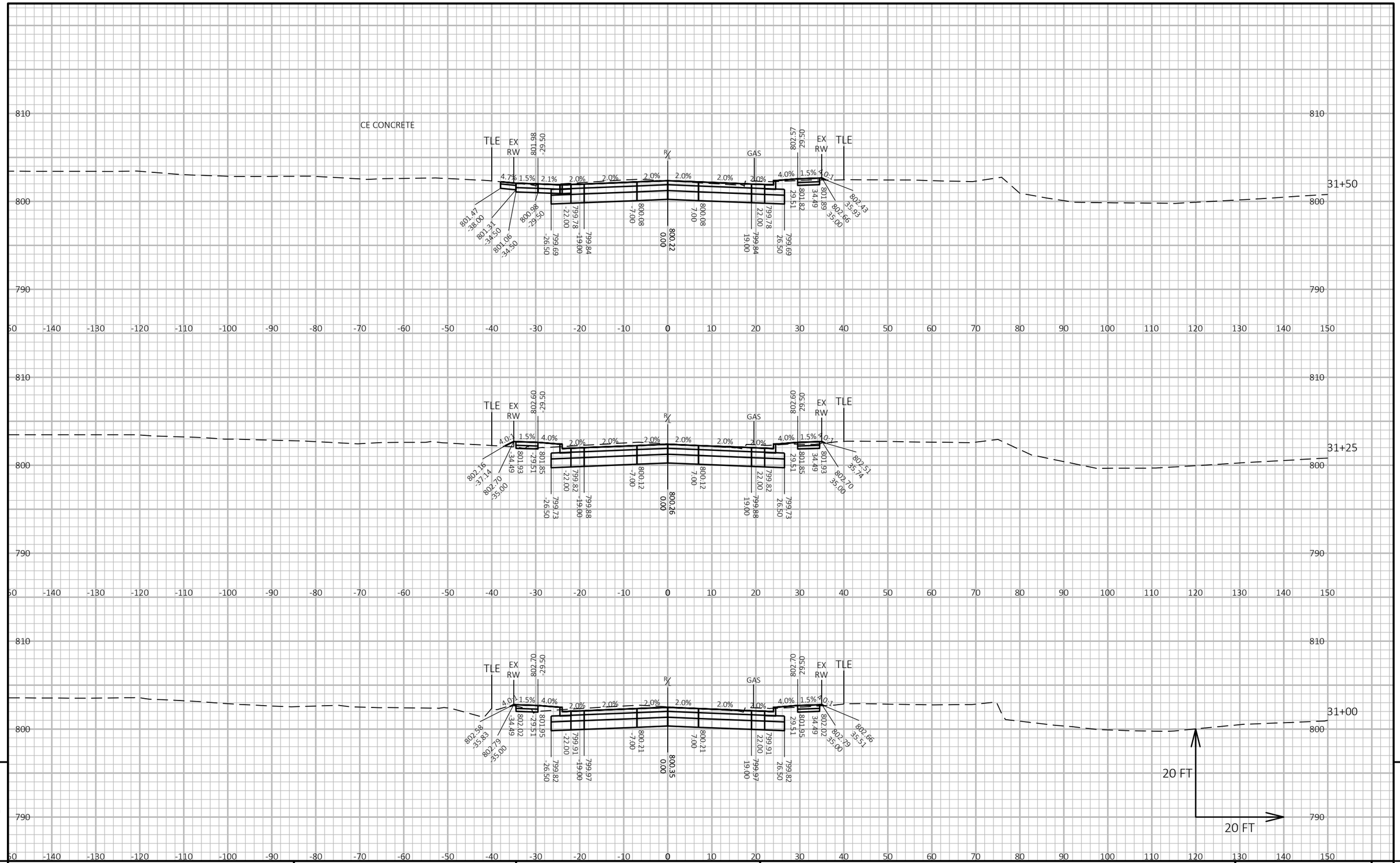
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 389	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (41)

PLOT DATE : 7/18/2020 11:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 390	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (42)

PLOT DATE : 7/18/2020 11:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 391	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (43)

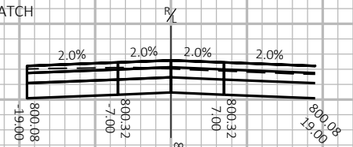
PLOT DATE : 7/18/2020 11:33 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

32+66

NORTH BRODHEAD STREET MATCH

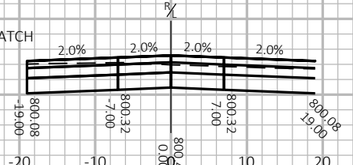
SOUTH BRODHEAD STREET MATCH



32+64

NORTH BRODHEAD STREET MATCH

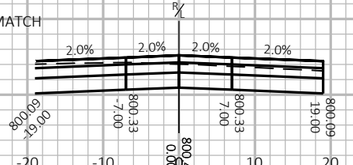
SOUTH BRODHEAD STREET MATCH



32+50

NORTH BRODHEAD STREET MATCH

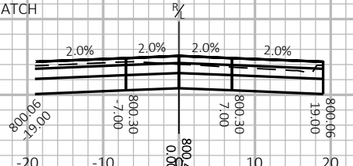
SOUTH BRODHEAD STREET MATCH



32+25

NORTH BRODHEAD STREET MATCH

SOUTH BRODHEAD STREET MATCH



9

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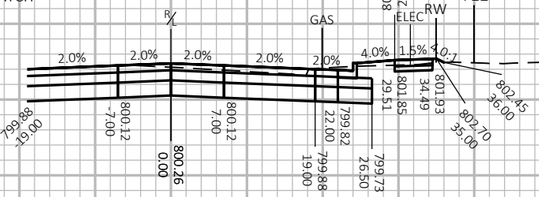
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 392	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (44)

PLOT DATE : 7/18/2020 11:34 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

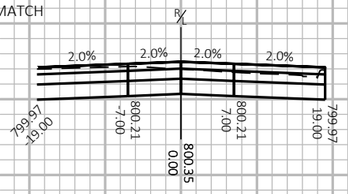
WISDOT/CADDS SHEET 49

NORTH BRODHEAD STREET MATCH



33+25

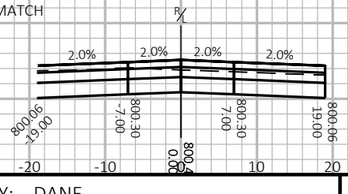
NORTH BRODHEAD STREET MATCH



SOUTH BRODHEAD STREET MATCH

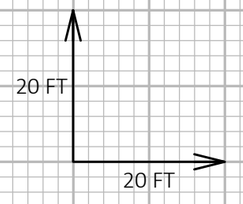
33+00

NORTH BRODHEAD STREET MATCH



SOUTH BRODHEAD STREET MATCH

32+75



9

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 393	E

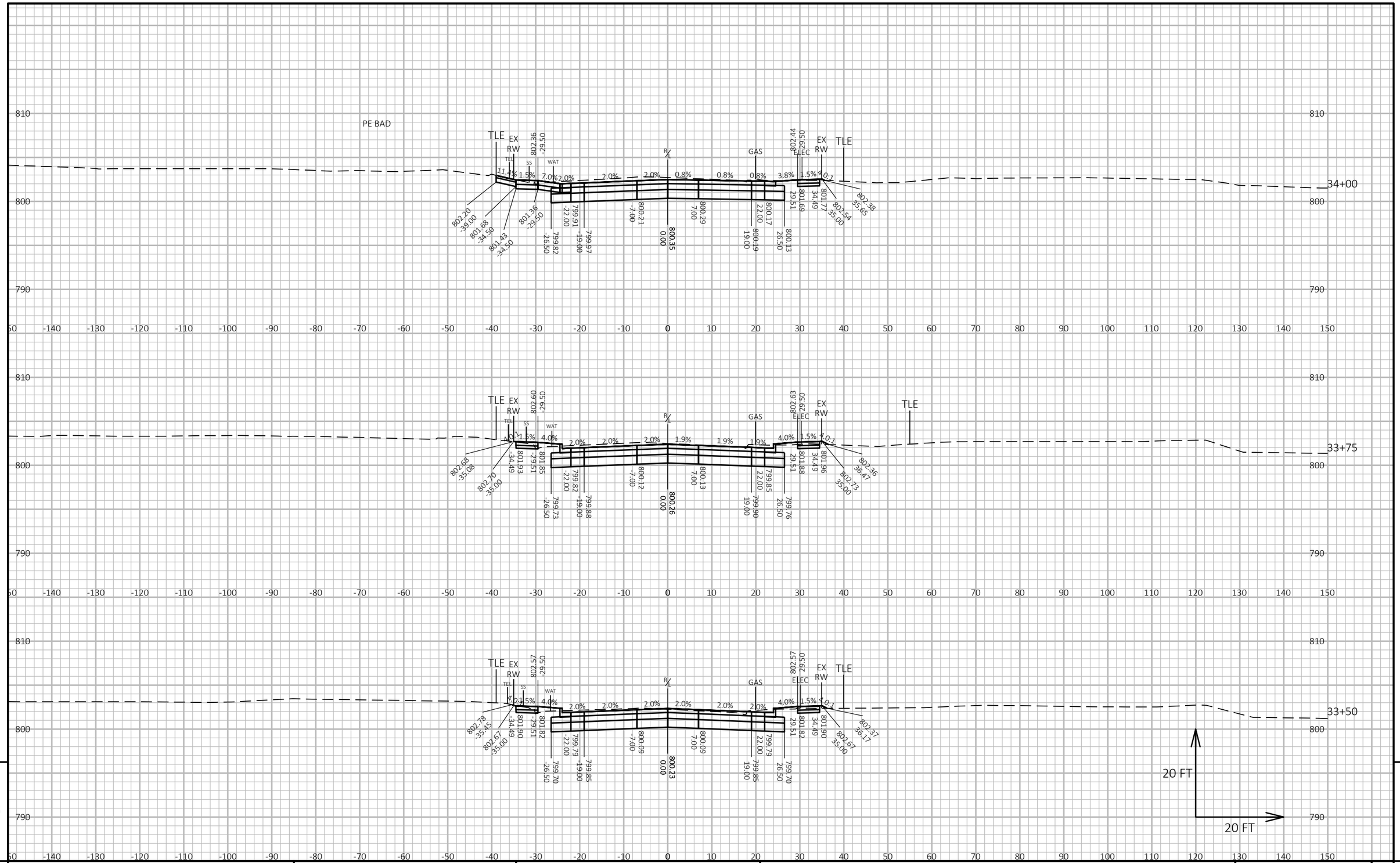
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (45)

PLOT DATE : 7/18/2020 11:34 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

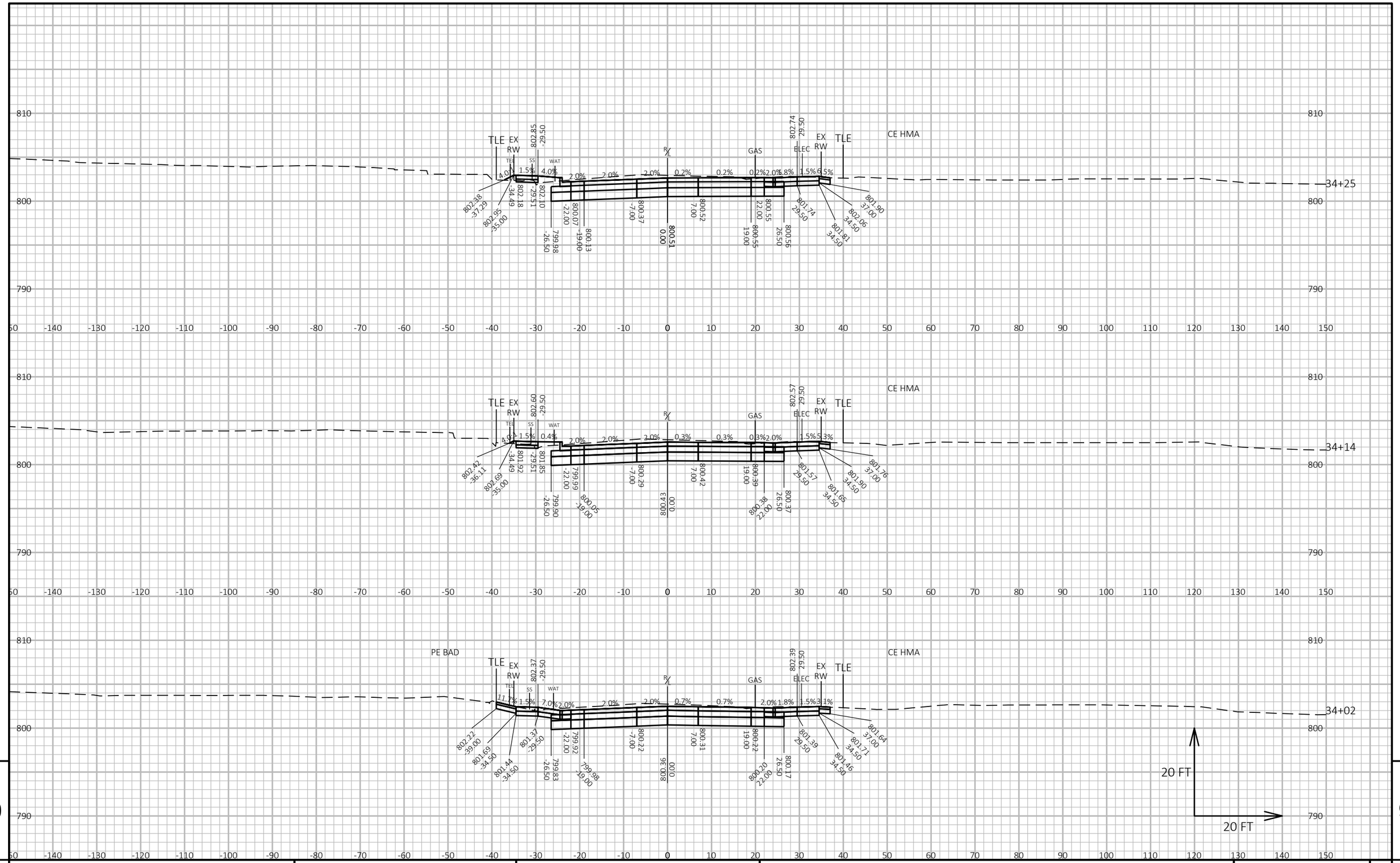
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 394	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (46)

PLOT DATE : 7/18/2020 11:34 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

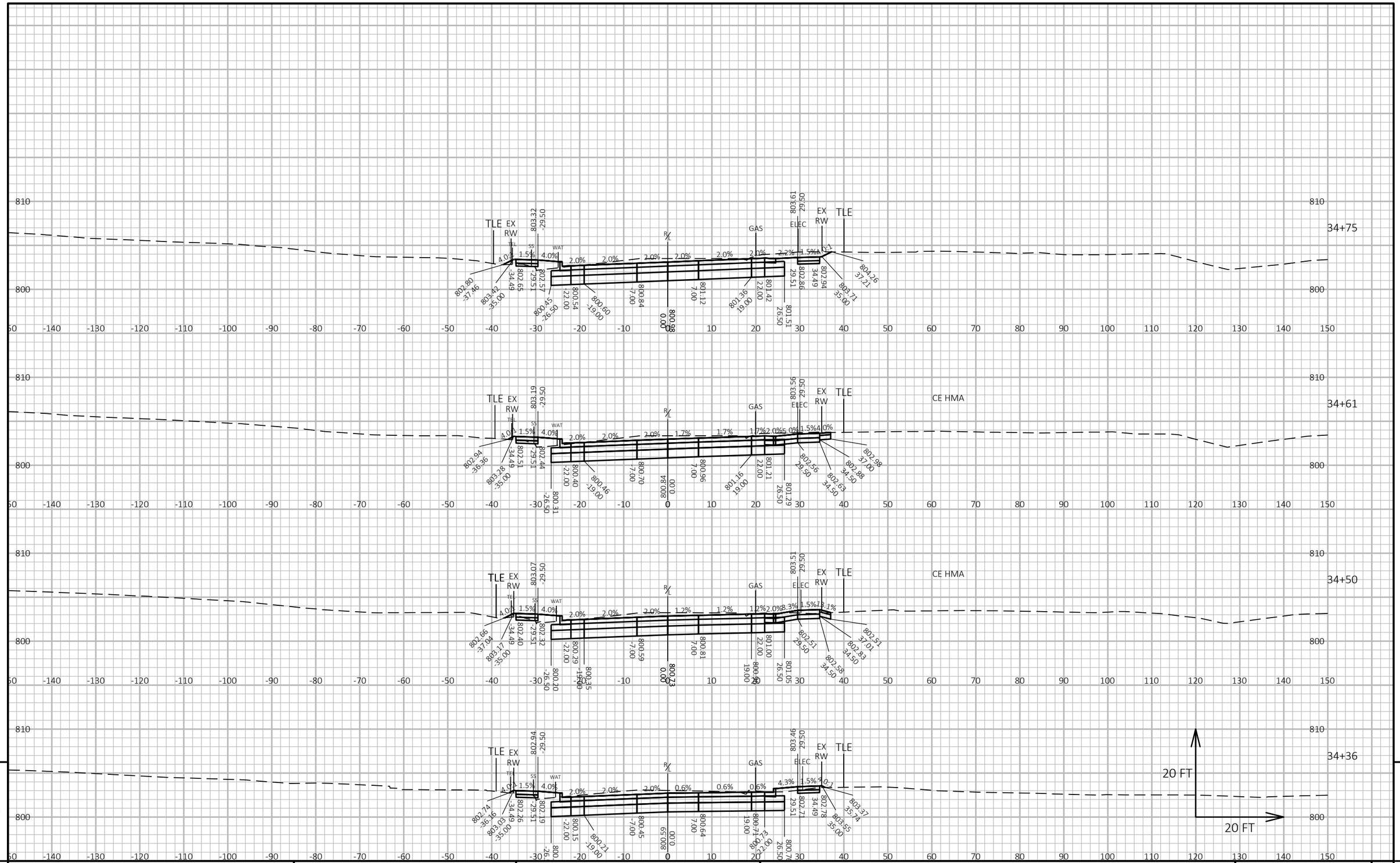
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 395	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (47)

PLOT DATE : 7/18/2020 11:35 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 396

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (48)

PLOT DATE : 7/18/2020 11:35 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 397	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (49)

PLOT DATE : 7/18/2020 11:35 AM

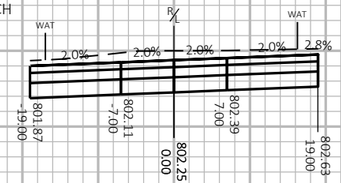
PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

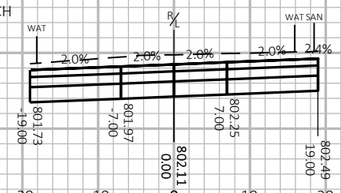
NORTH ELDRED STREET MATCH



SOUTH ELDRED STREET MATCH

36+00

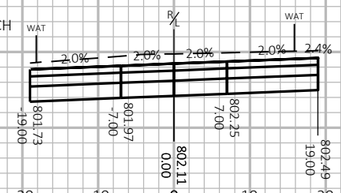
NORTH ELDRED STREET MATCH



SOUTH ELDRED STREET MATCH

35+87

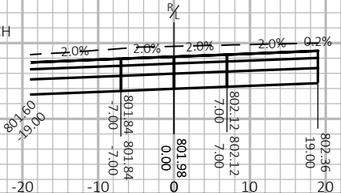
NORTH ELDRED STREET MATCH



SOUTH ELDRED STREET MATCH

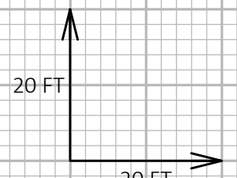
35+87

NORTH ELDRED STREET MATCH



SOUTH ELDRED STREET MATCH

35+75



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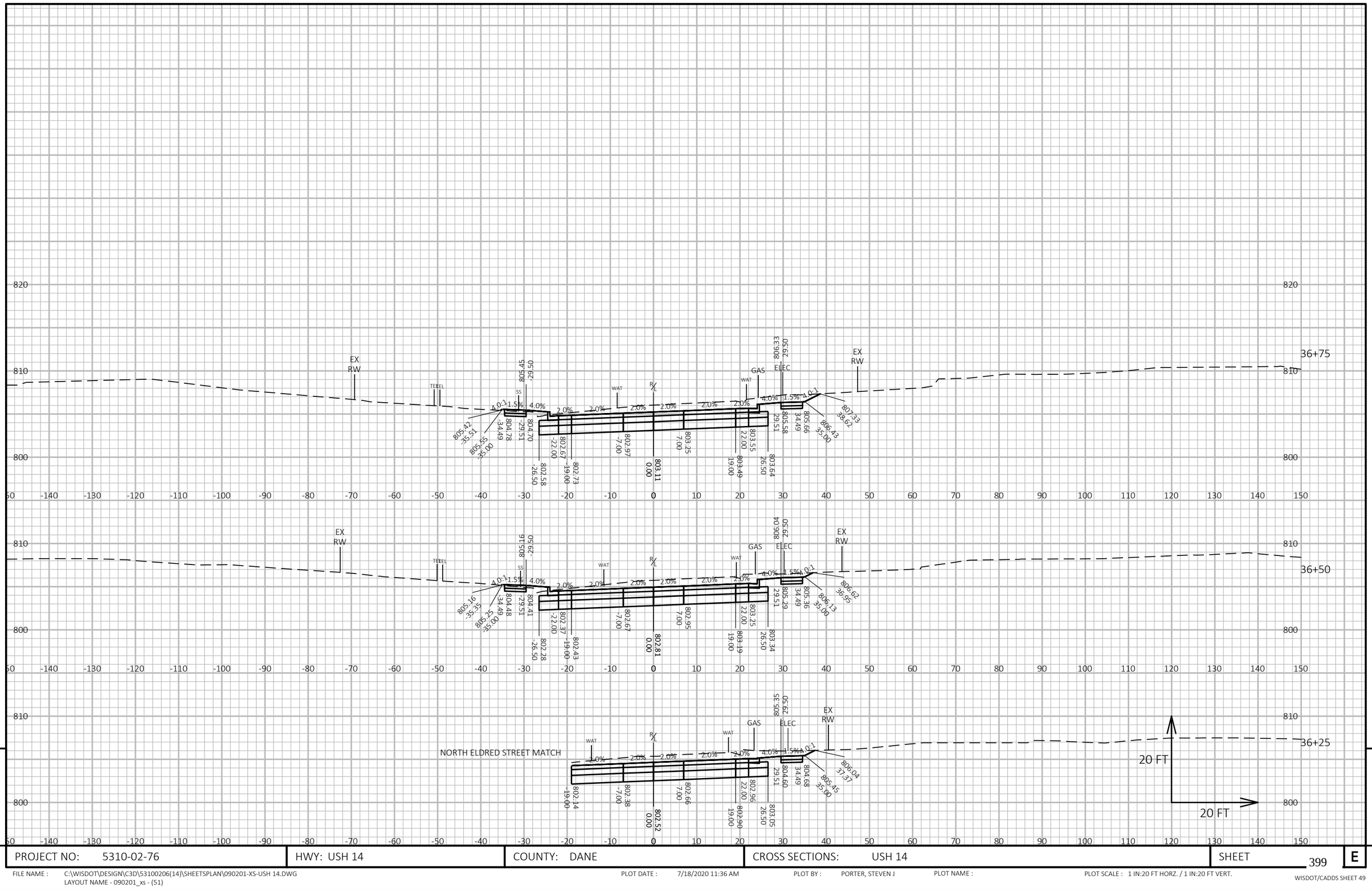
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 398	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (50)

PLOT DATE : 7/18/2020 11:35 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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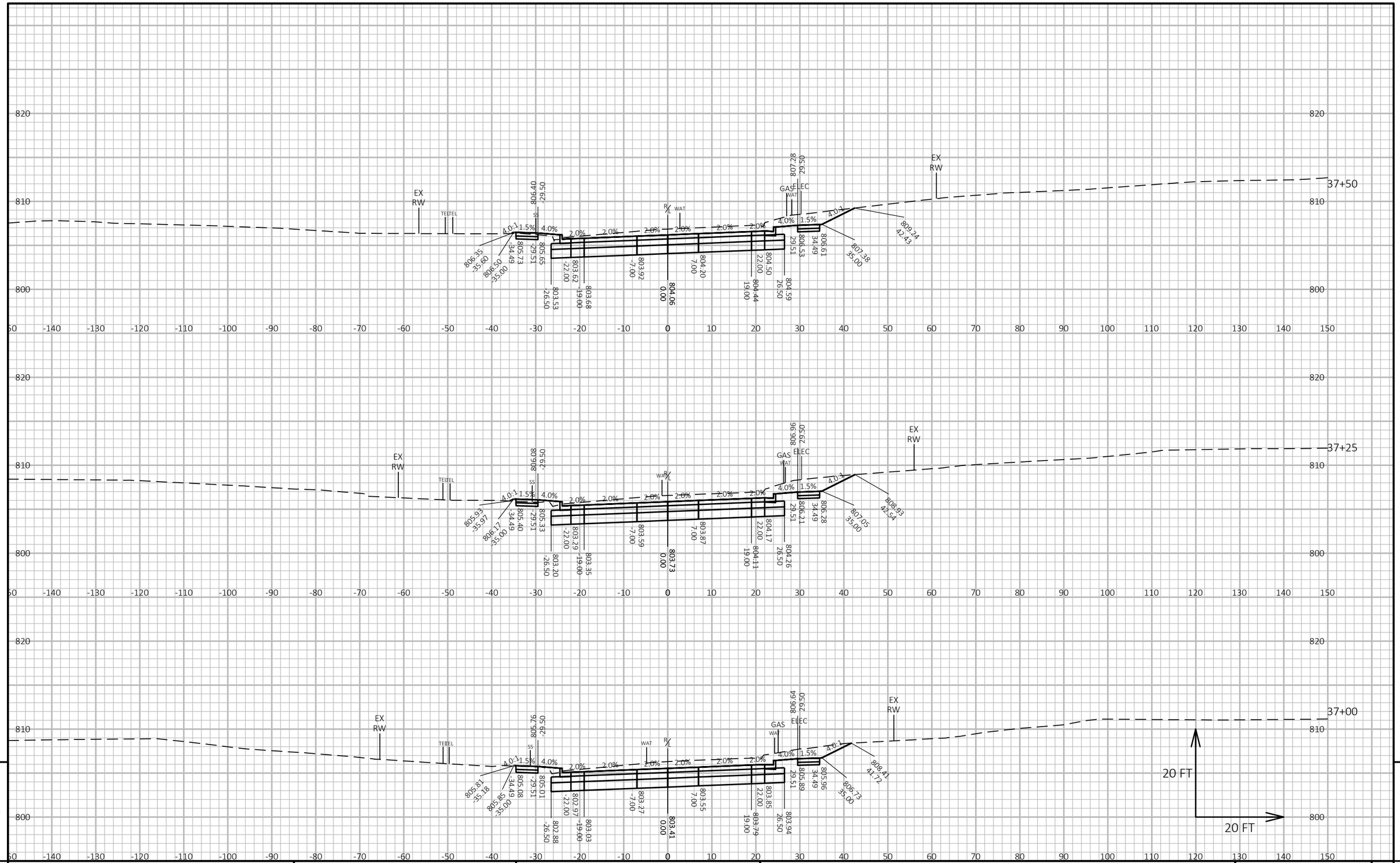
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 399	E



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 400	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (52)

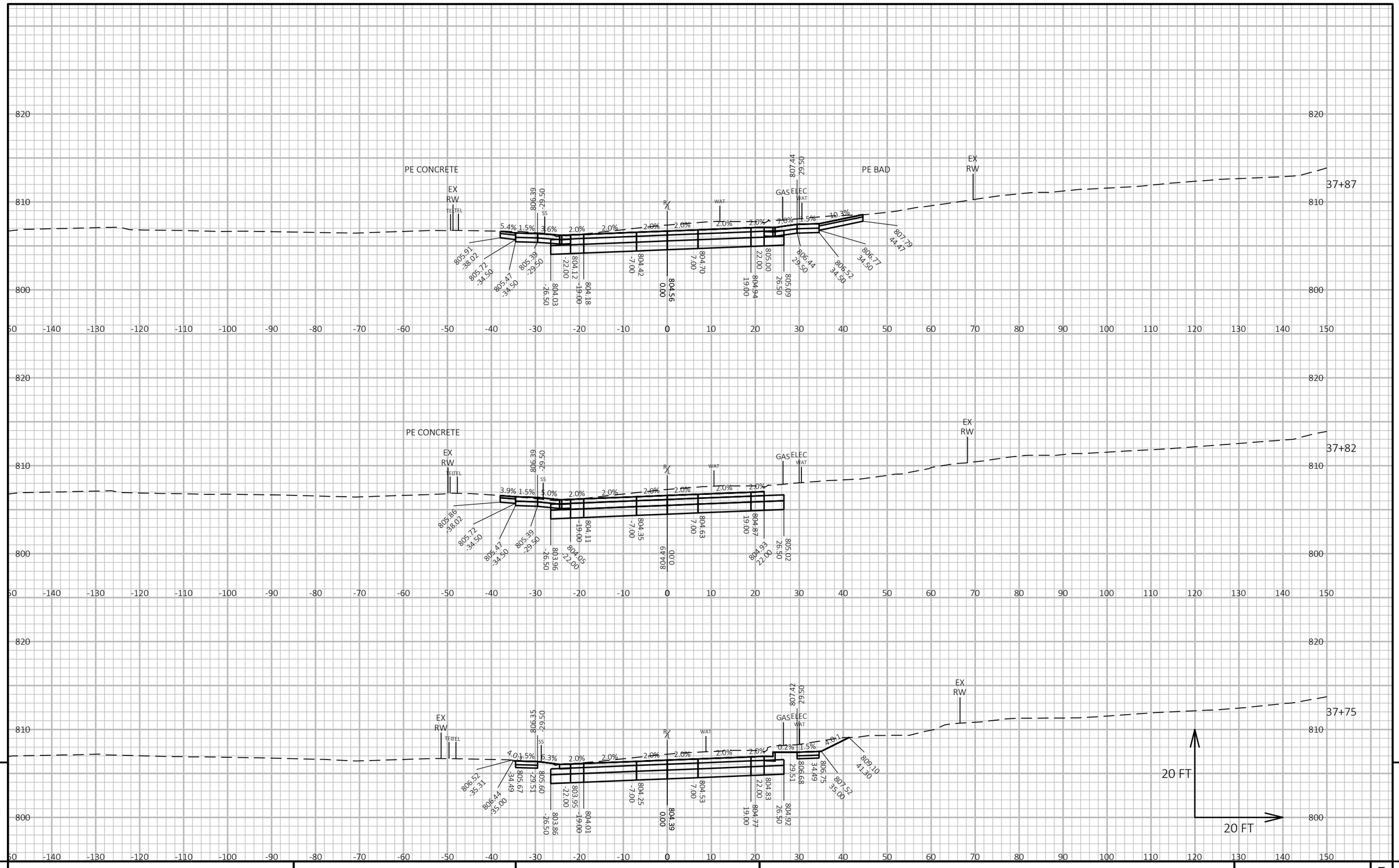
PLOT DATE : 7/18/2020 11:36 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 401	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (53)

PLOT DATE : 7/18/2020 11:36 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

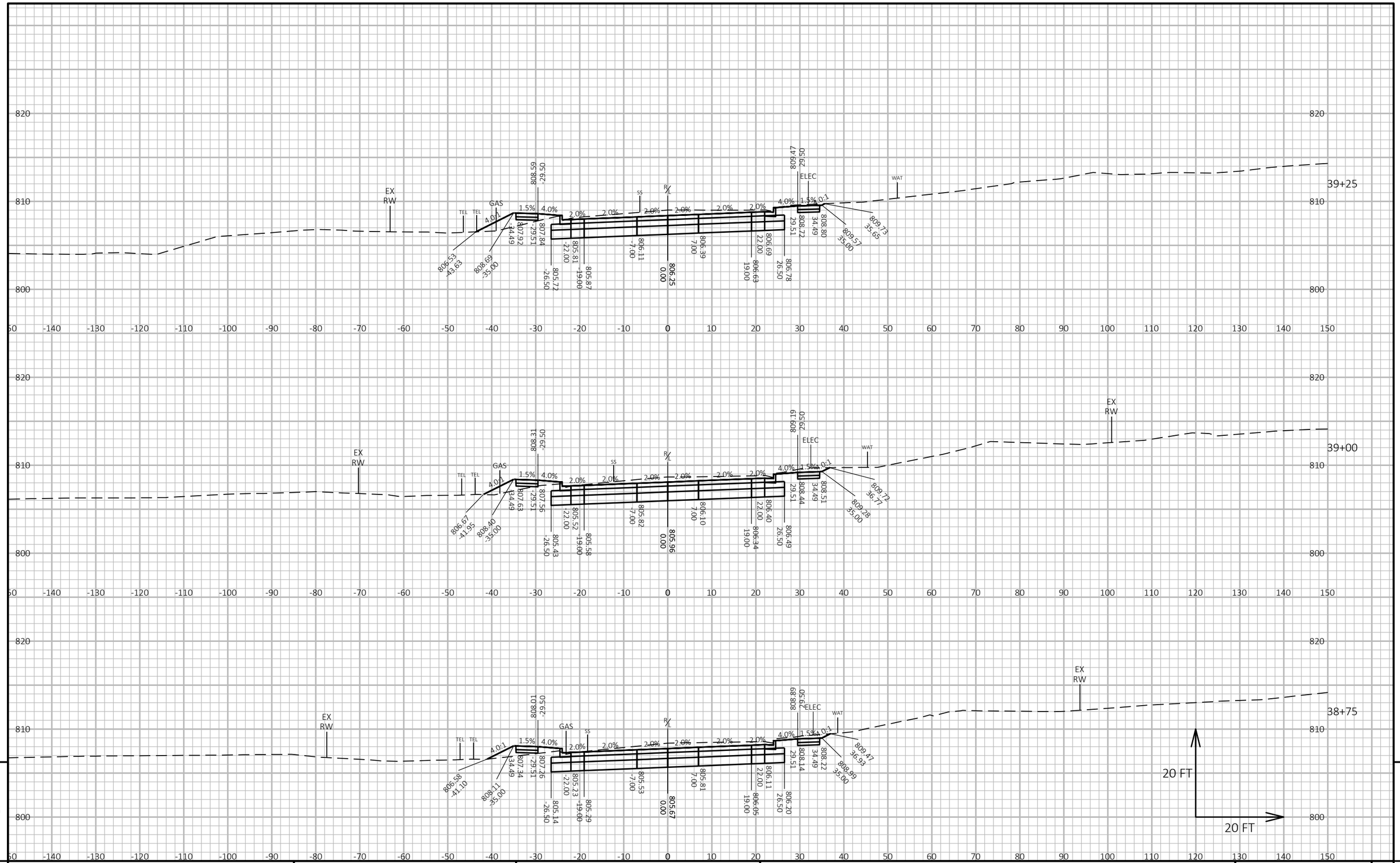
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 402	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (54)

PLOT DATE : 7/18/2020 11:37 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 403	E

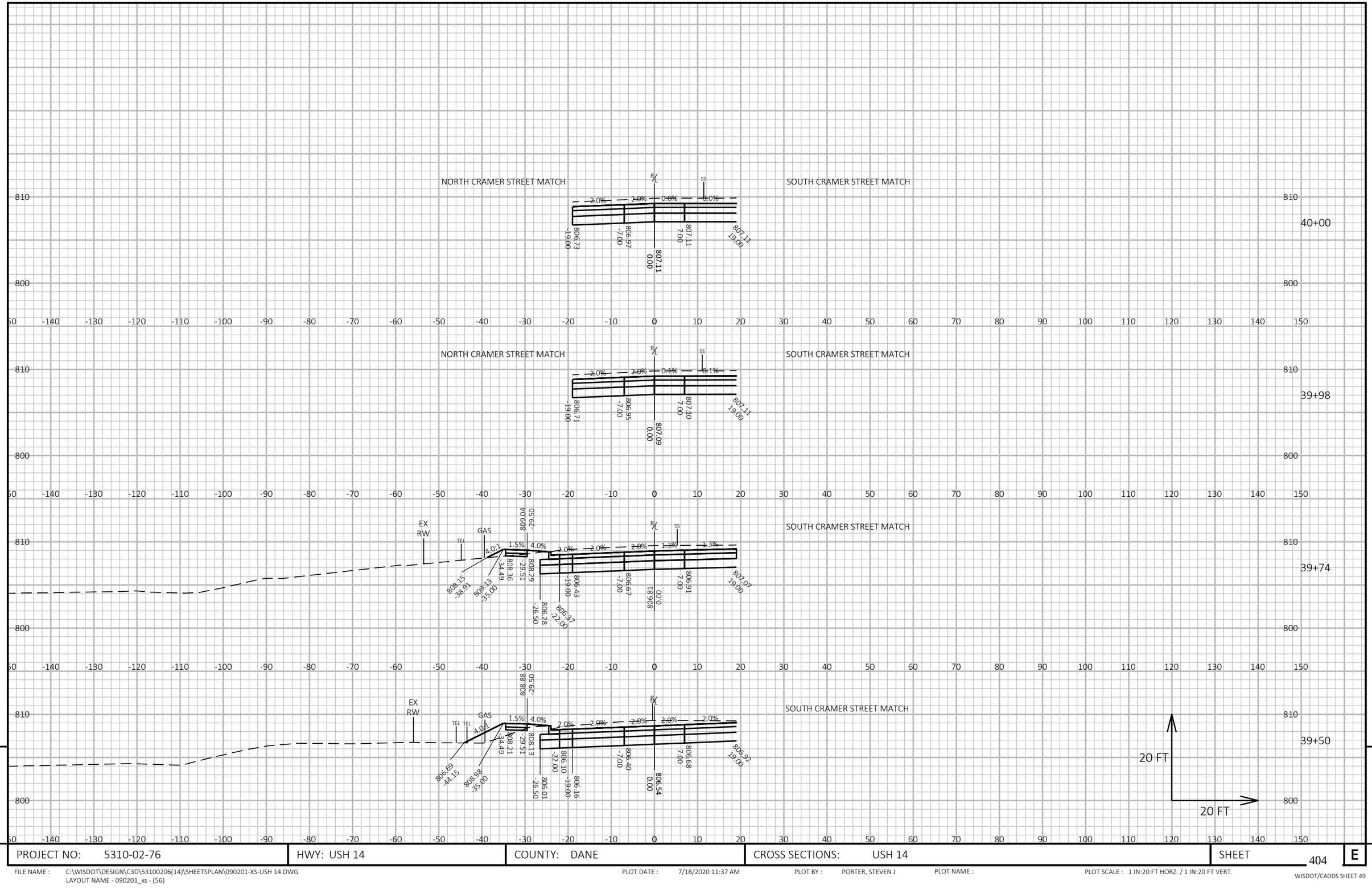
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (55)

PLOT DATE : 7/18/2020 11:37 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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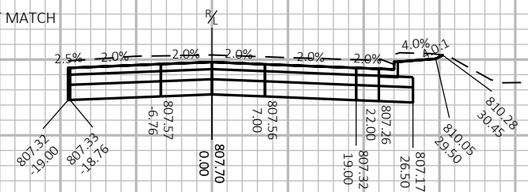
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 404	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (56)
PLOT DATE : 7/18/2020 11:37 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

NORTH CRAMER STREET MATCH



TEL

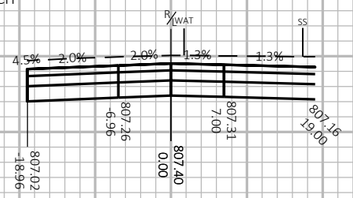
EX RW

EX RW

EX RW

40+50

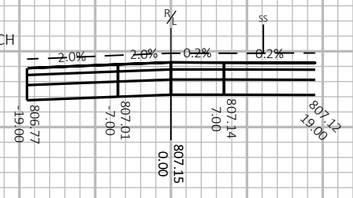
NORTH CRAMER STREET MATCH



SOUTH CRAMER STREET MATCH

40+25

NORTH CRAMER STREET MATCH



SOUTH CRAMER STREET MATCH

40+03

20 FT

20 FT

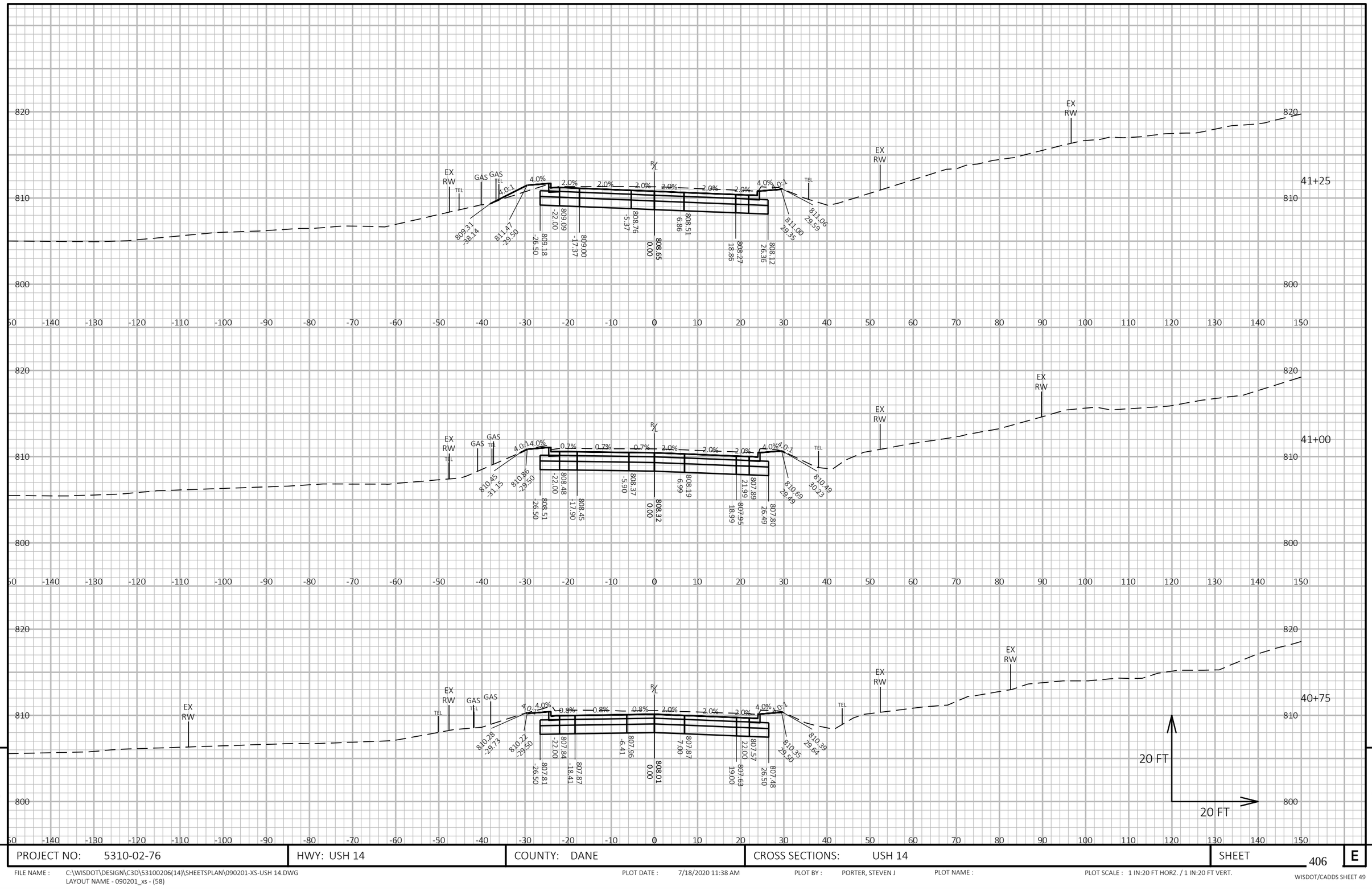
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 405	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (57)

PLOT DATE : 7/18/2020 11:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

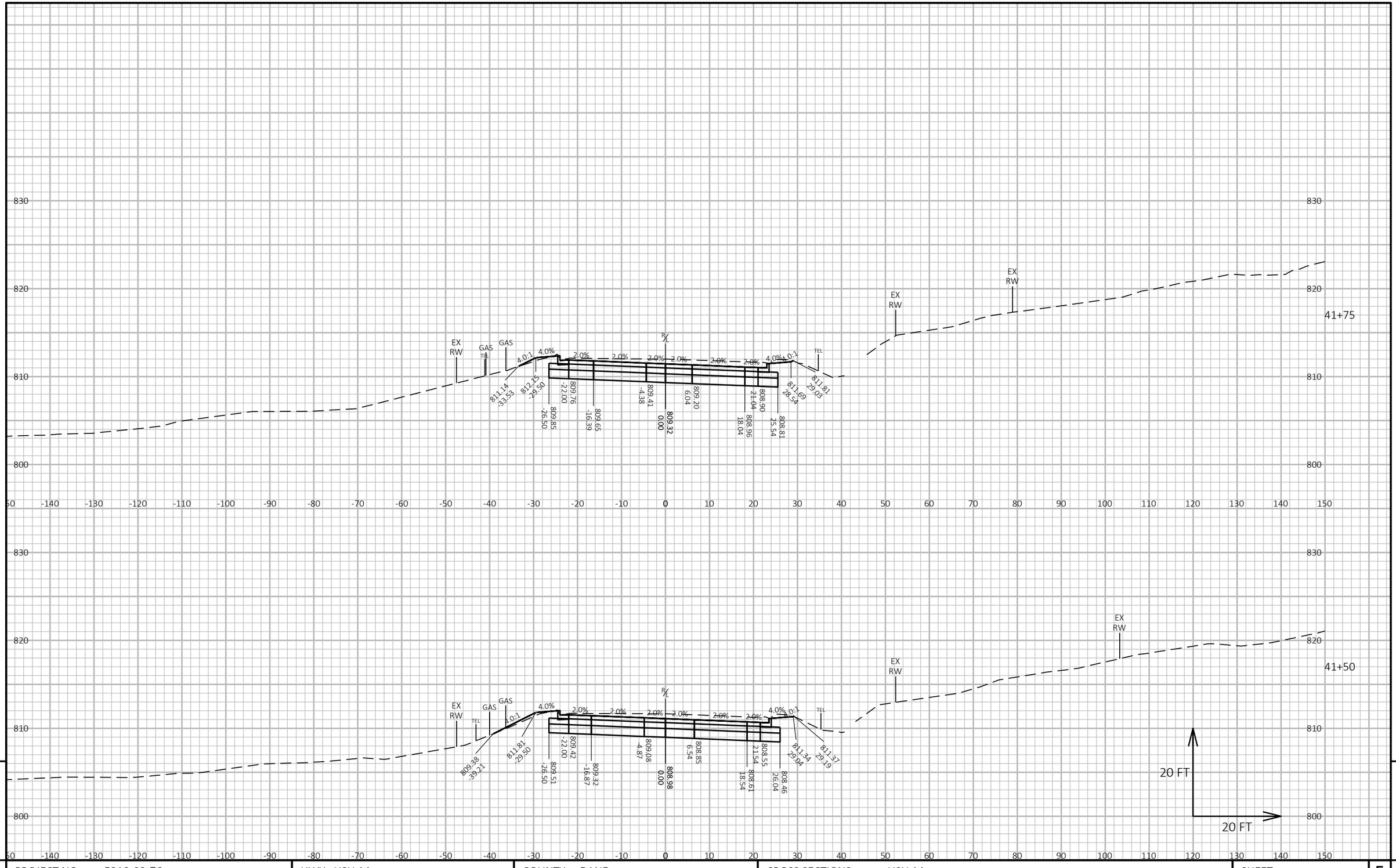


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 406	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (58)

PLOT DATE : 7/18/2020 11:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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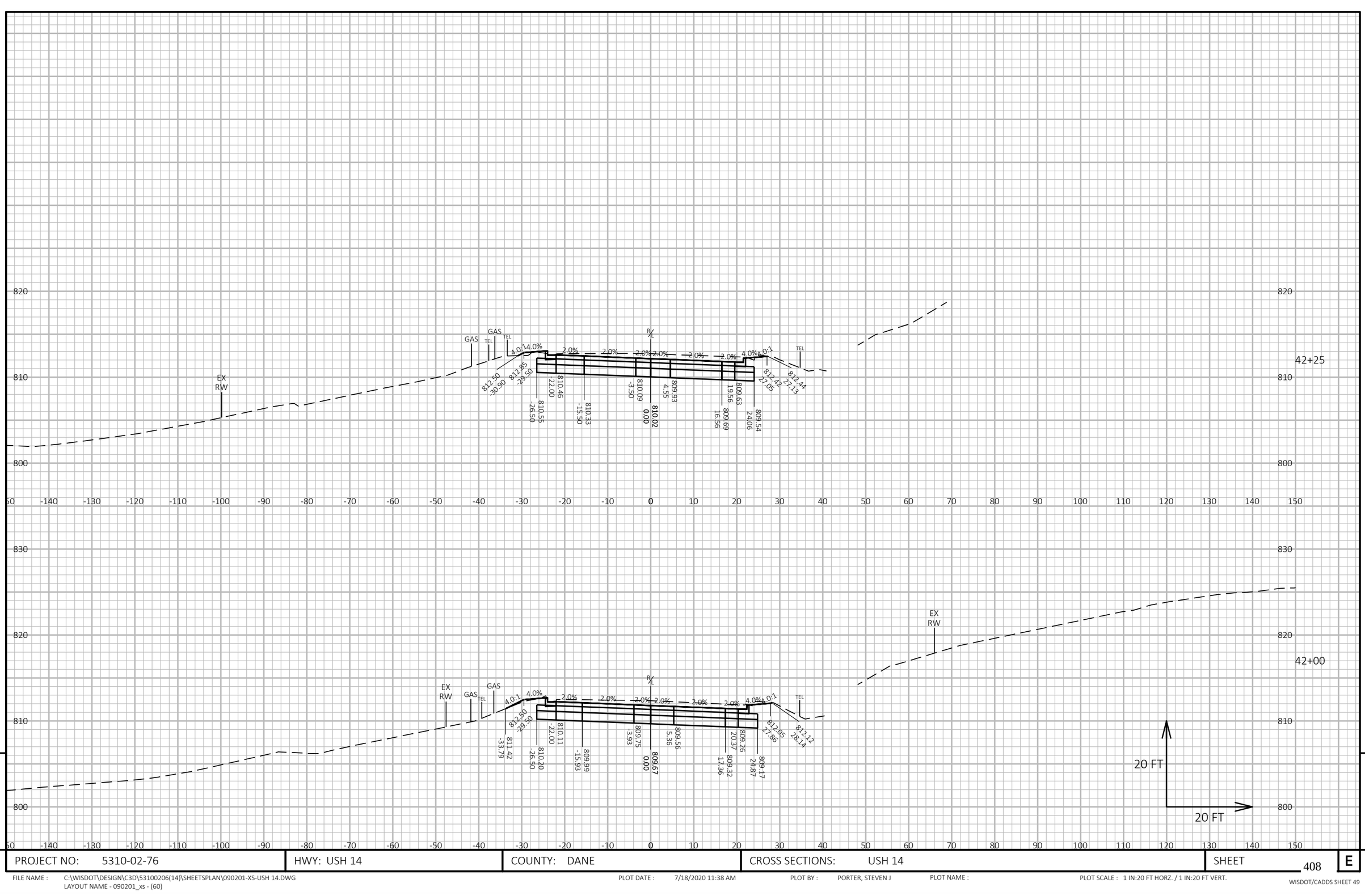
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 407	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (59)

PLOT DATE : 7/18/2020 11:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



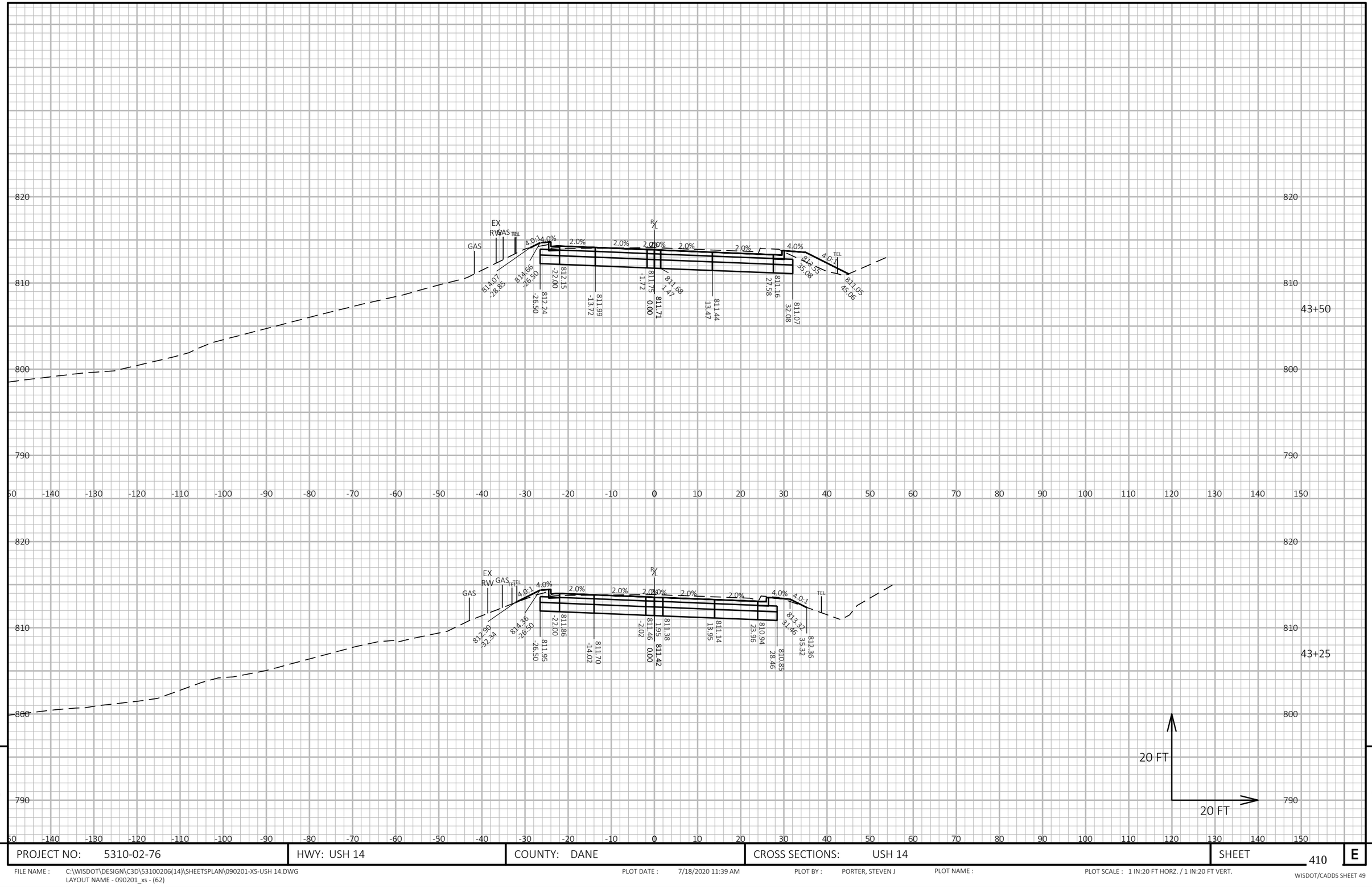
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 408 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (60)

PLOT DATE : 7/18/2020 11:38 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 409	E

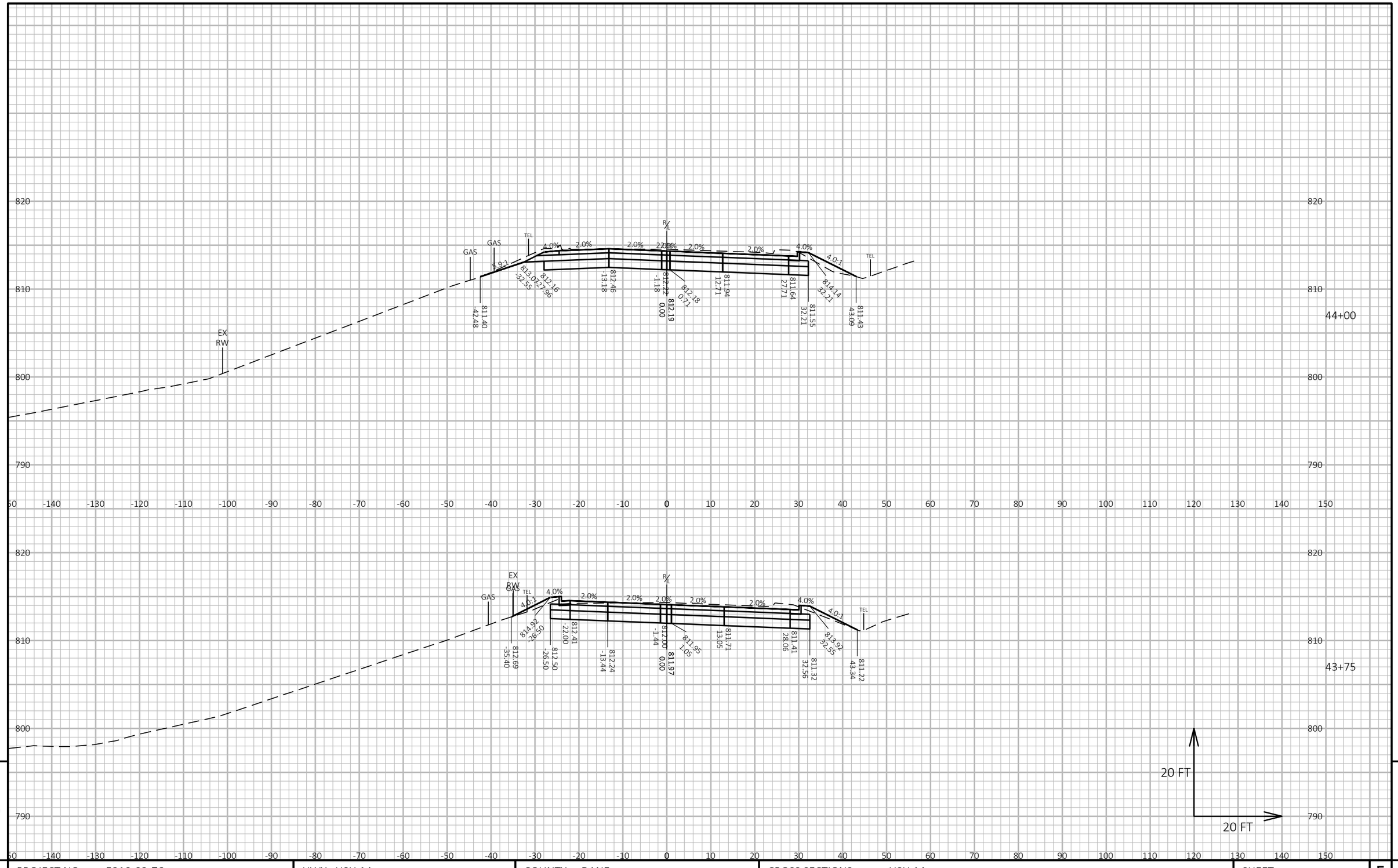


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 410	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (62)

PLOT DATE : 7/18/2020 11:39 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

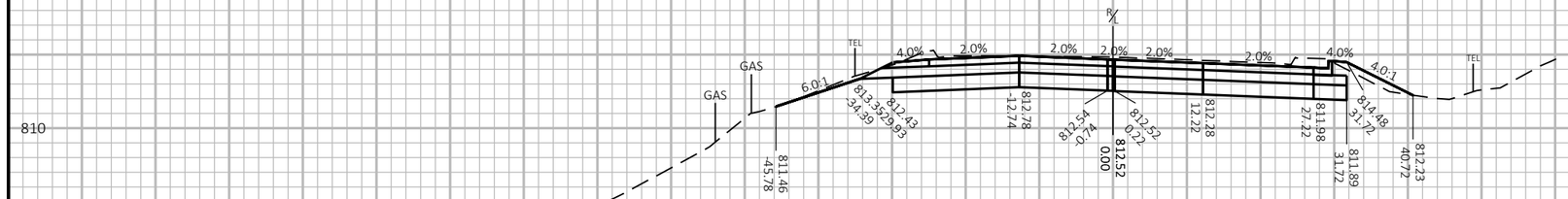
WISDOT/CADDS SHEET 49

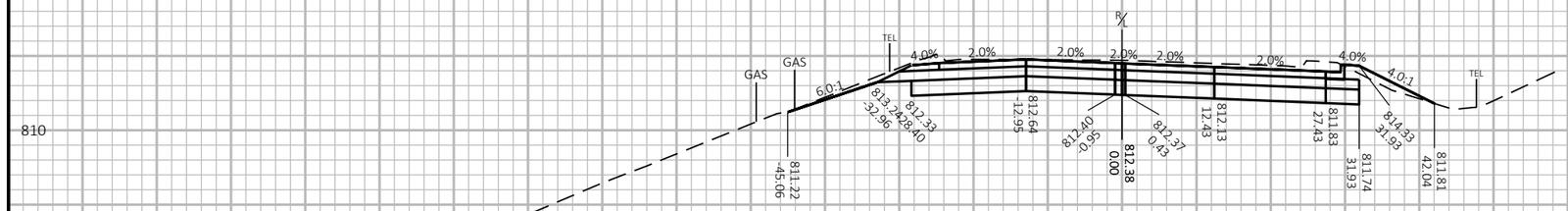


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 411	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (63)

PLOT DATE : 7/18/2020 11:39 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



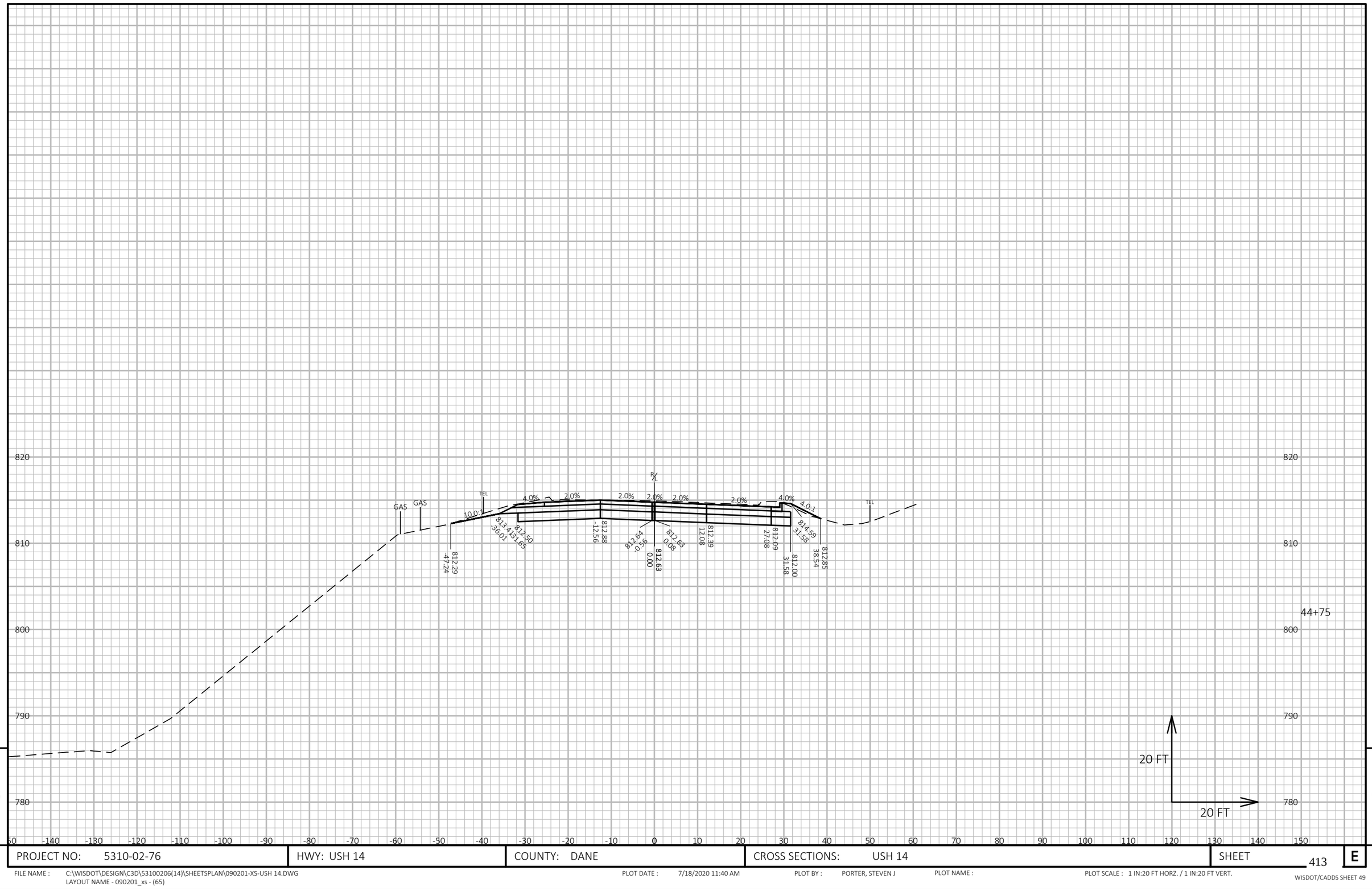


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 412	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (64)

PLOT DATE : 7/18/2020 11:40 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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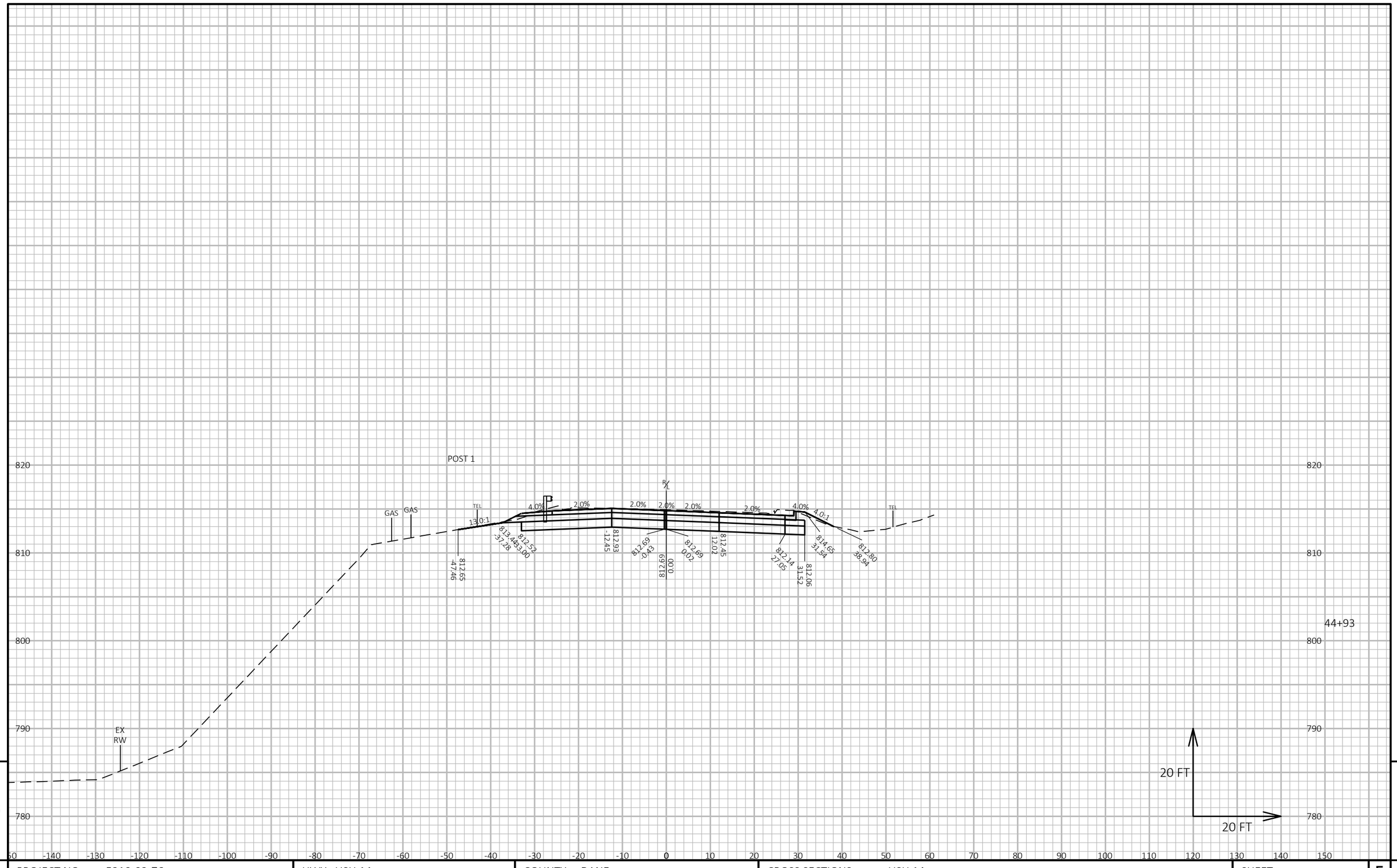
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 413	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (65)

PLOT DATE : 7/18/2020 11:40 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

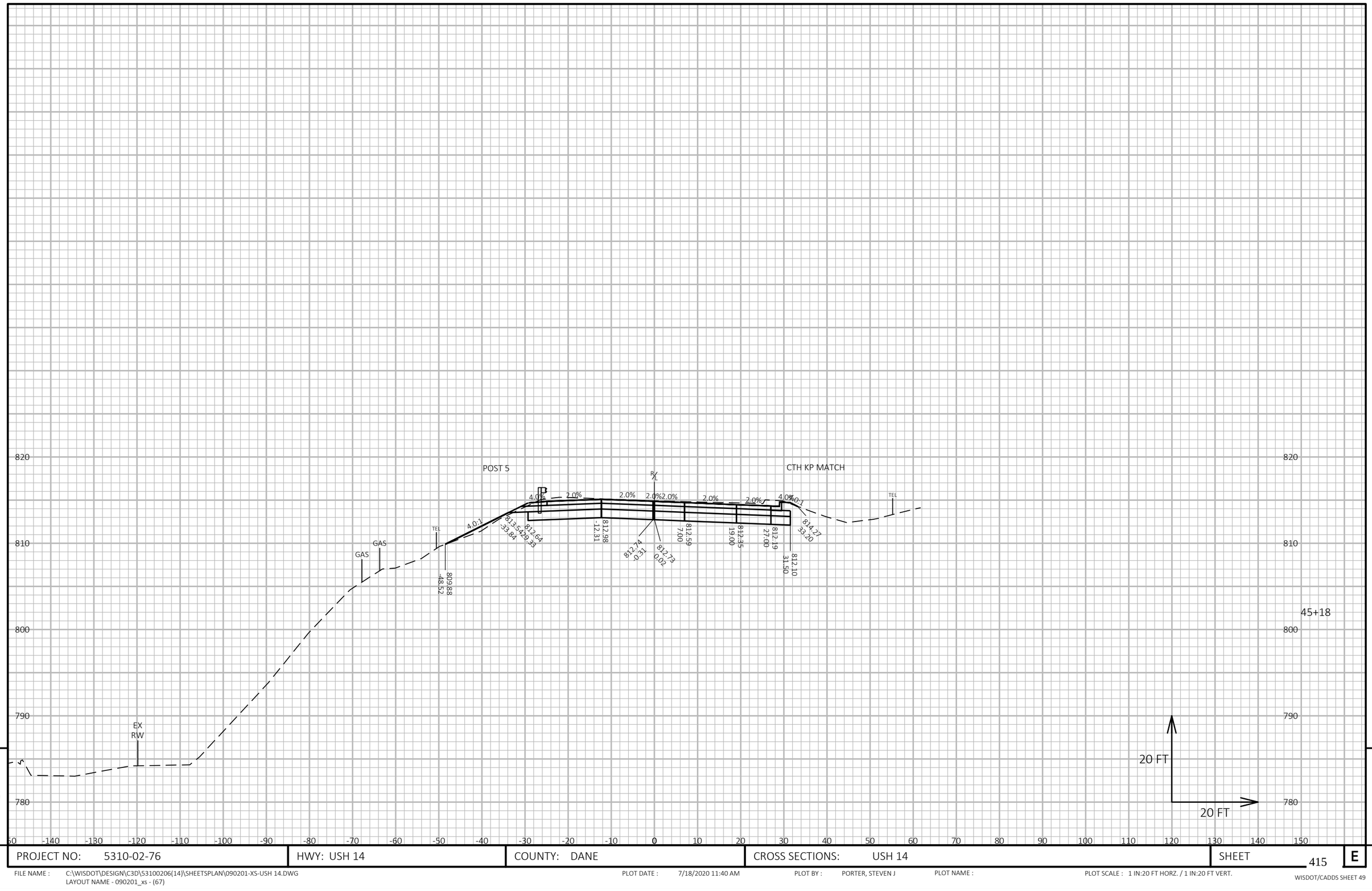


9 9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 414	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (66)

PLOT DATE : 7/18/2020 11:40 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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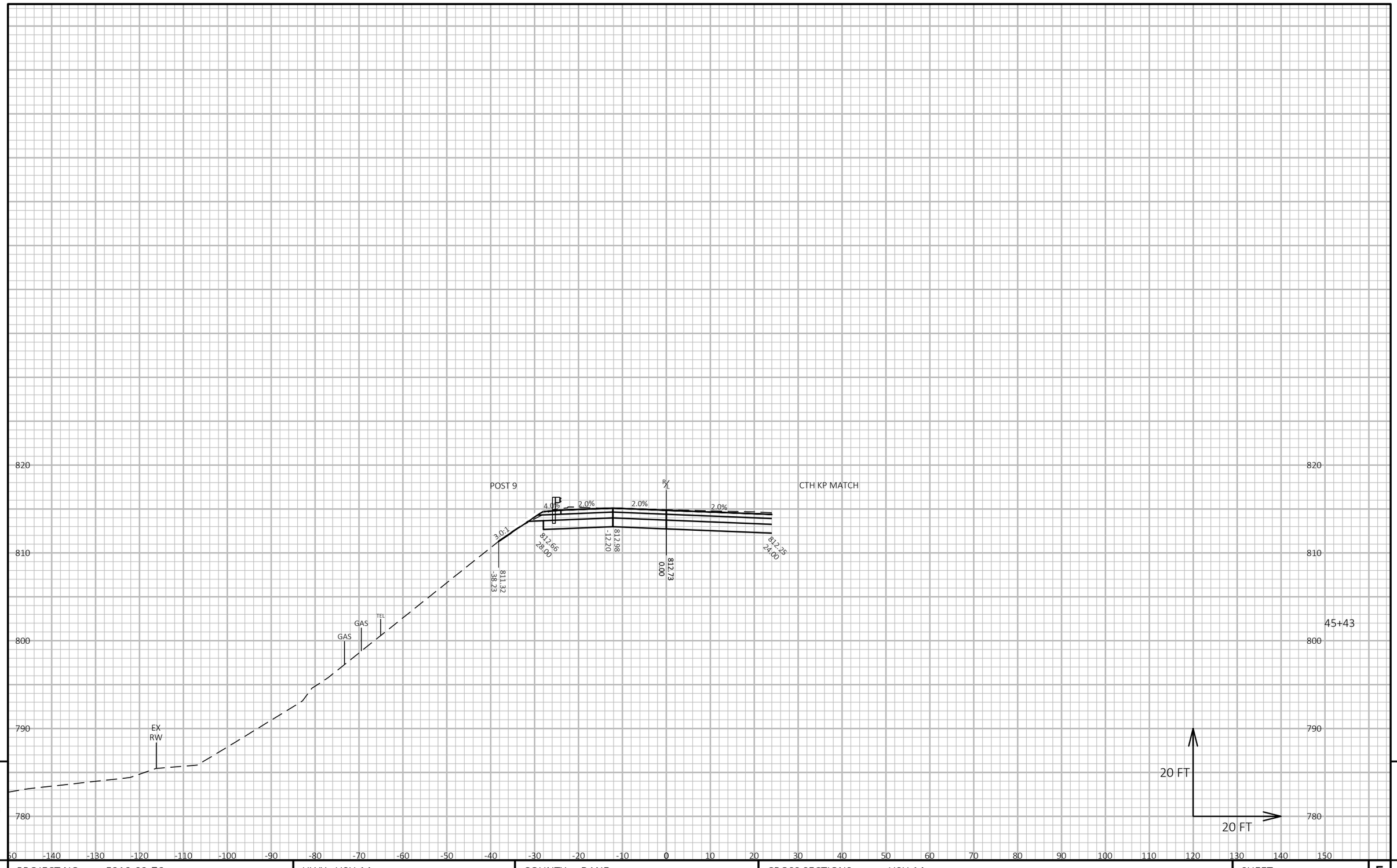
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 415	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (67)

PLOT DATE : 7/18/2020 11:40 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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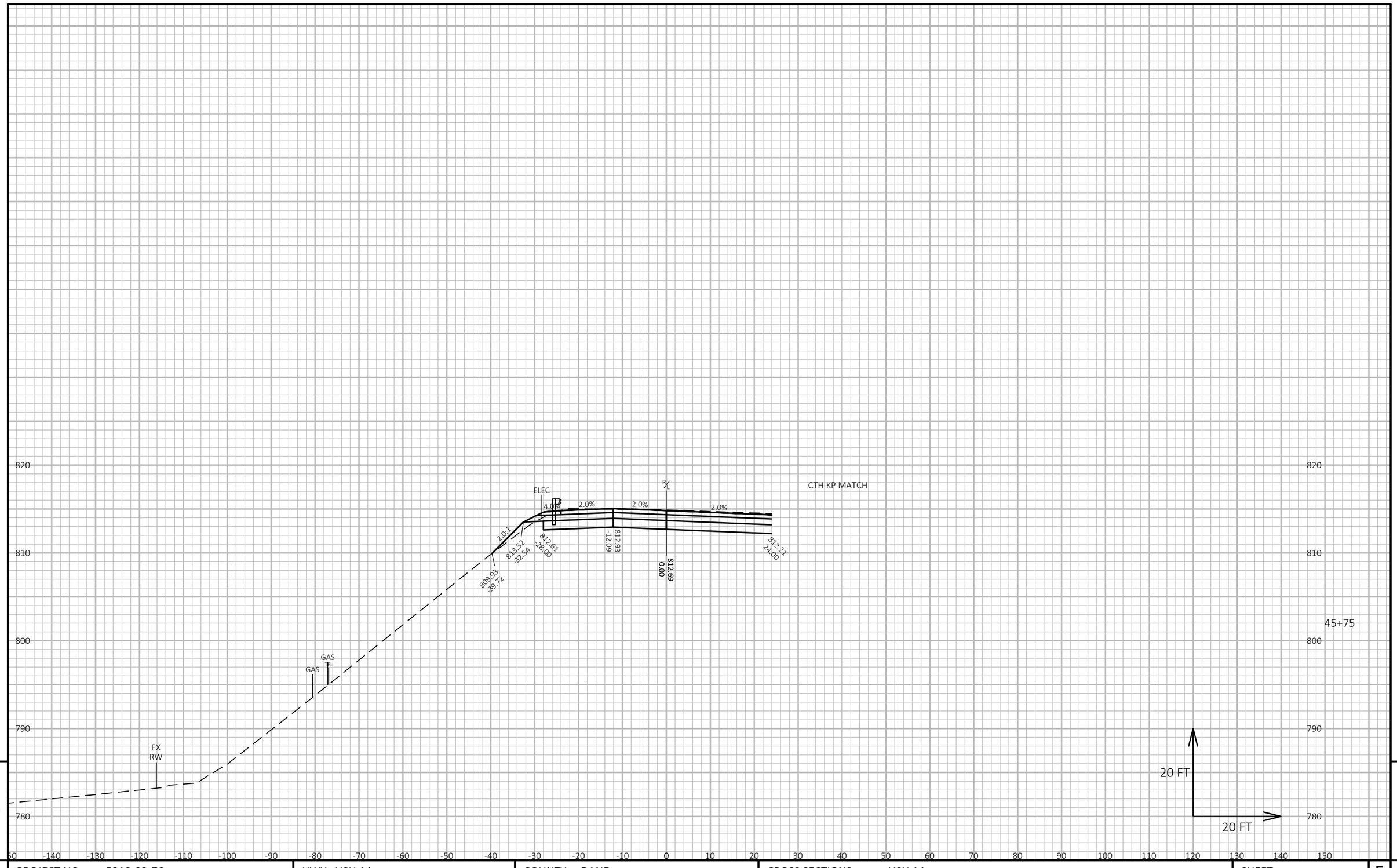
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 416	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (68)

PLOT DATE : 7/18/2020 11:41 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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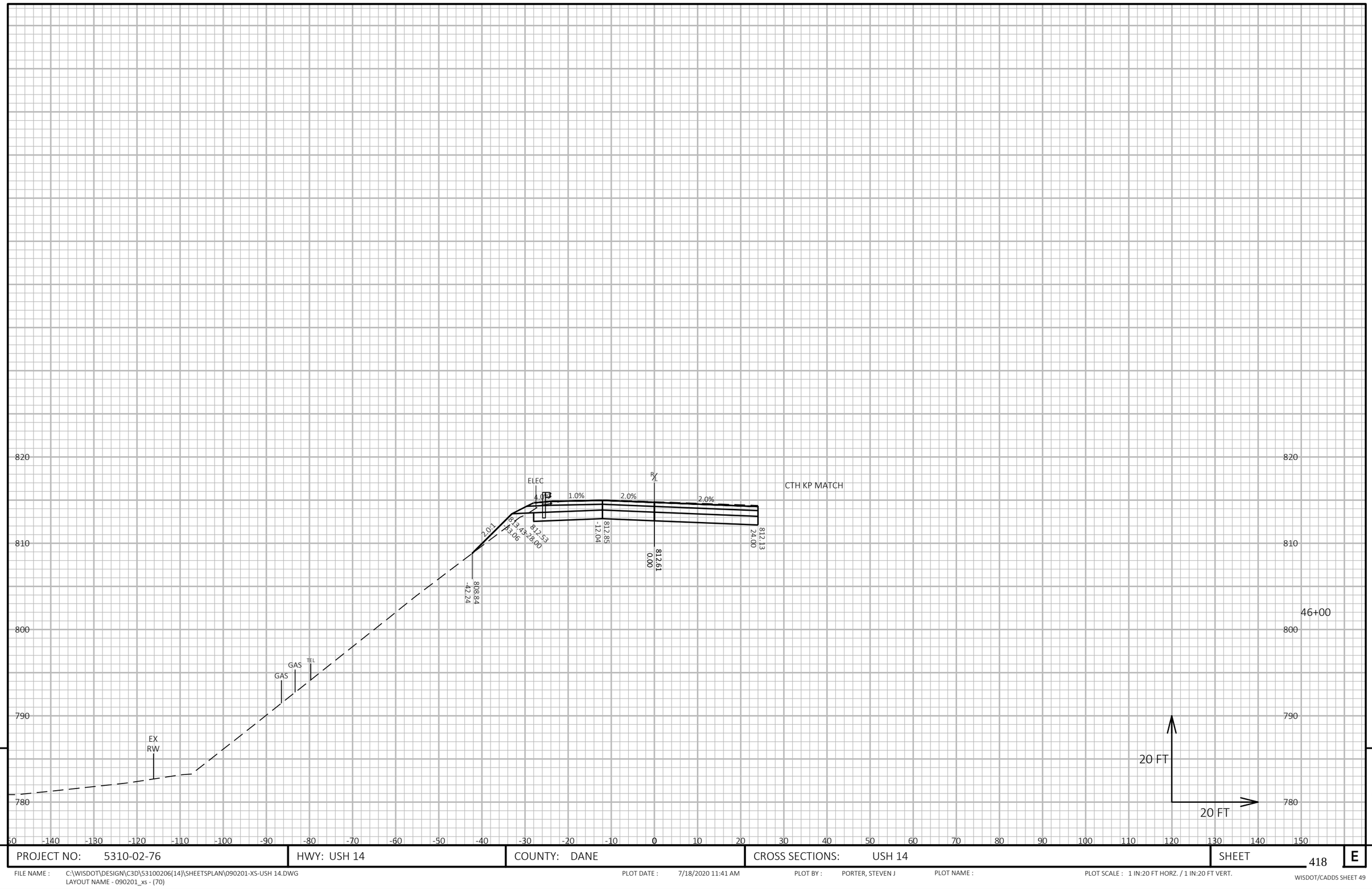
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 417	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (69)

PLOT DATE : 7/18/2020 11:41 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

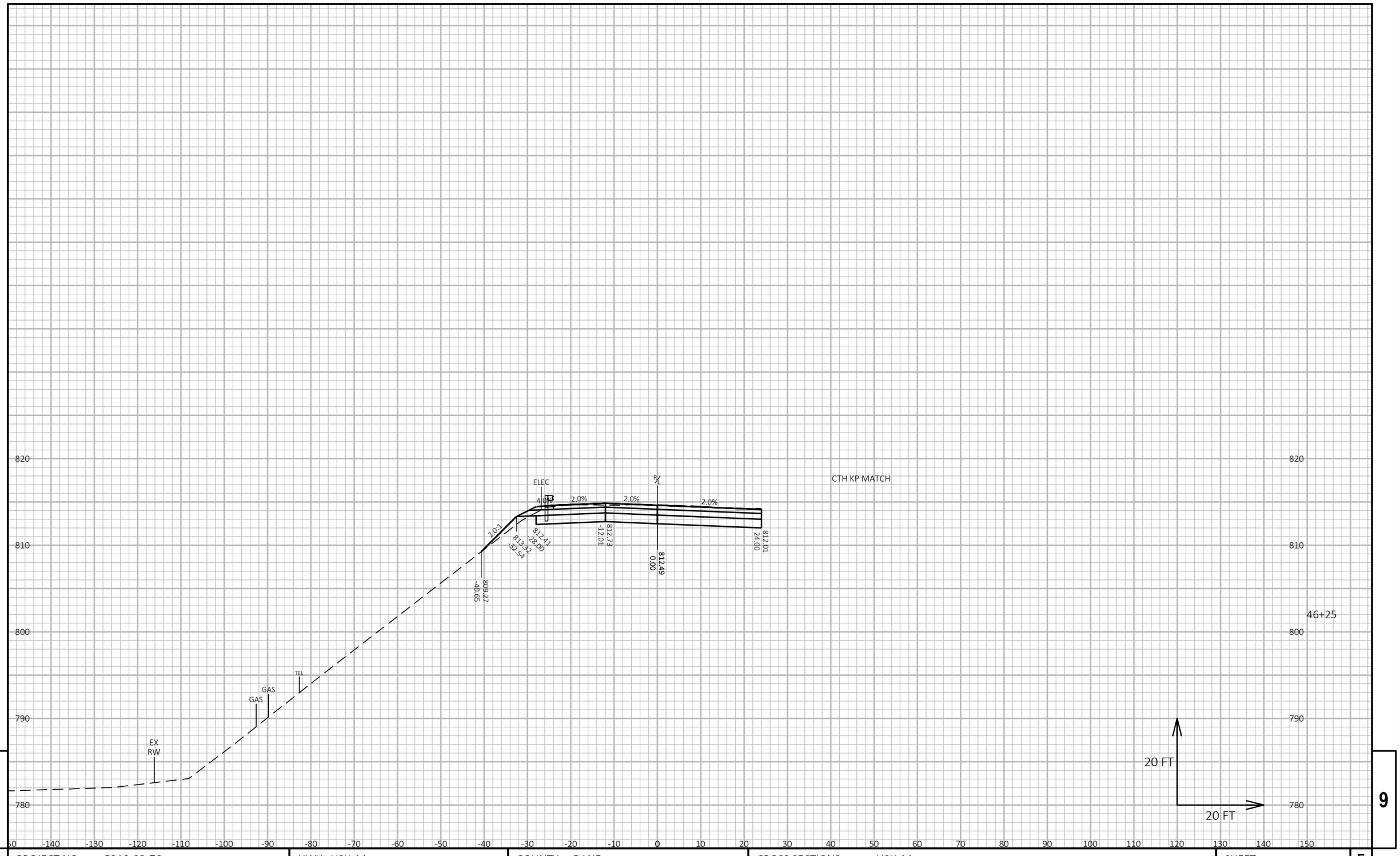


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 418	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (70)

PLOT DATE : 7/18/2020 11:41 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

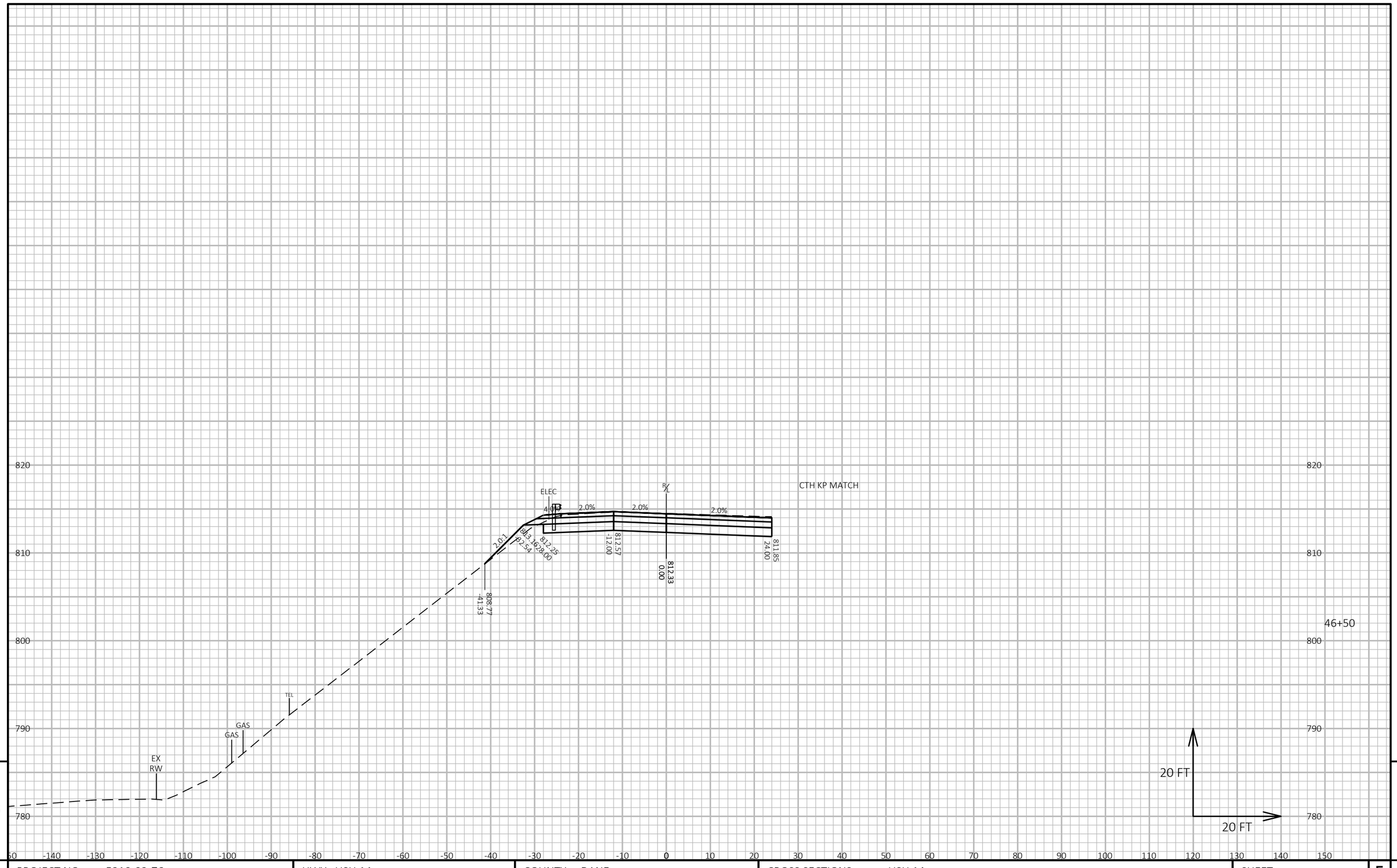
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 419	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (71)

PLOT DATE : 7/18/2020 11:41 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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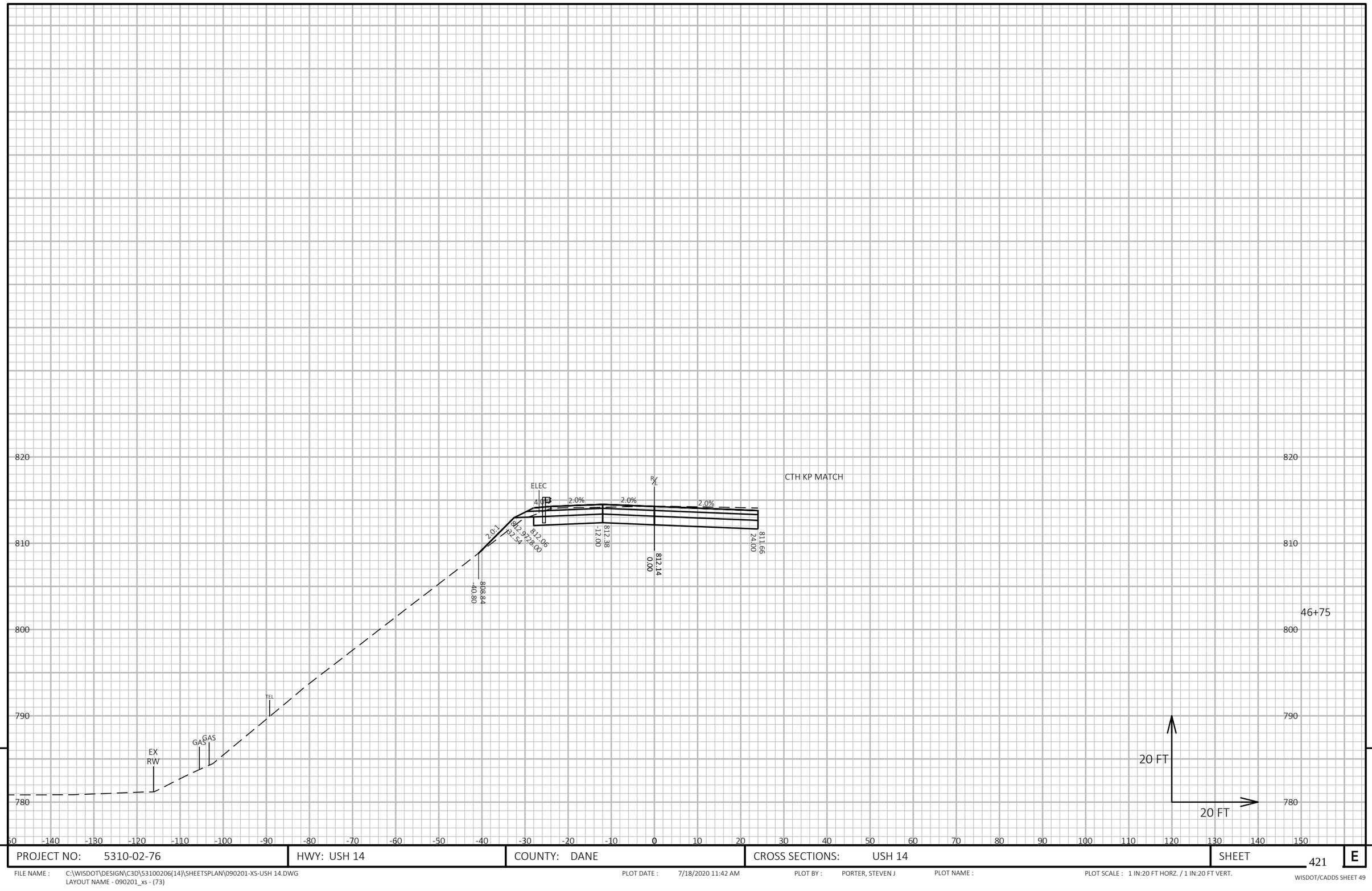
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 420	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (72)

PLOT DATE : 7/18/2020 11:42 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

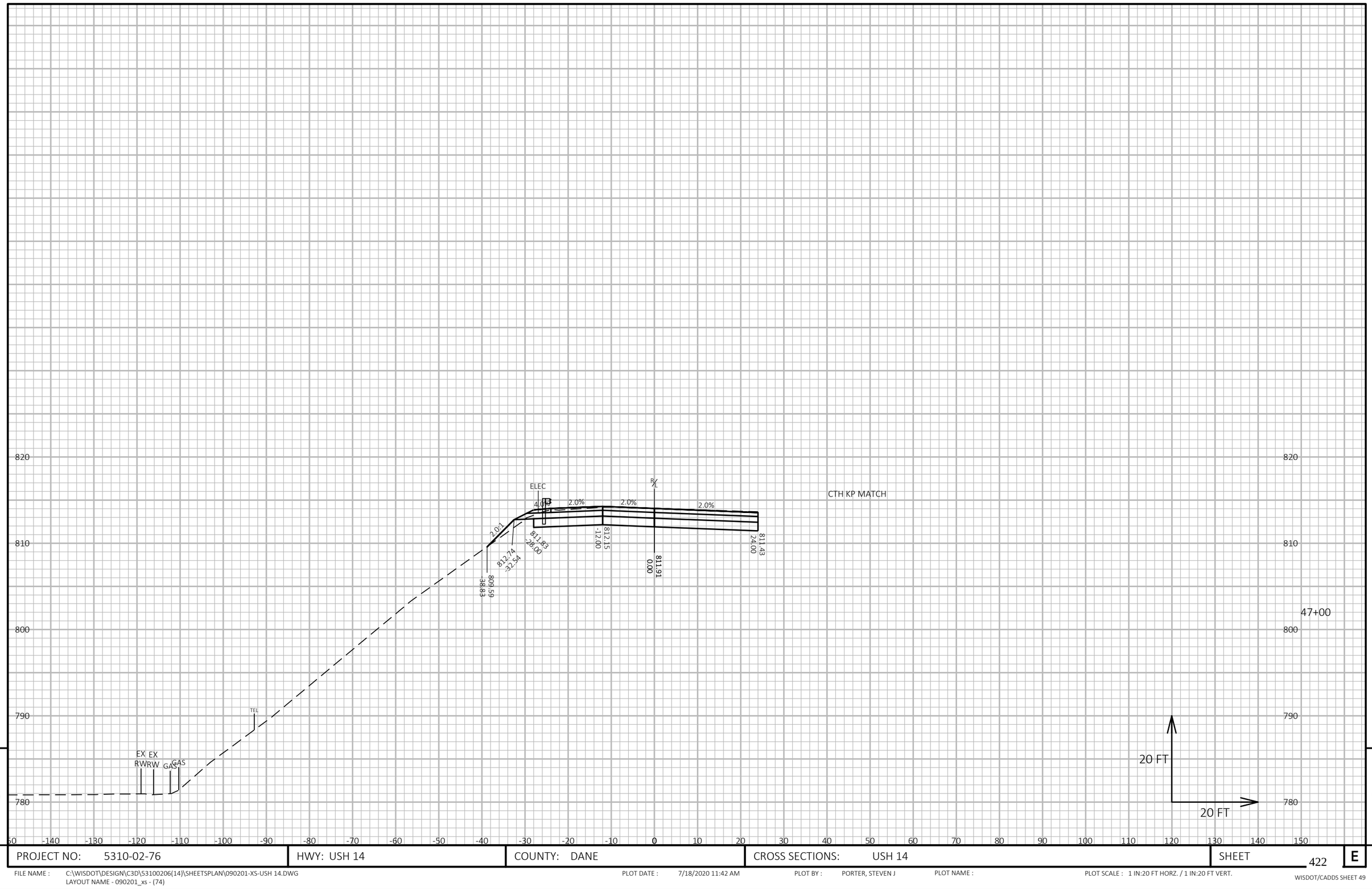


9 9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 421	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (73)

PLOT DATE : 7/18/2020 11:42 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



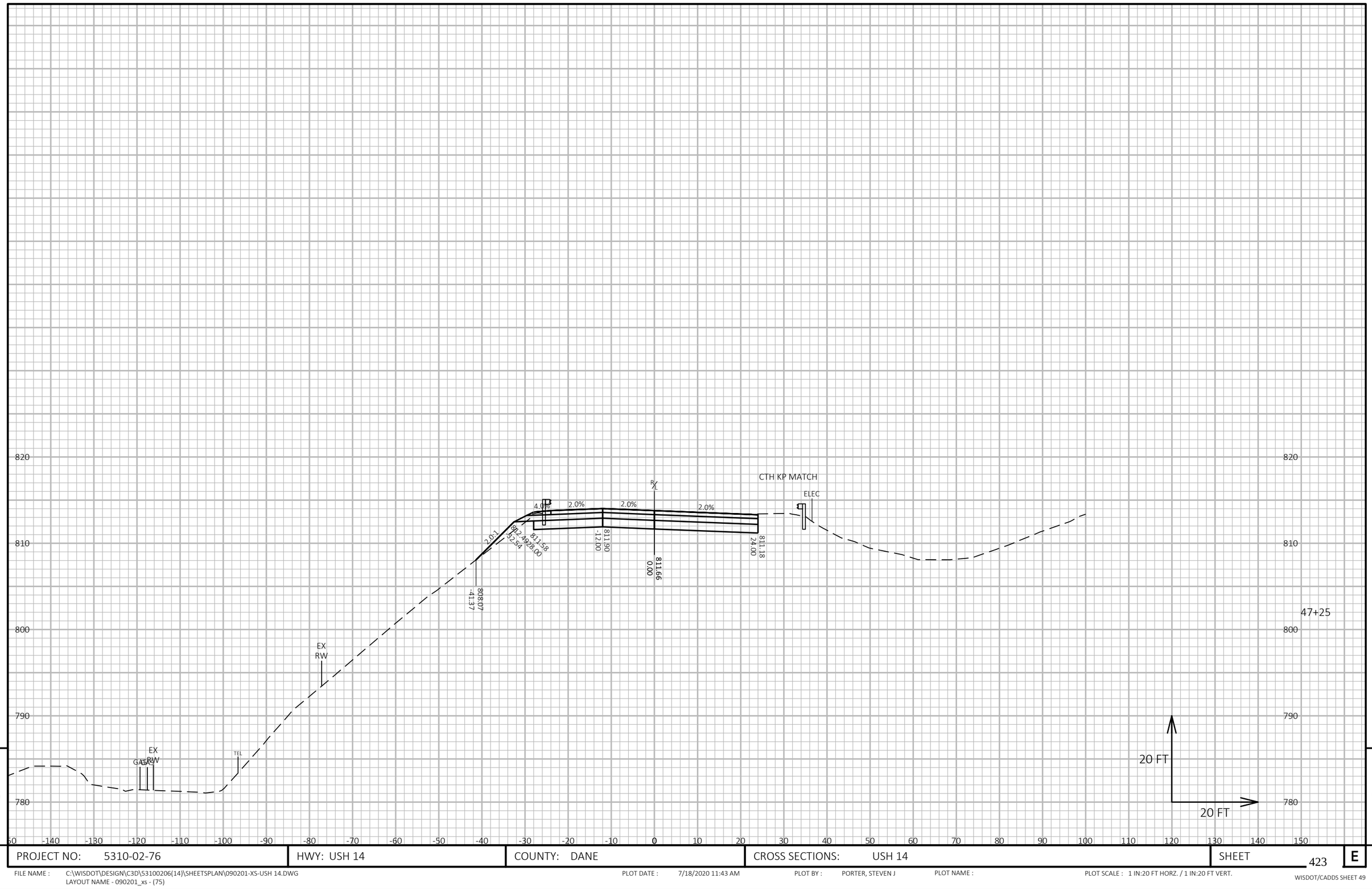
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 422	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (74)

PLOT DATE : 7/18/2020 11:42 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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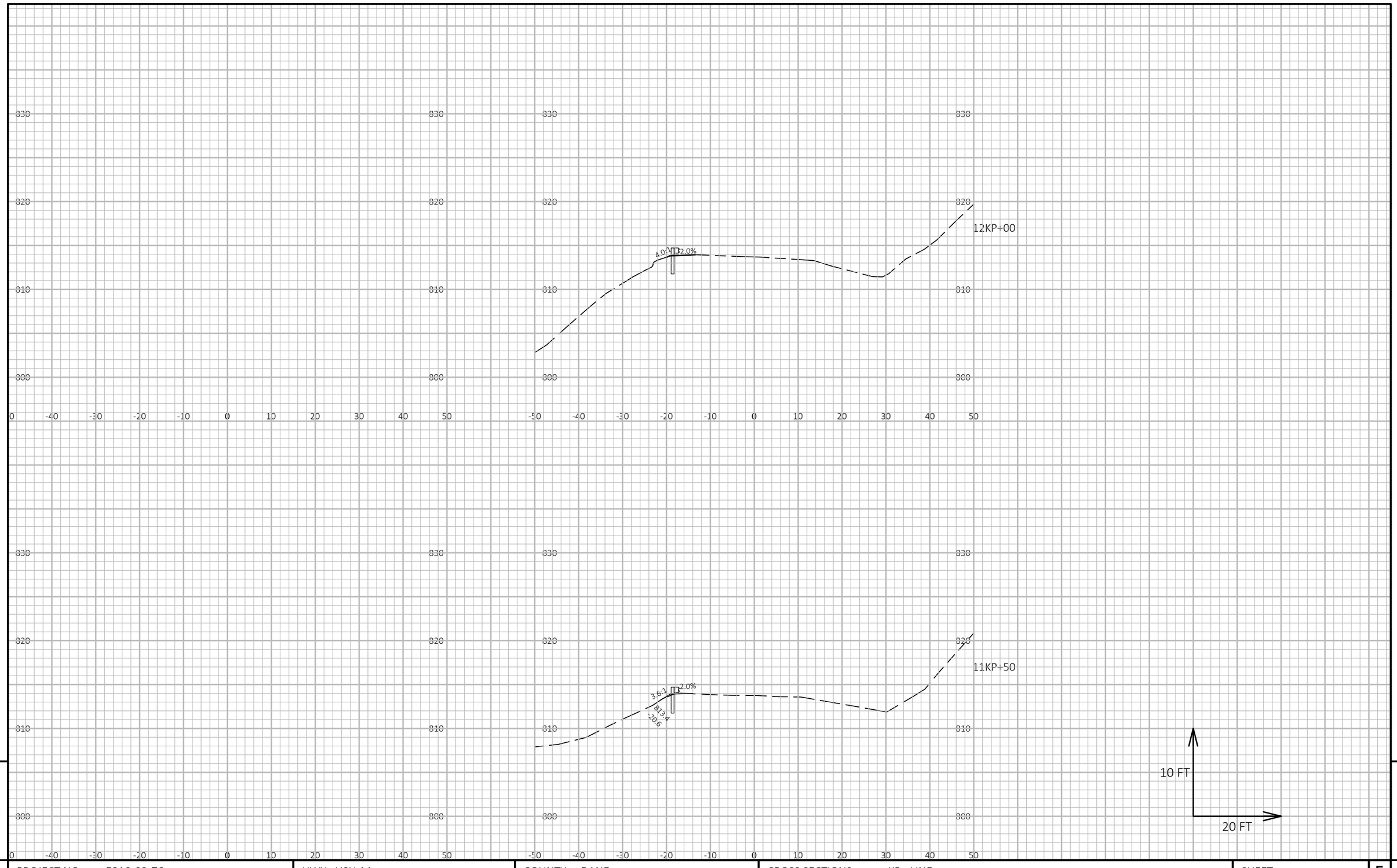
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14	SHEET 423	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090201-XS-USH 14.DWG
LAYOUT NAME - 090201_xs - (75)

PLOT DATE : 7/18/2020 11:43 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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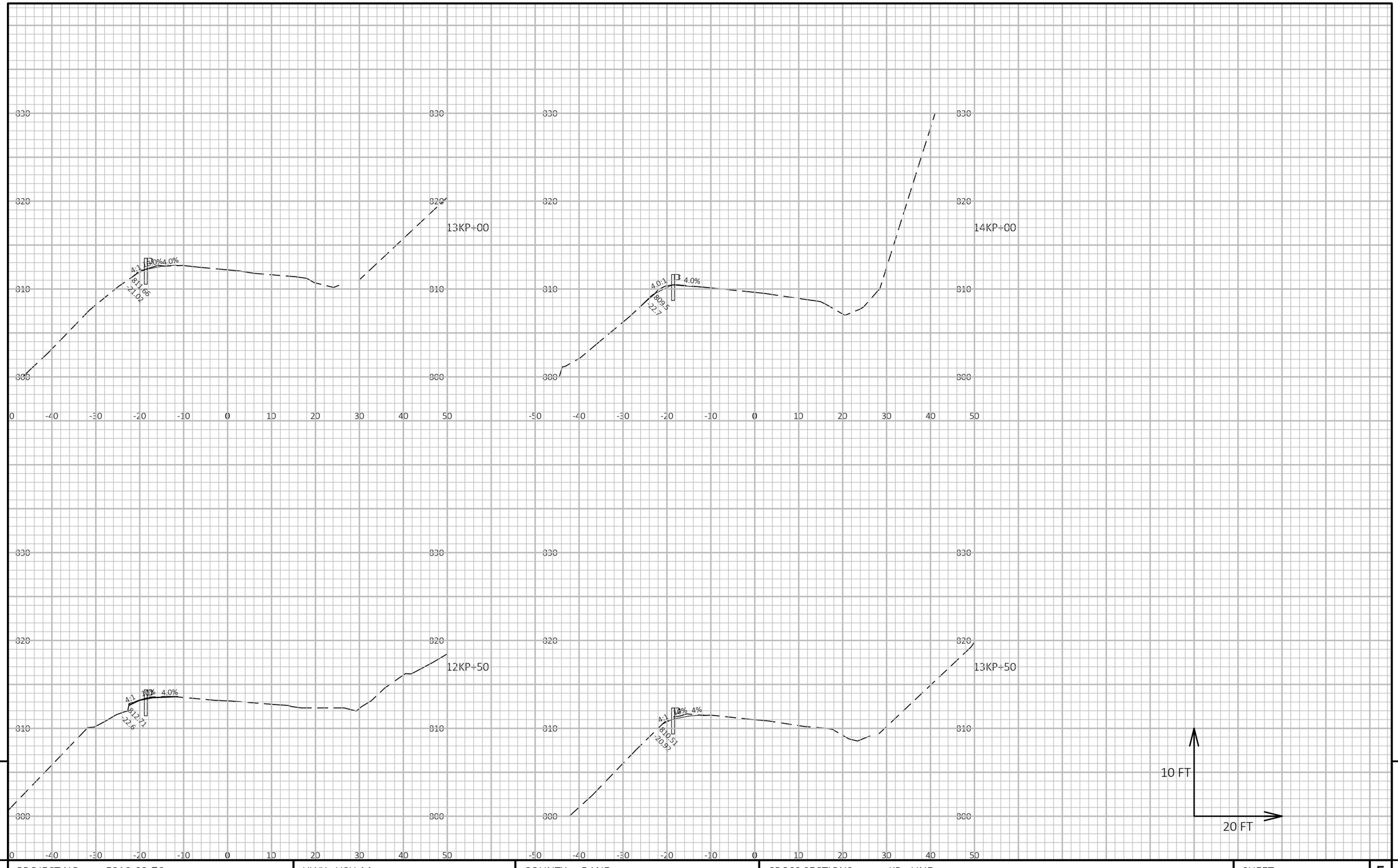
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: KP - LINE	SHEET 424	E

FILE NAME : C:\USERS\DOTBPT\DOCUMENTS\MAZOMANIE\53100206(14)\DESIGN\CORRIDORS\BEN\REVISED EXPLODED CTH KP CROSS SECTIONS.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 9/9/2020 9:26 AM PLOT BY : THOMPSON, BENJAMIN P PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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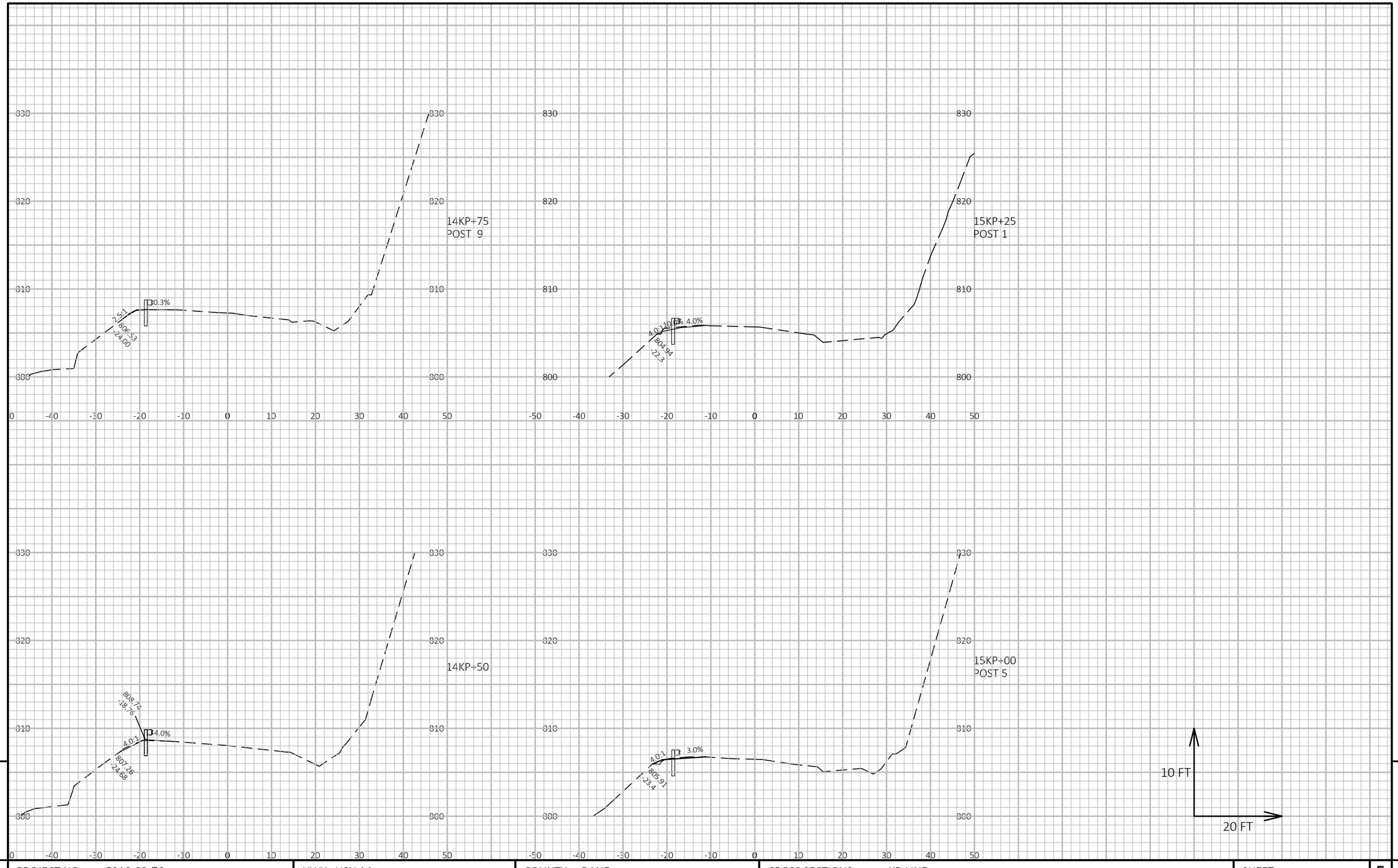
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: KP - LINE	SHEET 425	E

FILE NAME : C:\USERS\DOTBPT\DOCUMENTS\MAZOMANIE\53100206(14)\DESIGN\CORRIDORS\BEN\REVISED EXPLODED CTH KP CROSS SECTIONS.DWG
LAYOUT NAME - Section Sheet - (15)

PLOT DATE : 9/9/2020 9:26 AM PLOT BY : THOMPSON, BENJAMIN P PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

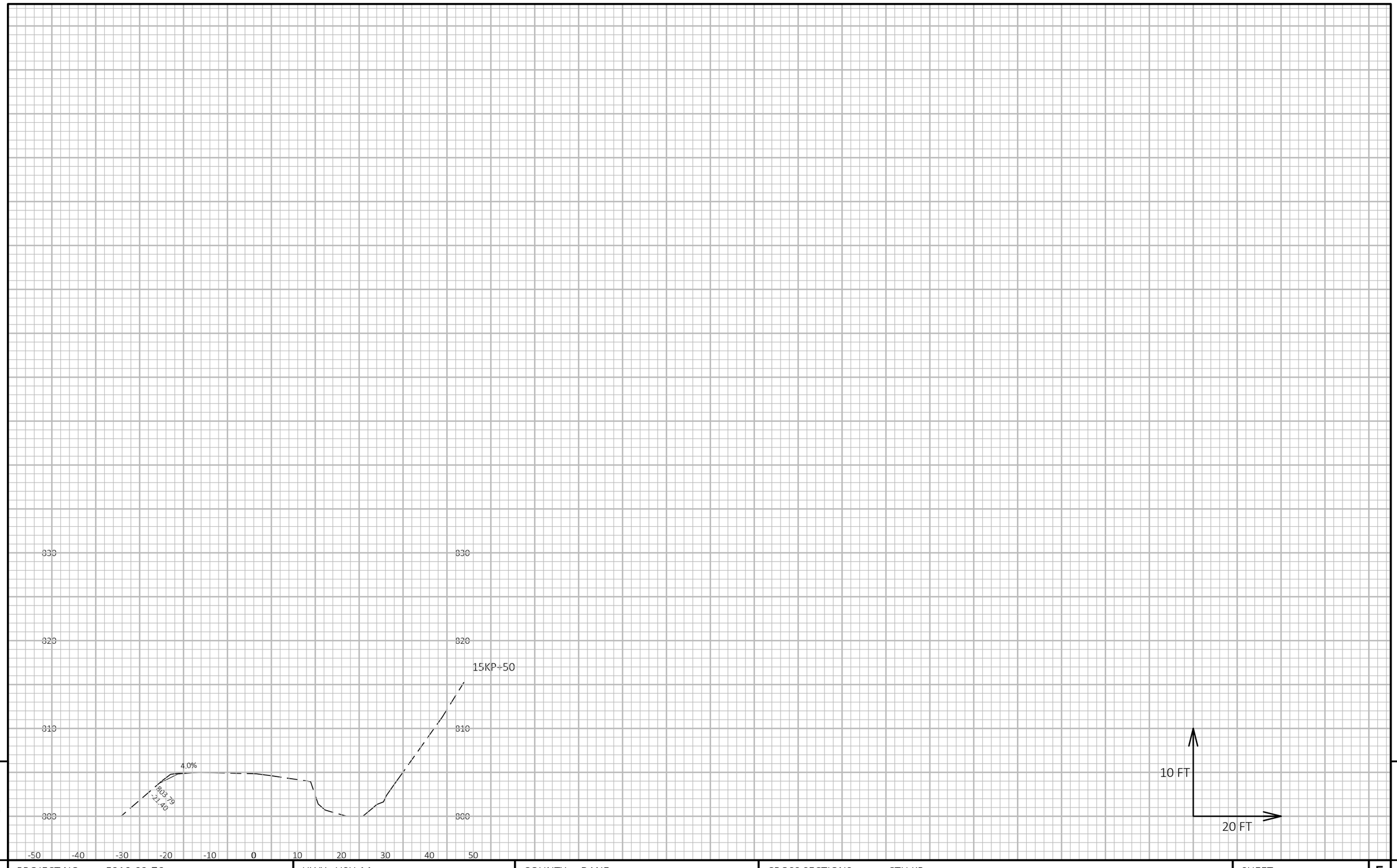
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: KP-LINE	SHEET 426	E

FILE NAME : C:\USERS\DOTBPT\DOCUMENTS\MAZOMANIE\53100206(14)\DESIGN\CORRIDORS\BEN\REVISED EXPLODED CTH KP CROSS SECTIONS.DWG
LAYOUT NAME - Section Sheet - (16)

PLOT DATE : 9/9/2020 9:26 AM PLOT BY : THOMPSON, BENJAMIN P PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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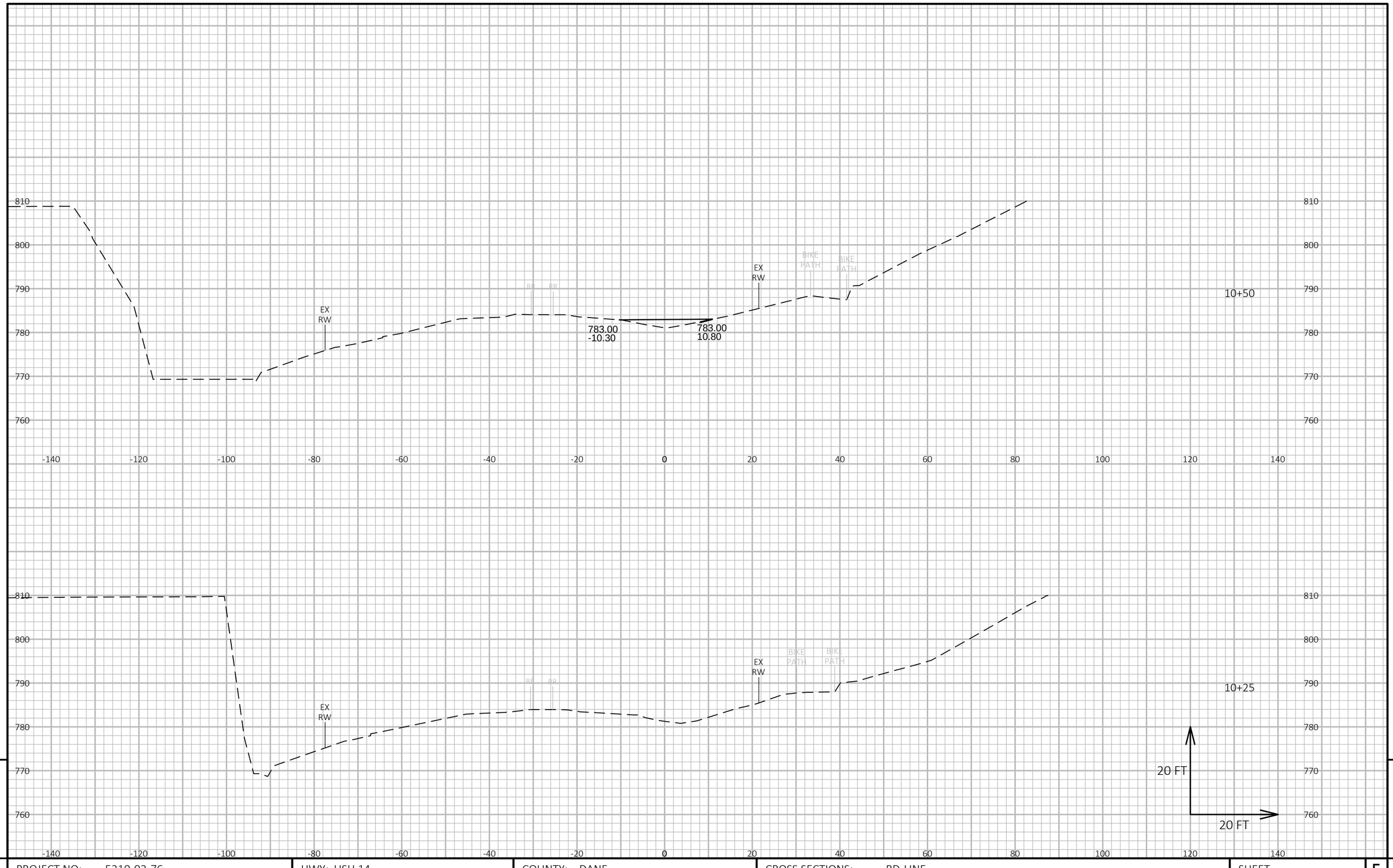
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: CTH KP	SHEET 427	E

FILE NAME : C:\USERS\DOTBPT\DOCUMENTS\MAZOMANIE\53100206(14)\DESIGN\CORRIDORS\BEN\REVISED EXPLODED CTH KP CROSS SECTIONS.DWG
LAYOUT NAME - Section Sheet - (17)

PLOT DATE : 9/9/2020 9:26 AM PLOT BY : THOMPSON, BENJAMIN P PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 428	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 2

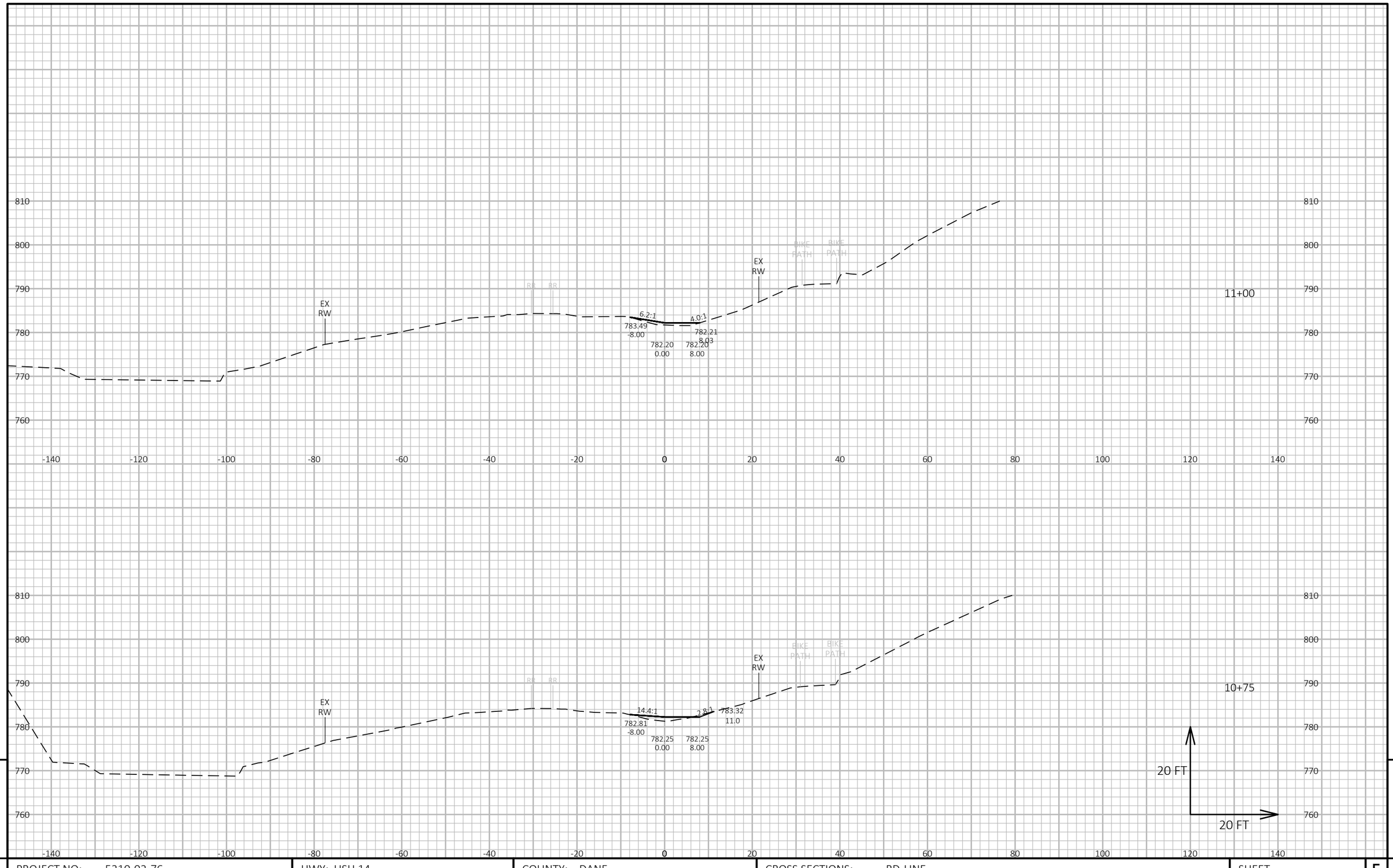
PLOT DATE : 8/1/2018 3:44 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 429	E

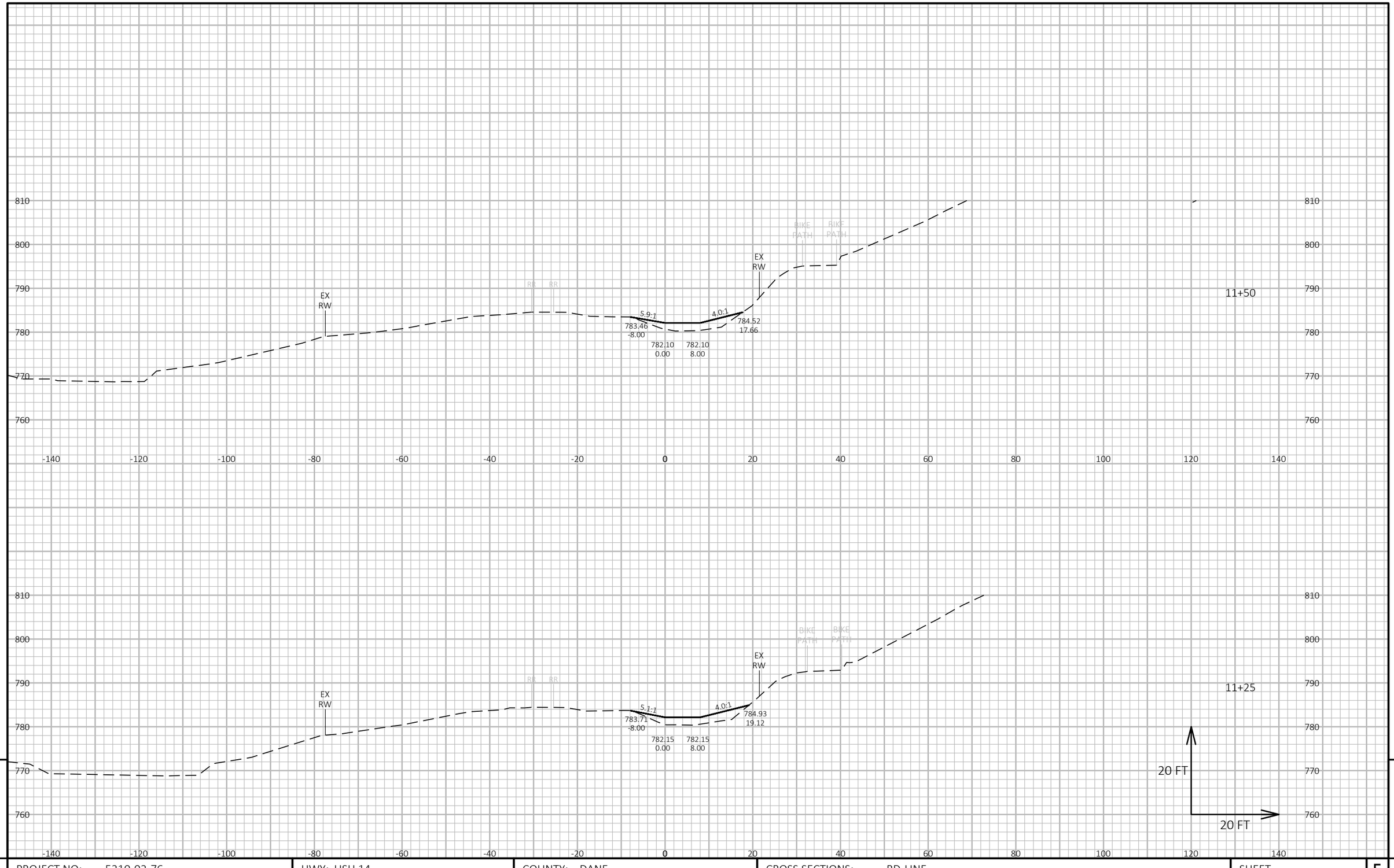
FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 3

PLOT DATE : 8/1/2018 3:44 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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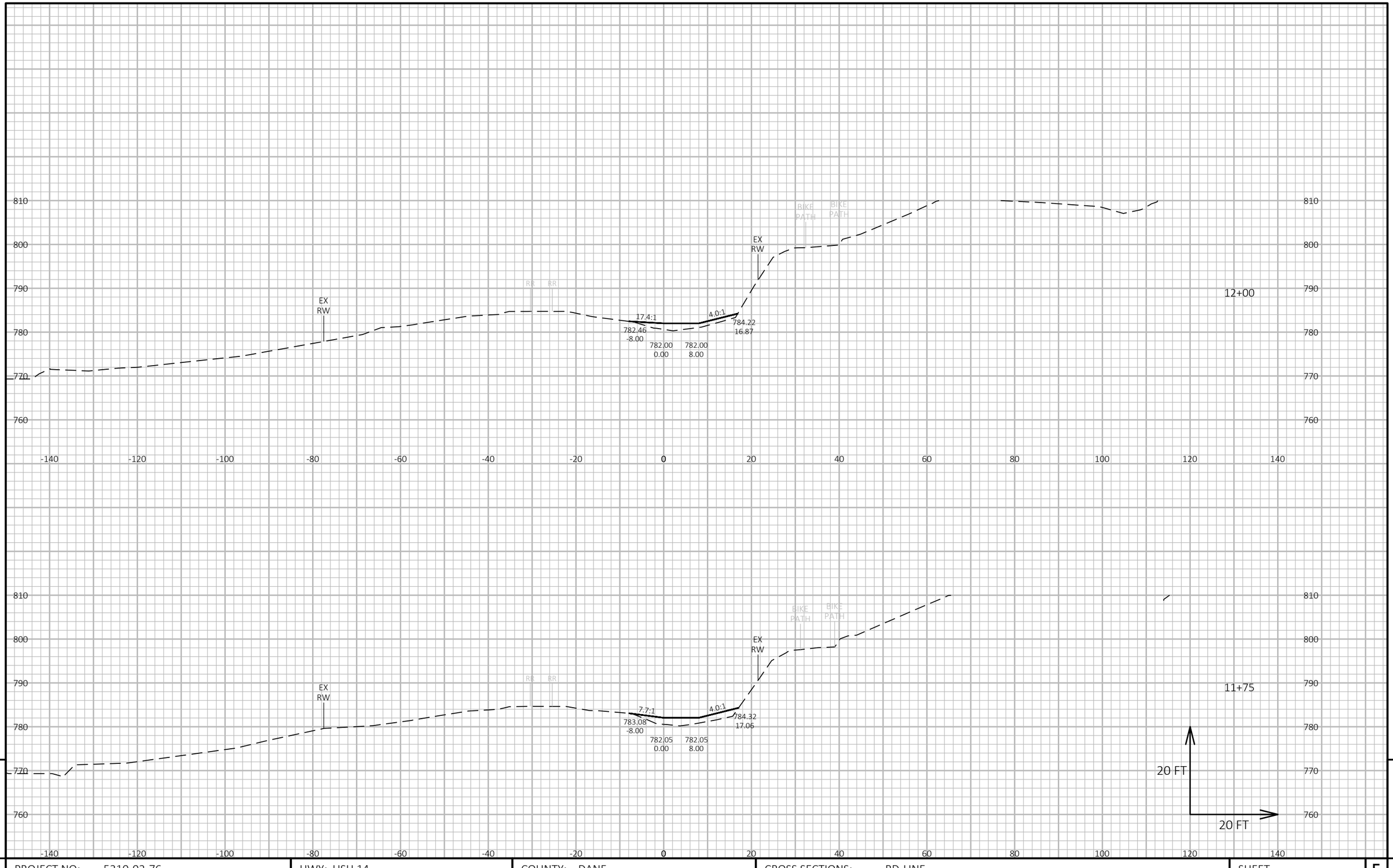
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 430	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 4

PLOT DATE : 8/1/2018 3:44 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 431	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 5

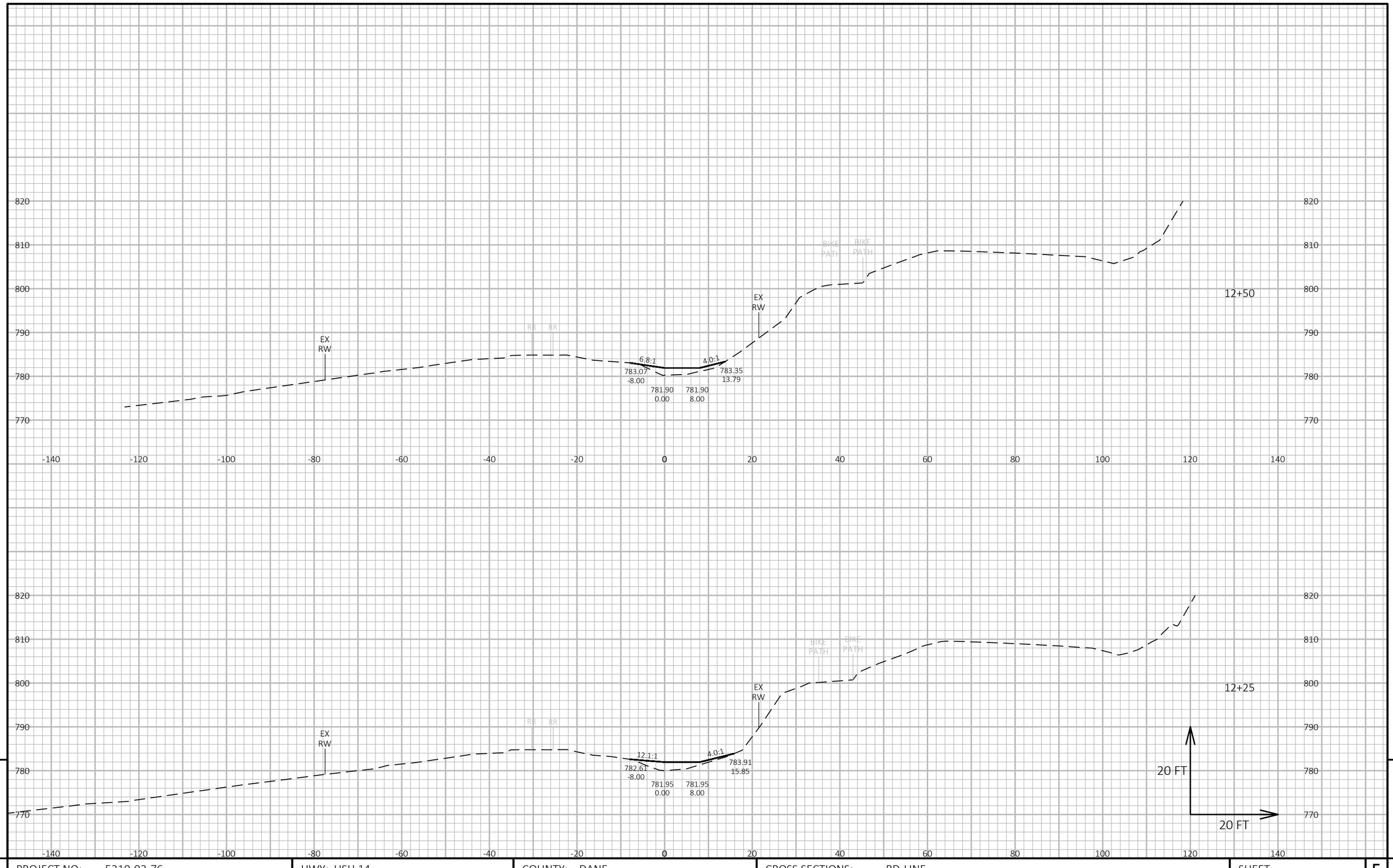
PLOT DATE : 8/1/2018 3:44 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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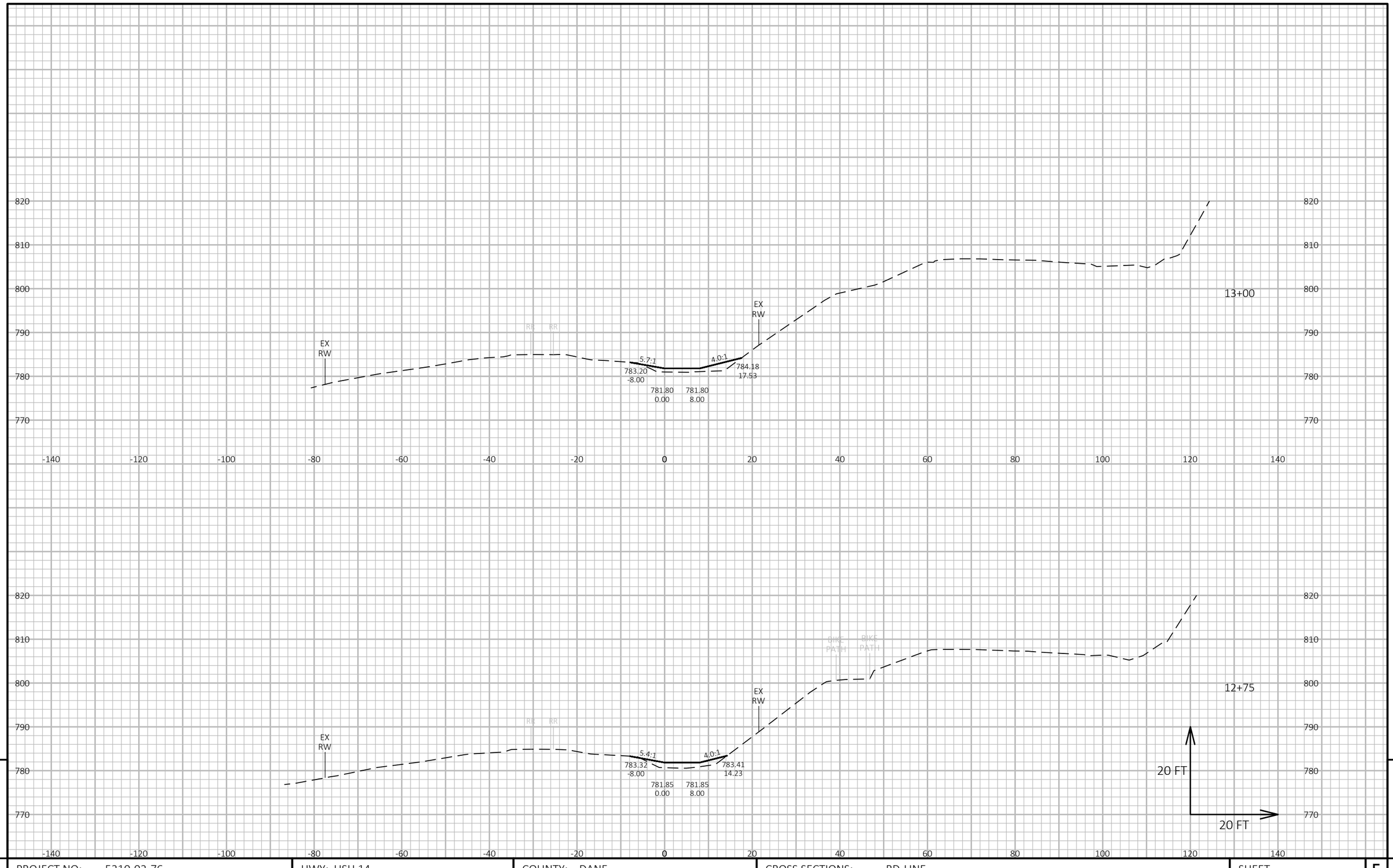
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 432	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 6

PLOT DATE : 8/1/2018 3:44 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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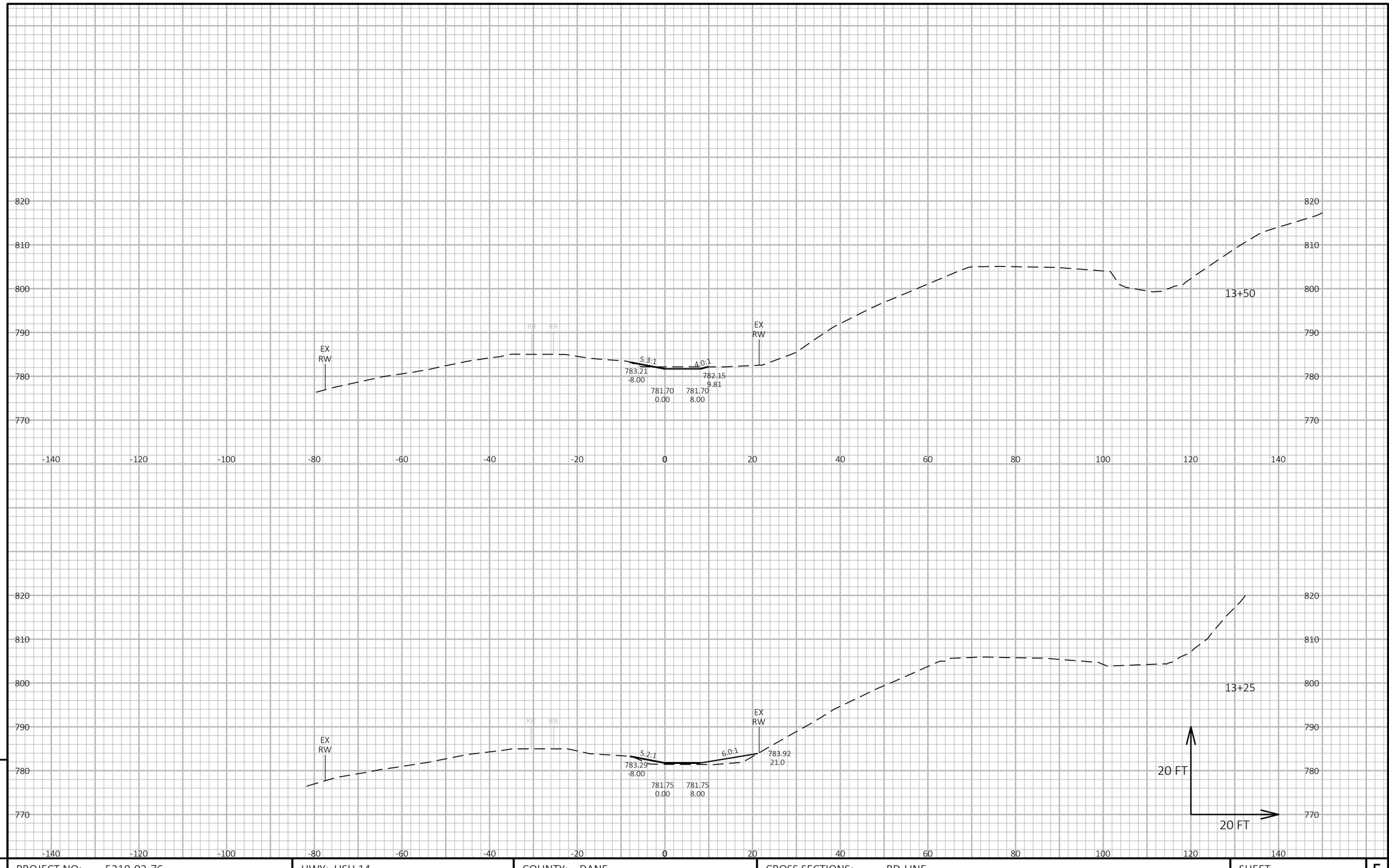
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 433	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 7

PLOT DATE : 8/1/2018 3:44 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 434	E

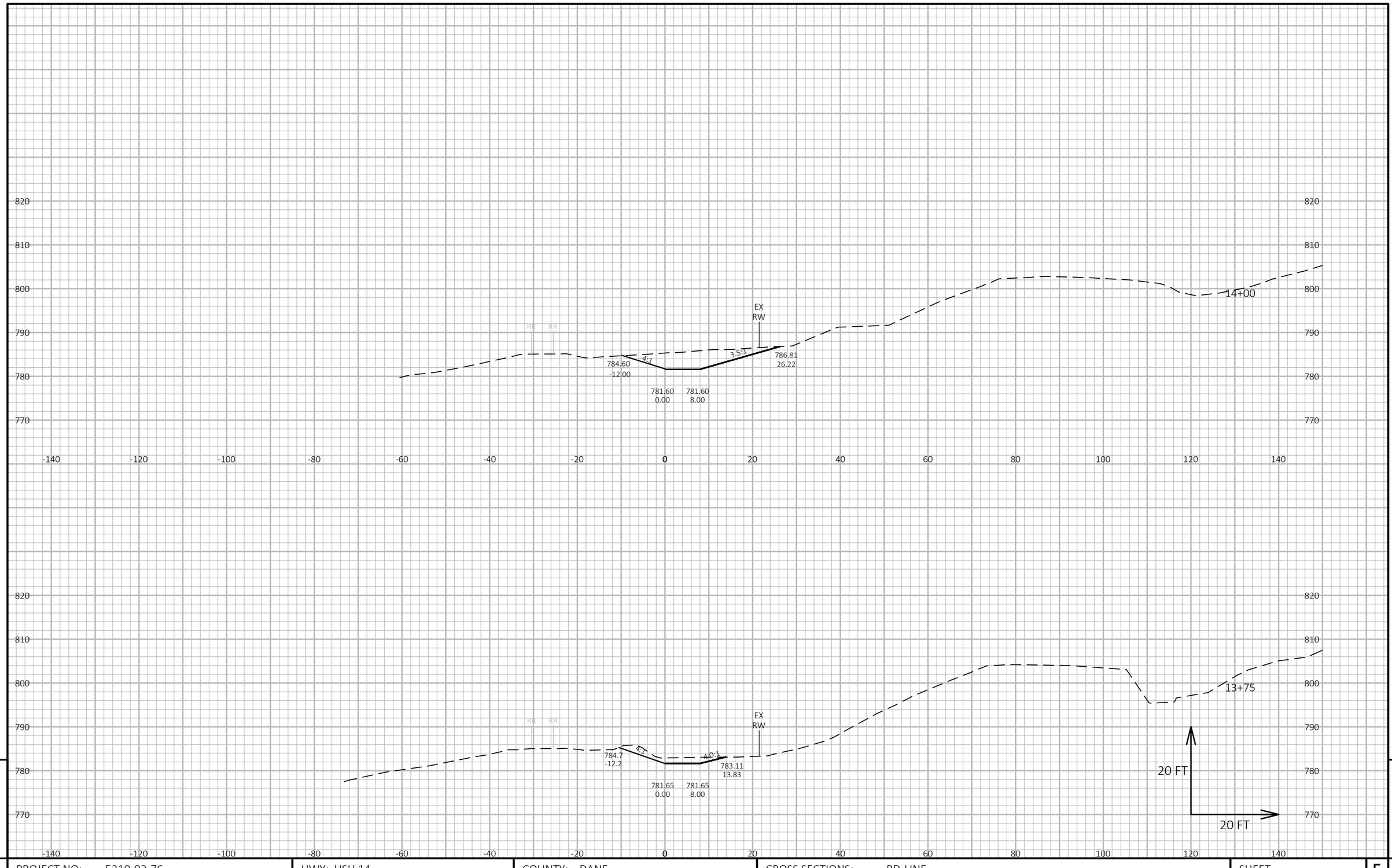
FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 8

PLOT DATE : 8/1/2018 3:44 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 435	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 9

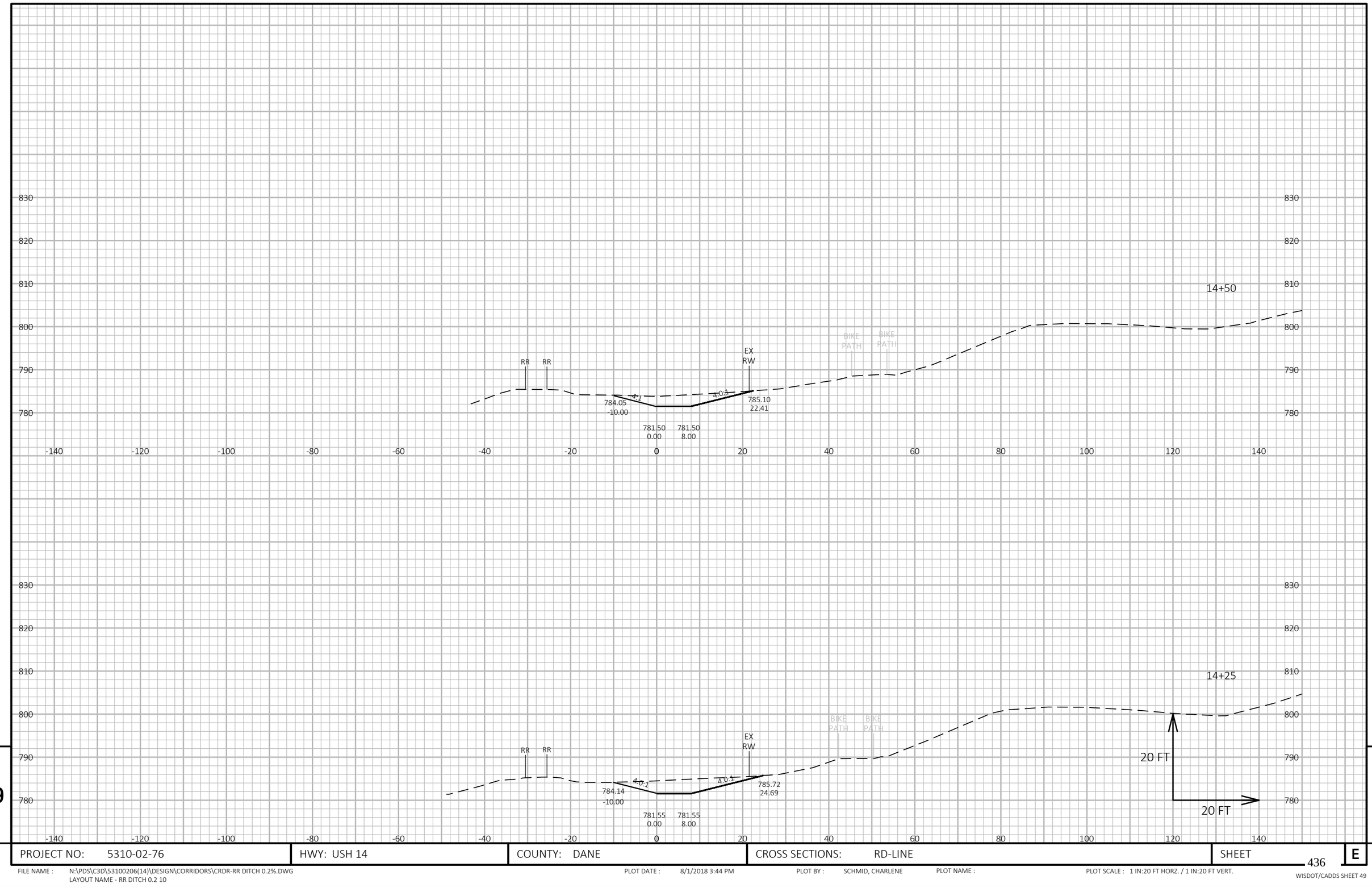
PLOT DATE : 8/1/2018 3:44 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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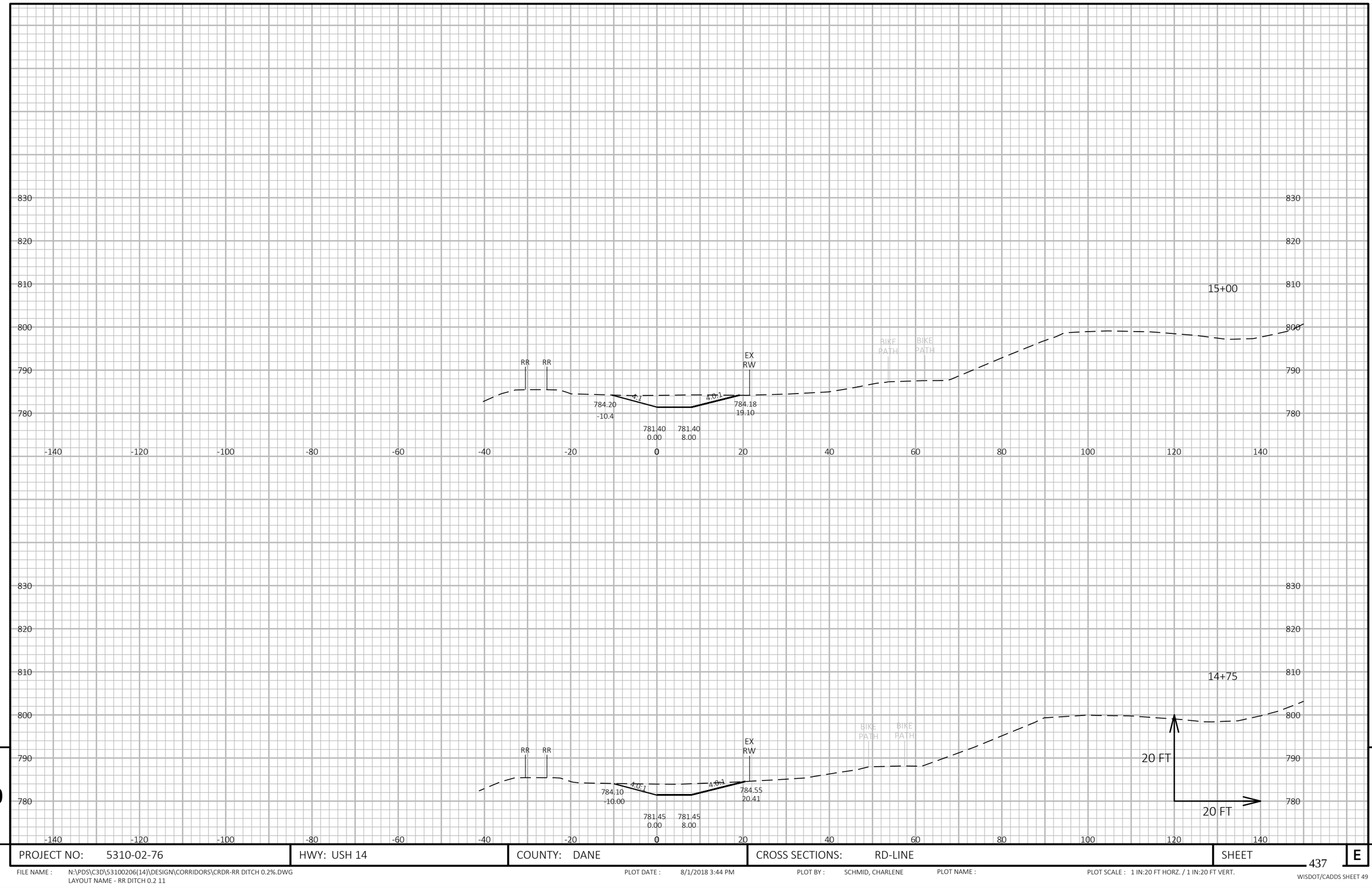
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 436	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 10

PLOT DATE : 8/1/2018 3:44 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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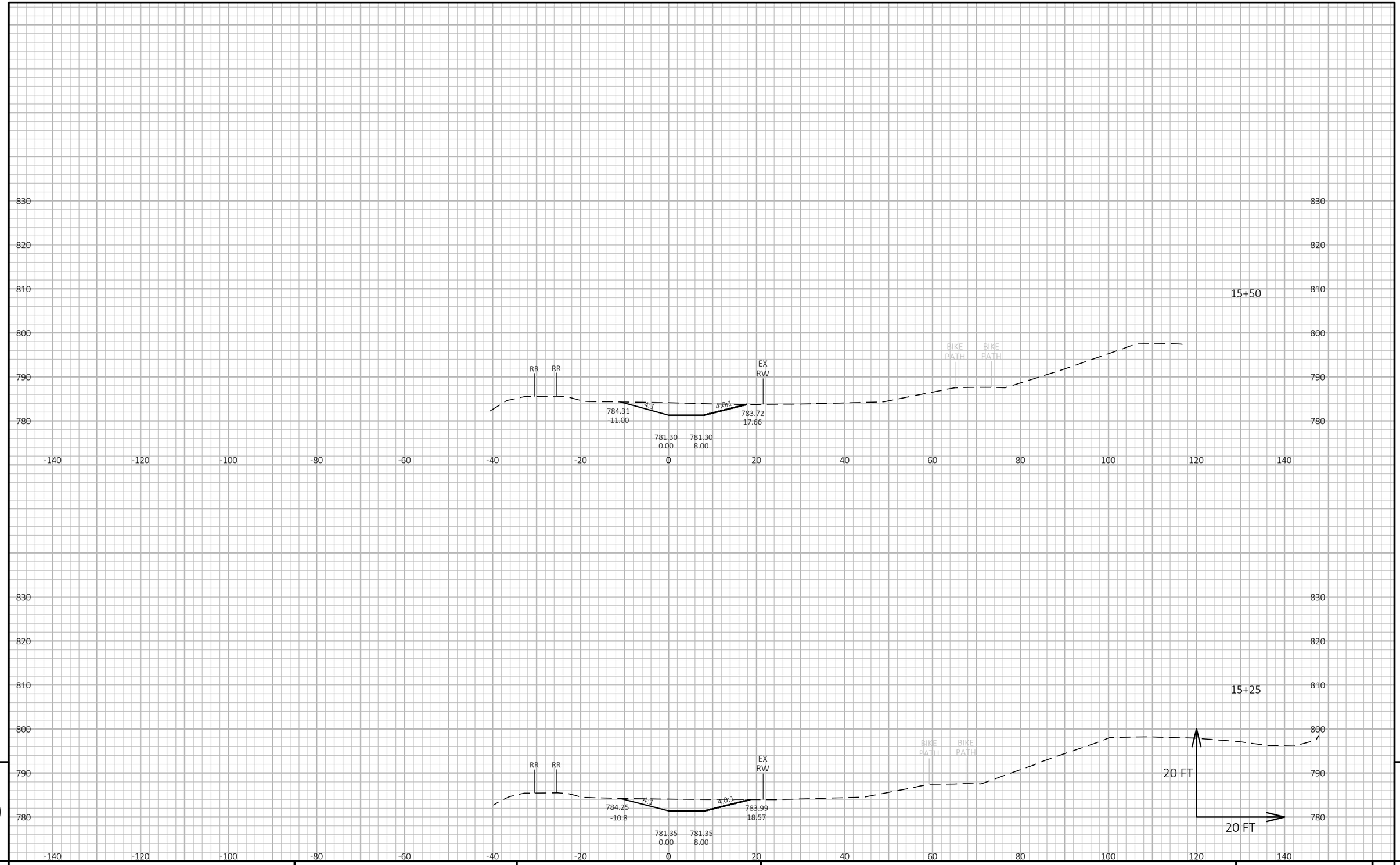
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 437	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 11

PLOT DATE : 8/1/2018 3:44 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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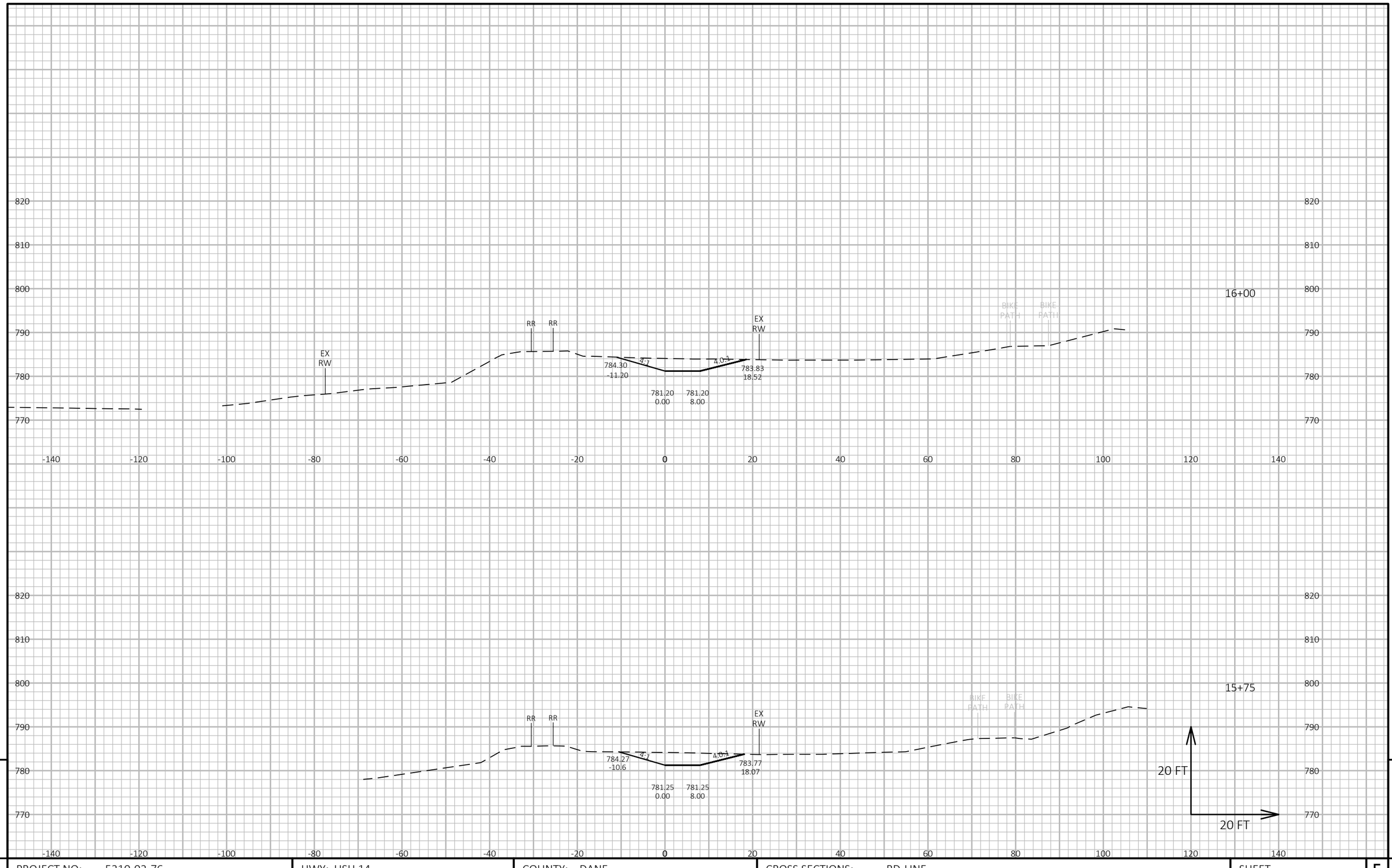
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 438	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 12

PLOT DATE : 8/1/2018 3:44 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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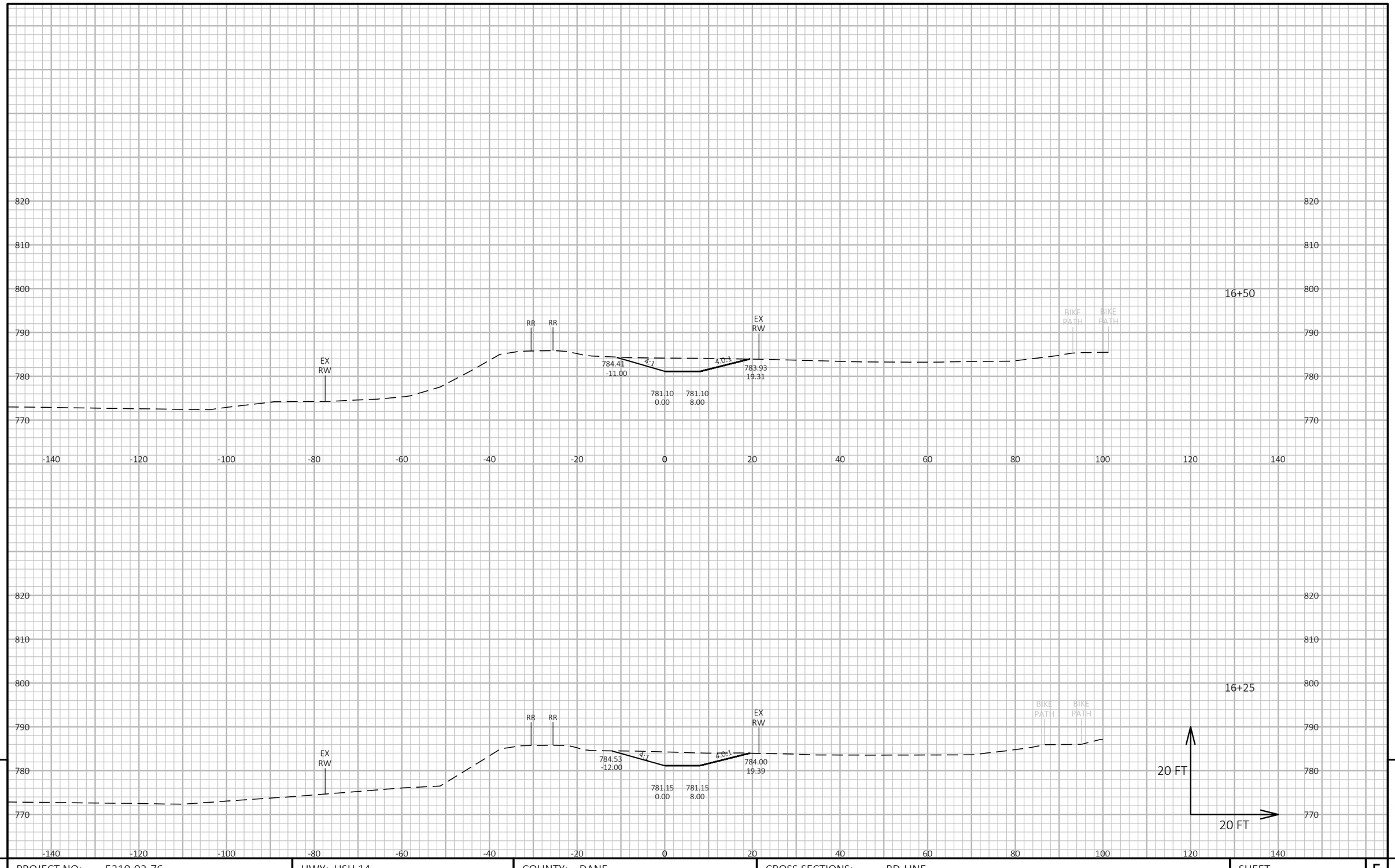
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 439	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 13

PLOT DATE : 8/1/2018 3:45 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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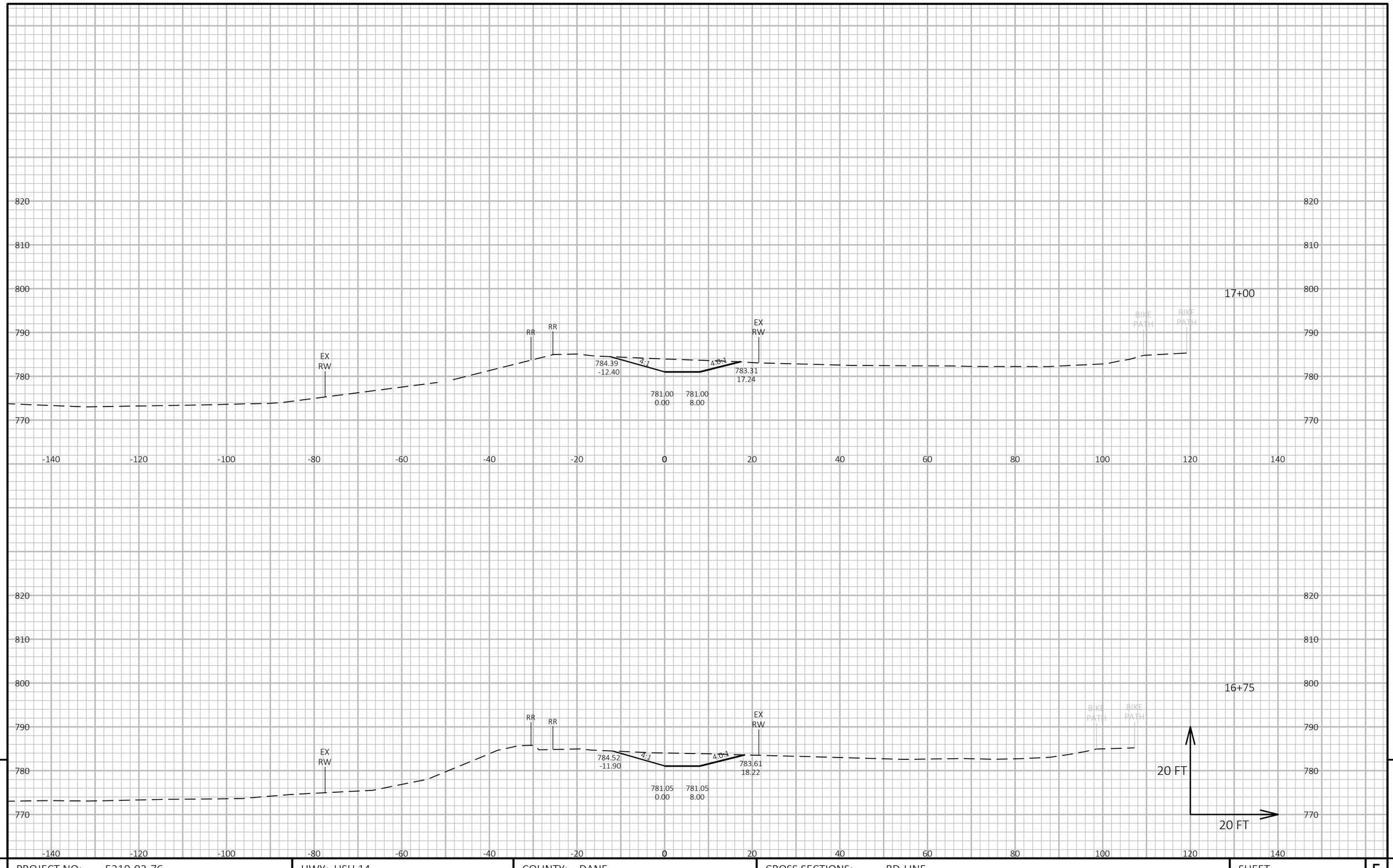
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 440	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 14

PLOT DATE : 8/1/2018 3:45 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 441	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 15

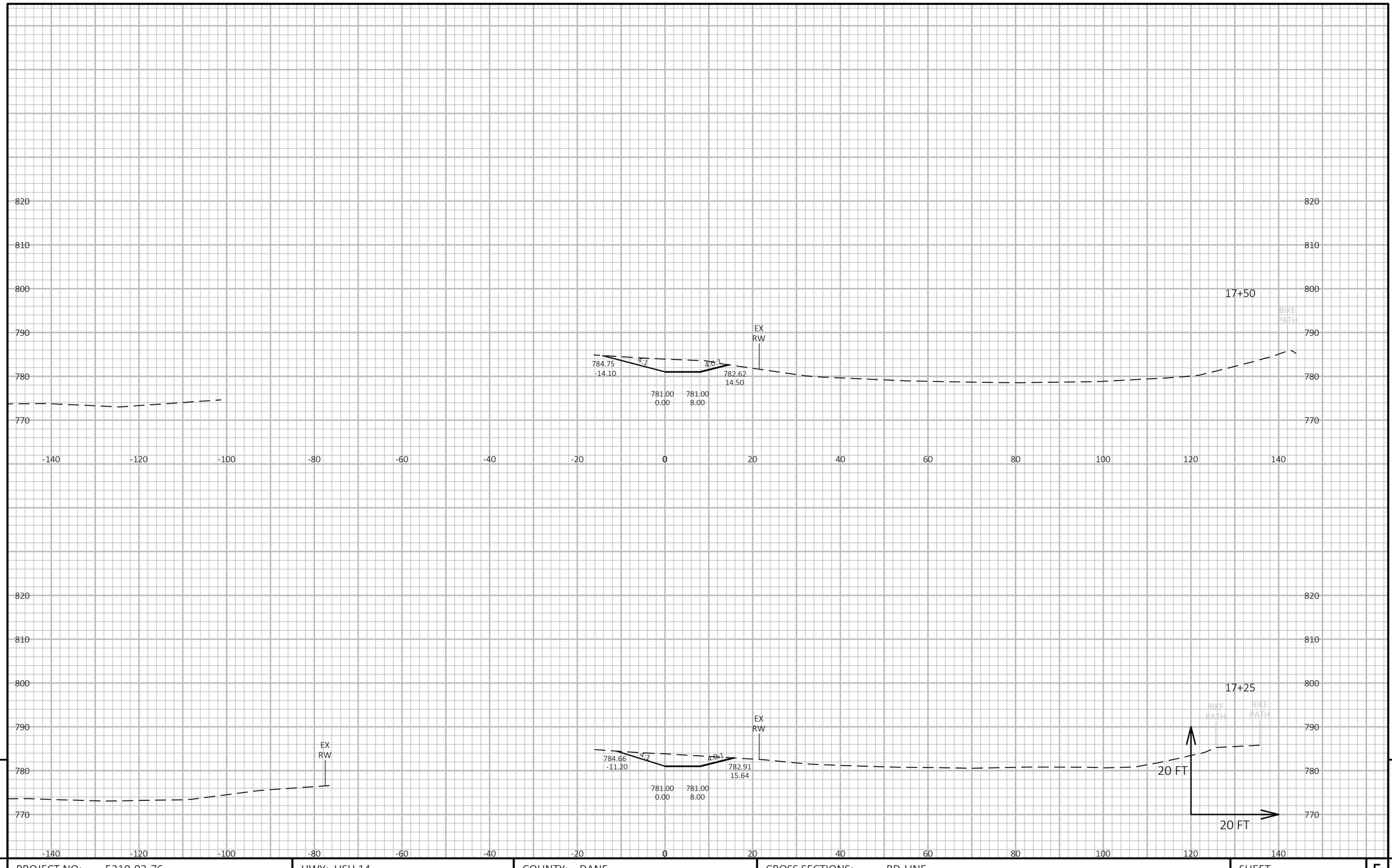
PLOT DATE : 8/1/2018 3:45 PM

PLOT BY : SCHMID, CHARLENE

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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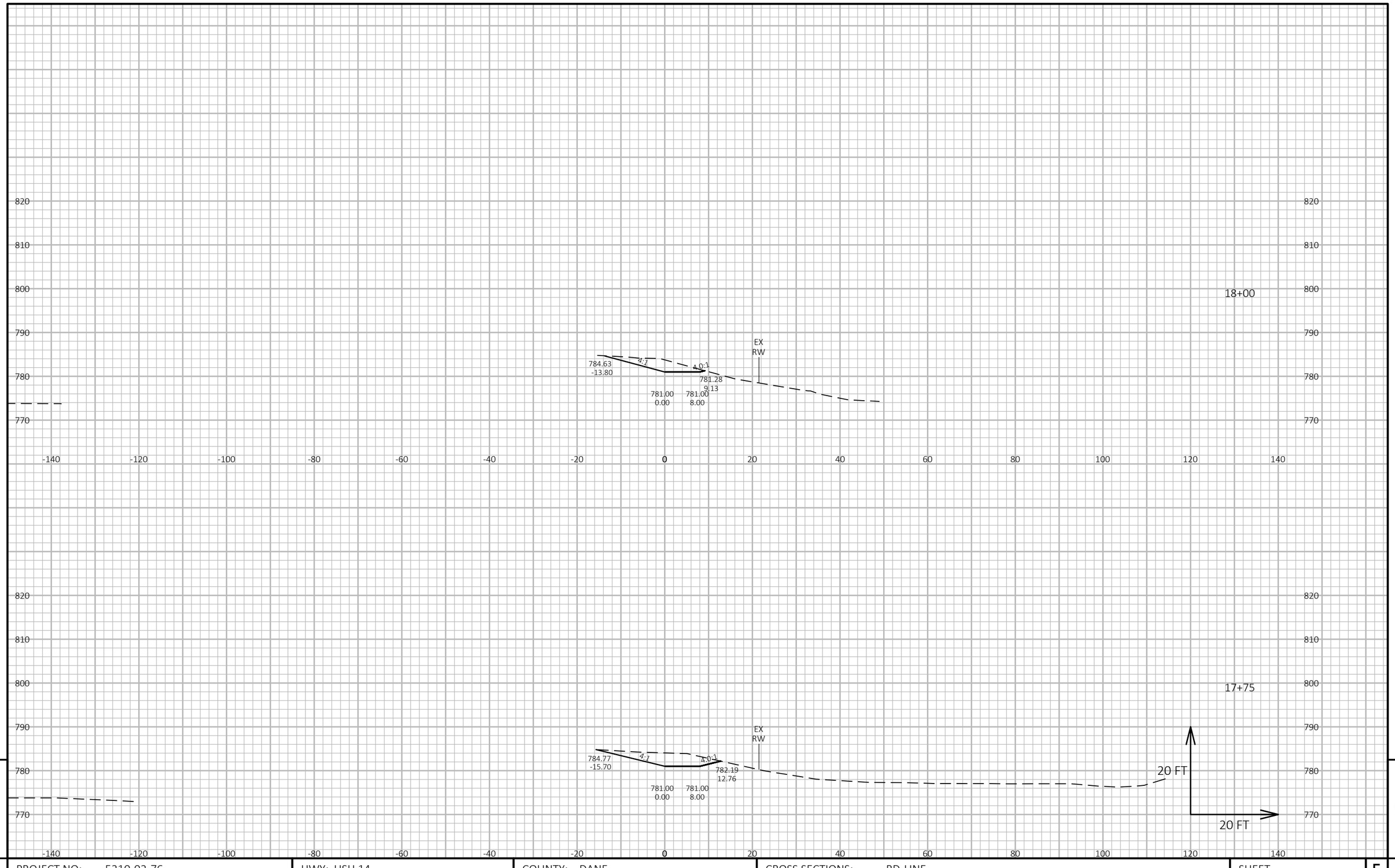
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 442	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 16

PLOT DATE : 8/1/2018 3:45 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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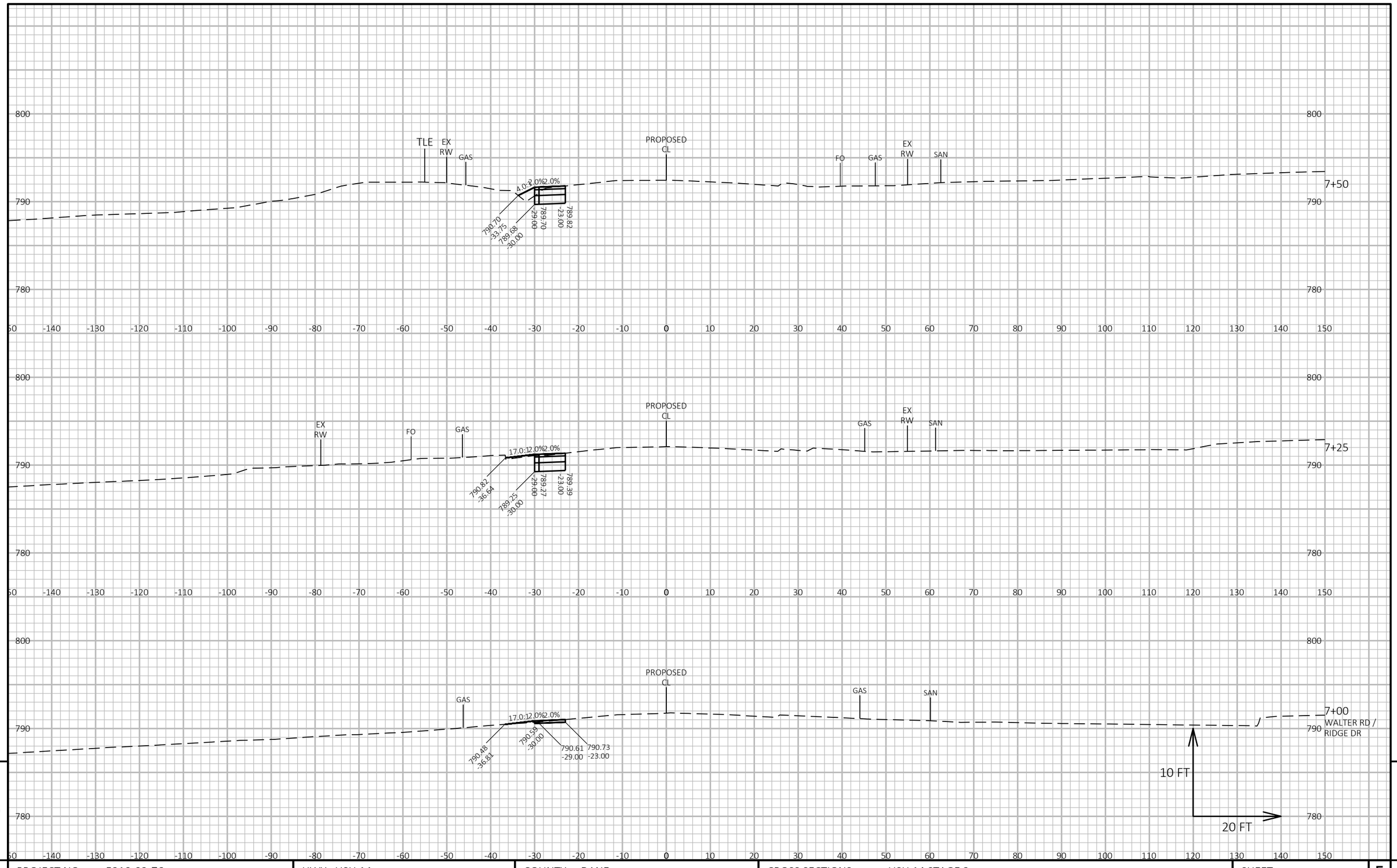
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: RD-LINE	SHEET 443	E

FILE NAME : N:\PDS\C3D\53100206(14)\DESIGN\CORRIDORS\CRDR-RR DITCH 0.2%.DWG
LAYOUT NAME - RR DITCH 0.2 17

PLOT DATE : 8/1/2018 3:45 PM PLOT BY : SCHMID, CHARLENE PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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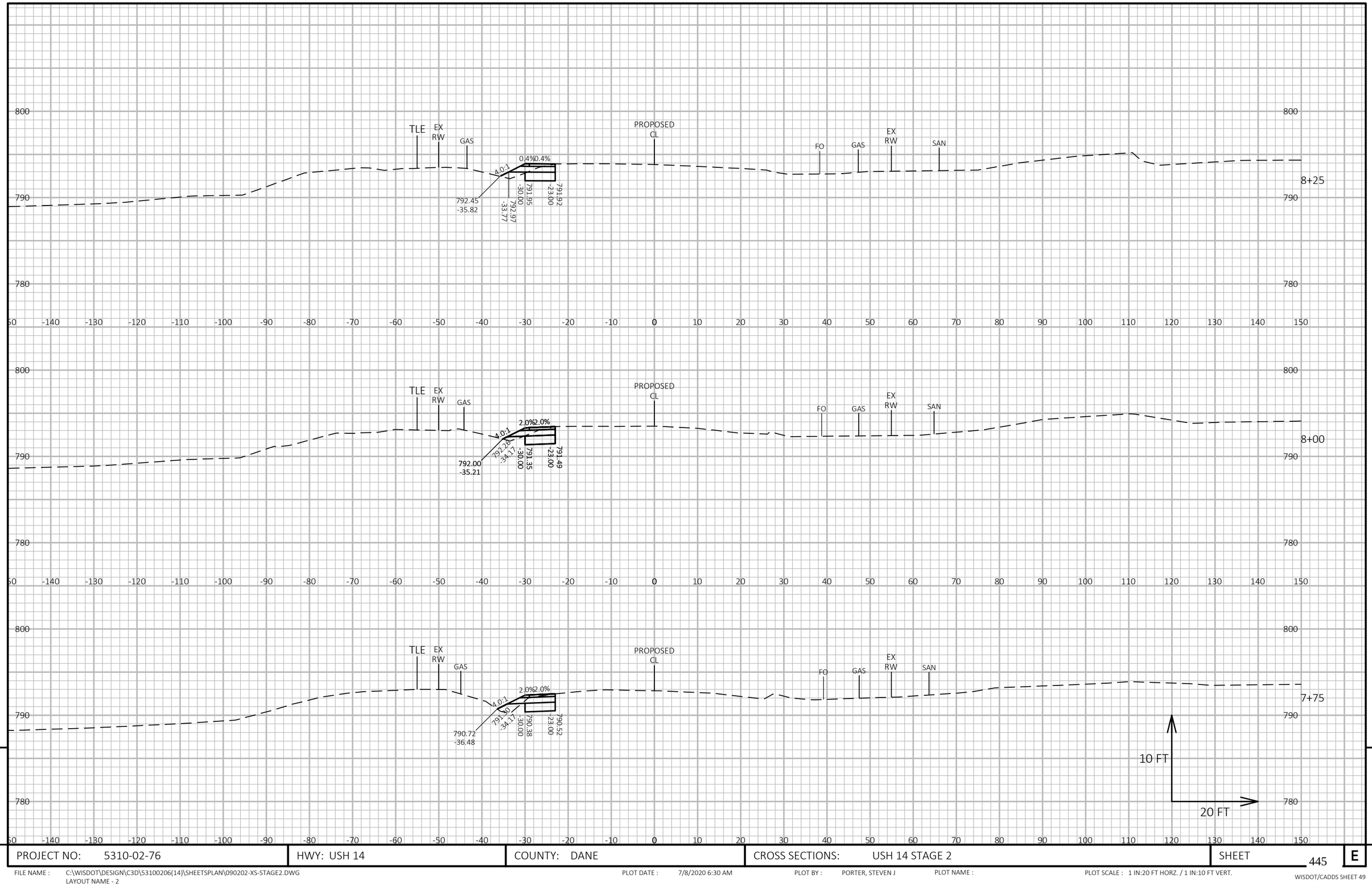
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 444	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 1

PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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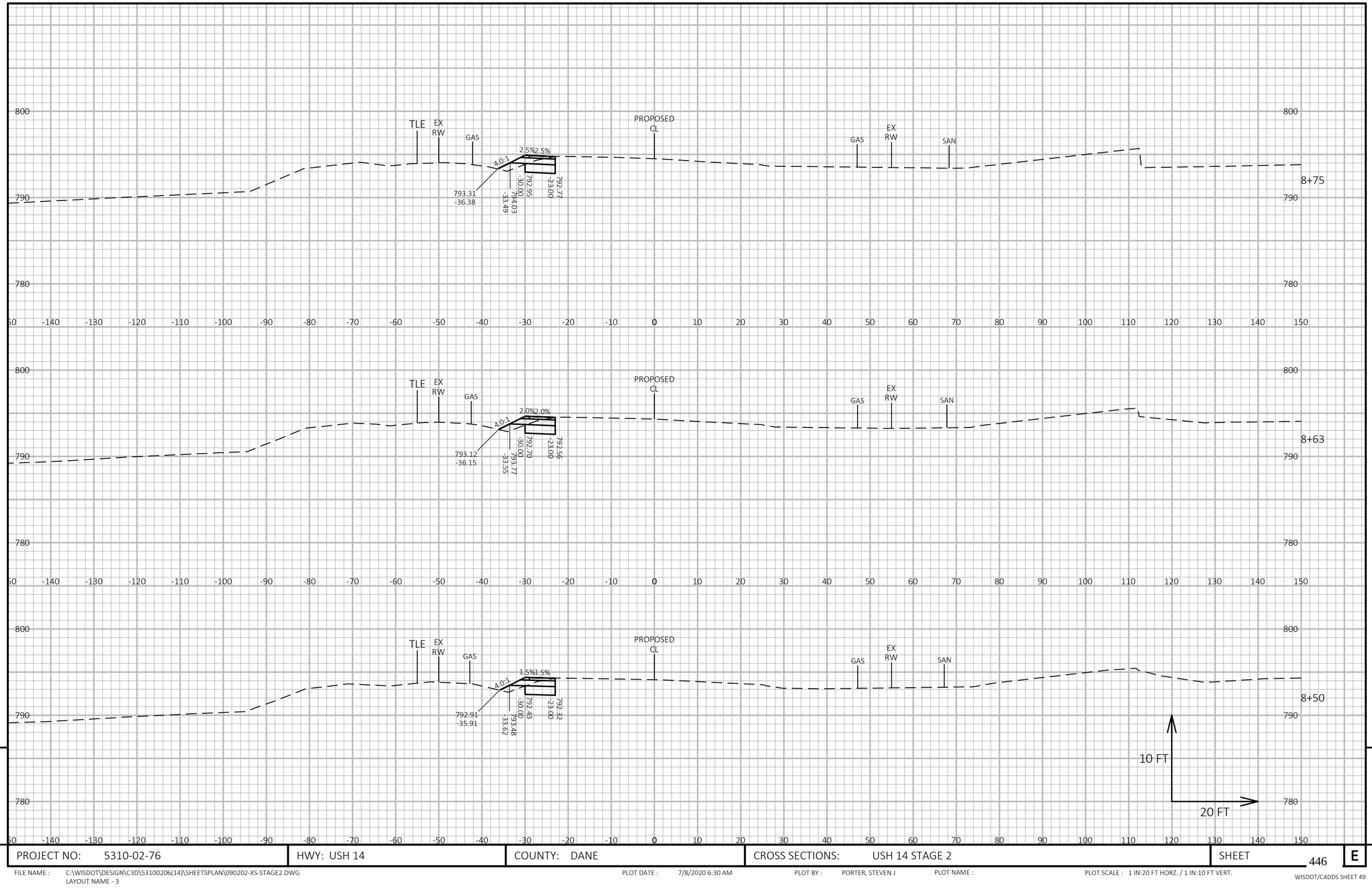
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 445	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 2

PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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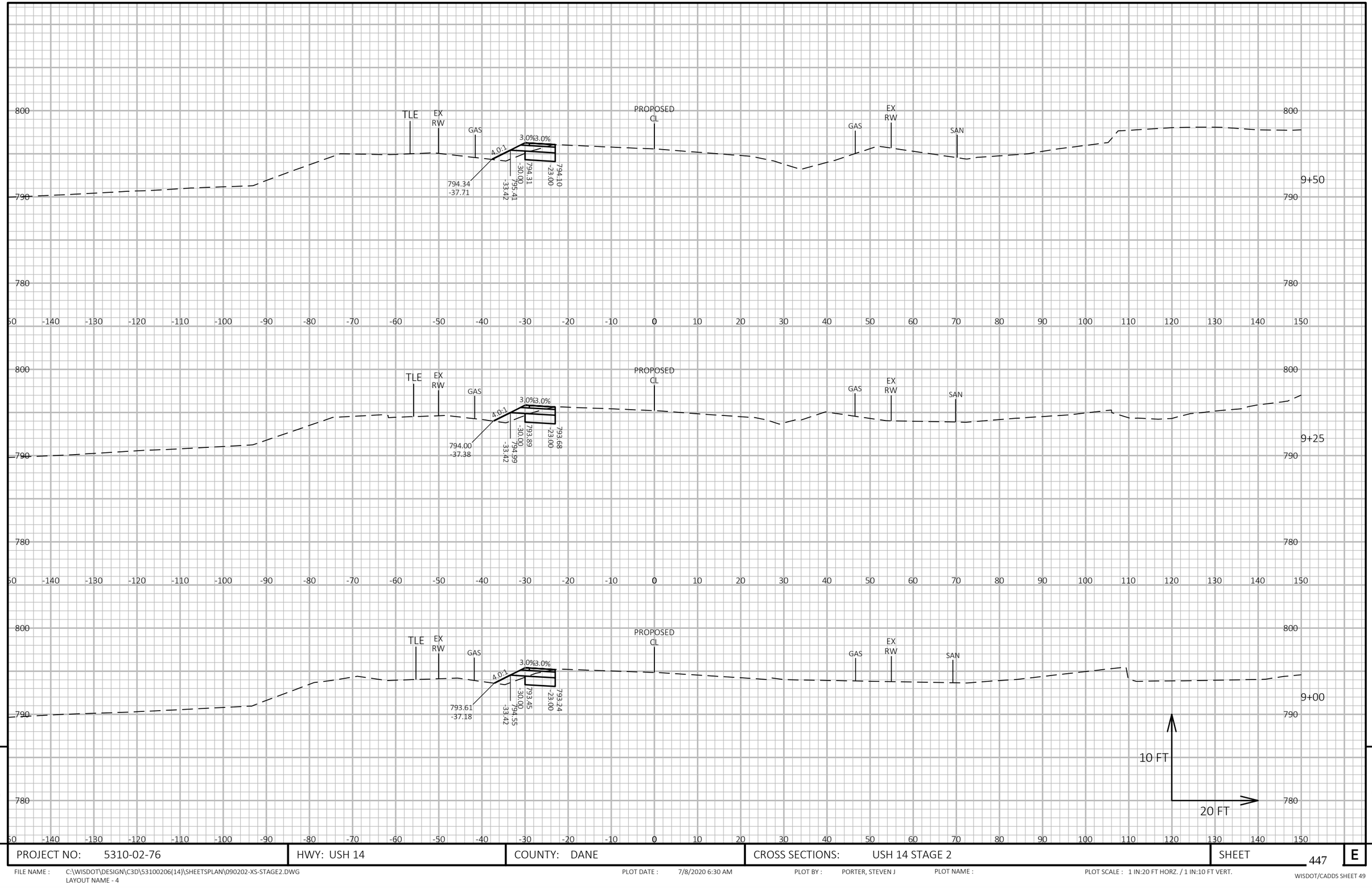
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 446	E



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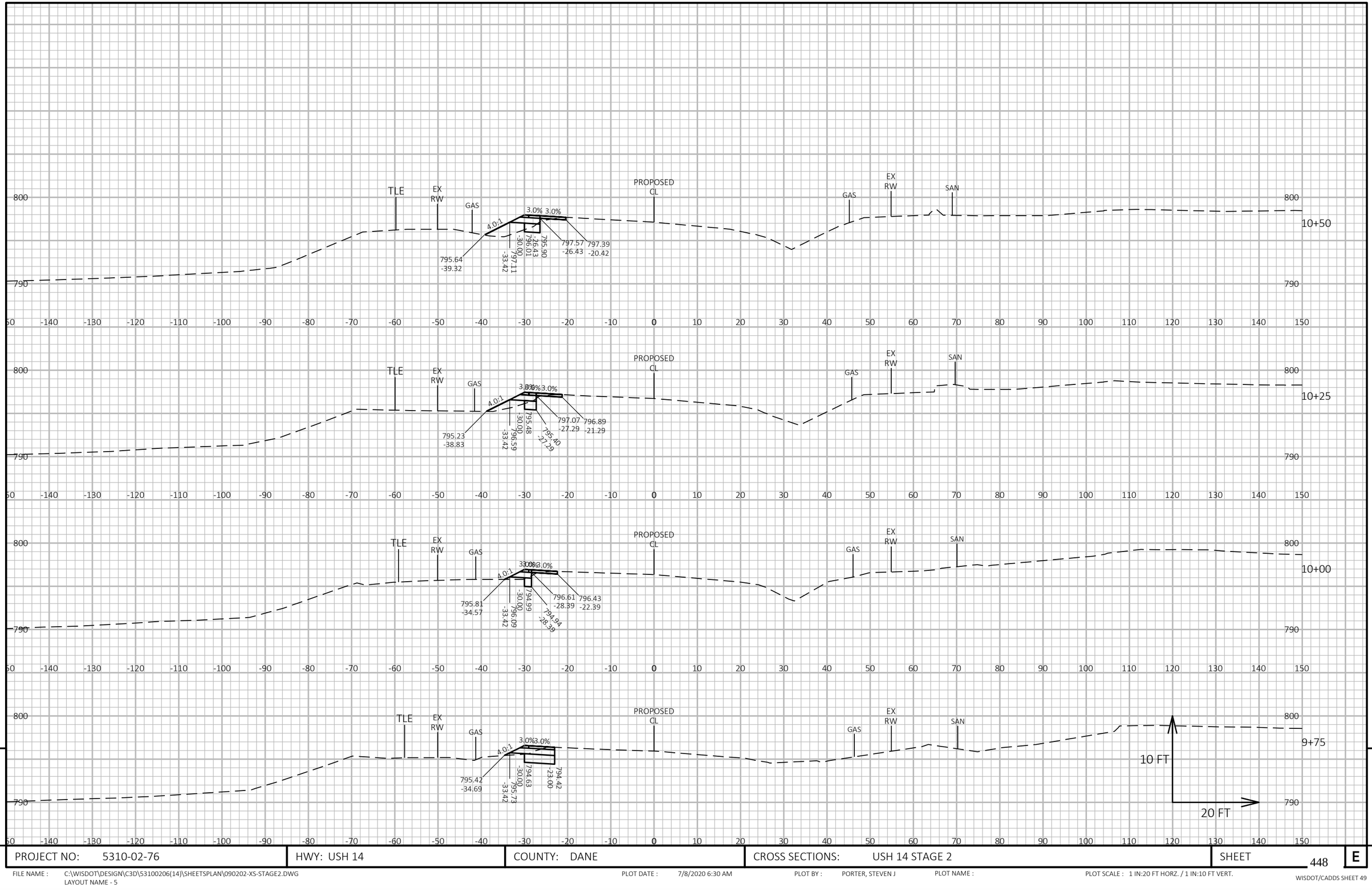
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 447	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 4

PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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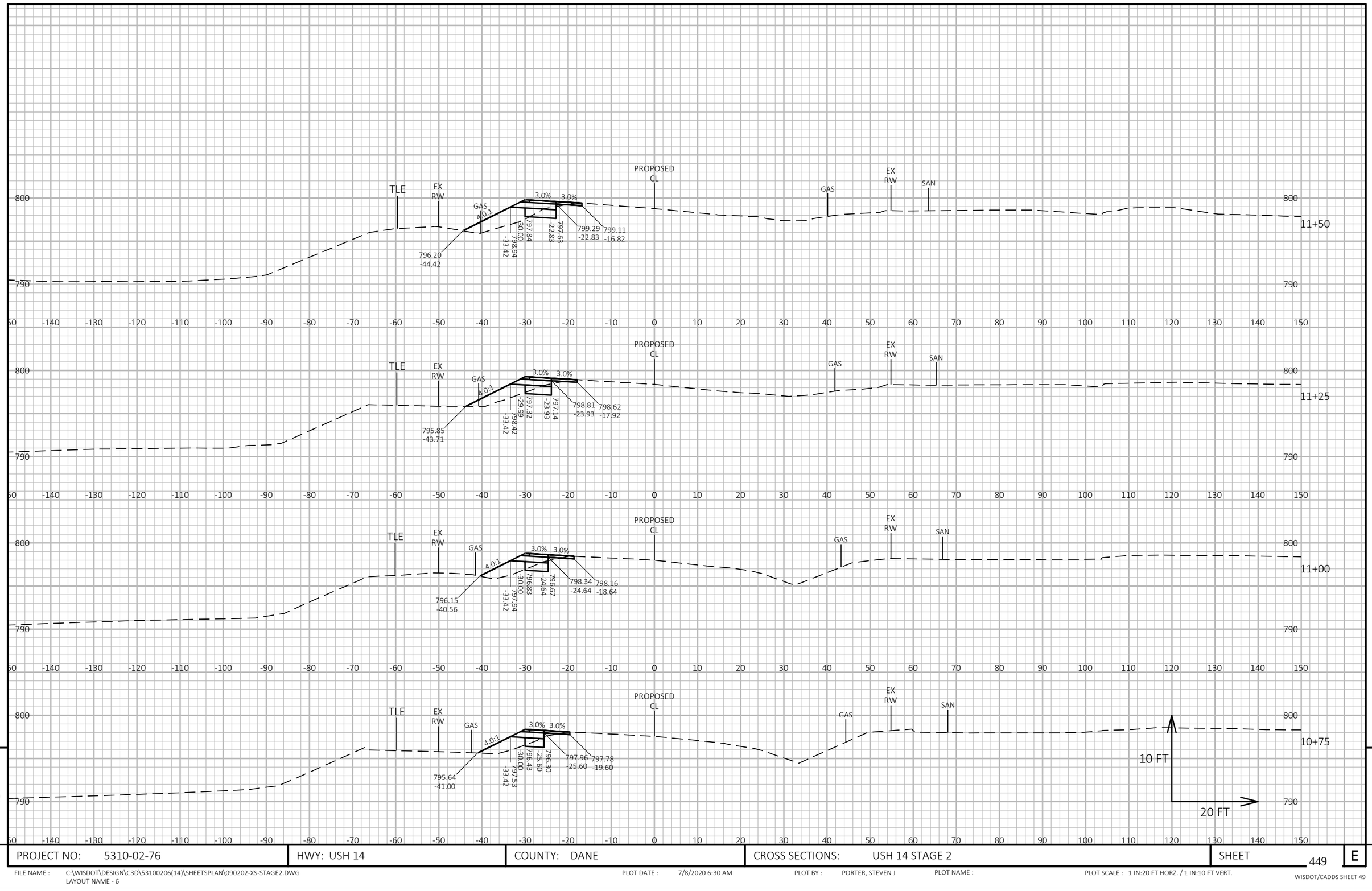
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 448	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 5

PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

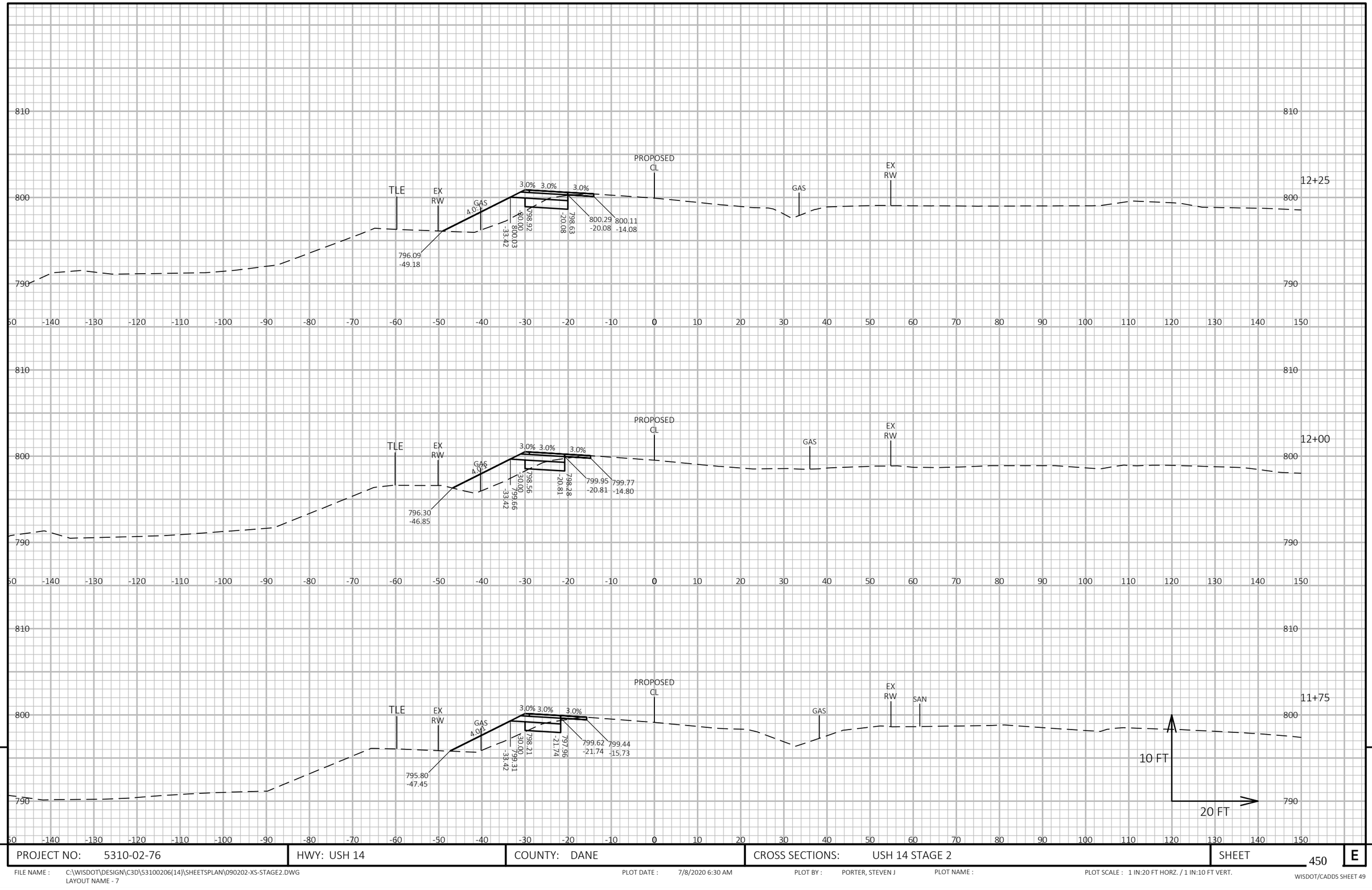
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 449	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 6
PLOT DATE : 7/8/2020 6:30 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 450	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 7

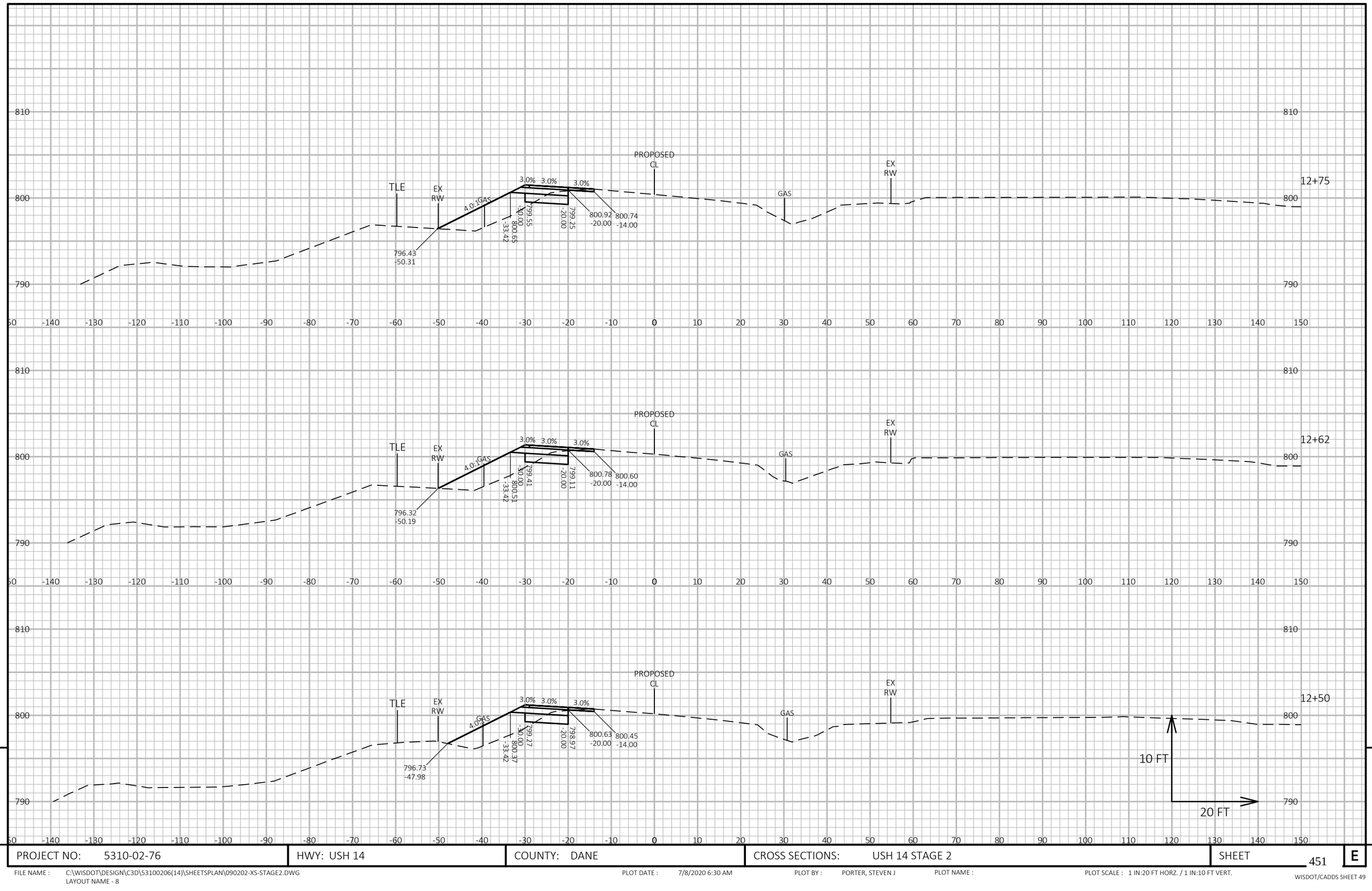
PLOT DATE : 7/8/2020 6:30 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 451	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 8

PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 452	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 9

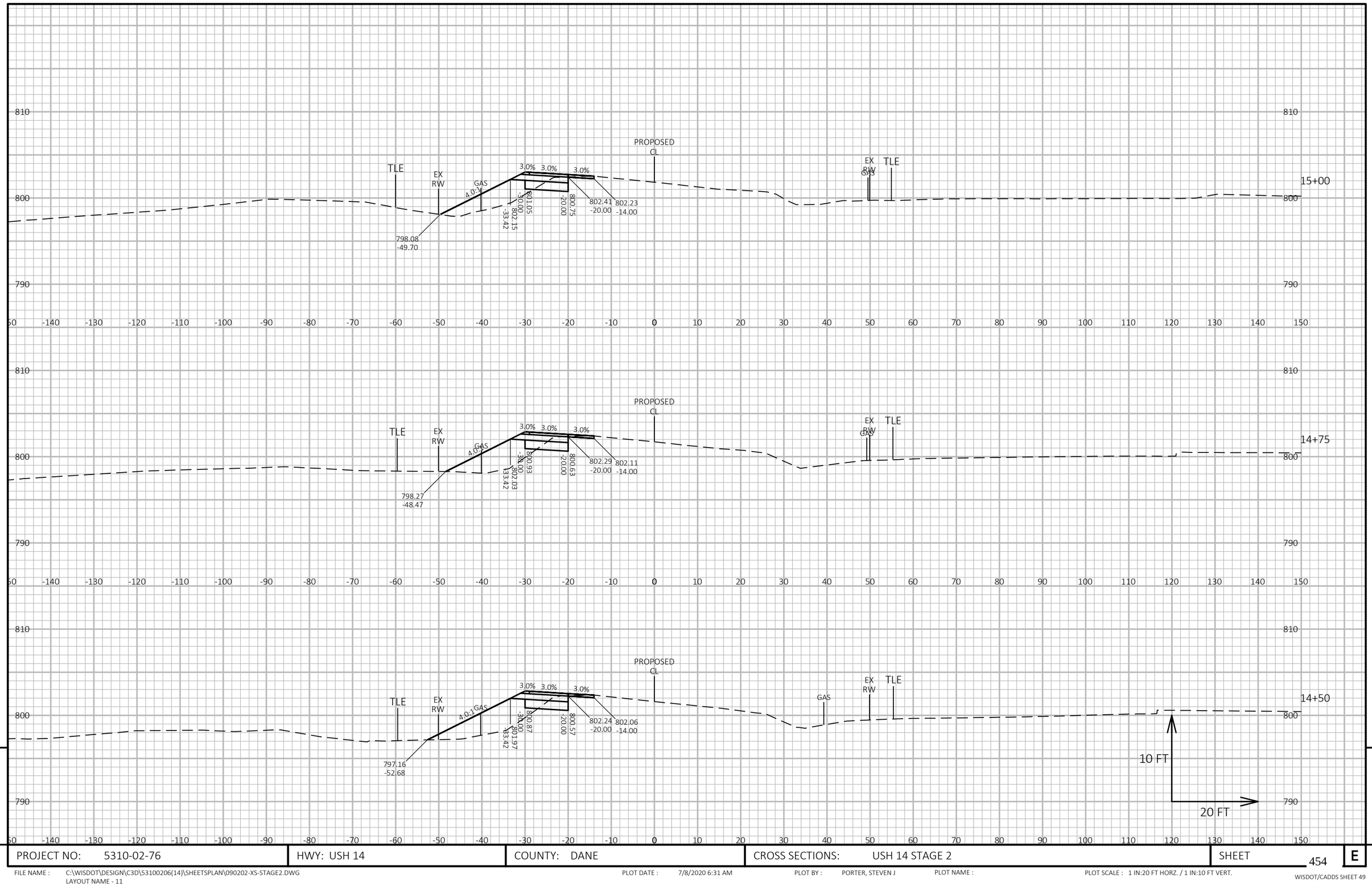
PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 453 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 10

PLOT DATE : 7/8/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 454	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 11

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 455	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 12

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 456	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 13

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 457	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 14

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

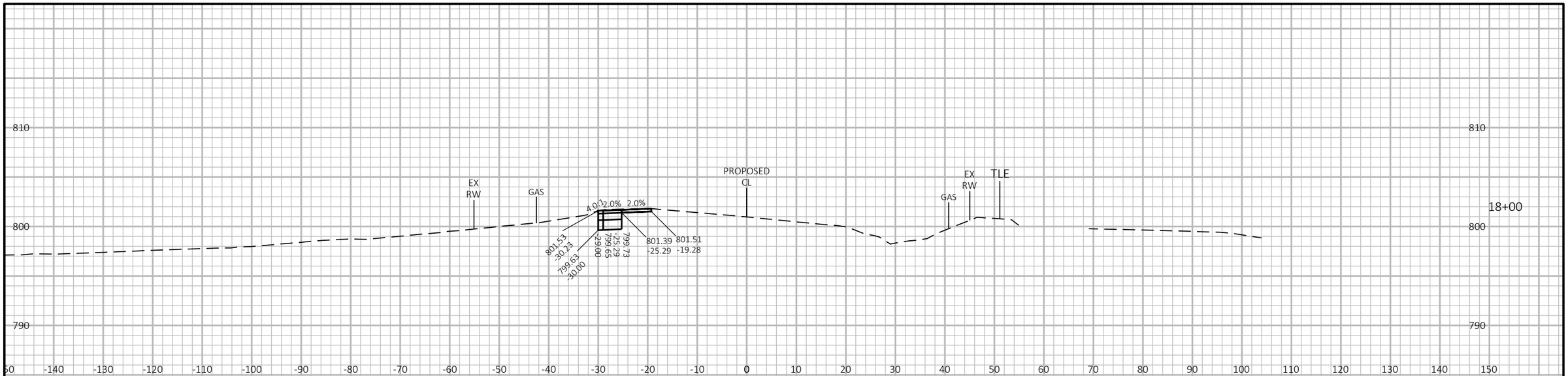
WISDOT/CADDS SHEET 49

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 458	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 15

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 459	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 16

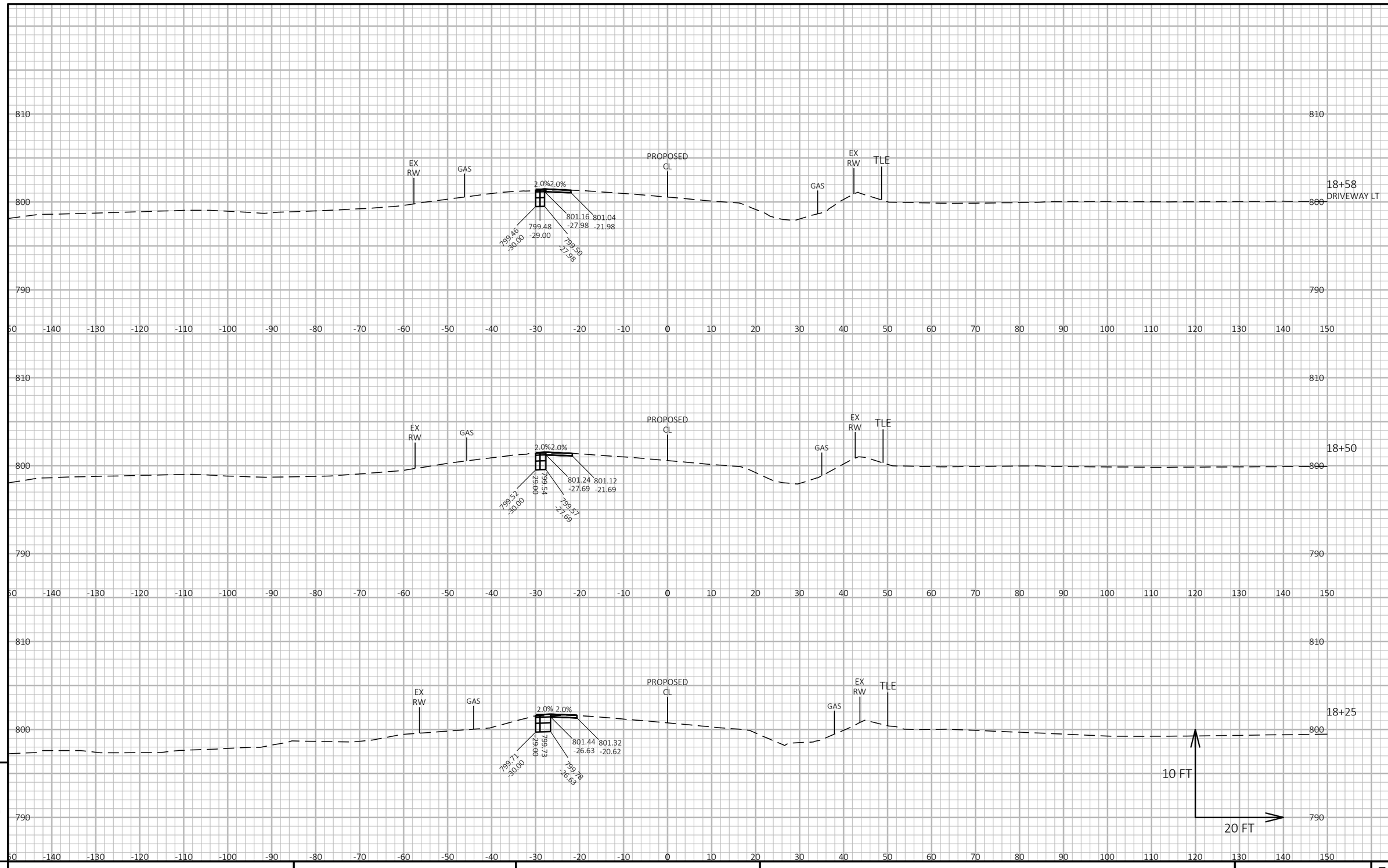
PLOT DATE : 7/8/2020 6:31 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



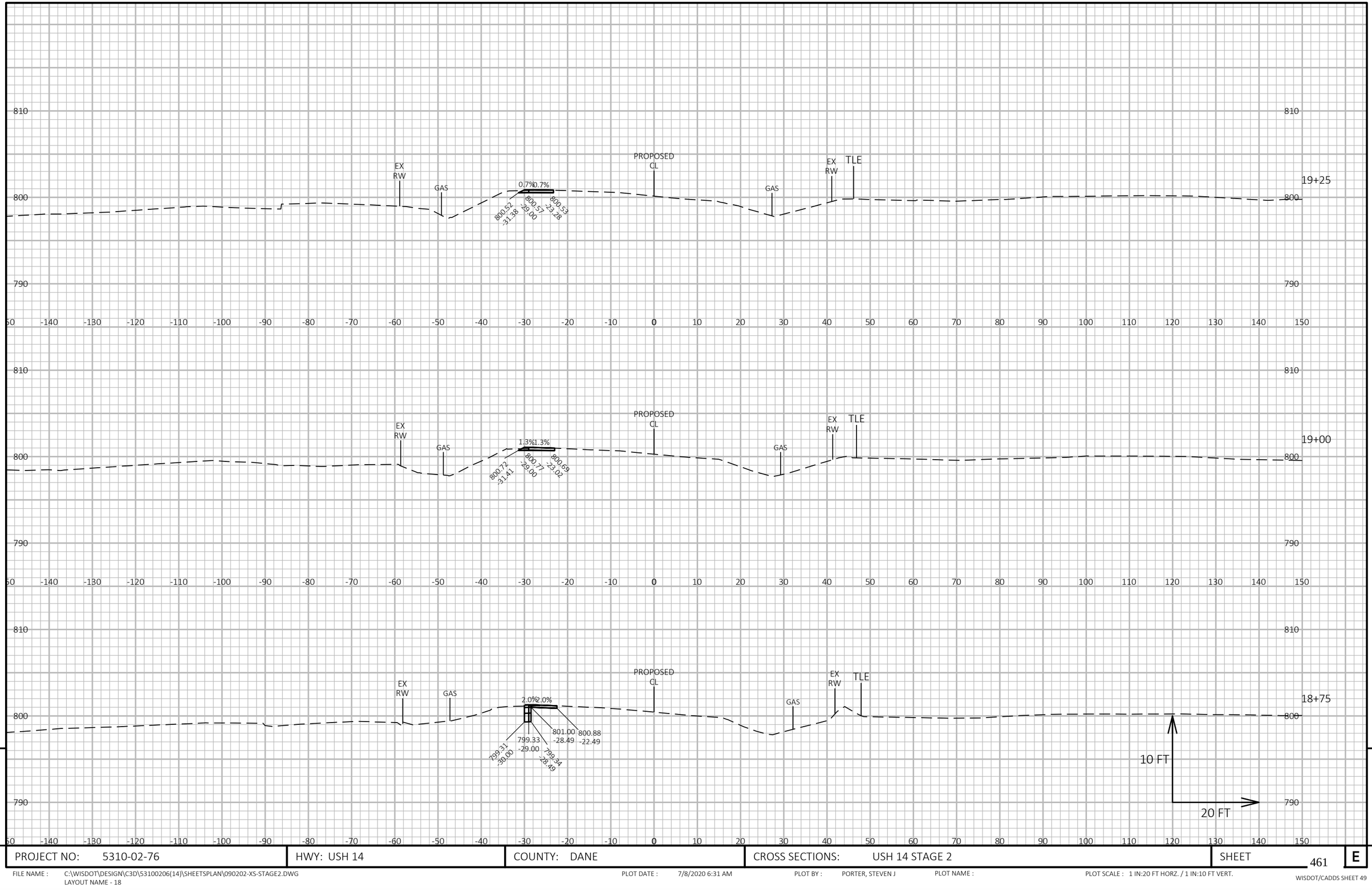
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 460	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 17

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 461	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 18

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 462	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 19

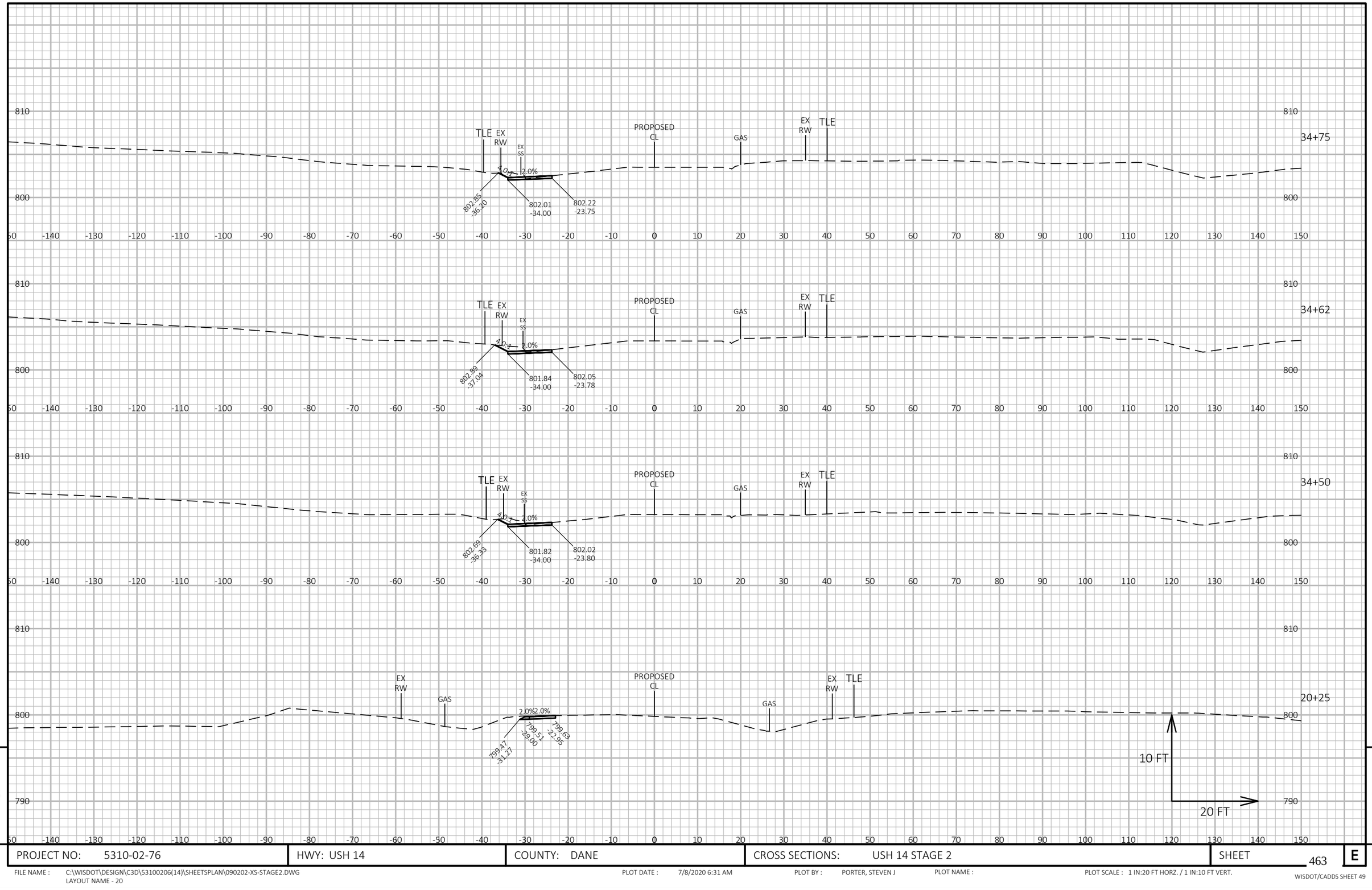
PLOT DATE : 7/8/2020 6:31 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



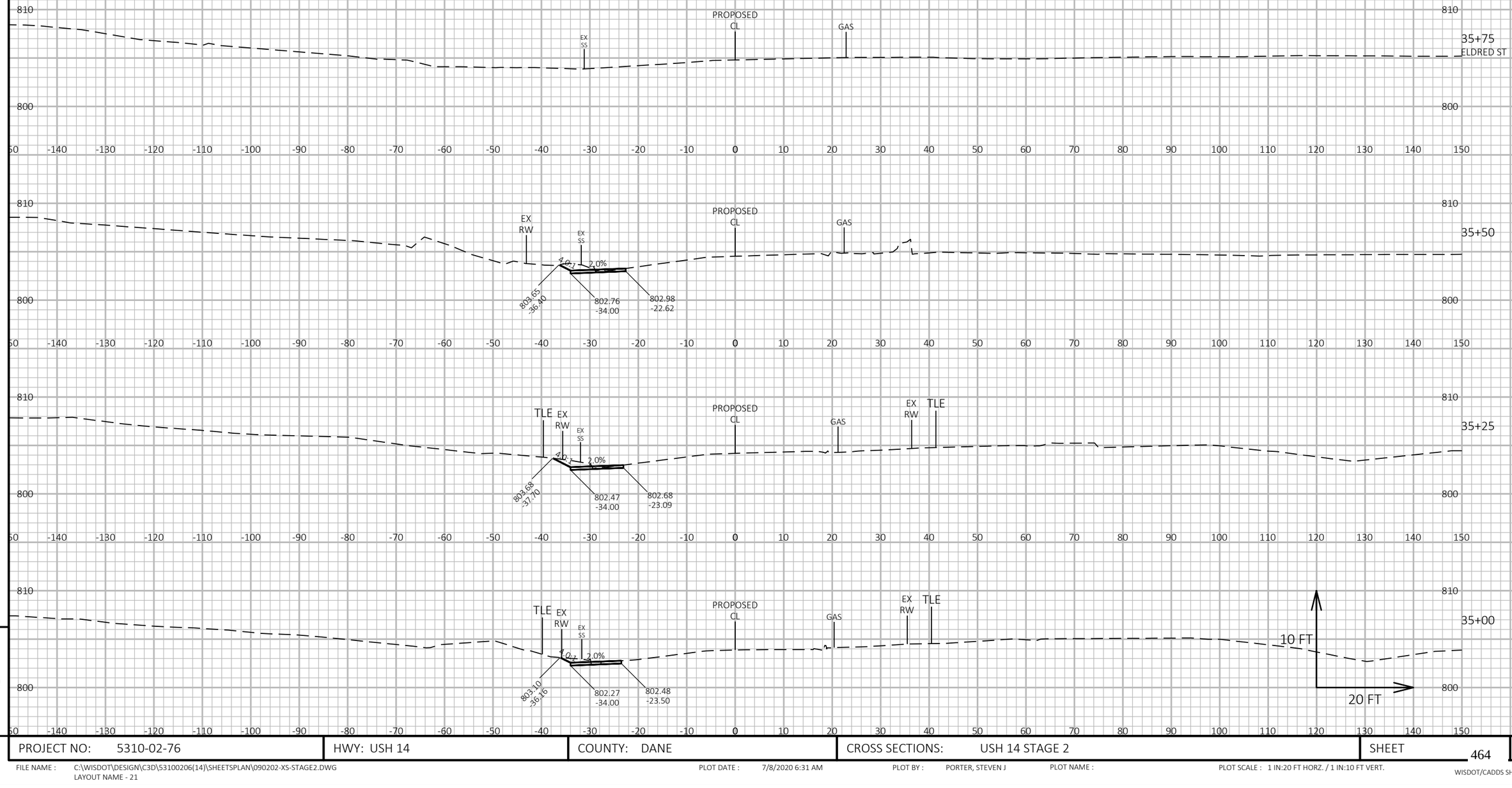
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 463	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 20

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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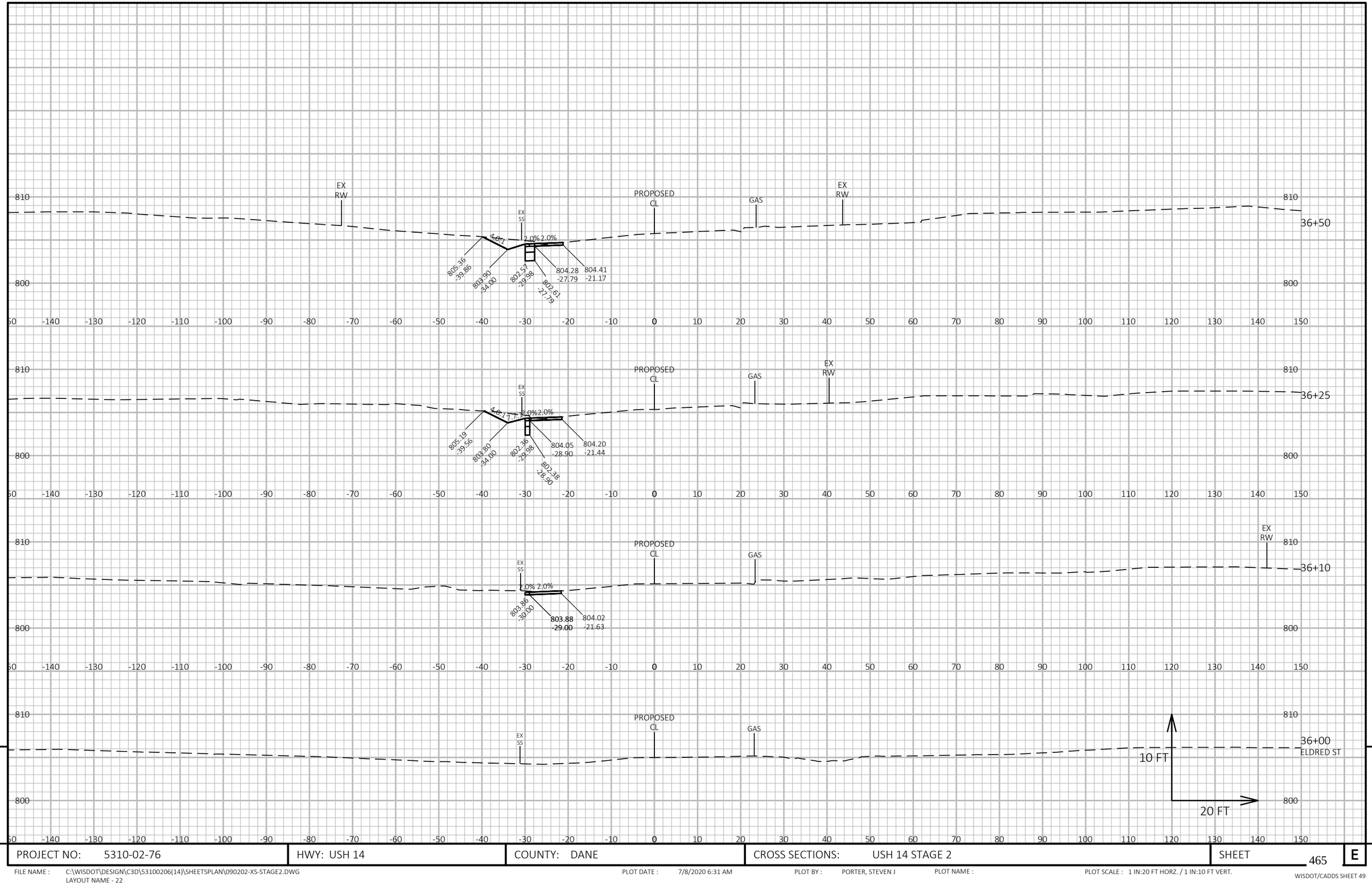
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 464	E

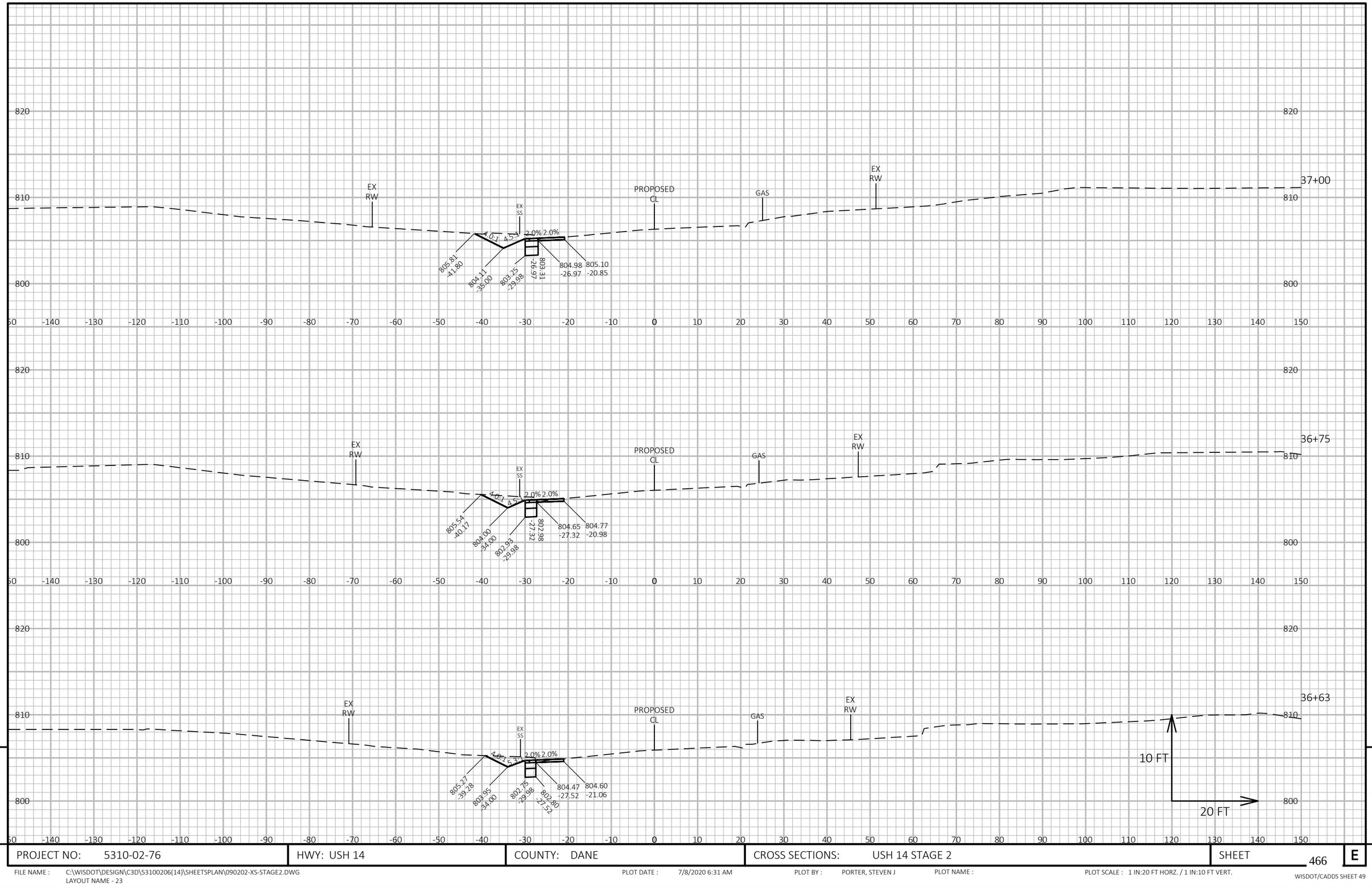
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 21

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 465	E



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 466	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 23

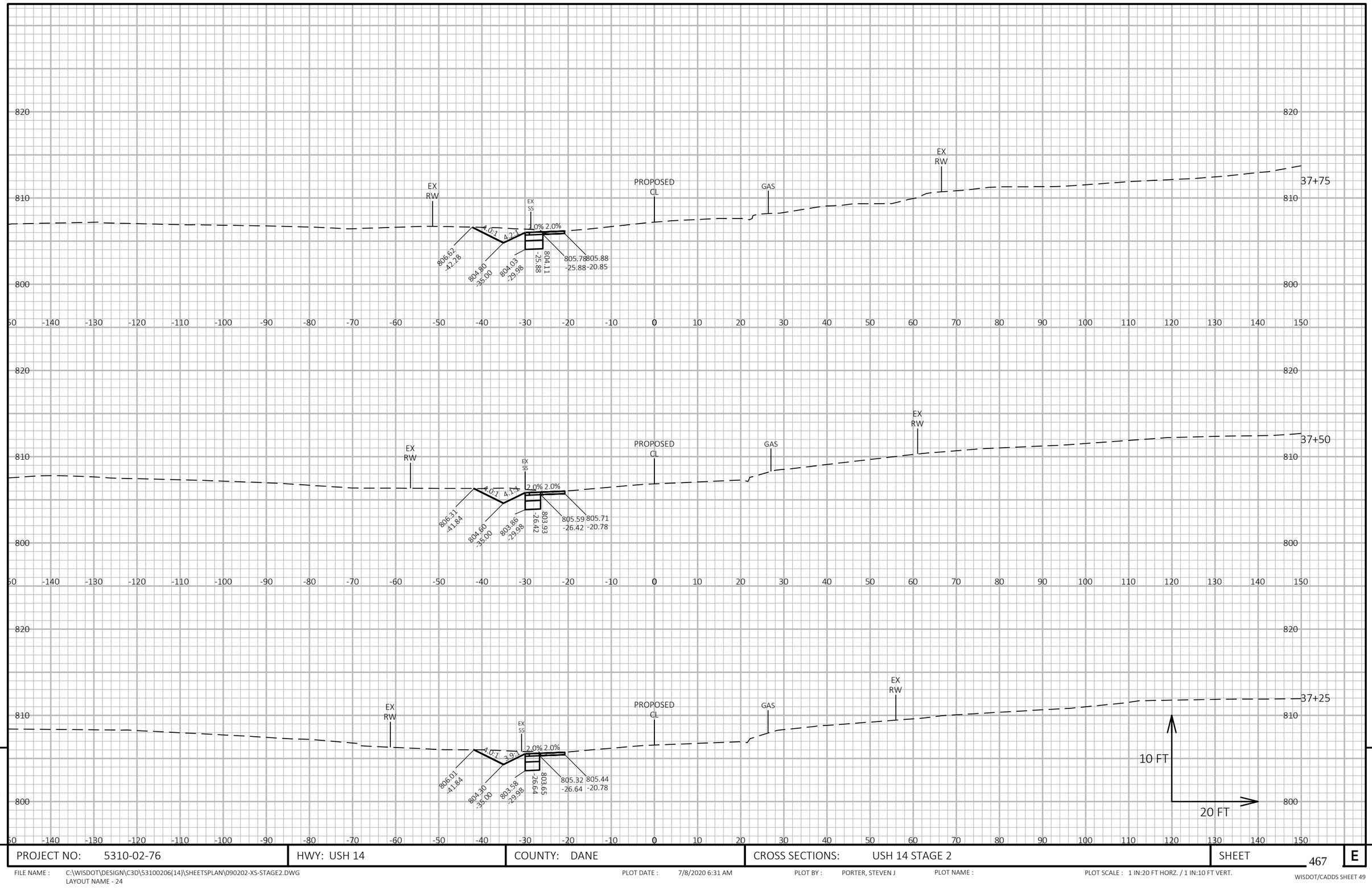
PLOT DATE : 7/8/2020 6:31 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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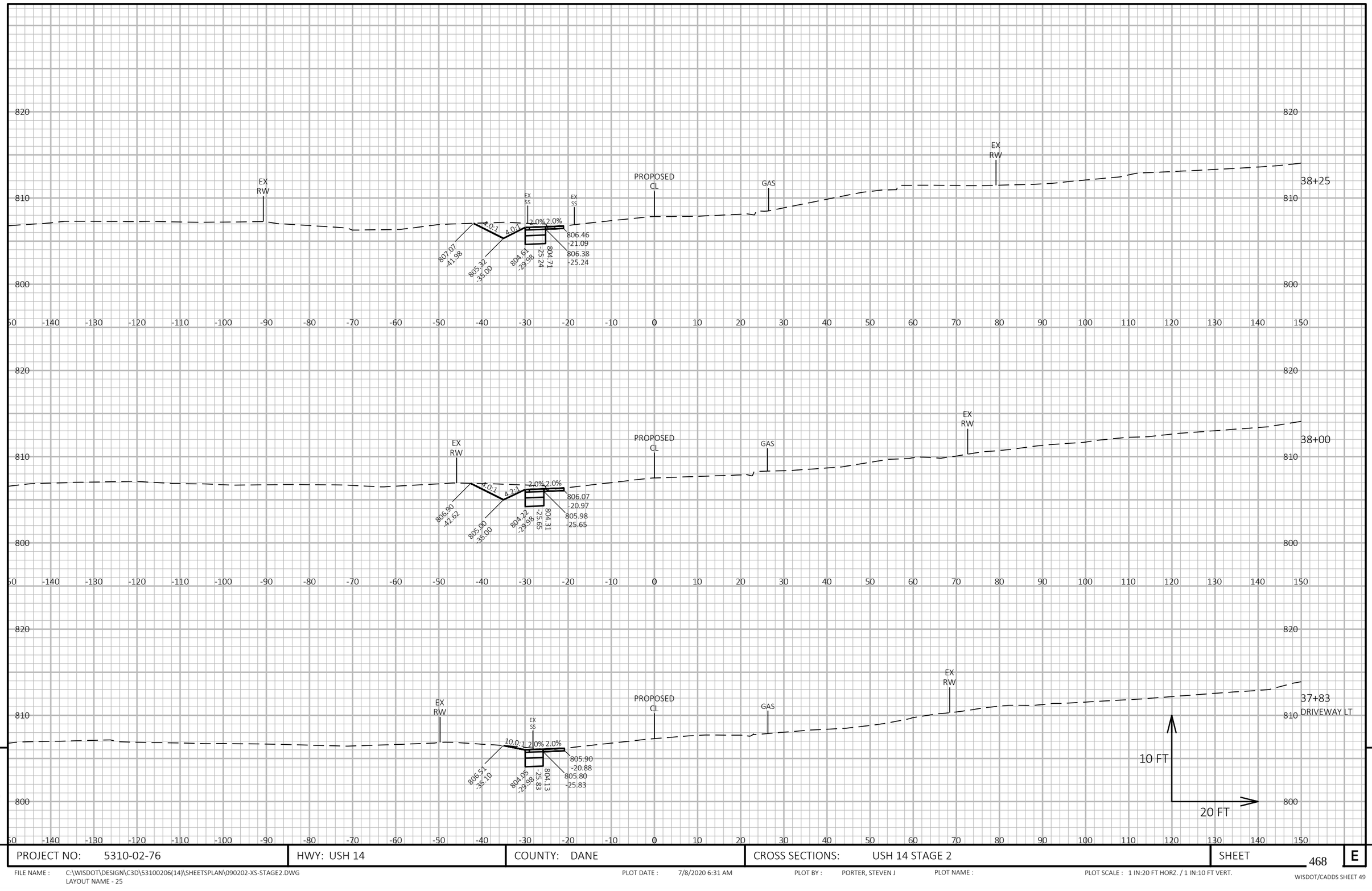
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 467	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 24

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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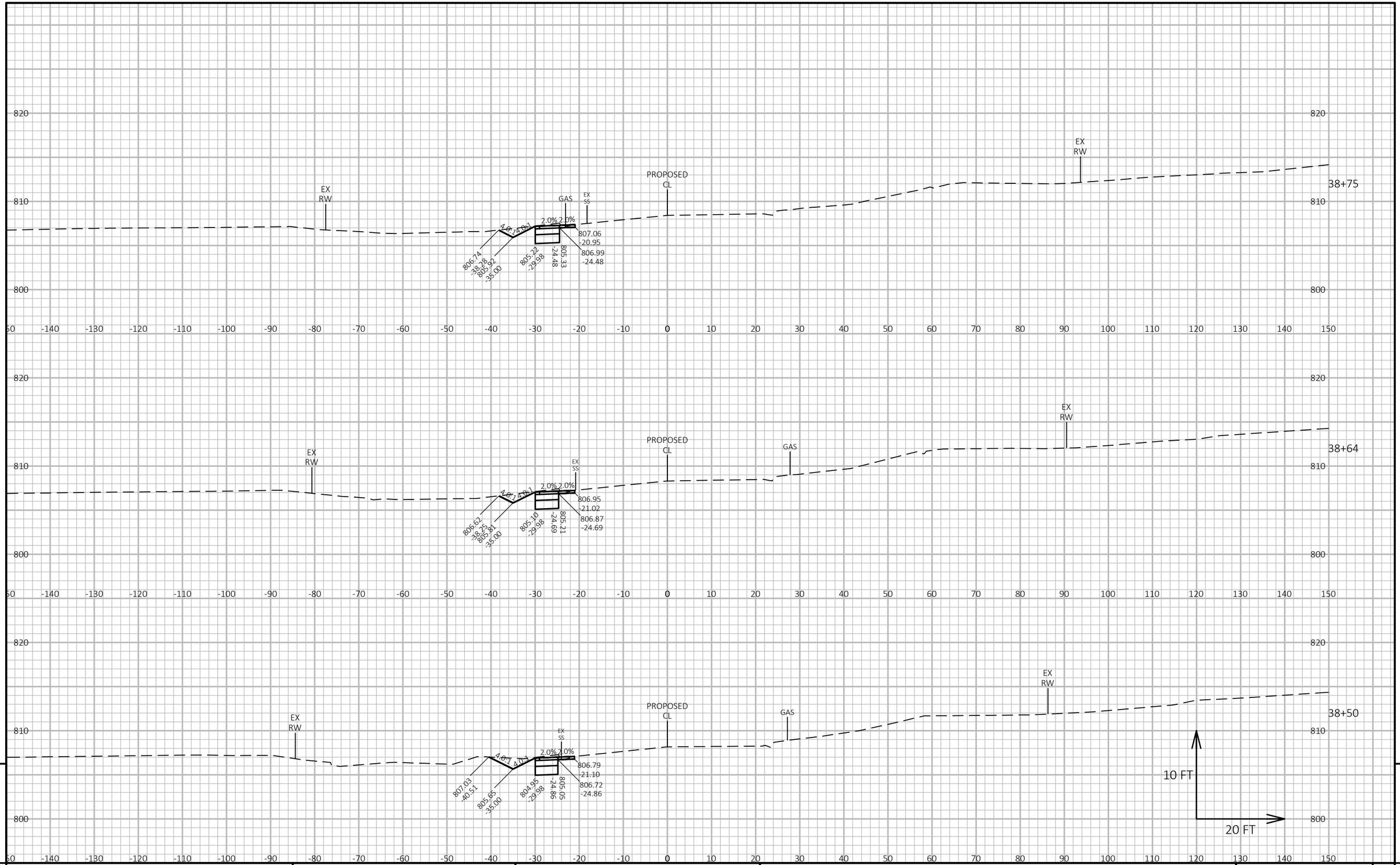
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 468	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 25

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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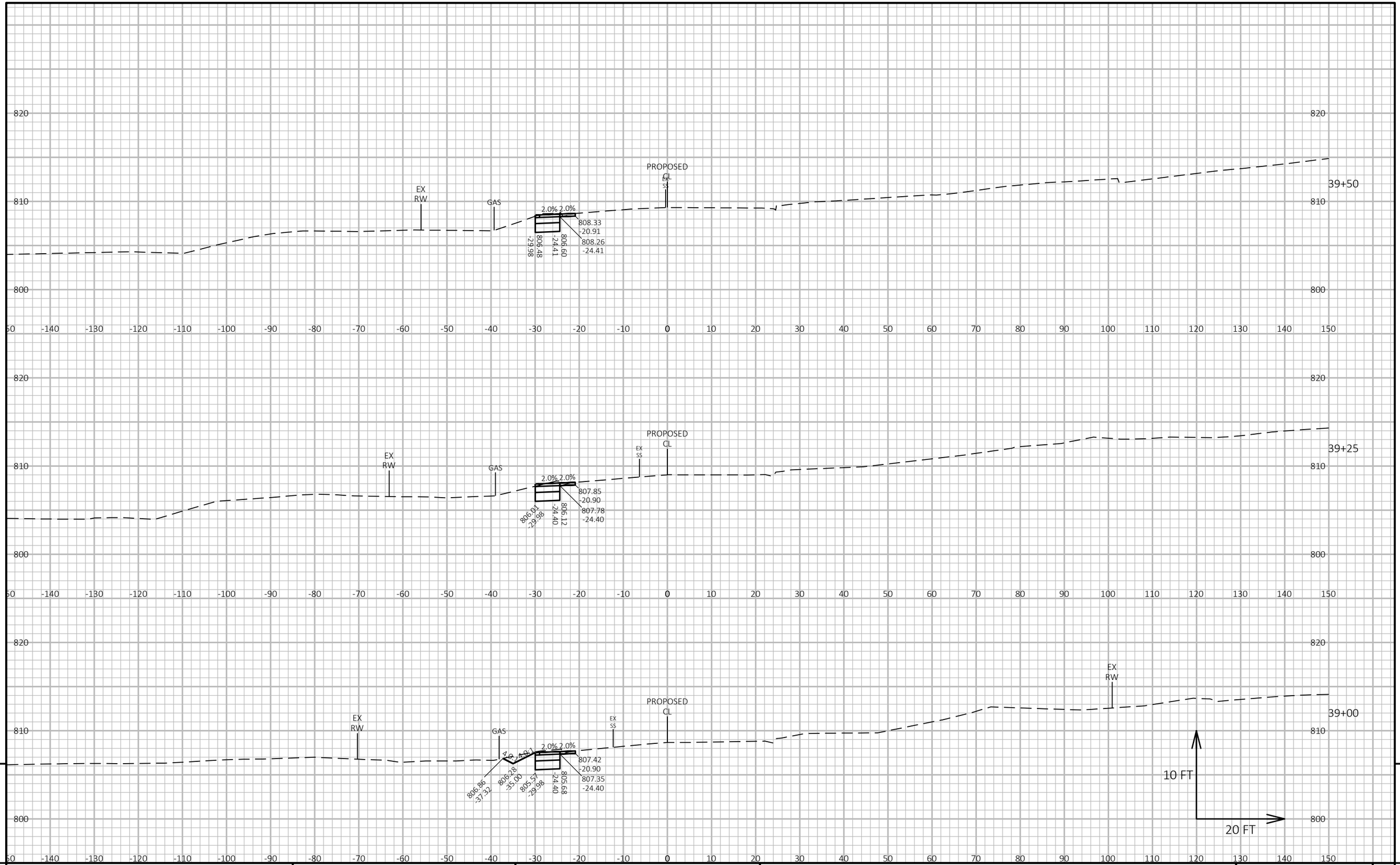
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 469	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 26

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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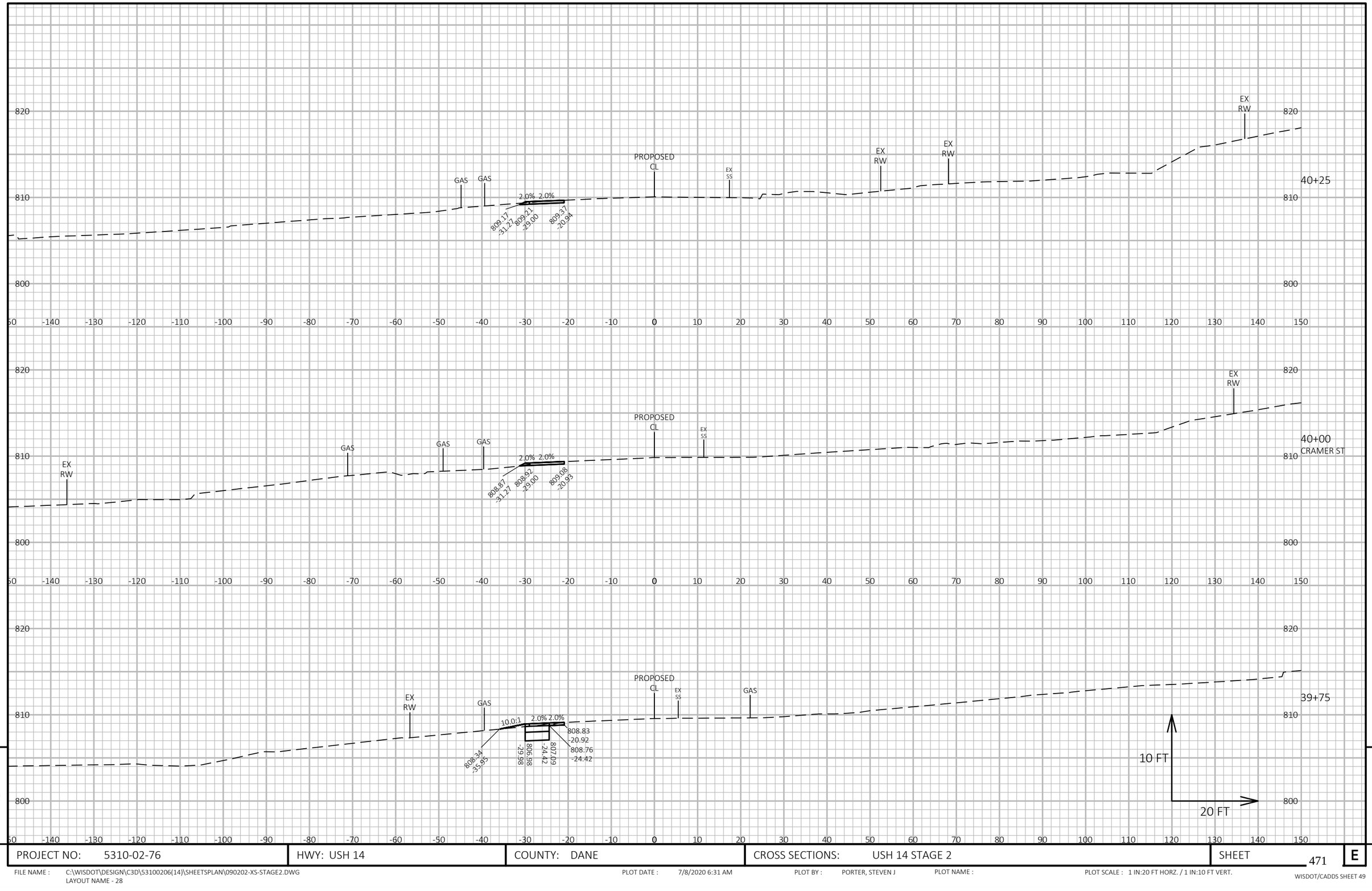
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 470	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 27

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 471	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 28

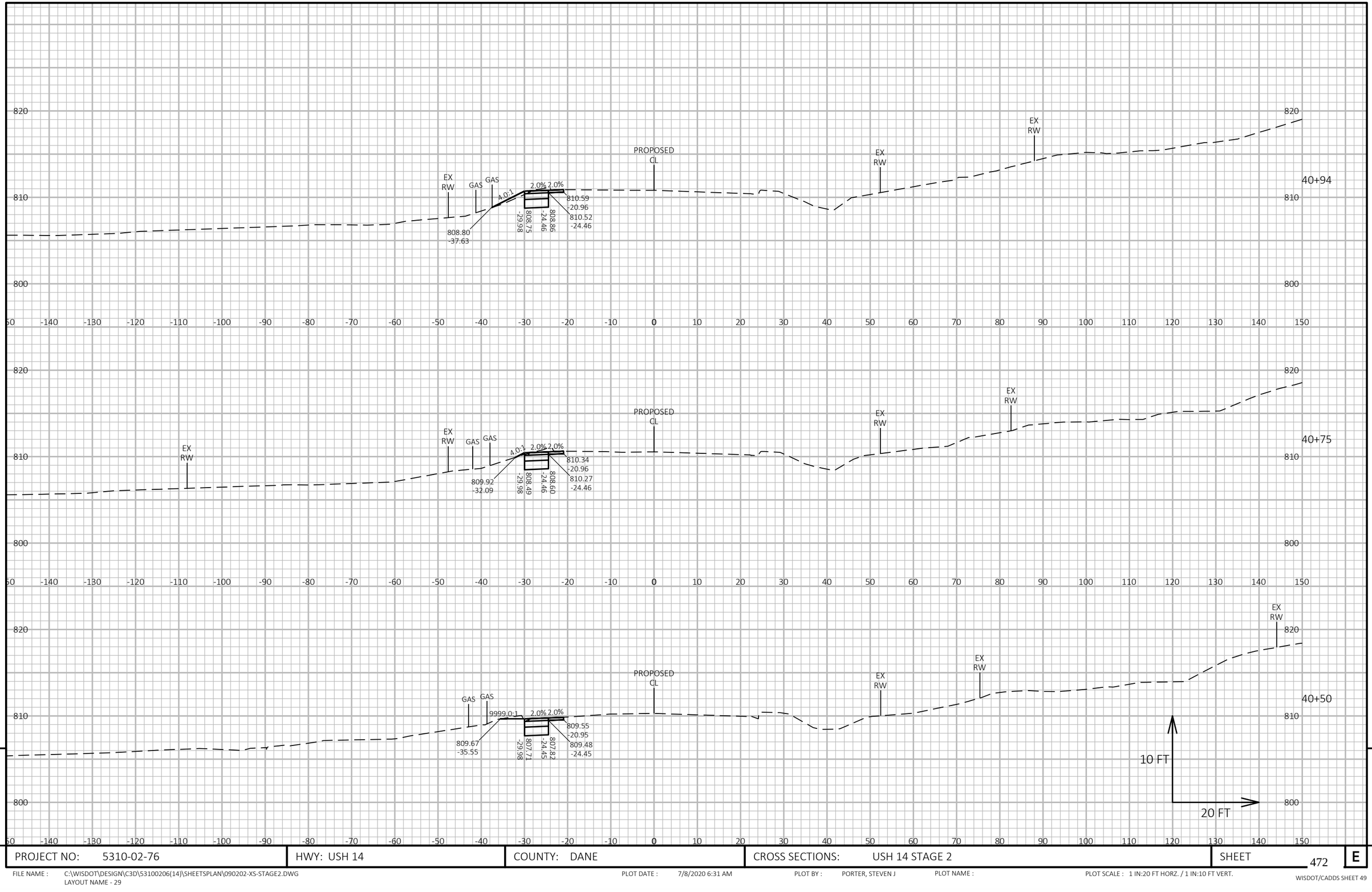
PLOT DATE : 7/8/2020 6:31 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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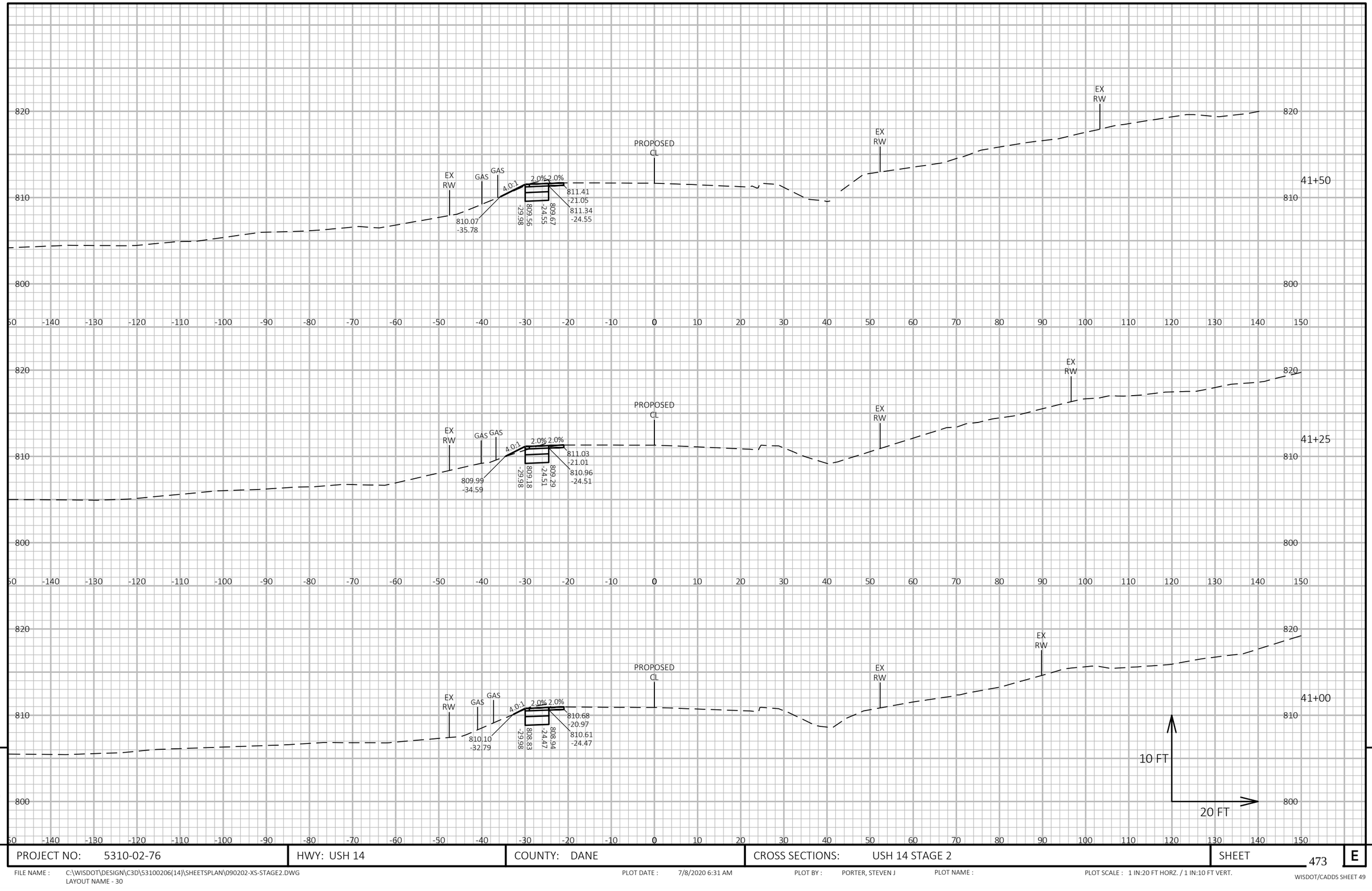
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 472	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 29

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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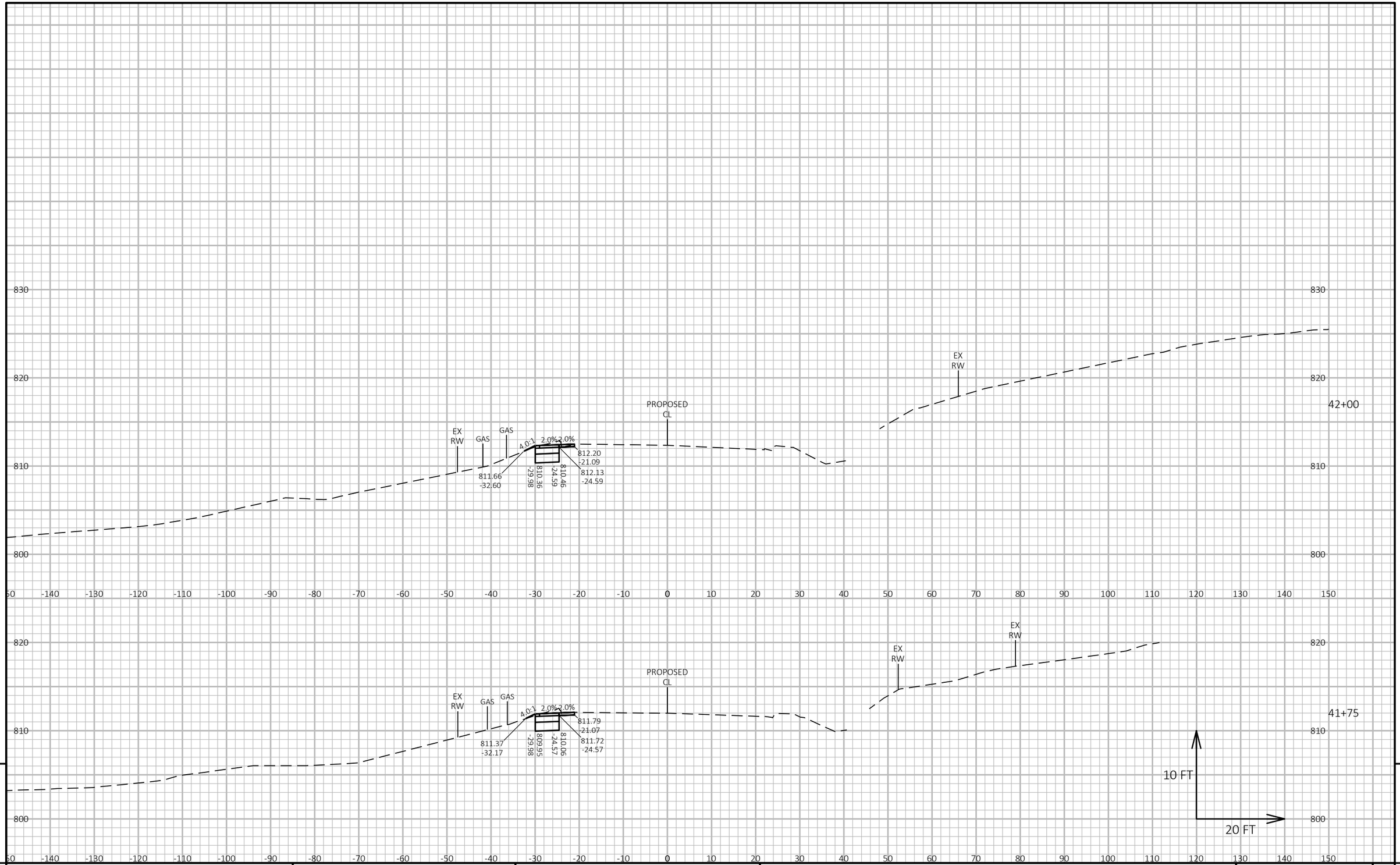
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 473	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 30

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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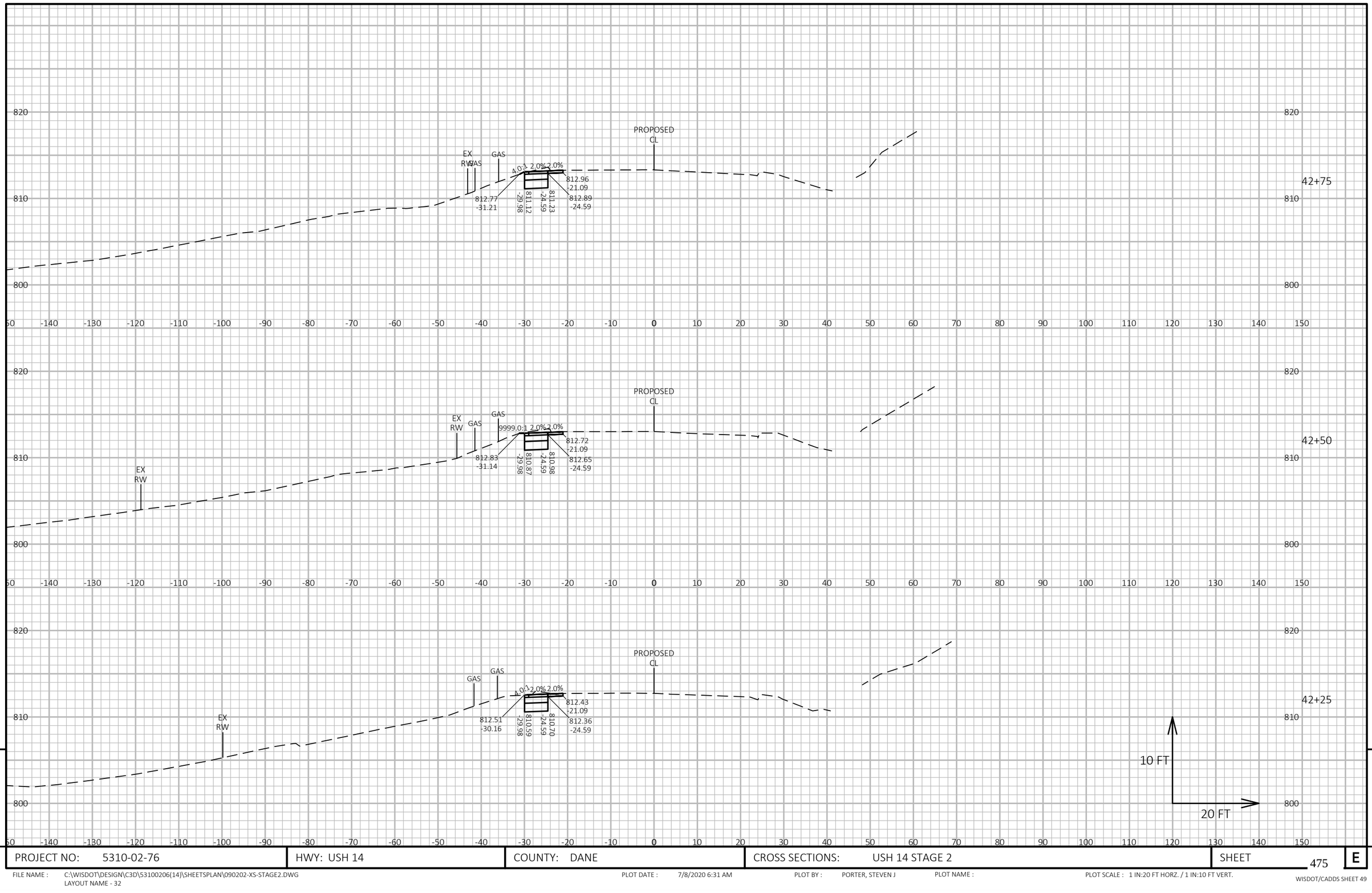
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 474	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 31

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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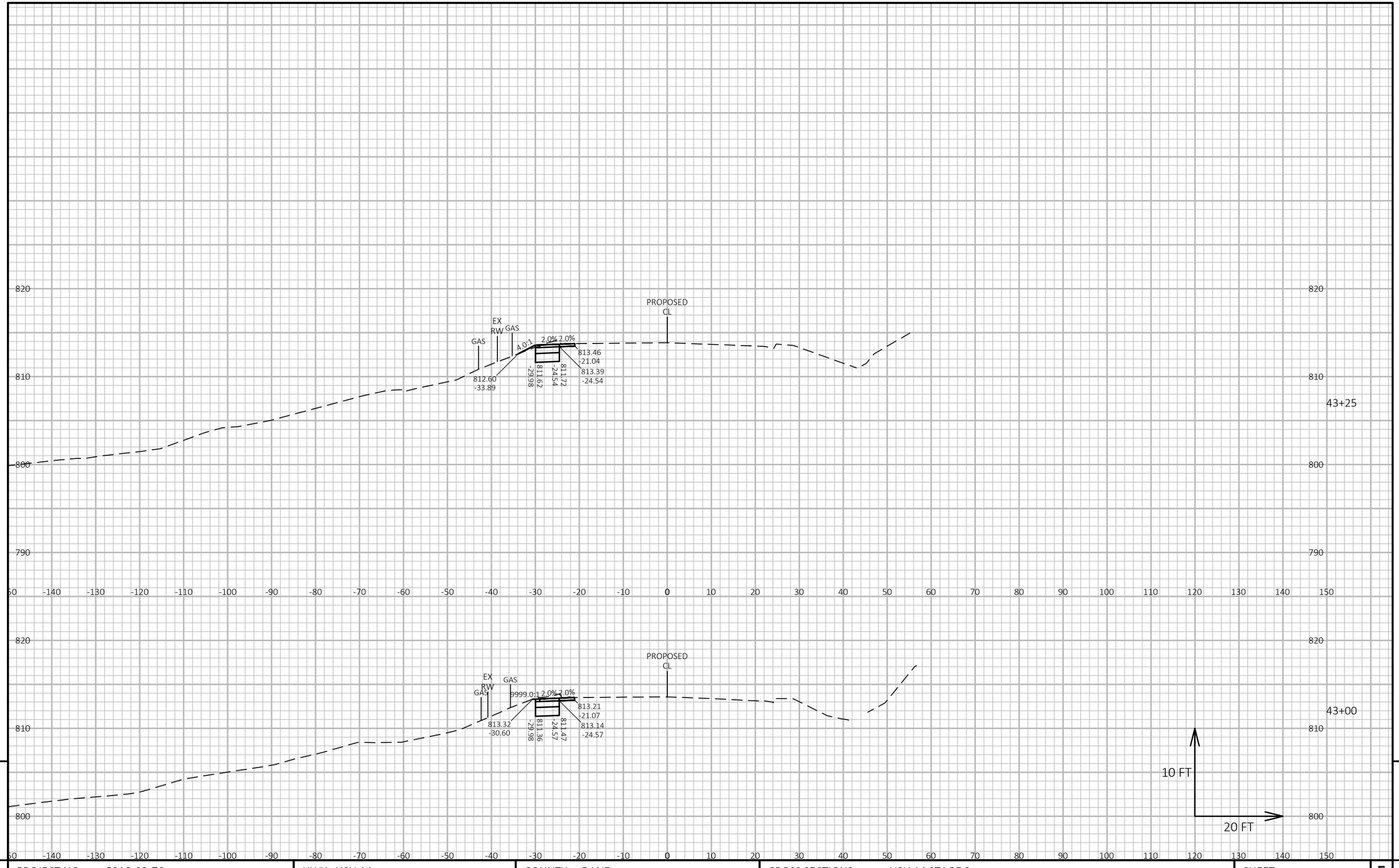
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 475	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 32

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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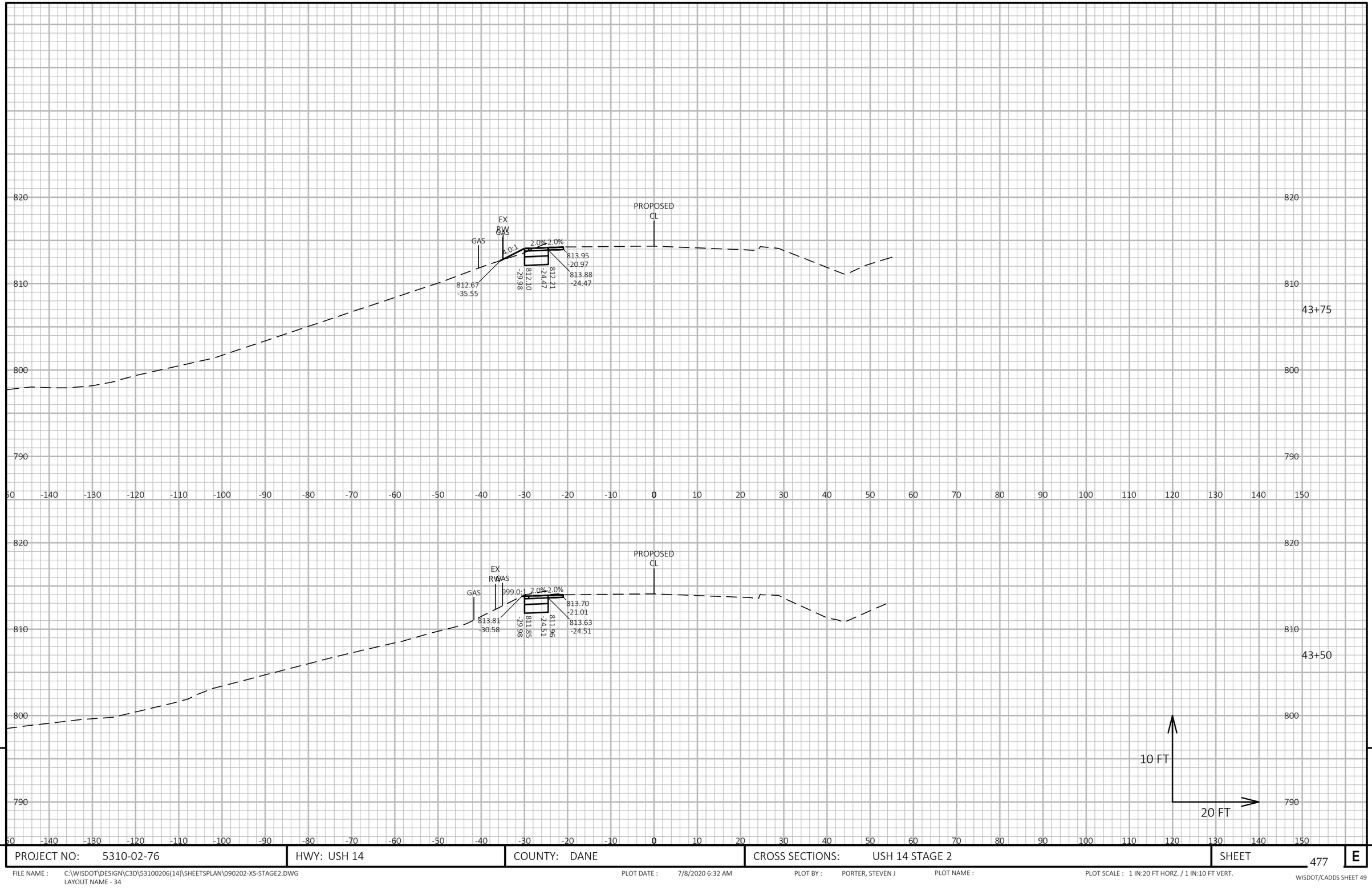
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 476	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 33

PLOT DATE : 7/8/2020 6:31 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 477 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 34

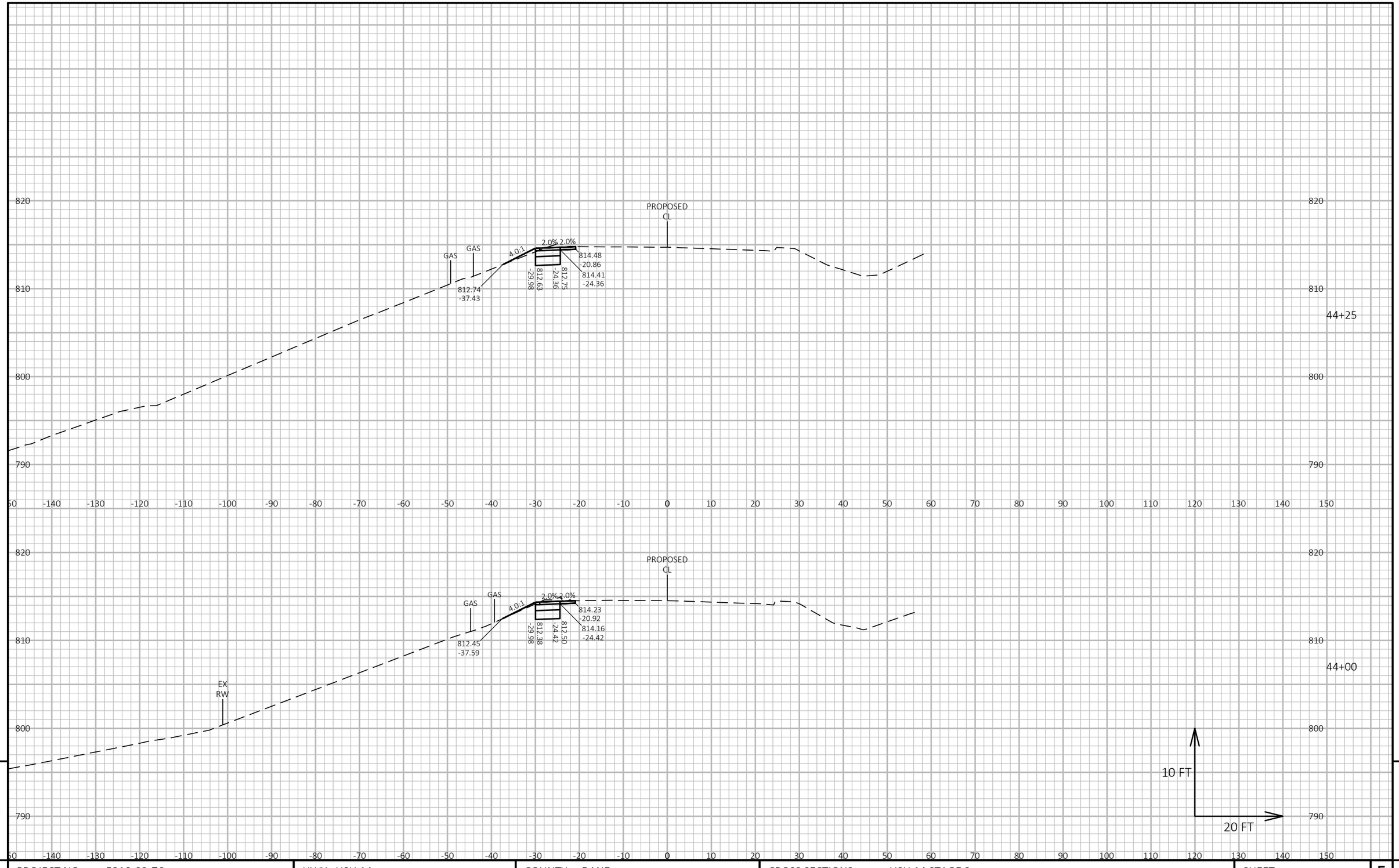
PLOT DATE : 7/8/2020 6:32 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 478	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 35

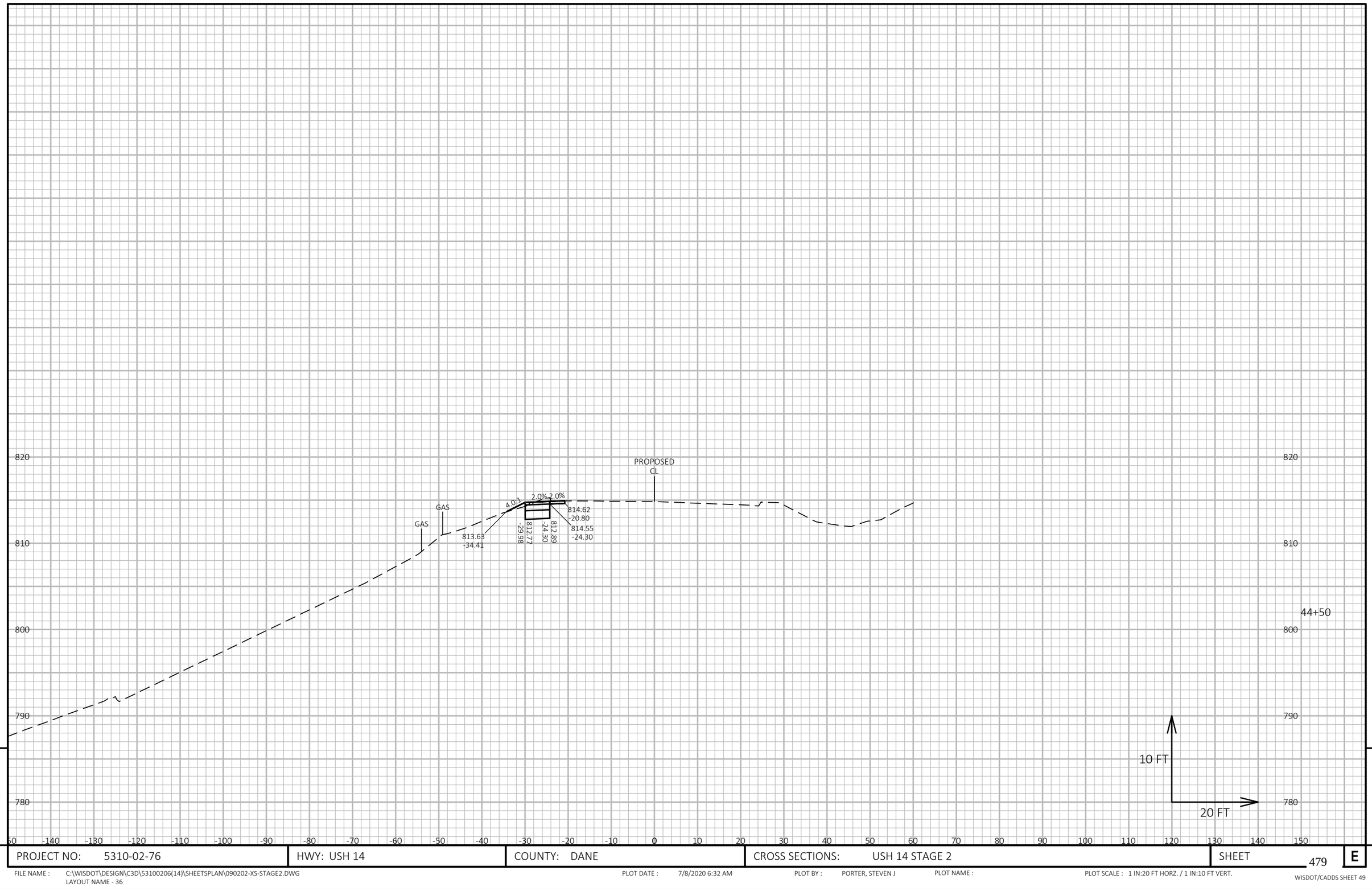
PLOT DATE : 7/8/2020 6:32 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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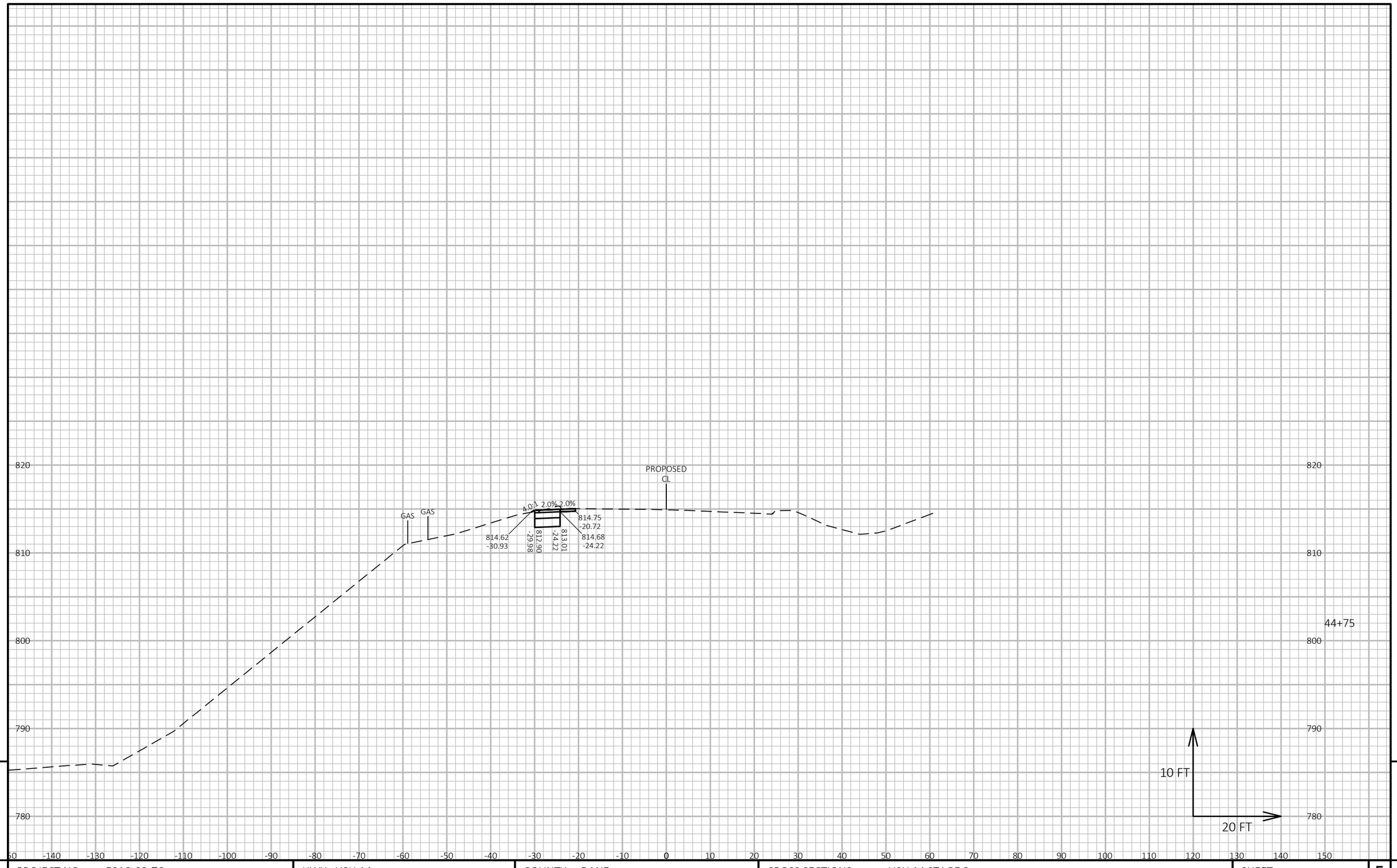
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 479	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 36

PLOT DATE : 7/8/2020 6:32 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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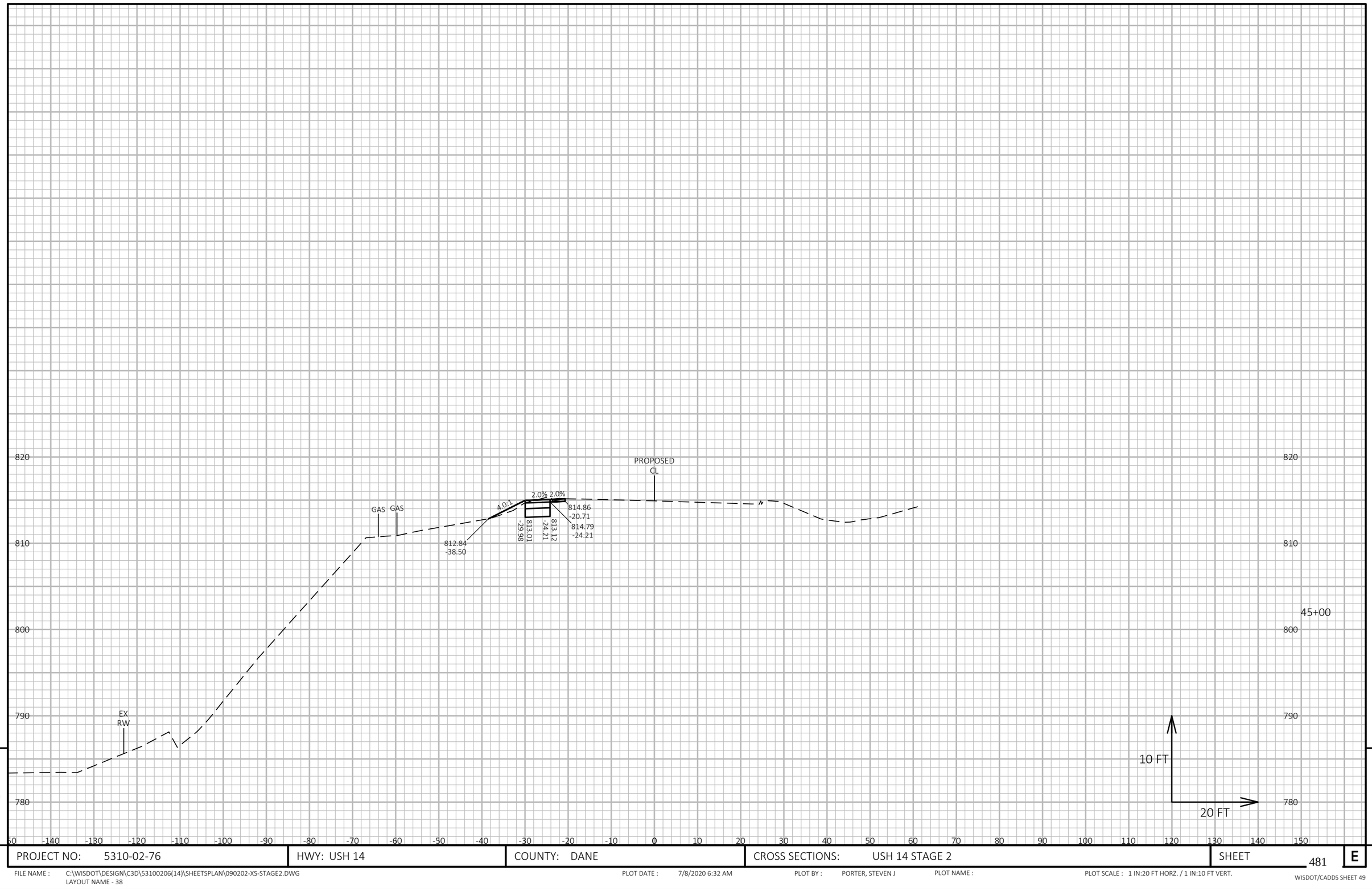
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 480	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 37

PLOT DATE : 7/8/2020 6:32 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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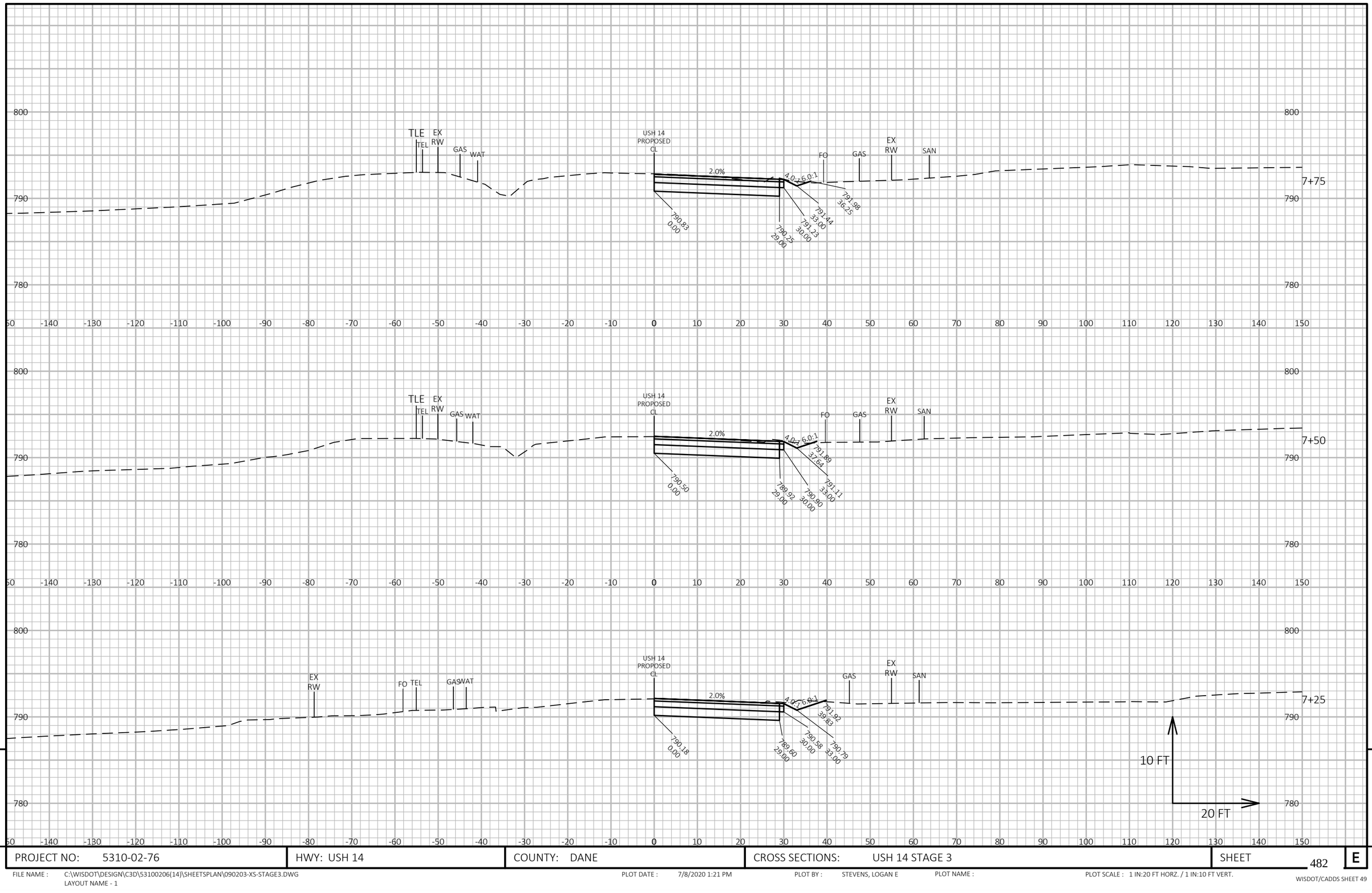
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 2	SHEET 481	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090202-XS-STAGE2.DWG
LAYOUT NAME - 38

PLOT DATE : 7/8/2020 6:32 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 482	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 1

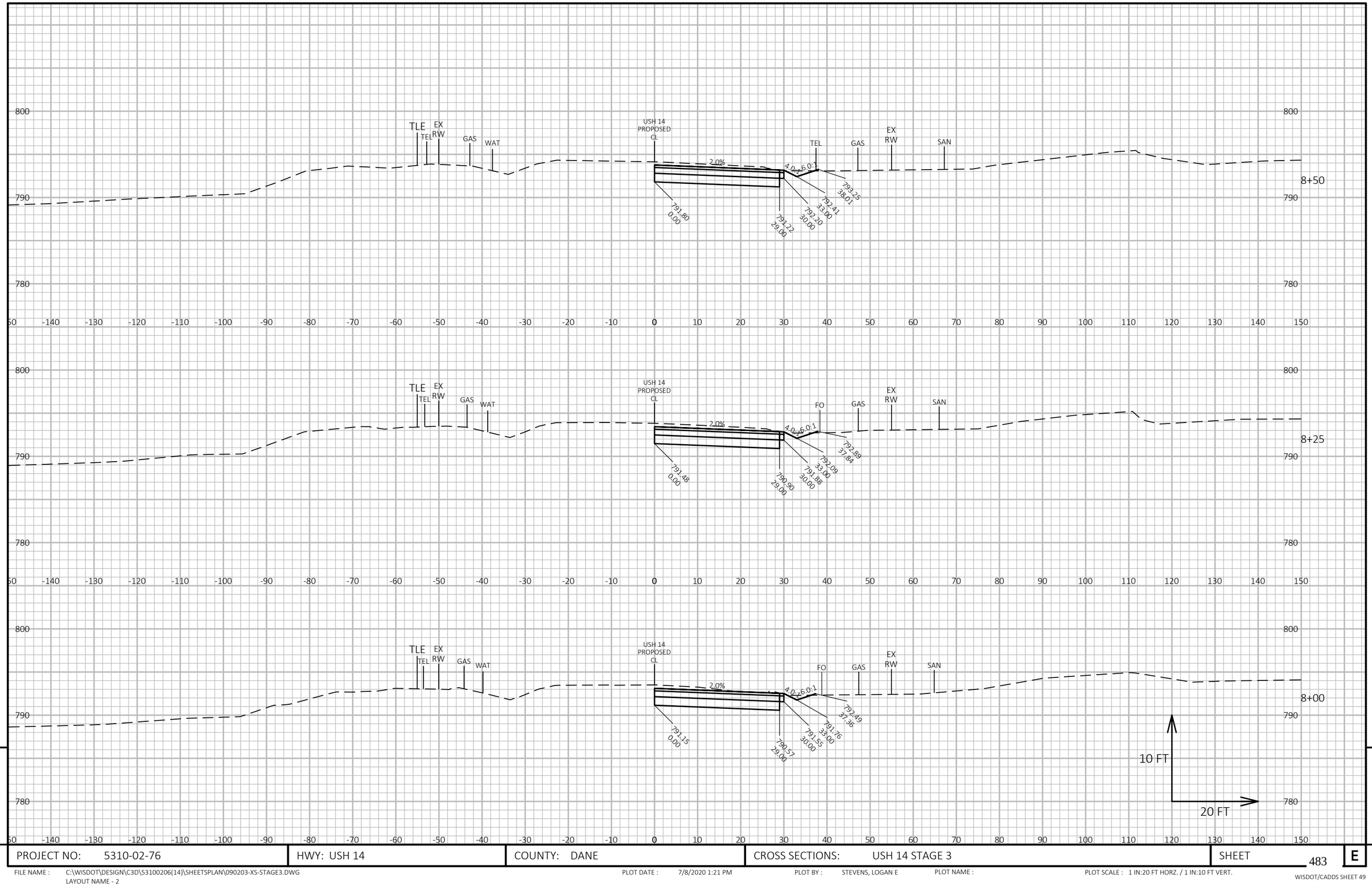
PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 483	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 2

PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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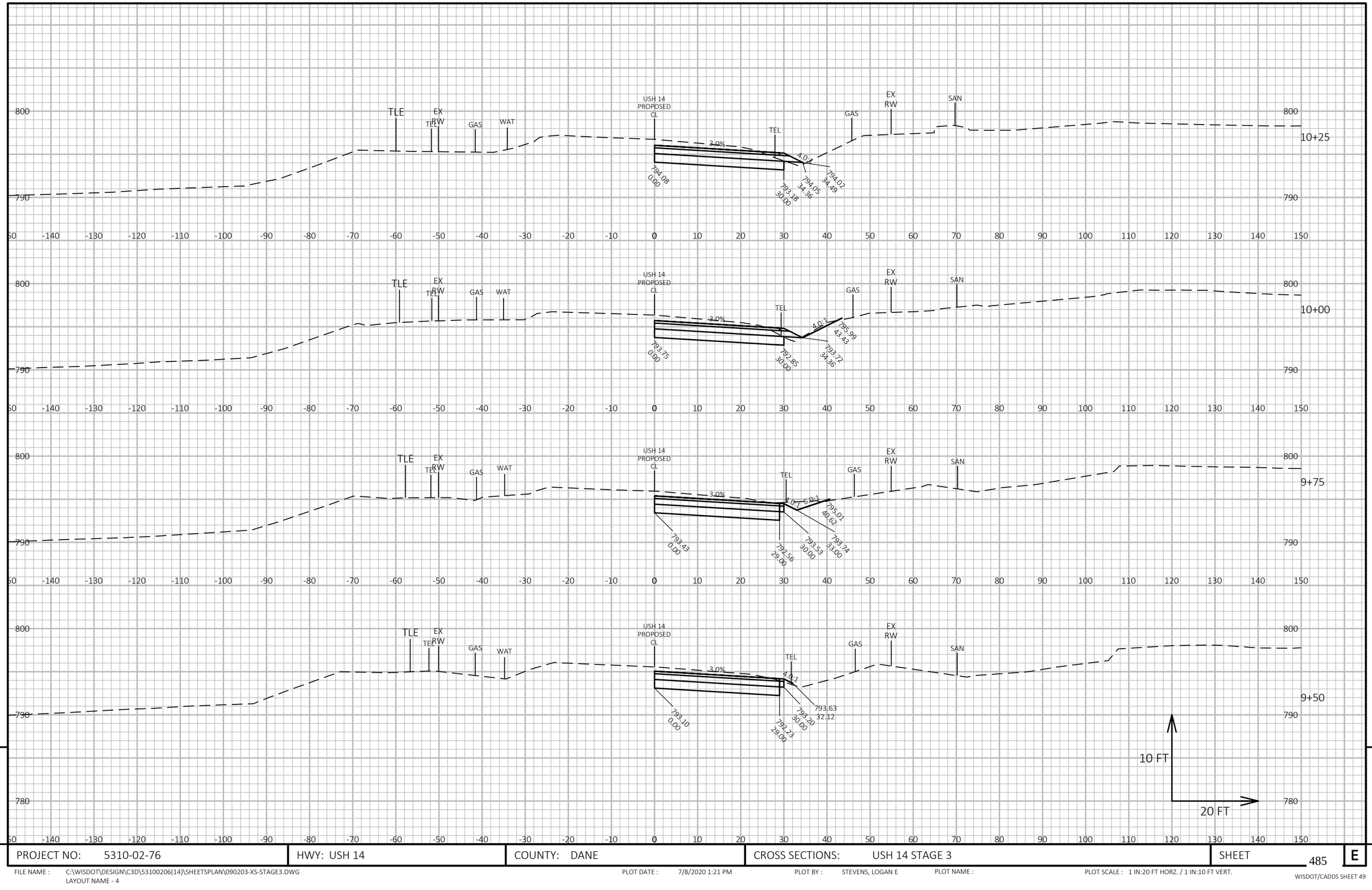
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 484	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 3

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 485	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 4

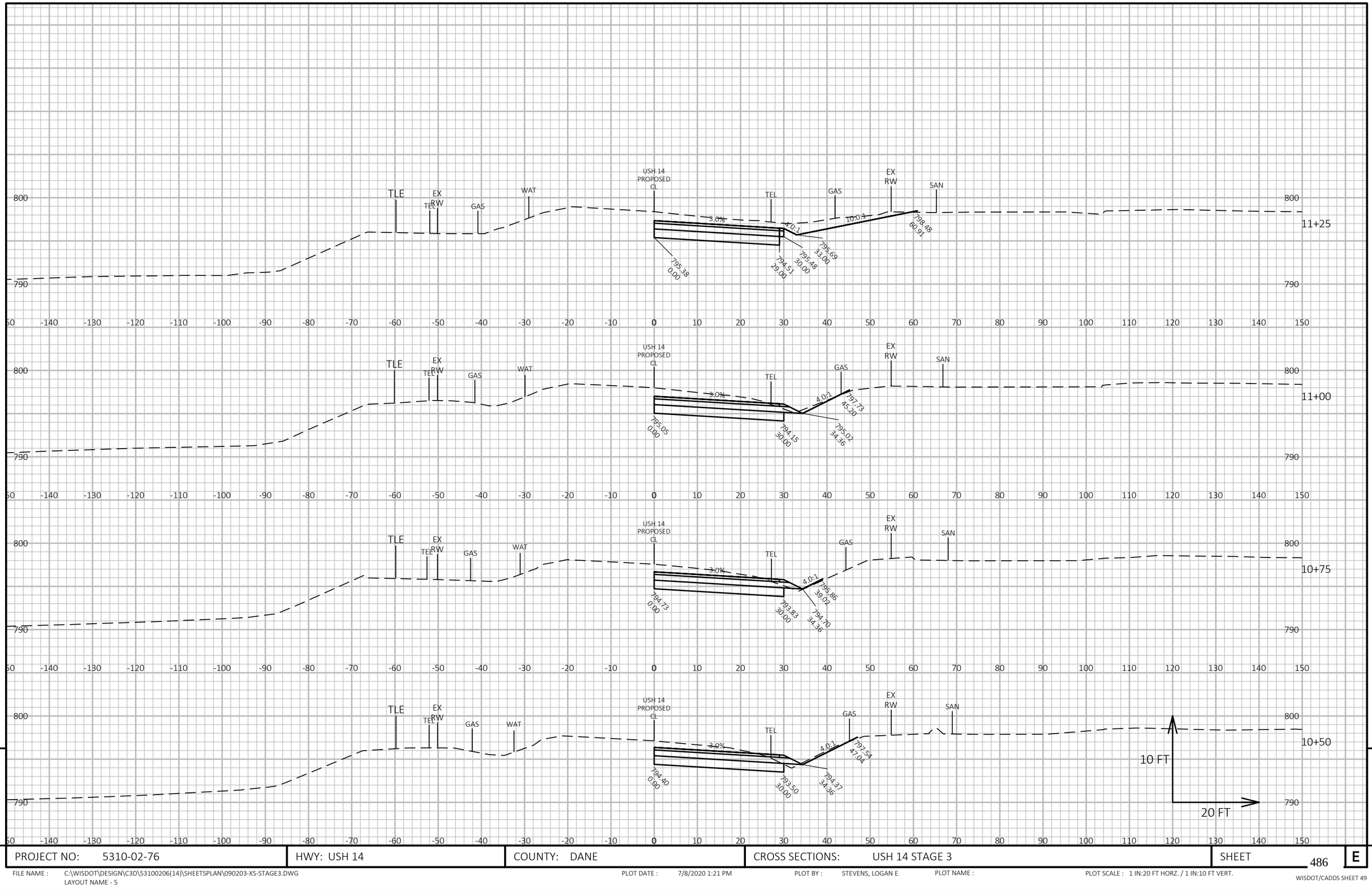
PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 486	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 5

PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 487	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 6

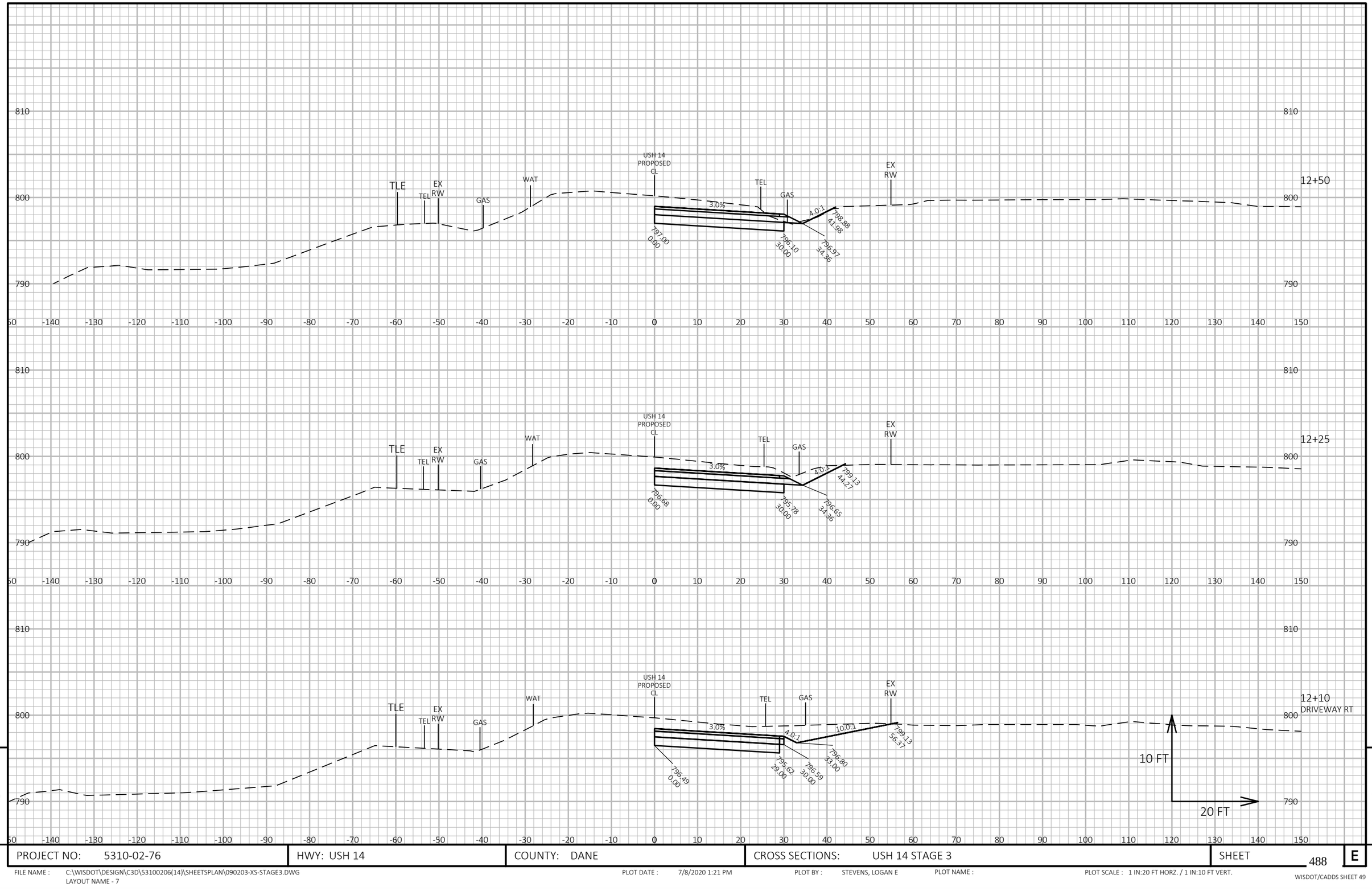
PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 488	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 7

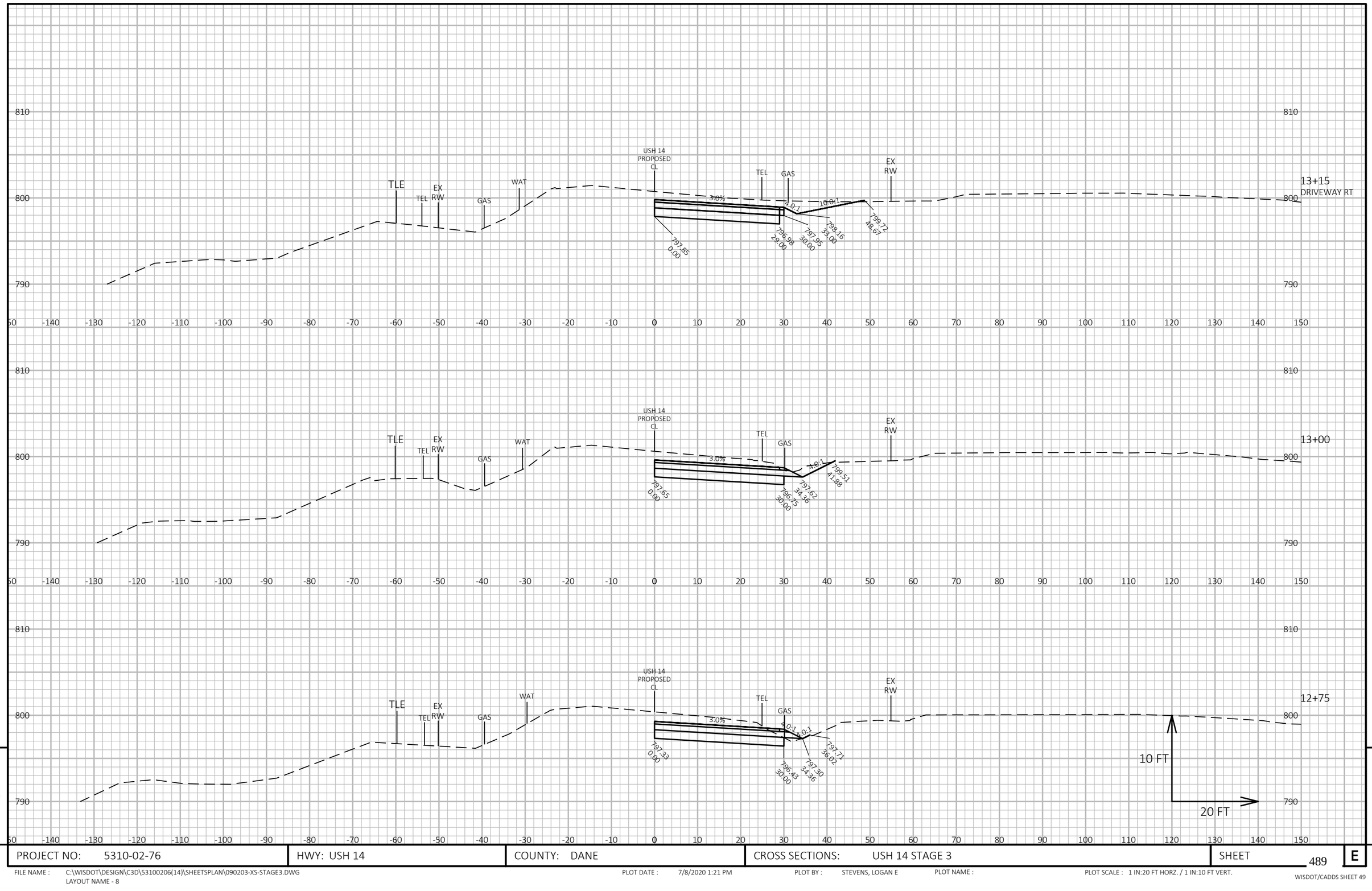
PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



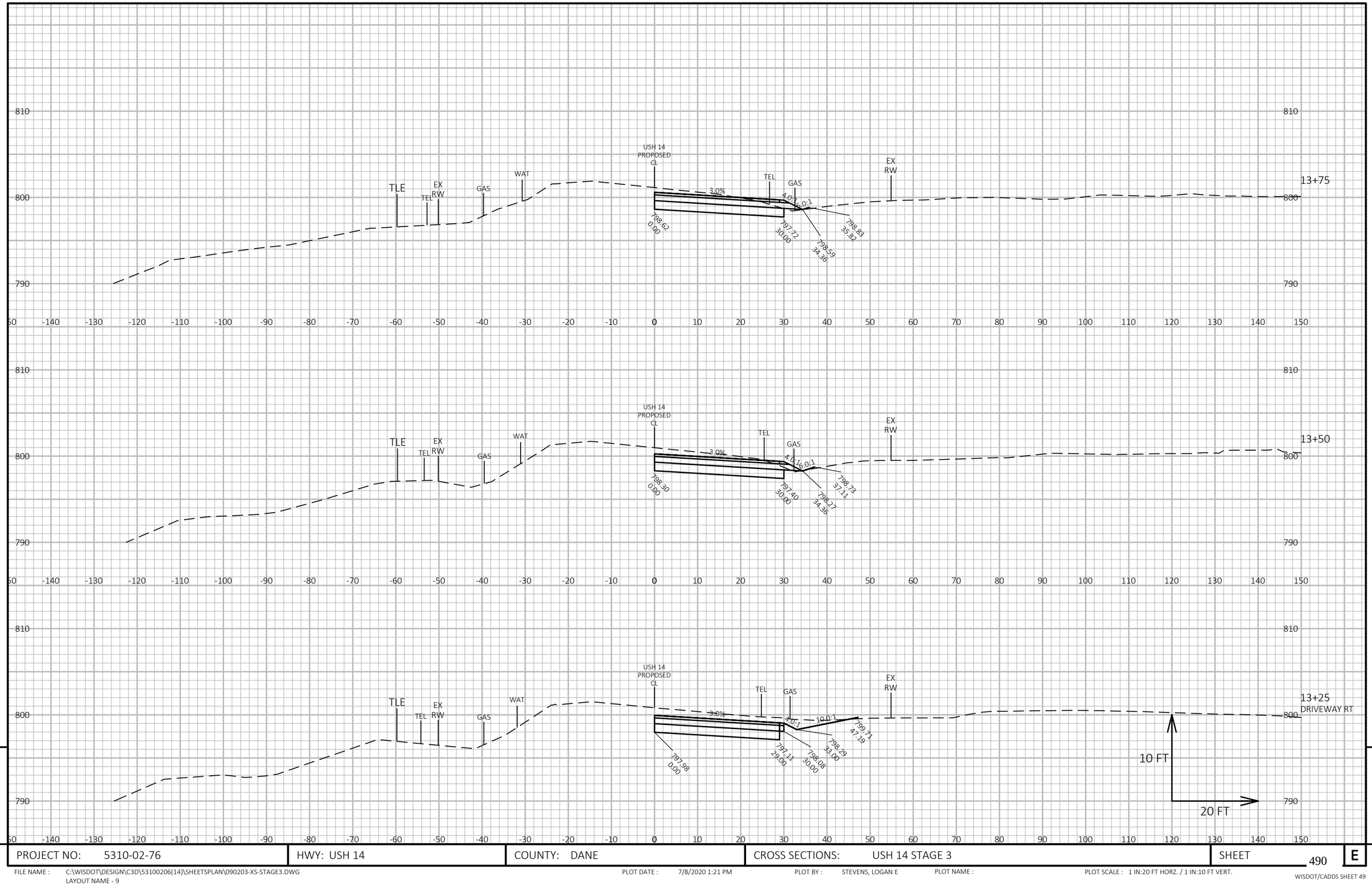
9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 489	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 8

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 490	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 9

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 491	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 10

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 492	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 11

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 493	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 12

PLOT DATE : 7/8/2020 1:21 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 494	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 13

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 495	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 14

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 496	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 15

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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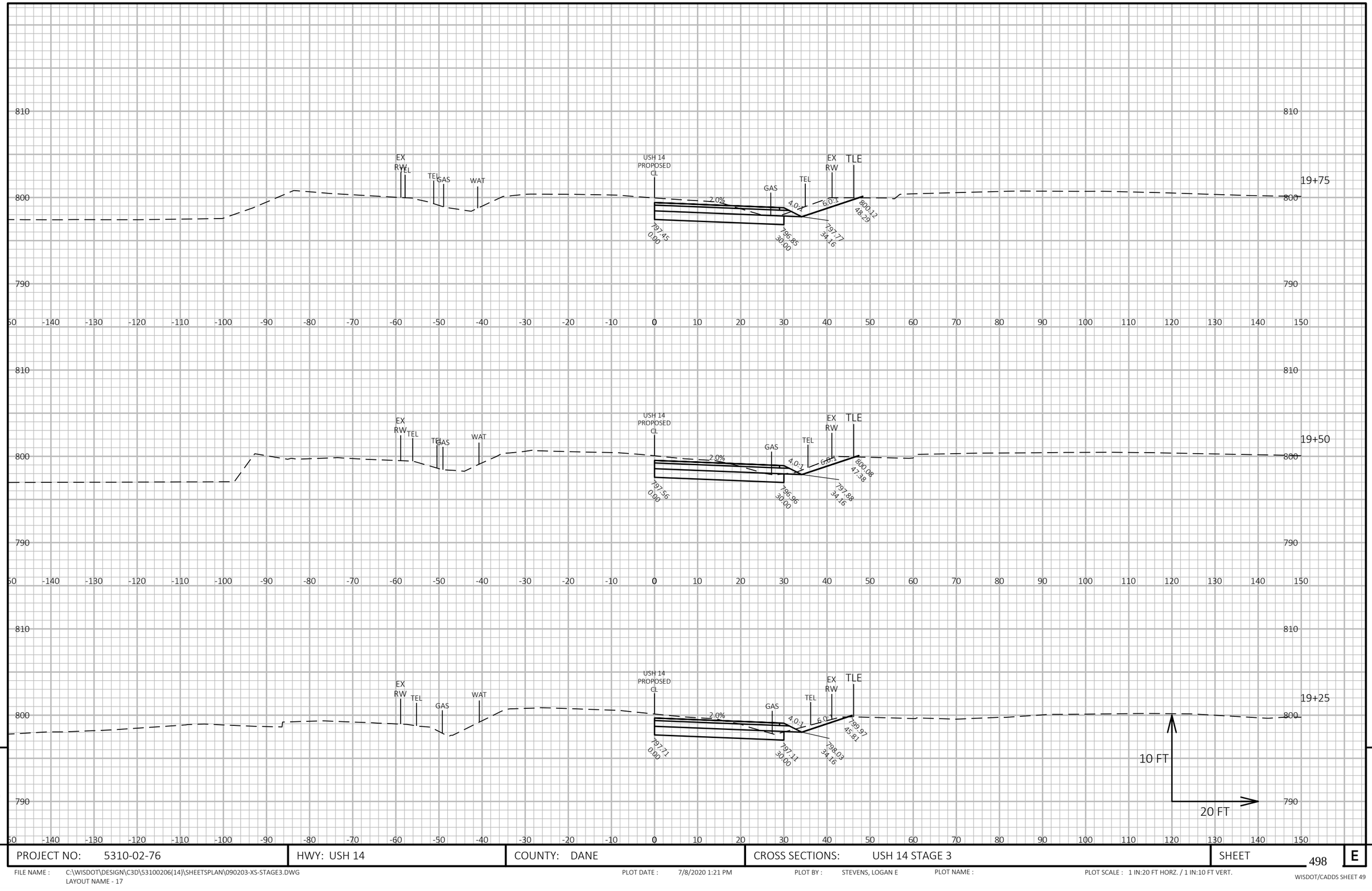
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 497	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 16

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 498	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 17

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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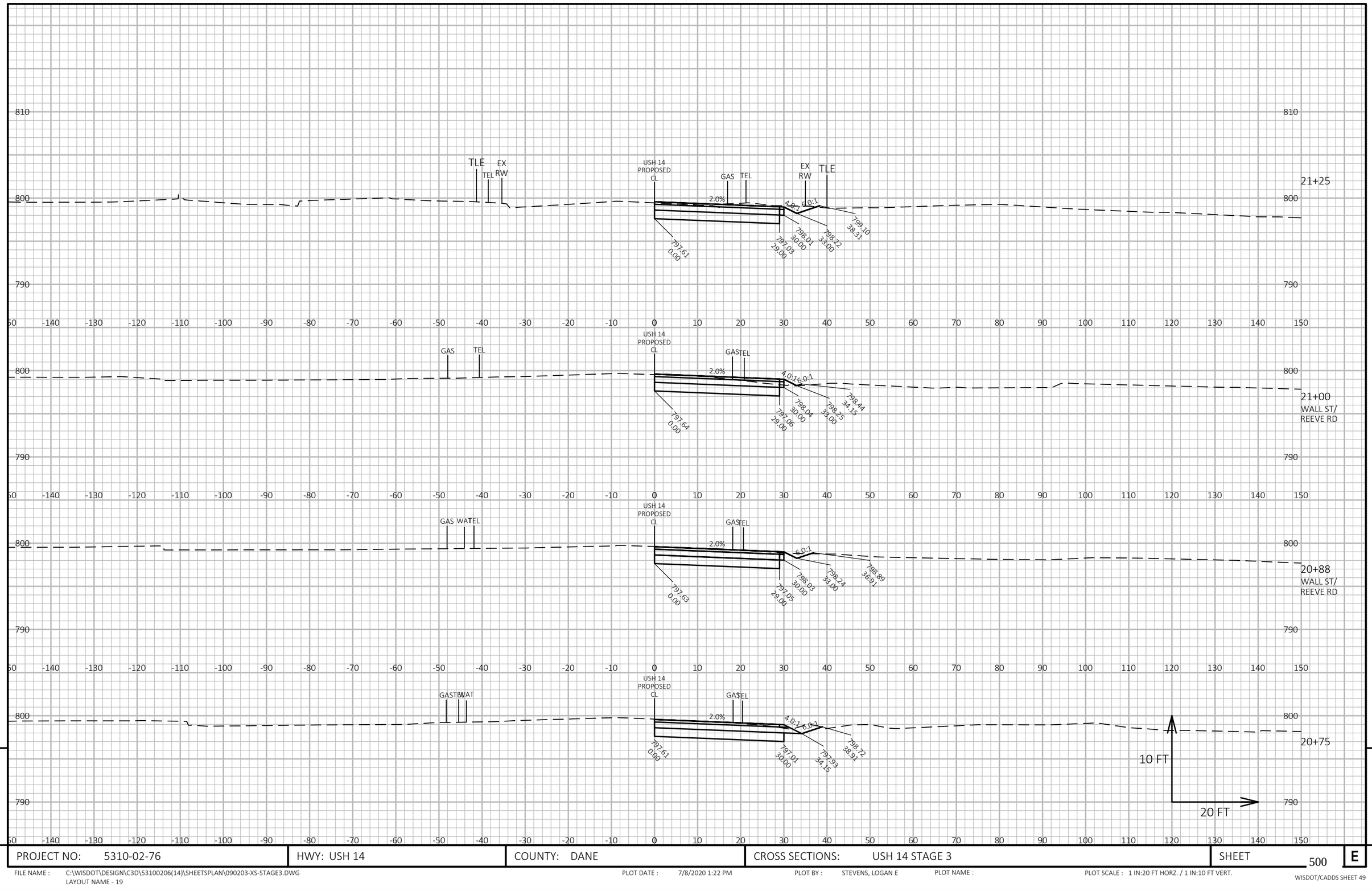
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 499	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 18

PLOT DATE : 7/8/2020 1:21 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 500	E

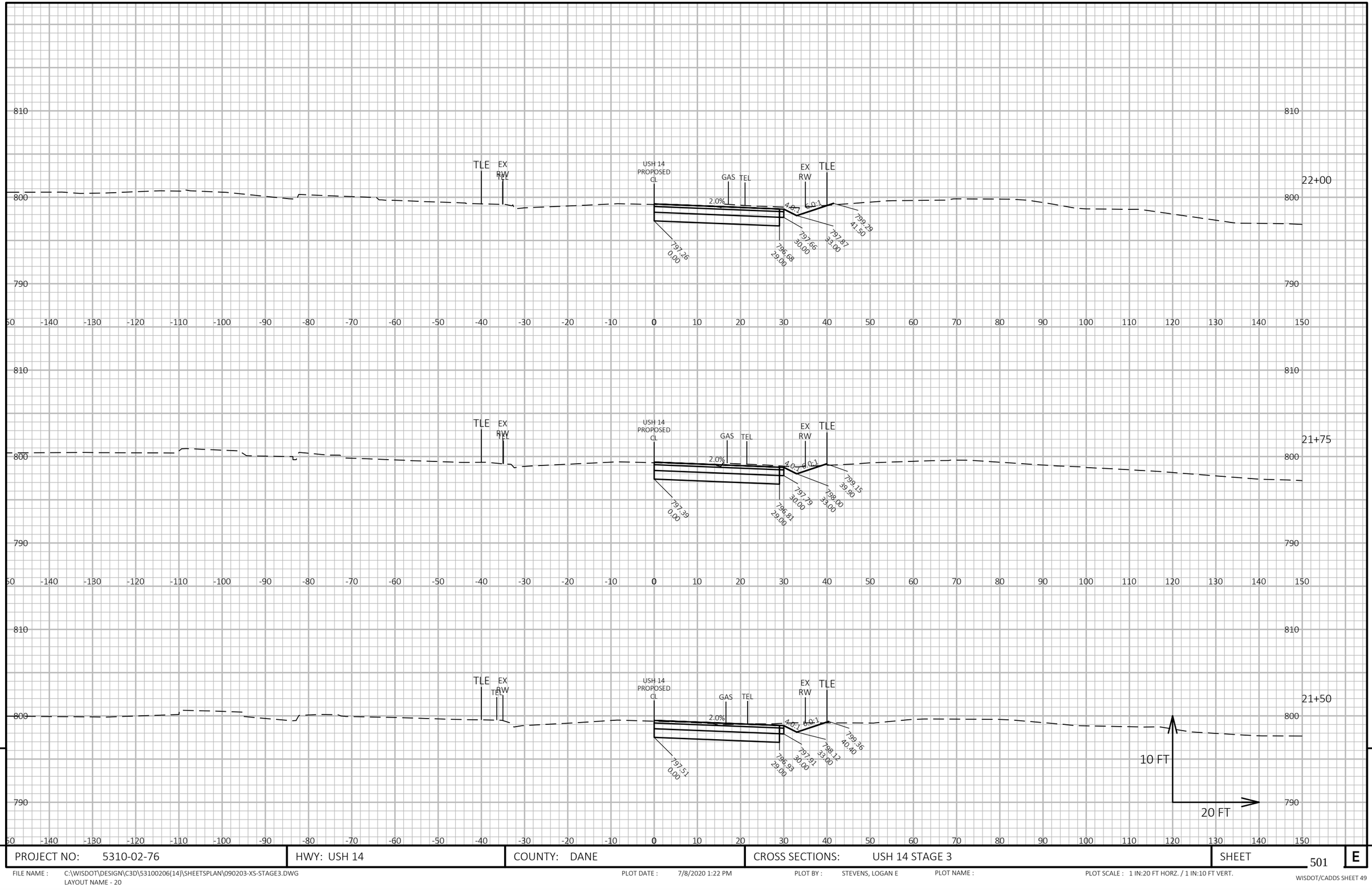
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 19

PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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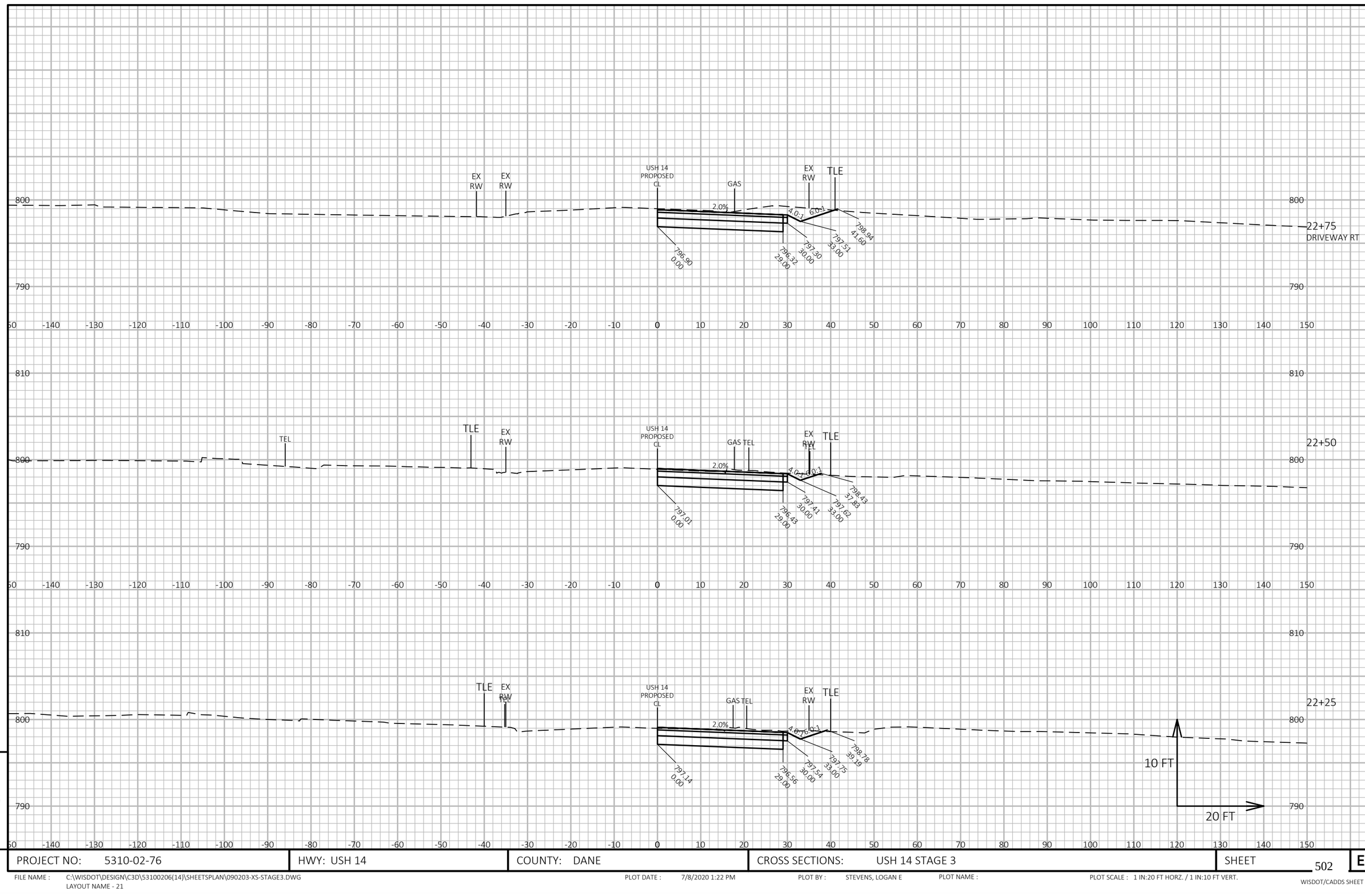
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 501	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 20

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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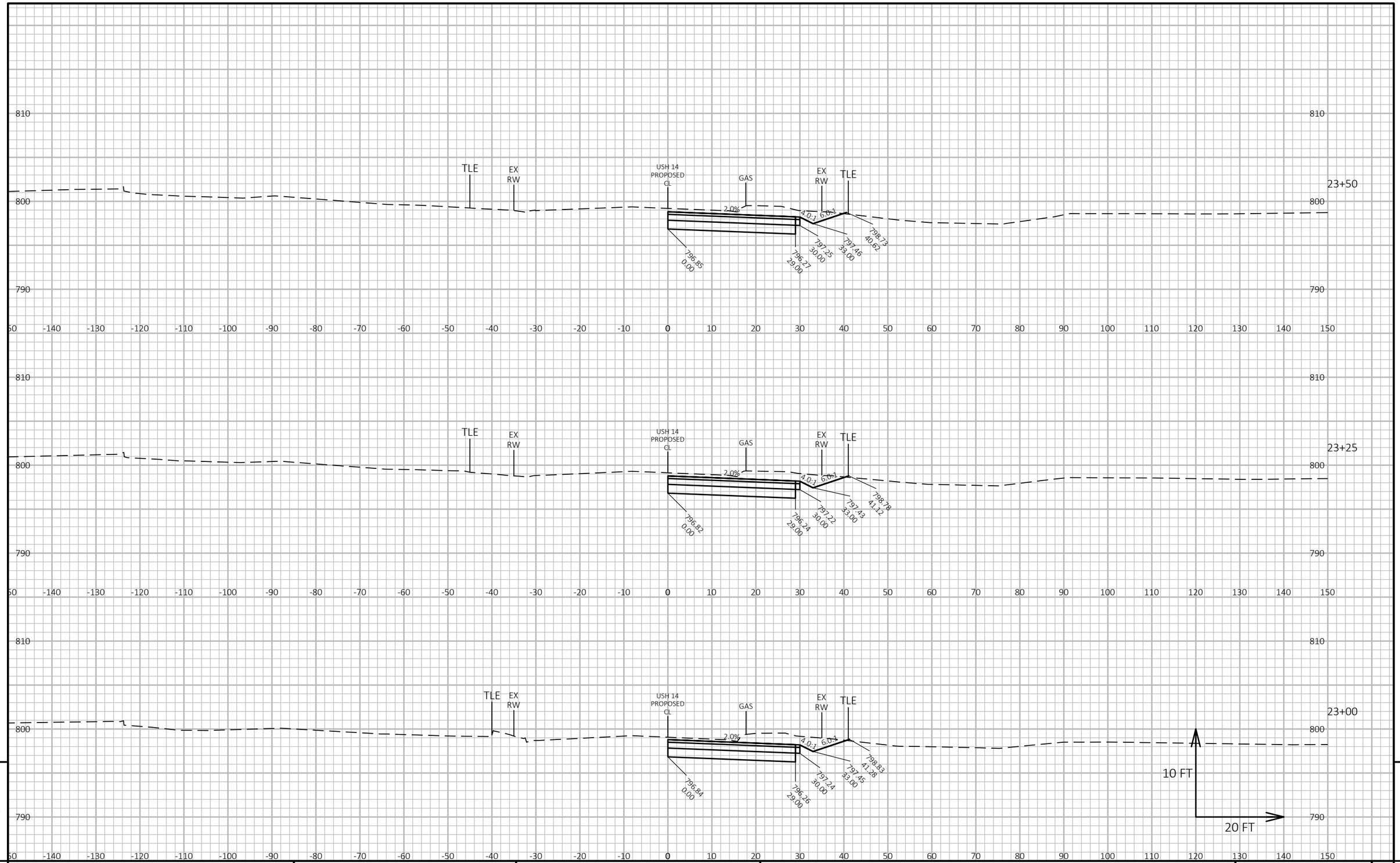
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 502	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 21

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 503	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 22

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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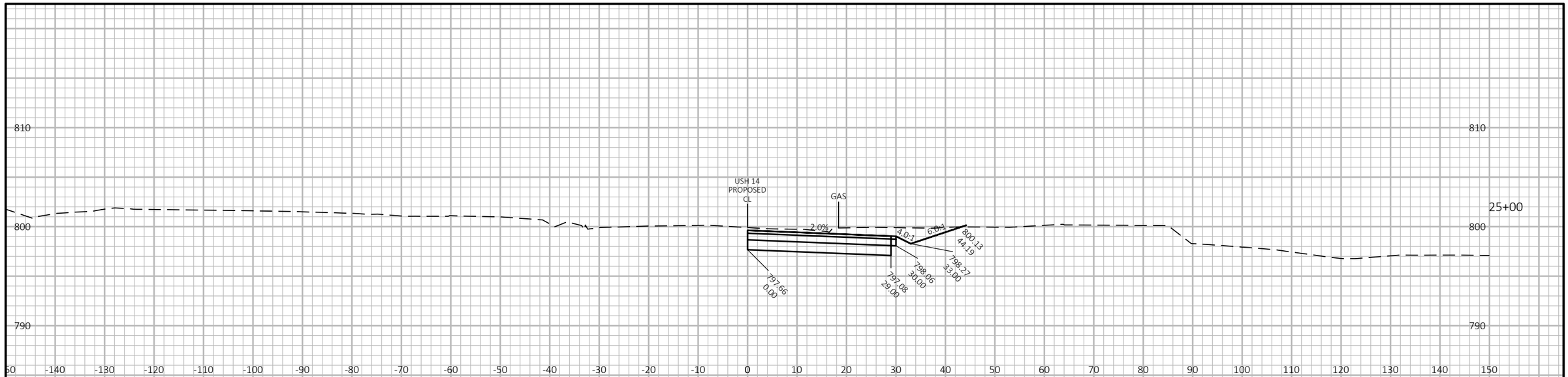
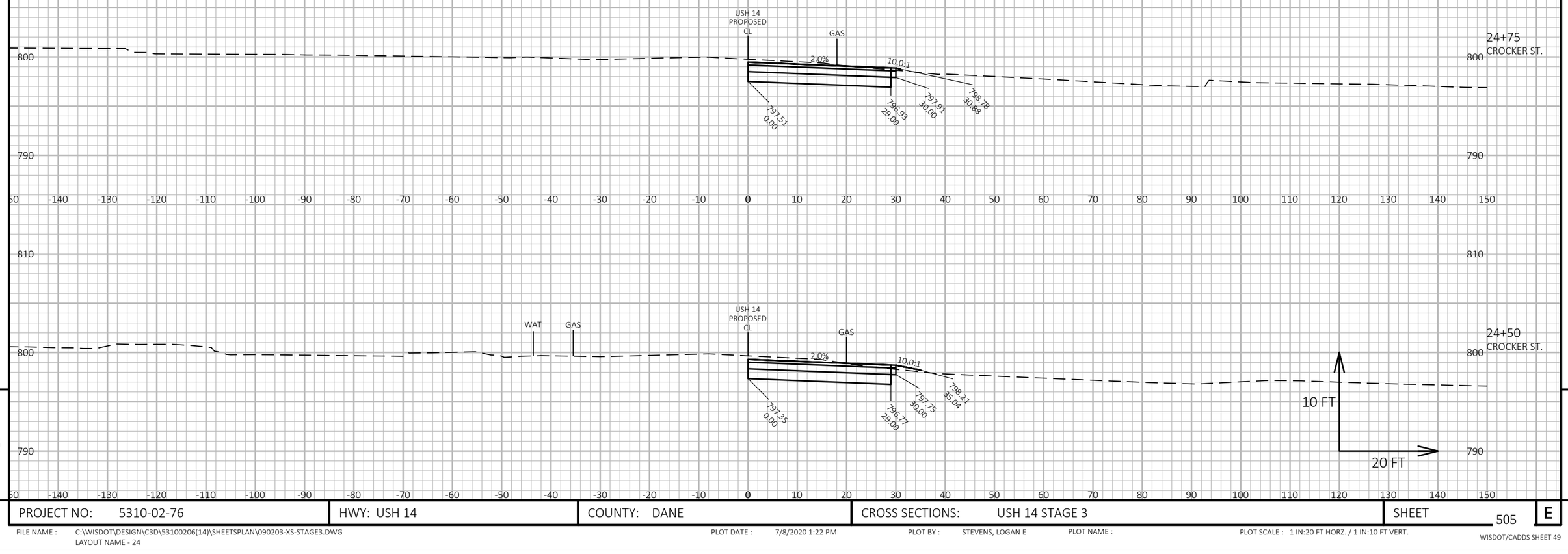
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 504	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 23

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 505	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 24

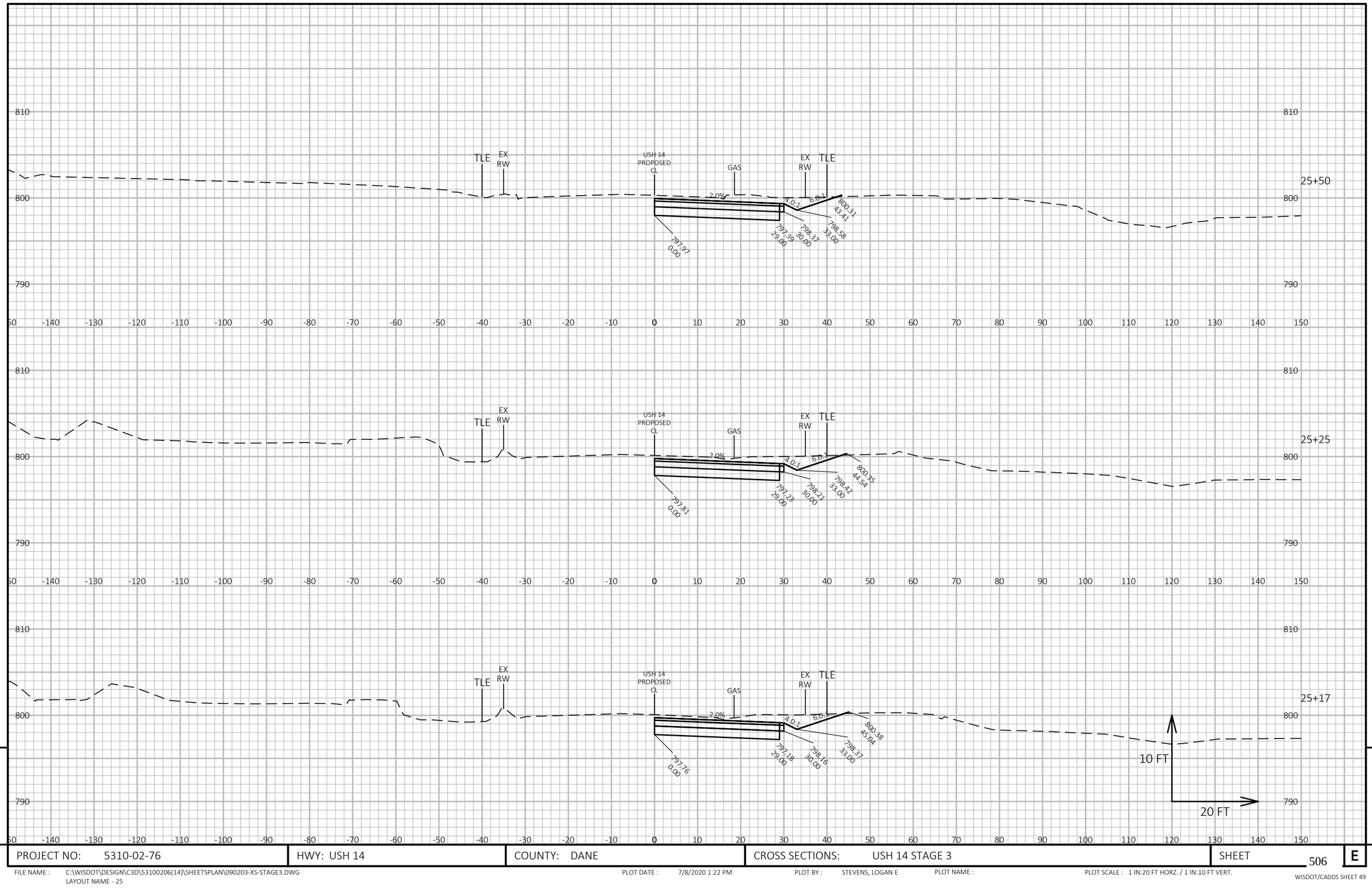
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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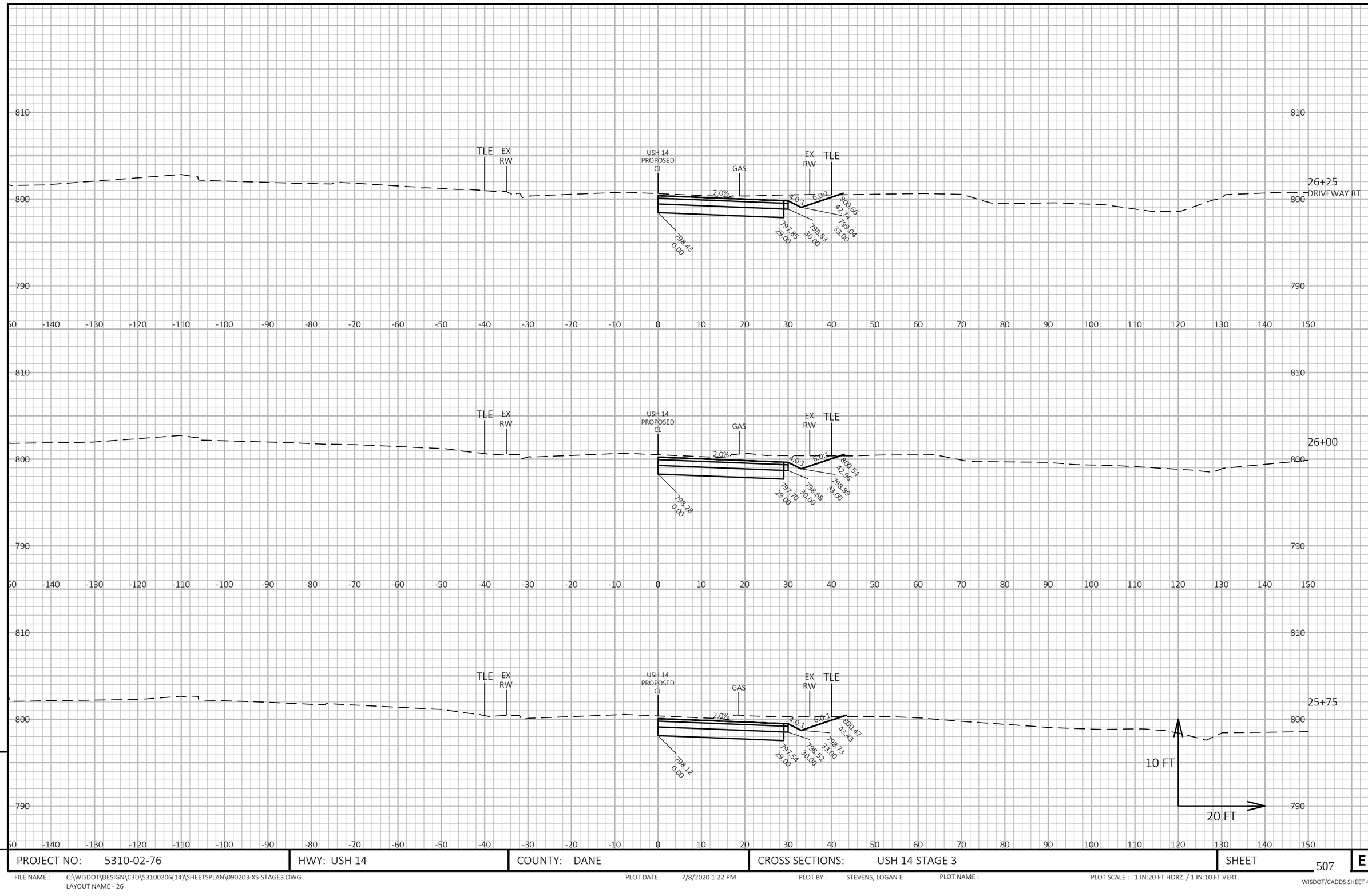
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 506	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 25

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 507	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 26

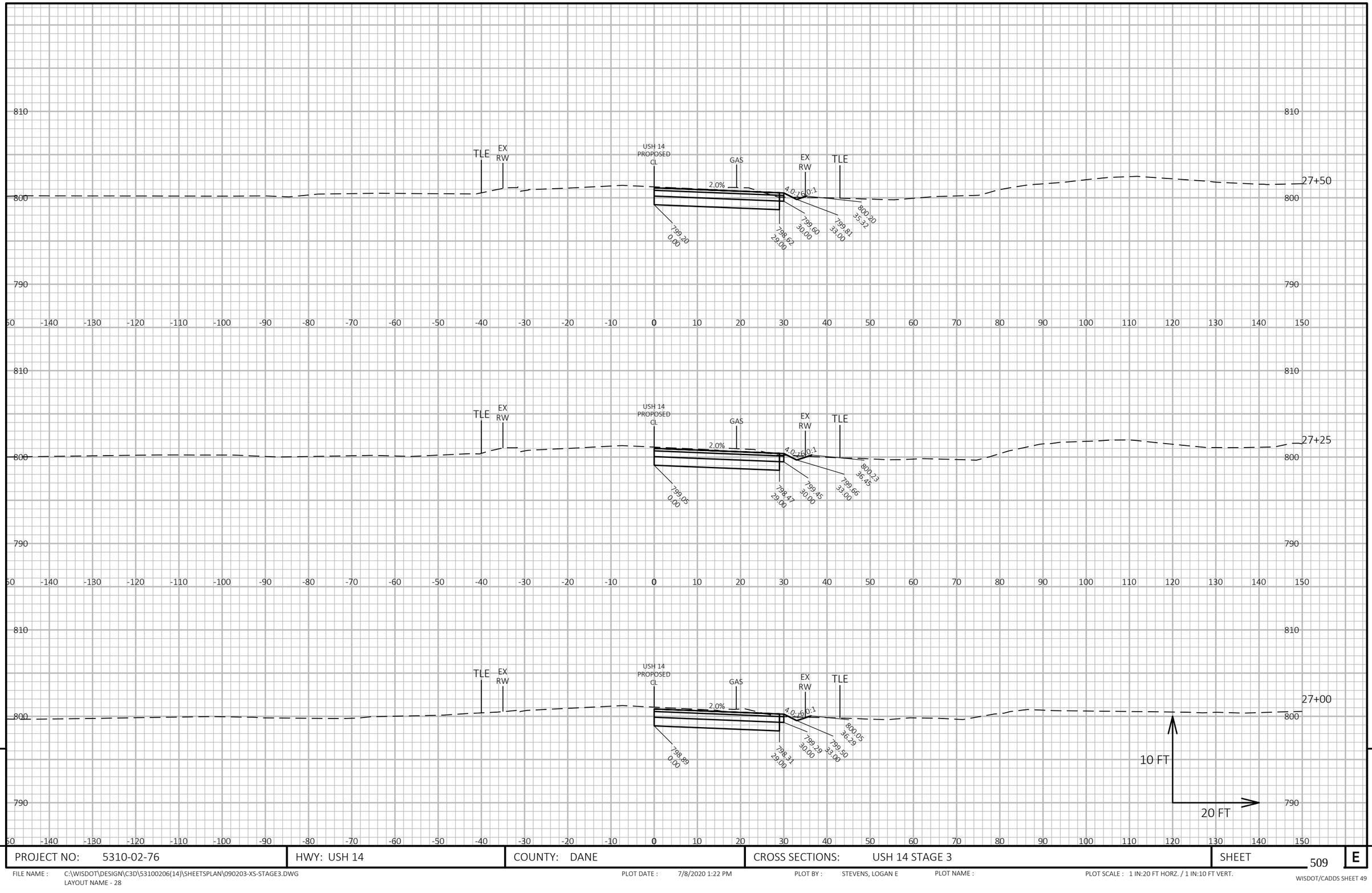
PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 508 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 27

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 509	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 28

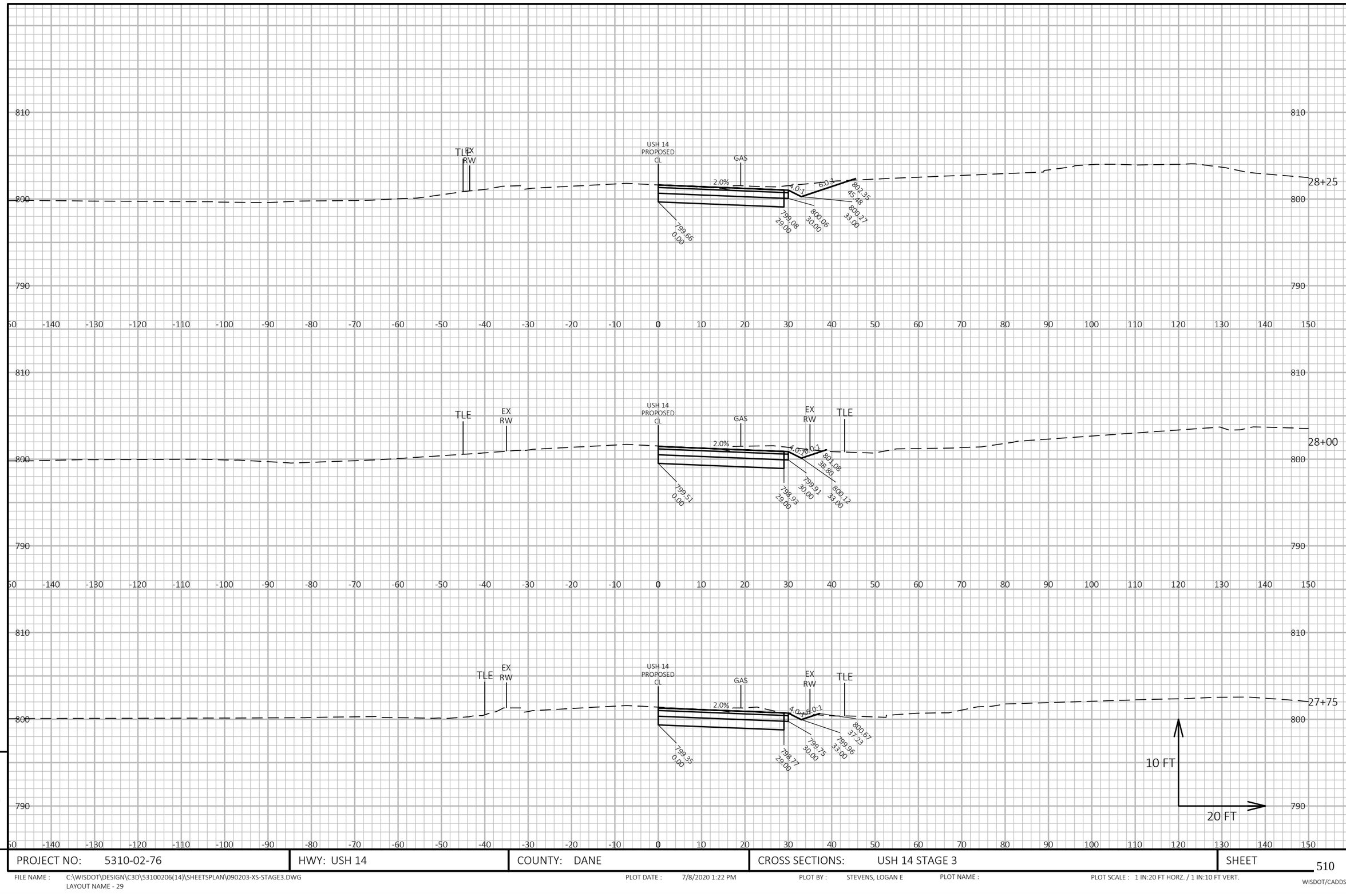
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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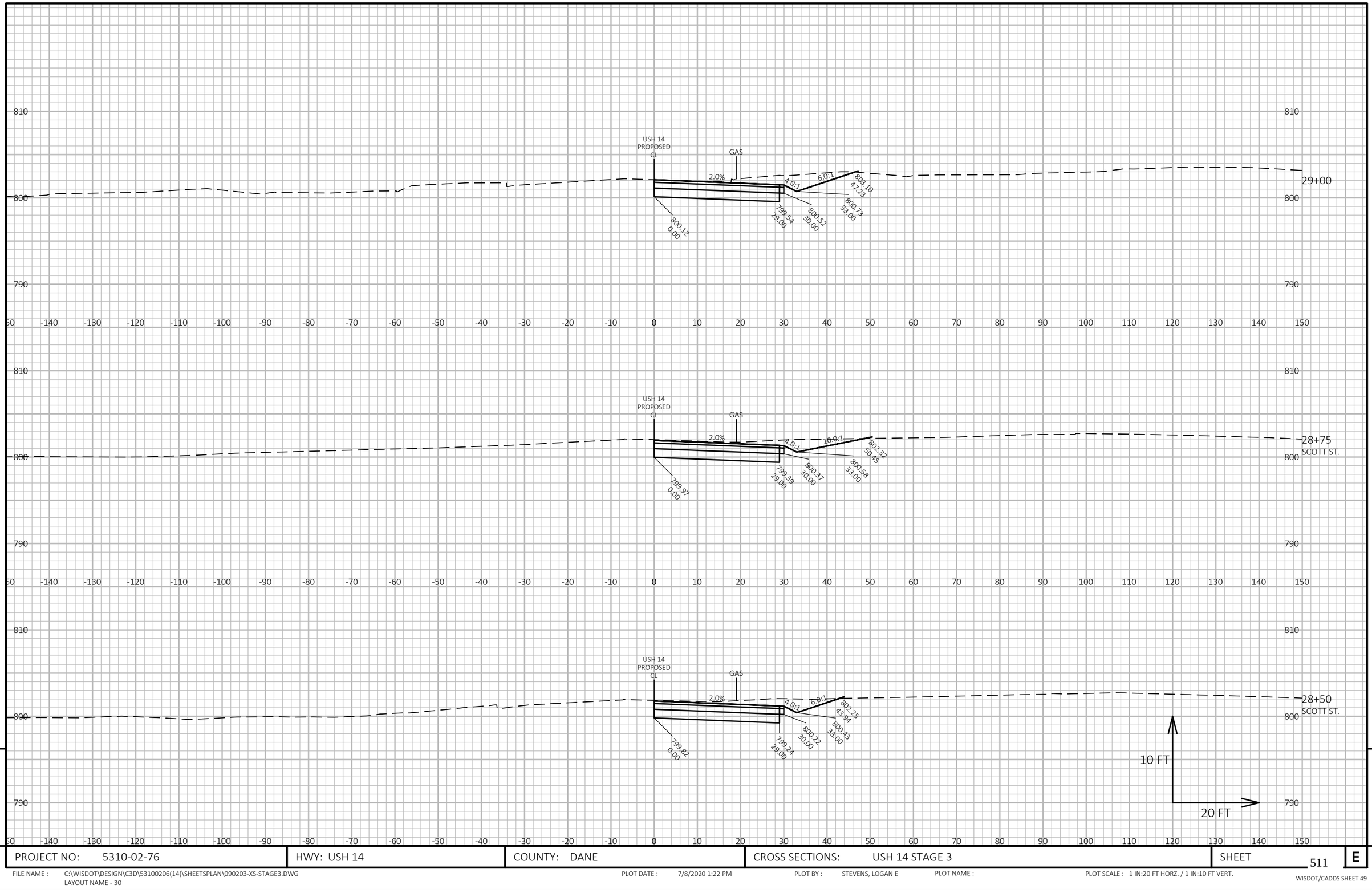
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 510	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 29

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 511	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 30

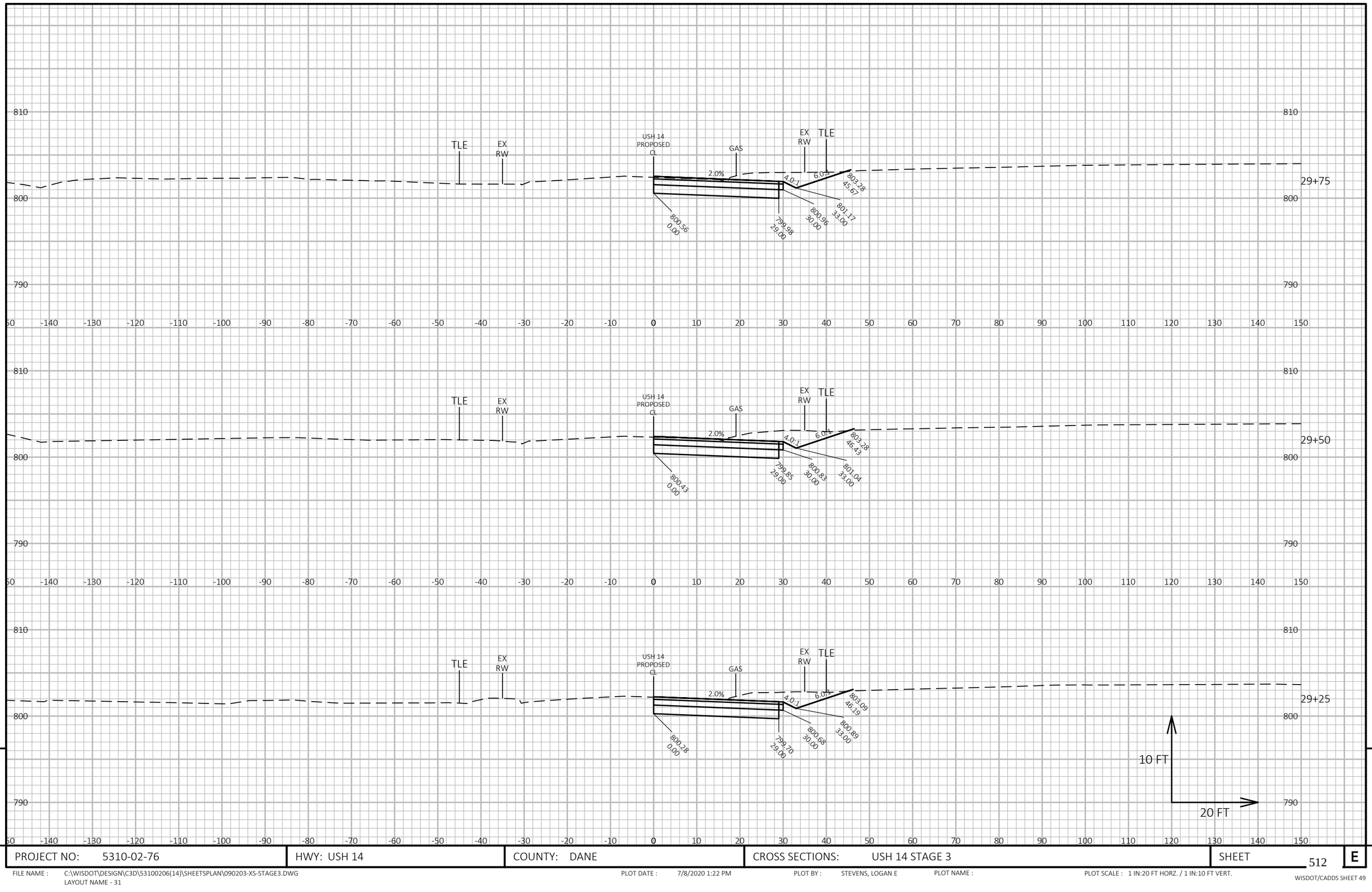
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 512	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 31

PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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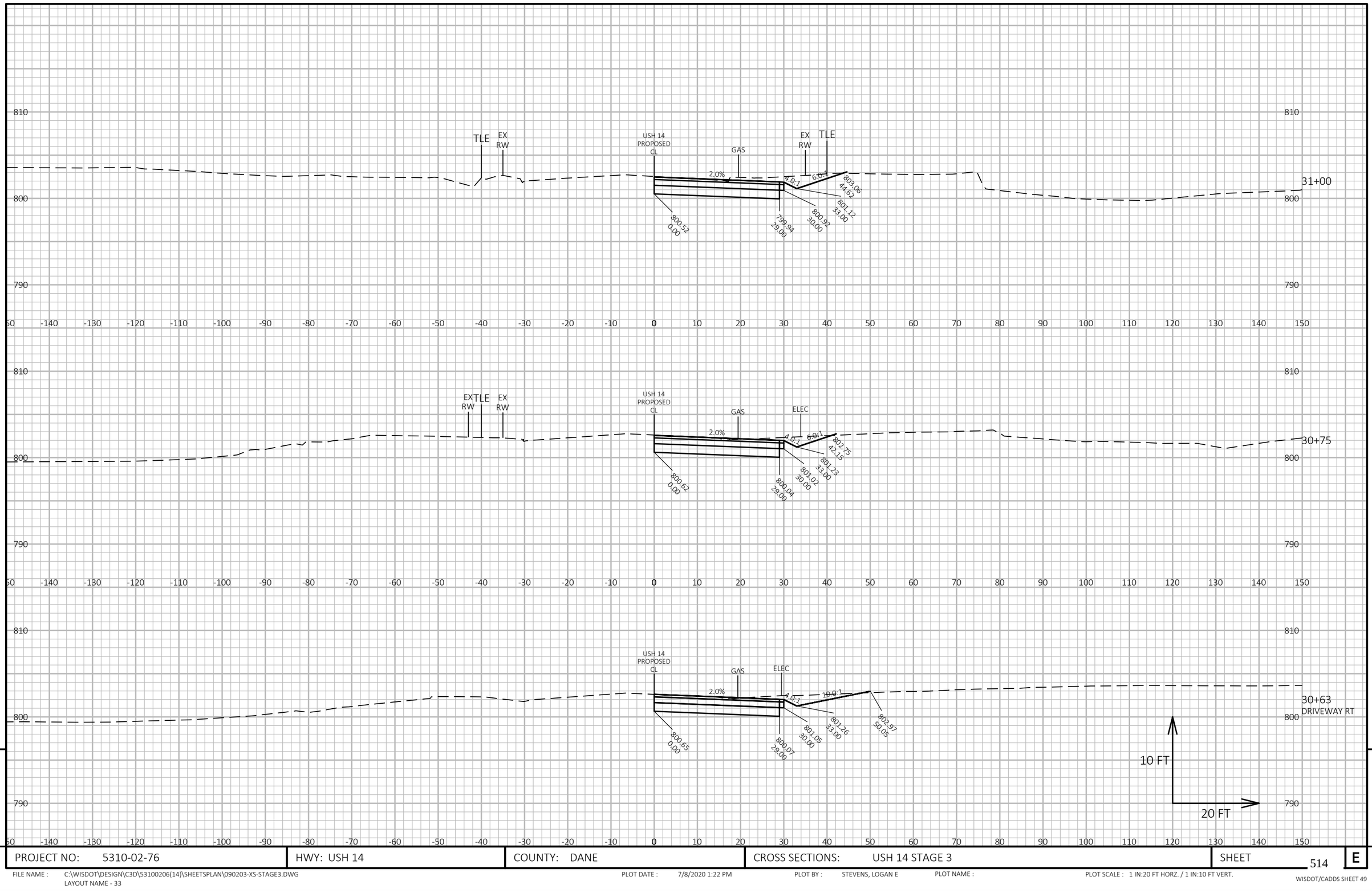
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 513	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 32

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 514	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 33

PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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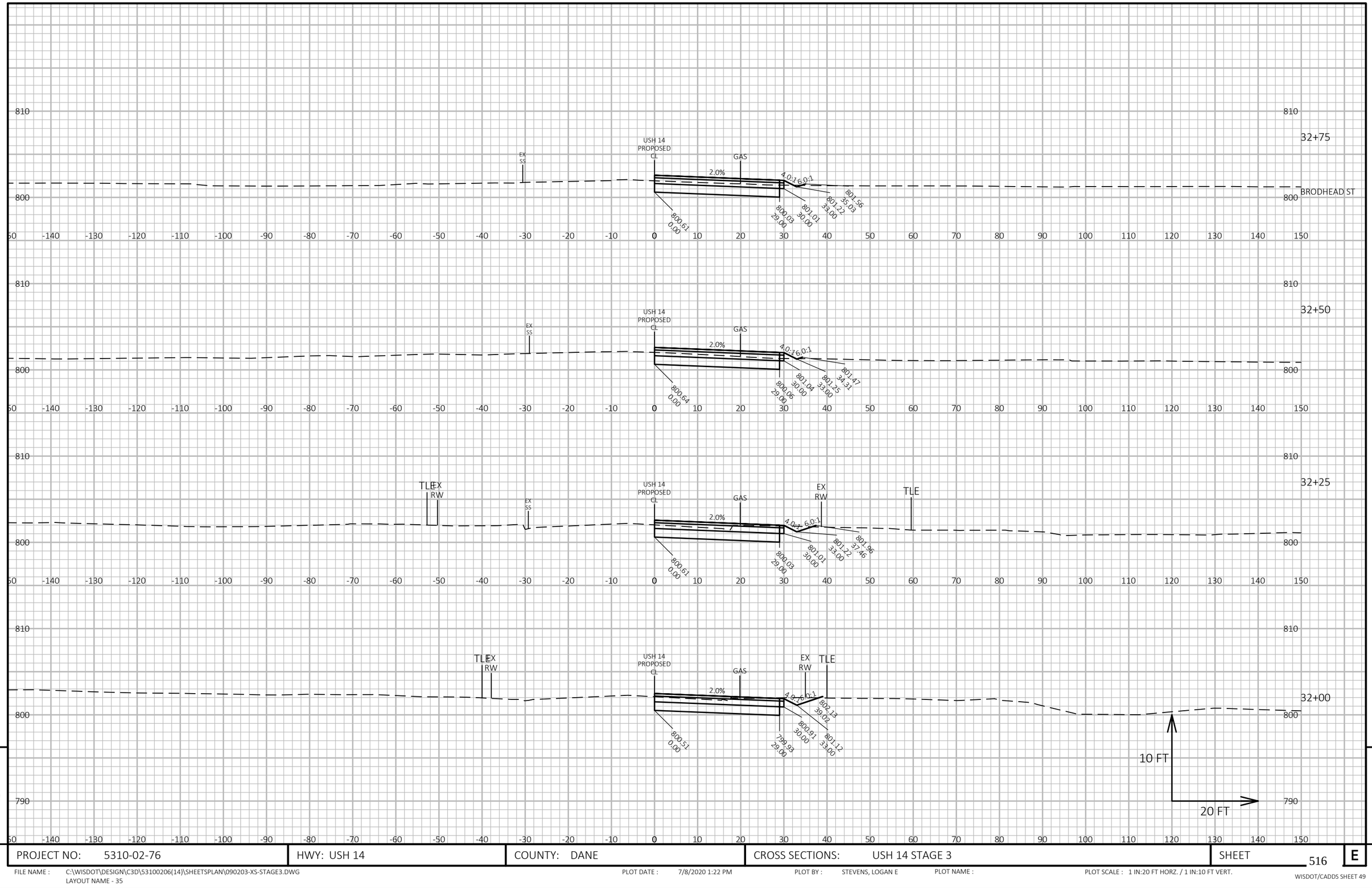
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 515	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 34

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 516	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 35

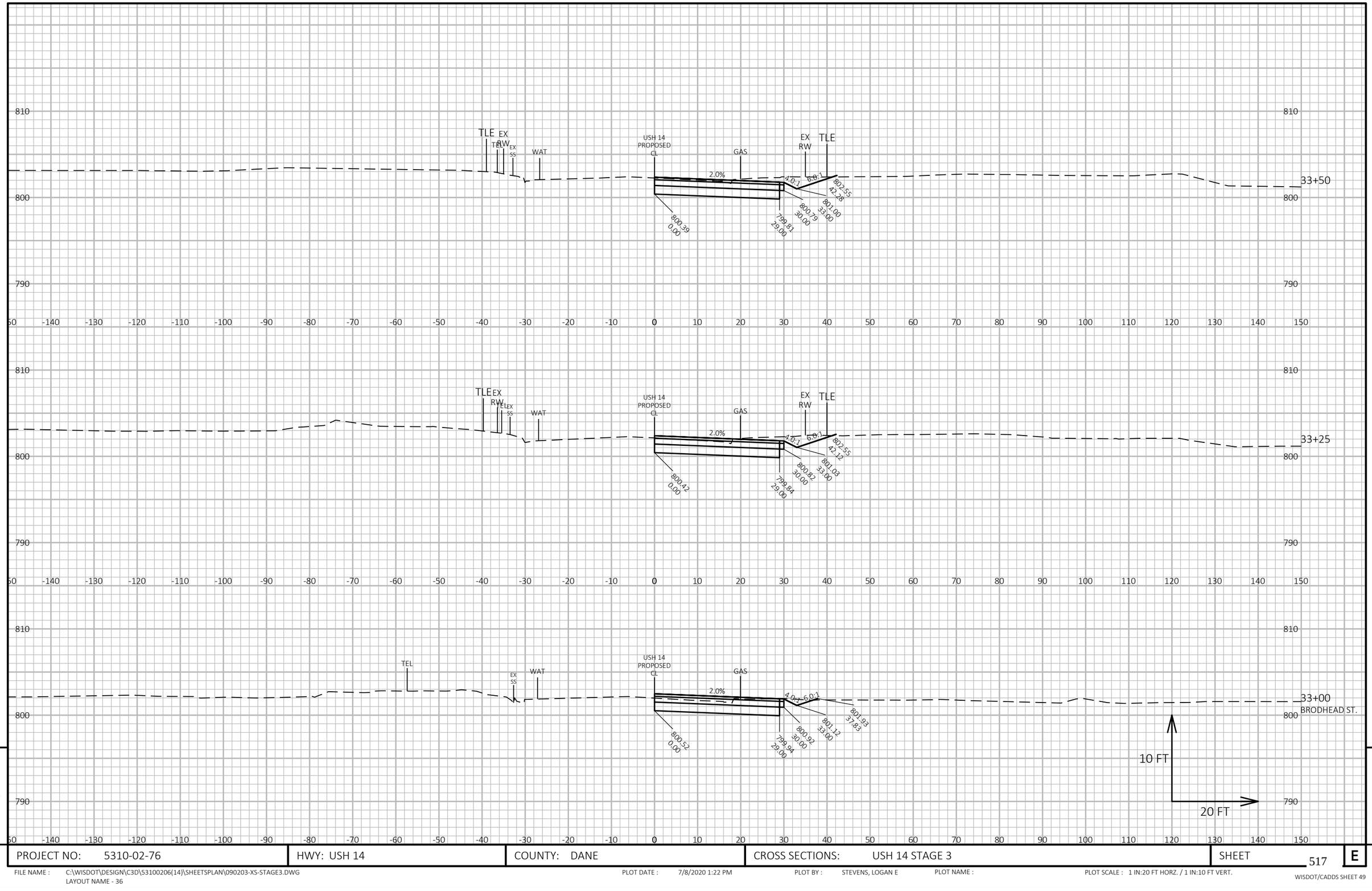
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 517	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 36

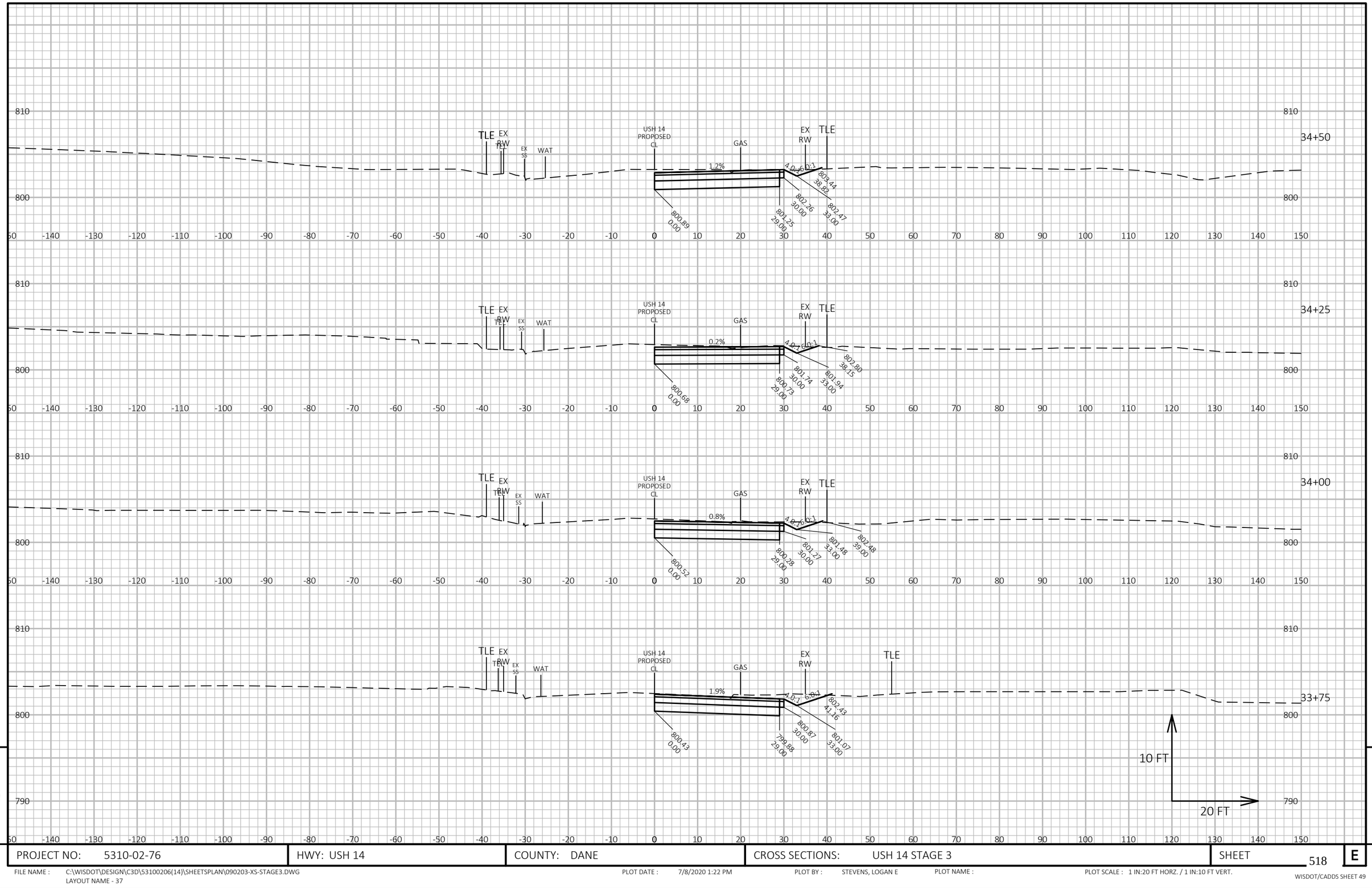
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 518	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 37

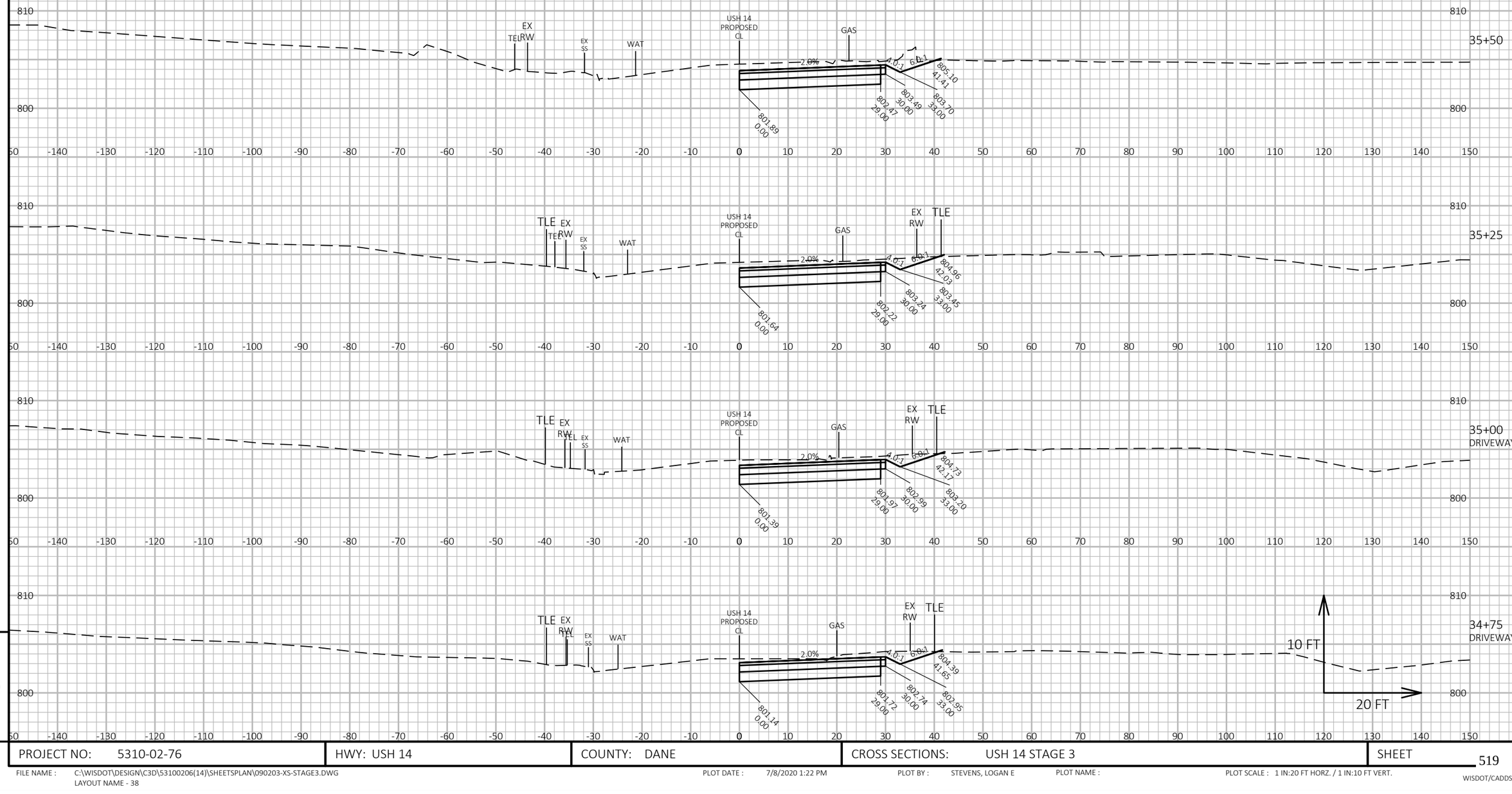
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

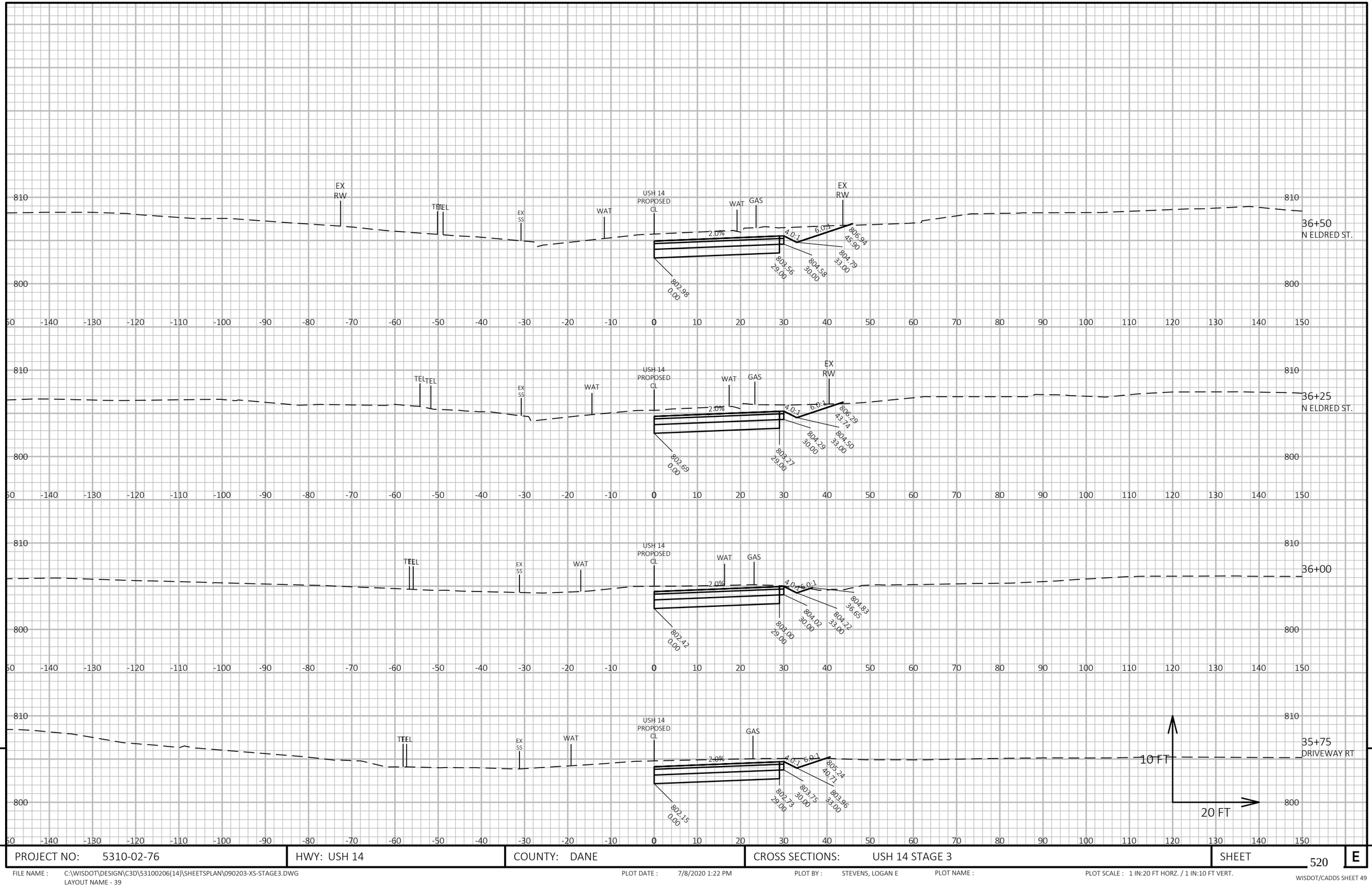


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 519	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 38

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

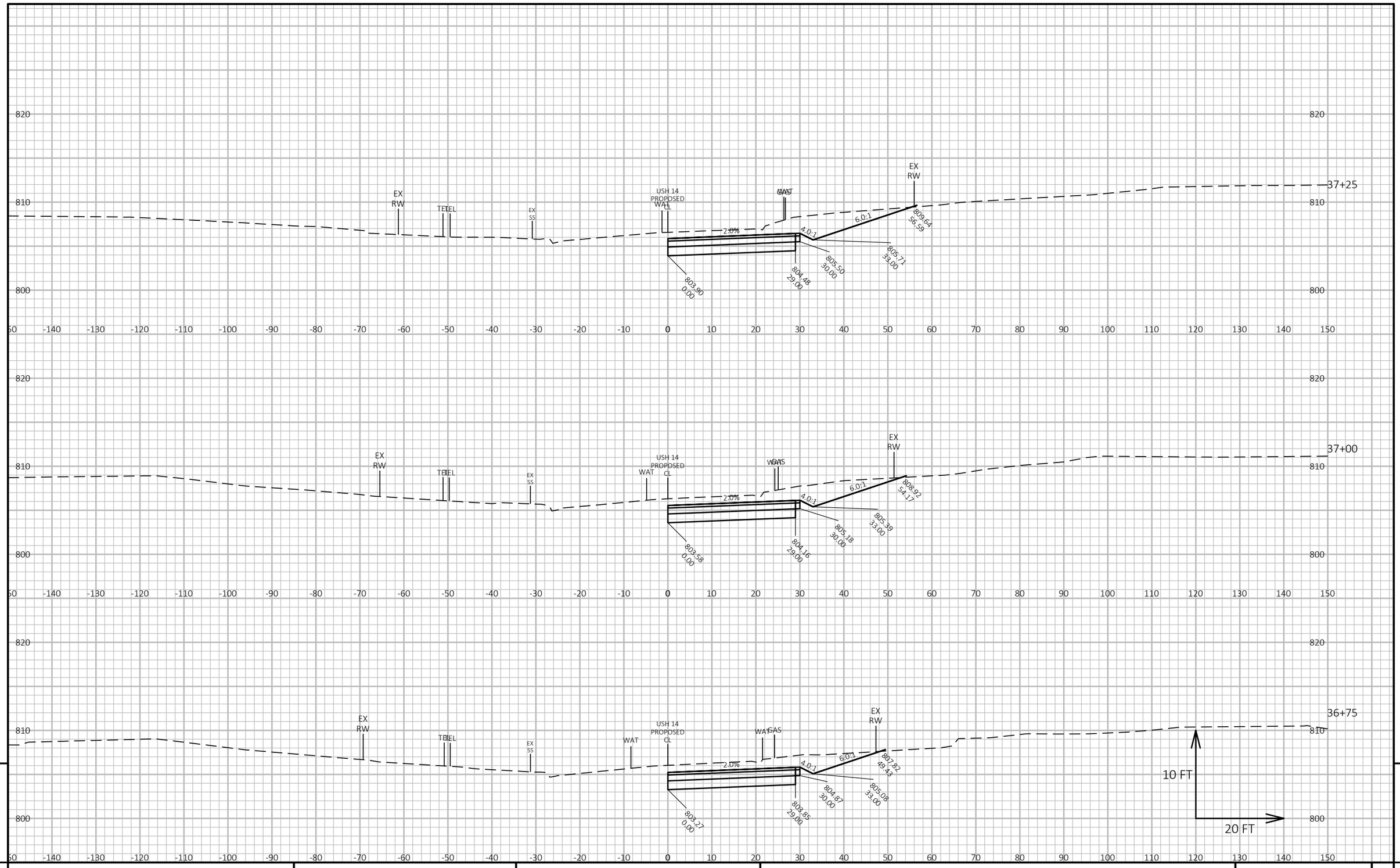


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 520	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 39

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 521	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 40

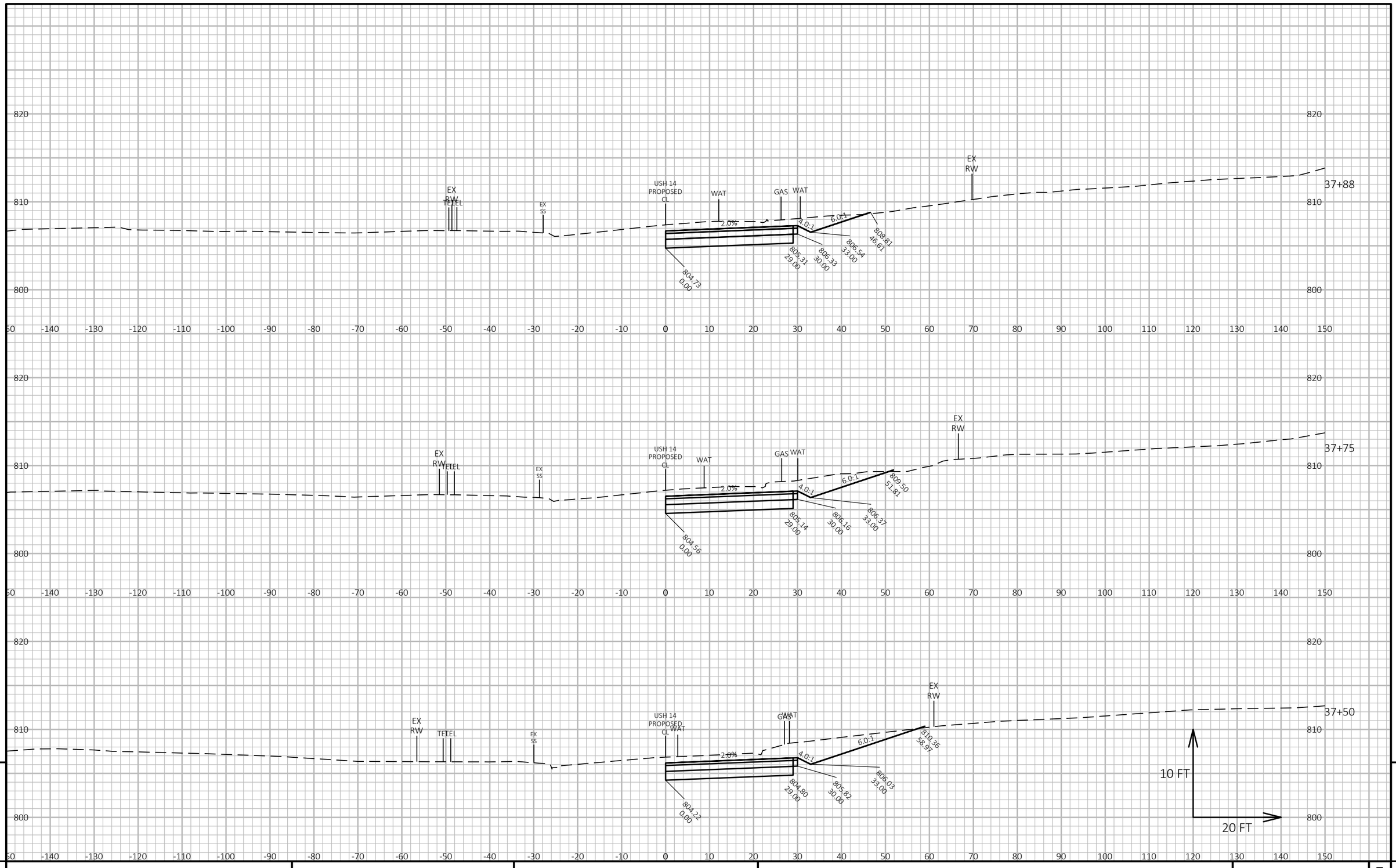
PLOT DATE : 7/8/2020 1:22 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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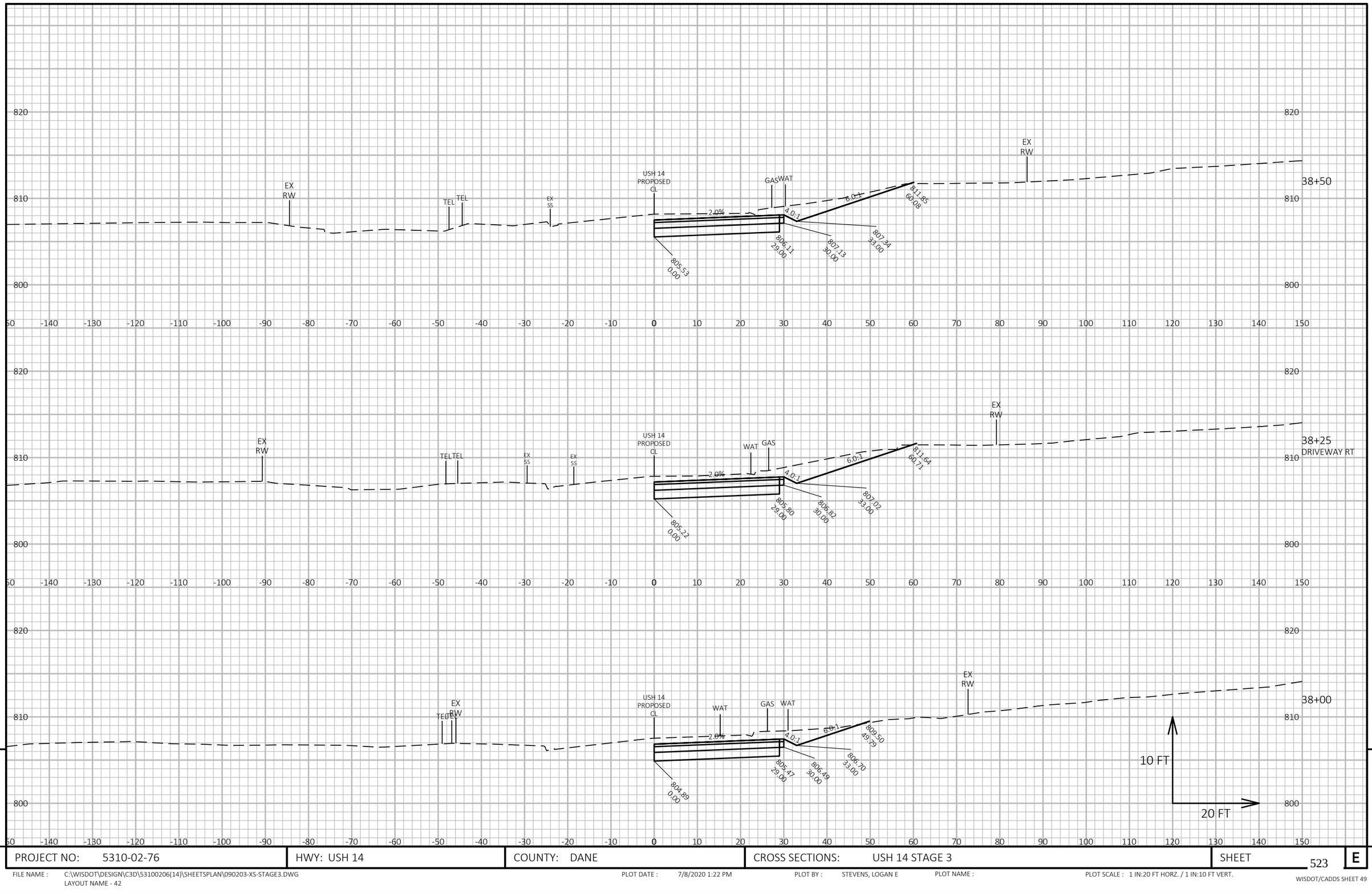
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 522	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 41

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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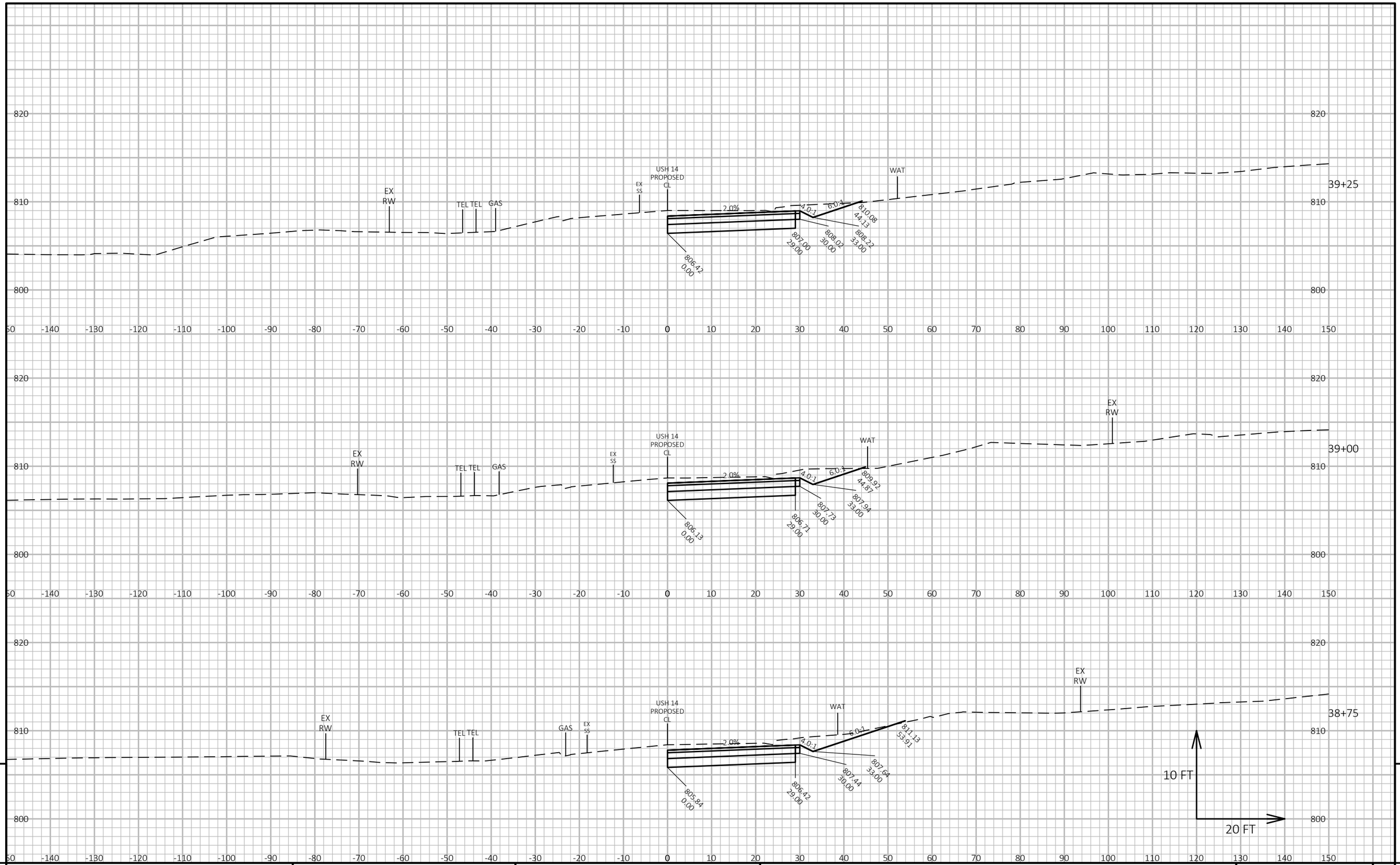
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 523	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 42

PLOT DATE : 7/8/2020 1:22 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 524	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 43

PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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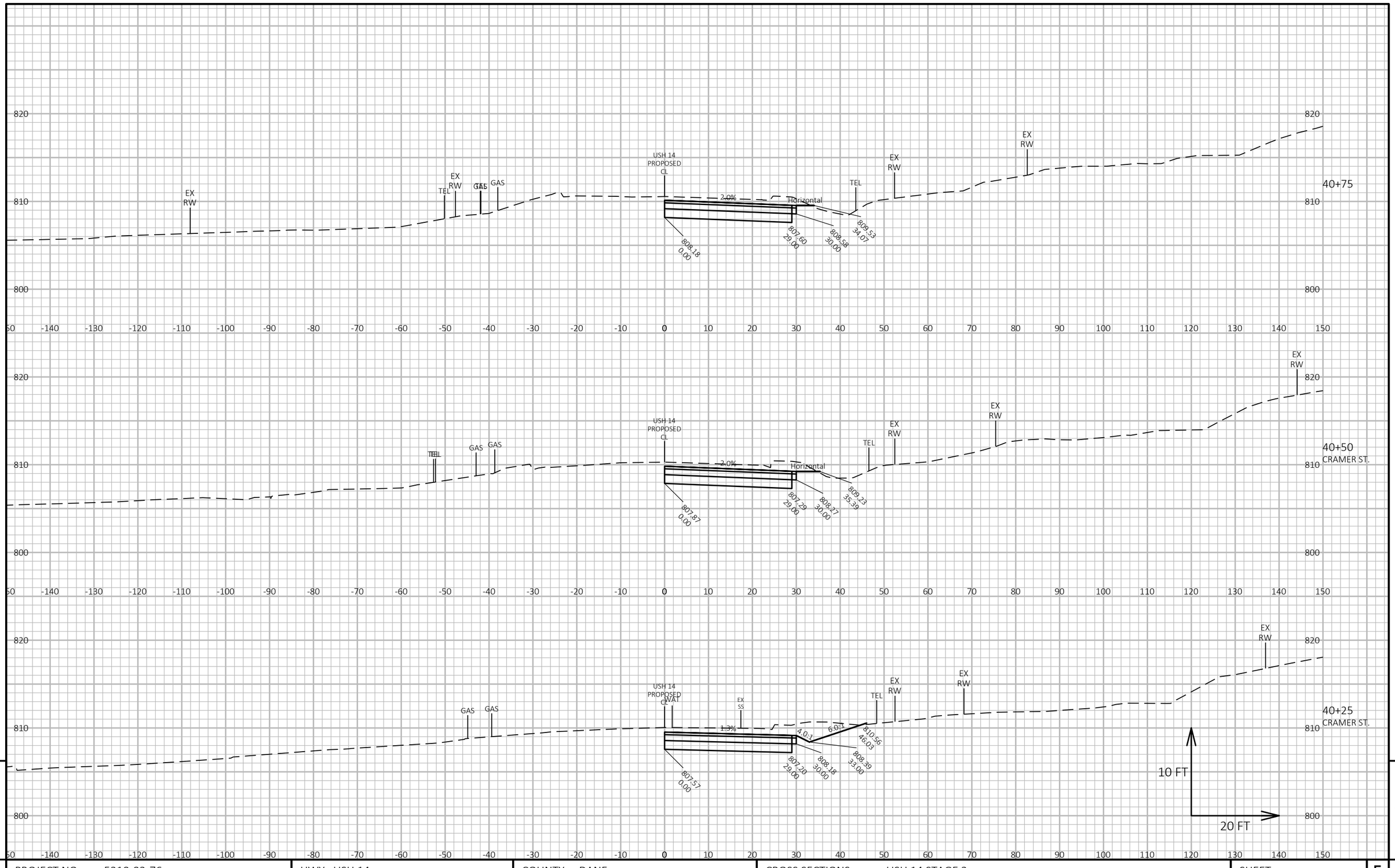
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 525	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 44

PLOT DATE : 7/8/2020 1:23 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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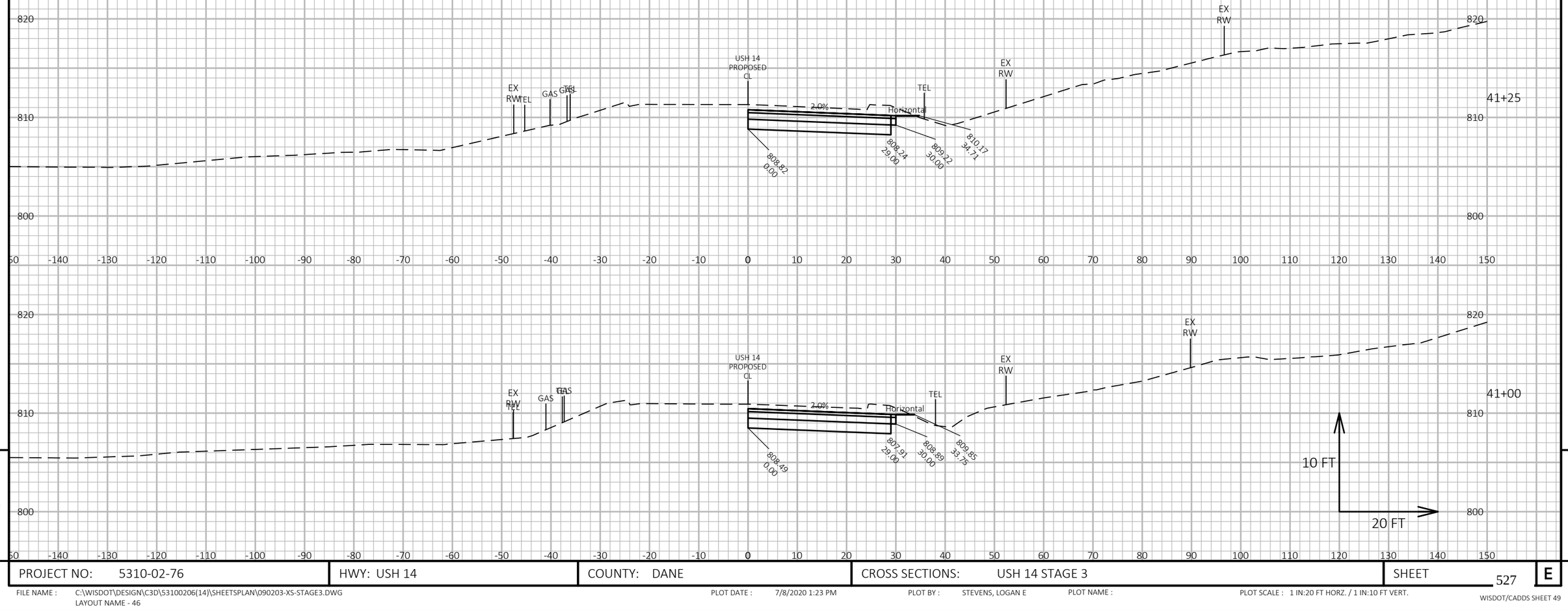
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 526	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 45

PLOT DATE : 7/8/2020 1:23 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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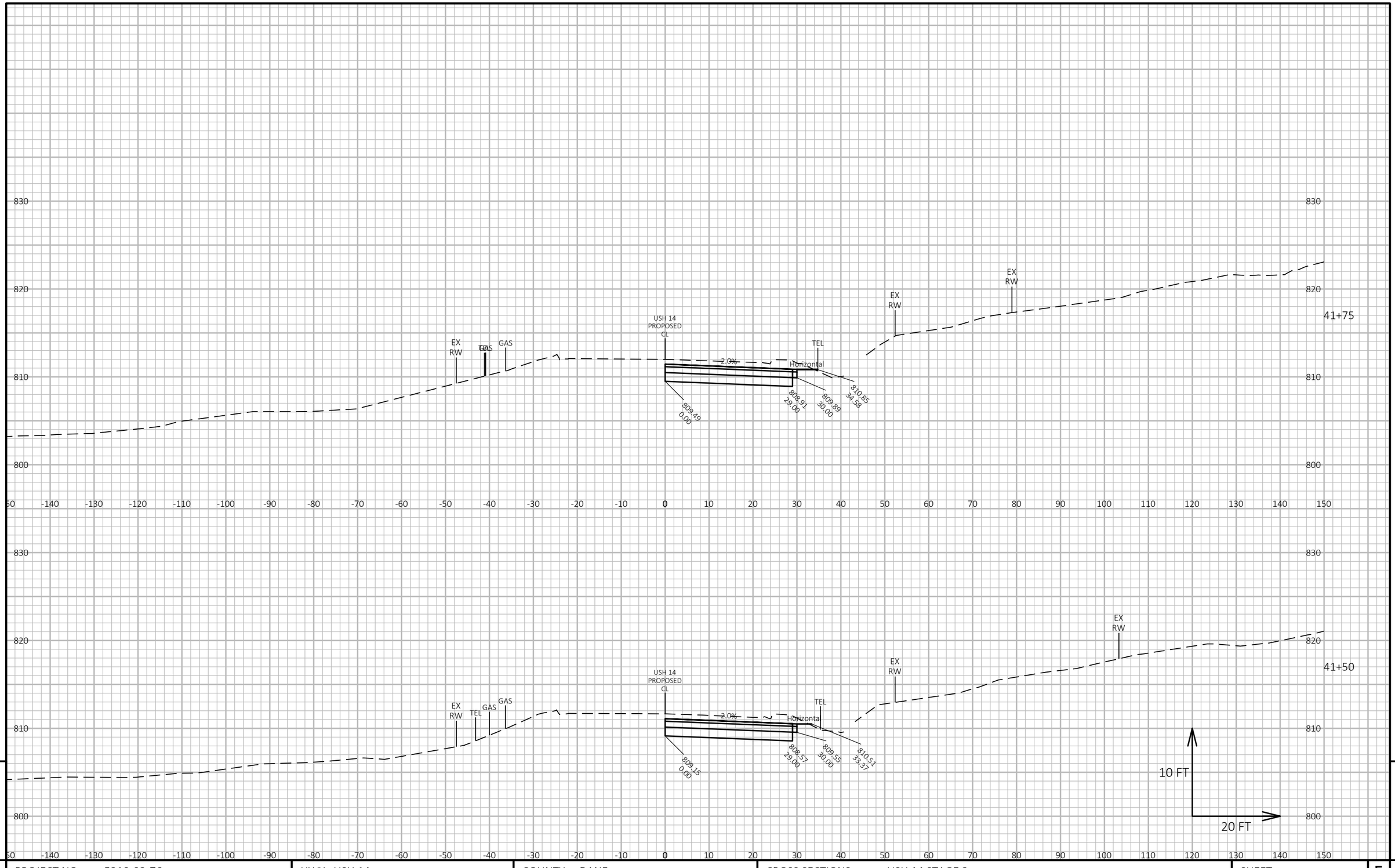
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 527	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 46

PLOT DATE : 7/8/2020 1:23 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 528	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 47

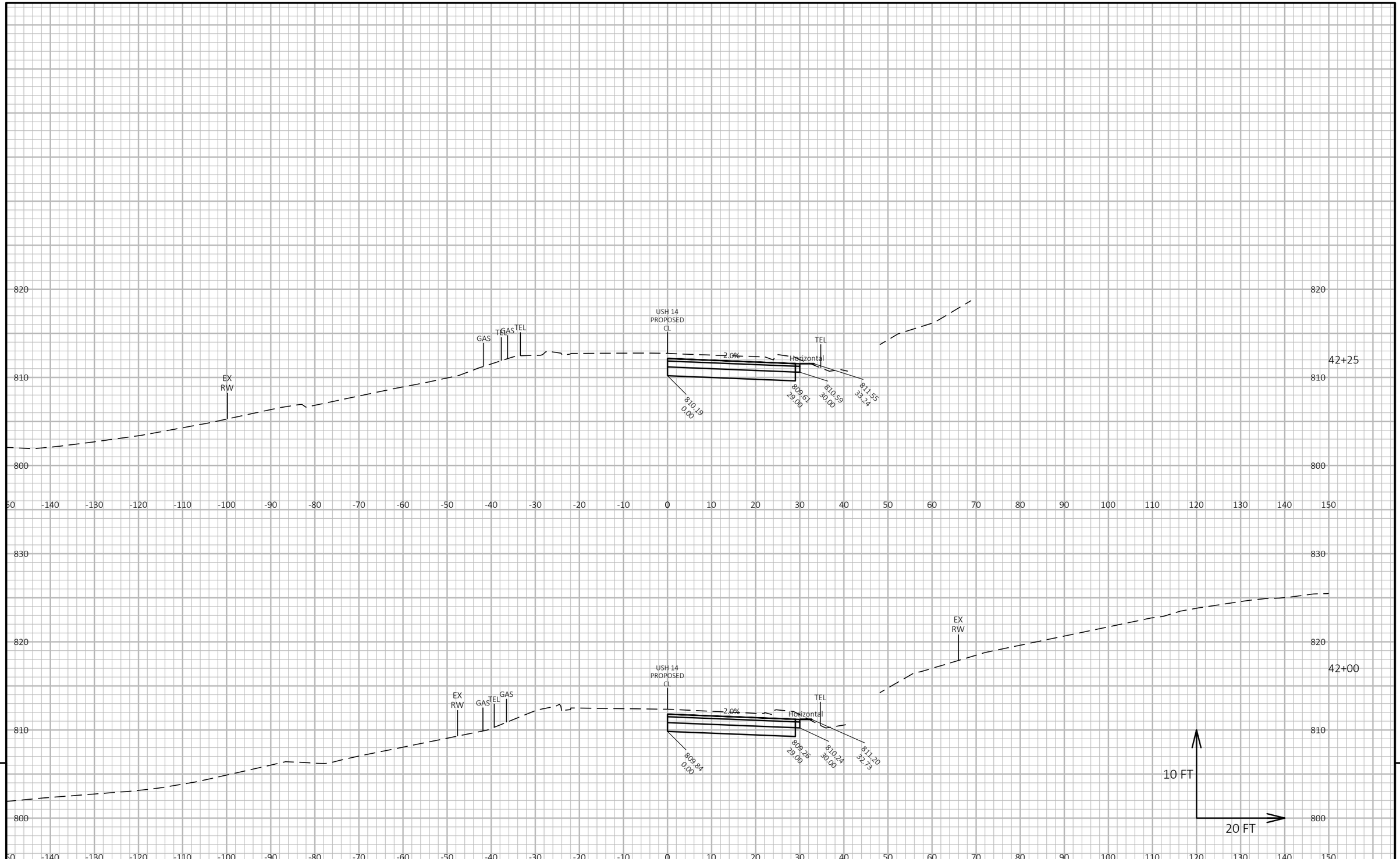
PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 529	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 48

PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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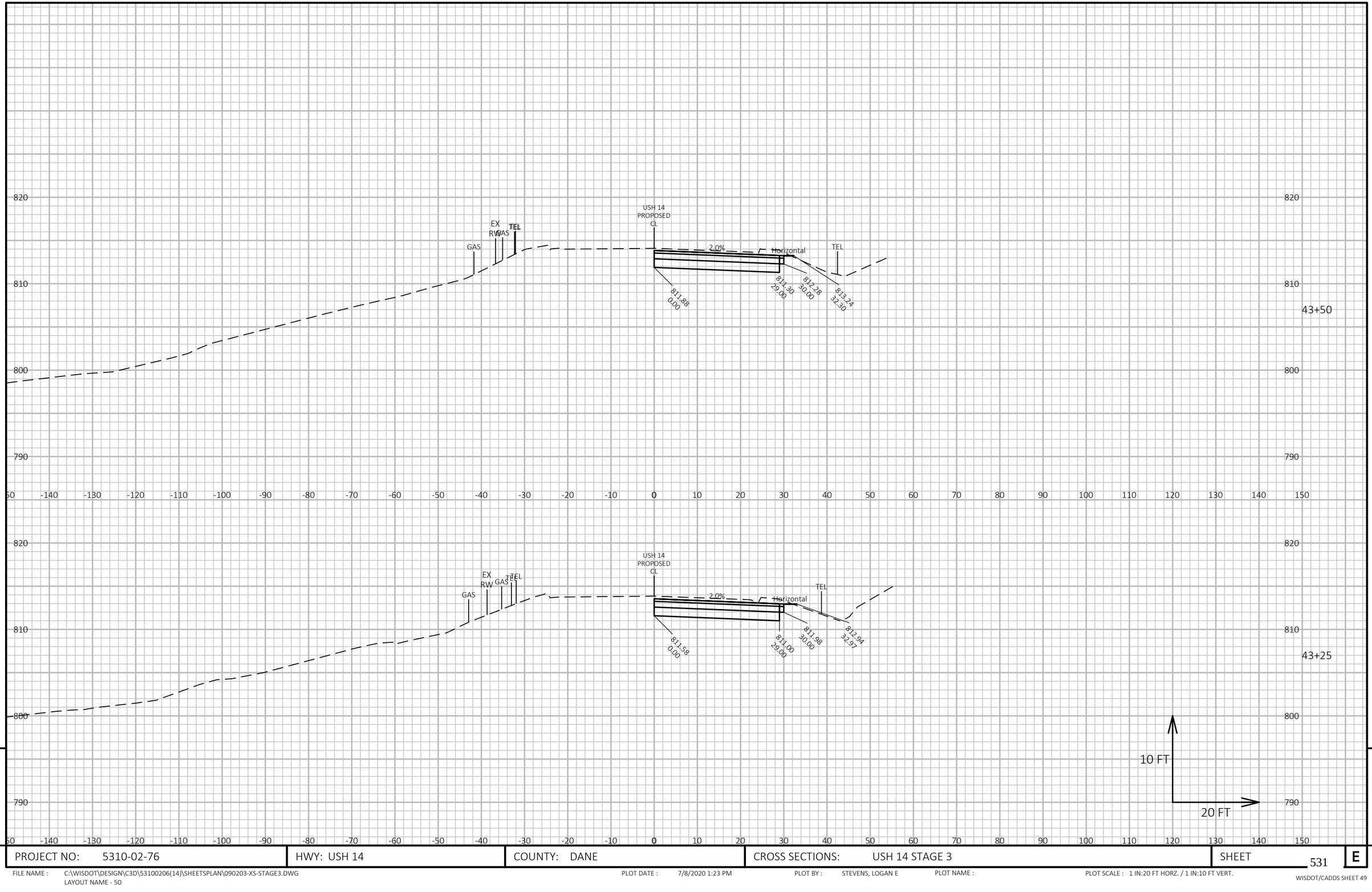
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 530	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 49

PLOT DATE : 7/8/2020 1:23 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

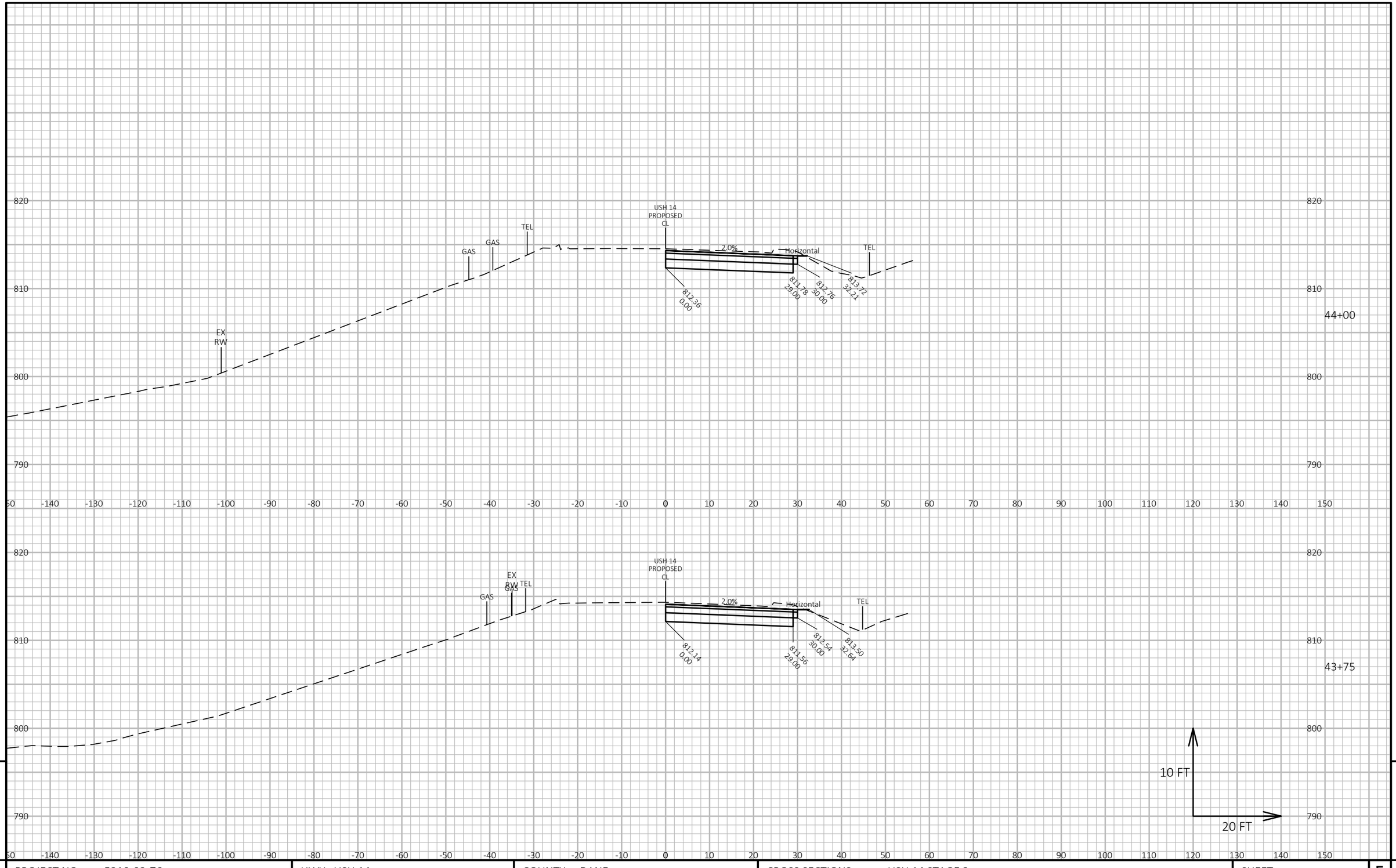


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 531	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 50

PLOT DATE : 7/8/2020 1:23 PM PLOT BY : STEVENS, LOGAN E PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 532	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 51

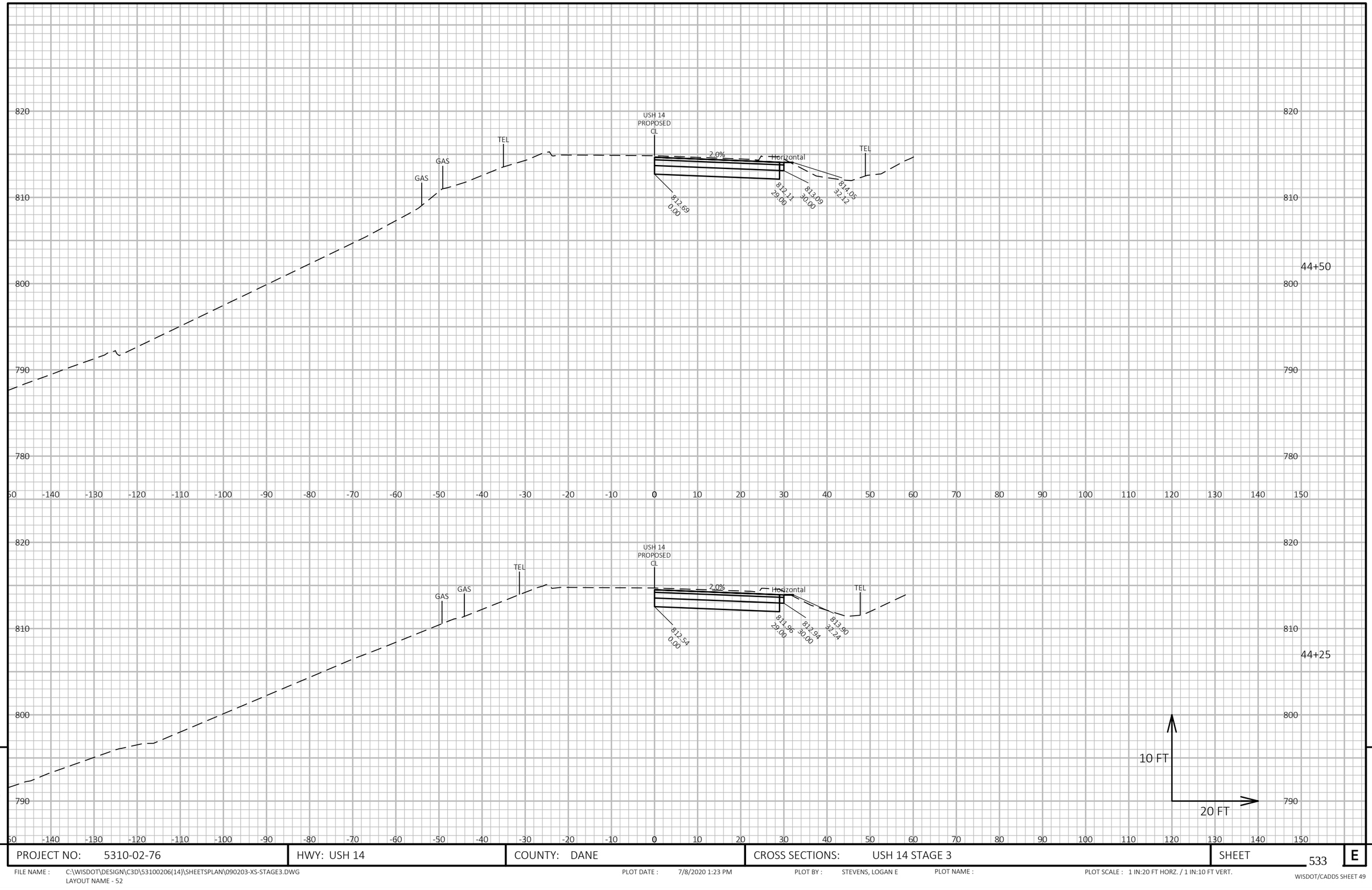
PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 533	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 52

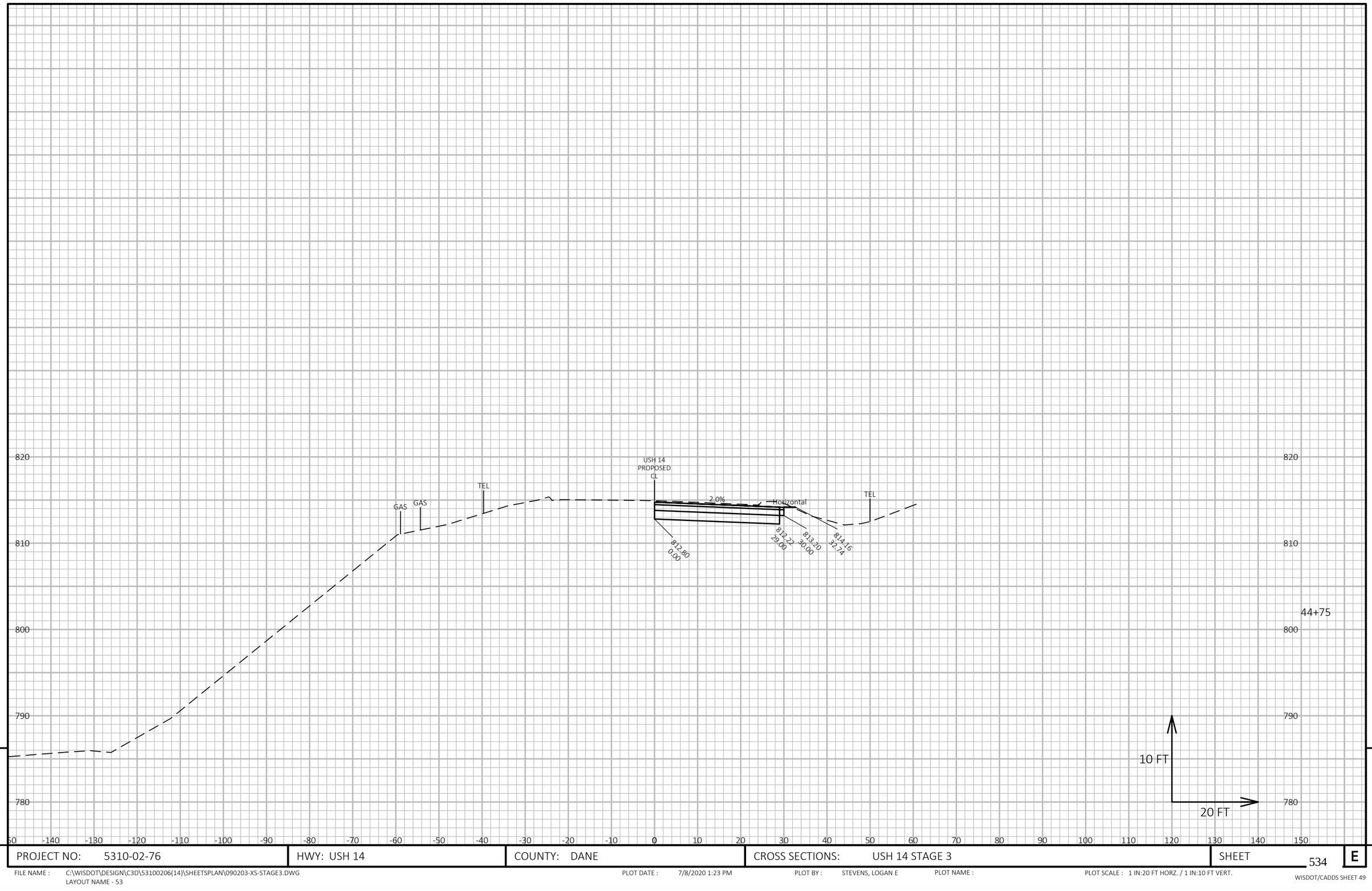
PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 534	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 53

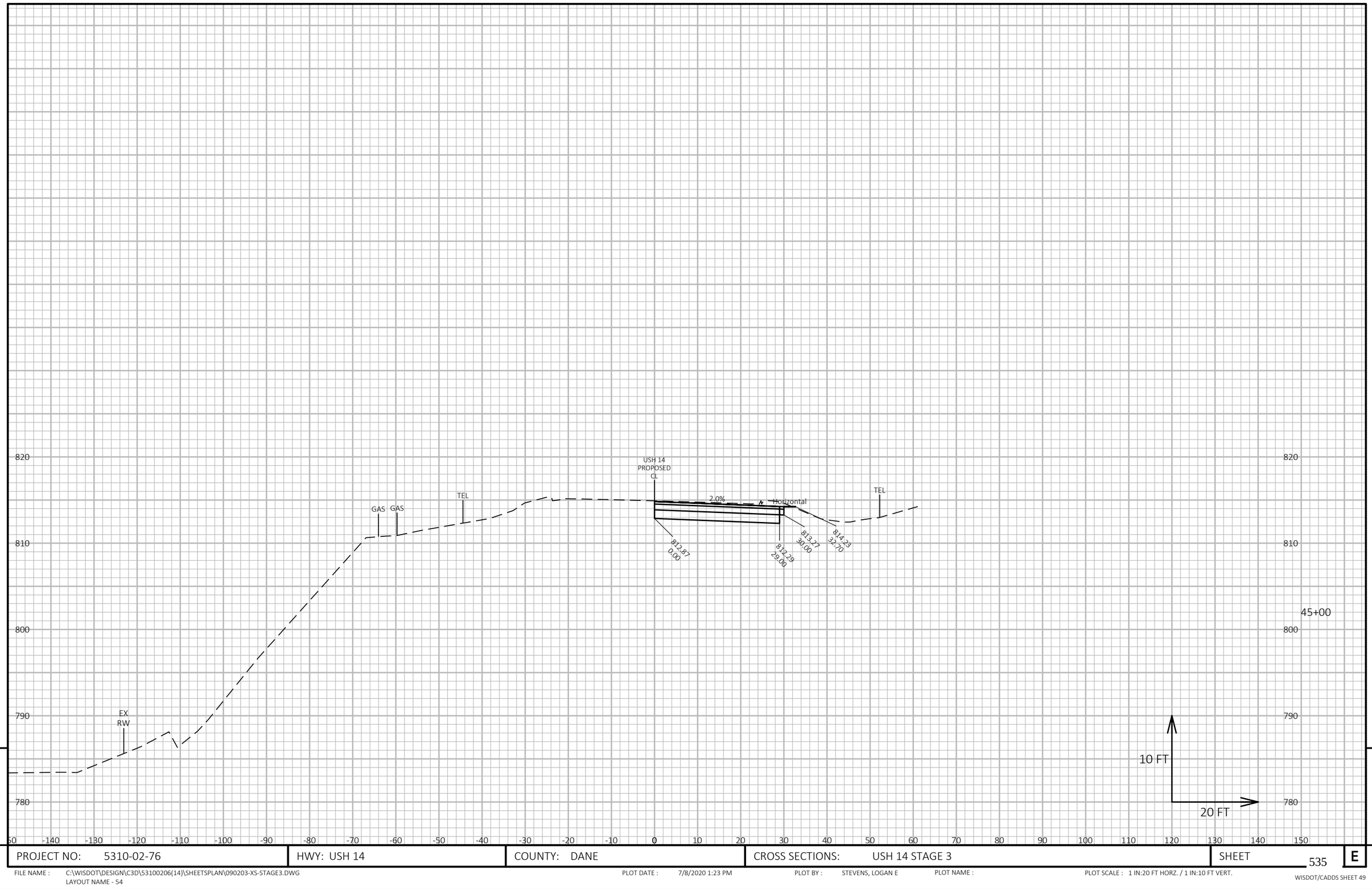
PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 3	SHEET 535	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090203-XS-STAGE3.DWG
LAYOUT NAME - 54

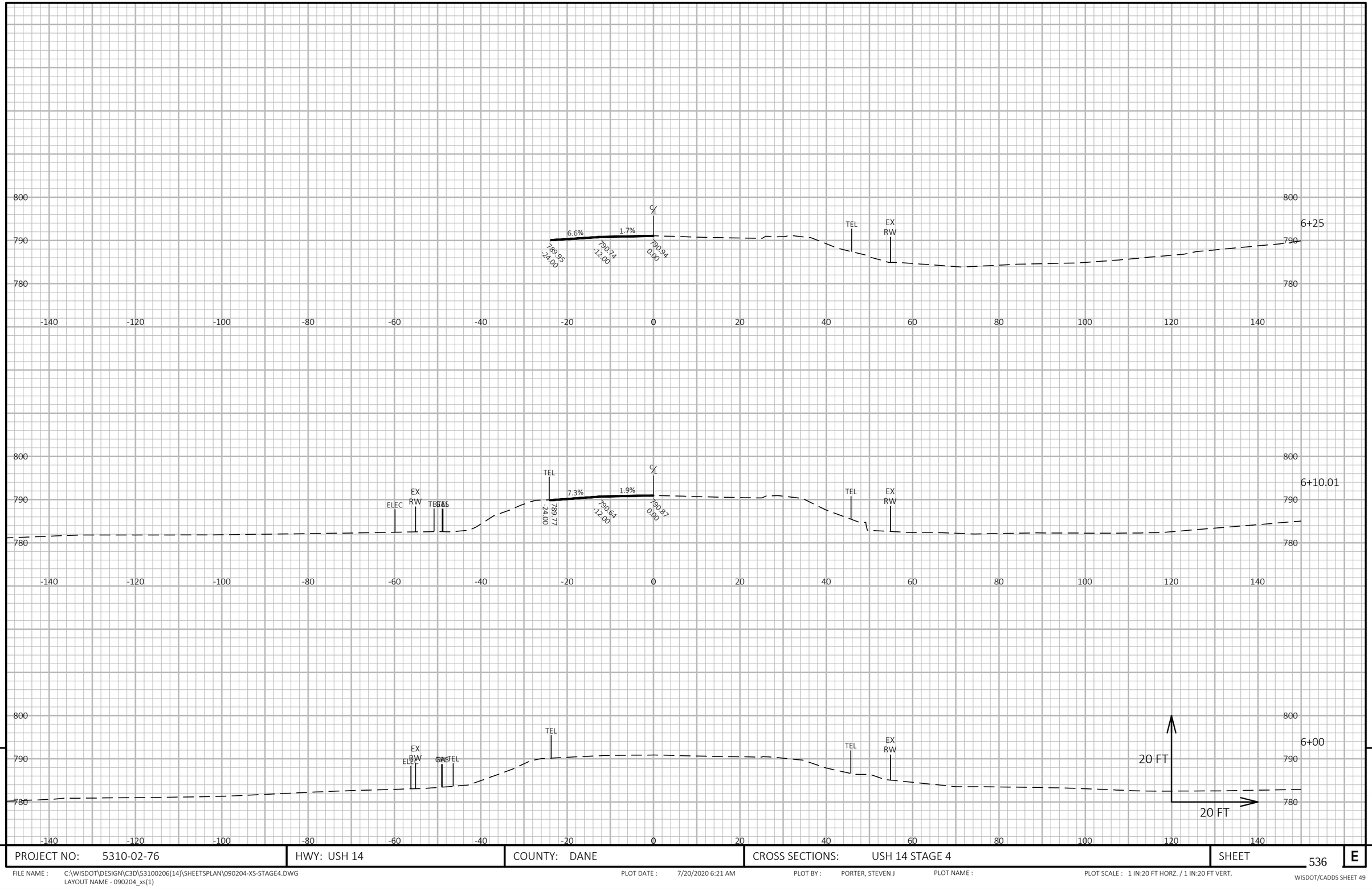
PLOT DATE : 7/8/2020 1:23 PM

PLOT BY : STEVENS, LOGAN E

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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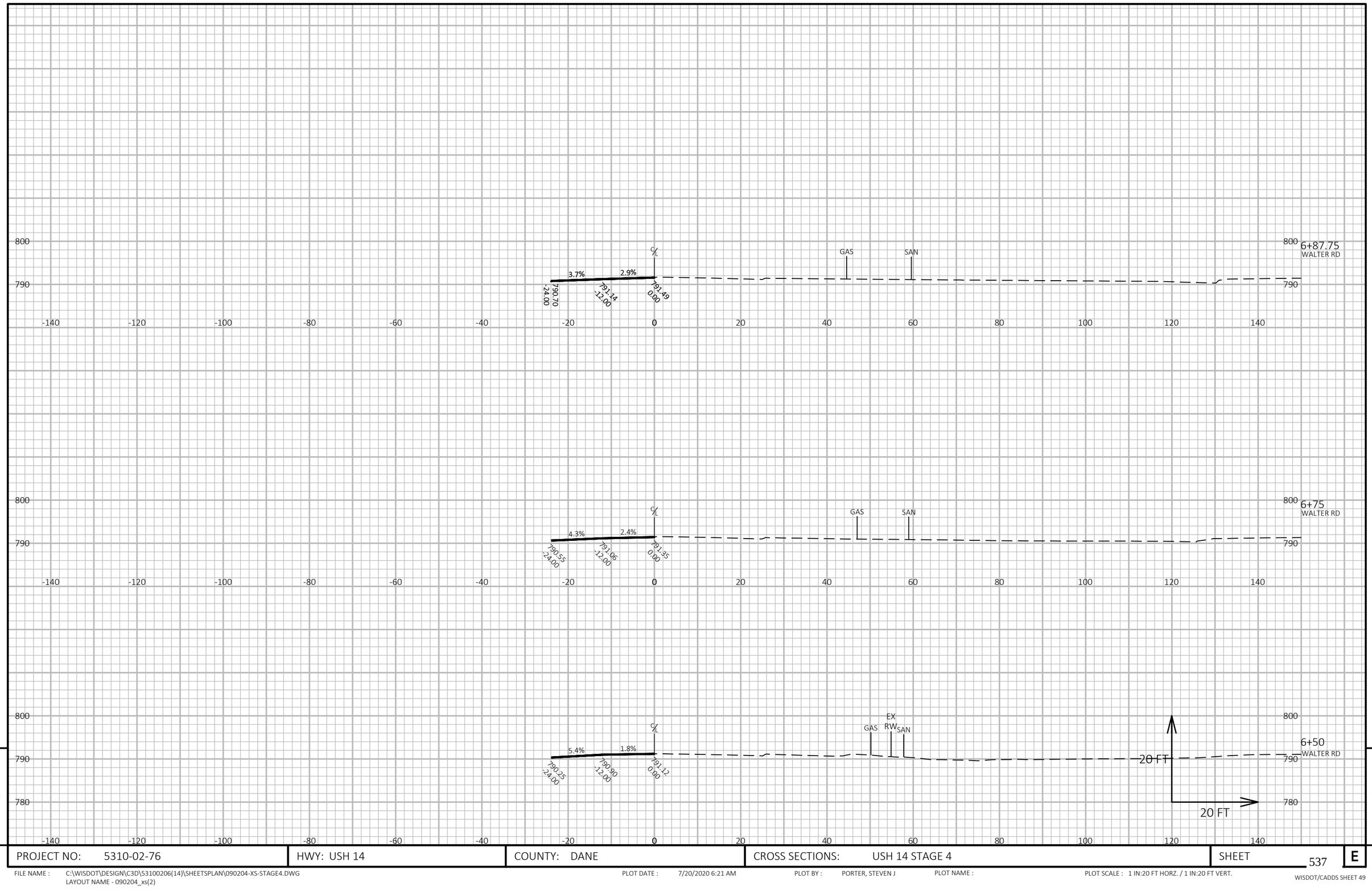
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 536	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(1)

PLOT DATE : 7/20/2020 6:21 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 537	E

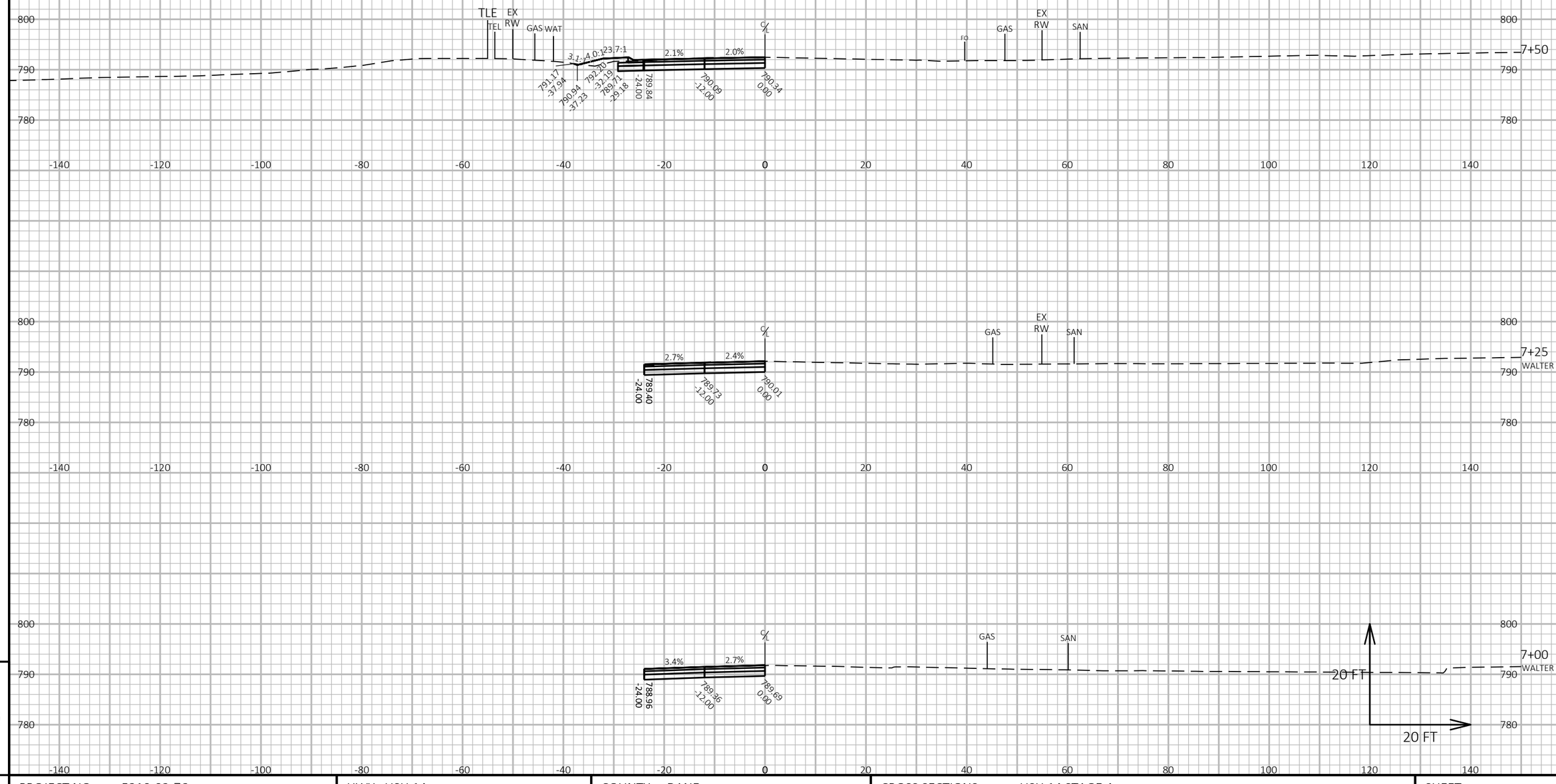
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(2)

PLOT DATE : 7/20/2020 6:21 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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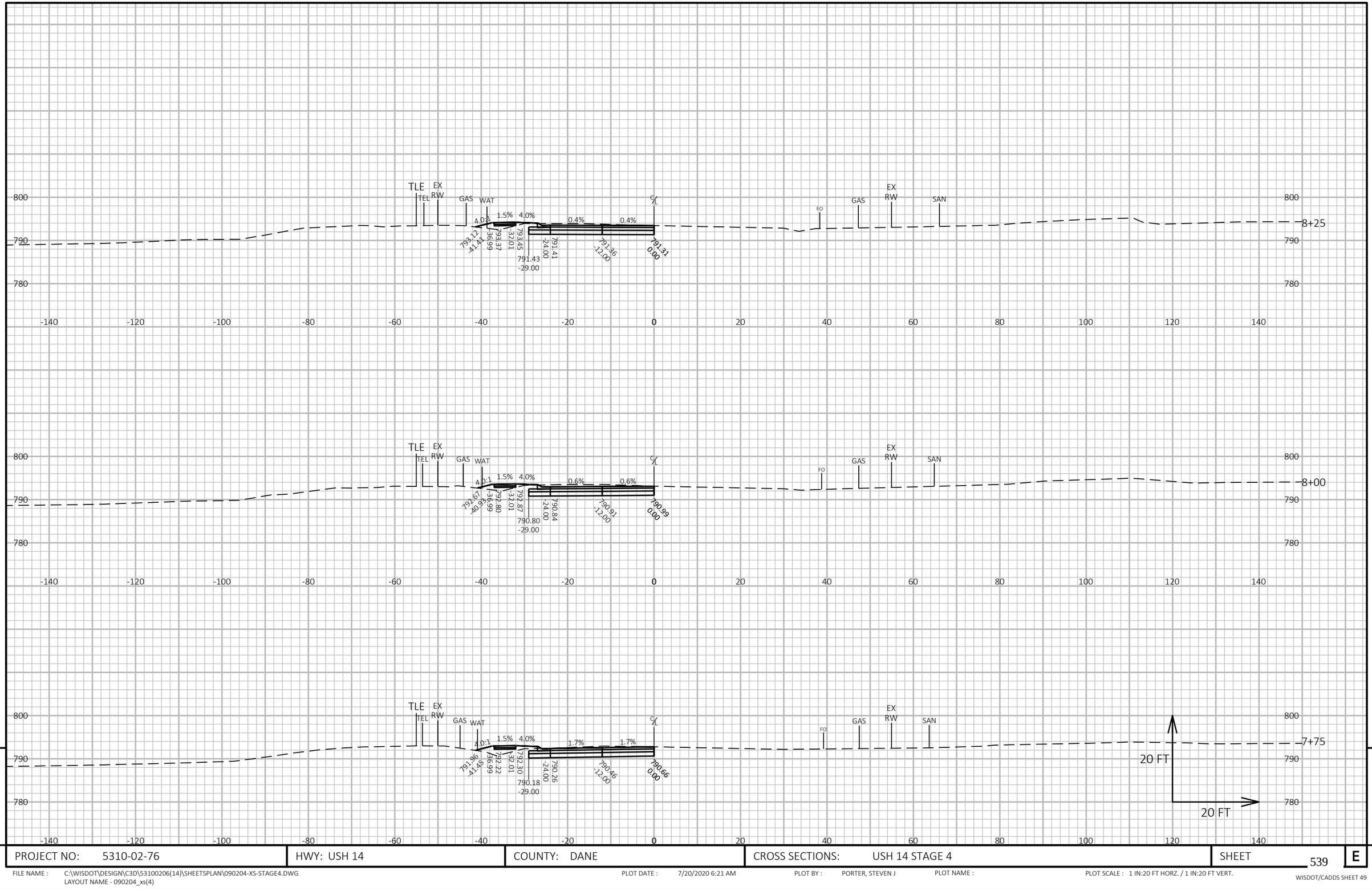
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 538	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(3)

PLOT DATE : 7/20/2020 6:21 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 539	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(4)

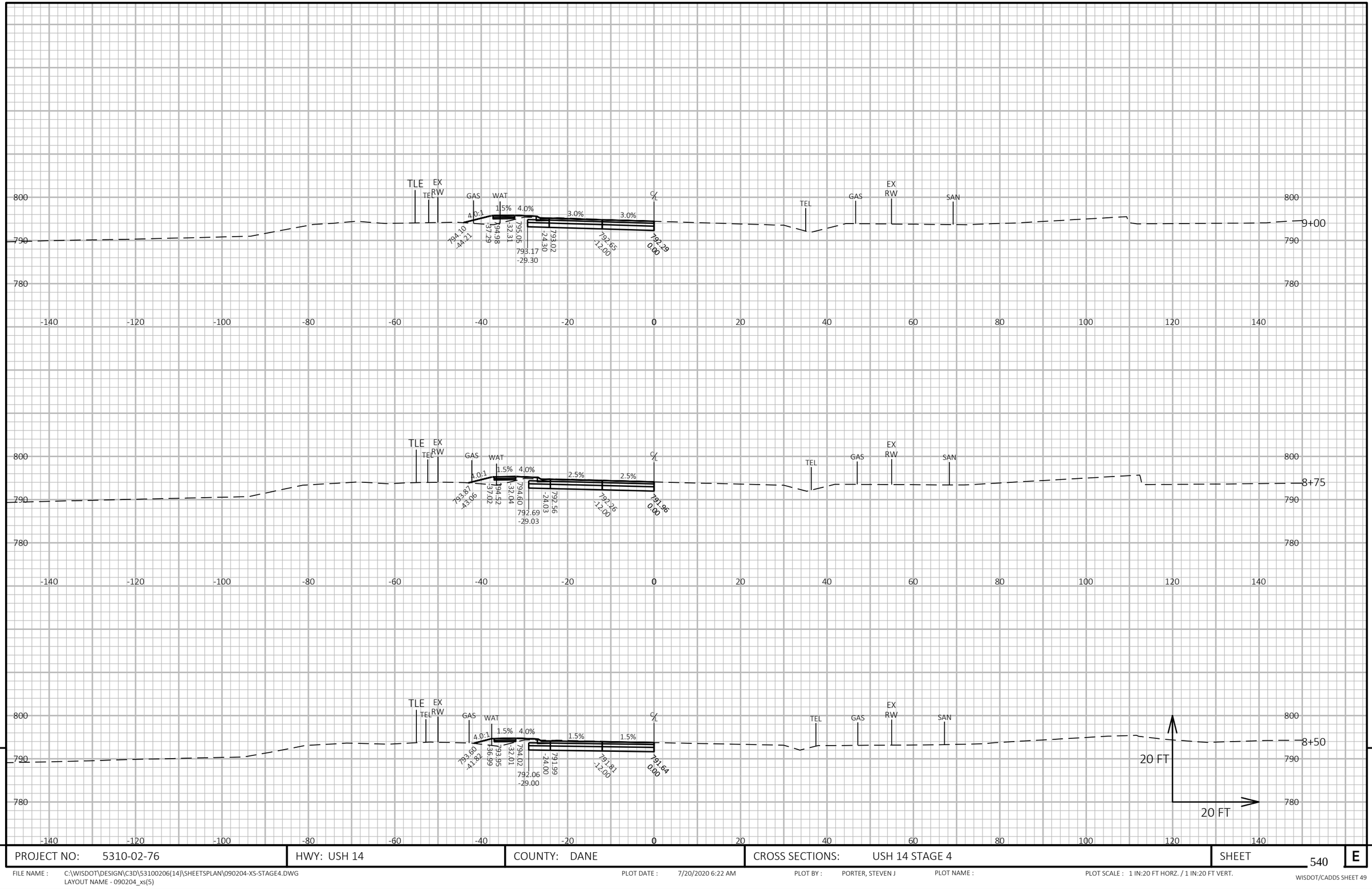
PLOT DATE : 7/20/2020 6:21 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 540	E

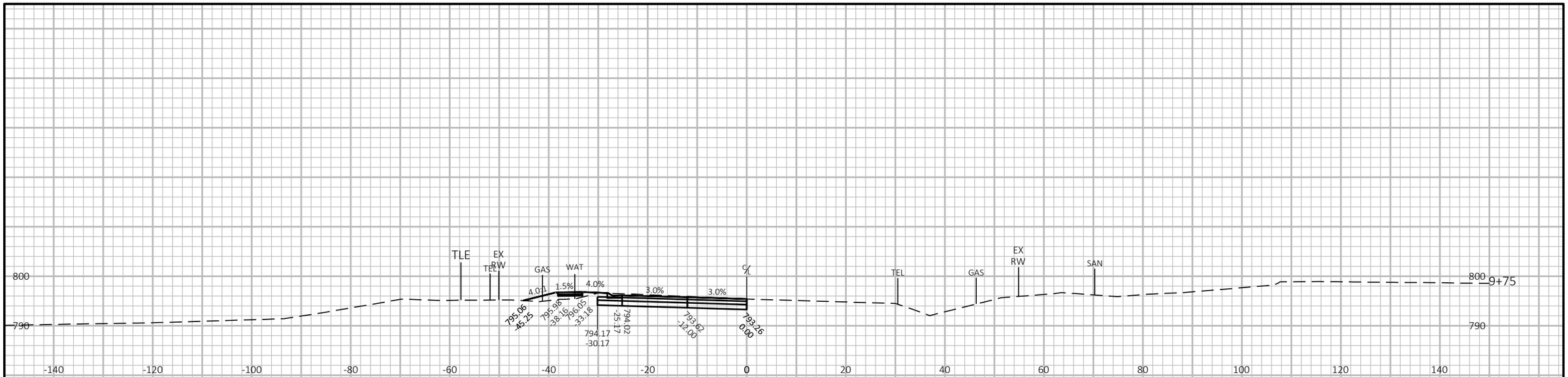
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(5)

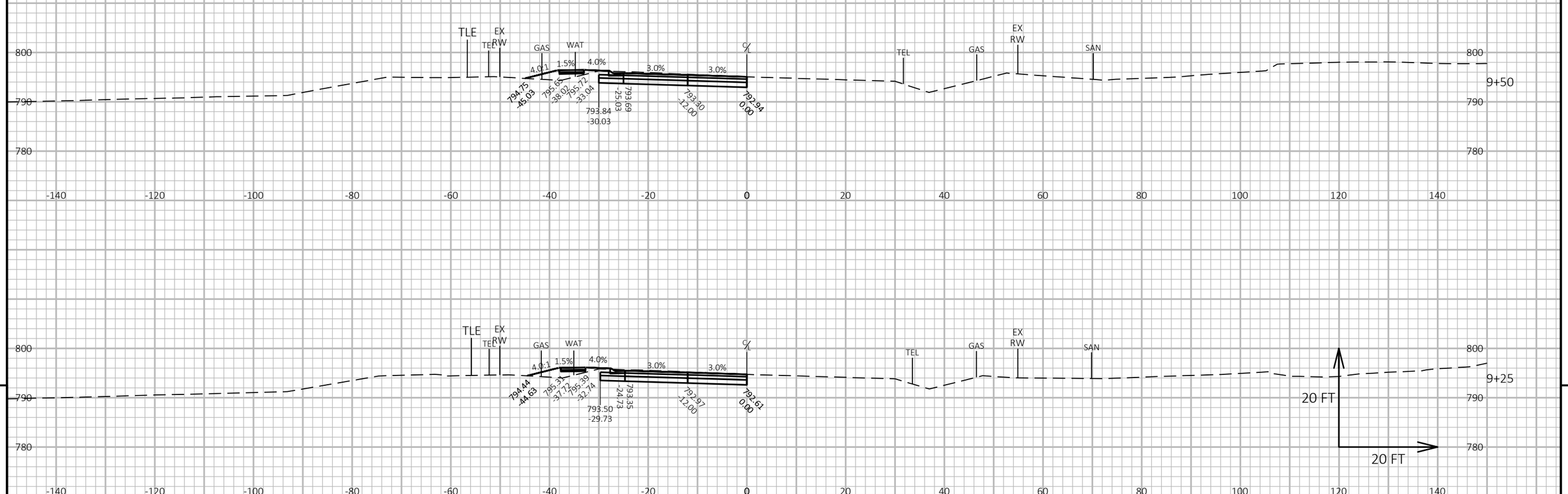
PLOT DATE : 7/20/2020 6:22 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 541	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(6)

PLOT DATE : 7/20/2020 6:22 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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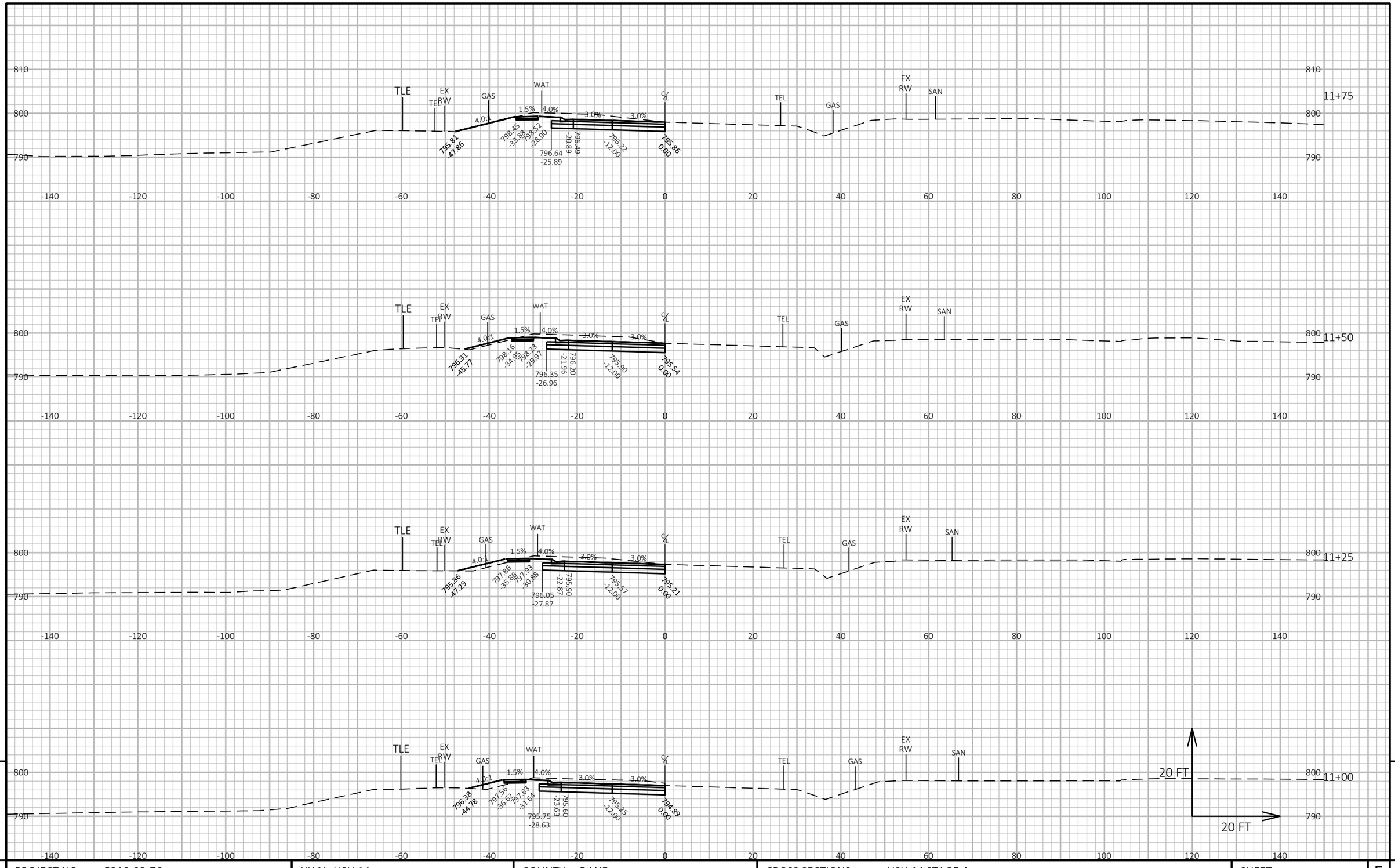
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 542	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(7)

PLOT DATE : 7/20/2020 6:22 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 543	E

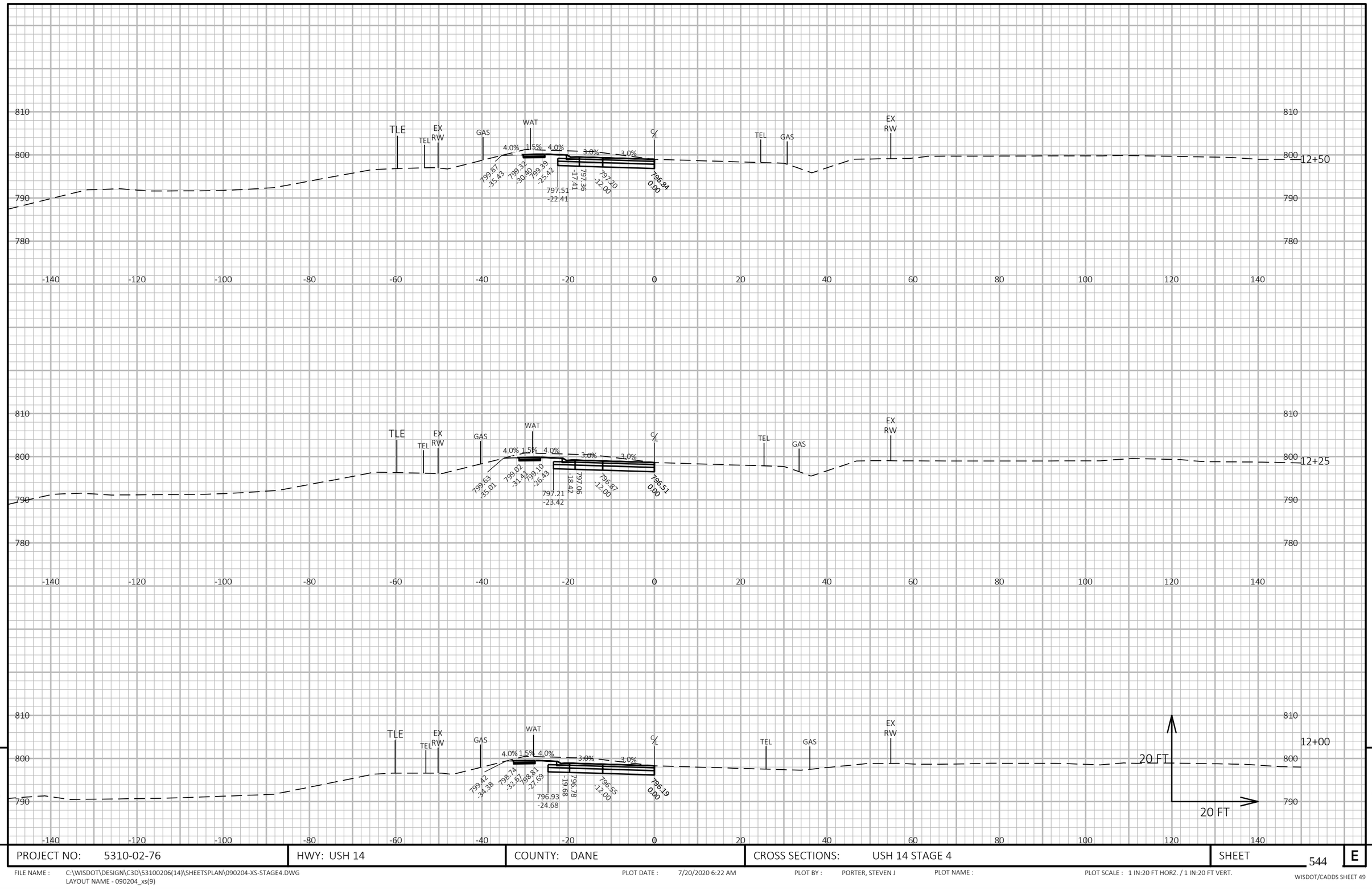
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(8)

PLOT DATE : 7/20/2020 6:22 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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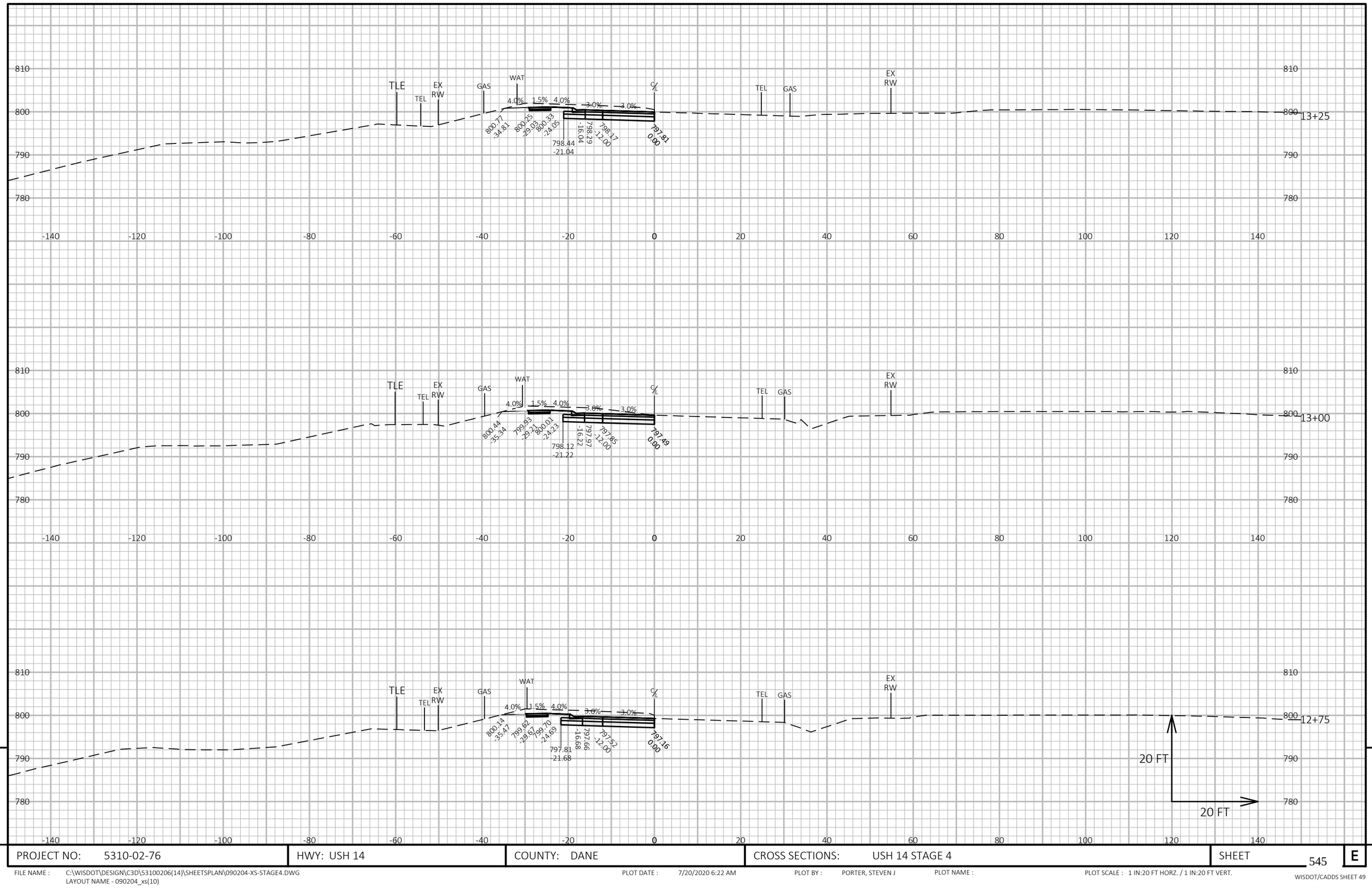
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 544	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(9)

PLOT DATE : 7/20/2020 6:22 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

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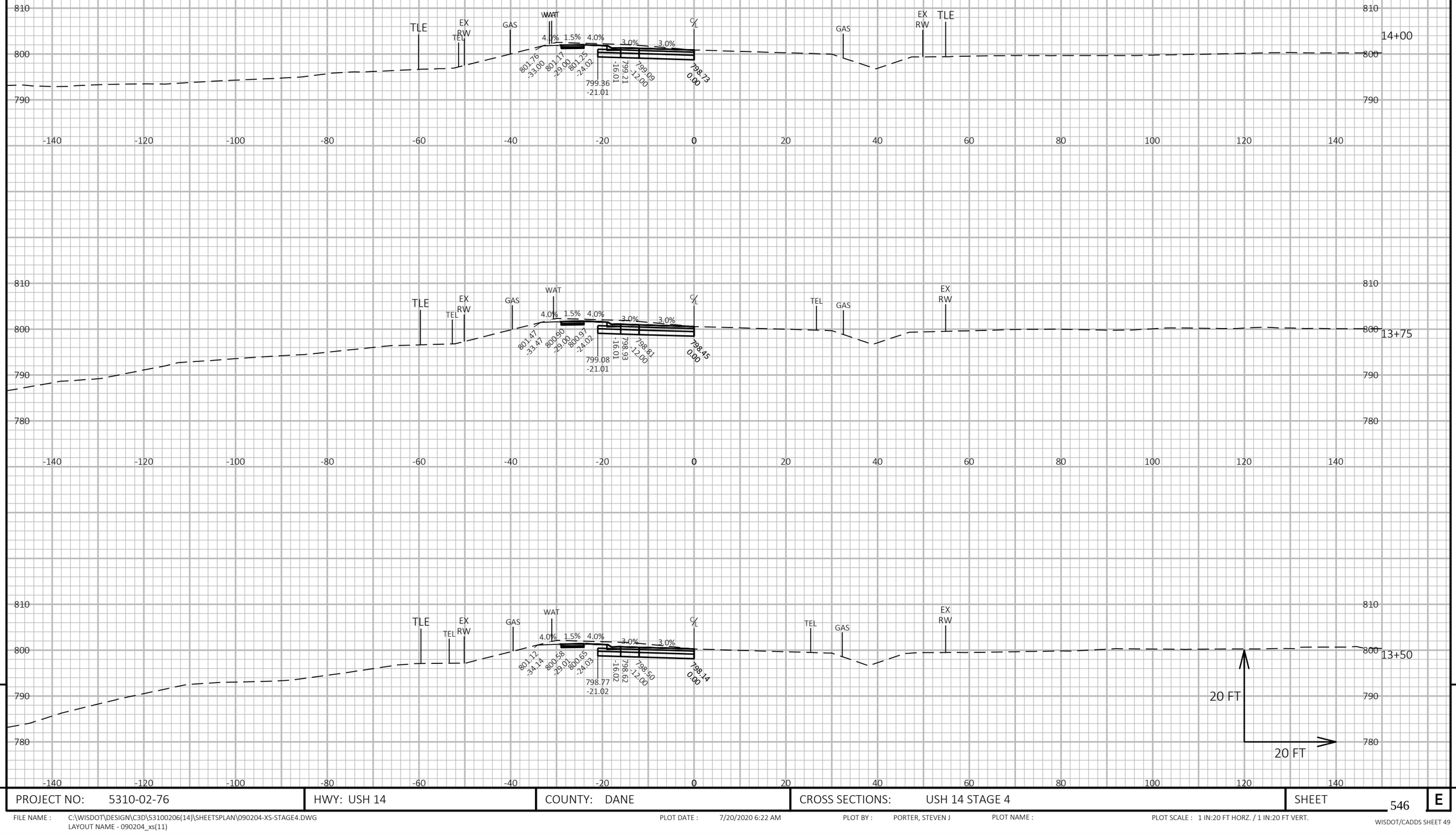
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 545	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(10)

PLOT DATE : 7/20/2020 6:22 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 546	E

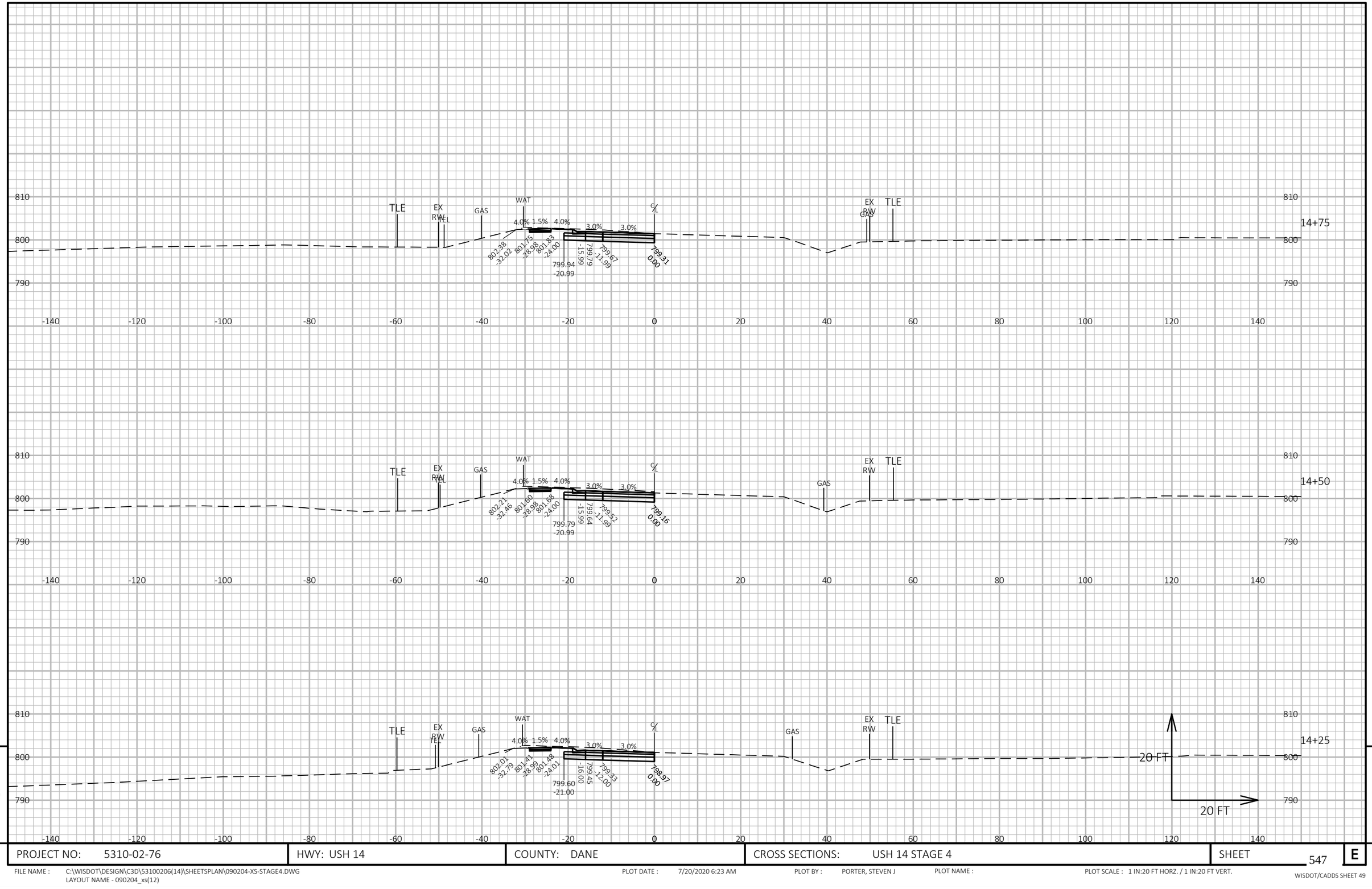
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(11)

PLOT DATE : 7/20/2020 6:22 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 547	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(12)

PLOT DATE : 7/20/2020 6:23 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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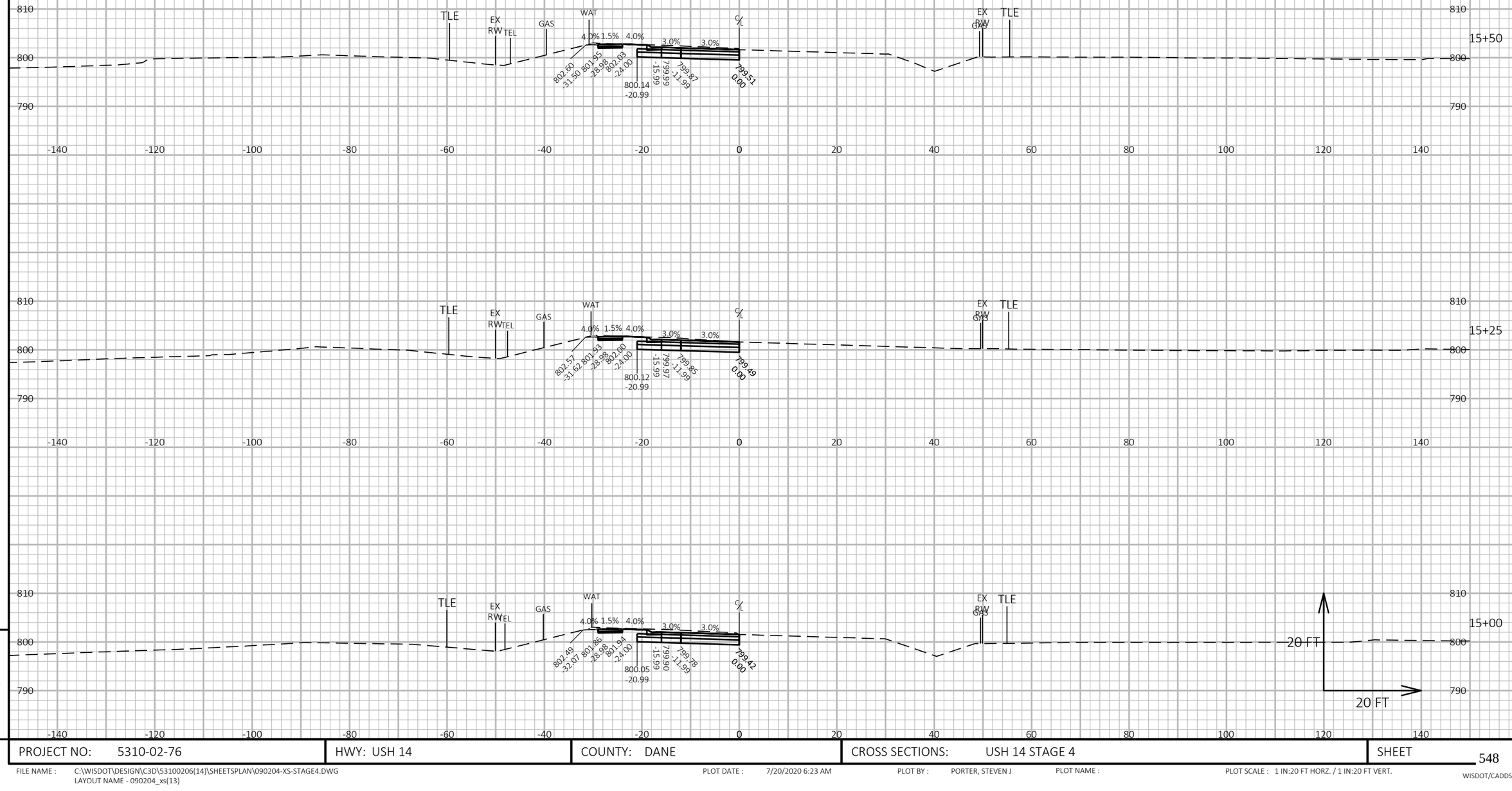

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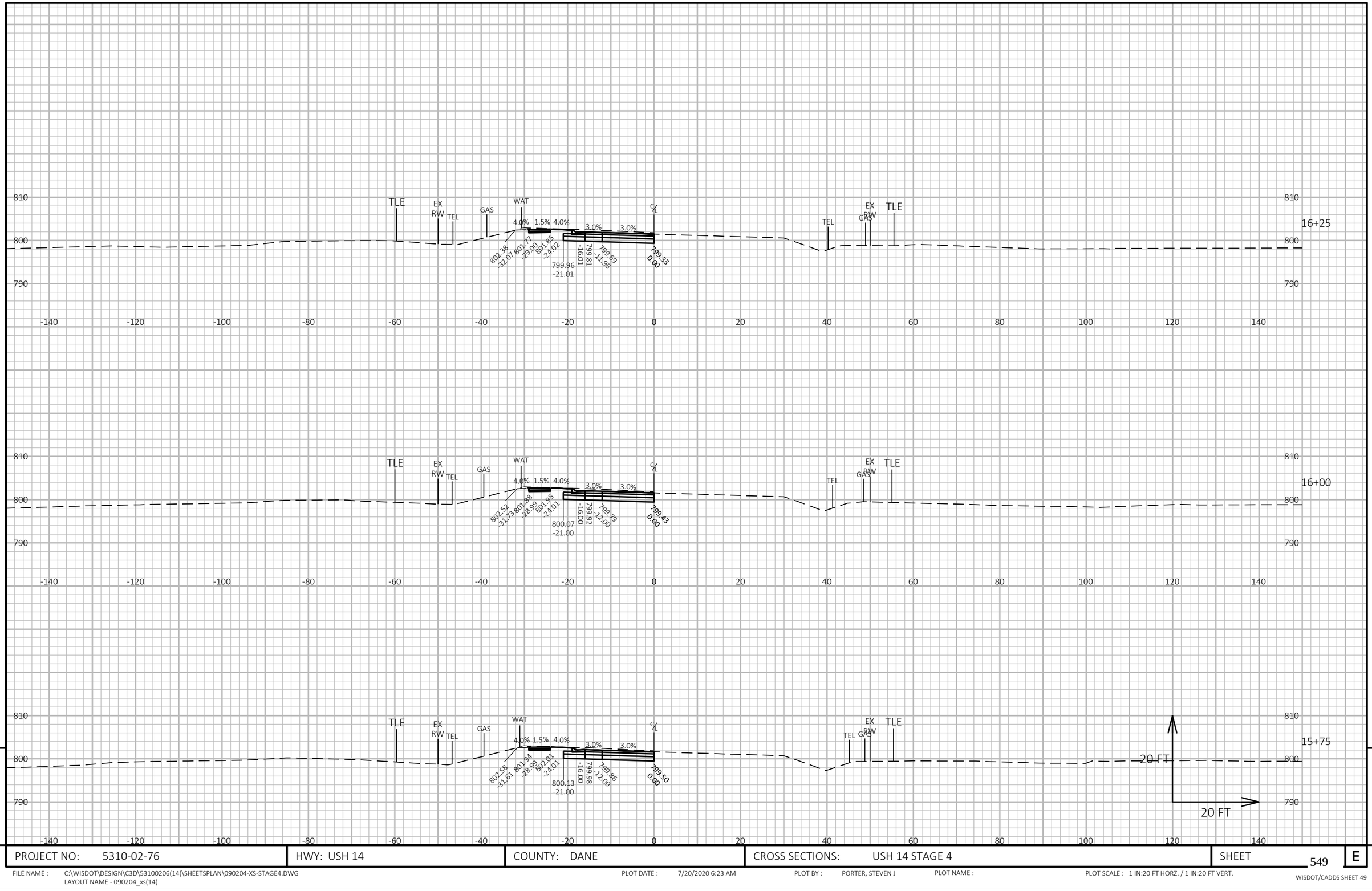
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 548	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(13)
PLOT DATE : 7/20/2020 6:23 AM
PLOT BY : PORTER, STEVEN J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 549	E

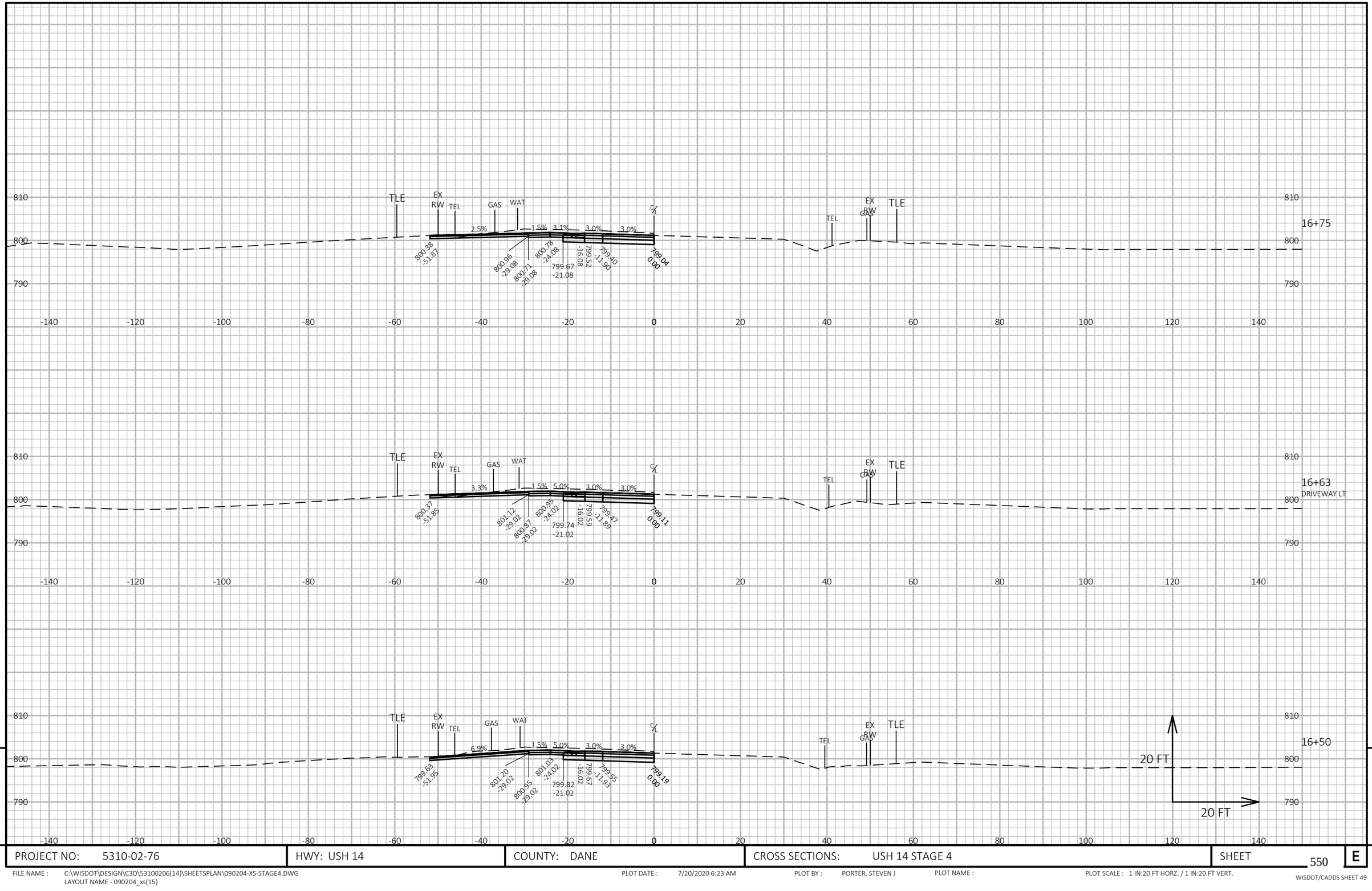
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(14)

PLOT DATE : 7/20/2020 6:23 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 550 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(15)

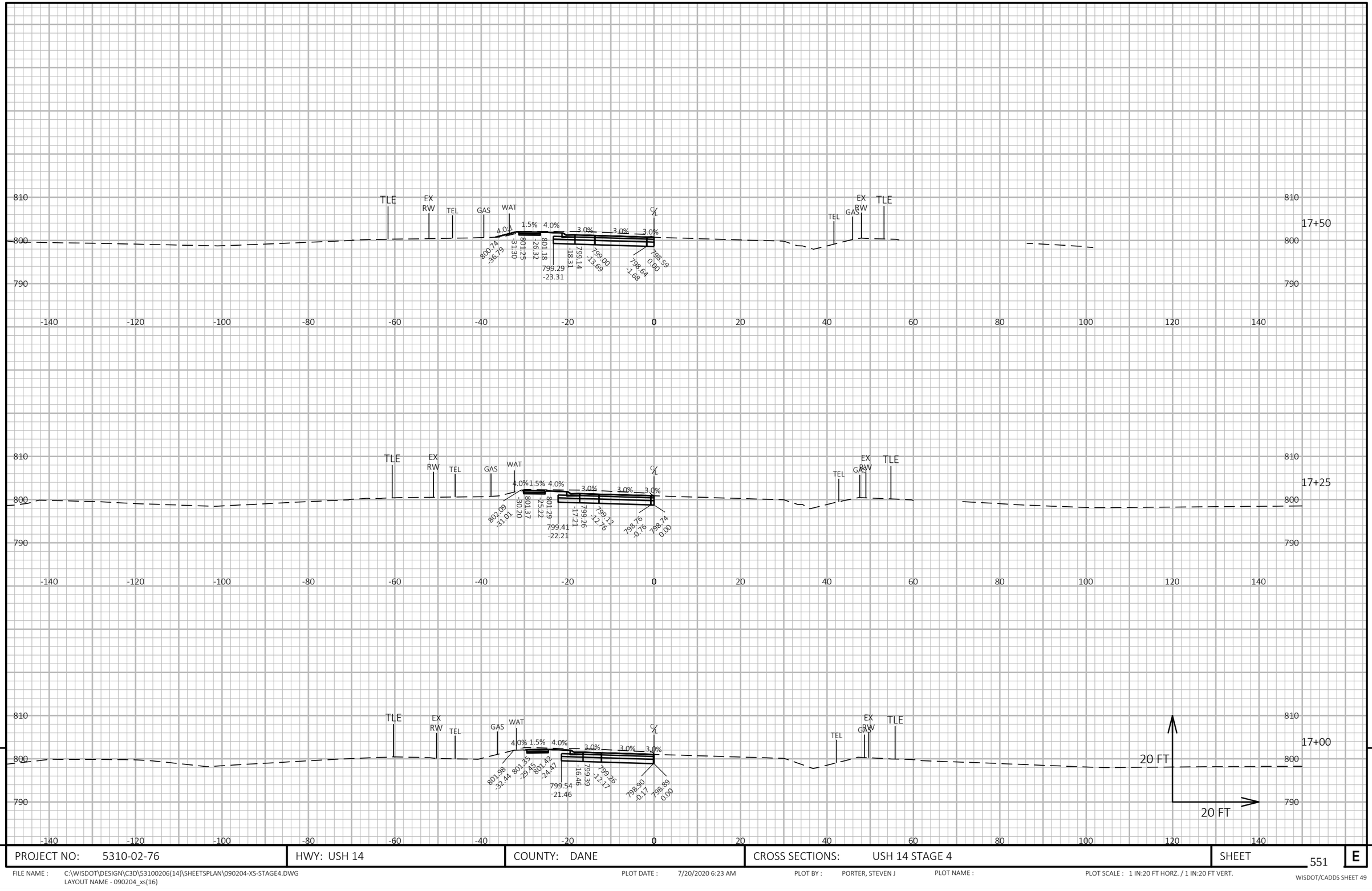
PLOT DATE : 7/20/2020 6:23 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 551 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(16)

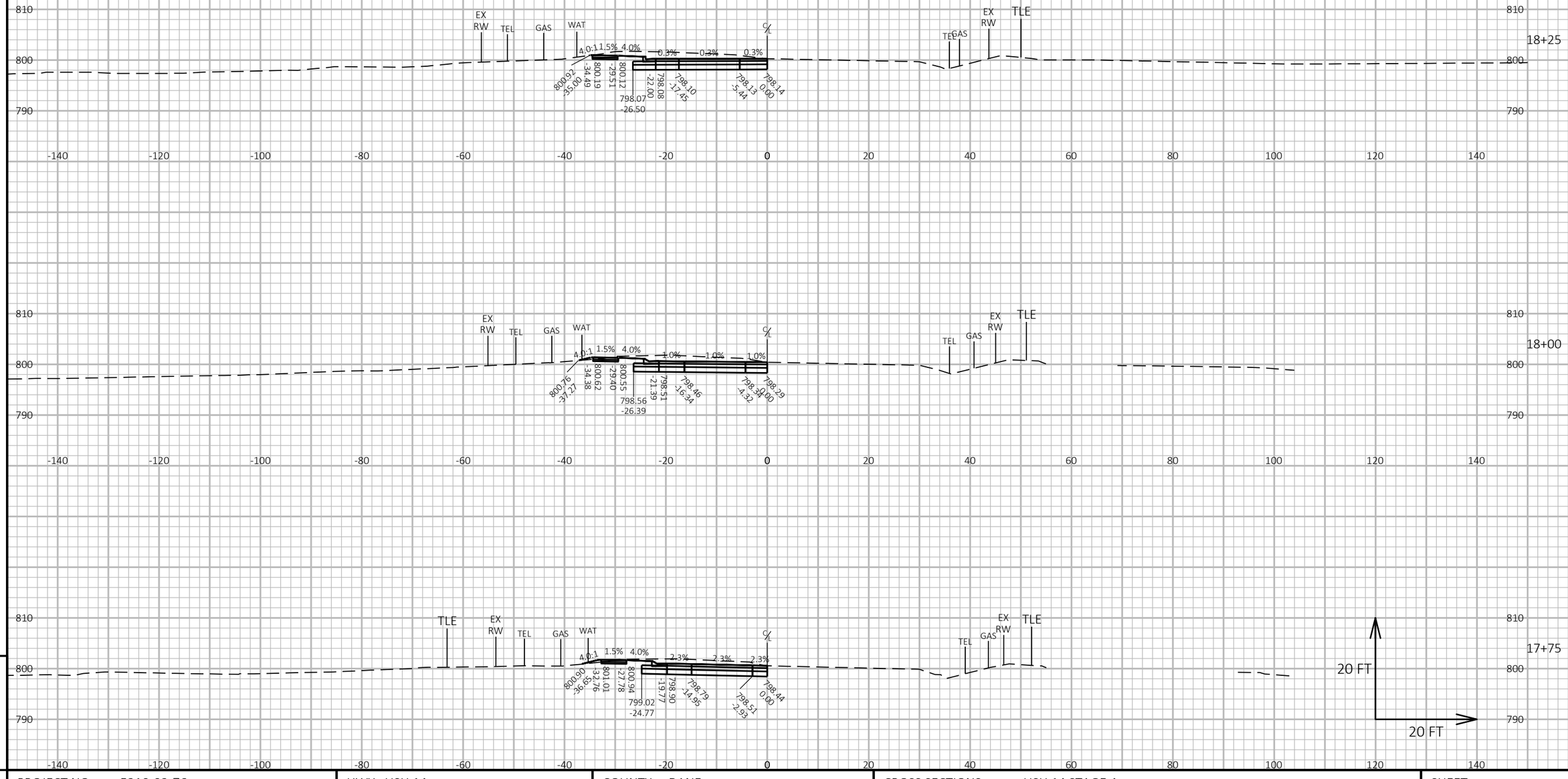
PLOT DATE : 7/20/2020 6:23 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 552	E

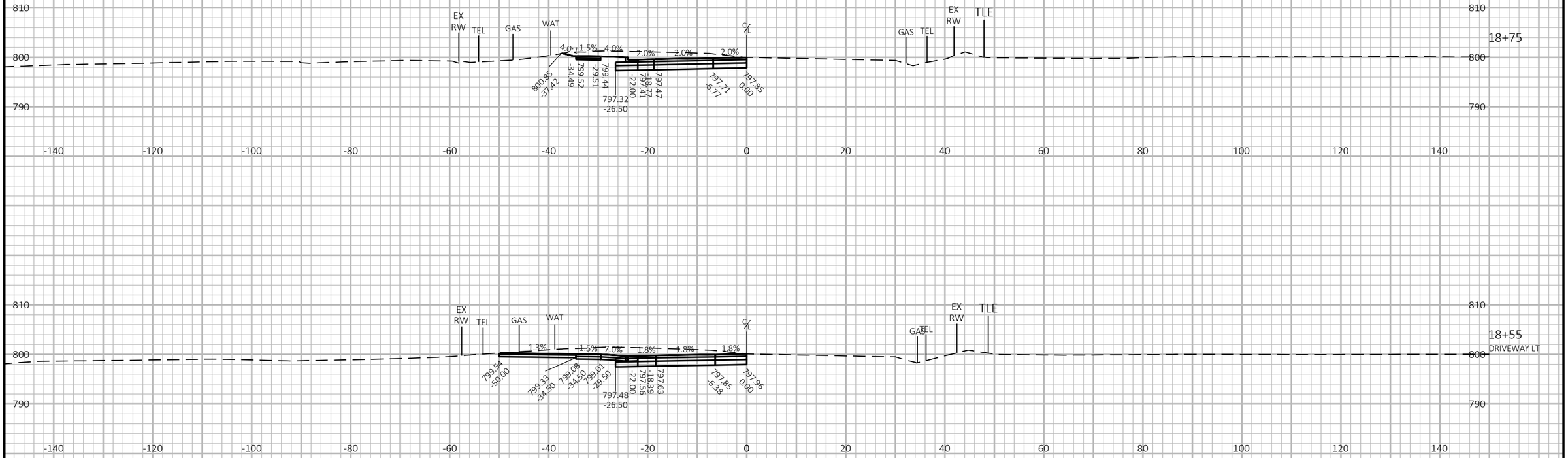
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(17)

PLOT DATE : 7/20/2020 6:23 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 553	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(18)

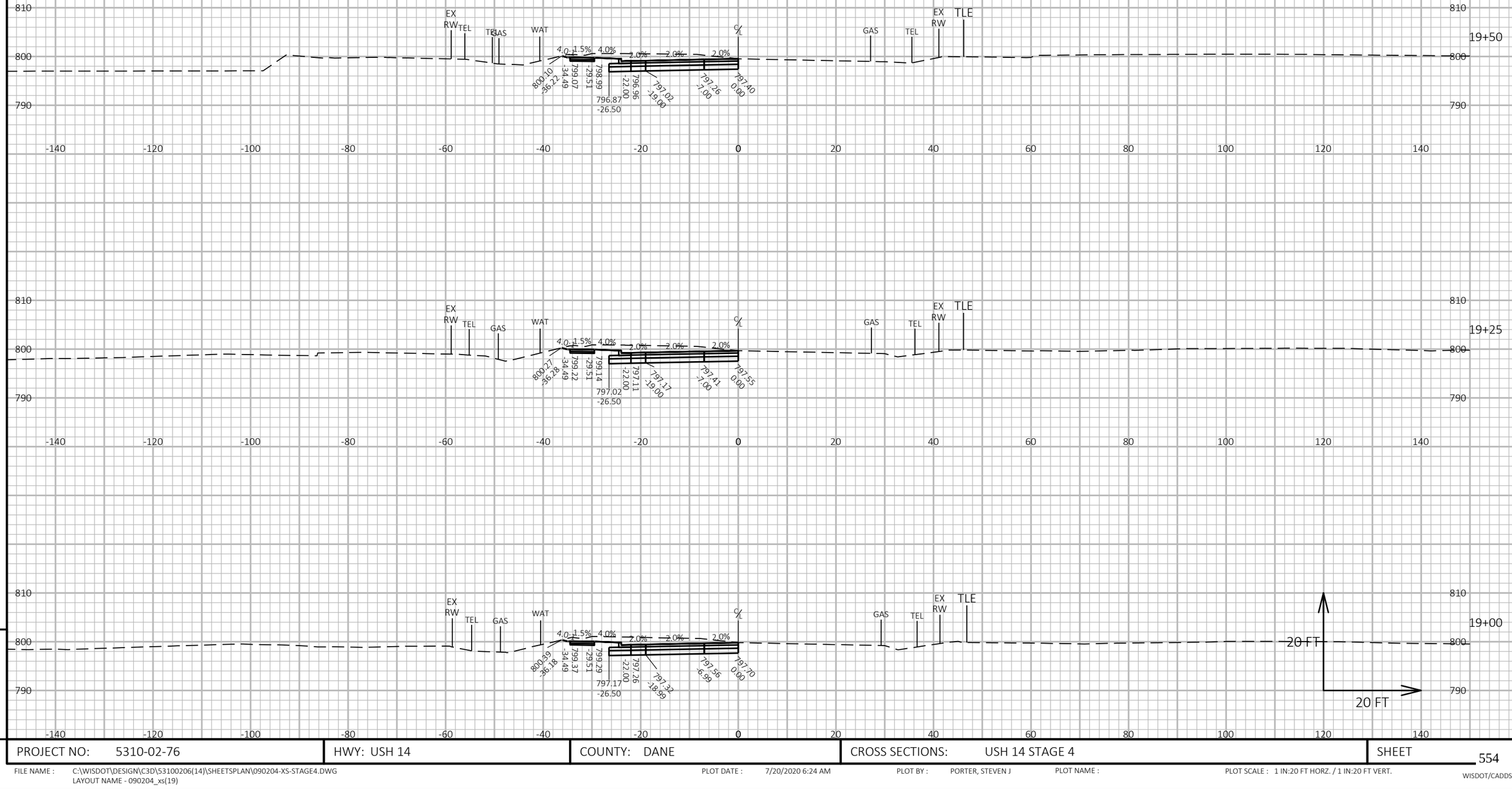
PLOT DATE : 7/20/2020 6:24 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 554	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(19)

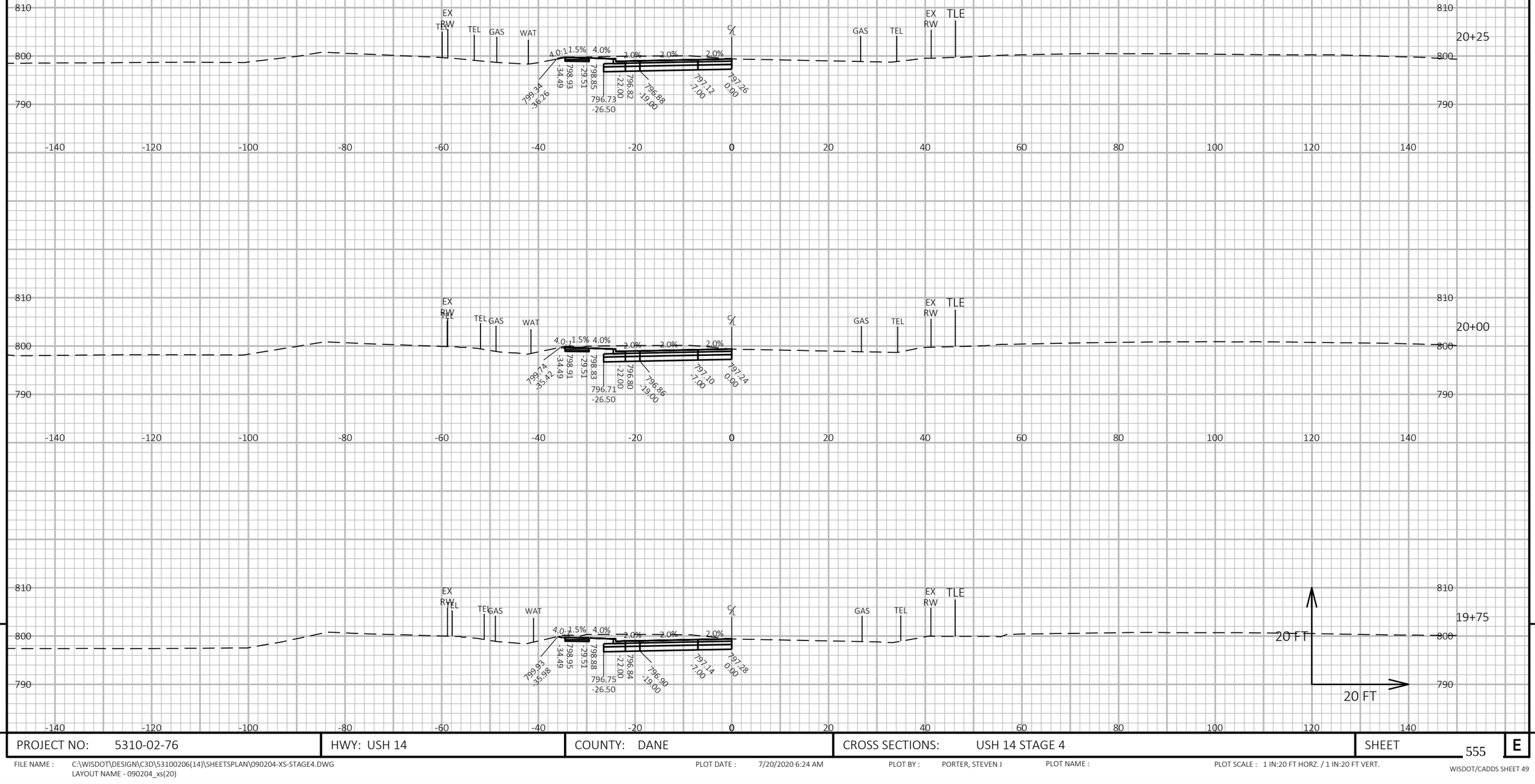
PLOT DATE : 7/20/2020 6:24 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

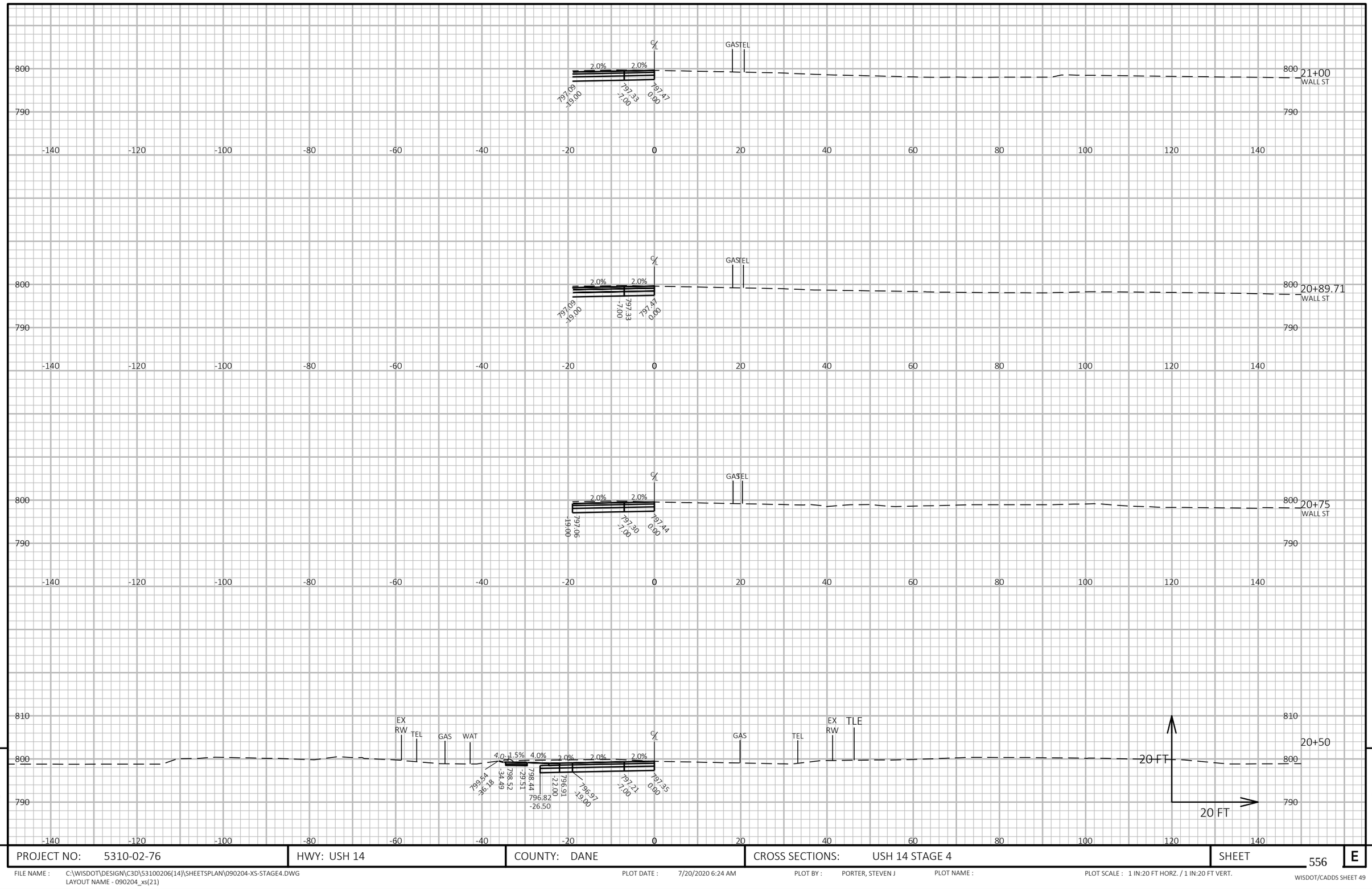


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 555	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(20)

PLOT DATE : 7/20/2020 6:24 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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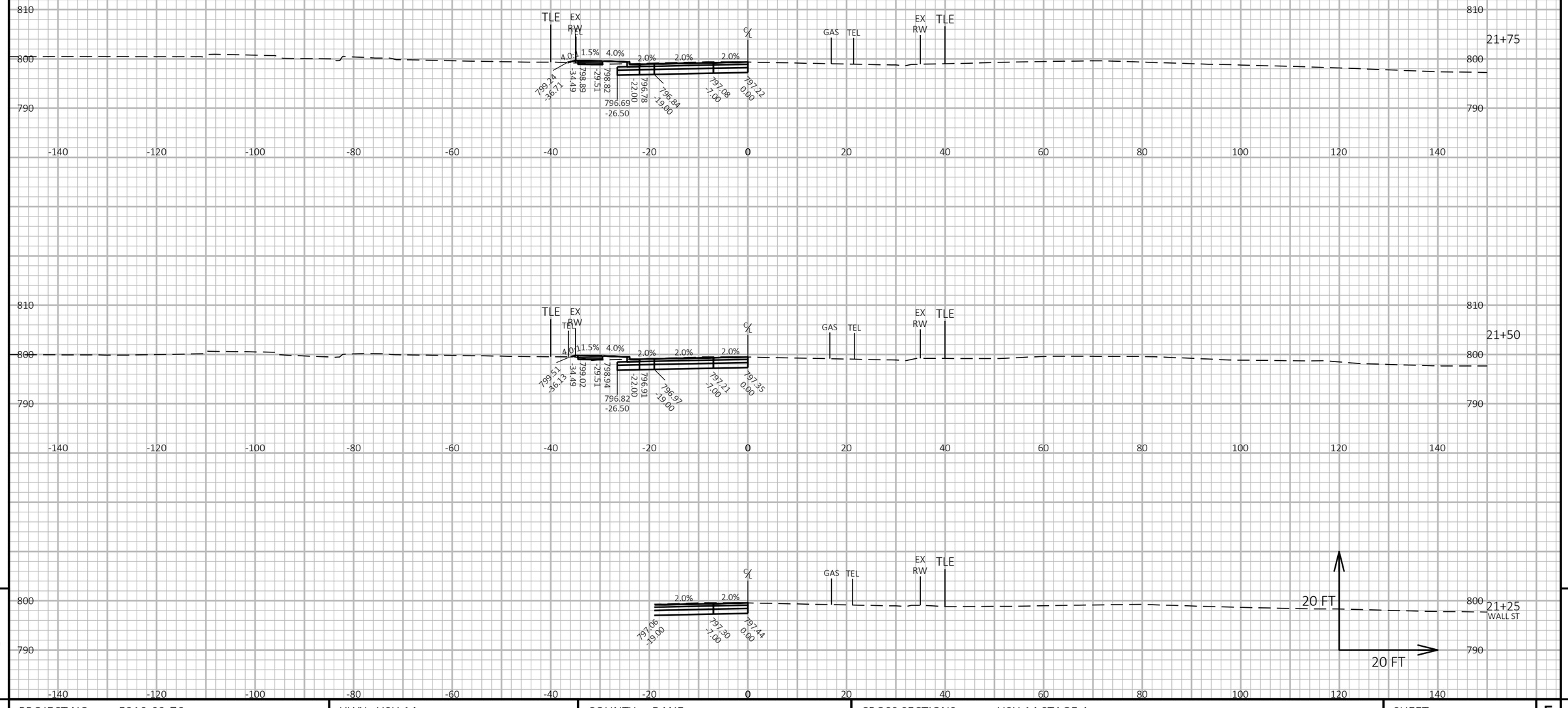
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 556	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(21)

PLOT DATE : 7/20/2020 6:24 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 557	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(22)

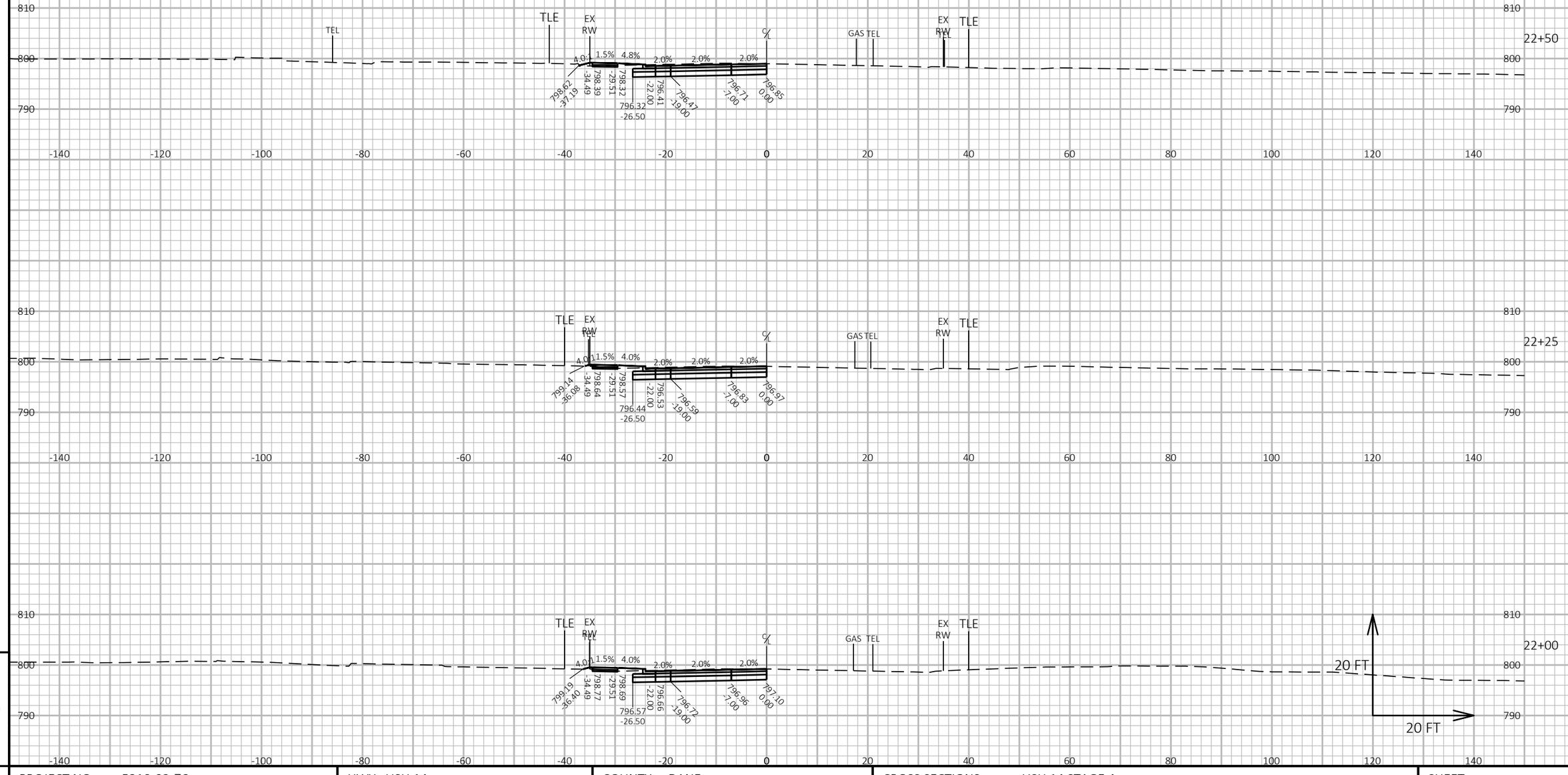
PLOT DATE : 7/20/2020 6:24 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

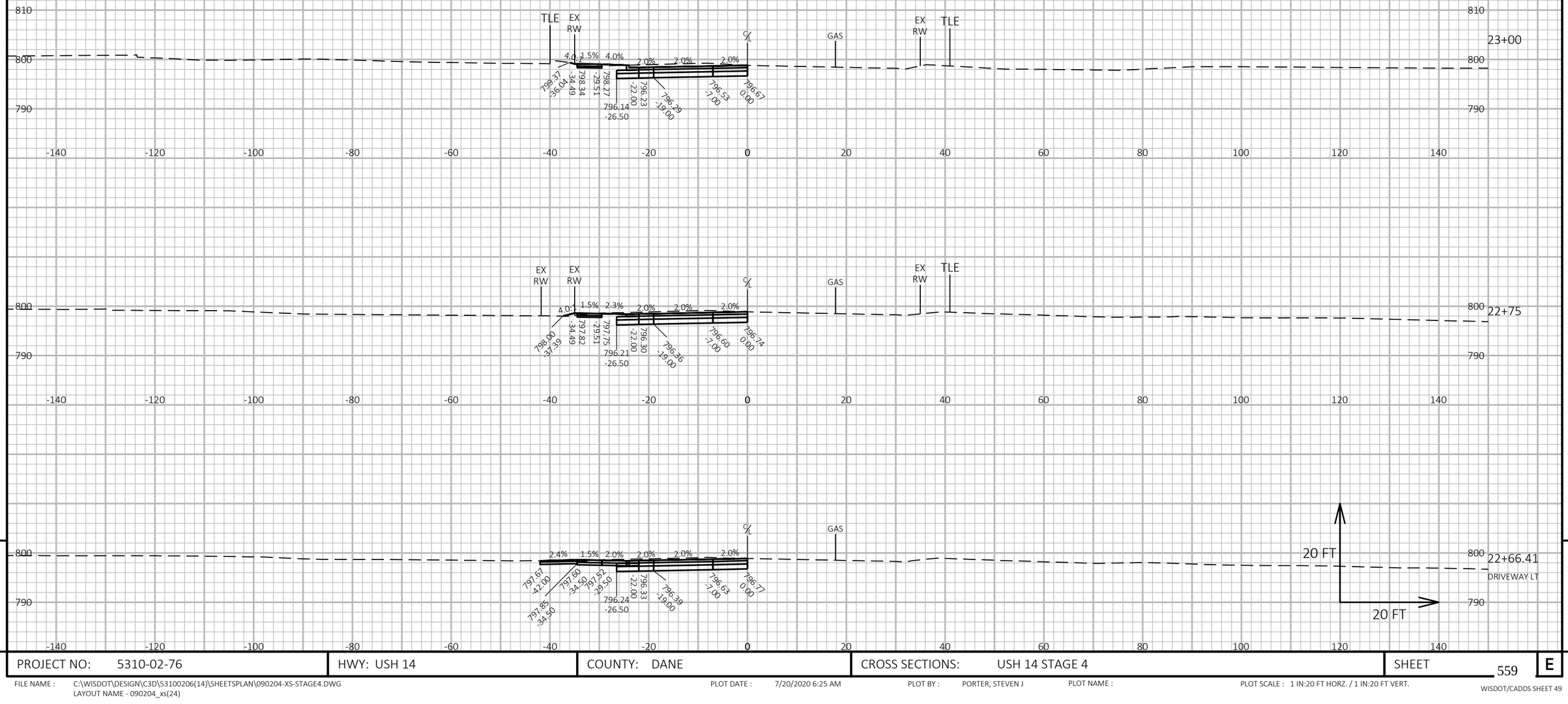


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 558 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(23)

PLOT DATE : 7/20/2020 6:24 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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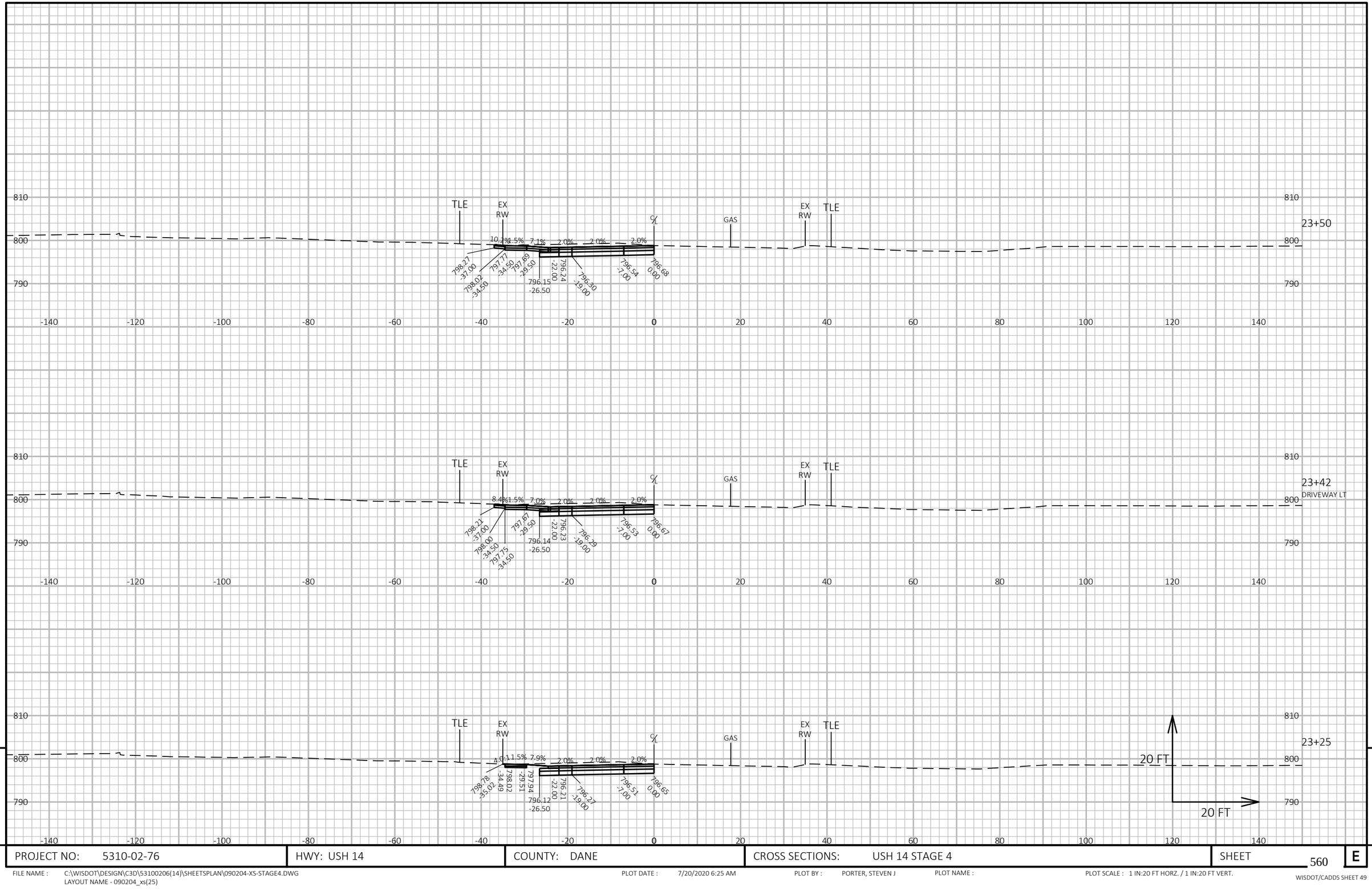
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 559	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(24)

PLOT DATE : 7/20/2020 6:25 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

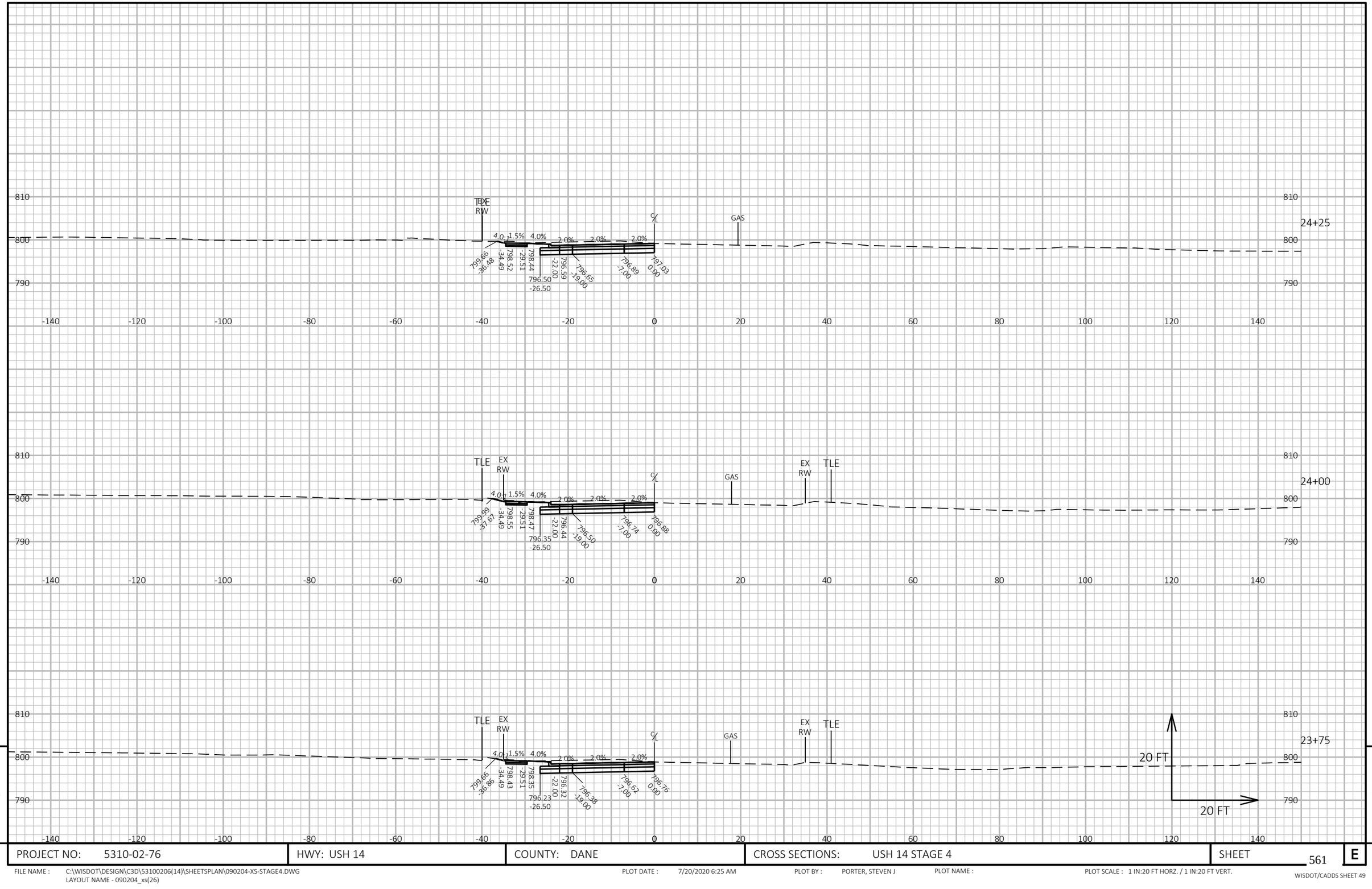


PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 560 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(25)

PLOT DATE : 7/20/2020 6:25 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 561	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(26)

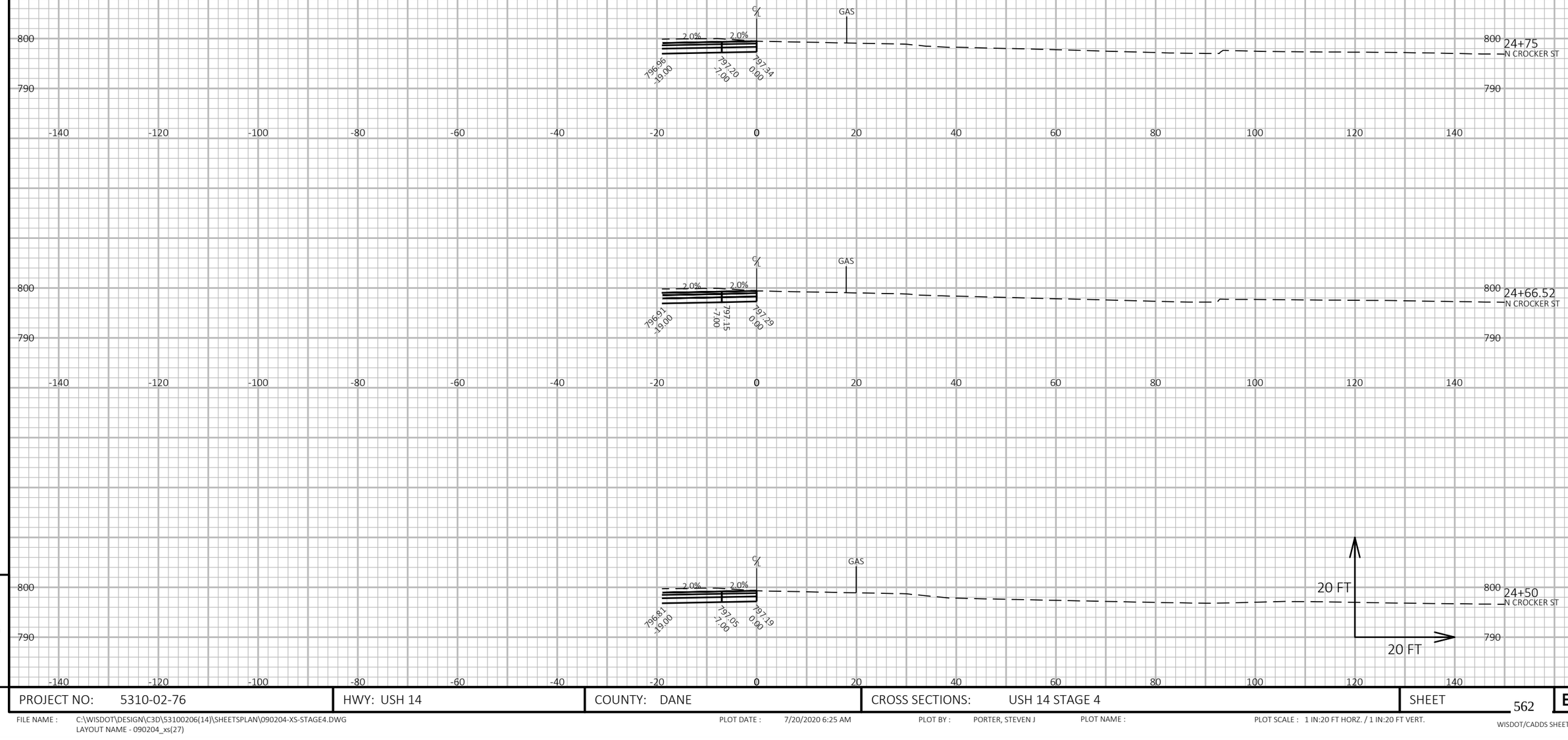
PLOT DATE : 7/20/2020 6:25 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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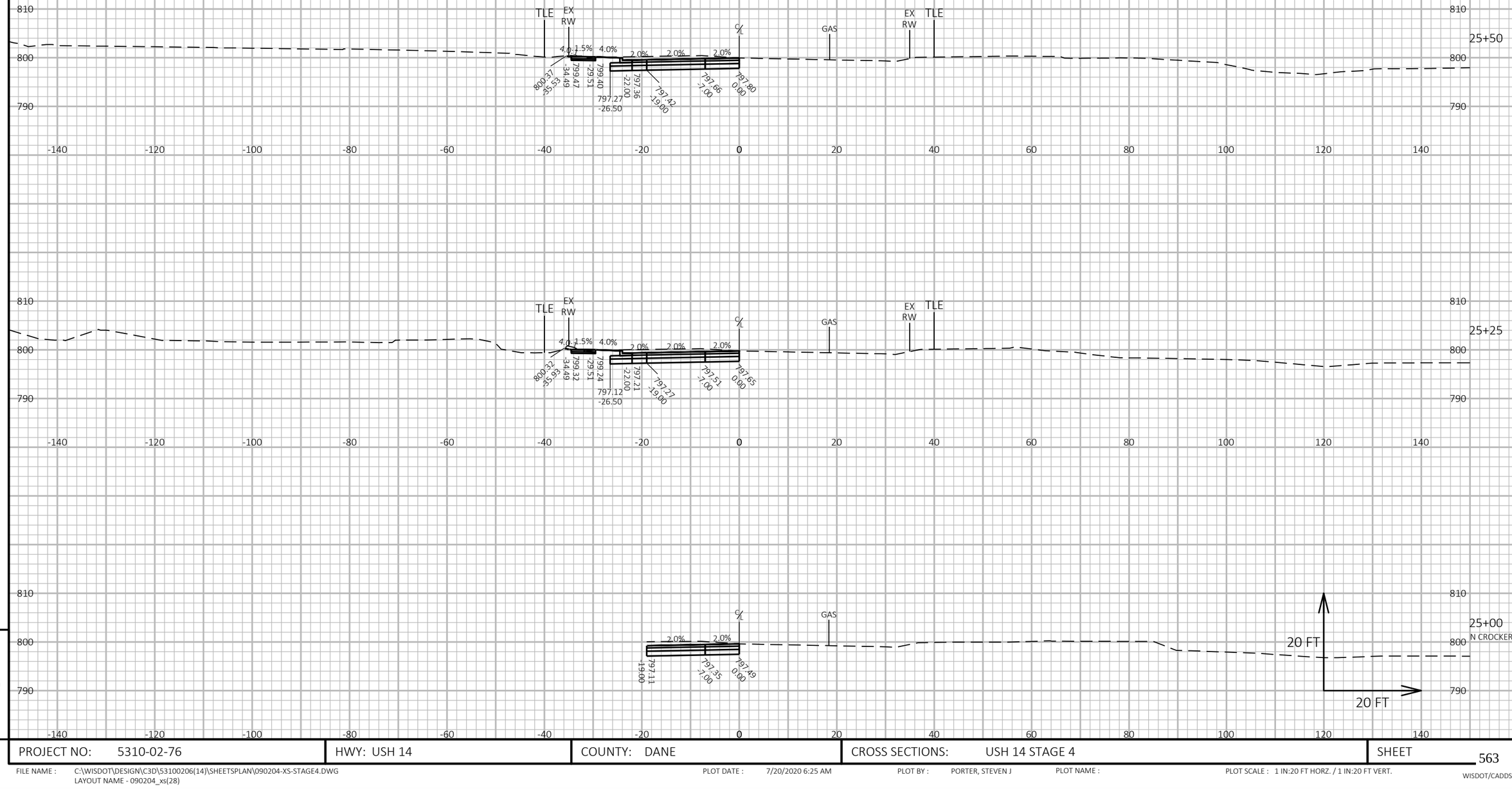
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 562	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(27)

PLOT DATE : 7/20/2020 6:25 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 563	E

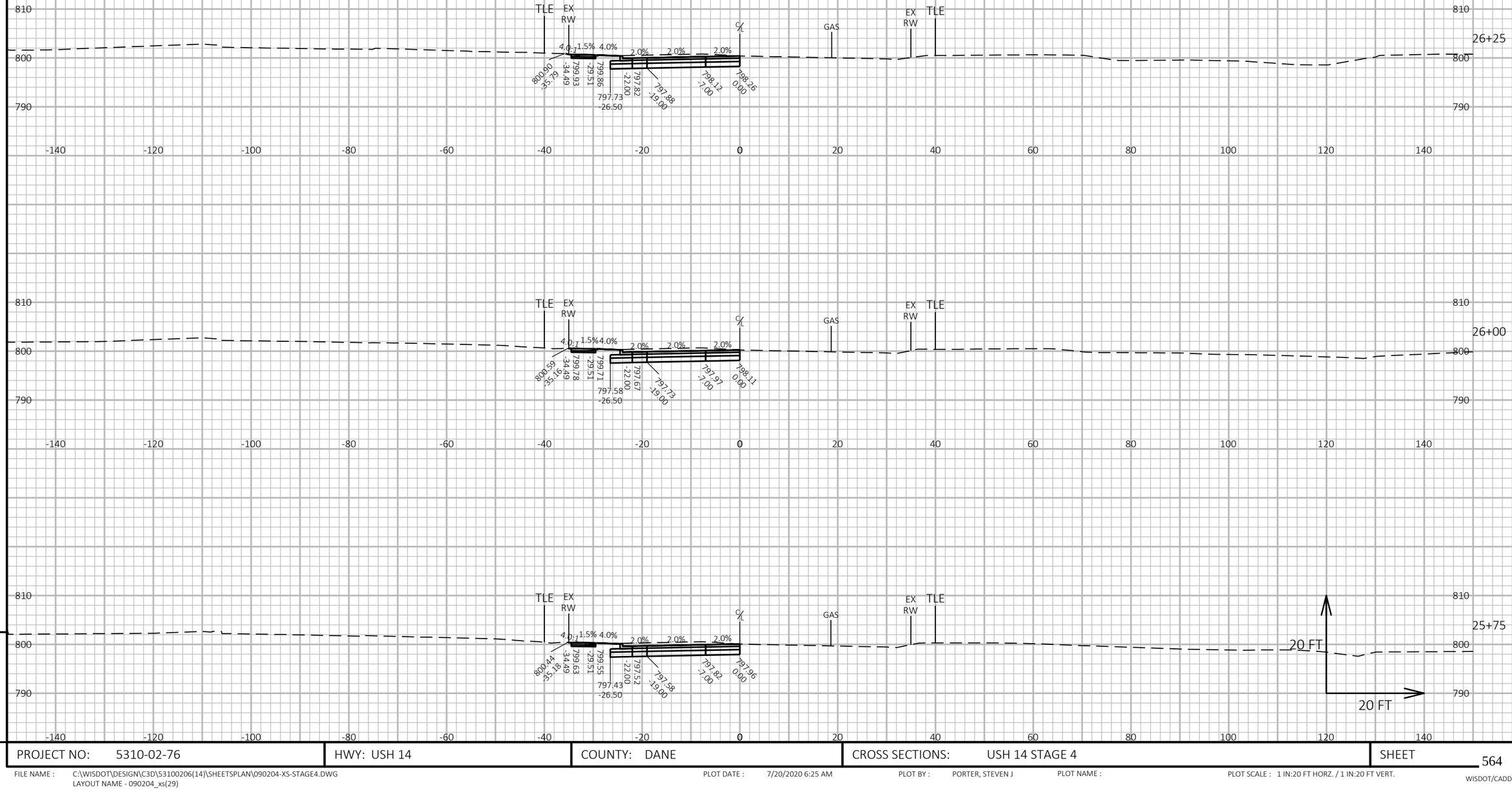
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(28)

PLOT DATE : 7/20/2020 6:25 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 564	E

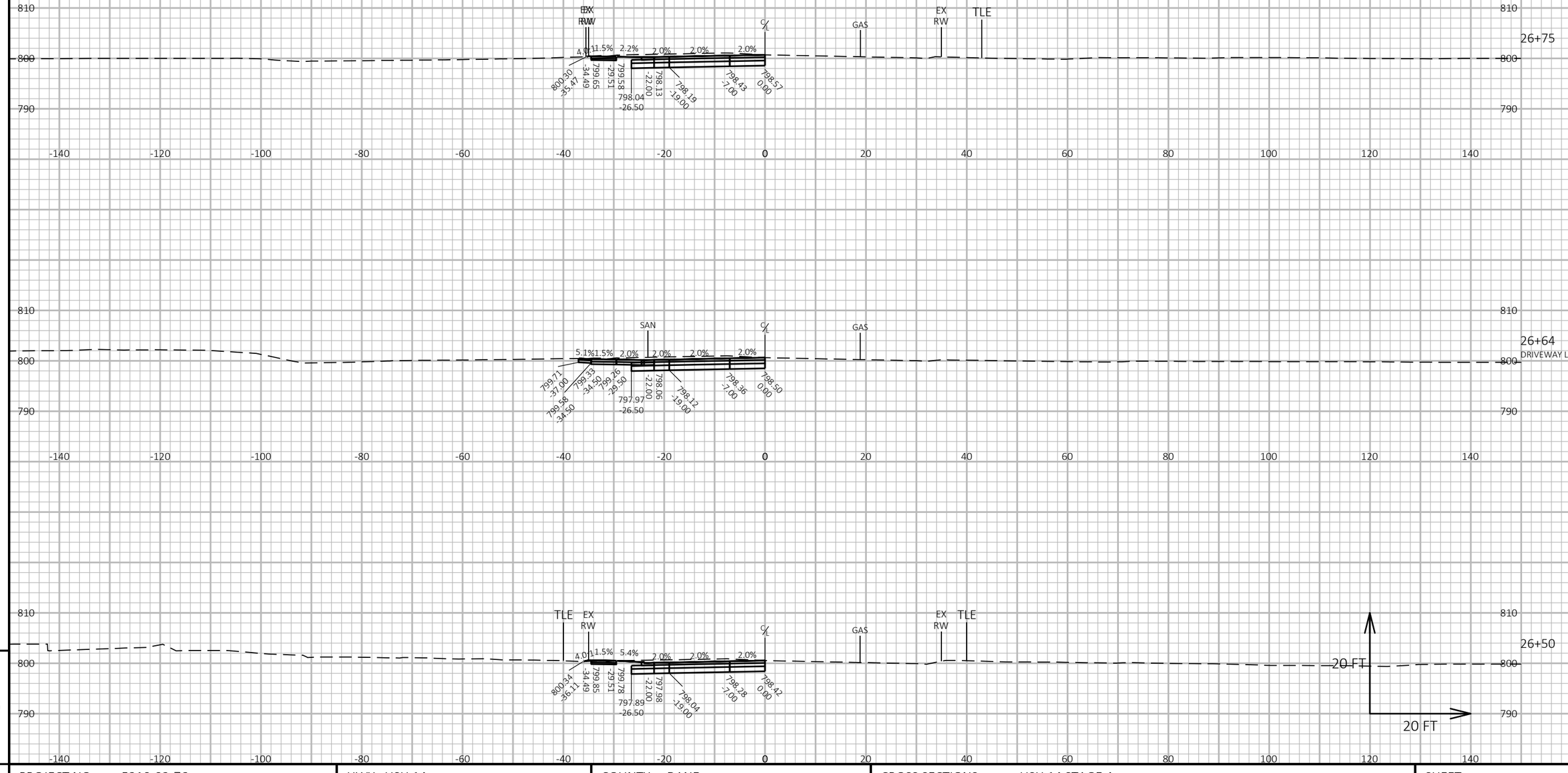
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(29)

PLOT DATE : 7/20/2020 6:25 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 565	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(30)

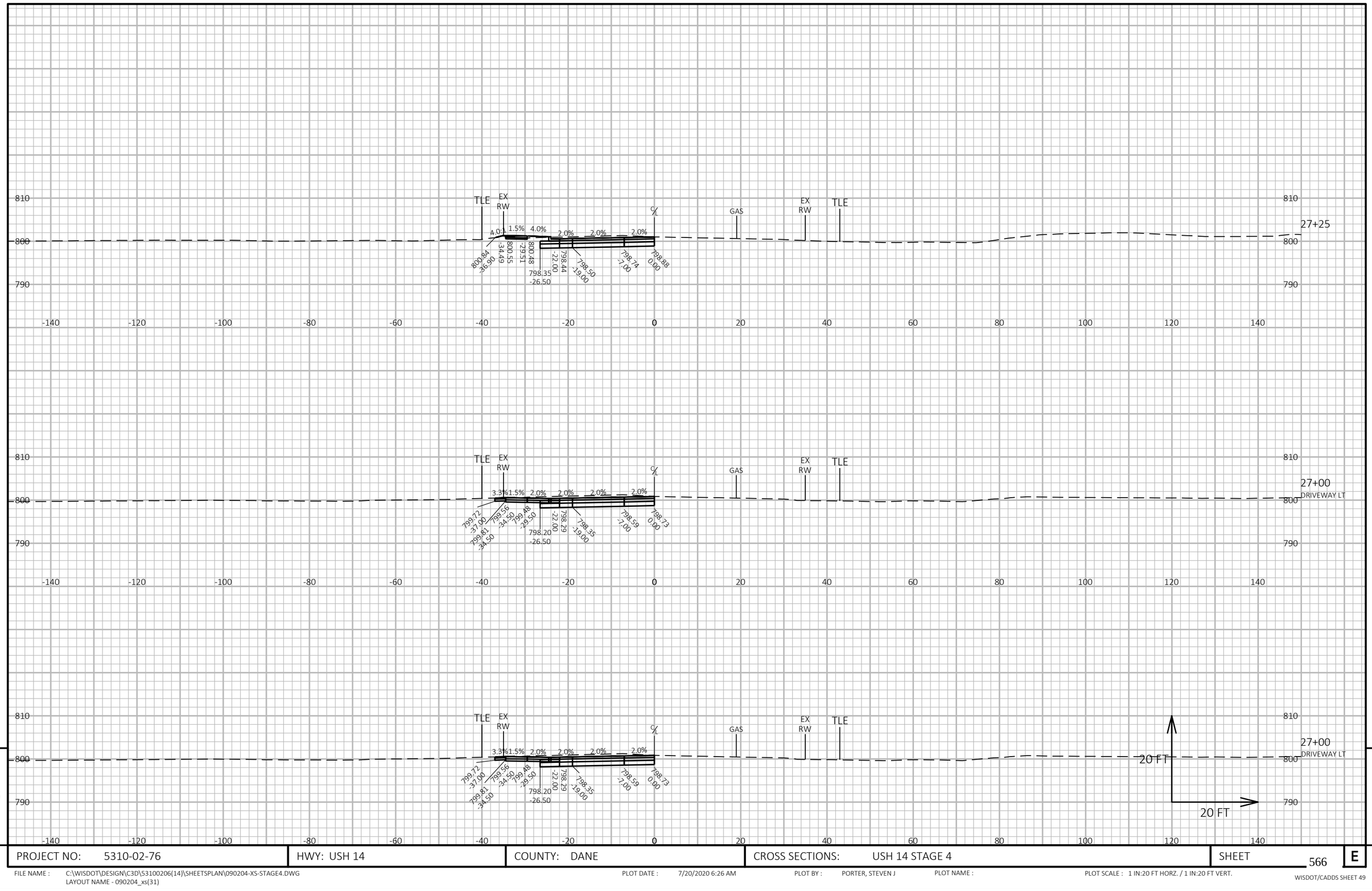
PLOT DATE : 7/20/2020 6:26 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 566	E

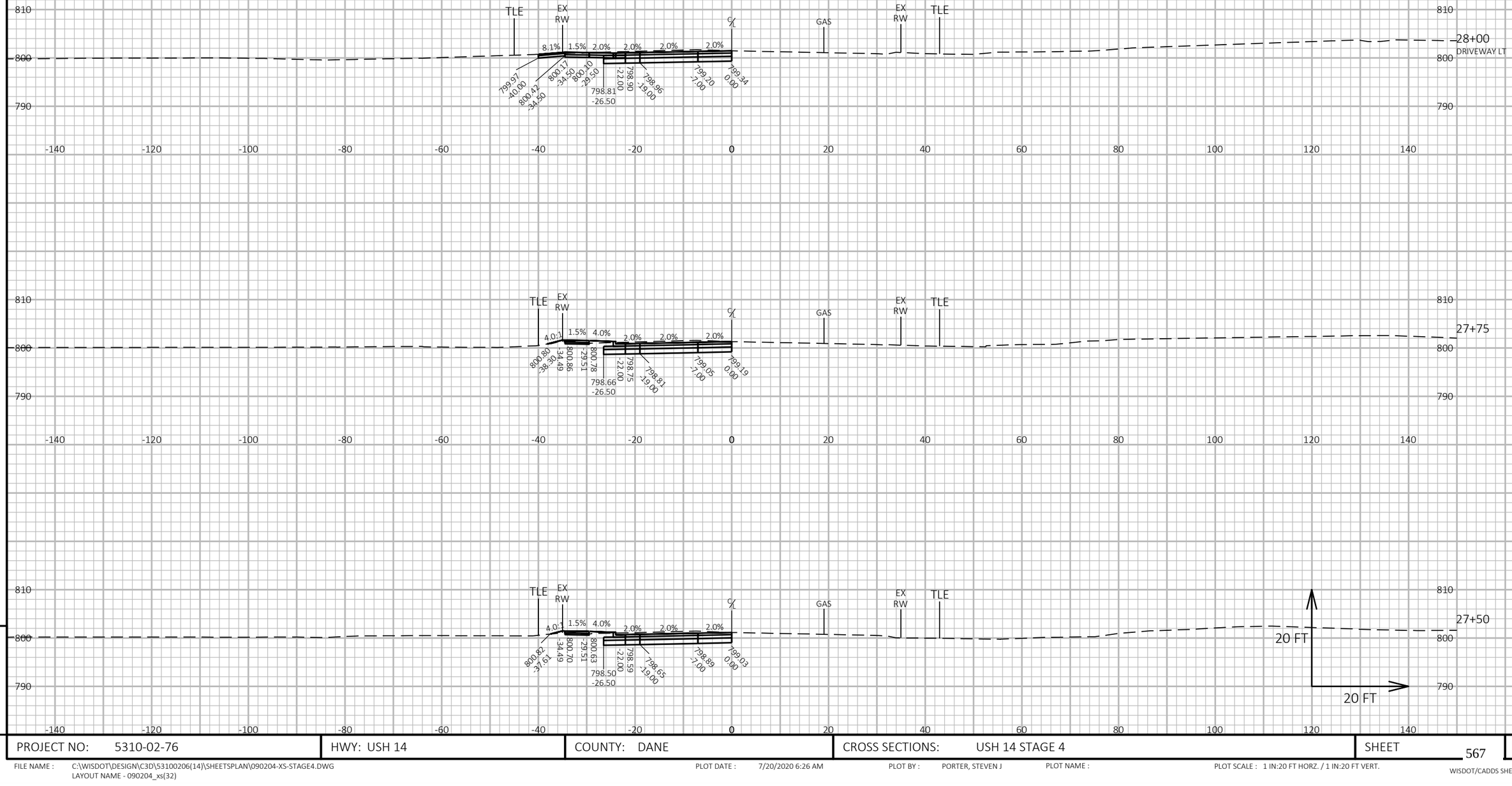
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(31)

PLOT DATE : 7/20/2020 6:26 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 567 E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(32)

PLOT DATE : 7/20/2020 6:26 AM

PLOT BY : PORTER, STEVEN J

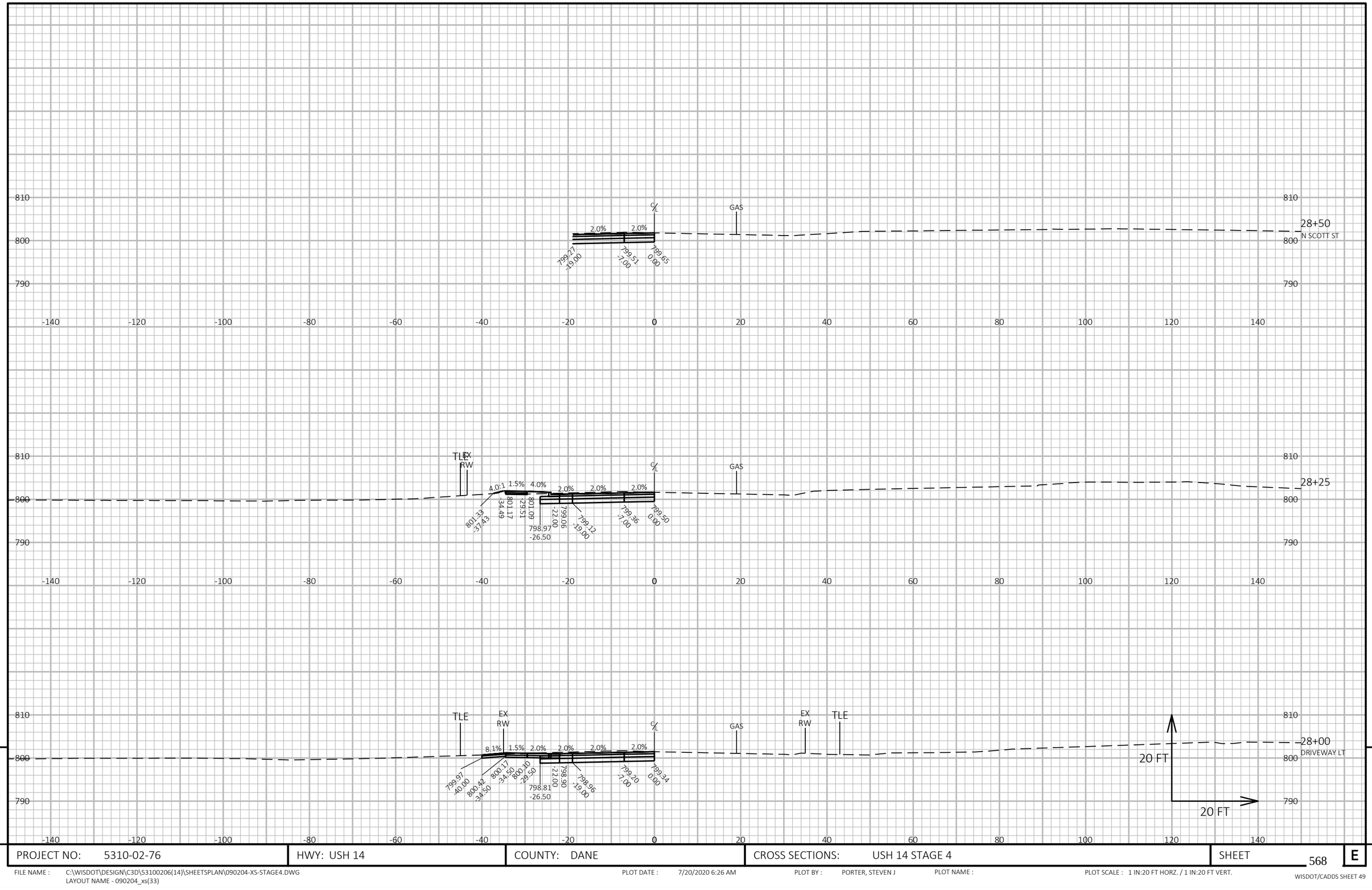
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 568	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(33)

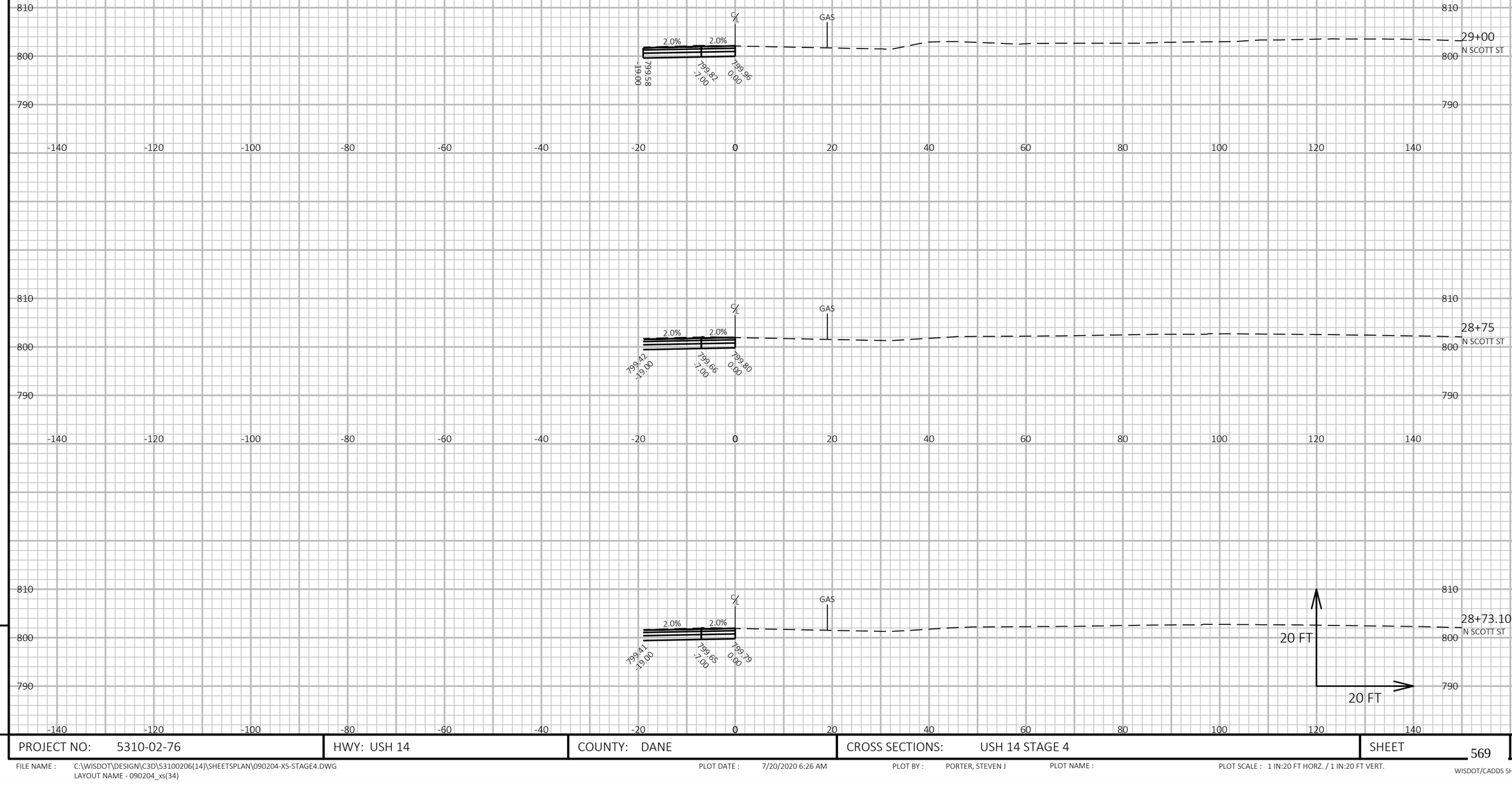
PLOT DATE : 7/20/2020 6:26 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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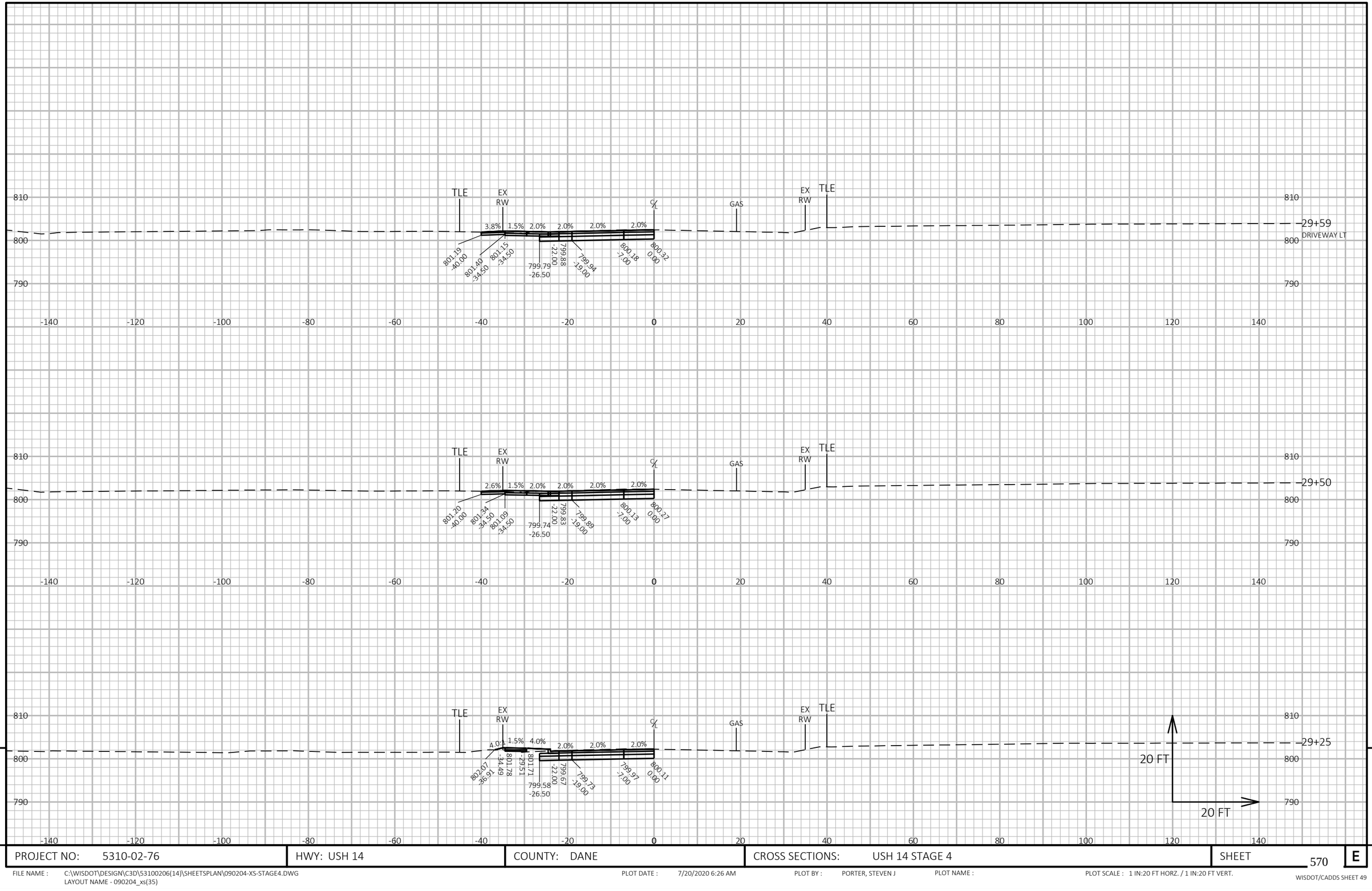
9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 569	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(34)

PLOT DATE : 7/20/2020 6:26 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 570	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(35)

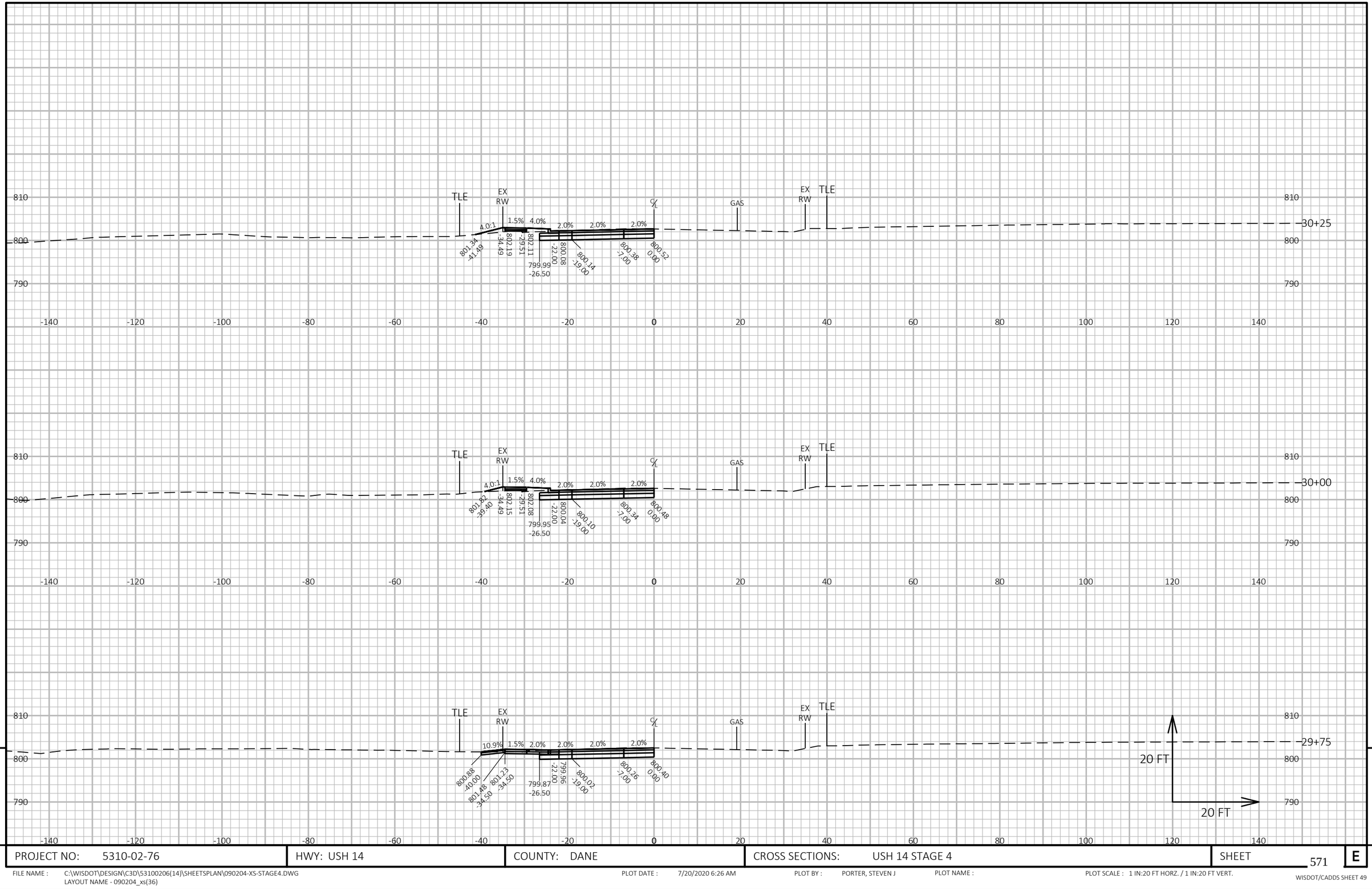
PLOT DATE : 7/20/2020 6:26 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 571	E

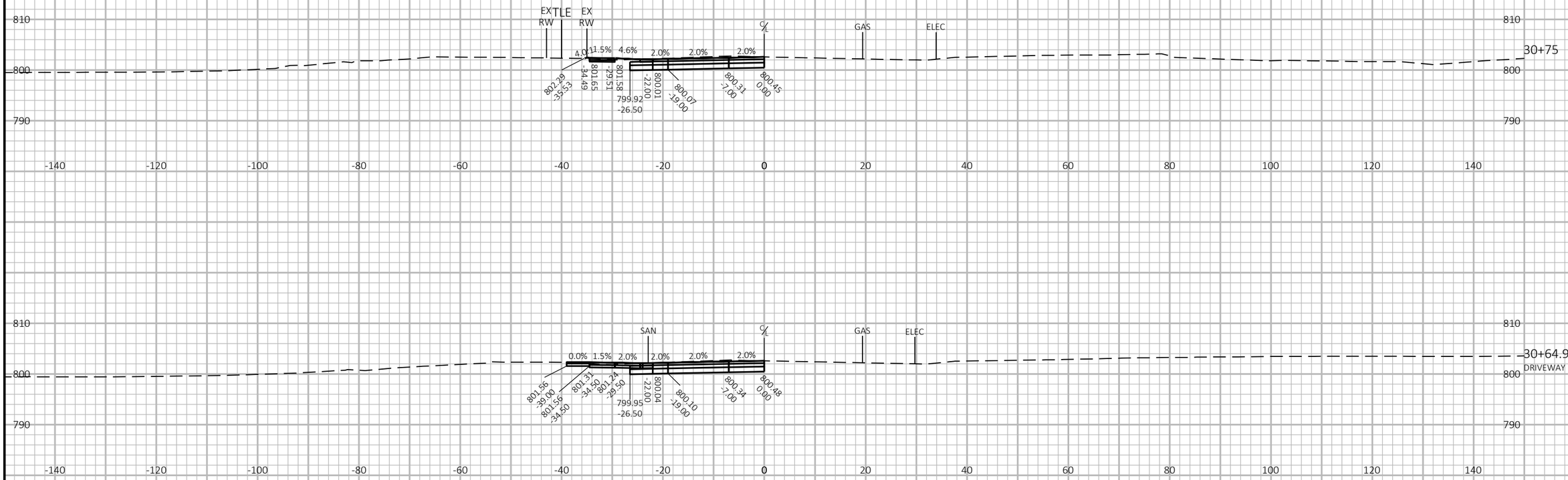
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(36)

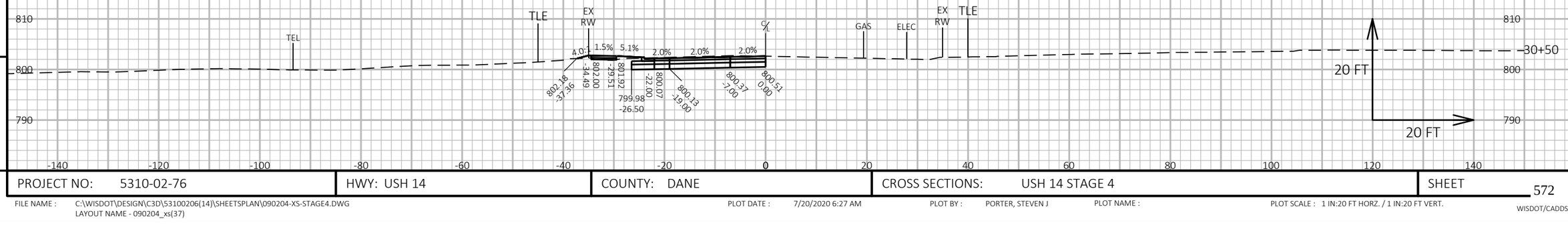
PLOT DATE : 7/20/2020 6:26 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.





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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 572	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(37)

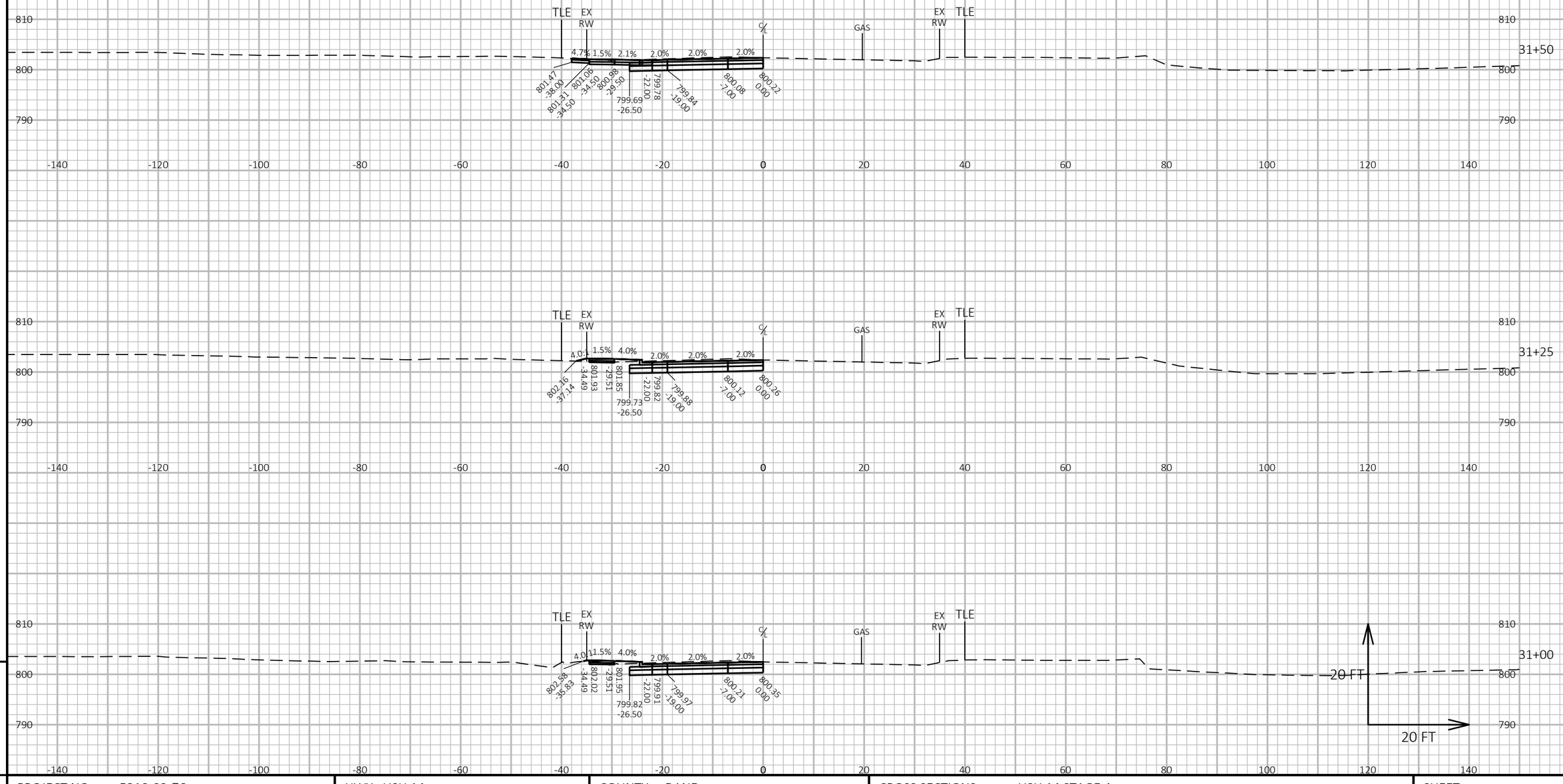
PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 573	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(38)

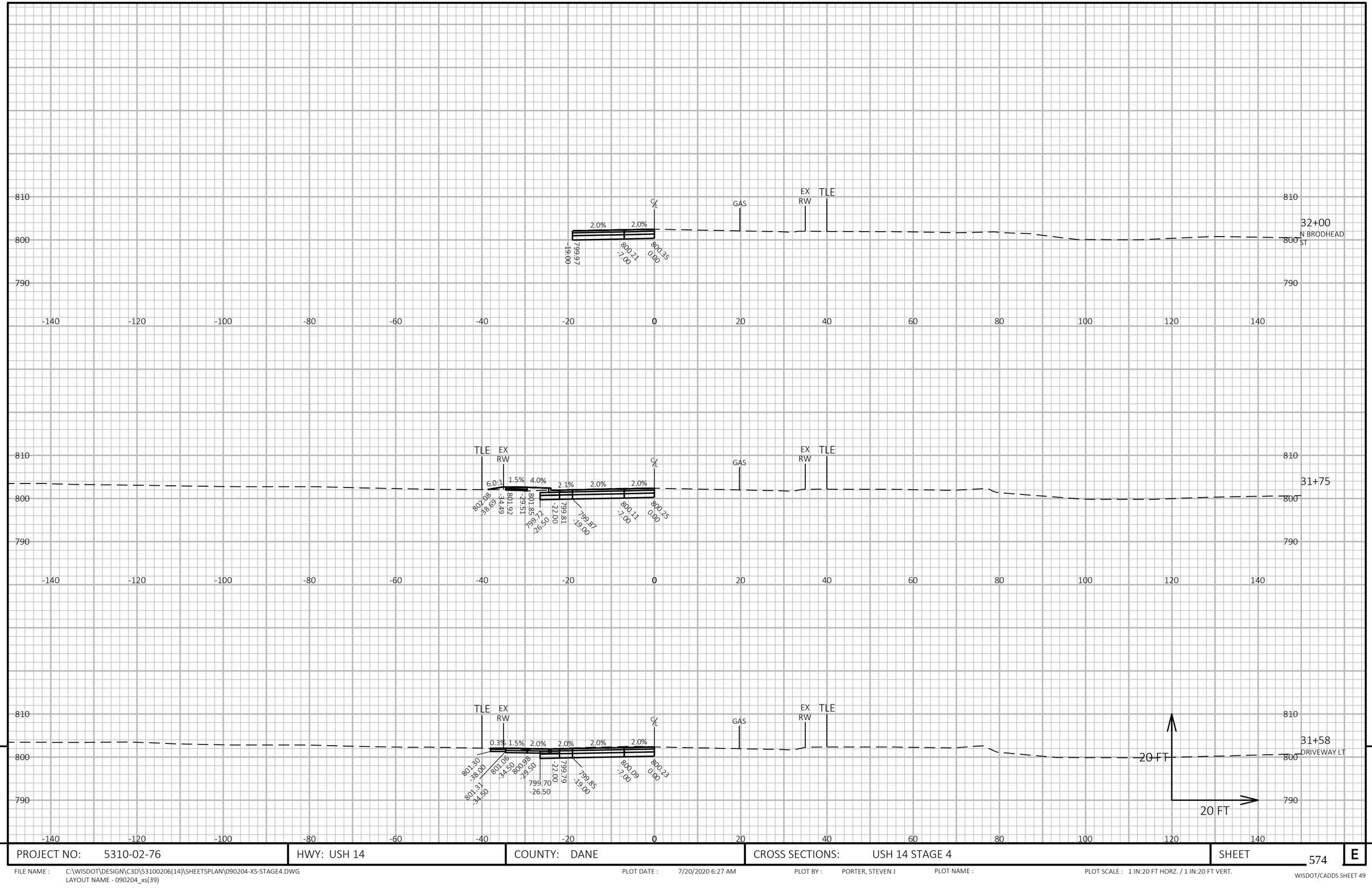
PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 574	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(39)

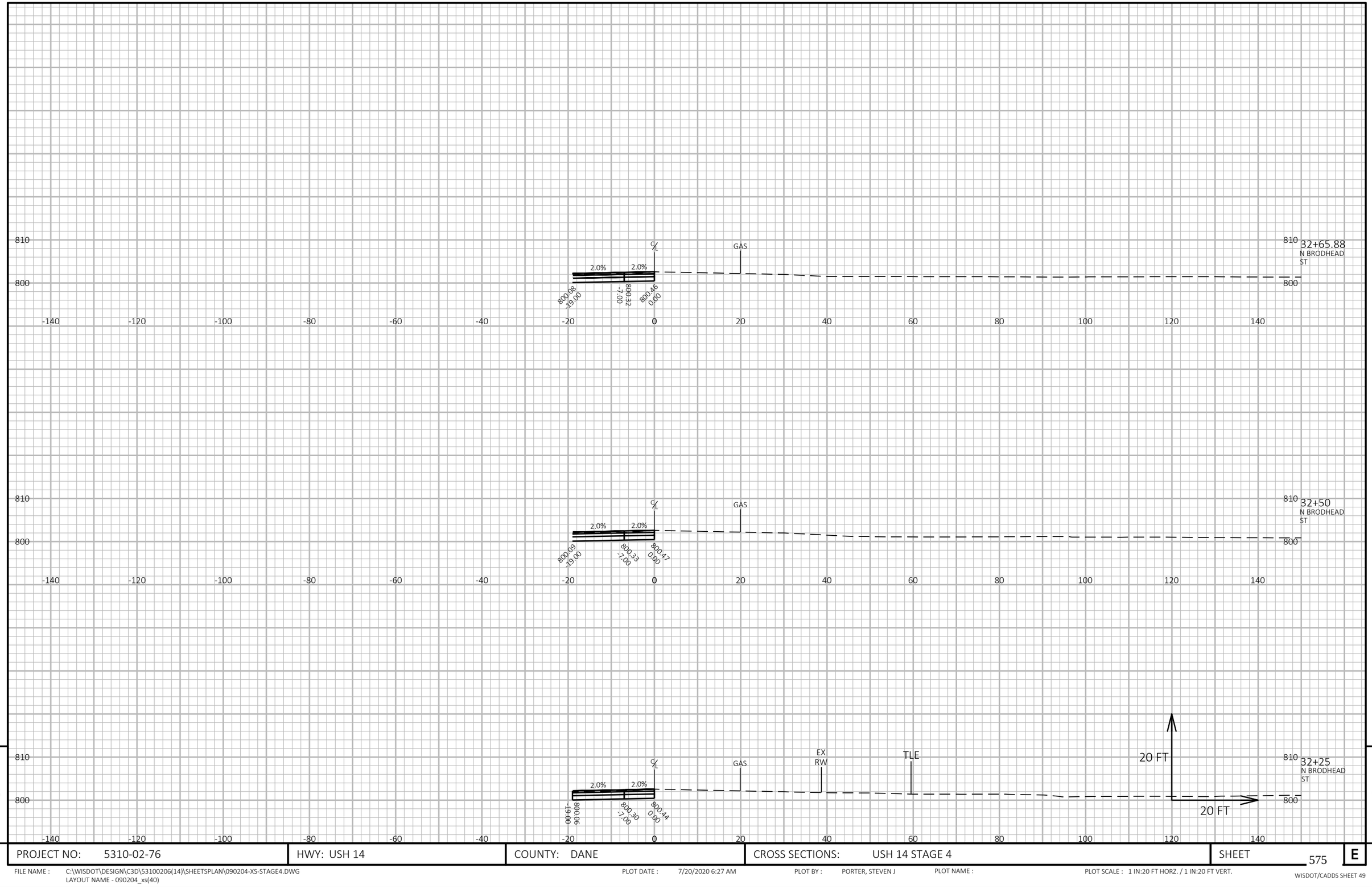
PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 575	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(40)

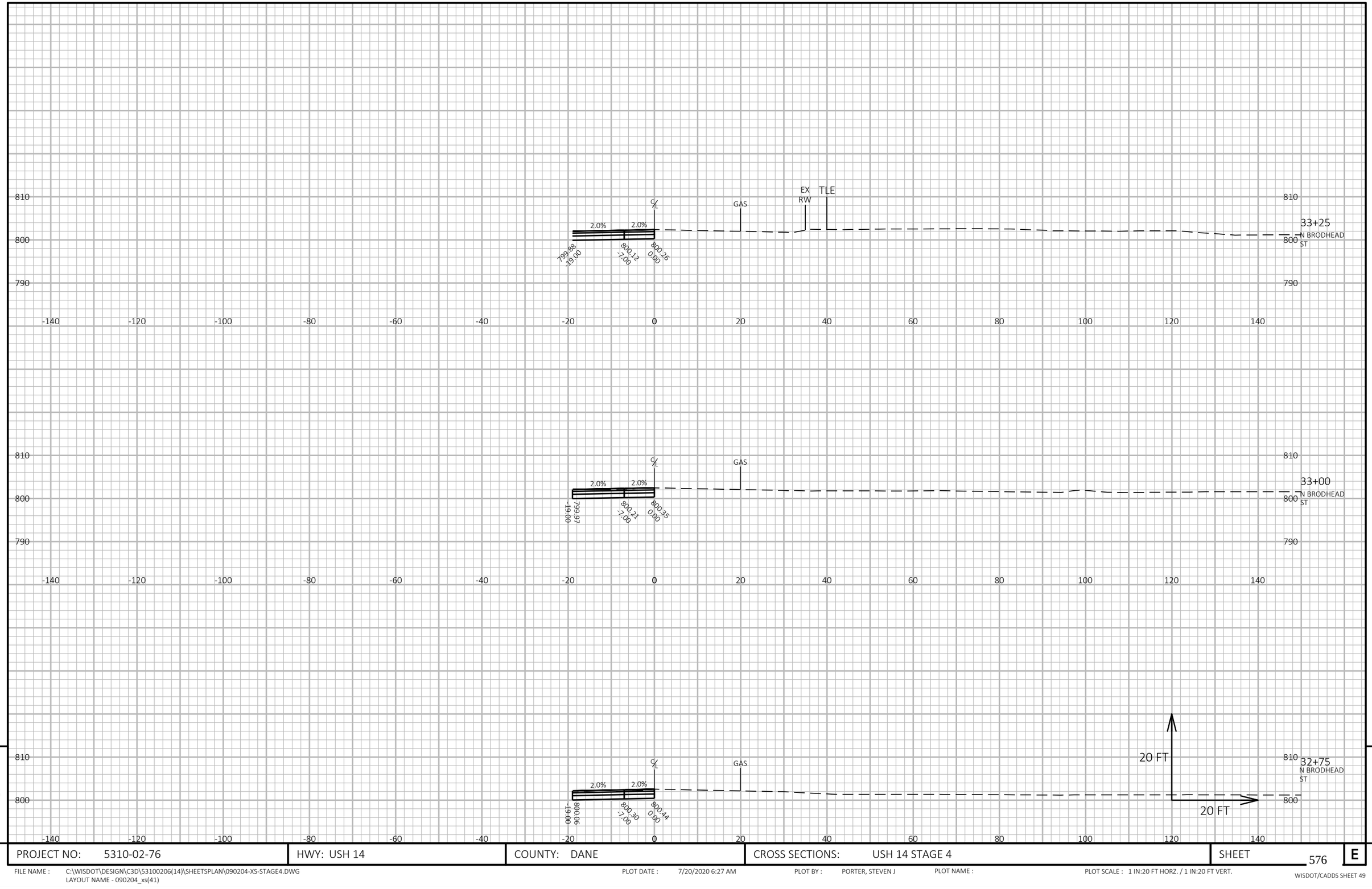
PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 576	E

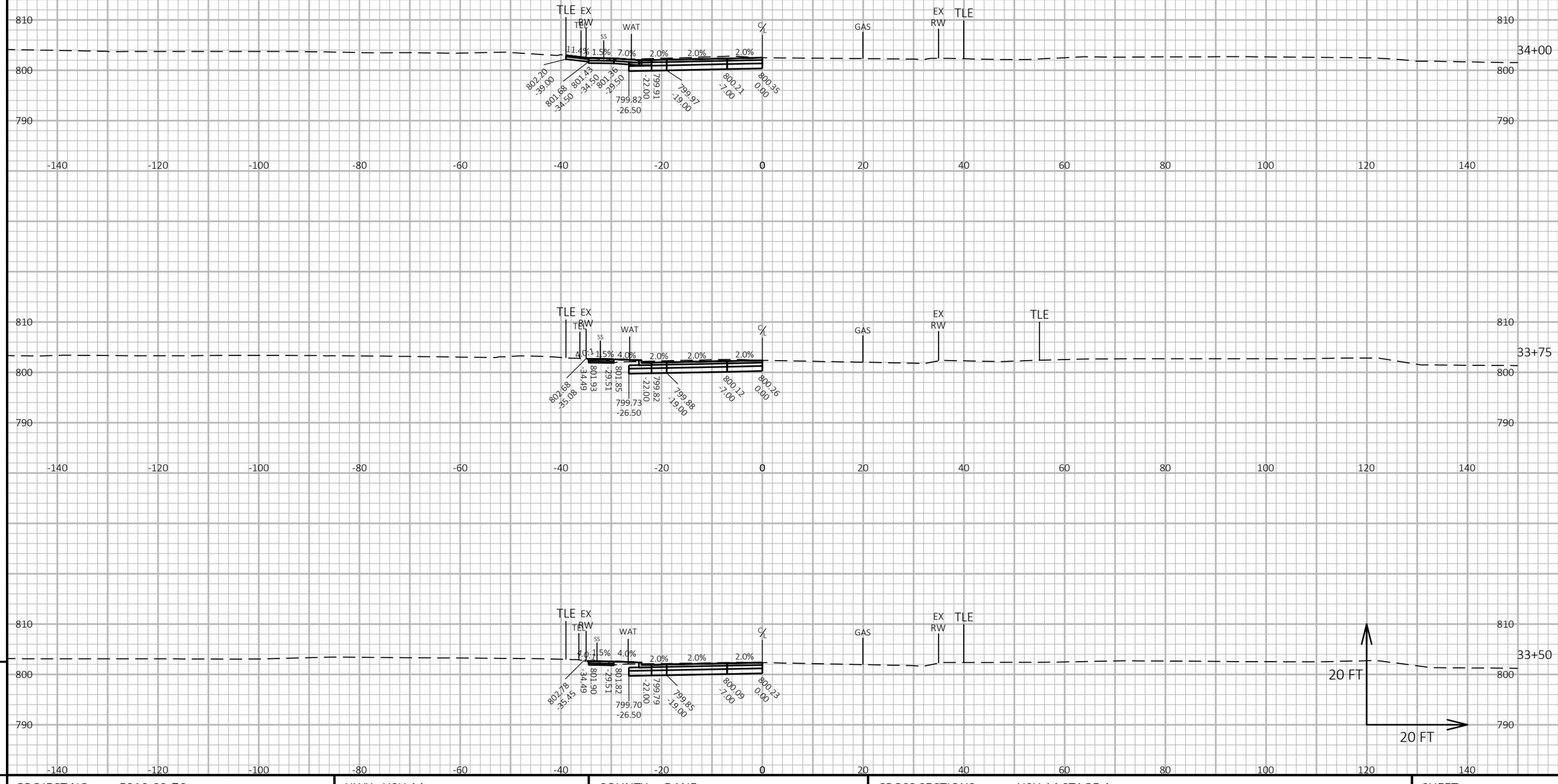
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(41)

PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 577	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(42)

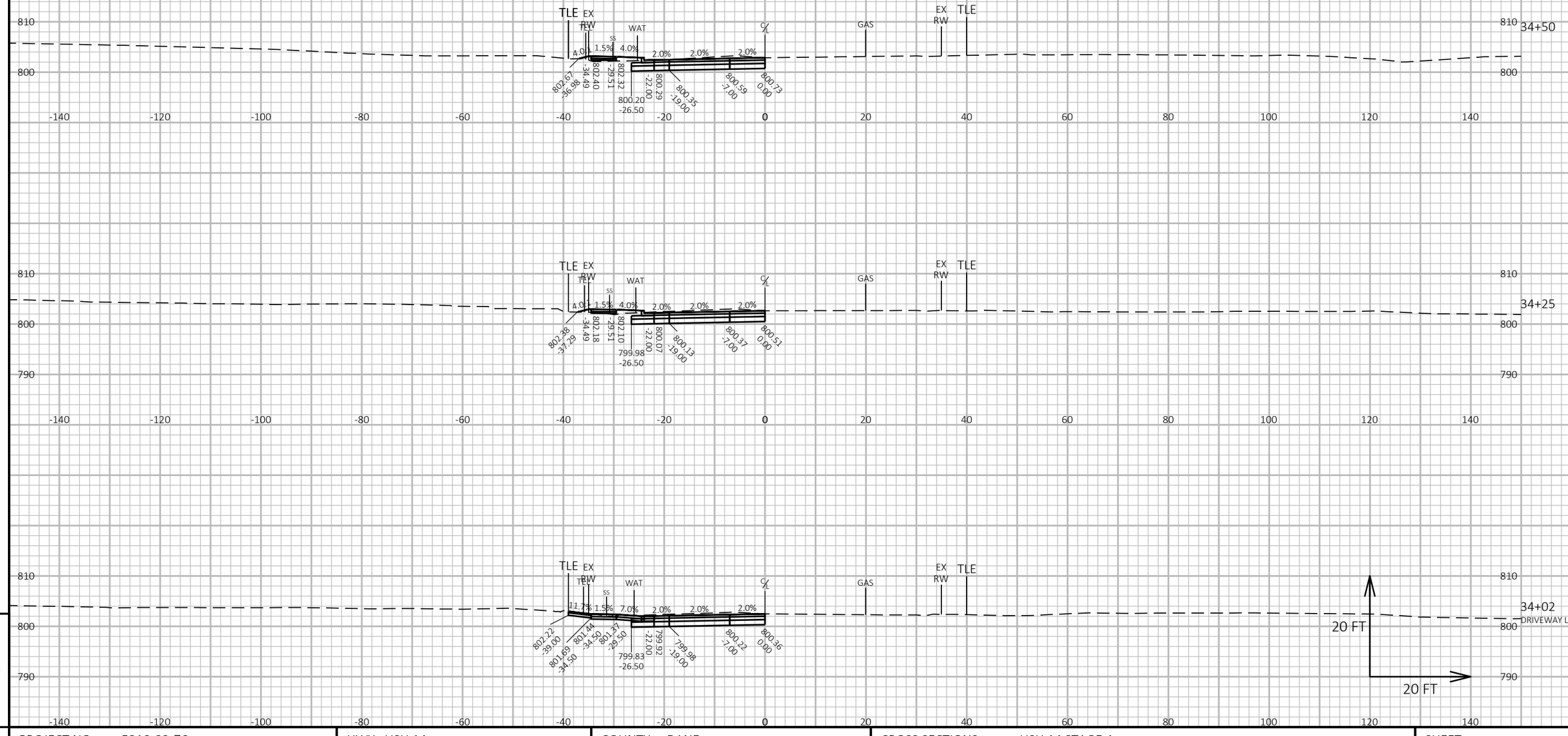
PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 578	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(43)

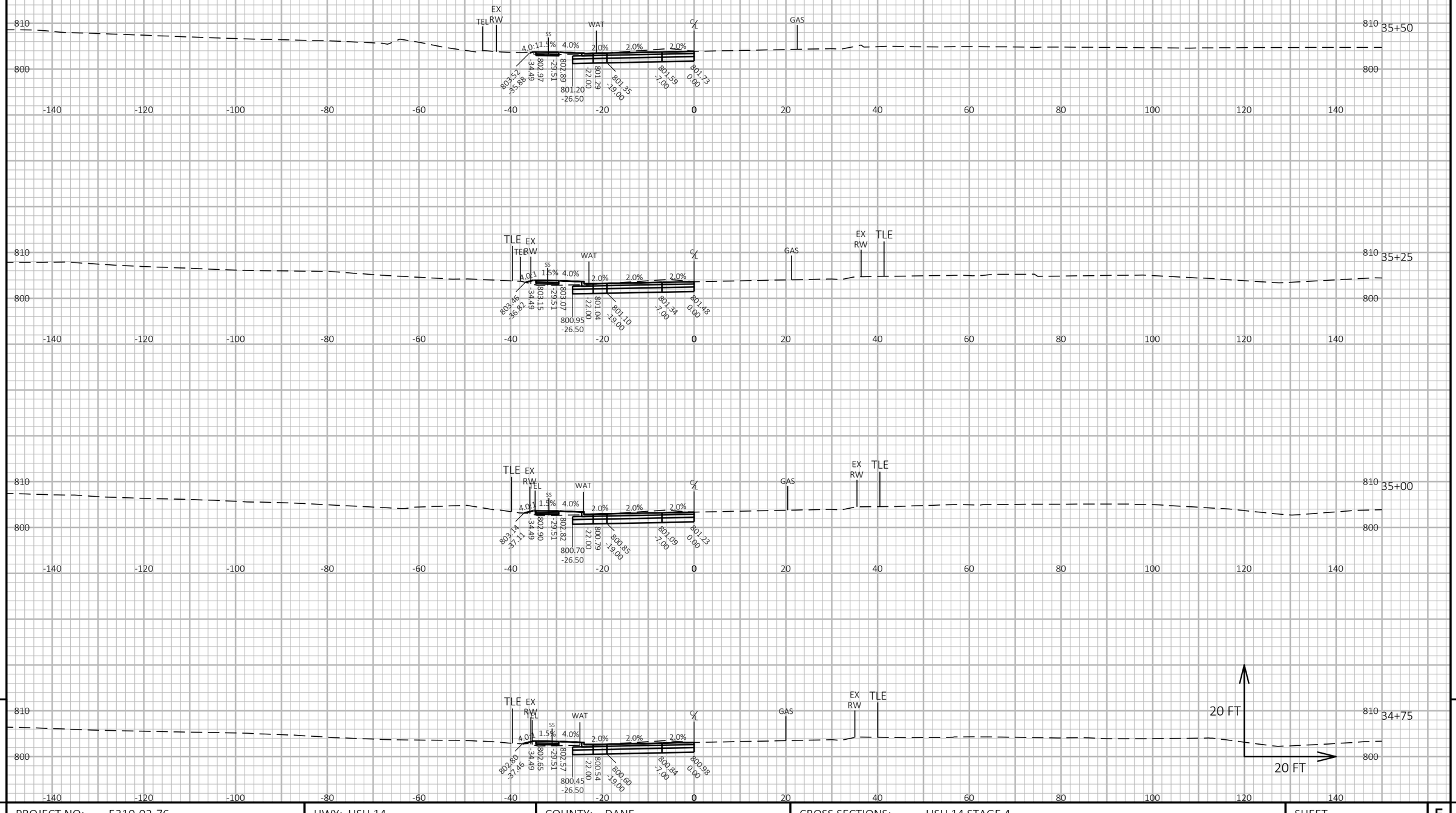
PLOT DATE : 7/20/2020 6:27 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 579	E

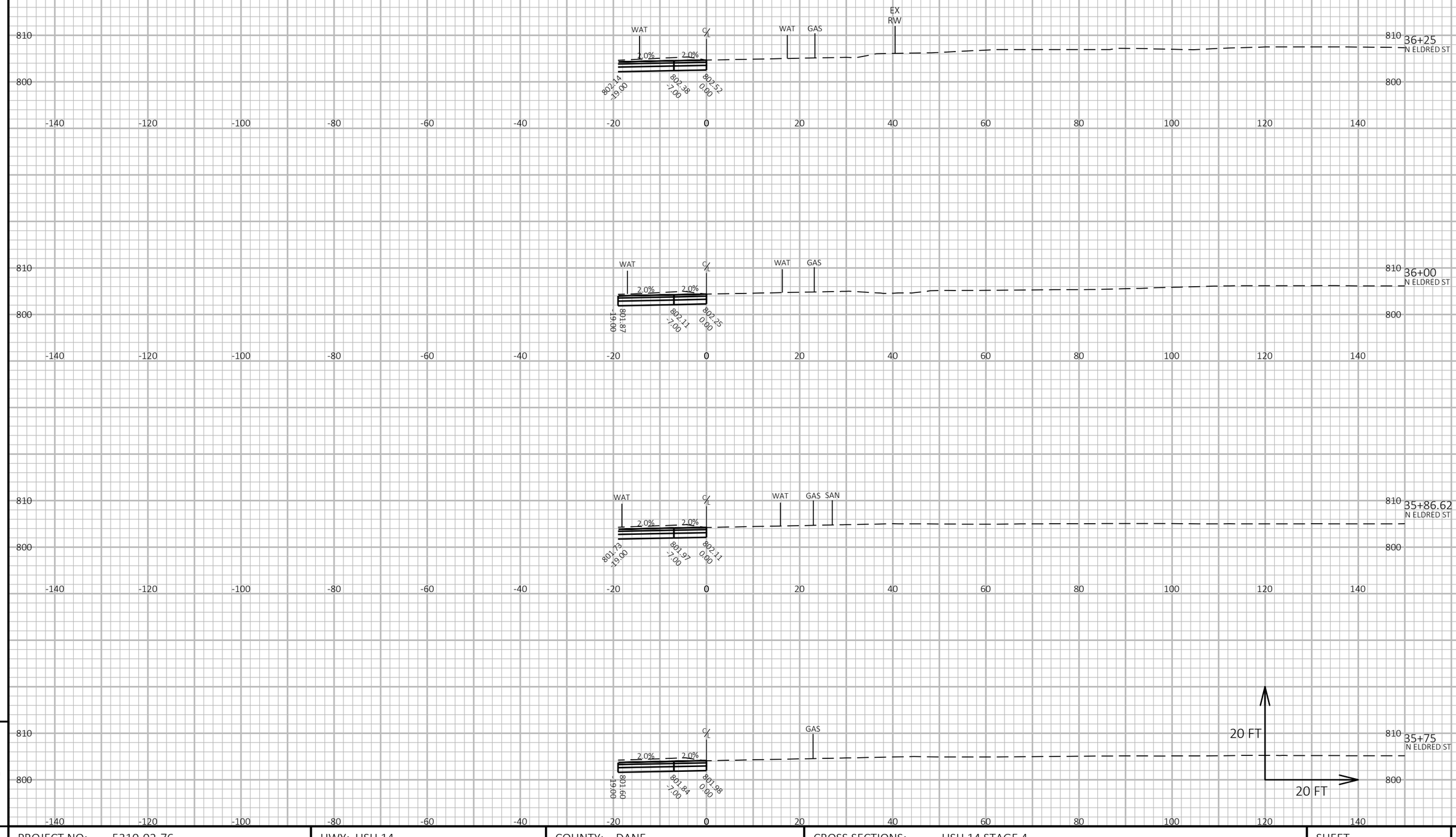
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(44)

PLOT DATE : 7/20/2020 6:28 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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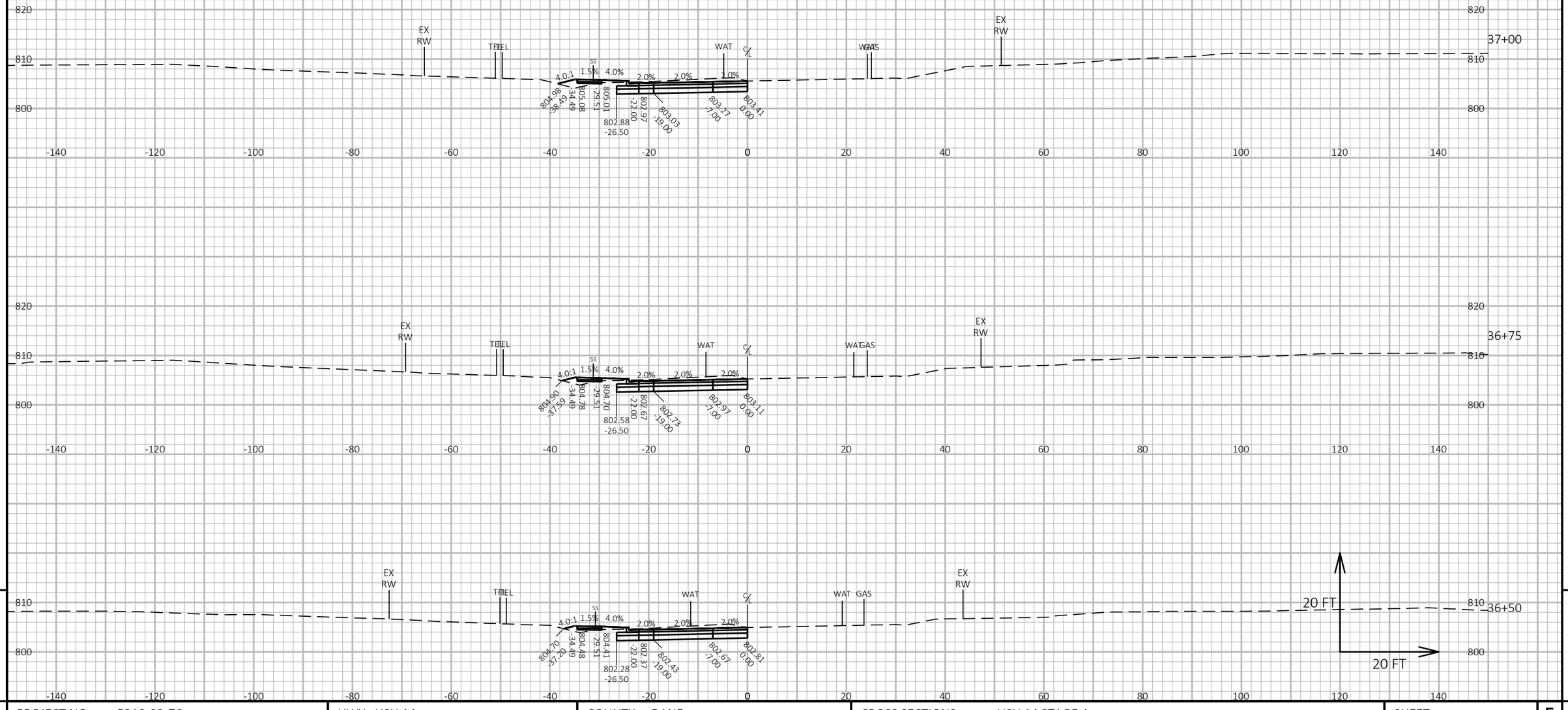
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 580	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(45)

PLOT DATE : 7/20/2020 6:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 581	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(46)

PLOT DATE : 7/20/2020 6:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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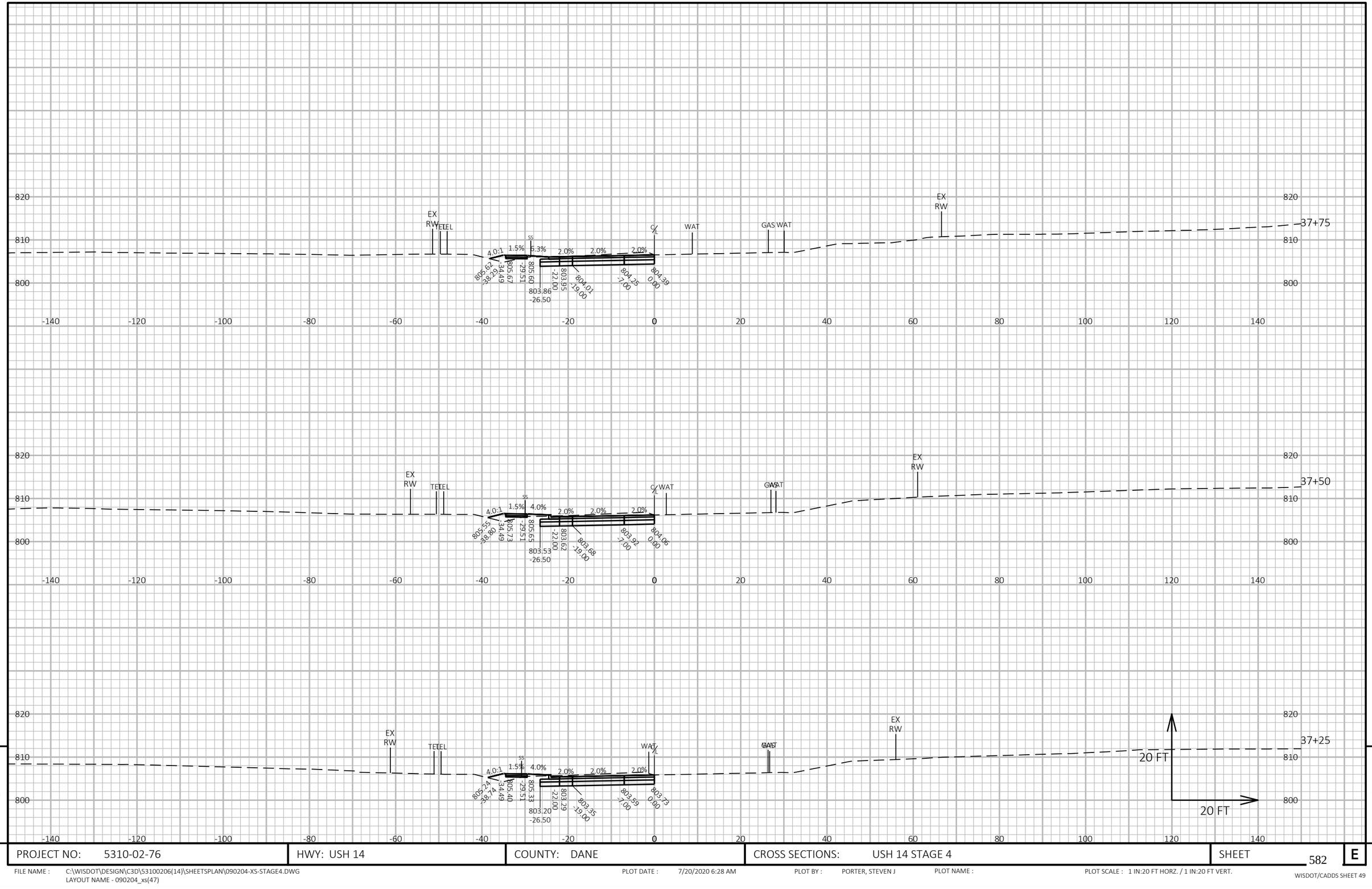

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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 582	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(47)

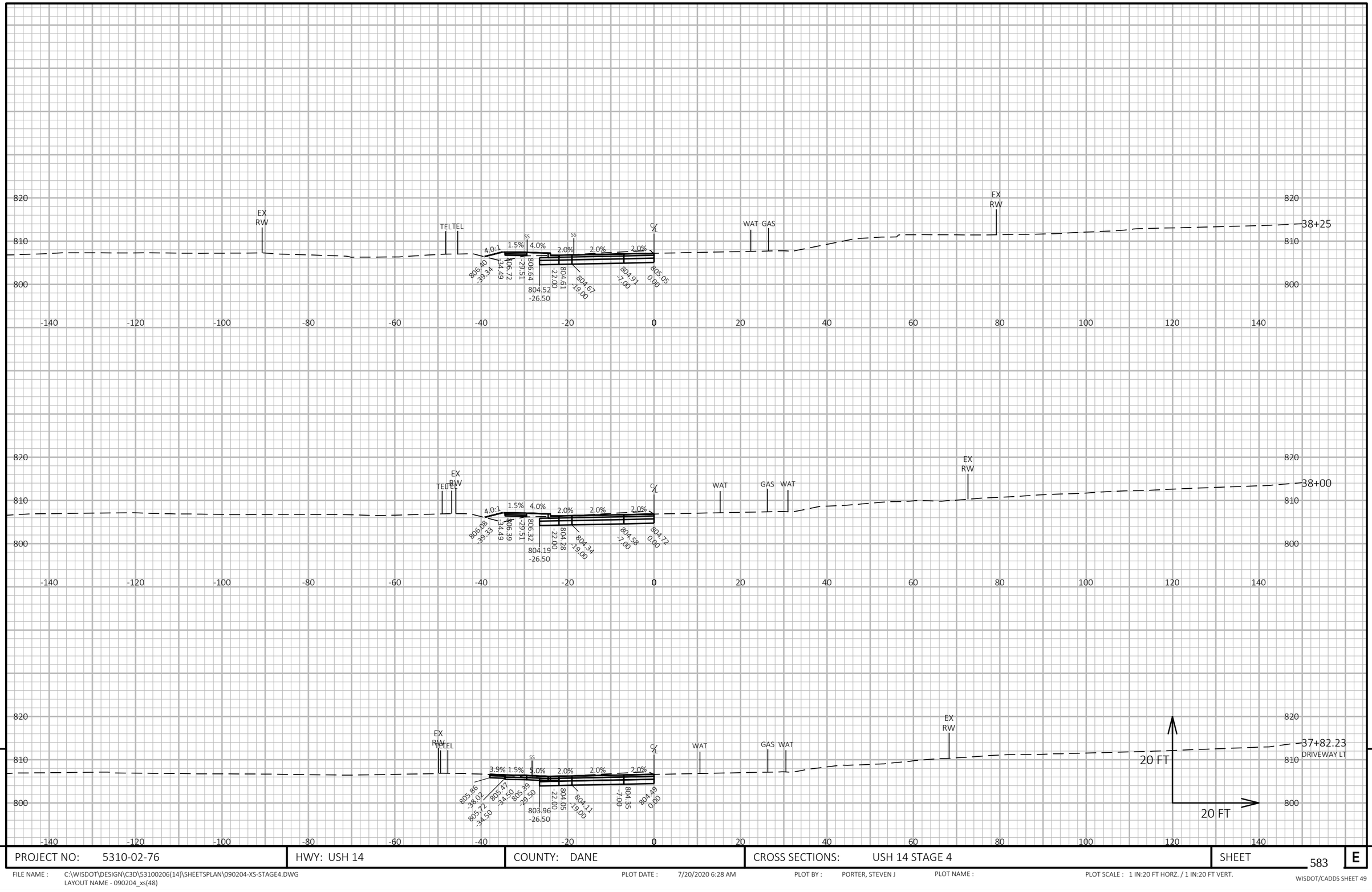
PLOT DATE : 7/20/2020 6:28 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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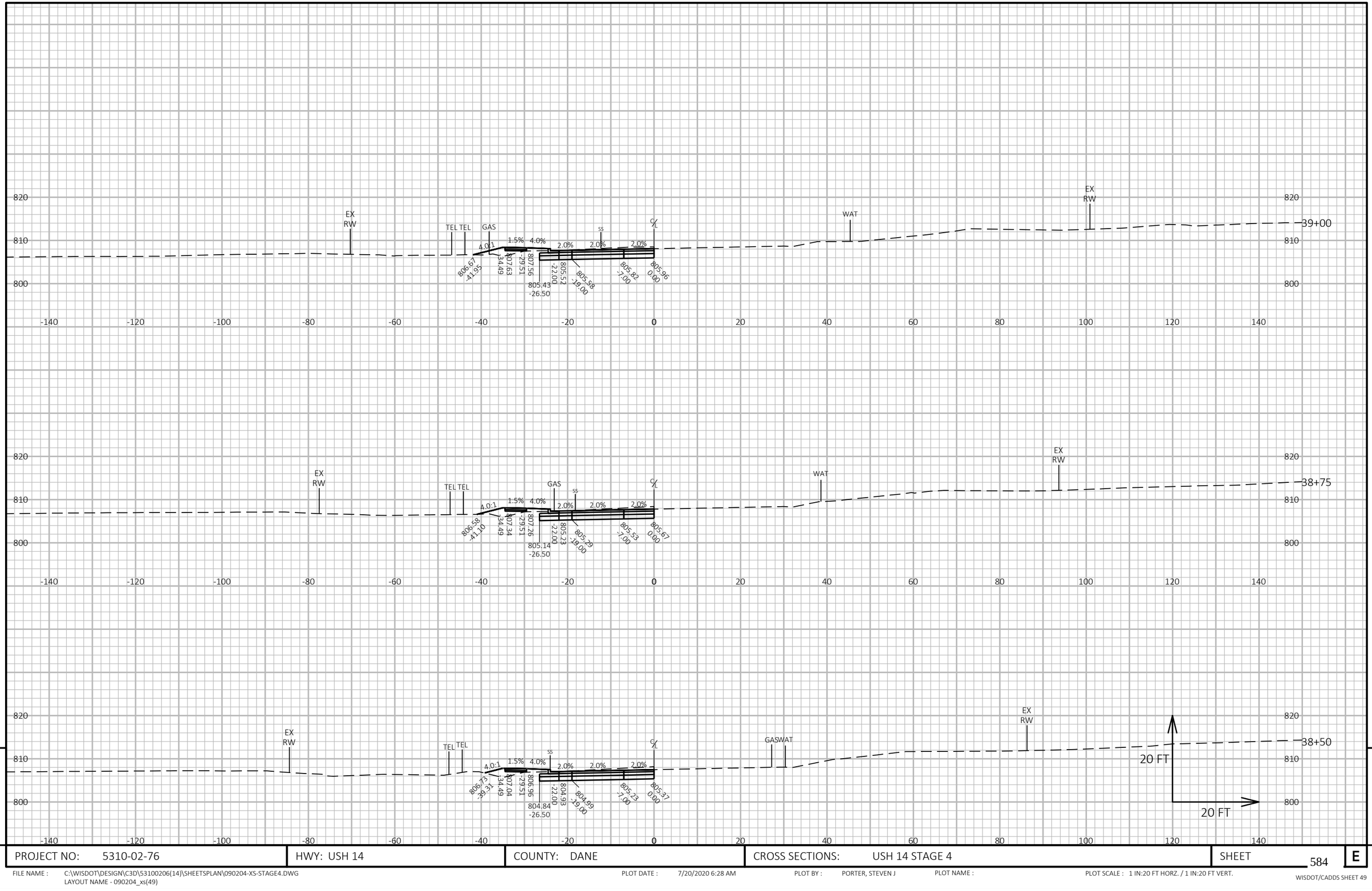
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 583	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(48)

PLOT DATE : 7/20/2020 6:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 584	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(49)

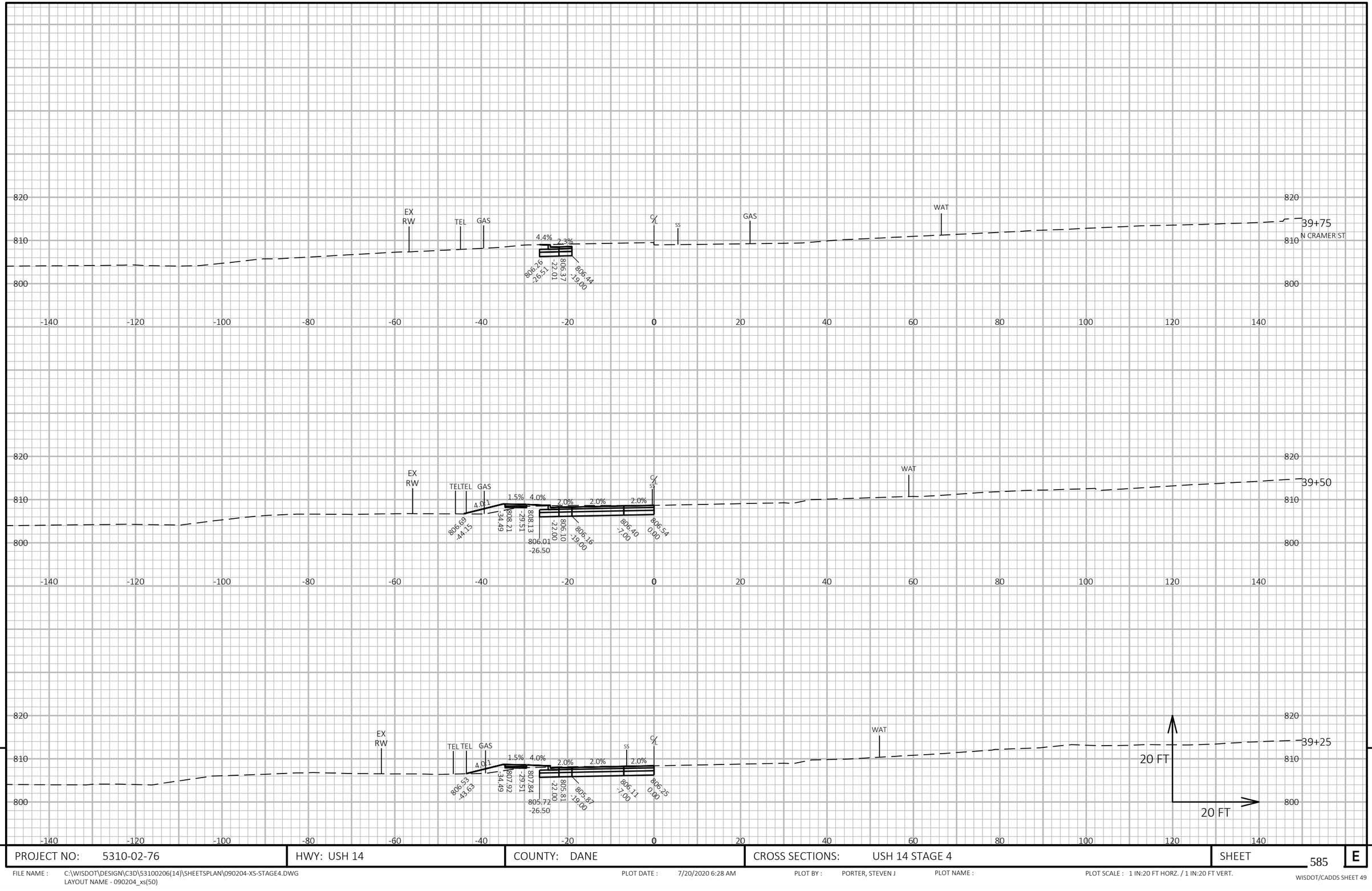
PLOT DATE : 7/20/2020 6:28 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

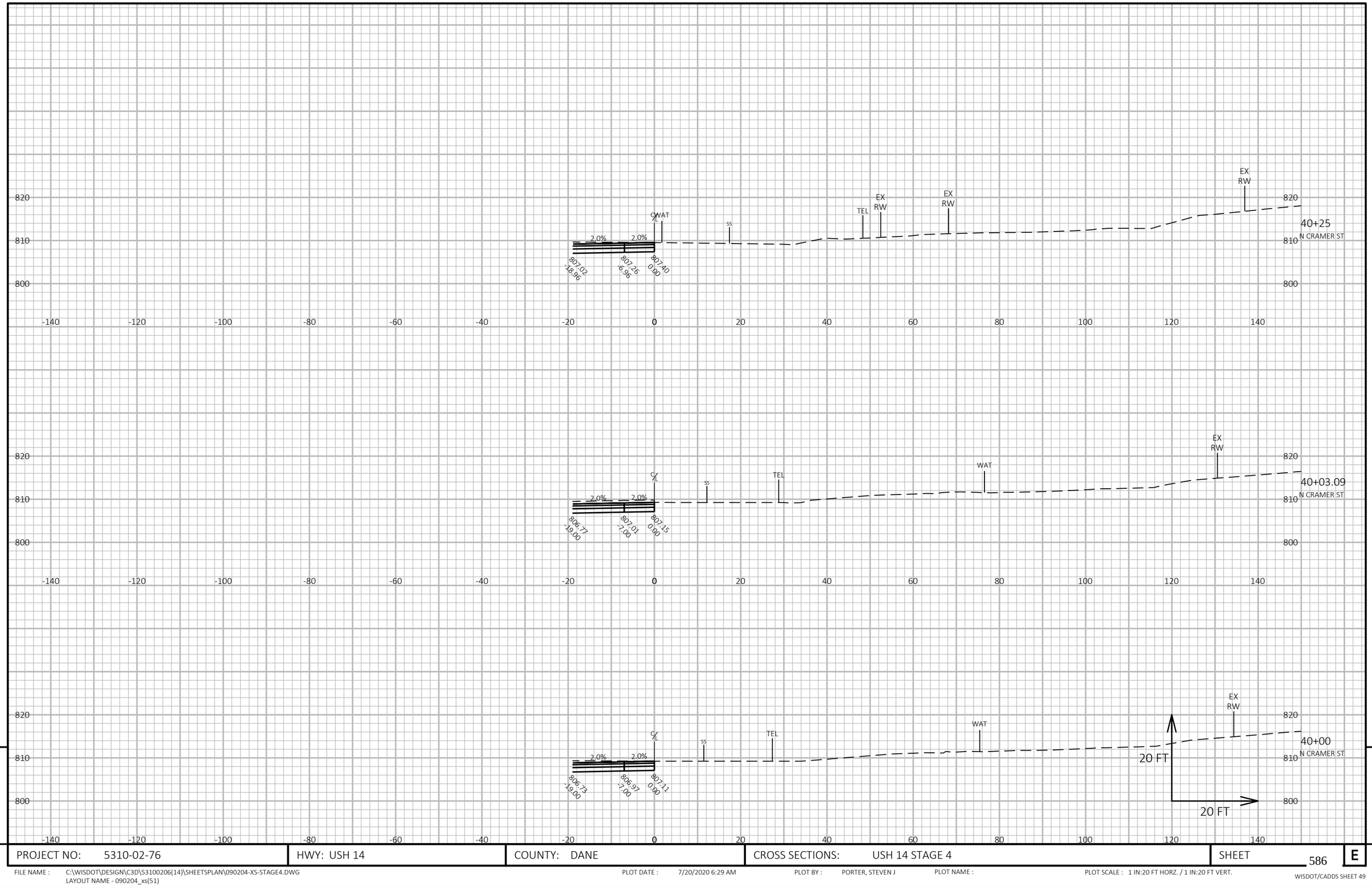
WISDOT/CADDS SHEET 49



PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 585	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(50)

PLOT DATE : 7/20/2020 6:28 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 586	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(51)

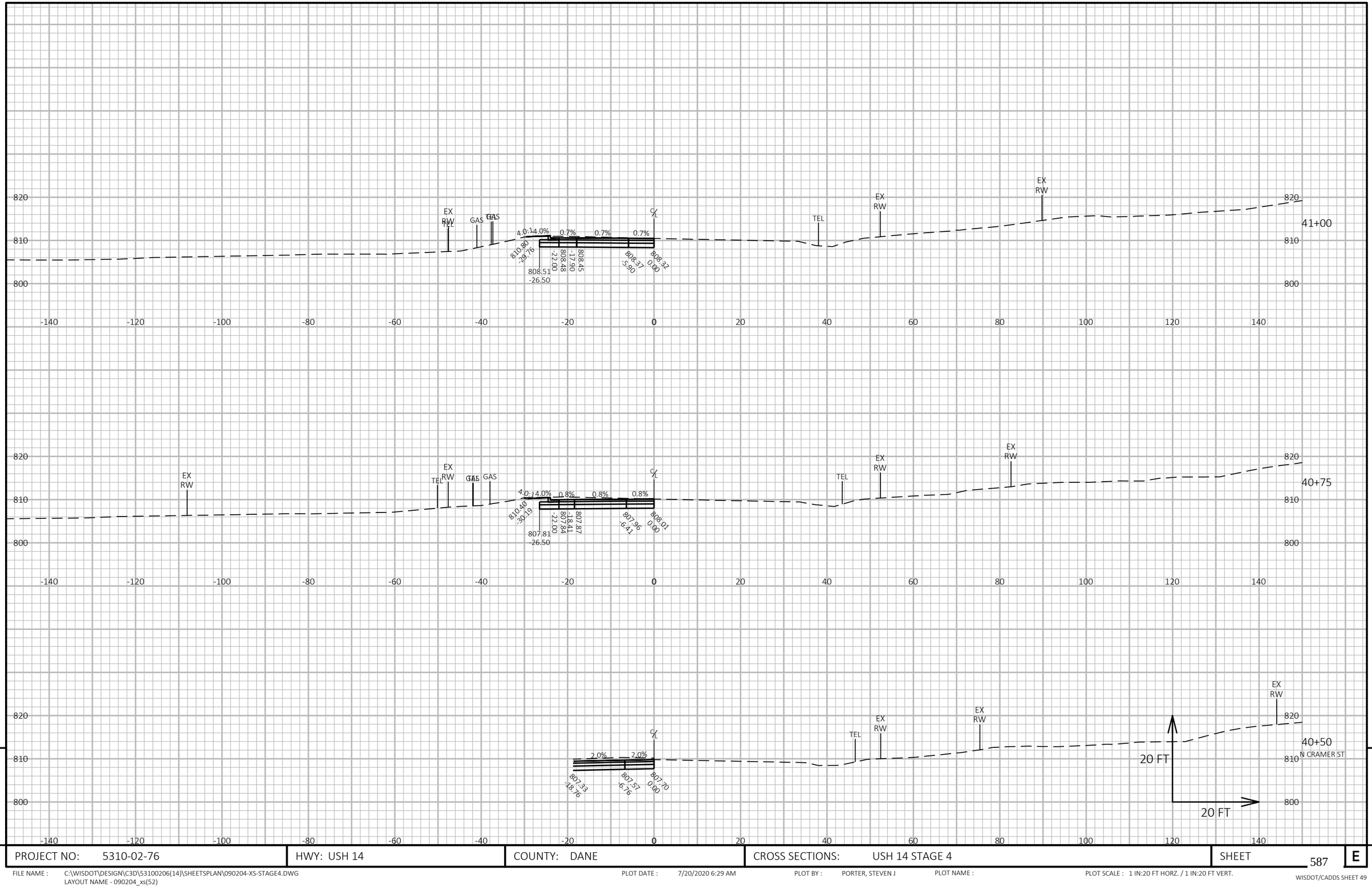
PLOT DATE : 7/20/2020 6:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 587	E

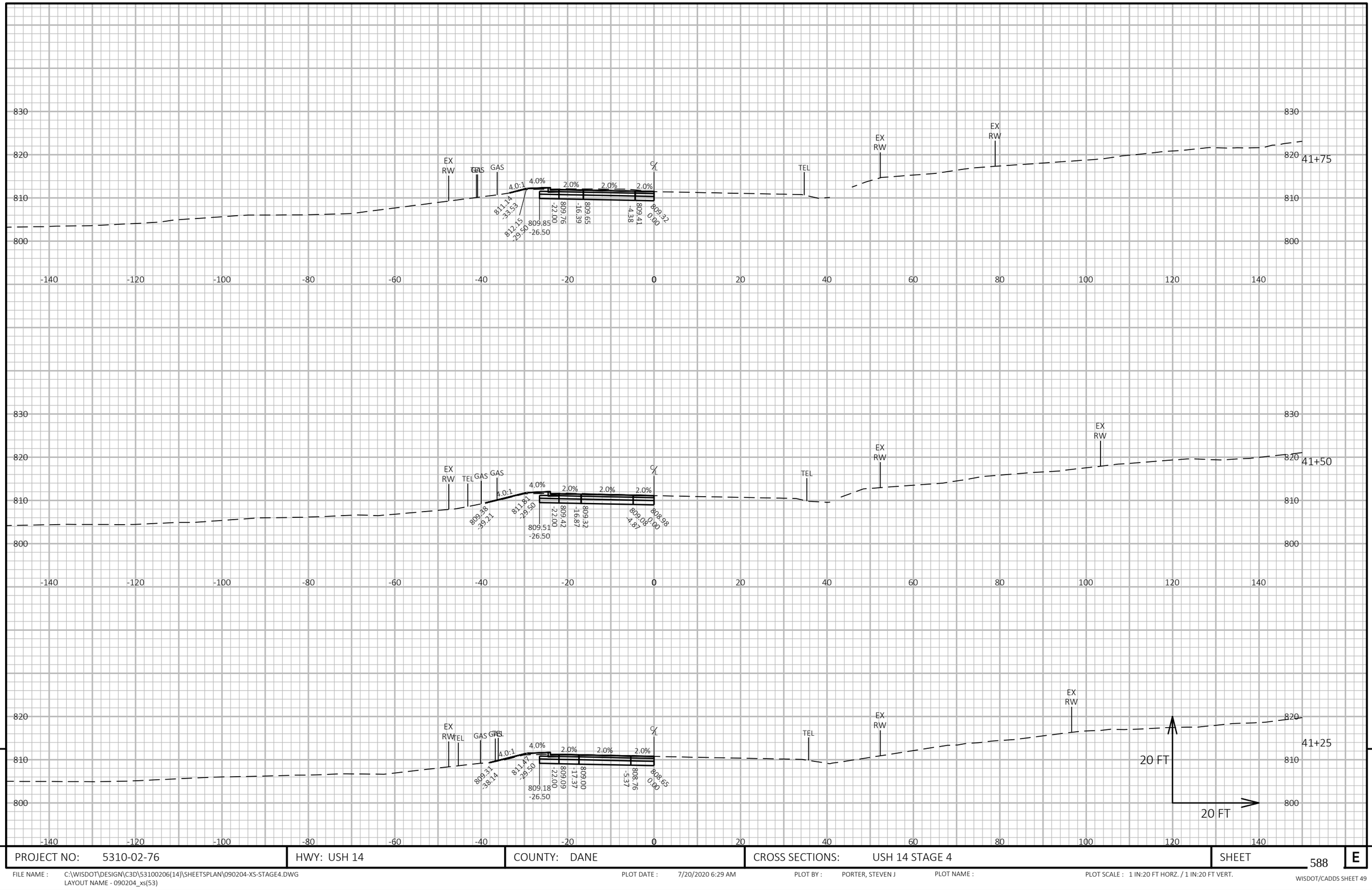
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(52)

PLOT DATE : 7/20/2020 6:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 588	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(53)

PLOT DATE : 7/20/2020 6:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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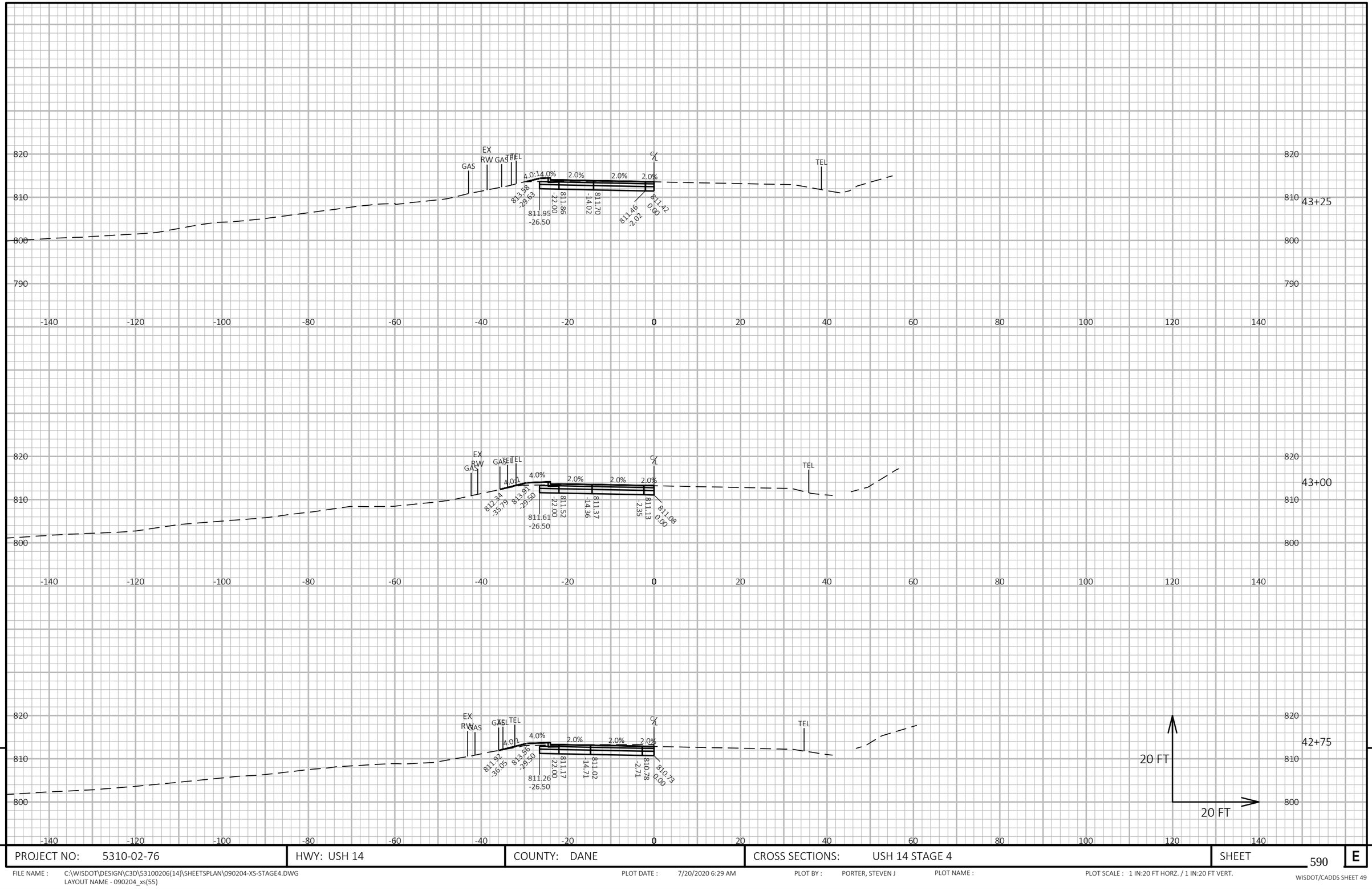
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 589	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(54)

PLOT DATE : 7/20/2020 6:29 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 590	E

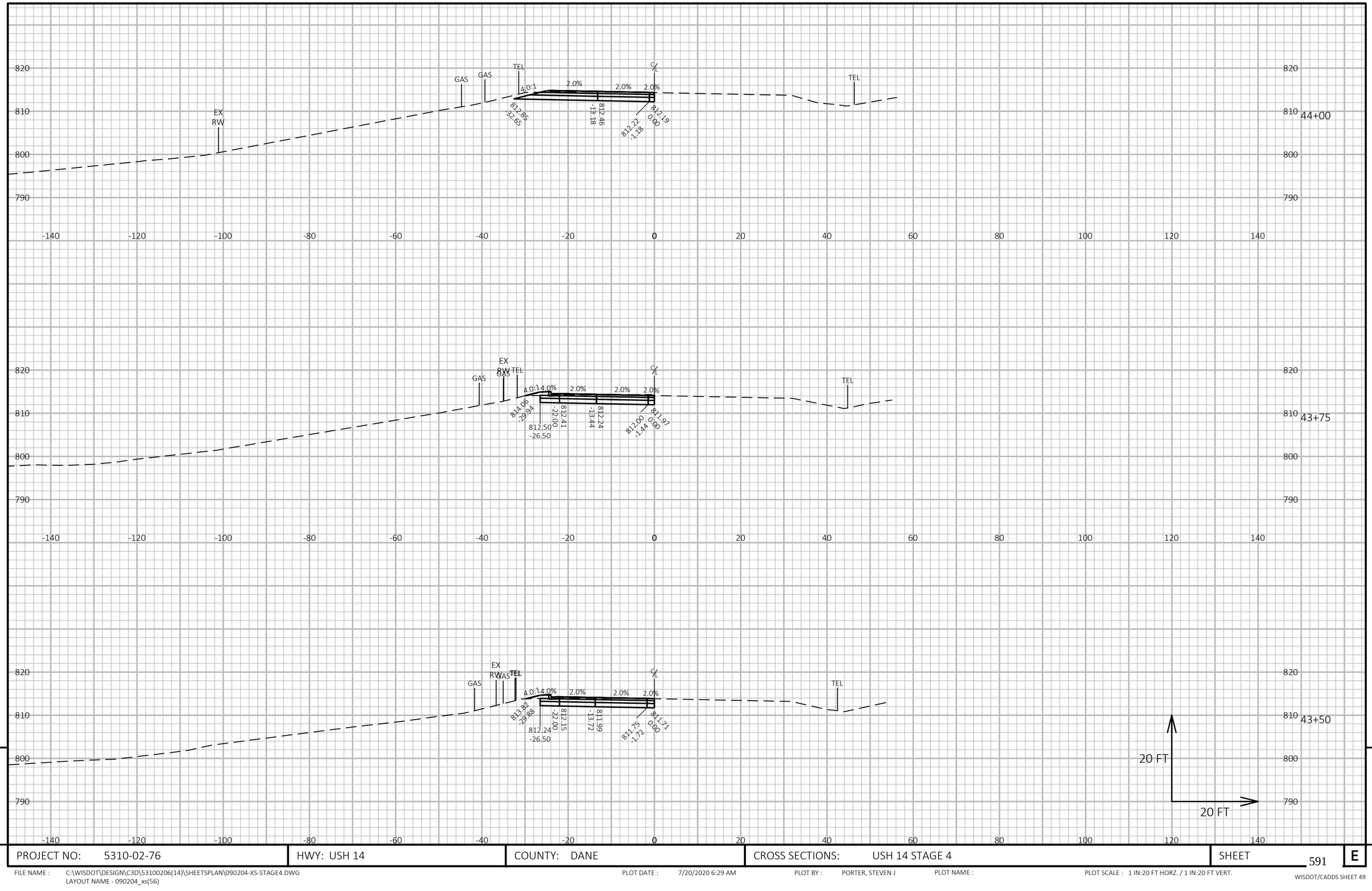
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(55)

PLOT DATE : 7/20/2020 6:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 591	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(56)

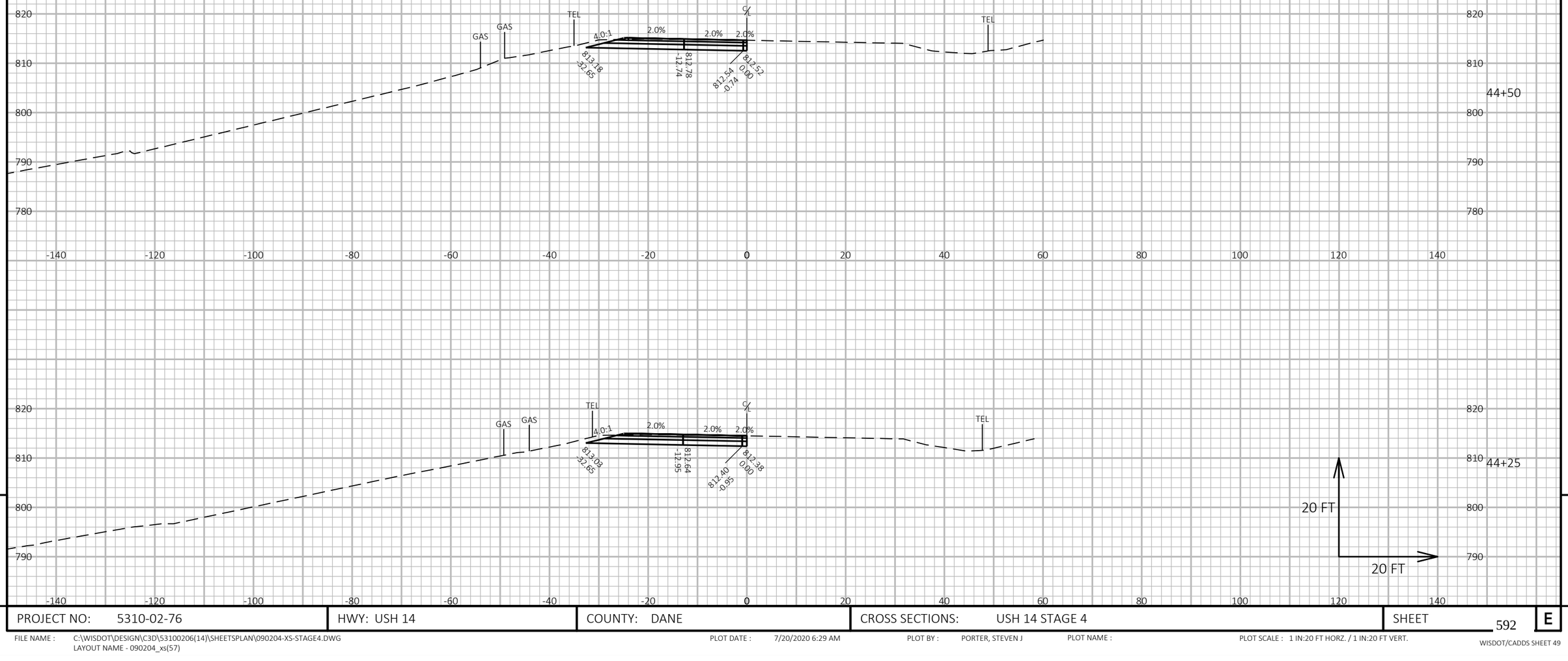
PLOT DATE : 7/20/2020 6:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 592	E

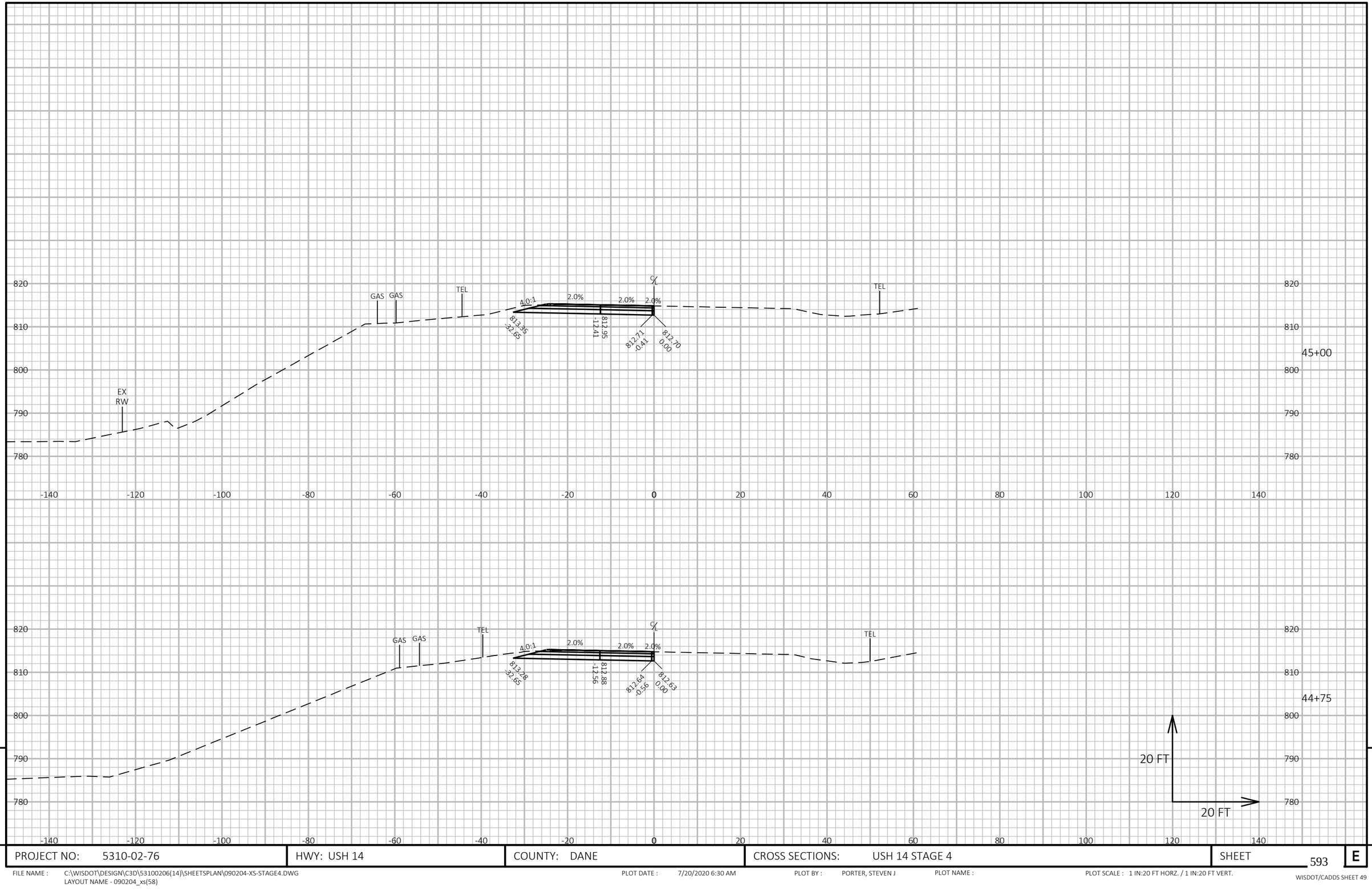
FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(57)

PLOT DATE : 7/20/2020 6:29 AM

PLOT BY : PORTER, STEVEN J

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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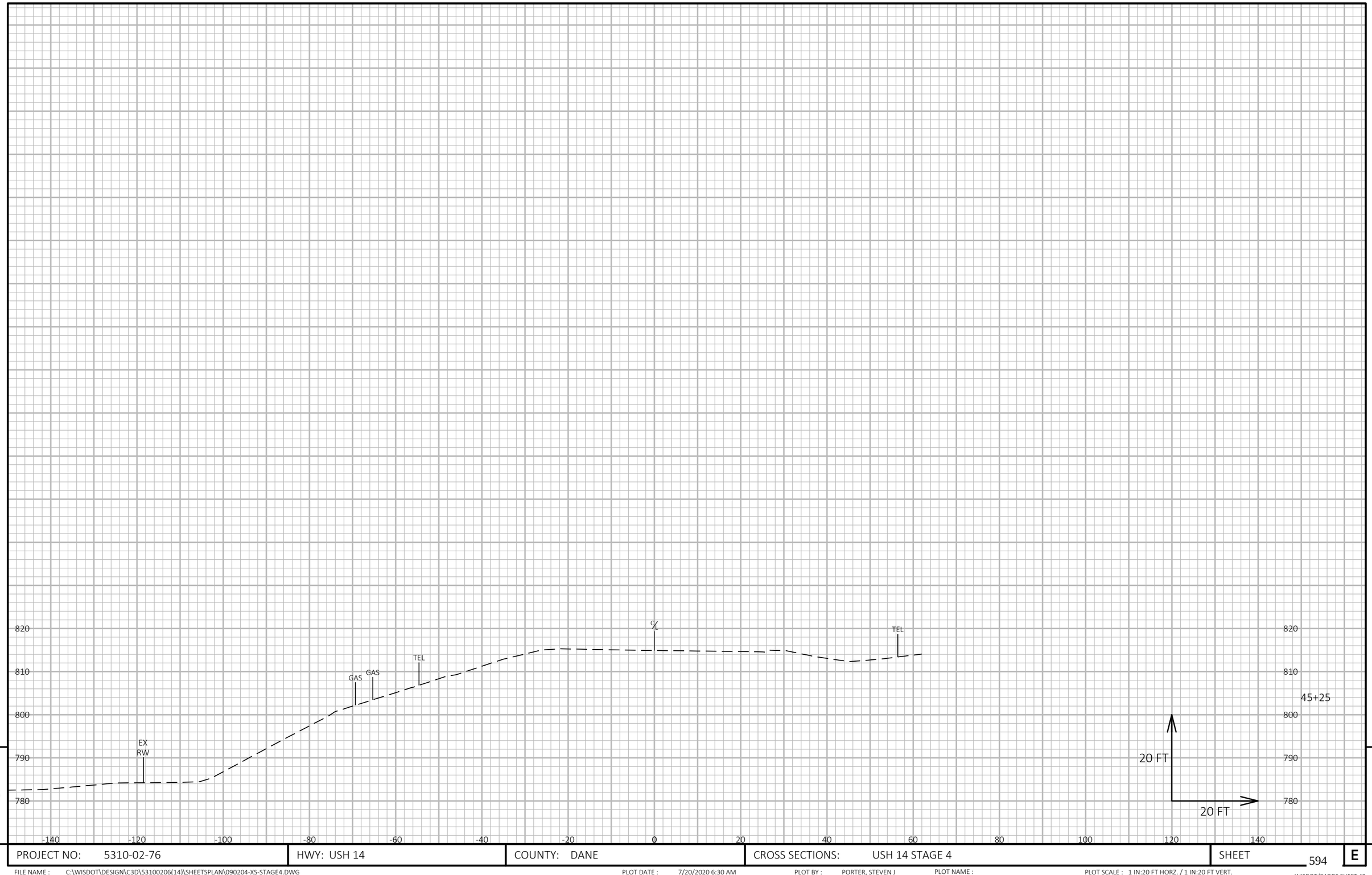
PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 593	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(58)

PLOT DATE : 7/20/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5310-02-76	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS: USH 14 STAGE 4	SHEET 594	E

FILE NAME : C:\WISDOT\DESIGN\C3D\53100206(14)\SHEETSPLAN\090204-XS-STAGE4.DWG
LAYOUT NAME - 090204_xs(59)

PLOT DATE : 7/20/2020 6:30 AM PLOT BY : PORTER, STEVEN J PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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