LAX

JANUARY 2023

PROJECT ID: 1650-00-77

WITH: 1650-06-72

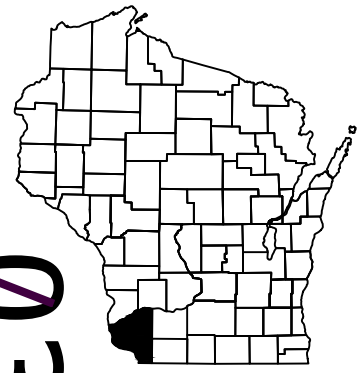
COUNTY: GRANT

03

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 = 412



N

DESIGN DESIGNATION

A.A.D.T.	2024	=	10,950
A.A.D.T.	2044	=	12,000
D.H.V.		=	1,360
D.D.		=	50/50
T.		=	16.3%
DESIGN SPEED		=	55 MPH
ESALS		=	7,600,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

DICKEYVILLE - LANCASTER

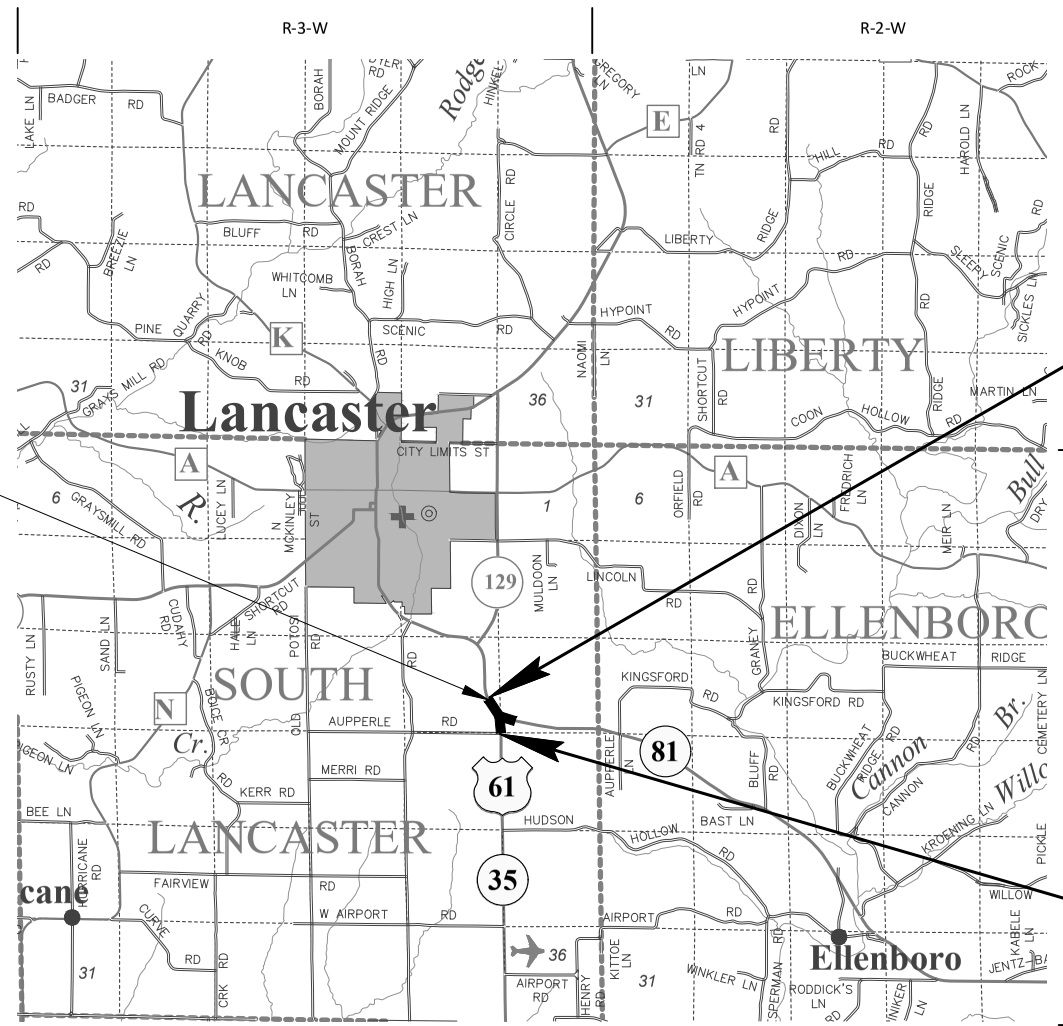
SOUTH JUNCTION STH 81

USH 61

GRANT COUNTY

STATE PROJECT NUMBER
1650-00-77

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1650-00-77	WISC 2023136	1



EQUATION STA 1306+16.99 NBB BK=
STA 1304+56.96 NBB AHD

END PROJECT
STA1295+45.00'NBB'

BEGIN PROJECT
STA 1274+85.00'NBA'
Y = 510,934.250
X = 826,241.246

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.390 MI

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

ORIGINAL PLANS PREPARED BY

SEH

WISCONSIN
TOREY R. LEONARD
E-42982-6
HOLMEN, WI
PROFESSIONAL ENGINEER

7/25/2022 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	PAUL VALENTI
Regional Examiner	SW REGION
Regional Supervisor	REINY YAHNKE

APPROVED FOR THE DEPARTMENT

DATE: 07/28/2022 Paul M Valenti (Signature)

E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\010101_TI.DWG PLOT DATE : 7/16/2022 9:48 PM PLOT BY : TOREY LEONARD PLOT NAME :

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
COB	CENTER OF BARRIER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPERANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 13.9ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 13.9ACRES

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
SOUTH CENTRAL REGION HEADQUARTERS
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
TELEPHONE: 608.275.3308
ATTENTION: ANDY BARTA
EMAIL: ANDY.BARTA@WISCONSIN.GOV

WISDOT CONTACT:

WISCONSIN DEPT OF TRANSPORATION
SOUTHWEST REGION
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9053
ATTENTION: PAUL M. VALENTI
EMAIL: PAUL.VALENTI@DOT.WI.GOV

DESIGN CONTACT:

SEH INC.
329 JAY STREET, SUITE 301
LA CROSSE, WI 54601
TELEPHONE: 608.498.4019
ATTENTION: TOREY LEONARD
EMAIL: TLEONARD@SEHINC.COM

UTILITY CONTACT LIST:

ALLIANT ENERGY - ELECTRICITY
490 SHAKERAG ST
MINERAL POINT, WI 53565
ATTENTION: JAY RUNDE
TELEPHONE: 608.458.4224, 608.341.0594 (MOBILE)
EMAIL: JAYRUNDE@ALLIANTENERGY.COM

SPECTRUM - COMMUNICATIONS
2701 DANIELS ST
MADISON, WI 53718
ATTENTION: STEVE HEGGE
TELEPHONE: 608.576.2613
EMAIL: STEVE.HEGGE@CHARTER.COM

TDS TELECOM - COMMUNICATIONS
525 JUNCTION RD
MADISON, WI 53717
ATTENTION: JERRY MYERS
TELEPHONE: 608.664.4404
EMAIL: JERRY.MYERS@TDSTELECOM.COM

WI INDEPENDENT NETWORK (WIN) - COMMUNICATIONS
4955 BULLIS FARM ROAD
EAU CLAIRE, WI 54701
ATTENTION: KEN WHITING
TELEPHONE: 866.206.2027, 920.376.2996 (MOBILE)
EMAIL: KEN.WHITING@WINTECHNOLOGY.COM

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

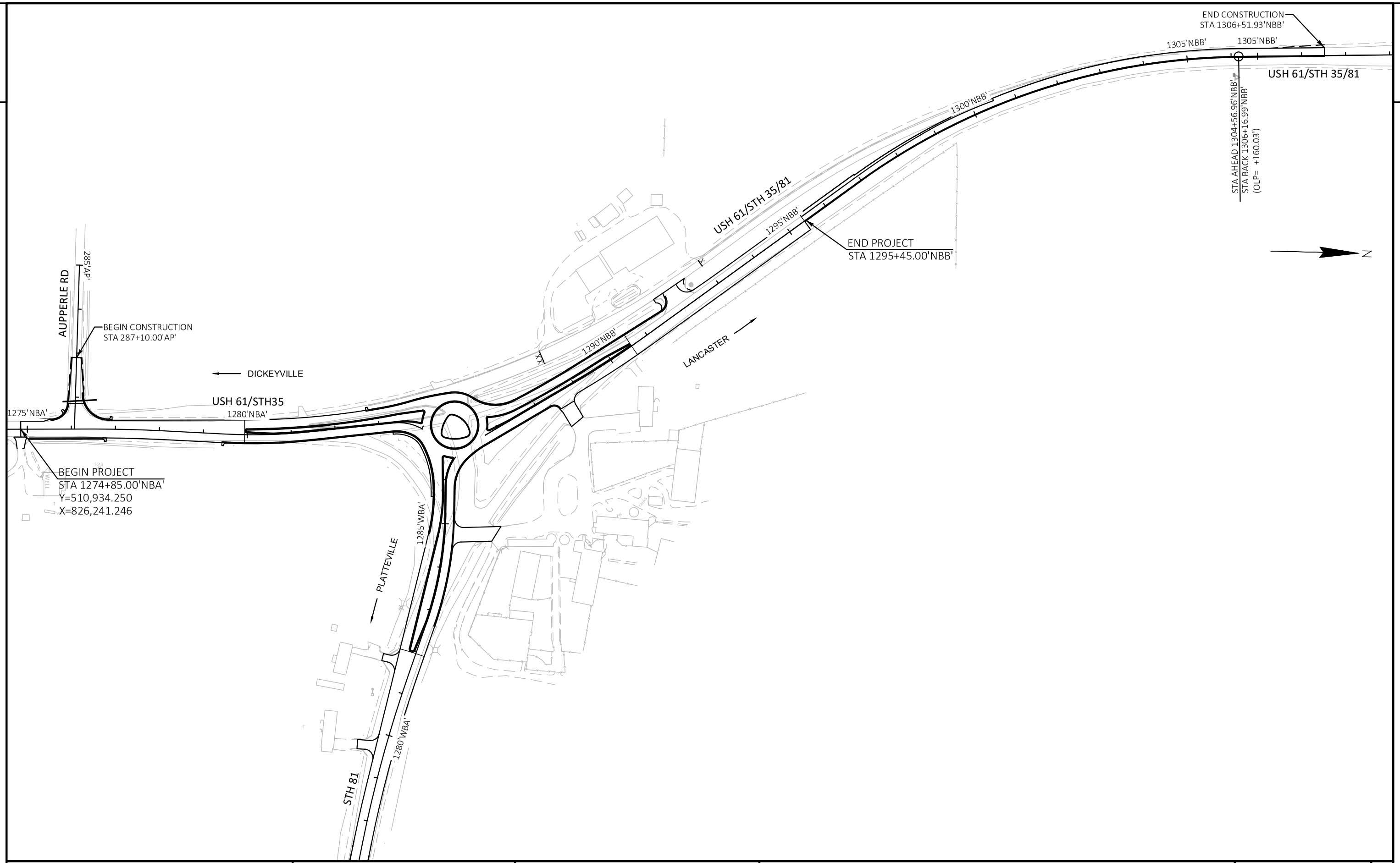
ORDER OF SHEETS - SECTION 2:

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER DETAILS
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING PLAN
TRAFFIC CONTROL DETAILS
STAGING PLANS
ALIGNMENT DETAILS
CONTROL POINTS

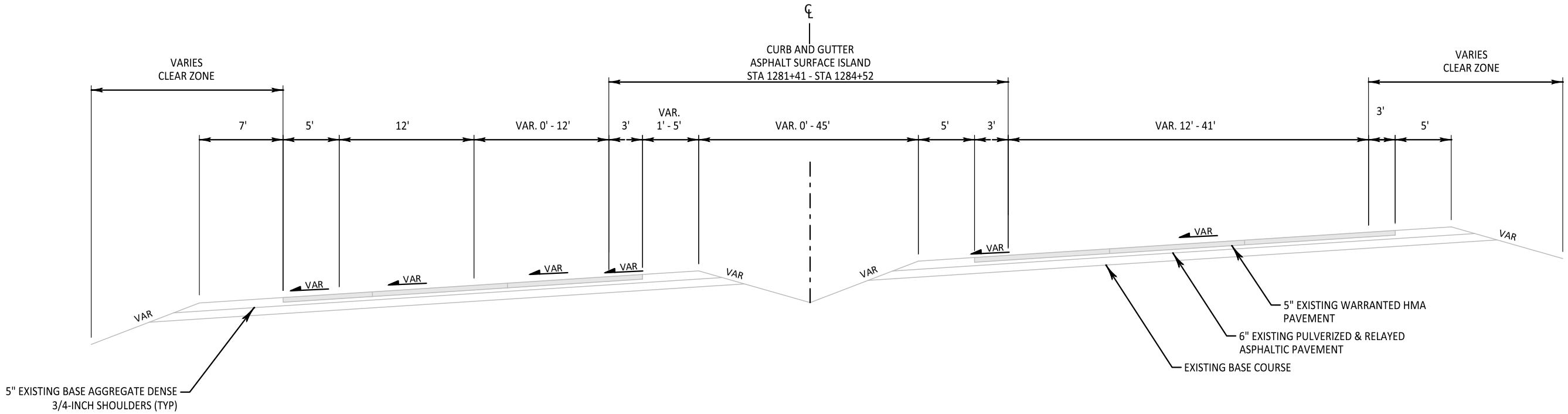
GENERAL NOTES:

1. USH 61 IS A HIGH CLEARANCE AND AN OSOW ROUTE. ANY NEW OR RELOCATED VERTICAL OBSTRUCTIONS SHALL HAVE 20' MINIMUM VERTICAL CLEARANCE.
2. WHEN THE QUANTITY OF BASE AGGREGATE OR HMA PAVEMENTS IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
4. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
5. THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.
6. UNLESS OTHERWISE SHOWN, DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOIL, FERTILIZED, SEEDED AND EROSION MATTED.
7. LENGTHS OF CULVERT PIPE CLASS III-A ASSUMES THE USE OF REINFORCED CONCRETE. IF OTHER MATERIAL IS USED THAT USES METAL APRON ENDWALLS, LENGTHEN PIPE BY THE "C" DISTANCE SHOWN IN THE APRON ENDWALL STANDARD DETAIL DRAWING
8. THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.
9. A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.
10. THE 5.5" HMA PAVEMENT SHALL CONSIST OF A 2.5" 4 MT 58-28 S UPPER LAYER AND 3" 3 MT 58-28 S LOWER LAYER.
11. APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE AND 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.
12. 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.
13. A CONVERSION FACTOR OF 2.1 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 3/4-INCH.
14. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 1 1/4-INCH.
15. A CONVERSION FACTOR OF 1.8 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
16. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
17. MINIMUM DEPTH OF BASE AGGREGATE DENSE 1 1/4-INCH UNDER TEMPORARY PAVEMENT IS 10-INCHES, MAY BE PLACED THICKER FOR INCORPORATION INTO FINAL PRODUCT IF STAGING AND OPERATIONS ALLOW.

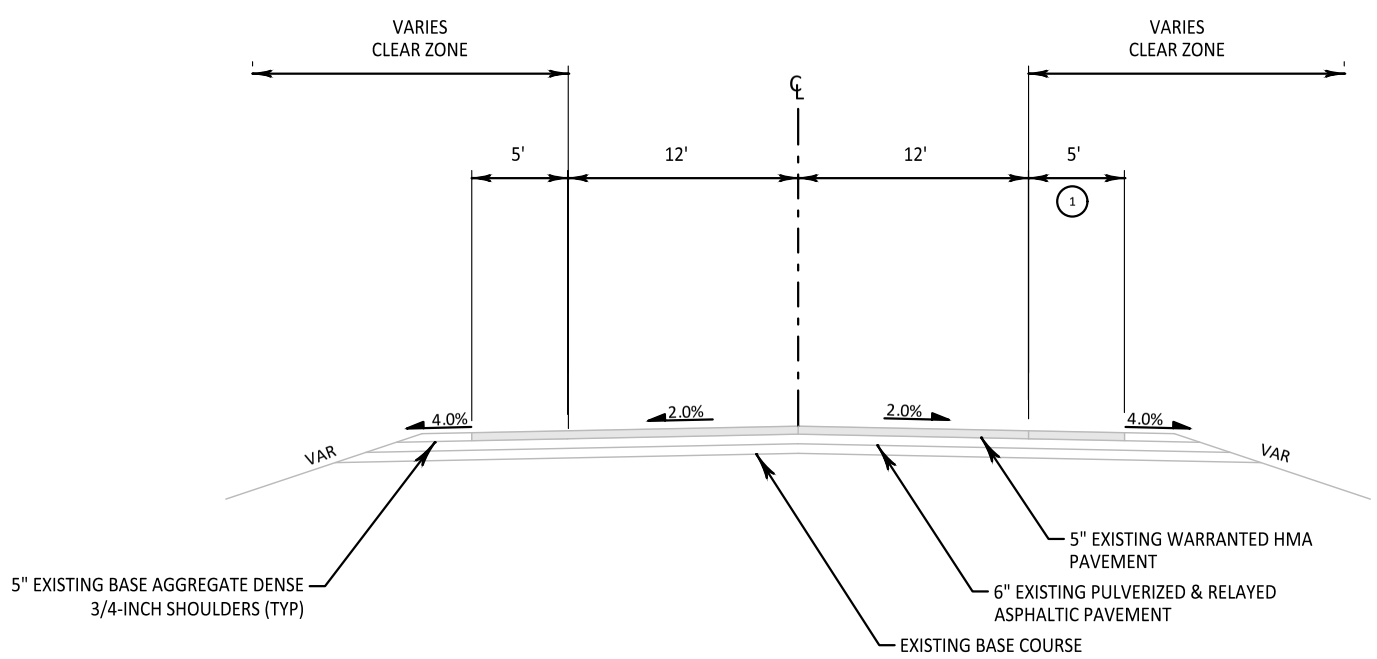
2



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PROJECT OVERVIEW	SHEET 3	E



EXISTING TYPICAL SECTION - USH 61
STA 1281+41 NBA - STA 1284+52 NBA
STA 1286+67 NBB - STA 1300+50 NBB

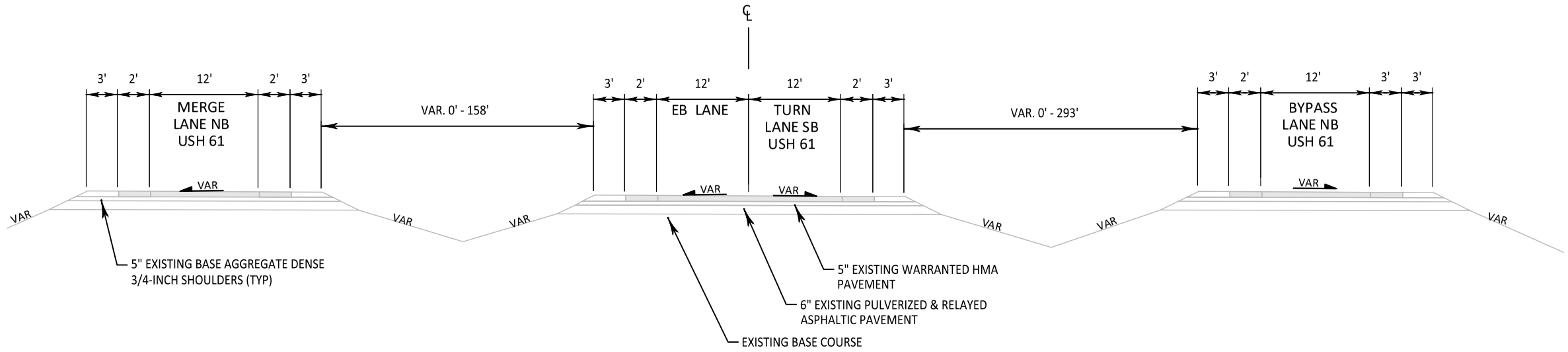


EXISTING TYPICAL SECTION - USH 61
STA 1274+85 NBA - STA 1281+39 NBA
STA 1300+50 NBB - STA 1306+52 NBB

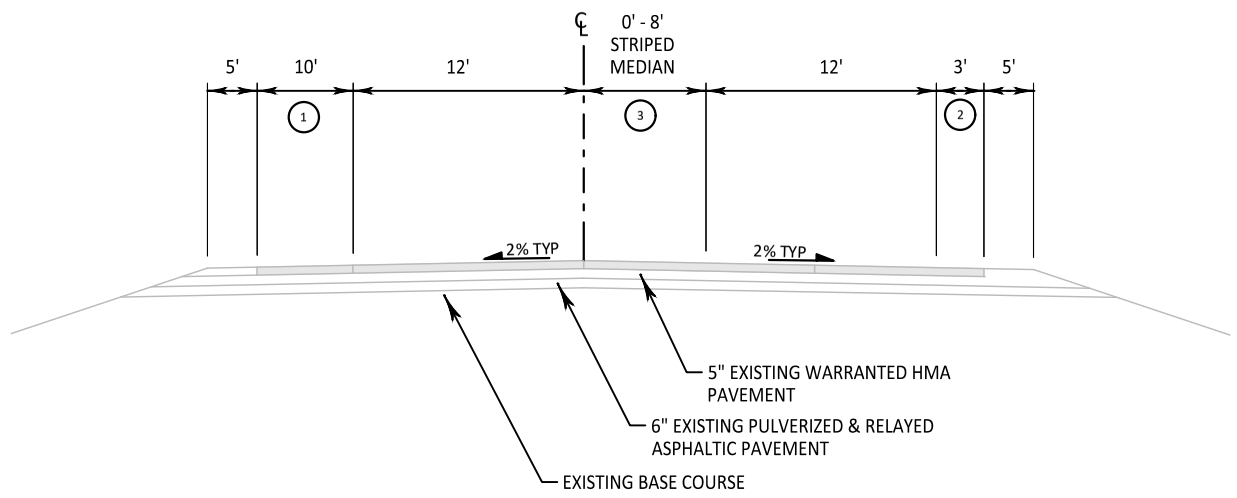
NOTES:

(1) VARIES 5' - 15' STA 1276+08 NBA- STA 1281+39 NBA
VARIES 5' - 18' STA 1300+50 NBB - STA 1303+75 NBB

2



EXISTING TYPICAL SECTION - STH 81 AT INTERSECTION
STA 1284+70 WBA - STA 1286+56 WBA



EXISTING TYPICAL SECTION - STH 81
STA 1275+58 WBA - STA 1284+70 WBA

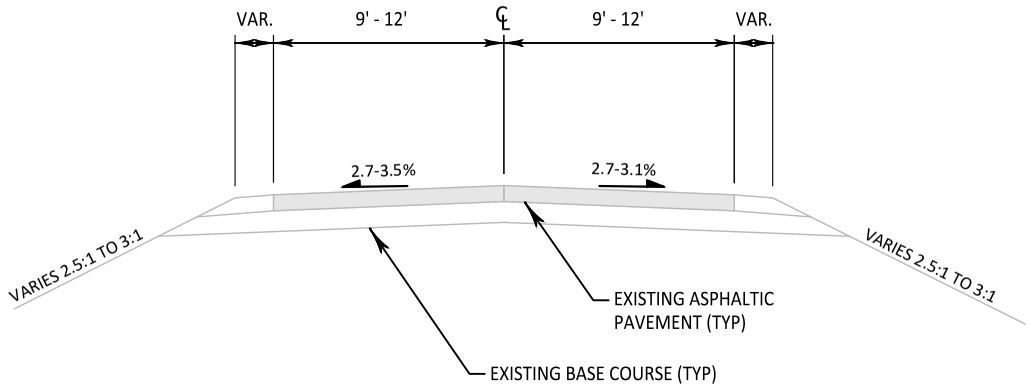
NOTES:

1. VARIES 10' - 29' STA 1277+50 WBA - STA 1286+56 WBA
2. VARIES 3' - 36' STA 1277+50 WBA - STA 1286+56 WBA
3. VARIES 0' - 8' STA 1277+50 WBA - STA 1279+15 WBA

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 5	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\020301_TS.DWG PLOT DATE : 7/16/2022 9:49 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN = 10.0 FT
WISDOT/CADDS SHEET 42

NOTE:
SEE TRAFFIC CONTROL SHEETS FOR TEMPORARY PAVEMENT TYPICAL SECTIONS AND PAVEMENT STRUCTURE

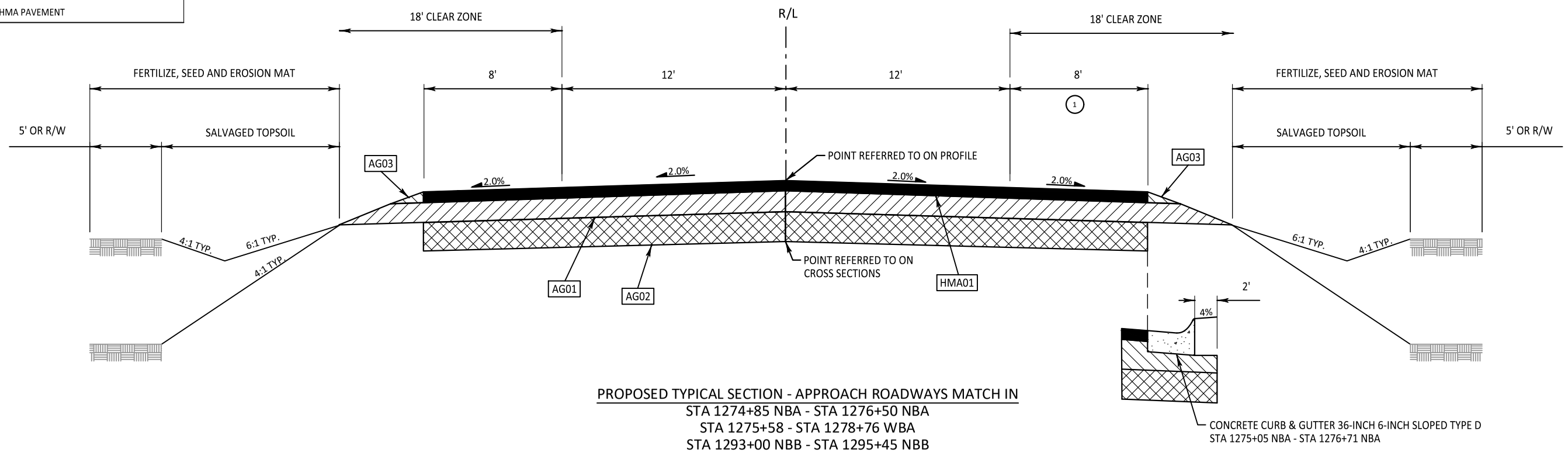


EXISTING TYPICAL SECTION - SIDE ROAD
AUPPERLE RD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 6	E

KEYNOTE LEGEND

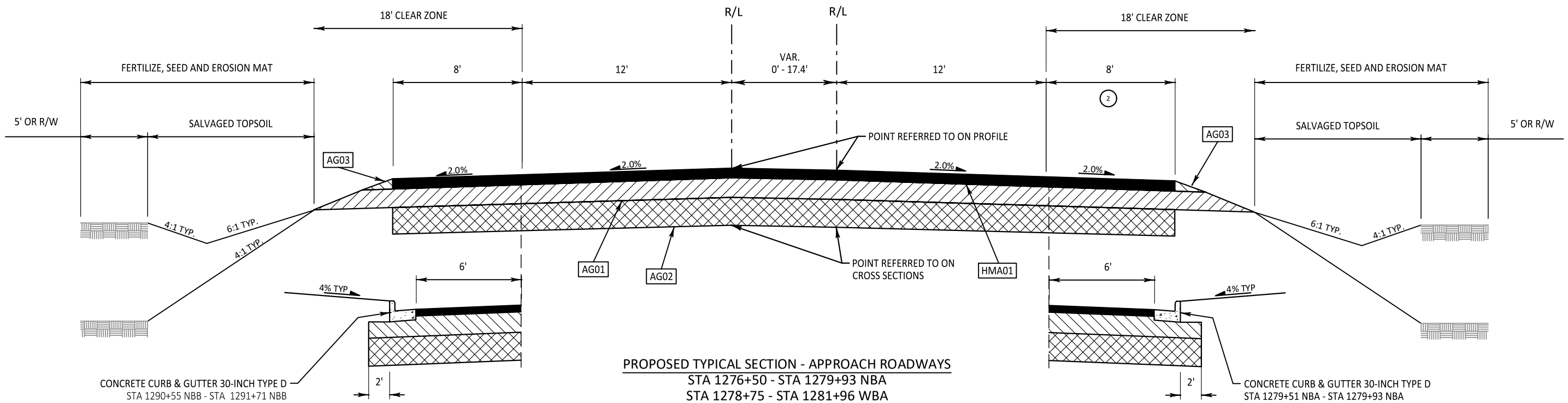
AG01	14" BASE AGGREGATE DENSE 1 1/4-INCH
AG02	16" SELECT CRUSHED MATERIAL
AG03	5.5" BASE AGGREGATE DENSE 3/4-INCH
HMA01	5.5" HMA PAVEMENT



PROPOSED TYPICAL SECTION - APPROACH ROADWAYS MATCH IN
STA 1274+85 NBA - STA 1276+50 NBA
STA 1275+58 - STA 1278+76 WBA
STA 1293+00 NBB - STA 1295+45 NBB

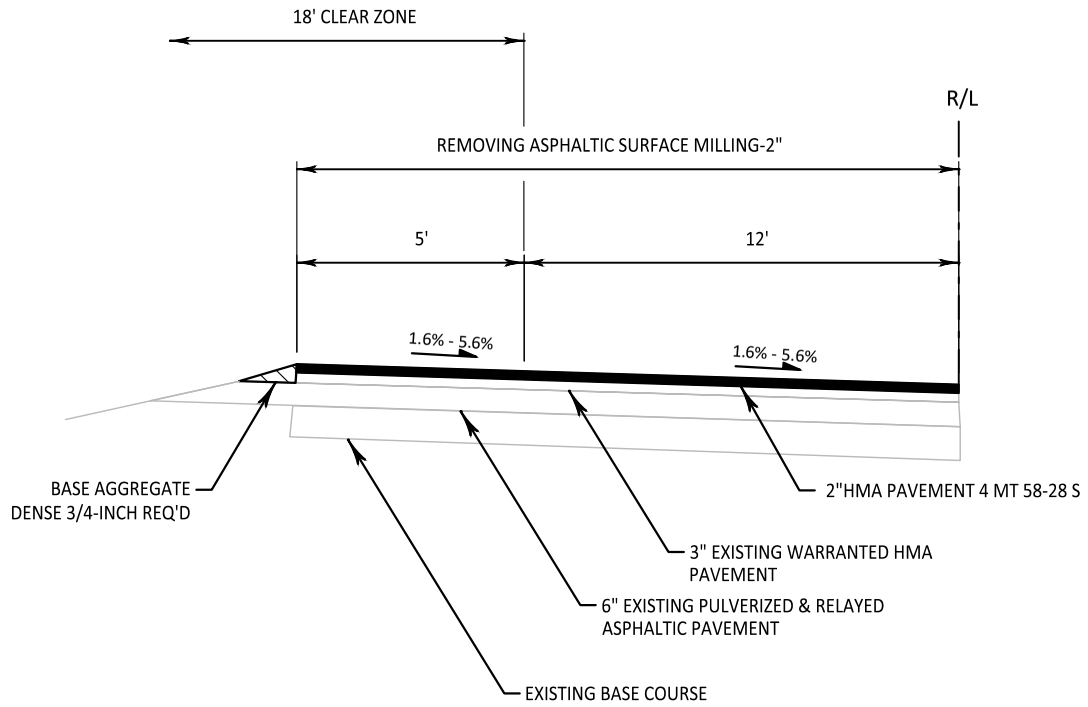
(1) VARIES 8'-12' AT STA 1293+00 NBB - STA 1295+45 NBB

(2) 12' FROM STA 1290+55 NBB - STA 1293+00 NBB

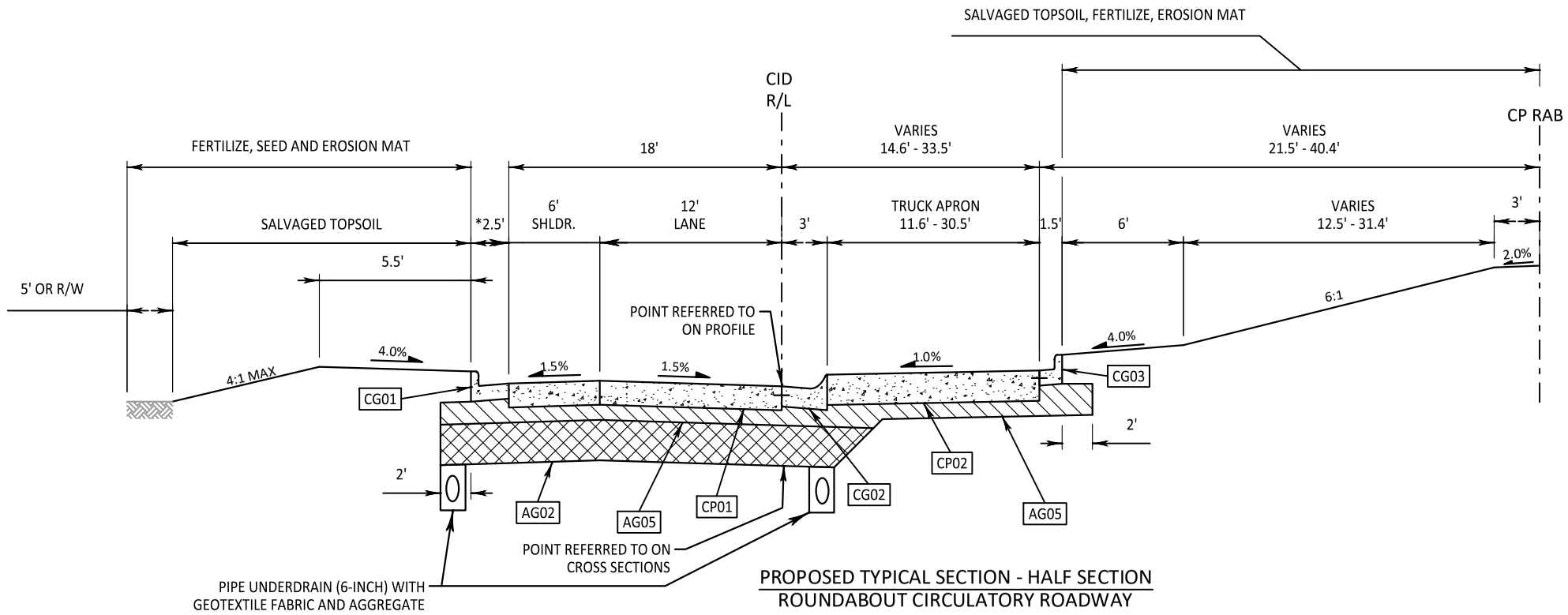


PROPOSED TYPICAL SECTION - APPROACH ROADWAYS
STA 1276+50 - STA 1279+93 NBA
STA 1278+75 - STA 1281+96 WBA
STA 1290+55 NBB - STA 1293+00 NBB

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 7	E



PROPOSED TYPICAL SECTION - APPROACH ROADWAYS MATCH IN
STA 1295+45 NBB - STA 1306+52 NBB



PROPOSED TYPICAL SECTION - HALF SECTION
ROUNDABOUT CIRCULATORY ROADWAY

KEYNOTE LEGEND

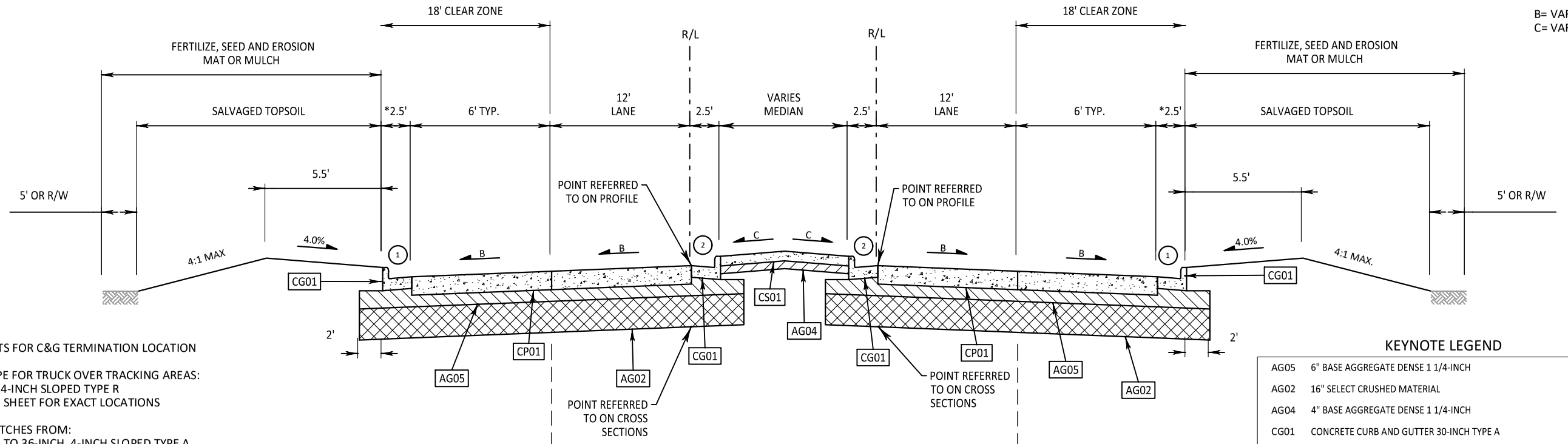
AG05	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG02	16" SELECT CRUSHED MATERIAL
AG04	4" BASE AGGREGATE DENSE 1 1/4-INCH
CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG02	CONCRETE CURB & GUTTER 36-INCH, 4-INCH SLOPED TYPE R
CG03	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE)
CP01	CONCRETE PAVEMENT 9.5-INCH
CP02	CONCRETE TRUCK APRON 12-INCH (RED)
CS01	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 8	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\020301_TS.DWG
PLOT DATE : 7/16/2022 9:49 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 10.0 FT
WISDOT/CADDS SHEET 42

2

B= VARIES, 2.0% TYPICAL
C= VARIES, 4.0% TYPICAL



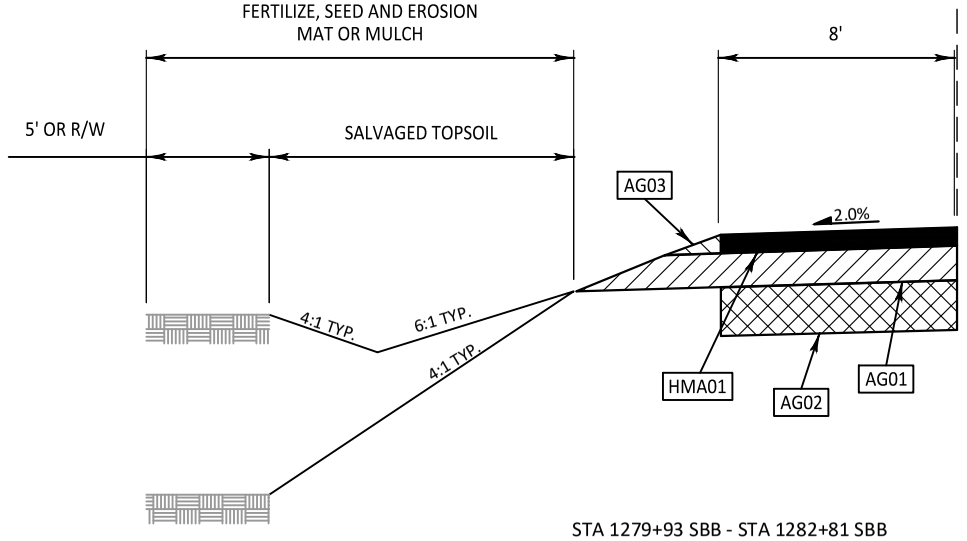
(1) SEE PLAN SHEETS FOR C&G TERMINATION LOCATION

* CURB TYPE FOR TRUCK OVER TRACKING AREAS:
36-INCH, 4-INCH SLOPED TYPE R
SEE PLAN SHEET FOR EXACT LOCATIONS

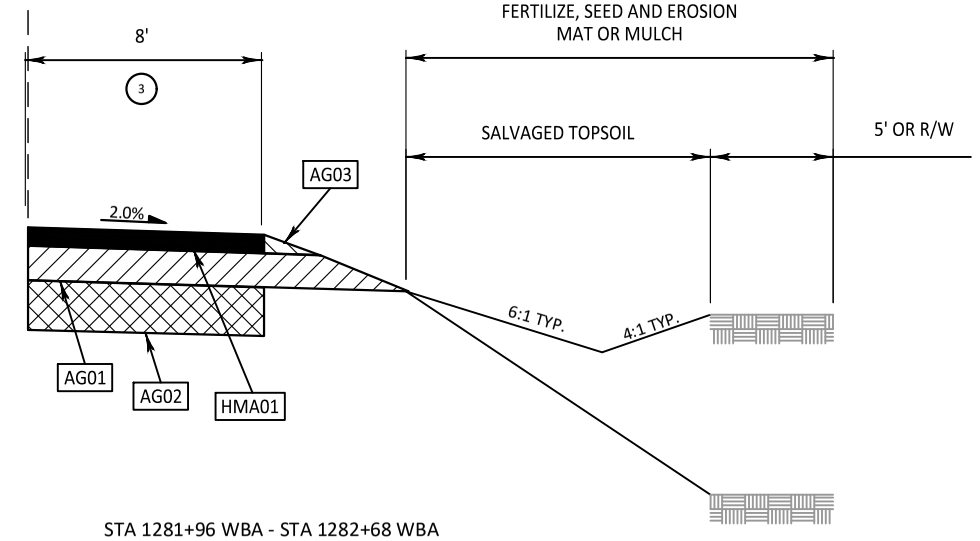
(2) CURB TYPE SWITCHES FROM:
30-INCH TYPE A TO 36-INCH, 4-INCH SLOPED TYPE A
SEE PLAN SHEETS FOR EXACT LOCATIONS

KEYNOTE LEGEND

AG05	6" BASE AGGREGATE DENSE 1 1/4-INCH
AG02	16" SELECT CRUSHED MATERIAL
AG04	4" BASE AGGREGATE DENSE 1 1/4-INCH
CG01	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG02	CONCRETE CURB & GUTTER 36-INCH, 4-INCH SLOPED TYPE R
CP01	CONCRETE PAVEMENT 9.5-INCH
CS01	CONCRETE SIDEWALK 5-INCH



STA 1279+93 SBB - STA 1282+81 SBB
STA 1281+96 EBB - STA 1284+68 EBB



STA 1281+96 WBA - STA 1282+68 WBA
STA 1288+46 NBB - STA 1290+55 NBB

KEYNOTE LEGEND

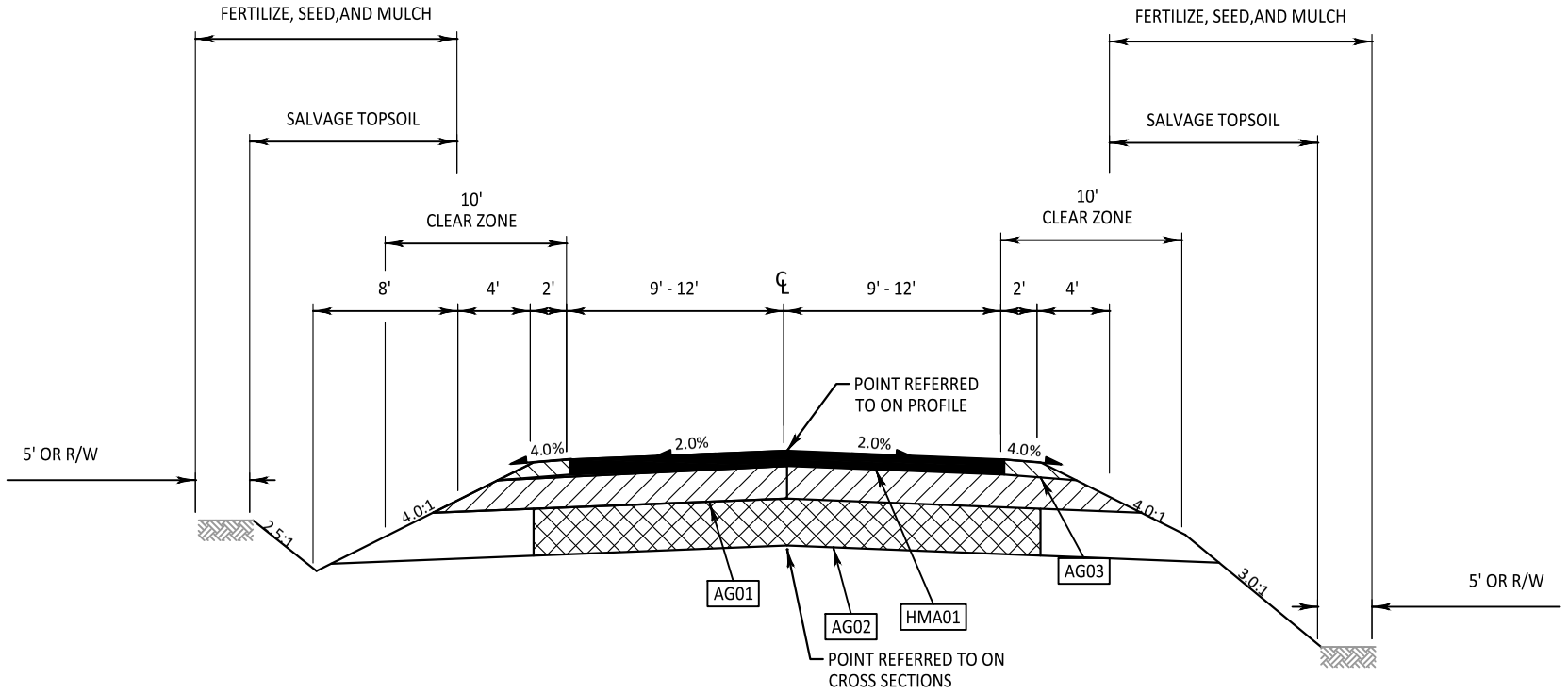
AG01	14" BASE AGGREGATE DENSE 1 1/4-INCH
AG02	16" SELECT CRUSHED MATERIAL
AG03	5.5" BASE AGGREGATE DENSE 3/4-INCH
HMA01	5.5" HMA PAVEMENT

(3) VARIES 18'-24' AT STA 1288+46 NBB - STA 1290+55 NBB

PROPOSED TYPICAL SECTION - SPLITTER ISLANDS

STA 1279+93 NBA - STA 1284+02 NBA
STA 1281+96 WBA - STA 1286+55 WBA
STA 1286+67 NBB - STA 1290+55 NBB

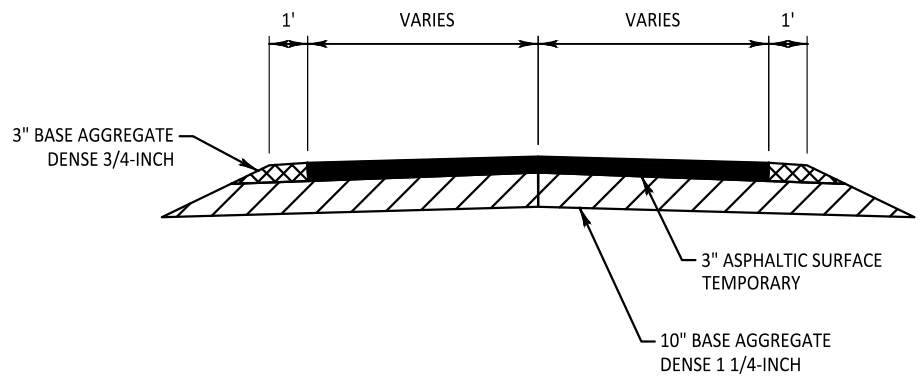
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 9	E



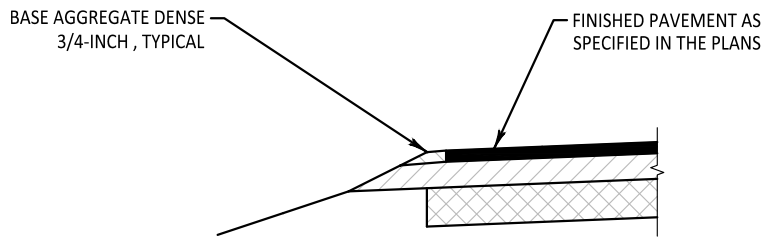
KEYNOTE LEGEND

AG01	14" BASE AGGREGATE DENSE 1 1/4-INCH
AG02	16" SELECT CRUSHED MATERIAL
AG03	5.5" BASE AGGREGATE DENSE 3/4-INCH
HMA01	5.5" HMA PAVEMENT

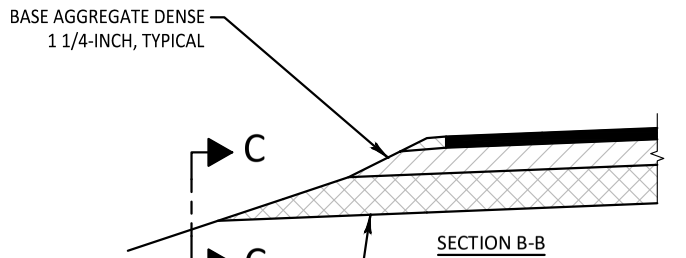
PROPOSED TYPICAL SECTION - SIDE ROADS
AUPPERLE RD



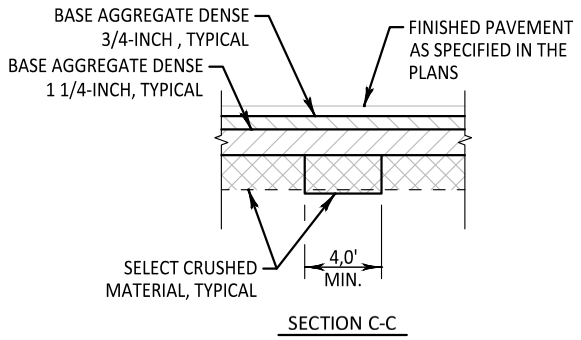
PROPOSED TYPICAL SECTION - TEMPORARY PAVEMENT



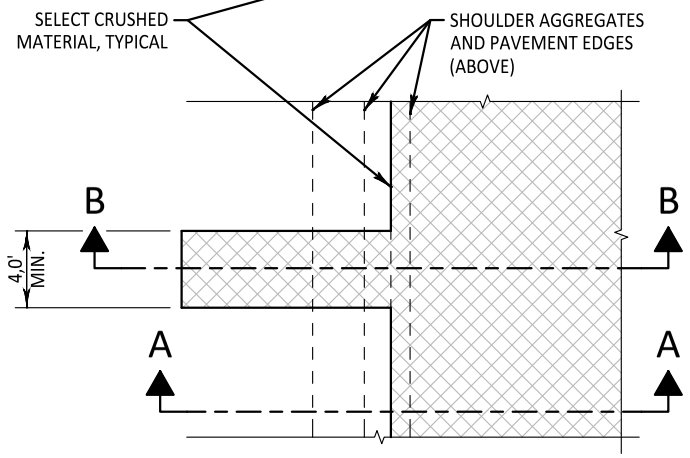
SECTION A-A



SECTION B-B



SECTION C-C



PLAN VIEW

(VIEW PLANE AT TOP OF SELECT CRUSHED MATERIAL)

RELIEF TRENCH

NOTE:

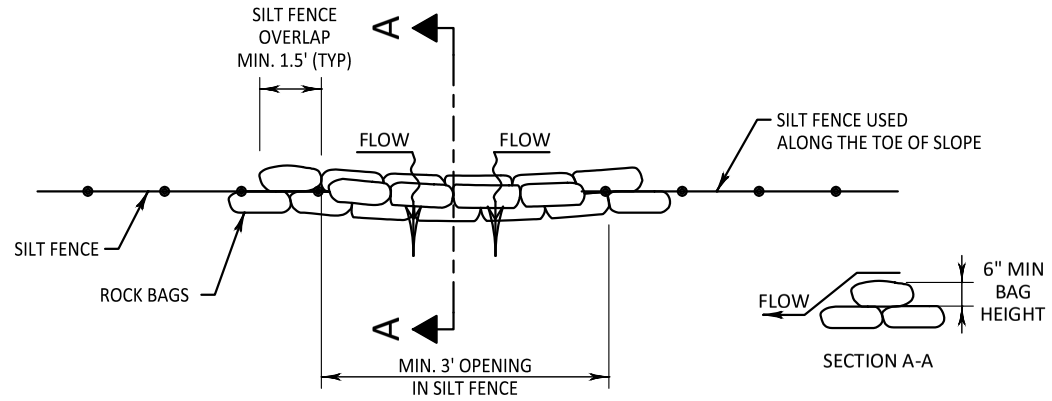
CONSTRUCT RELIEF TRENCHES AT 200'-300' INTERVALS AND AT PROFILE SAG POINTS (LEFT AND RIGHT).

FINAL LOCATIONS TO BE APPROVED OR DETERMINED BY THE ENGINEER IN THE FIELD.

MATERIALS AND LABOR FOR RELIEF TRENCH ARE INCLUDED IN THE SELECT CRUSHED MATERIAL BID ITEM.

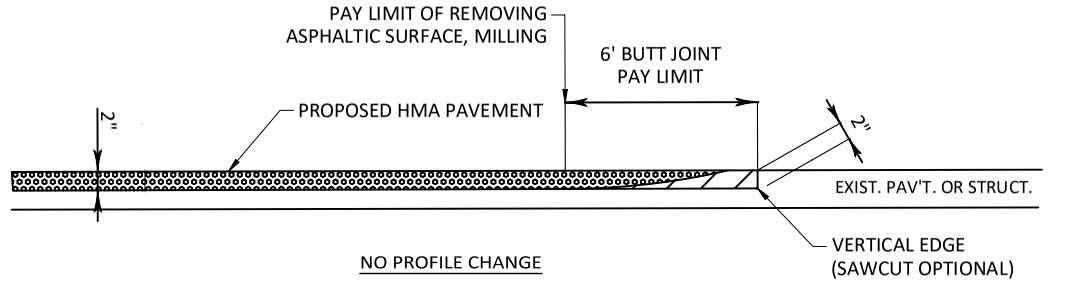
RELIEF TRENCH LOCATIONS:

- STA 1275+00 NBA
- STA 1277+24 NBA
- STA 1279+75 NBA
- STA 1282+25 NBA
- STA 1287+57 NBB
- STA 1288+00 NBB
- STA 1290+50 NBB
- STA 1293+00 NBB
- STA 1295+00 NBB
- STA 1275+75 WBA
- STA 1277+75 WBA
- STA 1280+25 WBA
- STA 1282+75 WBA
- STA 1285+38 WBA



SILT FENCE RELIEF

PAID AS ROCK BAGS

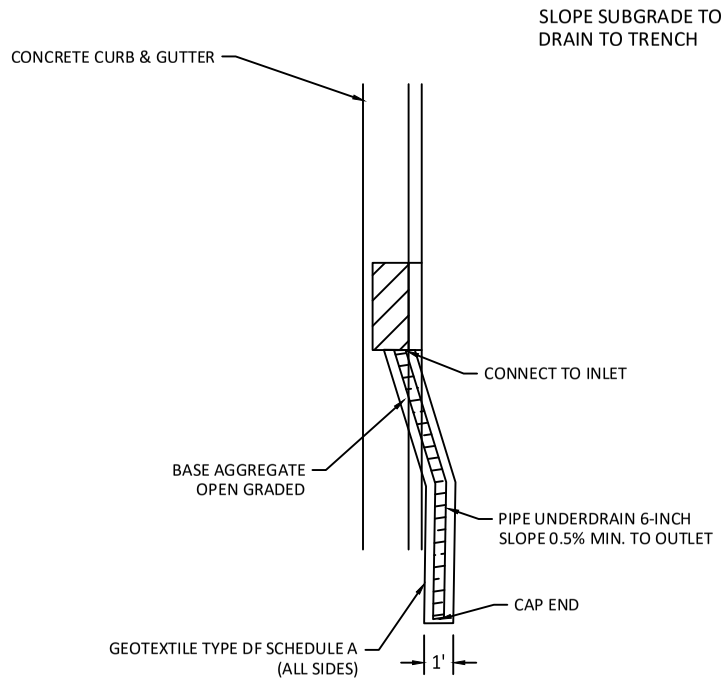


NO PROFILE CHANGE

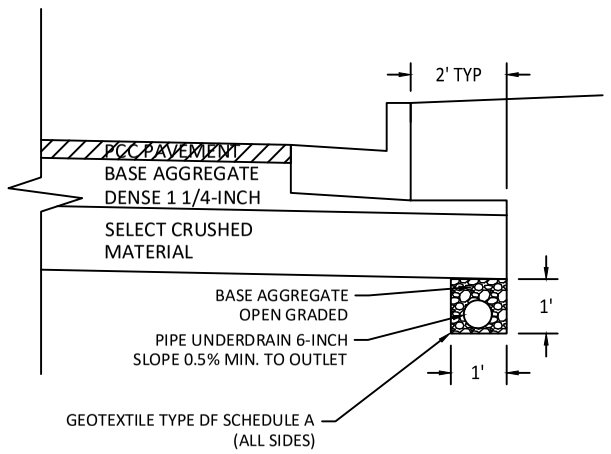
REMOVING ASPHALTIC SURFACE, MILLING

REMOVING ASPHALTIC SURFACE BUTT JOINT

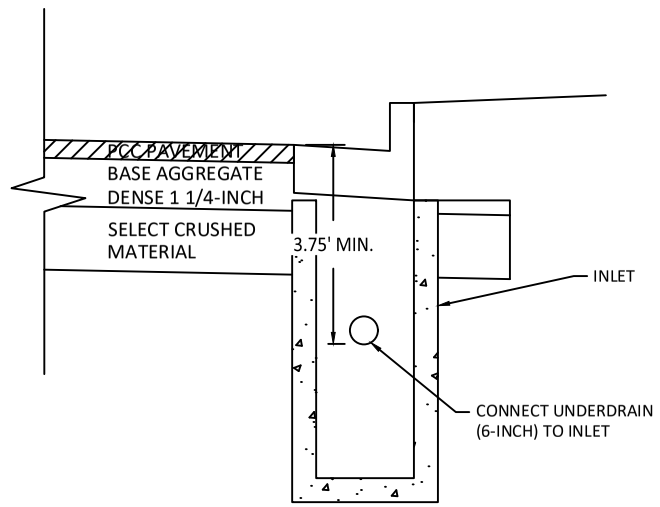
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS



PLAN VIEW

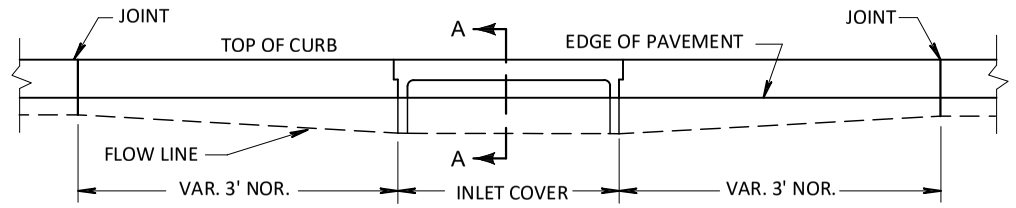


SECTION VIEW
THRU UNDERDRAIN TRENCH

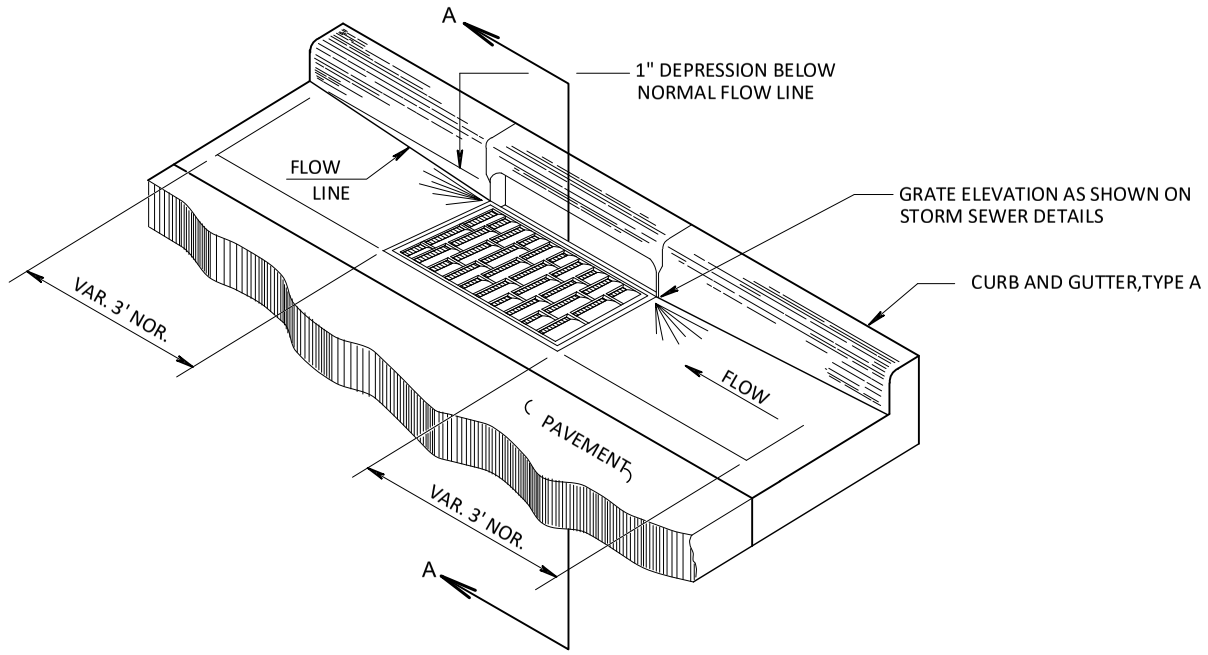


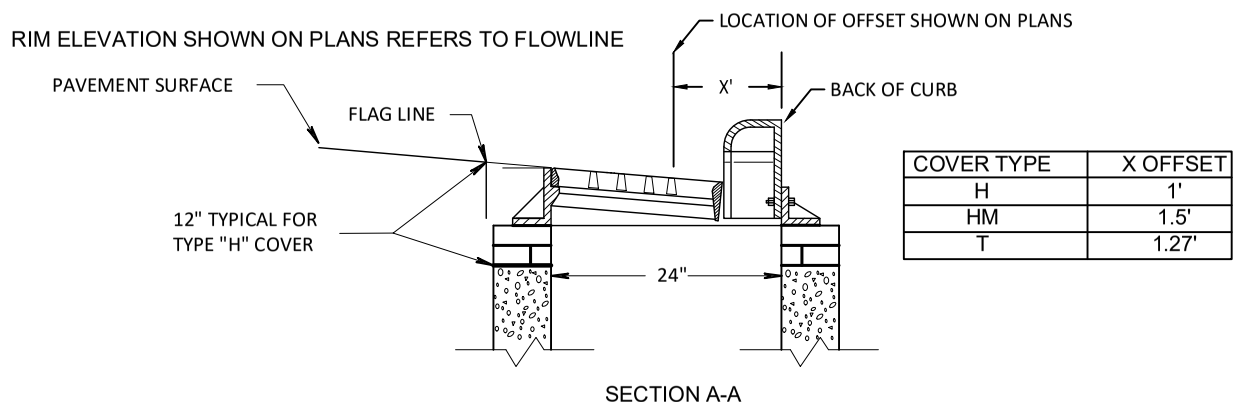
SECTION VIEW
THRU INLET

PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE



ELEVATION





COVER TYPE	X OFFSET
H	1'
HM	1.5'
T	1.27'

SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

2

N

SB USH 61/STH 35

NB USH 61/STH 35

1278'SBB'

1278'NBA'

PT

1279'SBB'

1279'NBA'

PC

1280'SBB'

1280'NBA'

PC

BP

7'CFSE'

1281'SBB'

1281'NBA'

PT

8'CFSE'

1282'SBB'

1282'NBA'

9'CFSE'

1283'SBB'

1283'NBA'

10'CFSE'

PCC

10'CFRW'

MATCH LINE 1283+20'NBA'

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	INTERSECTION DETAILS - CURB FLANGE LAYOUTS	PAGE 01 OF 10	SHEET 13	E

2

N

PC
1278'WBA'
BP
1279'EBB'
1279'WBA'
1280'EBB'
1280'WBA'
EB STH 81
1281'EBB'
WB STH 81
1281'WBA'
PT
1282'EBB'
1282'WBA'
1283'EBB'
PC
1283'WBA'
BP
1283+50'WB'

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	INTERSECTION DETAILS - CURB FLANGE LAYOUTS	PAGE 02 OF 10	SHEET 14 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\021100_ID (INTERSECTION DETAILS).DWGPLOT DATE : 7/16/2022 9:50 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE 1283+20'NBA'

1283+50'WB'

EB STH 81

WB STH 81

1284'EBB'

1284'WBA'

1285'EBB'

1285'WBA'

1286'EBB'

1286'WBA'

11'CFNE'

12'CFNE'

13'CFNE'

14'CFNE'

15'CFNE'

12'CFSE'

11'CFSE'

NB USH 61/STH 35

SB USH 61/STH 35

1284'SBB'

11'CFNW'

12'CFNW'

13'CFNW'

11'CID'

12'CID'

13'CID'

10'CID'

1287'NBB'

1287'SBA'

NB USH 61/STH 35/81

SB USH 61/STH 35/81

1288'NBB'

1288+00'NBB'

MATCH LINE

PC

PT

PCC

PRC

EP

BP

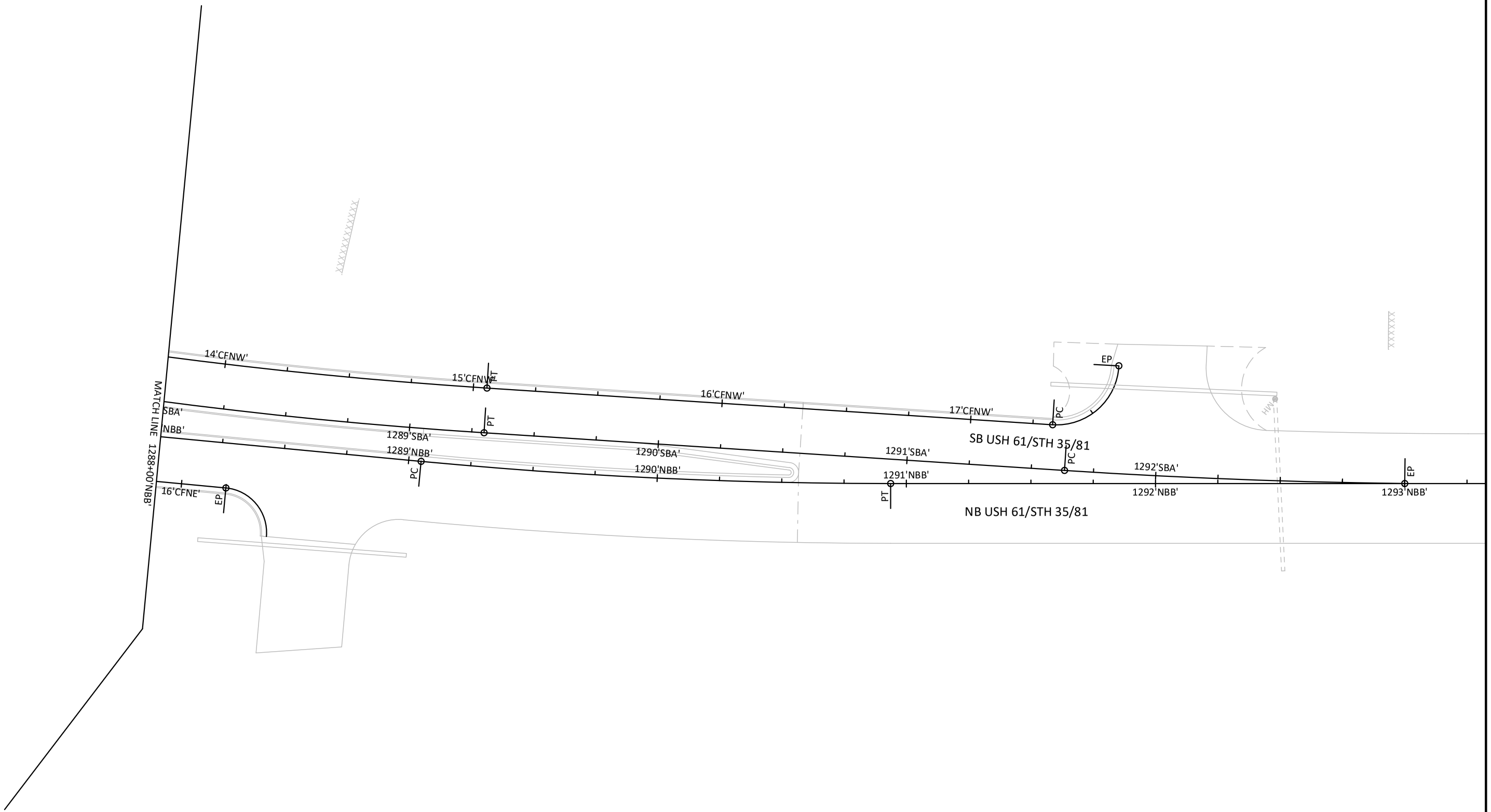
N

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	INTERSECTION DETAILS - CURB FLANGE LAYOUTS	PAGE 03 OF 10	SHEET 15	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\021100_ID (INTERSECTION DETAILS).DWGPLOT DATE : 7/16/2022 9:50 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42

2



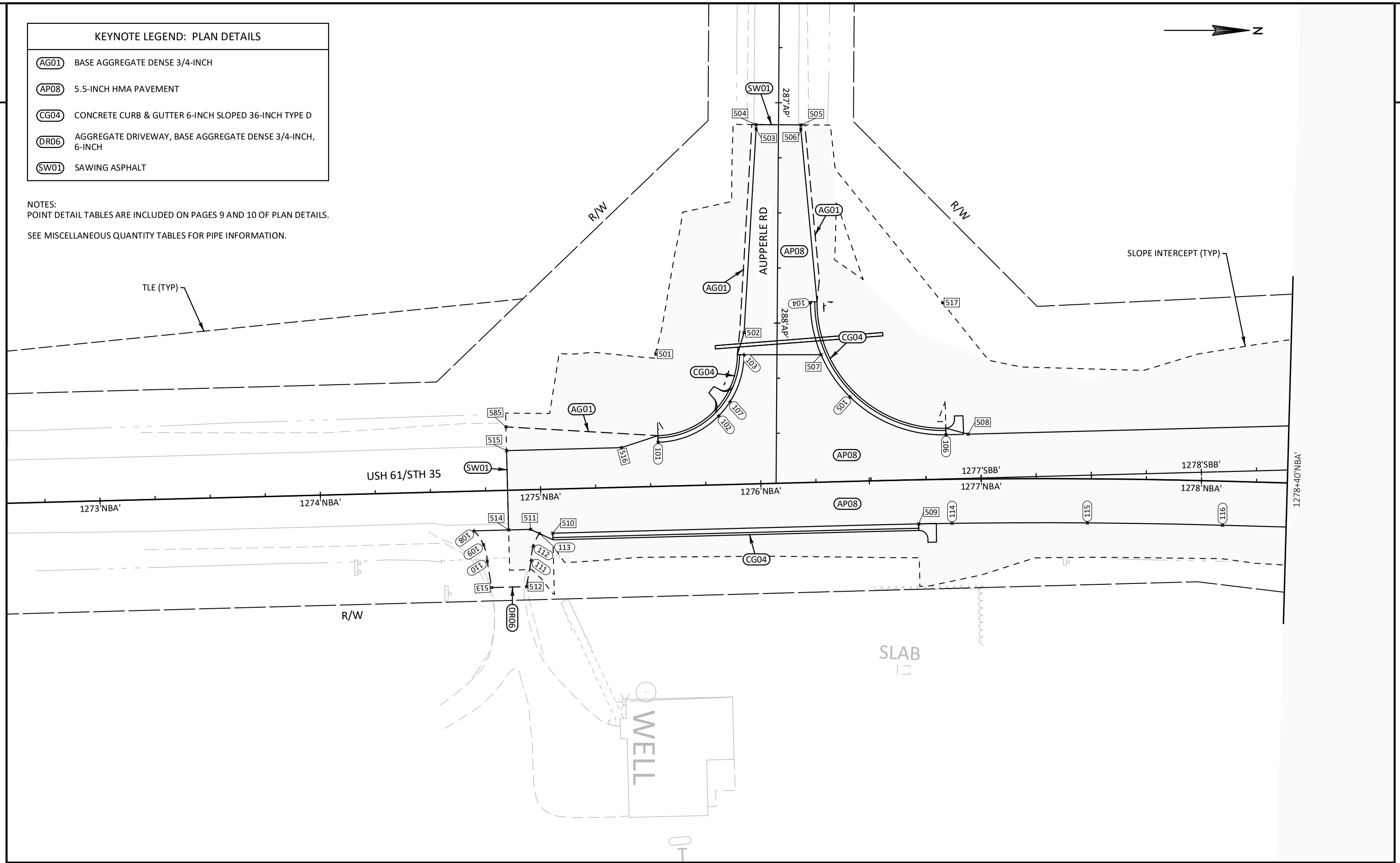
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	INTERSECTION DETAILS - CURB FLANGE LAYOUTS	PAGE 04 OF 10	SHEET 16	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\021100_ID (INTERSECTION DETAILS).DWGPLOT DATE : 7/16/2022 9:50 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PLAN DETAILS	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
CG04	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
SW01	SAWING ASPHALT

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

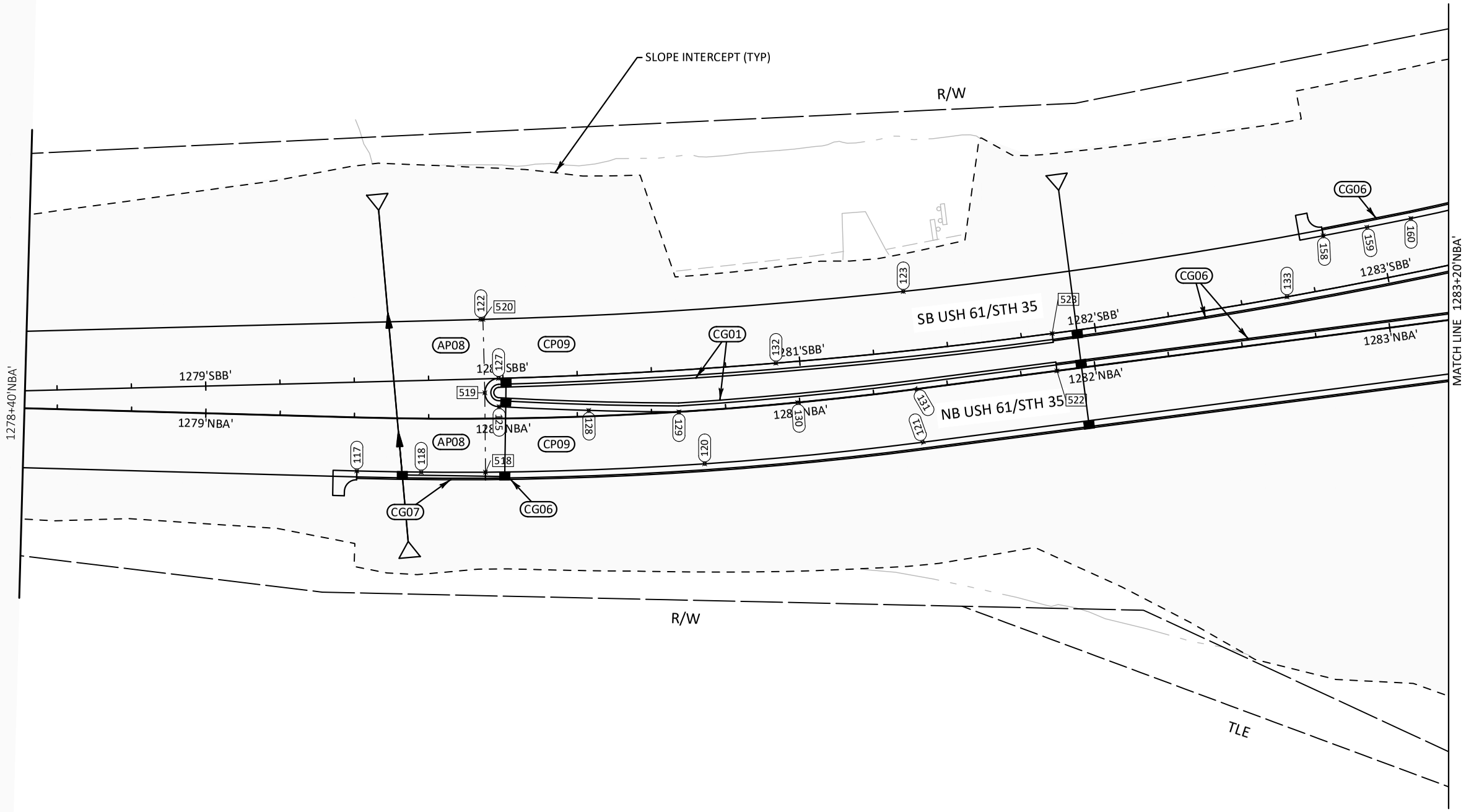


KEYNOTE LEGEND: PLAN DETAILS	
AP08	5.5-INCH HMA PAVEMENT
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG06	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG07	CONCRETE CURB & GUTTER 30-INCH TYPE D
CP09	CONCRETE PAVEMENT 9.5-INCH

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

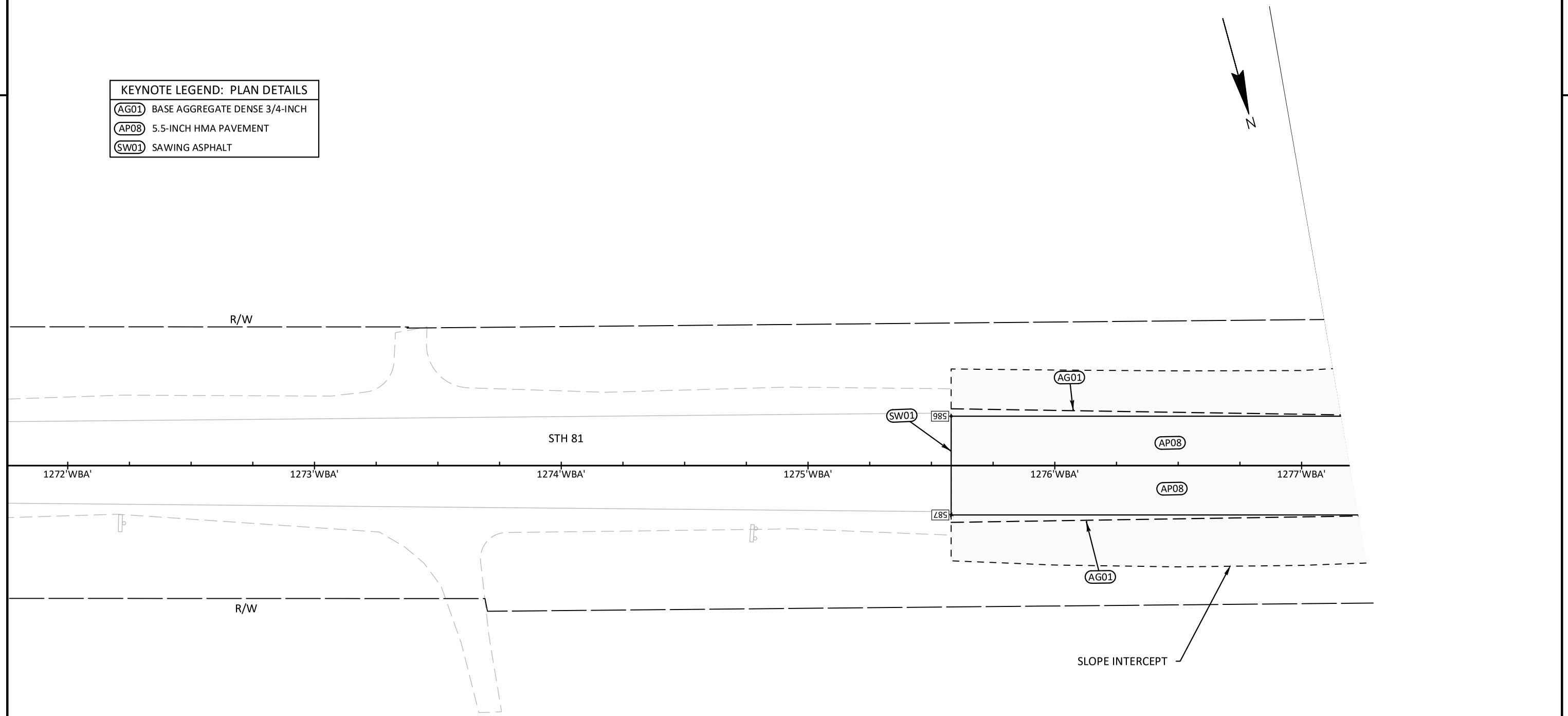
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

N

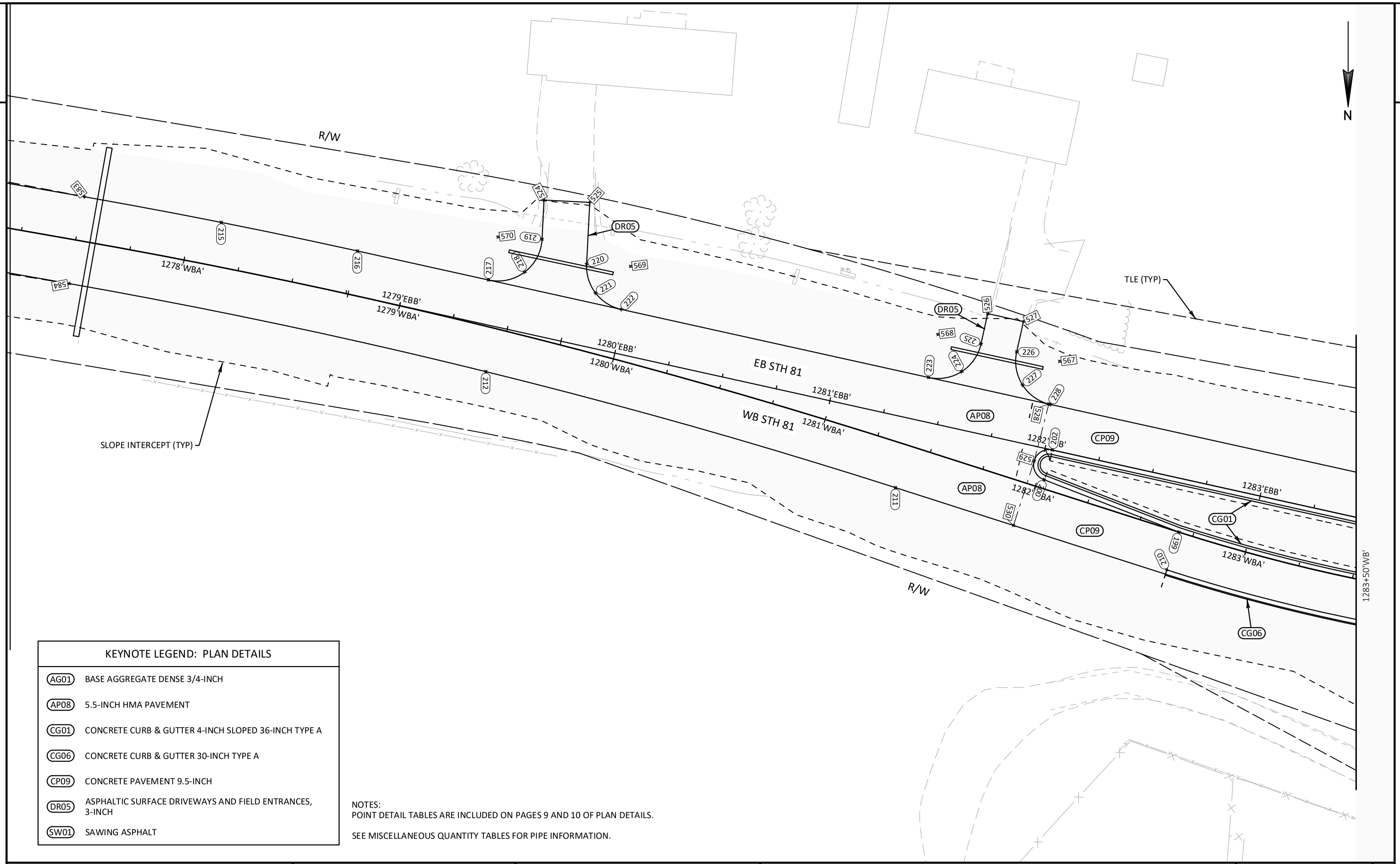


2

KEYNOTE LEGEND: PLAN DETAILS	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
SW01	SAWING ASPHALT



2



KEYNOTE LEGEND: PLAN DETAILS	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG06	CONCRETE CURB & GUTTER 30-INCH TYPE A
CP09	CONCRETE PAVEMENT 9.5-INCH
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
SW01	SAWING ASPHALT

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

2

MATCH LINE 1283+20'NBA'

R/W

NB USH 61/STH 35

SB USH 61/STH 35

CS05

CG06

CP18

CG18

4.5'

1284'NBA'

1284'SBB'

11'CID'

CG23

12'CID'

13'CID'

SLOPE INTERCEPT (TYP)

1283+50'WB'

1284'EBB'

CP09

CG01

1285'EBB'

1286'EBB'

EB STH 81

1284'WBA'

1285'WBA'

1286'WBA'

WB STH 81

DR05

1287'SBA'

1287'NBB'

NB USH 61/STH 35/81

SB USH 61/STH 35/81

1288'NBB'

MATCH LINE 1288+00'NBB'

TLE (TYP)

KEYNOTE LEGEND: PLAN DETAILS	
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG06	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG18	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CG23	CONCRETE CURB & GUTTER 18-INCH TYPE A, REVERSE SLOPE
CP09	CONCRETE PAVEMENT 9.5-INCH
CP18	CONCRETE TRUCK APRON 12-INCH, RED
CS05	CONCRETE SIDEWALK 5-INCH, RED
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

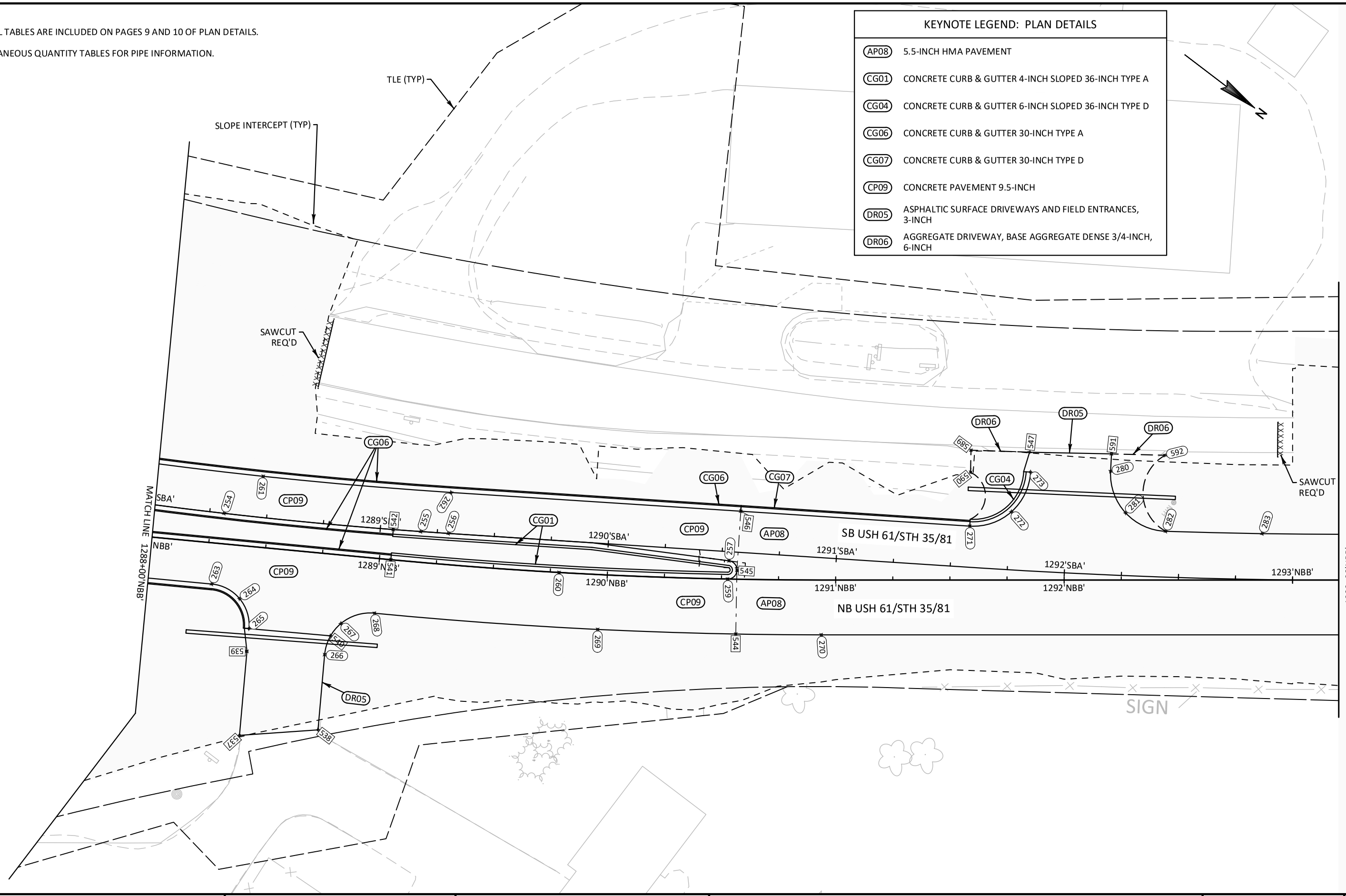
NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

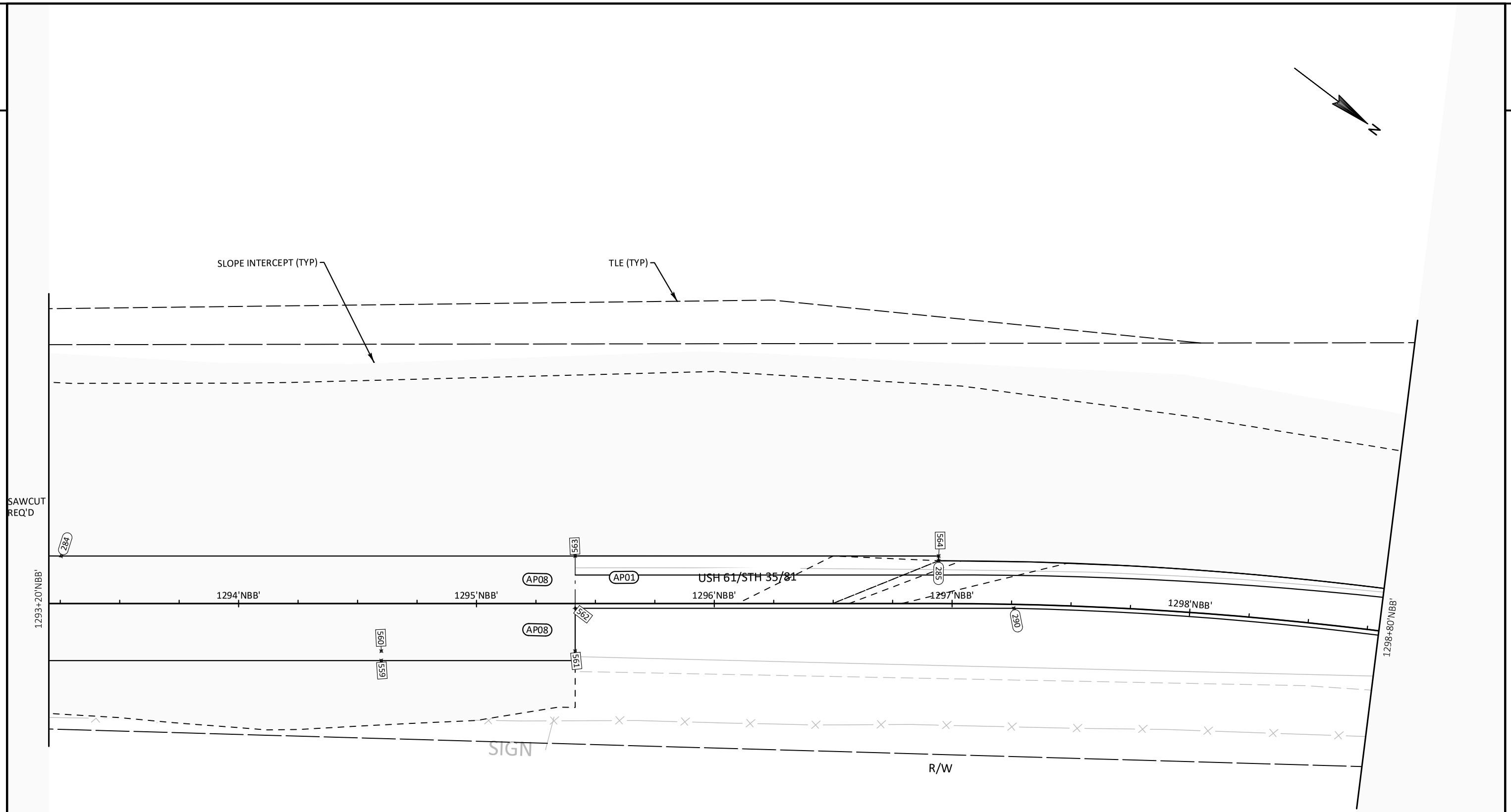
KEYNOTE LEGEND: PLAN DETAILS	
AP08	5.5-INCH HMA PAVEMENT
CG01	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
CG04	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
CG06	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG07	CONCRETE CURB & GUTTER 30-INCH TYPE D
CP09	CONCRETE PAVEMENT 9.5-INCH
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN DETAILS	PAGE 05 OF 10	SHEET 22	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\021201_PD.DWG PLOT DATE : 7/16/2022 9:53 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2



KEYNOTE LEGEND: PLAN DETAILS	
AP01	2.0-INCH HMA PAVEMENT, MILL & OVERLAY
AP08	5.5-INCH HMA PAVEMENT

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

2

2

SLOPE INTERCEPT (TYP)

R/W

1298+80'NBB'

1299'NBB'

1300'NBB'

AP01

1301'NBB'

286

USH 61/STH 35/81

289

1302'NBB'

1303'NBB'

1304'NBB'

1304+00'NBB'

SIGN

R/W

N

KEYNOTE LEGEND: PLAN DETAILS	
AP01	2.0-INCH HMA PAVEMENT, MILL & OVERLAY

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

2

N

STA AHEAD 1304+56.96'NBB' =
STA BACK 1306+16.99'NBB'
(OLP= +160.03')

R/W

AG01

588

566

287

AP01

USH 61/STH 35/81

1305'NBB'

1306'NBB'

1305'NBB'

1306'NBB'

565

1307'NBB'

1308'

288

1304+00'NBB'

'NBB'

R/W

KEYNOTE LEGEND: PLAN DETAILS	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP01	2.0-INCH HMA PAVEMENT, MILL & OVERLAY

NOTES:
POINT DETAIL TABLES ARE INCLUDED ON PAGES 9 AND 10 OF PLAN DETAILS.

SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	BASE LINE STA	OFFSET	ELEV
101	1275+53.84'NBA'	20.00'LT	1275+53.84'NBA'	20.00'LT	0.00
102	1275+81.66'NBA'	31.26'LT	1275+81.66'NBA'	31.26'LT	1058.32
103	1275+93.82'NBA'	58.69'LT	1275+93.82'NBA'	58.69'LT	1058.44
104	1276+24.59'NBA'	81.56'LT	1276+24.59'NBA'	81.56'LT	1058.80
105	1276+41.45'NBA'	38.27'LT	1276+41.45'NBA'	38.27'LT	1058.14
106	1276+84.33'NBA'	20.21'LT	1276+84.33'NBA'	20.21'LT	1057.88
107	1275+86.96'NBA'	37.57'LT	1275+86.96'NBA'	37.57'LT	1058.13
108	1274+69.22'NBA'	18.00'RT	1274+69.22'NBA'	18.00'RT	0.00
109	1274+73.45'NBA'	24.44'RT	1274+73.45'NBA'	24.44'RT	0.00
110	1274+74.94'NBA'	32.00'RT	1274+74.94'NBA'	32.00'RT	0.00
111	1274+94.94'NBA'	32.00'RT	1274+94.94'NBA'	32.00'RT	1058.68
112	1274+95.97'NBA'	25.66'RT	1274+95.97'NBA'	25.66'RT	1058.26
113	1274+98.95'NBA'	19.98'RT	1274+98.95'NBA'	19.98'RT	1059.96
114	1276+86.50'NBA'	20.00'RT	1276+86.50'NBA'	20.00'RT	1057.85
115	1277+48.31'NBA'	20.00'RT	1277+48.31'NBA'	20.00'RT	1057.81
116	1278+10.12'NBA'	20.00'RT	1278+10.12'NBA'	20.00'RT	1058.10
117	1279+51.31'NBA'	18.00'RT	1279+51.31'NBA'	18.00'RT	1060.04
118	1279+72.63'NBA'	18.00'RT	1279+72.63'NBA'	18.00'RT	1060.48
120	1280+66.65'NBA'	18.00'RT	1280+66.65'NBA'	18.00'RT	1062.86
121	1281+39.35'NBA'	18.00'RT	1281+39.35'NBA'	18.00'RT	1065.23
122	1279+92.73'NBA'	33.40'LT	1279+92.73'NBA'	33.40'LT	1060.89
123	1281+39.30'NBA'	33.12'LT	1281+39.30'NBA'	33.12'LT	1065.12
125	1279+98.73'NBA'	4.00'LT	1279+98.73'NBA'	4.00'LT	1061.34
127	1279+98.64'NBA'	13.50'LT	1279+98.64'NBA'	13.50'LT	1061.42
128	1280+28.92'NBA'	2.00'LT	1280+28.92'NBA'	2.00'LT	1062.13
129	1280+59.21'NBA'	0.00'	1280+59.21'NBA'	0.00'	1063.00
130	1280+99.28'NBA'	0.00'	1280+99.28'NBA'	0.00'	1064.23
131	1281+39.35'NBA'	0.00'	1281+39.35'NBA'	0.00'	1065.59
132	1280+93.18'NBA'	13.85'LT	1280+93.18'NBA'	13.85'LT	1064.00
133	1282+67.06'NBA'	14.74'LT	1282+67.06'NBA'	14.74'LT	1070.48
134	1283+44.60'NBA'	21.11'LT	1283+44.60'NBA'	21.11'LT	1073.02
135	1283+46.67'NBA'	0.87'LT	1283+46.67'NBA'	0.87'LT	1073.33
136	1283+69.96'NBA'	4.37'LT	1283+69.96'NBA'	4.37'LT	1073.78
137	1283+92.33'NBA'	8.71'LT	1283+92.33'NBA'	8.71'LT	1074.33
138	1283+94.79'NBA'	10.69'LT	1283+94.79'NBA'	10.69'LT	1074.36
139	1283+94.98'NBA'	14.02'LT	1283+94.98'NBA'	14.02'LT	1074.31
140	1283+91.42'NBA'	35.01'LT	1283+91.42'NBA'	35.01'LT	1074.11
141	1283+89.44'NBA'	39.26'LT	1283+89.44'NBA'	39.26'LT	1074.04
142	1283+85.75'NBA'	39.22'LT	1283+85.75'NBA'	39.22'LT	1073.94
143	1283+59.17'NBA'	19.12'RT	1283+59.17'NBA'	19.12'RT	1073.32
144	1283+89.31'NBA'	21.02'RT	1283+89.31'NBA'	21.02'RT	1074.12
145	1286+47.51'WBA'	91.70'LT	1286+47.51'WBA'	91.70'LT	1074.44
146	1286+44.44'WBA'	78.10'LT	1286+44.44'WBA'	78.10'LT	1074.64
147	1286+25.80'WBA'	45.48'LT	1286+25.80'WBA'	45.48'LT	1074.65
148	1285+95.66'WBA'	28.22'LT	1285+95.66'WBA'	28.22'LT	1074.22
149	1285+37.14'WBA'	27.30'LT	1285+37.14'WBA'	27.30'LT	1073.86
150	1284+75.18'WBA'	34.80'LT	1284+75.18'WBA'	34.80'LT	1074.28
151	1283+30.04'NBA'	25.50'RT	1283+30.04'NBA'	25.50'RT	1072.82
152	1283+58.55'NBA'	26.60'RT	1283+58.55'NBA'	26.60'RT	1073.62
153	1283+88.39'NBA'	28.49'RT	1283+88.39'NBA'	28.49'RT	1074.42

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	BASE LINE STA	OFFSET	ELEV
154	1286+40.74'WBA'	82.05'LT	1286+40.74'WBA'	82.05'LT	1074.97
155	1286+22.72'WBA'	51.52'LT	1286+22.72'WBA'	51.52'LT	1074.95
156	1285+94.77'WBA'	35.63'LT	1285+94.77'WBA'	35.63'LT	1074.52
157	1285+61.20'WBA'	33.88'LT	1285+61.20'WBA'	33.88'LT	1074.22
158	1282+81.80'NBA'	33.54'LT	1282+81.80'NBA'	33.54'LT	1070.73
159	1282+96.80'NBA'	34.46'LT	1282+96.80'NBA'	34.46'LT	1071.28
160	1283+11.78'NBA'	35.51'LT	1283+11.78'NBA'	35.51'LT	1071.77
161	1283+41.26'NBA'	39.22'LT	1283+41.26'NBA'	39.22'LT	1072.63
162	1283+63.24'NBA'	49.88'LT	1283+63.24'NBA'	49.88'LT	1073.20
163	11+32.42'CID'	30.02'LT	141+57.53'EB'	216.77'RT	1073.67
164	11+64.23'CID'	18.00'LT	141+57.53'EB'	216.77'RT	1073.86
165	11+84.22'CID'	18.00'LT	141+57.53'EB'	216.77'RT	1073.97
166	1287+17.06'NBB'	49.28'LT	1287+17.06'NBB'	49.28'LT	1074.03
167	10+86.39'CID'	0.00'	141+57.53'EB'	216.77'RT	1074.27
168	11+72.79'CID'	0.00'	141+57.53'EB'	216.77'RT	1073.78
169	12+59.18'CID'	0.00'	141+57.53'EB'	216.77'RT	1074.83
170	10+00.00'CID'	0.00'	141+57.53'EB'	216.77'RT	1075.33
171	10+56.86'CID'	19.90'RT	141+57.53'EB'	216.77'RT	1075.23
172	10+46.34'CID'	17.29'RT	141+57.53'EB'	216.77'RT	1075.36
173	10+35.45'CID'	18.31'RT	141+57.53'EB'	216.77'RT	1075.51
174	13+39.66'CID'	22.81'RT	141+57.53'EB'	216.77'RT	1075.90
175	13+00.43'CID'	16.03'RT	141+57.53'EB'	216.77'RT	1075.77
176	12+89.87'CID'	14.60'RT	141+57.53'EB'	216.77'RT	1075.67
177	12+79.61'CID'	17.23'RT	141+57.53'EB'	216.77'RT	1075.59
178	12+31.77'CID'	31.45'RT	141+57.53'EB'	216.77'RT	1075.06
179	11+61.52'CID'	30.14'RT	141+57.53'EB'	216.77'RT	1074.36
180	11+48.92'CID'	28.79'RT	141+57.53'EB'	216.77'RT	1074.34
181	11+36.24'CID'	29.36'RT	141+57.53'EB'	216.77'RT	1074.39
182	10+91.01'CID'	29.13'RT	141+57.53'EB'	216.77'RT	1074.72
183	1286+40.21'WBA'	25.00'LT	1286+40.21'WBA'	25.00'LT	1075.16
184	1286+43.90'WBA'	25.19'LT	1286+43.90'WBA'	25.19'LT	1075.26
185	1286+46.31'WBA'	21.72'LT	1286+46.31'WBA'	21.72'LT	1075.31
186	1286+51.91'WBA'	5.94'LT	1286+51.91'WBA'	5.94'LT	1075.40
187	1286+51.94'WBA'	2.00'LT	1286+51.94'WBA'	2.00'LT	1075.46
188	1286+46.16'WBA'	0.00'	1286+46.16'WBA'	0.00'	1075.30
189	1283+92.43'NBA'	24.33'LT	1283+92.43'NBA'	24.33'LT	1074.22
190	1286+48.52'WBA'	13.61'LT	1286+48.52'WBA'	13.61'LT	1075.36
191	1286+18.32'WBA'	0.00'LT	1286+18.32'WBA'	0.00'LT	1074.92
192	1285+88.07'WBA'	0.00'LT	1285+88.07'WBA'	0.00'LT	1074.52
193	1285+72.18'WBA'	8.47'LT	1285+72.18'WBA'	8.47'LT	1074.34
194	1285+22.39'WBA'	10.51'LT	1285+22.39'WBA'	10.51'LT	1074.24
196	1285+24.43'WBA'	0.00'LT	1285+24.43'WBA'	0.00'LT	1074.26
197	1284+98.08'WBA'	0.00'LT	1284+98.08'WBA'	0.00'LT	1074.42
198	1283+70.09'WBA'	0.00'LT	1283+70.09'WBA'	0.00'LT	1076.72
199	1282+68.46'WBA'	0.00'LT	1282+68.46'WBA'	0.00'LT	1078.76
200	1282+02.90'WBA'	4.01'LT	1282+02.90'WBA'	4.01'LT	0.00
202	1282+02.38'WBA'	17.97'LT	1282+02.38'WBA'	17.97'LT	1079.91
203	12+90.26'CID'	26.03'LT	141+57.53'EB'	216.77'RT	1075.16
204	13+07.81'CID'	20.24'LT	141+57.53'EB'	216.77'RT	1075.40
205	13+25.41'CID'	25.86'LT	141+57.53'EB'	216.77'RT	1075.34

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	BASE LINE STA	OFFSET	ELEV
206	1286+24.93'WBA'	20.13'RT	1286+24.93'WBA'	20.13'RT	1074.69
207	1285+81.13'WBA'	18.00'RT	1285+81.13'WBA'	18.00'RT	1074.09
208	1285+24.43'WBA'	18.00'RT	1285+24.43'WBA'	18.00'RT	1073.90
209	1283+96.45'WBA'	18.00'RT	1283+96.45'WBA'	18.00'RT	1075.83
210	1282+68.47'WBA'	18.00'RT	1282+68.47'WBA'	18.00'RT	1078.40
211	1281+39.78'WBA'	20.00'RT	1281+39.78'WBA'	20.00'RT	1080.53
212	1279+45.13'WBA'	20.00'RT	1279+45.13'WBA'	20.00'RT	1082.47
215	1278+13.23'WBA'	20.00'LT	1278+13.23'WBA'	20.00'LT	1082.96
216	1278+75.96'WBA'	20.00'LT	1278+75.96'WBA'	20.00'LT	1082.77
217	1279+36.42'WBA'	20.64'LT	1279+36.42'WBA'	20.64'LT	1082.50
218	1279+51.39'WBA'	28.09'LT	1279+51.39'WBA'	28.09'LT	1080.64
219	1279+55.36'WBA'	44.43'LT	1279+55.36'WBA'	44.43'LT	1081.35
220	1279+77.44'WBA'	38.51'LT	1279+77.44'WBA'	38.51'LT	1079.54
221	1279+84.60'WBA'	26.81'LT	1279+84.60'WBA'	26.81'LT	1081.00
222	1279+97.58'WBA'	22.60'LT	1279+97.58'WBA'	22.60'LT	1082.08
223	1281+38.79'WBA'	32.18'LT	1281+38.79'WBA'	32.18'LT	1080.48
224	1281+52.33'WBA'	39.32'LT	1281+52.33'WBA'	39.32'LT	1078.81
225	1281+56.86'WBA'	53.94'LT	1281+56.86'WBA'	53.94'LT	1078.32
226	1281+73.39'WBA'	55.46'LT	1281+73.39'WBA'	55.46'LT	1078.07
227	1281+80.52'WBA'	41.92'LT	1281+80.52'WBA'	41.92'LT	1078.37
228	1281+95.14'WBA'	37.39'LT	1281+95.14'WBA'	37.39'LT	1079.60
237	1284+93.70'WBA'	41.86'RT	1284+93.70'WBA'	41.86'RT	1073.46
238	1284+98.61'WBA'	26.89'RT	1284+98.61'WBA'	26.89'RT	1074.55
239	1285+12.68'WBA'	20.50'RT	1285+12.68'WBA'	20.50'RT	1074.38
240	1285+18.56'WBA'	20.50'RT	1285+18.56'WBA'	20.50'RT	1074.35
241	1285+24.44'WBA'	20.50'RT	1285+24.44'WBA'	20.50'RT	1074.32
242	1284+43.04'WBA'	20.50'RT	1284+43.04'WBA'	20.50'RT	1075.32
243	1284+55.73'WBA'	25.48'RT	1284+55.73'WBA'	25.48'RT	1075.27
244	1284+61.94'WBA'	37.87'RT	1284+61.94'WBA'	37.87'RT	1073.62
245	1286+81.51'NBB'	3.51'LT	1286+81.51'NBB'	3.51'LT	1074.95
246	1286+77.31'NBB'	6.41'LT	1286+77.31'NBB'	6.41'LT	1075.02
247	1286+77.84'NBB'	11.48'LT	1286+77.84'NBB'	11.48'LT	1074.98
248	1286+83.85'NBB'	21.06'LT	1286+83.85'NBB'	21.06'LT	1074.87
249	1286+87.57'NBB'	29.35'LT	1286+87.57'NBB'	29.35'LT	1074.77
250	1286+90.64'NBB'	33.87'LT	1286+90.64'NBB'	33.87'LT	1074.70
251	1286+93.99'NBB'	33.68'LT	1286+93.99'NBB'	33.68'LT	1074.62
252	1287+24.16'NBB'	21.53'LT	1287+24.16'NBB'	21.53'LT	1074.25
253	1287+56.24'NBB'	16.17'LT	1287+56.24'NBB'	16.17'LT	1073.97
254	1288+30.50'NBB'	13.32'LT	1288+30.50'NBB'	13.32'LT	1074.45
255	1289+17.02'NBB'	13.45'LT	1289+17.02'NBB'	13.45'LT	1076.09
256	1289+29.22'NBB'	13.66'LT	1289+29.22'NBB'	13.66'LT	1076.32
257	1290+53.14'NBB'	7.98'LT	1290+53.14'NBB'	7.98'LT	0.00
259	1290+52.70'NBB'	0.00'	1290+52.70'NBB'	0.00'	1078.60
260	1289+78.85'NBB'	0.00'	1289+78.85'NBB'	0.00'	1077.36
261	1288+45.93'NBB'	31.08'LT	1288+45.93'NBB'	31.08'LT	1074.38
262	1289+28.90'NBB'	31.66'LT	1289+28.90'NBB'	31.66'LT	1075.96
263	1288+28.02'NBB'	18.00'RT	1288+28.02'NBB'	18.00'RT	1074.49
264	1288+40.70'NBB'	23.23'RT	1288+40.70'NBB'	23.23'RT	1073.84
265	1288+46.02'NBB'	35.89'RT	1288+46.02'NBB'	35.89'RT	1071.85
266	1288+80.07'NBB'	44.12'RT	1288+80.07'NBB'	44.12'RT	1074.47

2

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	BASE LINE STA	OFFSET	ELEV
267	1288+85.90'NBB'	29.88'RT	1288+85.90'NBB'	29.88'RT	1073.17
268	1289+00.12'NBB'	23.99'RT	1289+00.12'NBB'	23.99'RT	1075.57
269	1289+96.93'NBB'	24.00'RT	1289+96.93'NBB'	24.00'RT	1077.18
270	1290+93.69'NBB'	24.00'RT	1290+93.69'NBB'	24.00'RT	1078.80
271	1291+51.79'NBB'	24.05'LT	1291+51.79'NBB'	24.05'LT	1079.91
272	1291+67.88'NBB'	29.61'LT	1291+67.88'NBB'	29.61'LT	1078.79
273	1291+75.19'NBB'	44.98'LT	1291+75.19'NBB'	44.98'LT	1079.21
280	1292+28.62'NBB'	42.12'LT	1292+28.62'NBB'	42.12'LT	1080.26
281	1292+33.92'NBB'	27.62'LT	1292+33.92'NBB'	27.62'LT	1079.07
282	1292+47.98'NBB'	21.21'LT	1292+47.98'NBB'	21.21'LT	1081.16
283	1292+86.69'NBB'	20.30'LT	1292+86.69'NBB'	20.30'LT	1081.86
284	1293+25.42'NBB'	20.00'LT	1293+25.42'NBB'	20.00'LT	1082.80
285	1296+94.37'NBB'	18.00'LT	1296+94.37'NBB'	18.00'LT	1084.45
286	1301+55.68'NBB'	18.00'LT	1301+55.68'NBB'	18.00'LT	0.00
287	1304+56.96'NBB'	18.00'LT	1304+56.96'NBB'	18.00'LT	0.00
288	1304+56.96'NBB'	2.00'RT	1304+56.96'NBB'	2.00'RT	0.00
289	1301+71.48'NBB'	2.01'RT	1301+71.48'NBB'	2.01'RT	0.00
290	1297+26.03'NBB'	1.67'RT	1297+26.03'NBB'	1.67'RT	0.00
501	1275+53.84'NBA'	60.00'LT	1275+53.84'NBA'	60.00'LT	1060.85
502	1275+94.15'NBA'	68.69'LT	1275+94.15'NBA'	68.69'LT	1058.59
503	1276+02.01'NBA'	160.97'LT	1276+02.01'NBA'	160.97'LT	1059.12
504	1276+02.08'NBA'	162.97'LT	1276+02.08'NBA'	162.97'LT	1059.10
505	1276+22.36'NBA'	162.30'LT	1276+22.36'NBA'	162.30'LT	1058.89
506	1276+22.30'NBA'	160.31'LT	1276+22.30'NBA'	160.31'LT	1058.92
507	1276+28.82'NBA'	57.80'LT	1276+28.82'NBA'	57.80'LT	1058.40
508	1276+94.26'NBA'	20.34'LT	1276+94.26'NBA'	20.34'LT	1057.85
509	1276+71.28'NBA'	20.00'RT	1276+71.28'NBA'	20.00'RT	1057.90
510	1275+05.00'NBA'	20.00'RT	1275+05.00'NBA'	20.00'RT	1059.84
511	1274+95.00'NBA'	18.00'RT	1274+95.00'NBA'	18.00'RT	1060.07
512	1274+92.44'NBA'	43.94'RT	1274+92.44'NBA'	43.94'RT	0.00
513	1274+76.61'NBA'	43.94'RT	1274+76.61'NBA'	43.94'RT	0.00
514	1274+85.00'NBA'	18.00'RT	1274+85.00'NBA'	18.00'RT	1060.27
515	1274+85.00'NBA'	18.00'LT	1274+85.00'NBA'	18.00'LT	1060.27
516	1275+37.18'NBA'	18.00'LT	1275+37.18'NBA'	18.00'LT	1059.32
517	1276+83.65'NBA'	80.20'LT	1276+83.65'NBA'	80.20'LT	0.00
518	1279+93.94'NBA'	18.00'RT	1279+93.94'NBA'	18.00'RT	1060.95
519	1279+93.94'NBA'	8.70'LT	1279+93.94'NBA'	8.70'LT	1061.29
520	1279+93.47'NBA'	33.41'LT	1279+93.47'NBA'	33.41'LT	1060.91
521	1283+30.04'NBA'	18.00'RT	1283+30.04'NBA'	18.00'RT	1072.52
522	1281+87.14'NBA'	0.00'	1281+87.14'NBA'	0.00'	1067.39
523	1281+87.13'NBA'	12.66'LT	1281+87.13'NBA'	12.66'LT	1067.33
524	1279+52.00'WBA'	61.88'LT	1279+52.00'WBA'	61.88'LT	0.00
525	1279+71.95'WBA'	65.94'LT	1279+71.95'WBA'	65.94'LT	0.00
526	1281+55.56'WBA'	67.95'LT	1281+55.56'WBA'	67.95'LT	0.00
527	1281+72.09'WBA'	69.47'LT	1281+72.09'WBA'	69.47'LT	0.00
528	1281+94.47'WBA'	37.32'LT	1281+94.47'WBA'	37.32'LT	1079.62
529	1281+96.03'WBA'	10.68'LT	1281+96.03'WBA'	10.68'LT	0.00
530	1281+96.03'WBA'	20.00'RT	1281+96.03'WBA'	20.00'RT	1079.67
531	1284+72.13'WBA'	17.04'LT	1284+72.13'WBA'	17.04'LT	1074.64
532	1284+71.72'WBA'	0.00'	1284+71.72'WBA'	0.00'	1074.74

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	BASE LINE STA	OFFSET	ELEV
533	1284+69.34'WBA'	107.57'RT	1284+69.34'WBA'	107.57'RT	0.00
534	1284+99.54'WBA'	126.04'RT	1284+99.54'WBA'	126.04'RT	0.00
535	12+04.21'CID'	18.00'LT	147+77.89'EB'	155.17'RT	1074.17
536	1287+63.37'NBB'	33.80'LT	1287+63.37'NBB'	33.80'LT	1073.57
537	1288+46.31'NBB'	82.81'RT	1288+46.31'NBB'	82.81'RT	1078.58
538	1288+80.28'NBB'	77.18'RT	1288+80.28'NBB'	77.18'RT	0.00
539	1288+46.08'NBB'	45.89'RT	1288+46.08'NBB'	45.89'RT	1074.35
540	1288+81.89'NBB'	35.66'RT	1288+81.89'NBB'	35.66'RT	1072.39
541	1289+05.00'NBB'	0.00'	1289+05.00'NBB'	0.00'	1076.13
542	1289+04.82'NBB'	13.24'LT	1289+04.82'NBB'	13.24'LT	1075.86
544	1290+56.70'NBB'	24.00'RT	1290+56.70'NBB'	24.00'RT	1078.18
545	1290+56.70'NBB'	3.86'LT	1290+56.70'NBB'	3.86'LT	0.00
546	1290+57.92'NBB'	29.79'LT	1290+57.92'NBB'	29.79'LT	1078.27
547	1291+75.65'NBB'	54.97'LT	1291+75.65'NBB'	54.97'LT	0.00
559	1294+59.97'NBB'	24.00'RT	1294+59.97'NBB'	24.00'RT	1083.01
560	1294+59.97'NBB'	20.00'RT	1294+59.97'NBB'	20.00'RT	1083.09
561	1295+41.52'NBB'	20.00'RT	1295+41.52'NBB'	20.00'RT	1083.22
562	1295+41.52'NBB'	2.00'RT	1295+41.52'NBB'	2.00'RT	1083.58
563	1295+41.52'NBB'	20.00'LT	1295+41.52'NBB'	20.00'LT	1083.93
564	1296+94.37'NBB'	20.00'LT	1296+94.37'NBB'	20.00'LT	1083.95
565	1306+51.93'NBB'	2.00'RT	1306+51.93'NBB'	2.00'RT	0.00
566	1306+51.93'NBB'	18.00'LT	1306+51.93'NBB'	18.00'LT	0.00
567	1281+93.30'WBA'	57.30'LT	1281+93.30'WBA'	57.30'LT	1077.74
568	1281+36.99'WBA'	52.10'LT	1281+36.99'WBA'	52.10'LT	1078.62
569	1279+96.75'WBA'	42.58'LT	1279+96.75'WBA'	42.58'LT	1080.22
570	1279+36.01'WBA'	40.64'LT	1279+36.01'WBA'	40.64'LT	1080.63
583	1277+50.49'WBA'	20.00'LT	1277+50.49'WBA'	20.00'LT	1083.14
584	1277+50.49'WBA'	20.00'RT	1277+50.49'WBA'	20.00'RT	1083.14
585	1274+85.00'NBA'	28.79'LT	1274+85.00'NBA'	28.79'LT	1057.88
586	1277+50.49'WBA'	34.19'LT	1277+50.49'WBA'	34.19'LT	1083.58
587	1277+50.49'WBA'	30.20'RT	1277+50.49'WBA'	30.20'RT	1083.58
588	1306+51.93'NBB'	24.62'LT	1306+51.93'NBB'	24.62'LT	0.00
589	0+00.00	0.00'	0+00.00	0.00'	0.00
590	0+00.00	0.00'	0+00.00	0.00'	0.00
591	0+00.00	0.00'	0+00.00	0.00'	0.00
592	0+00.00	0.00'	0+00.00	0.00'	0.00

2

NOTE
INLET PROTECTION (UNLESS NOTED) WILL BE TYPE C.

SEEDING MIXTURE NO. 20 WILL BE USED EVERYWHERE UNLESS OTHERWISE NOTED.

AREAS OUTSIDE PERMANENT CONSTRUCTION LIMITS THAT ARE DISTURBED BY TEMPORARY PAVEMENT/TEMPORARY PAVEMENT REMOVAL WILL NEED TO BE RESTORED WITH EROSION MAT CLASS I TYPE B AND SEEDING MIXTURE NO. 20.

N

AUPPERLE RD

R/W

288'AP

USE TYPE B INLET PROTECTION UNTIL STAGE 2 WHEN FINAL CURB & GUTTER IS INSTALLED, THEN UTILIZE TYPE C INLET PROTECTION.

R/W

F

74'NBA'

1276'NBA'

USH 61/STH 35

1278'NBA'

1280'NBA'

BEGIN PROJECT
STA 1274+85 NBA

R/W

R/W

SLAB

WELL

T

W

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- SEEDING MIXTURE NO. 40
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- F SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	SHEET 28	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022001_EC.DWG PLOT DATE : 7/16/2022 9:55 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1 IN = 50.0 FT
WISDOT/CADDS SHEET 42

NOTE
INLET PROTECTION (UNLESS NOTED) WILL BE TYPE C.

SEEDING MIXTURE NO. 20 WILL BE USED EVERYWHERE UNLESS OTHERWISE NOTED.

AREAS OUTSIDE PERMANENT CONSTRUCTION LIMITS THAT ARE DISTURBED BY TEMPORARY PAVEMENT/TEMPORARY PAVEMENT REMOVAL WILL NEED TO BE RESTORED WITH EROSION MAT CLASS I TYPE B AND SEEDING MIXTURE NO. 20.

2

2

USH 61/STH 35

USH 61/STH 35

12CID

13CID

STH 81

1282'NBA'

11284'NBA'

1286'WBA'

TLE

TLE

F

INLET PROTECTION TYPE B
(GROUP OF INLETS ON EAST LEG)

EROSION CONTROL LEGEND

EROSION MAT CLASS I TYPE B	INLET PROTECTION
SEEDING MIXTURE NO. 40	TEMPORARY DITCH CHECK
SILT FENCE	CULVERT PIPE CHECK
SLOPE INTERCEPT	SURFACE WATER FLOW
	SILT FENCE RELIEF (ROCK BAGS)

N

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	SHEET 29	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022001_EC.DWG PLOT DATE : 7/16/2022 9:56 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN = 50.0 FT

WISDOT/CADDS SHEET 42

2

TLE

TLE

R/W

BB'

1295'NBB'

USH 61/STH 35

R/W

2

R/W

R/W

1305'NBB'

1300'NBB'

USH 61/STH 35

USH 6

R/W

NOTE
INLET PROTECTION (UNLESS NOTED) WILL BE TYPE C.

SEEDING MIXTURE NO. 20 WILL BE USED EVERYWHERE UNLESS OTHERWISE NOTED.

AREAS OUTSIDE PERMANENT CONSTRUCTION LIMITS THAT ARE DISTURBED BY TEMPORARY PAVEMENT/TEMPORARY PAVEMENT REMOVAL WILL NEED TO BE RESTORED WITH EROSION MAT CLASS I TYPE B AND SEEDING MIXTURE NO. 20.

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- SEEDING MIXTURE NO. 40
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	SHEET 30	E

2

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- SEEDING MIXTURE NO. 40
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

N

R/W

L305'NBB'

USH 61

L305'NBE

END CONSTRUCTION
STA 1306+51.93

R/W

R/W

NOTE
INLET PROTECTION (UNLESS NOTED) WILL BE TYPE C.

SEEDING MIXTURE NO. 20 WILL BE USED EVERYWHERE UNLESS OTHERWISE NOTED.

AREAS OUTSIDE PERMANENT CONSTRUCTION LIMITS THAT ARE DISTURBED BY TEMPORARY PAVEMENT/TEMPORARY PAVEMENT REMOVAL WILL NEED TO BE RESTORED WITH EROSION MAT CLASS I TYPE B AND SEEDING MIXTURE NO. 20.

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	SHEET 31	E

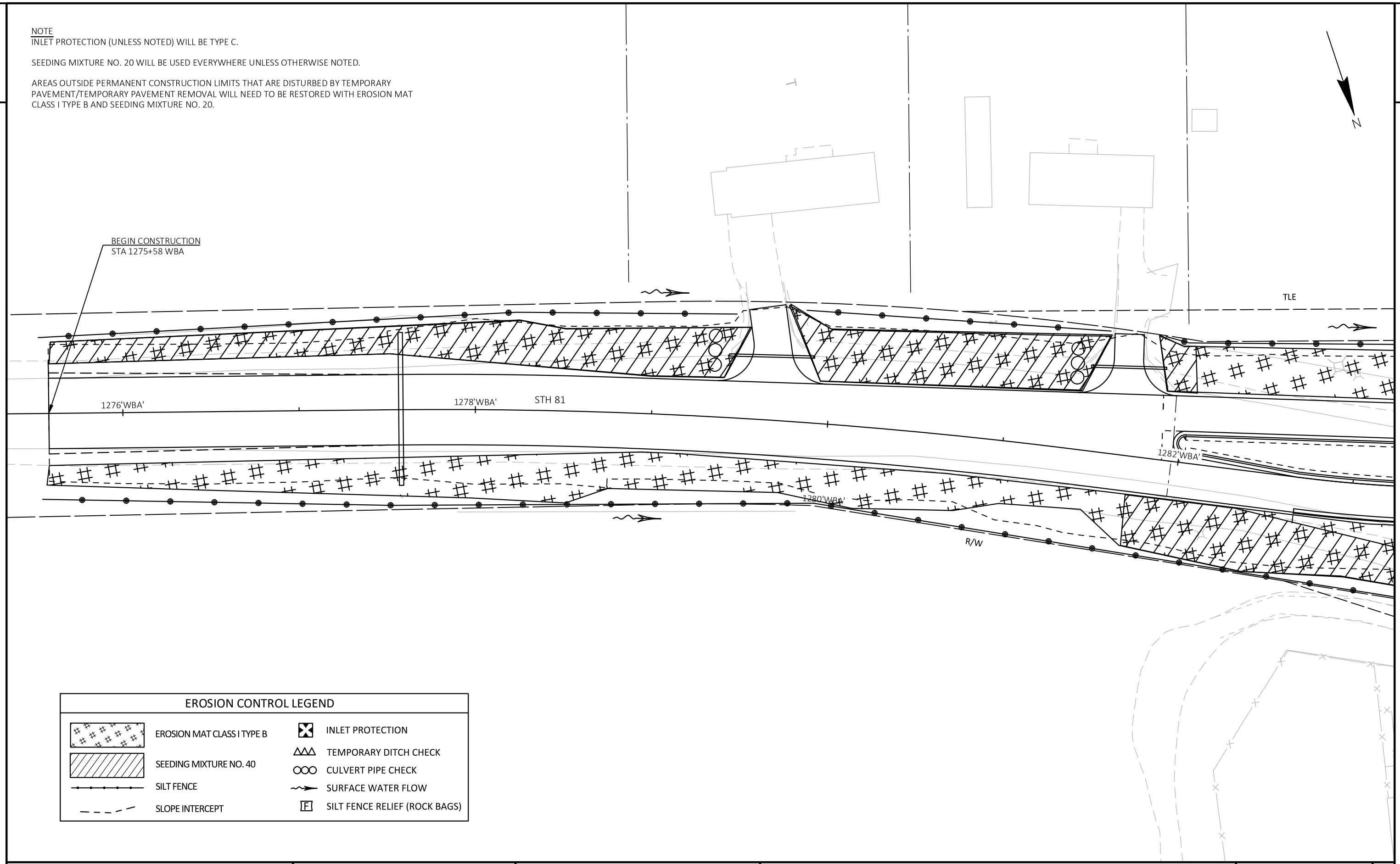
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022001_EC.DWG PLOT DATE : 7/16/2022 9:56 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1 IN = #### FT
WISDOT/CADDS SHEET 42

2

NOTE
INLET PROTECTION (UNLESS NOTED) WILL BE TYPE C.

SEEDING MIXTURE NO. 20 WILL BE USED EVERYWHERE UNLESS OTHERWISE NOTED.

AREAS OUTSIDE PERMANENT CONSTRUCTION LIMITS THAT ARE DISTURBED BY TEMPORARY PAVEMENT/TEMPORARY PAVEMENT REMOVAL WILL NEED TO BE RESTORED WITH EROSION MAT CLASS I TYPE B AND SEEDING MIXTURE NO. 20.



EROSION CONTROL LEGEND

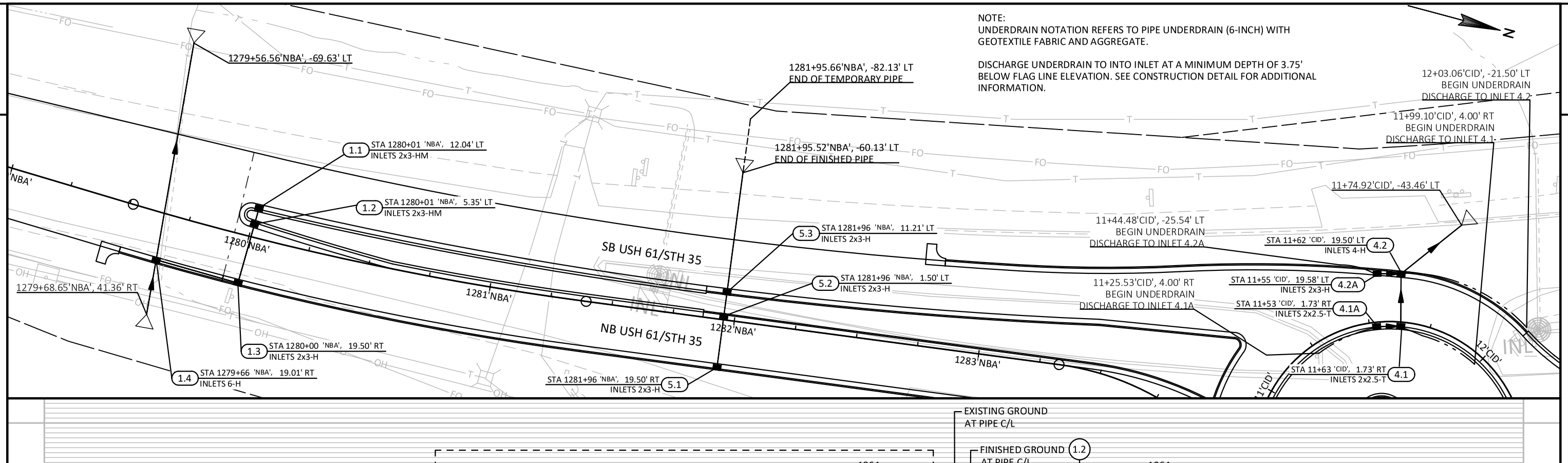
- EROSION MAT CLASS I TYPE B
- SEEDING MIXTURE NO. 40
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)

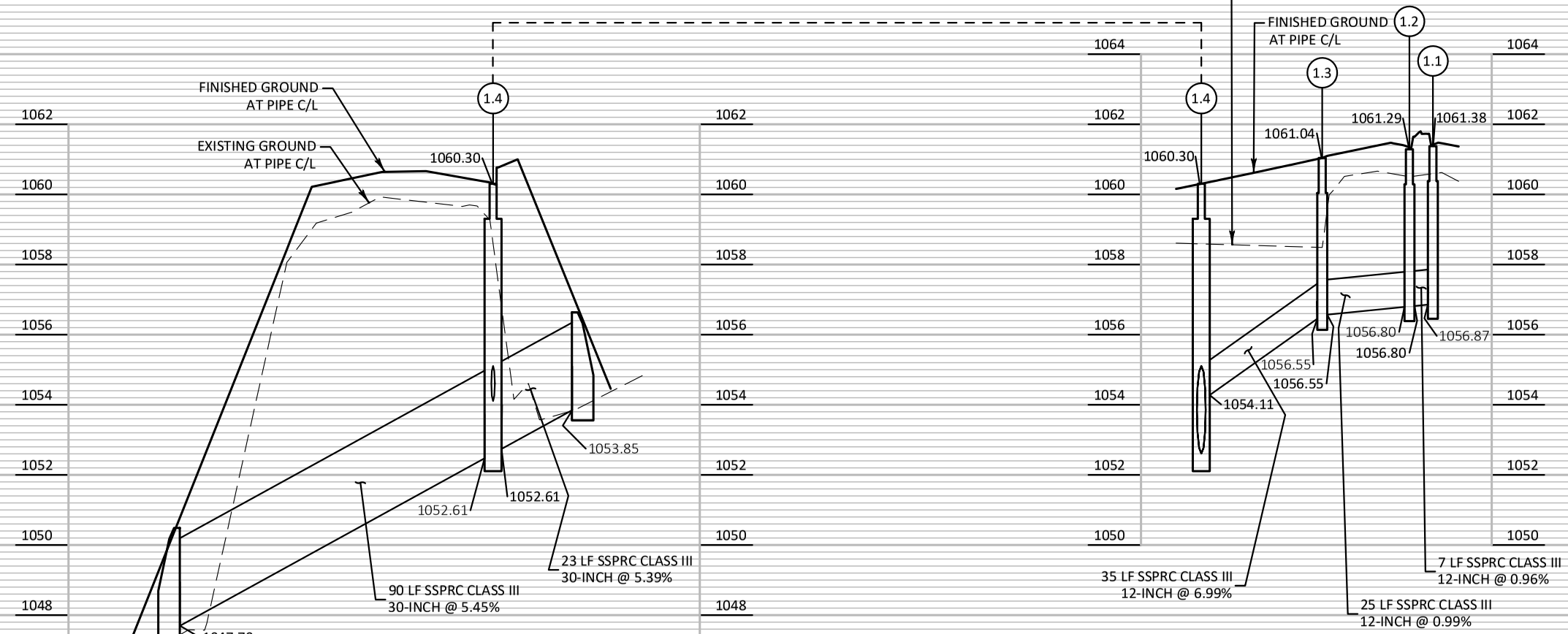
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	SHEET 32	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022001_EC.DWG
PLOT DATE : 7/16/2022 9:56 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1 IN = 50.0 FT
WISDOT/CADDS SHEET 42

NOTE:
UNDERDRAIN NOTATION REFERS TO PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE.

DISCHARGE UNDERDRAIN TO INTO INLET AT A MINIMUM DEPTH OF 3.75' BELOW FLAG LINE ELEVATION. SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.





PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STORM SEWER DETAILS	PAGE 01 OF 04	SHEET 33	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 7/16/2022 9:58 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

CONSTRUCT TEMPORARY OUTFALL
22 LF - SSPRC CLASS III REQ'D (STAGE 1)
22 LF - REMOVING STORM SEWER 12-INCH REQ'D (STAGE 4)

1279+56.56'NBA', -69.63' LT

1281+95.66'NBA', -82.13' LT
END OF TEMPORARY PIPE

LOCATE PIPE JOINTS AS REQUIRED TO INSTALL APRON ENDWALL AFTER REMOVAL OF TEMPORARY PIPE

1281+95.52'NBA', -60.13' LT
END OF FINISHED PIPE

NOTE:
UNDERDRAIN NOTATION REFERS TO PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE.

DISCHARGE UNDERDRAIN TO INTO INLET AT A MINIMUM DEPTH OF 3.75' BELOW FLAG LINE ELEVATION. SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

12+03.06'CID', -21.50' LT
BEGIN UNDERDRAIN
DISCHARGE TO INLET 4.2

11+99.10'CID', 4.00' RT
BEGIN UNDERDRAIN
DISCHARGE TO INLET 4.1

11+74.92'CID', -43.46' LT

11+44.48'CID', -25.54' LT
BEGIN UNDERDRAIN
DISCHARGE TO INLET 4.2A

11+25.53'CID', 4.00' RT
BEGIN UNDERDRAIN
DISCHARGE TO INLET 4.1A

1.1 STA 1280+01 'NBA', 12.04' LT
INLETS 2x3-HM

1.2 STA 1280+01 'NBA', 5.35' LT
INLETS 2x3-HM

1.3 STA 1280+00 'NBA', 19.50' RT
INLETS 2x3-H

1.4 STA 1279+66 'NBA', 19.01' RT
INLETS 6-H

5.1 STA 1281+96 'NBA', 19.50' RT
INLETS 2x3-H

5.2 STA 1281+96 'NBA', 1.50' LT
INLETS 2x3-H

5.3 STA 1281+96 'NBA', 11.21' LT
INLETS 2x3-H

4.1 STA 11+63 'CID', 1.73' RT
INLETS 2x2.5-T

4.1A STA 11+53 'CID', 1.73' RT
INLETS 2x2.5-T

4.2A STA 11+55 'CID', 19.58' LT
INLETS 2x3-H

4.2 STA 11+62 'CID', 19.50' LT
INLETS 4-H

1279+68.65'NBA', 41.36' RT

1280'NBA'

1281'NBA'

1282'NBA'

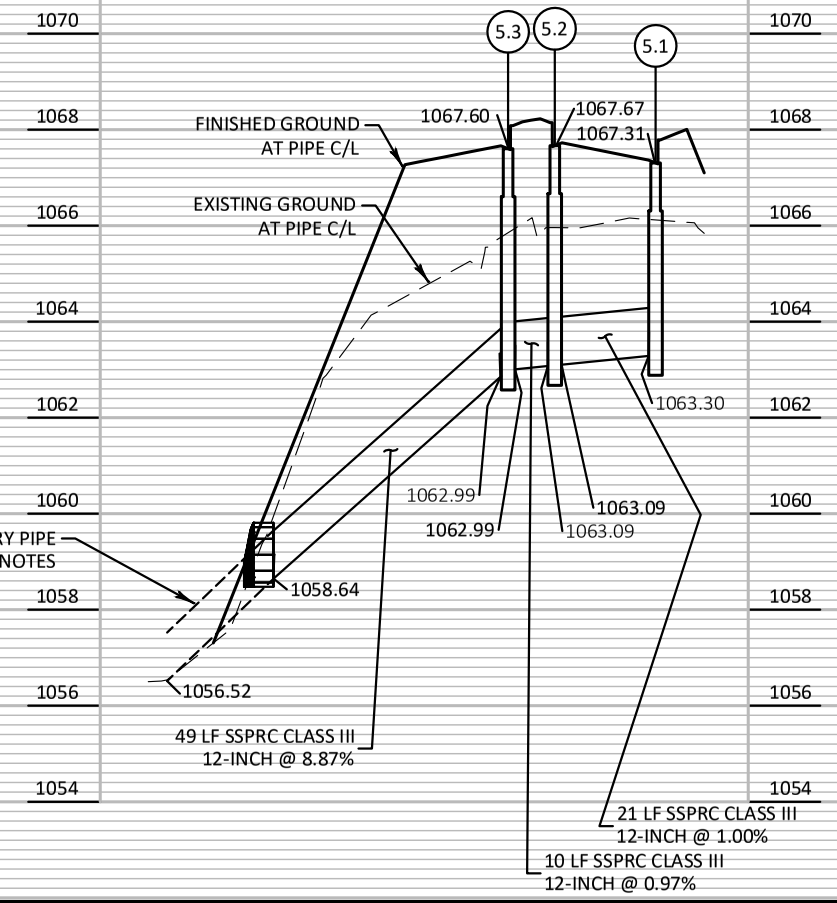
1283'NBA'

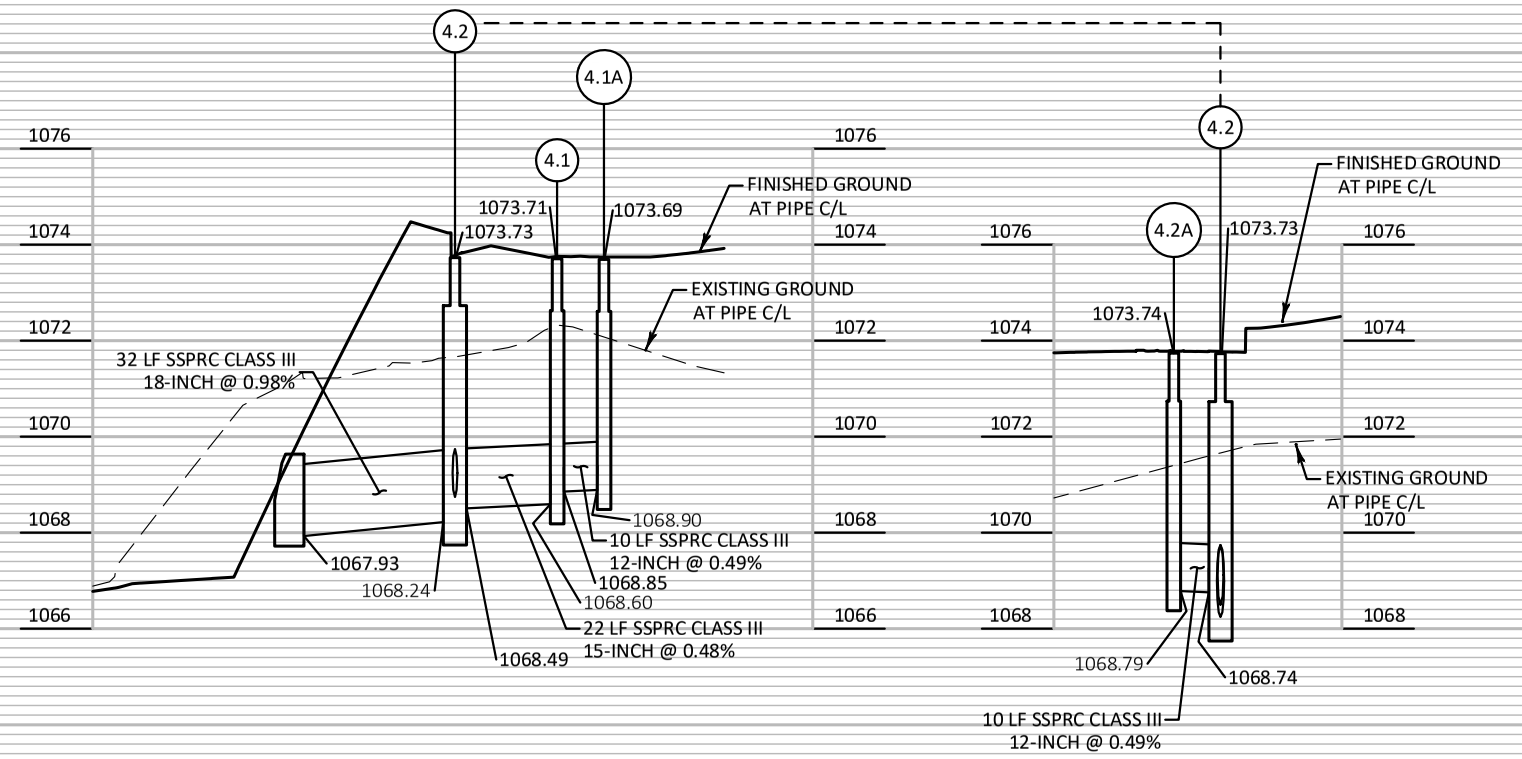
SB USH 61/STH 35

NB USH 61/STH 35

12'CID'

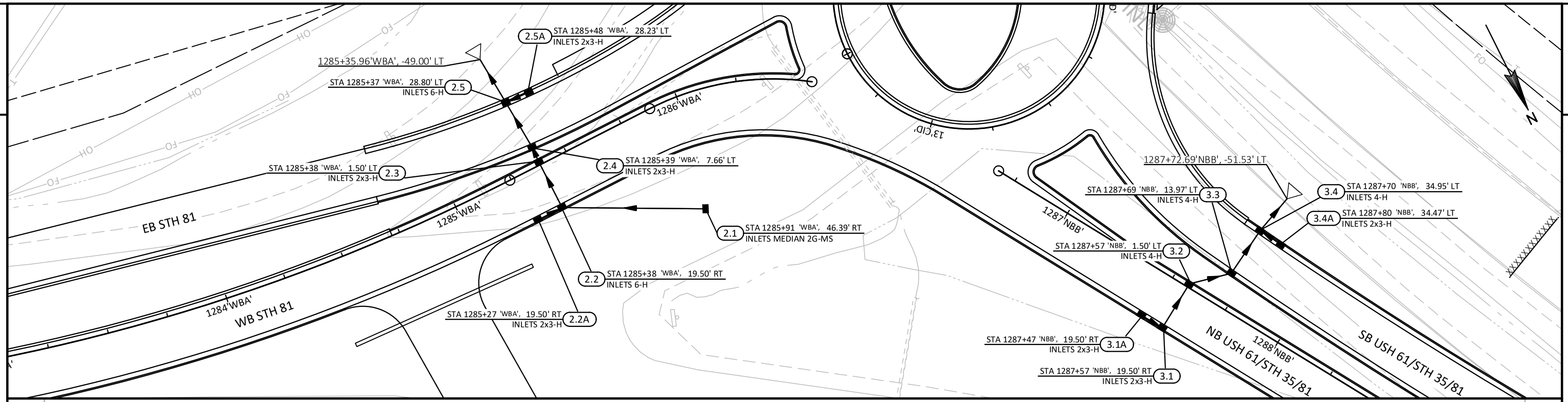
11'CID'

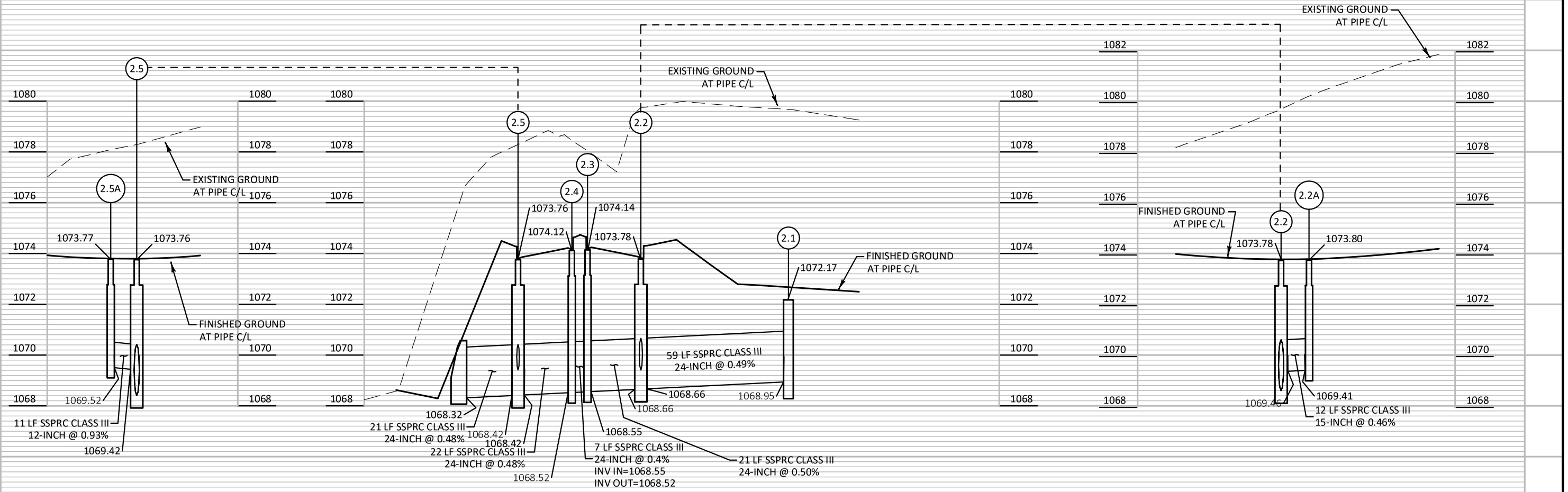




PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STORM SEWER DETAILS	PAGE 02 OF 04	SHEET 34	E

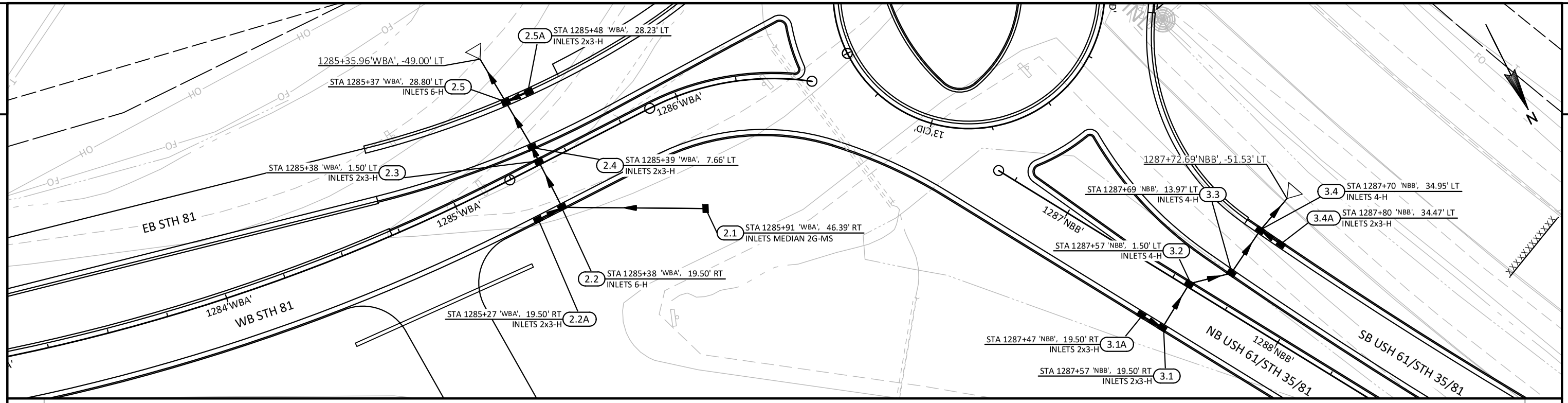
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 7/16/2022 9:59 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

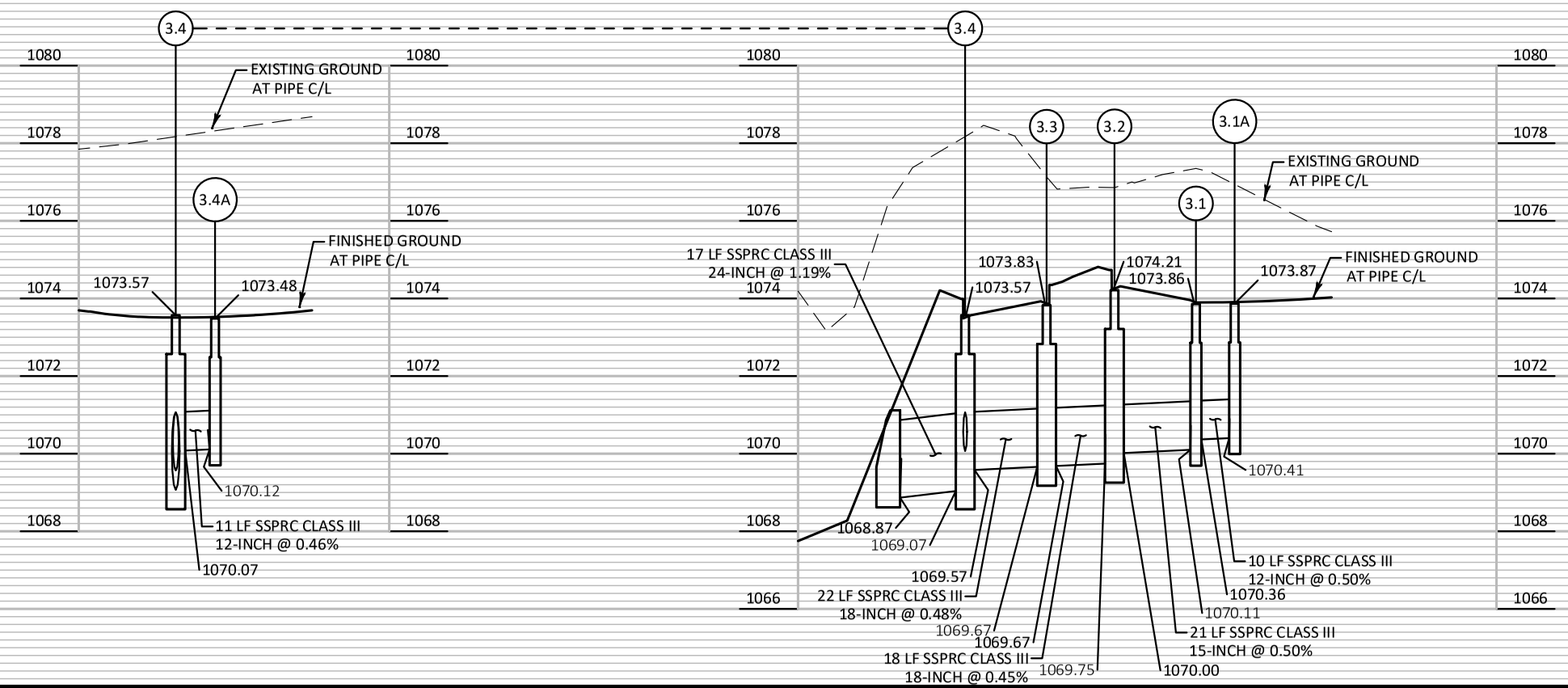




PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STORM SEWER DETAILS	PAGE 03 OF 04	SHEET 35	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 7/16/2022 10:00 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

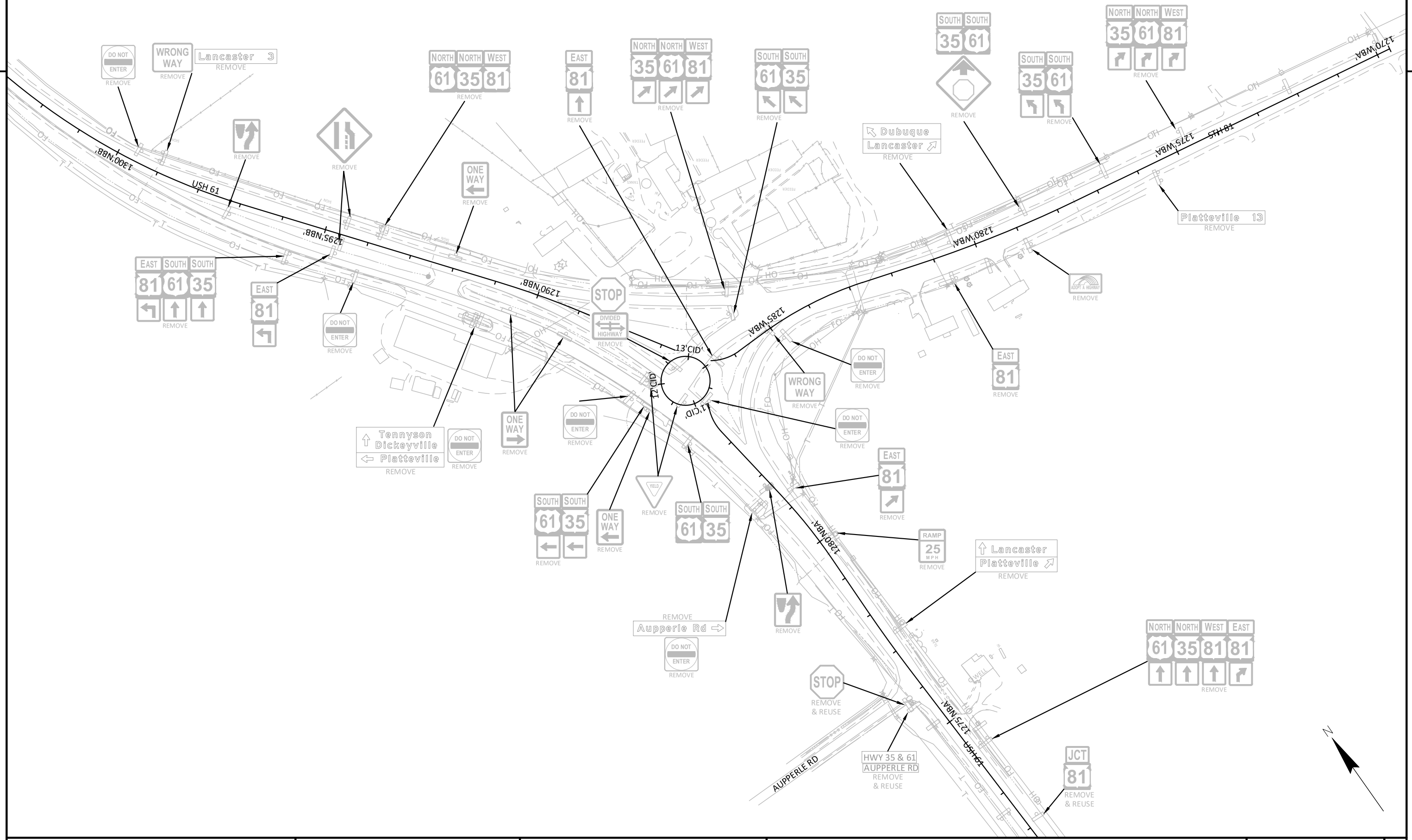




PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STORM SEWER DETAILS	PAGE 04 OF 04	SHEET 36	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\022501_SS (STORM SEWER DETAILS).DWG PLOT DATE : 7/16/2022 10:00 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING, REMOVALS	SHEET 37	E

2

Lancaster 2
Cassville 21
Prairie du Chien 33

D2-3
114" X 36"
21

22
J1-1
24" X 45"
JCT 81

19
20
W2-6
30"X30"
15 MPH
S13-1
18"X18"

18

SOUTH SOUTH 61 35
EAST 81
D1-62
78" X 78"

17
Tennyson
Dickeyville
Platteville
D1-3
78" X 36"

DO NOT ENTER
R5-1
30"X30"
41

R4-7
24"X30"
W5-54
18"X18"
15
16

WRONG WAY
R5-1A
36"X24"
44

R4-7
24"X30"
W5-54
18"X18"
28
29

Dubuque
Lancaster
D1-2
72" X 30"
30

SOUTH 61 35
NORTH WEST 61 81
D1-62
126" X 60"
27

W2-6
30"X30"
15 MPH
S13-1
18"X18"
25
26

JCT 61
J1-1
24" X 45"
23

24
Platteville 11
D2-1
78" X 15"

42
DO NOT ENTER
R5-1
30"X30"

45
WRONG WAY
R5-1A
36"X24"

Aupperle Rd
D1-1
84" X 15"
08

43
WRONG WAY
R5-1A
36"X24"

06
07
R4-7
24"X30"
W5-54
18"X18"

40
DO NOT ENTER
R5-1
30"X30"

Lancaster
Platteville
D1-2
78" X 30"
05

NORTH NORTH WEST 61 35 81
EAST 81
D1-62
96" X 78"
04

W2-6
30"X30"
15 MPH
S13-1
18"X18"
02
03

JCT 81
J1-1
24" X 45"
01

200'

USH 61

AUPPERLE RD

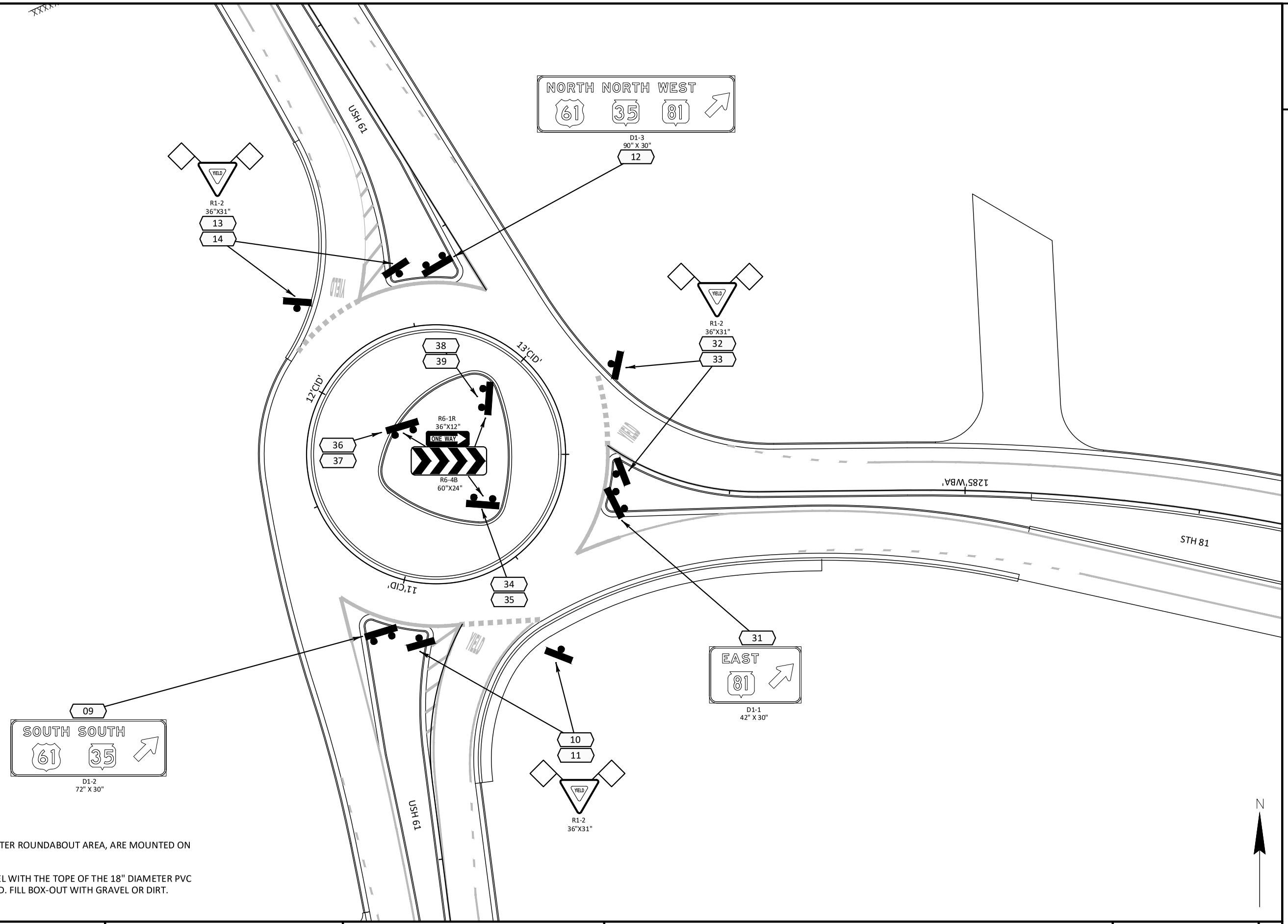
SEE FOLLOWING SHEET
FOR ADDITIONAL
ROUNDABOUT SIGNING

NOTES
ALL SIGNS ON THIS SHEET, LOCATED OUTSIDE THE CENTER ROUNDABOUT AREA, ARE MOUNTED ON 4x6-INCH WOOD POSTS.

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	SHEET 38	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\023201_PS.DWG PLOT DATE : 7/16/2022 10:01 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



NOTES
ALL SIGNS ON THIS SHEET, WITHIN THE CENTER ROUNDABOUT AREA, ARE MOUNTED ON 2x2-INCH TUBULAR STEEL POSTS.

PLACE TOP OF 2 1/4" X 2 1/4" ANCHOR LEVEL WITH THE TOPE OF THE 18" DIAMETER PVC BOX-OUT OR LEVEL WITH FINISHED GROUND. FILL BOX-OUT WITH GRAVEL OR DIRT.

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	SHEET 39	E

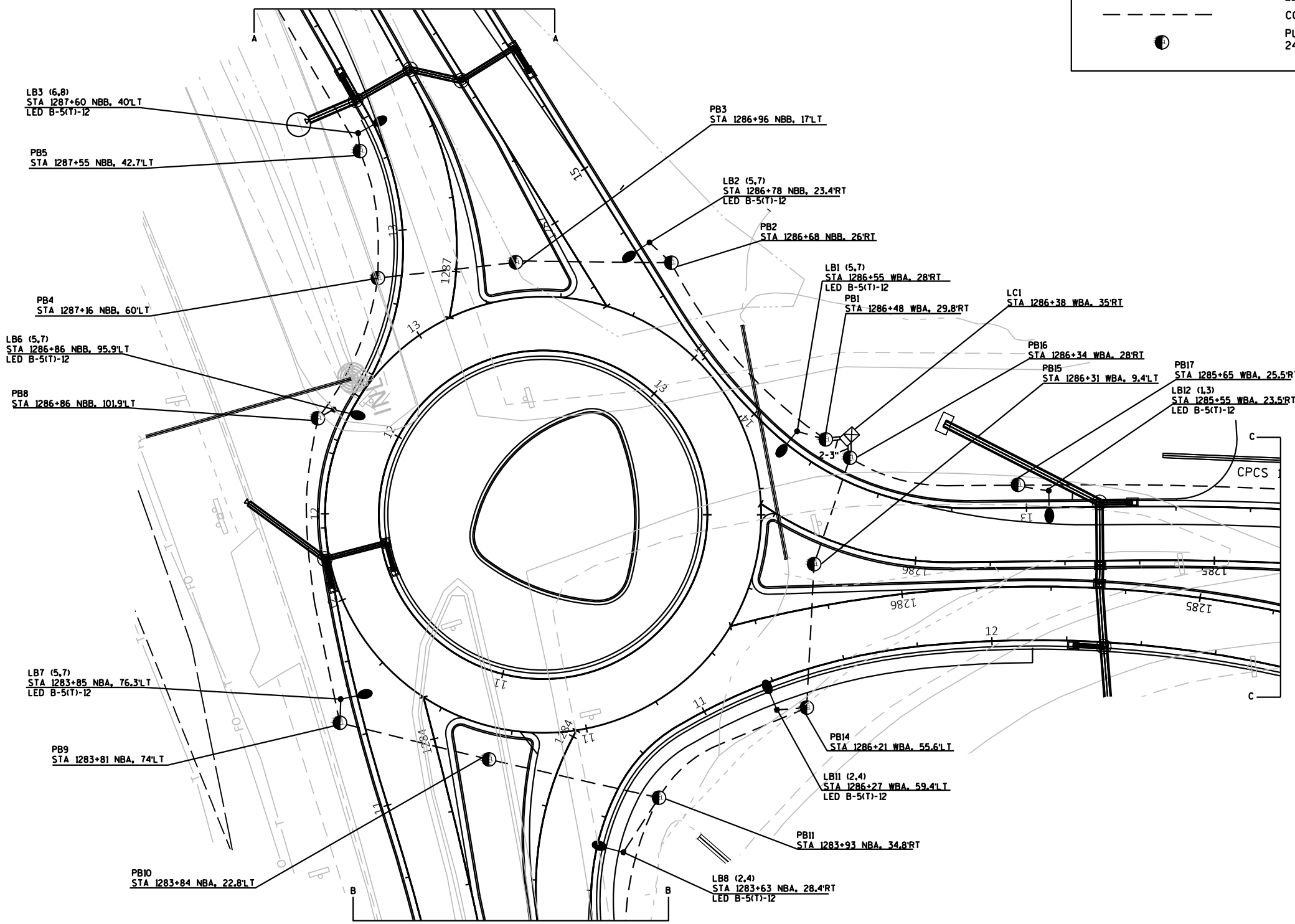
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\023201_PS.DWG PLOT DATE : 7/16/2022 10:01 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LIGHTING PLAN LEGEND

- LIGHTING UNIT
- LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER
- CONDUIT RIGID NONMETALLIC 2"
- PULLBOX NONCONDUCTIVE, 24X42 INCH

LB5 (1,3) — POLE NUMBER, LIGHTING CIRCUITS
STA 928+65, 26.4' LT — LOCATION
LED B-5(T)-12 — LUMINAIRE ARM LENGTH (FT), POLE TYPE, TRANSFORMER BASE, LUMINAIRE DESIGNATION



GENERAL NOTES:

1. ALL CONDUIT RUNS MUST BE INSPECTED PRIOR TO INSTALLATION OF LIGHTING WIRE
2. LIGHTING MUST BE OPERATIONAL PRIOR TO STAGE 5, OR PRIOR TO WHEN THE INTERSECTION IS FUNCTIONING AS A ROUNDABOUT

HIGHWAY LIGHTING
USH 61 & STH 81
TOWN OF SOUTH LANCASTER
GRANT COUNTY

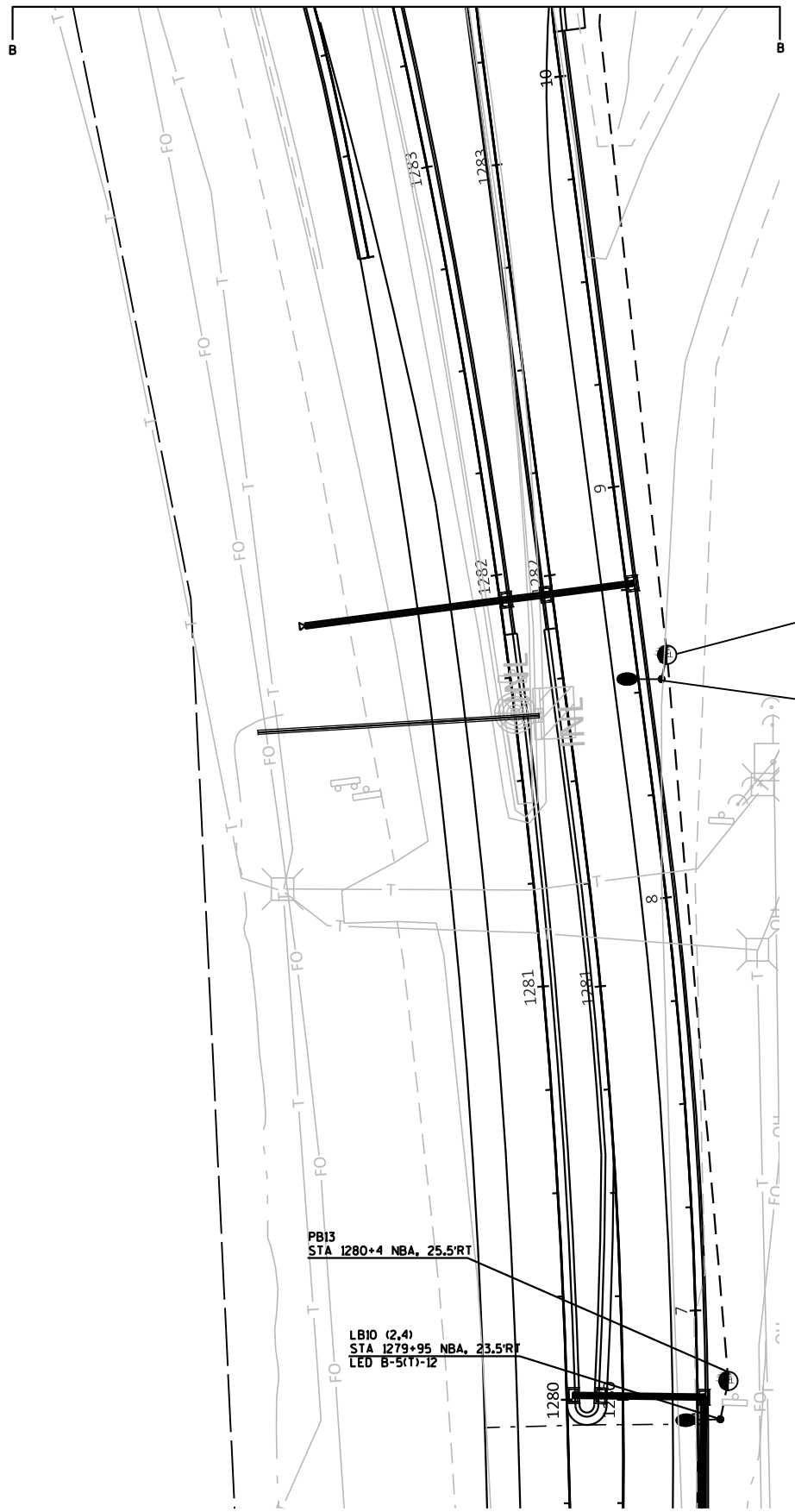
INST. NO. L22-0002

DESIGNED BY: WISDOT

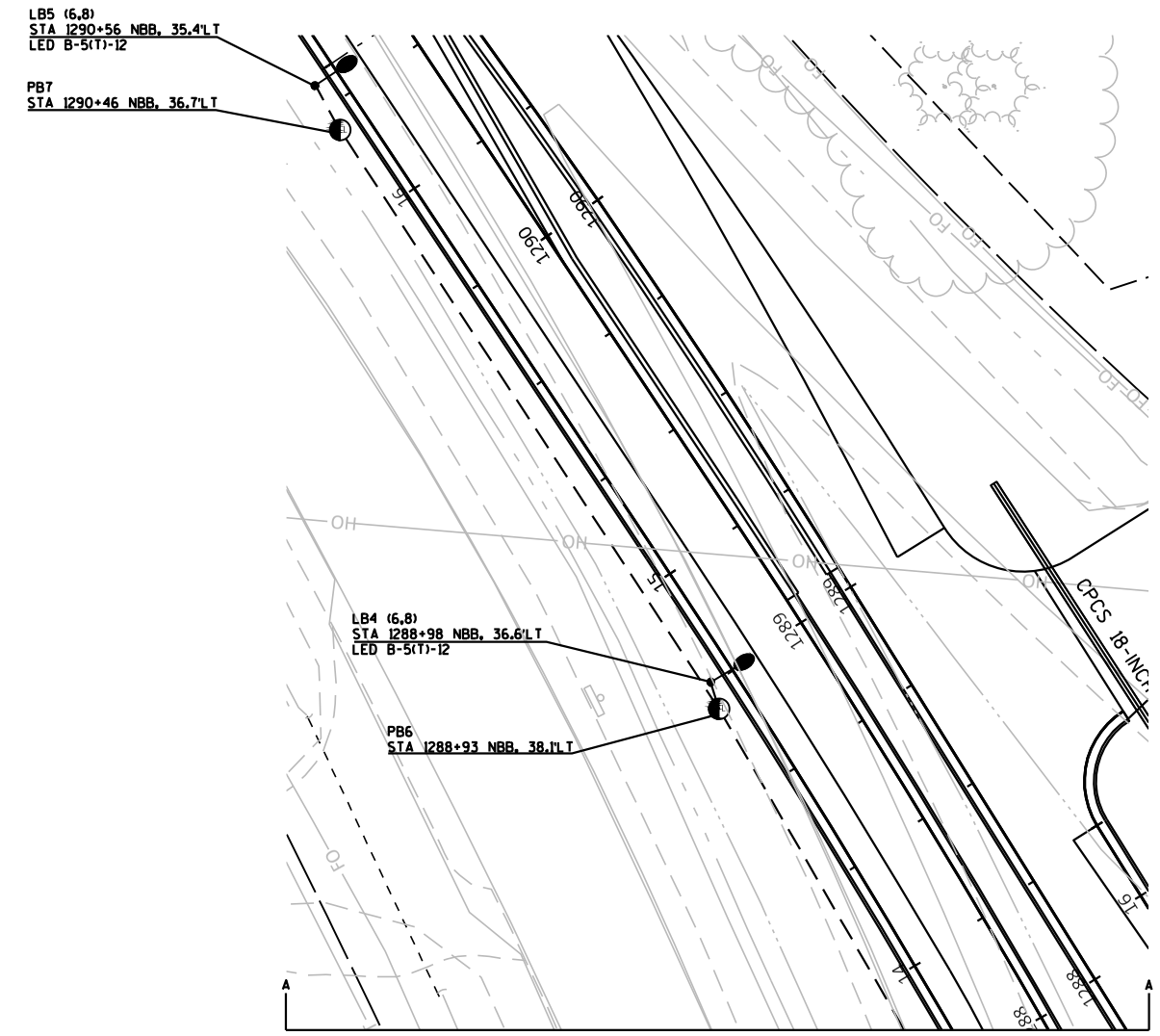
PAGE 1 OF 2

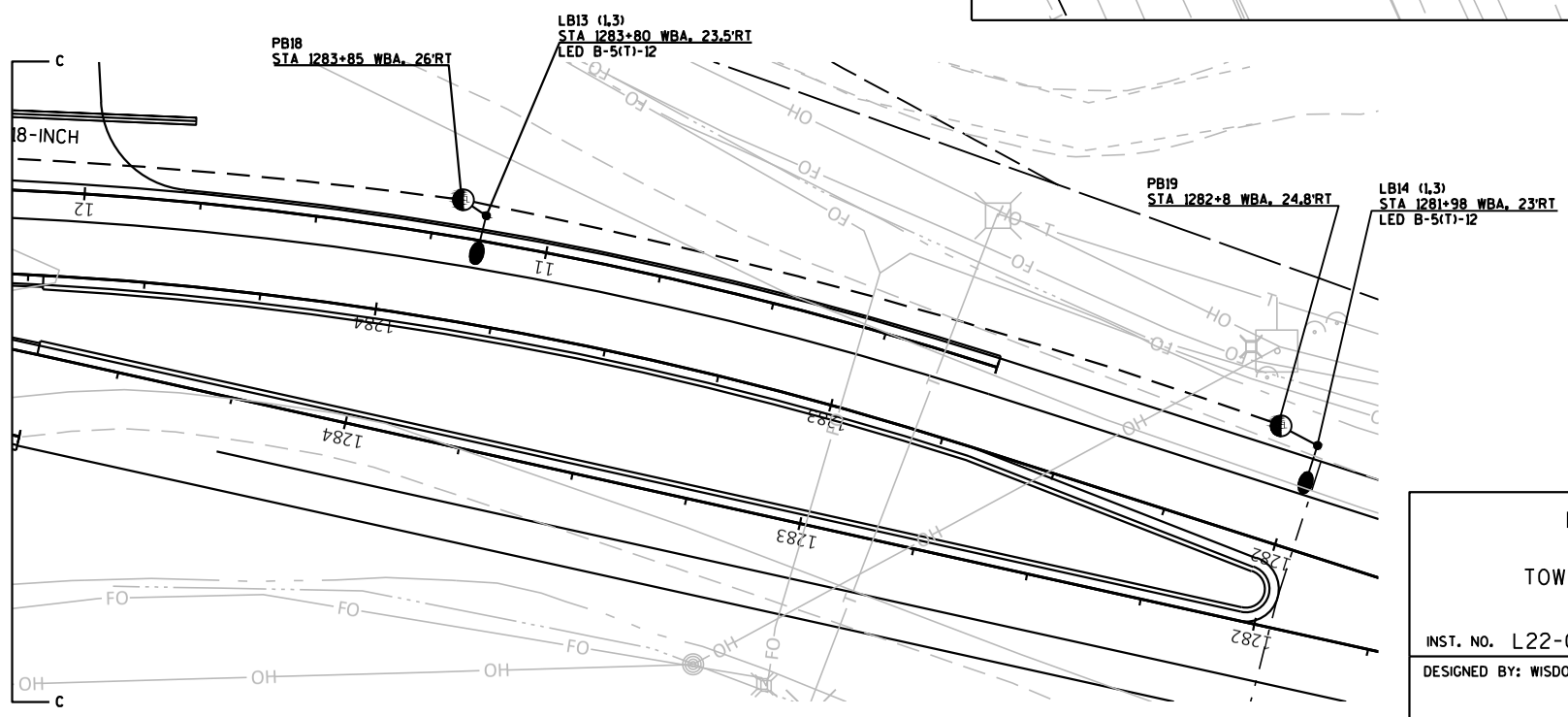
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	LIGHTING PLAN - USH 61 & STH 81 ROUNDABOUT	SHEET 40	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\16500007\TRAFFIC\ELECTRICAL\LIGHTING\1650-00-77.LIGHTINGPLAN-C3D2022.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 7/5/2022 2:33 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT









HIGHWAY LIGHTING
USH 61 & STH 81
TOWN OF SOUTH LANCASTER
GRANT COUNTY

INST. NO. L22-0002

DESIGNED BY: WISDOT

PAGE 2 OF 2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	LIGHTING PLAN - USH 61 & STH 81 ROUNDABOUT	SHEET 41	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\16500007\TRAFFIC\ELECTRICAL\LIGHTING\1650-00-77.LIGHTINGPLAN-C3D2022.DWG
LAYOUT NAME - 023602-lp
PLOT DATE : 7/5/2022 2:34 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES
SEE THE FOLLOWING SDD'S:
- SDD 15C08-20A LONGITUDINAL MARKING (MAINLINE)
- SDD 15C35-04A PAVEMENT MARKING (INTERSECTIONS)
- SDD 15C07-B PAVEMENT MARKING WORDS
- SDD 15C18-B PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

N

KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)
5	MARKING LINE EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
14	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (25.0 FT C-C)

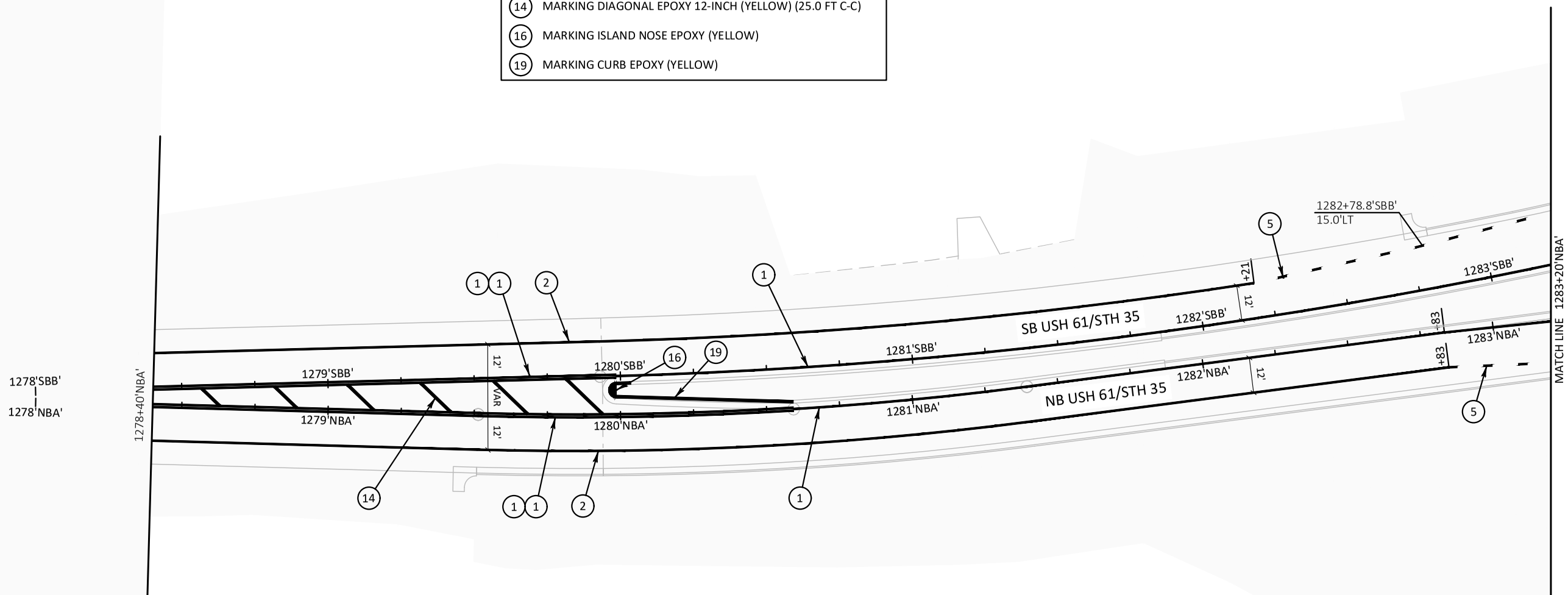
AUPPERLE RD
287'AP'
288'AP'
BEGIN PAVEMENT MARKING
STA 1274+85'NBA'
USH 61/STH 35
MATCH EXISTING EDGE AND CENTER LINES
1273'NBA'
1274'NBA'
1275'NBA'
1276'NBA'
1277'NBA'
1277'SBB'
1278'NBA'
1278'SBB'
1278+40'NBA'
VARIES
12'
+49
+82
+27
+05
SLAB

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 42	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\024501_PM.DWG PLOT DATE : 7/16/2022 10:02 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 40.0 FT

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)
5	MARKING LINE EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
14	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (25.0 FT C-C)
16	MARKING ISLAND NOSE EPOXY (YELLOW)
19	MARKING CURB EPOXY (YELLOW)



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 43	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\024501_PM.DWG PLOT DATE : 7/16/2022 10:02 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)
14	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (25.0 FT C-C)
16	MARKING ISLAND NOSE EPOXY (YELLOW)
19	MARKING CURB EPOXY (YELLOW)

N

1278'WBA'
12'
12'
+76
1279'EBB'
1279'WBA'
+52
1280'EBB'
1280'WBA'
EB STH 81
1281'EBB'
WB STH 81
1281'WBA'
12'
VAR
12'
1282'EBB'
1282'WBA'
1283'EBB'
1283'WBA'
1283+50'WB'

BEGIN PAVEMENT MARKING
STA 1275+58'WBA'

1276'WBA'
1277'WBA'
1278'WBA'
12'
12'
MATCH EXISTING EDGE
AND CENTER LINES

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 44	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\024501_PM.DWG PLOT DATE : 7/16/2022 10:02 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 40.0 FT

2

MATCH LINE 1283+20'NBA'

1283+32.9'NBA'
1.3'RT

1283+32.6'NBA'
16.2'RT

1283+60.3'NBA'
4.0'RT

1283+70.6'NBA'
22.7'RT

1283+88.4'NBA'
7.8'RT

1283+39.8'SBB'
18.0'LT

USH 61/STH 35

+45

R=130.9'

R=115.9'

1283+95.1'SBB'
4.1'LT

1284'SBB'

11+18.7'CID'
18.0'LT

10+63.1'CID'
22.8'LT

10+54.4'CID'
28.9'LT

10+78.8'CID'
18.0'LT

11'CID'

1284+39.9'EBB'
12.0'LT

1285+04.6'EBB'
14.8'LT

1285+66.5'EBB'
17.0'LT

R=450.0'

1286+42.4'EBB'
8.5'LT

1283+50'WB'

1284'EBB'

12'

1285'EBB'

EB STH 81

+95

1286'EBB'

18'

10+33.9'CID'
18.0'LT

1284'WBA'

12'

WB STH 81

1285'WBA'

1286'WBA'

+44

10'CID'

13+42.7'CID'
18.0'LT

1285+38.2'WBA'
12.0'RT

1285+71.7'WBA'
14.2'RT

R=248.6'

1286+03.2'WBA'
19.0'RT

13+19.8'CID'
21.5'LT

13'CID'

12'CID'

12+08.0'CID'
18.0'LT

12+33.6'CID'
18.0'LT

12+75.7'CID'
18.0'LT

YIELD

1287'SBA'

1286+99.0'SBA'
8.4'LT

1286+86.7'NBB'
3.2'RT

1287'NBB'

+60

+53

1287+30.5'SBA'
3.7'LT

R=108.8'

1287+39.1'SBA'
19.1'LT

1287+62.1'SBA'
1.3'LT

1287+82.5'SBA'
13.8'LT

R=348.6'

USH 61/STH 35/81

1288

1288

MATCH LINE 1288+00'NBB'

N

KEYNOTE LEGEND: PAVEMENT MARKING

1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)
5	MARKING LINE EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
7	MARKING LINE EPOXY 8-INCH (WHITE)
11	MARKING LINE EPOXY 18-INCH (WHITE) (2.0 FT LINE 2.0 FT SKIP)
18	MARKING WORD EPOXY (WHITE)
20	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (10.0 FT C-C)

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 45	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\024501_PM.DWG PLOT DATE : 7/16/2022 10:03 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

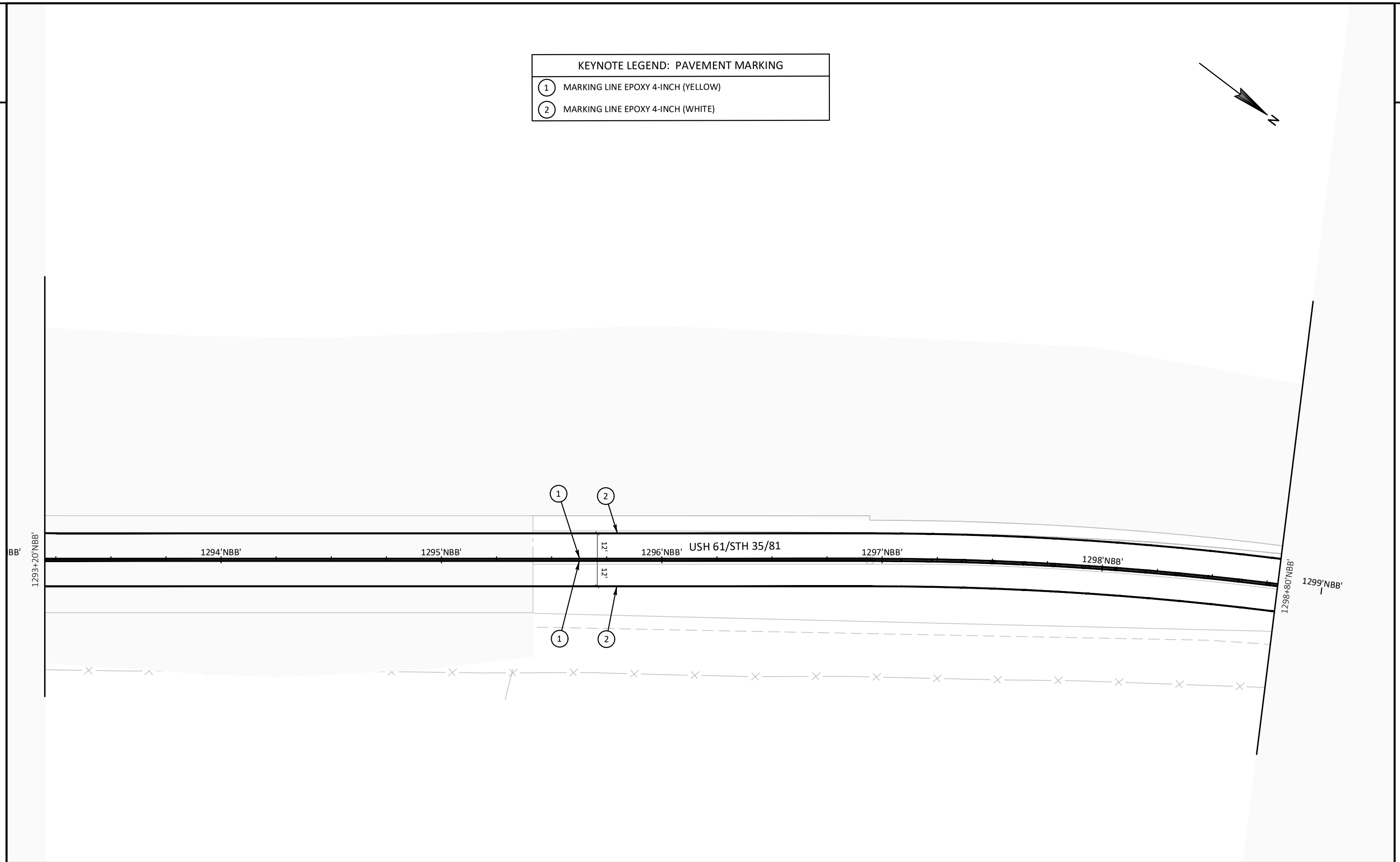
KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)
5	MARKING LINE EPOXY 4-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
14	MARKING DIAGONAL EPOXY 12-INCH (YELLOW) (25.0 FT C-C)
16	MARKING ISLAND NOSE EPOXY (YELLOW)
19	MARKING CURB EPOXY (YELLOW)



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 46	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\024501_PM.DWG PLOT DATE : 7/16/2022 10:03 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

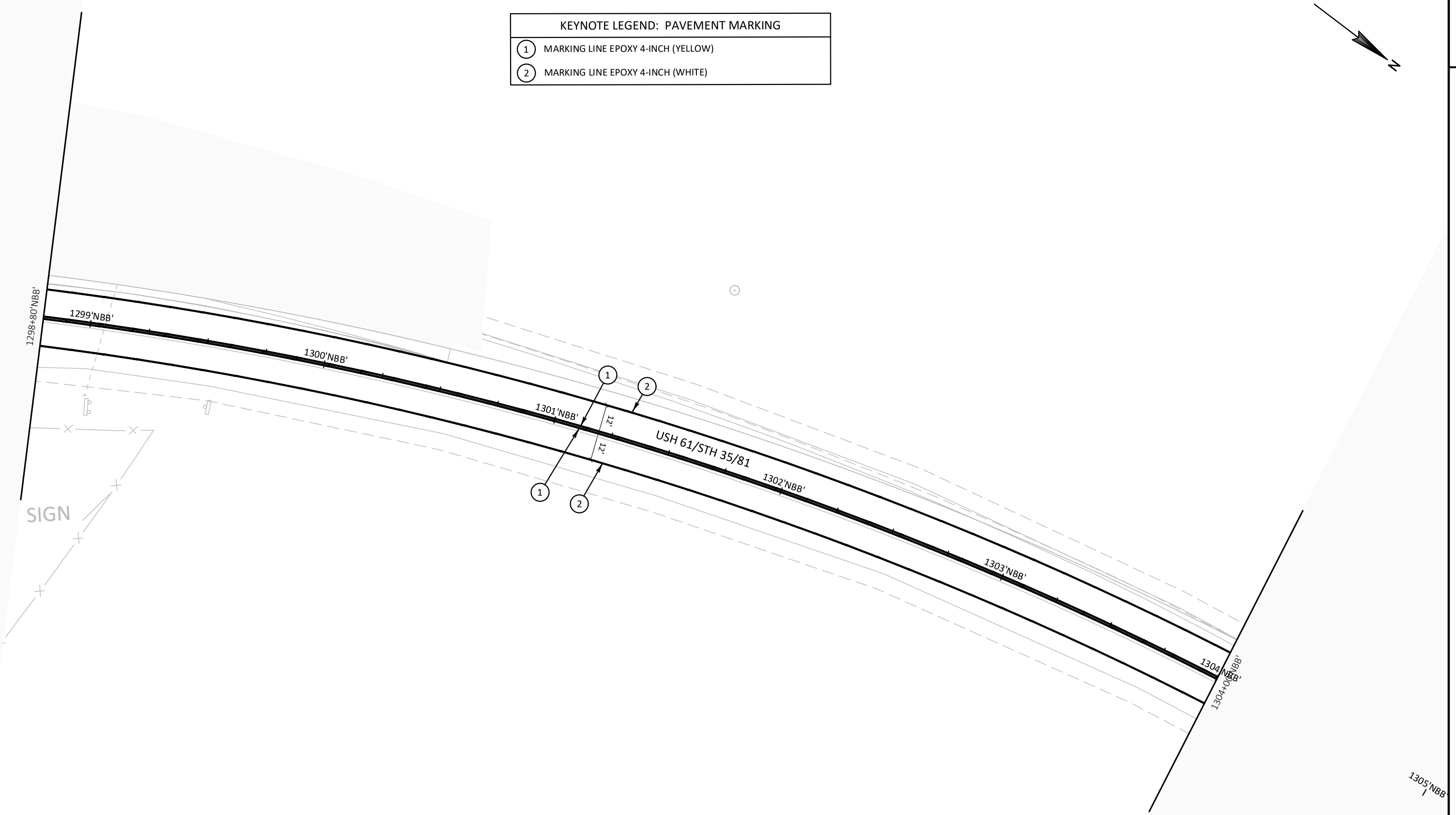
KEYNOTE LEGEND: PAVEMENT MARKING
(1) MARKING LINE EPOXY 4-INCH (YELLOW)
(2) MARKING LINE EPOXY 4-INCH (WHITE)



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 47	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\024501_PM.DWG PLOT DATE : 7/16/2022 10:03 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 40.0 FT

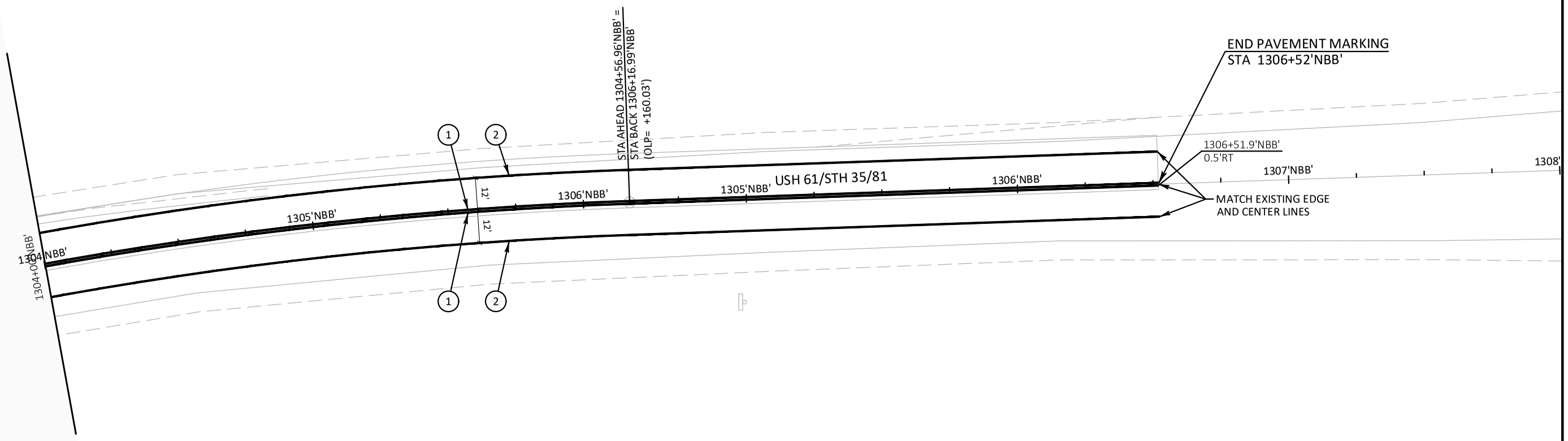
KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 48	E

2

KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE)



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PERMANENT PAVEMENT MARKING	SHEET 49	E

2

N

MESSAGE
ROADWORK
STARTING
XX/XX/XX
PCMS

USH 61 / STH 81

128 1A
126 1A
124 1A
122 1A
120 1A
118 1A
116 1A
114 1A
112 1A
110 1A
108 1A

USH 61/STH 35

AUPPERLE RD

218 1B
216 1B
214 1B
212 1B
210 1B
208 1B
206 1B
204 1B
202 1B

STH 81

MESSAGE
ROADWORK
STARTING
XX/XX/XX
PCMS

MESSAGE
ROADWORK
STARTING
XX/XX/XX
PCMS

TEMPORARY PAVEMENT

TRAFFIC CONTROL - STAGE 1

CONSTRUCT TEMPORARY PAVEMENT.

PLACE PCMS 7 DAYS IN ADVANCE OF PROJECT START.

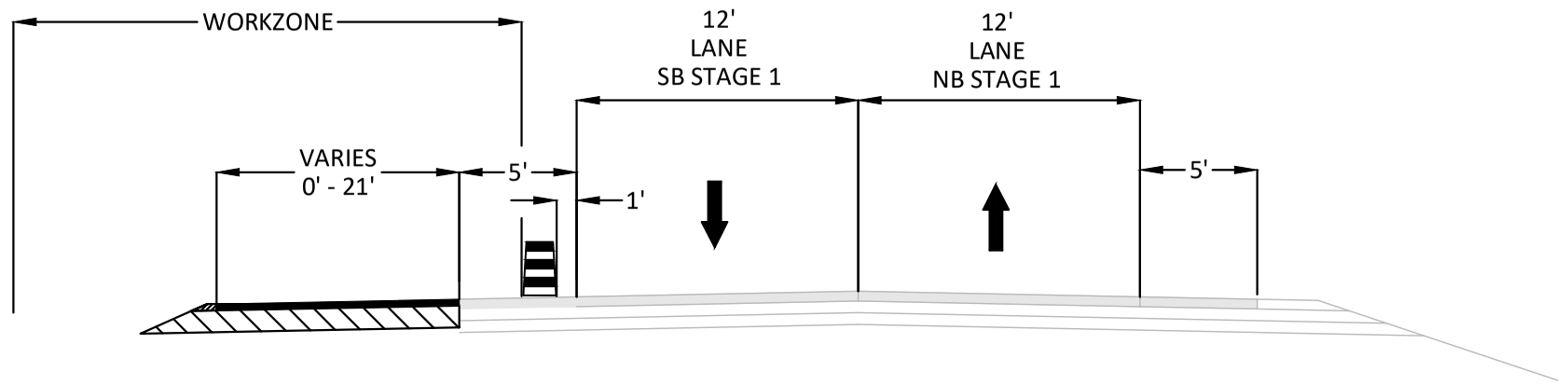
MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE EXISTING ROADWAY.

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 50	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
PLOT DATE : 11/8/2022 12:22 PM
PLOT BY : SEH
LAYOUT NAME : 00
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

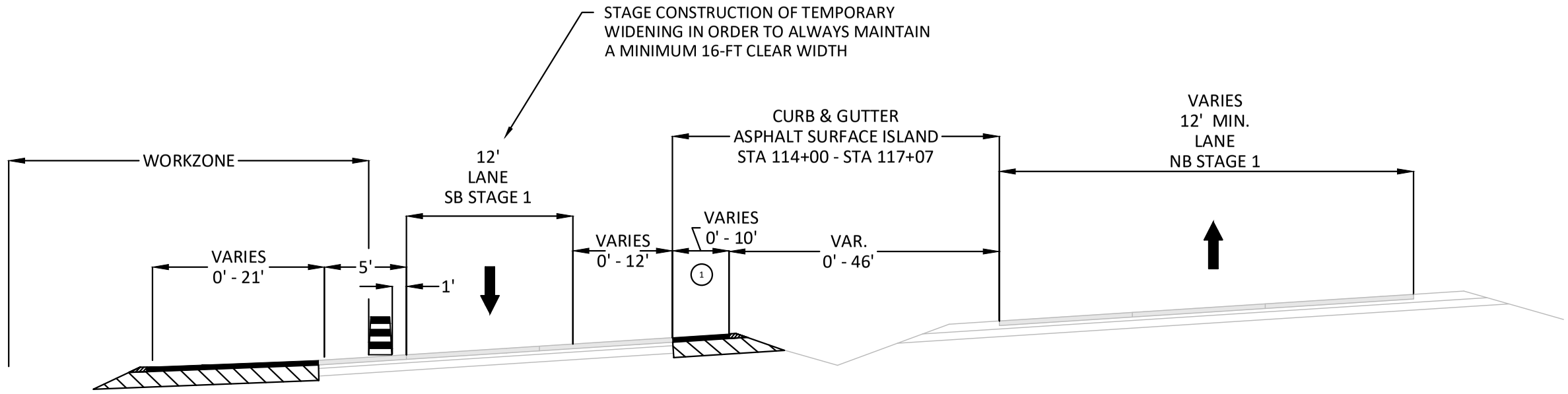


STAGE 1 - TYPICAL SECTION USH 61
STA 101+73 1A - STA 114+00 1A

1. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO ROADWAY SHOULDER

NOTES

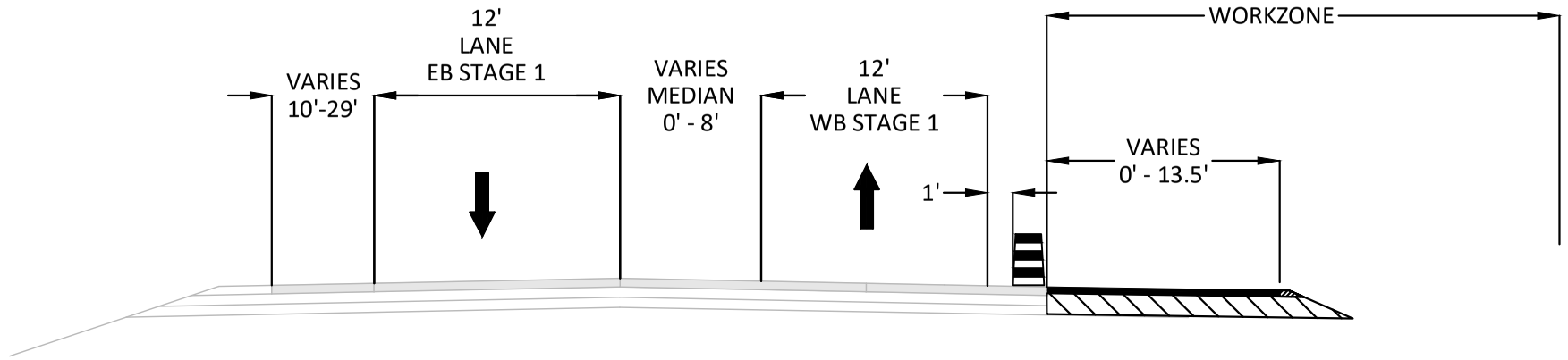
(1) STA 121+19 S1 61 - STA 130+61 S1 61



STAGE 1 - TYPICAL SECTION USH 61
STA 114+00 1A - STA 130+61 1A

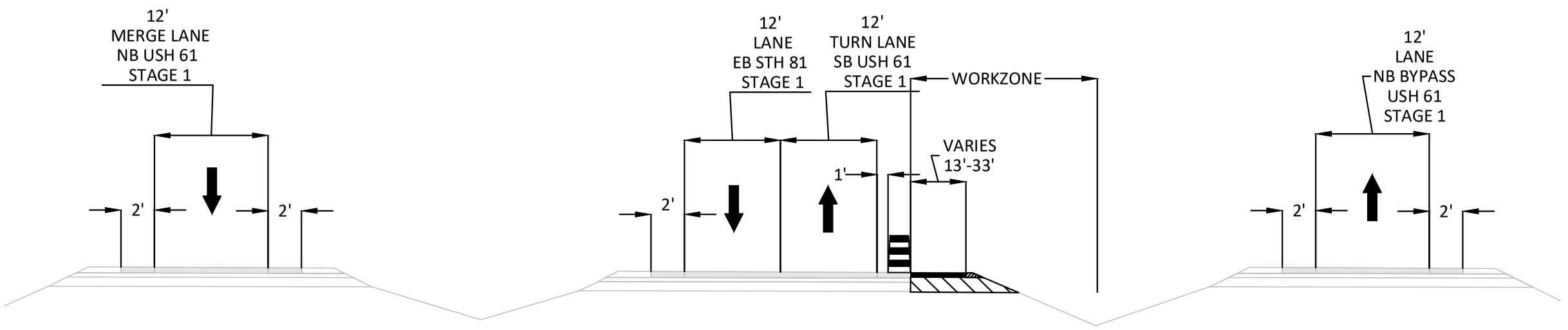
1. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO ROADWAY SHOULDER

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 51	E



STAGE 1 - TYPICAL SECTION STH 81
STA 202+42 1B - STA 215+86 1B

1. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO ROADWAY SHOULDER



STAGE 1 - TYPICAL SECTION STH 81 AT INTERSECTION
STA 202+42 1B - STA 218+89 1B

1. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO ROADWAY SHOULDER

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 52	E

2

N

SPEED LIMIT 55
R2-1
24"X30"

END ROAD WORK
G20-2A
48"X24"

R/W

R/W

USH 61

500'

500'

500'

SPEED LIMIT 45
W03-5

SPEED LIMIT 45
R2-1
24"X30"

R/W

R/W

ROAD WORK AHEAD
W20-1A

1500'

ROAD WORK 1000 FT
W20-1C

500'

ROAD WORK 500 FT
W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 53	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 11/8/2022 12:24 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

R/W

TLE

FO

T

OH

USH 61/STH 35

102 1A

50' TYP

104 1A

R/W

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 54	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 12:24 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

ROAD WORK 500 FT
W20-1D

END ROAD WORK
G20-2A
48"X24"

N

R/W

AUPPERLE RD

TENNYSON	8
DICKEYVILLE	17
DUBUQUE	26

MOVE

STOP
MOVE

TLE

REMOVE

HWY 35 & 61
AUPPERLE RD
TO BE MOVE BY LOCAL OFFICIALS

106 1A

108 1A

110 1A

50' TYP

USH 61/STH 35

MARKING REMOVAL LINE 4-INCH, WHITE EDGELINE

WELL

R/W

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 55 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 11/8/2022 12:25 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

MARKING REMOVAL LINE
4-INCH, WHITE EDGELINE

REMOVE
Aupperle Rd
DO NOT ENTER
REMOVE

MOVE
SOUTH 61 SOUTH 35

R/W

TLE

112 1A

114 1A

116 1A

50' TYP

USH 61/STH 35

USH 61/STH 35

R/W

TLE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 56	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 11/8/2022 12:25 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

216 1B

STH 81

MARKING REMOVAL LINE 4-INCH, WHITE EDGELINE

218 1B

STOP

MOVE

YIELD

REMOVE

EAST 81

MOVE

USH 61/STH 35

116 1A

114 1A

120 1A

MARKING REMOVAL LINE 4-INCH, YELLOW EDGELINE

DO NOT ENTER

REMOVE

SOUTH 61 35

MOVE

ONE WAY

REMOVE

SOUTH 61 35

MOVE

MARKING REMOVAL LINE 4-INCH, WHITE EDGELINE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 57	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 05
PLOT DATE : 11/8/2022 12:26 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

TLE

R/W

ONE WAY
REMOVE

DO NOT ENTER
REMOVE

MARKING REMOVAL LINE 4-INCH, WHITE EDGELINE

DO NOT ENTER
REMOVE

EAST 81
REMOVE

TLE

R/W

120 1A

122 1A

124 1A

USH 61

MARKING REMOVAL LINE 4-INCH, YELLOW EDGELINE

R/W

SIGN

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

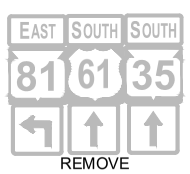
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 58	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 06

PLOT DATE : 11/8/2022 12:26 PM | PLOT BY : SEH | LAYOUT NAME : 06 | PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



REMOVE



REMOVE

R/W

TLE

MARKING REMOVAL LINE 4-INCH, WHITE EDGELINE



W8-9A
48"X48"

50' TYP

126 1A

128 1A

130 1A

132 1A

USH 61

MARKING REMOVAL LINE 4-INCH, YELLOW EDGELINE

R/W

SIGN

SIGN

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 59	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 07
PLOT DATE : 11/8/2022 12:26 PM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N

ROAD WORK 500 FT
W20-1D

500'

ROAD WORK 1000 FT
W20-1C

1500'

ROAD WORK AHEAD
W20-1A

SPEED LIMIT 45
R2-1
24"X30"

R/W

SPEED LIMIT 45
W03-5

500' 500' 500'

134 1A 136 1A 138 1A

FO FO FO

R/W R/W

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 55
R2-1
24"X30"

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 60	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 08
PLOT DATE : 11/8/2022 12:27 PM
PLOT BY : SEH
LAYOUT NAME : 08
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

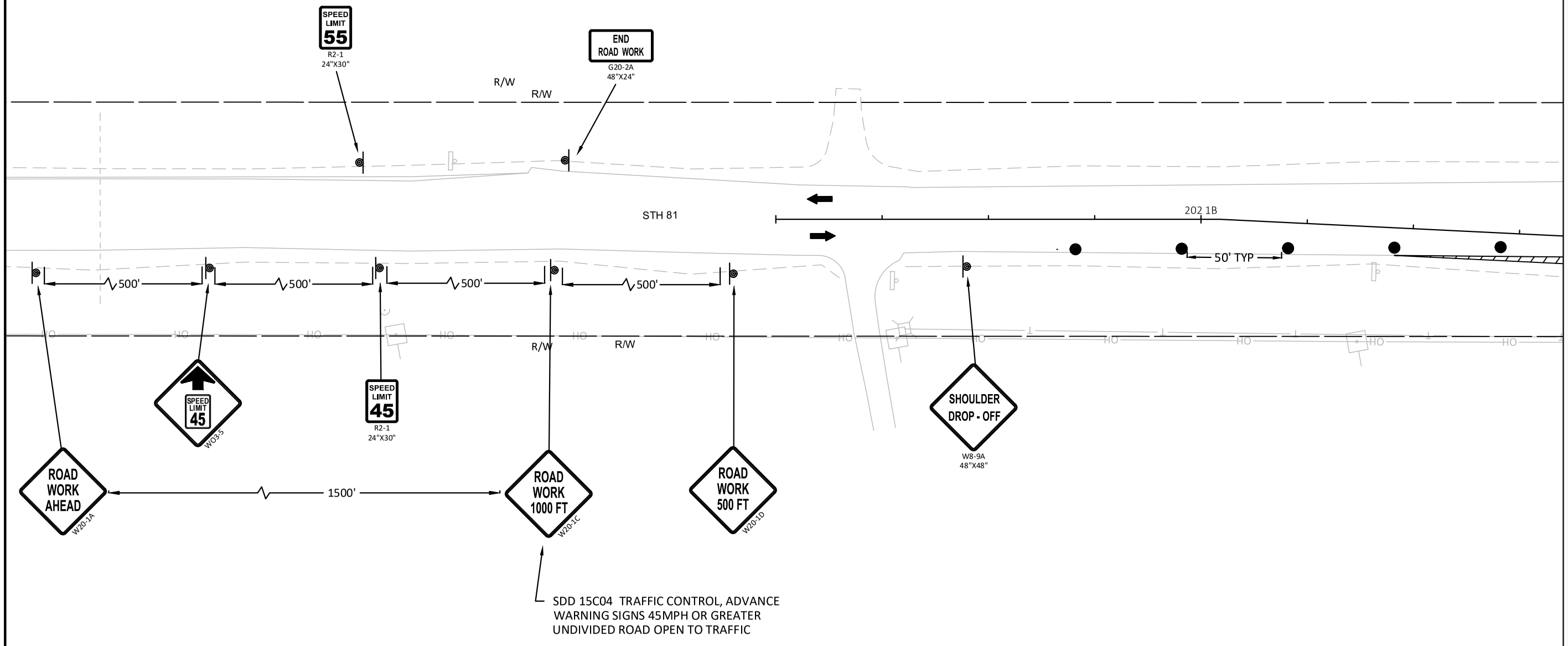
2

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

N



SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 61	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 10

PLOT DATE : 11/8/2022 12:27 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

R/W

R/W

STH 81

204 1B

206 1B

208 1B

50' TYP

210 1B

R/W

NORTH NORTH WEST 35 61 81

REMOVE

SOUTH SOUTH 35 61

REMOVE

MARKING REMOVAL LINE 4-INCH, WHITE EDGELINE

SOUTH SOUTH 35 61

REMOVE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 62	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 11
PLOT DATE : 11/8/2022 12:28 PM
PLOT BY : SEH
LAYOUT NAME : 11
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

TLE

R/W

212 1B

50' TYP

214 1B

STH 81

216 1B

218 1B

USH 61/STH 35

VT 911

Dubuque
Lancaster
MOVE

MARKING REMOVAL
LINE 4-INCH, WHITE
EDGELINE

MOVE/REUSE
SOUTH 61 SOUTH 35
REMOVE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY PAVEMENT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 1	SHEET 63	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025100_TC.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 12:28 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

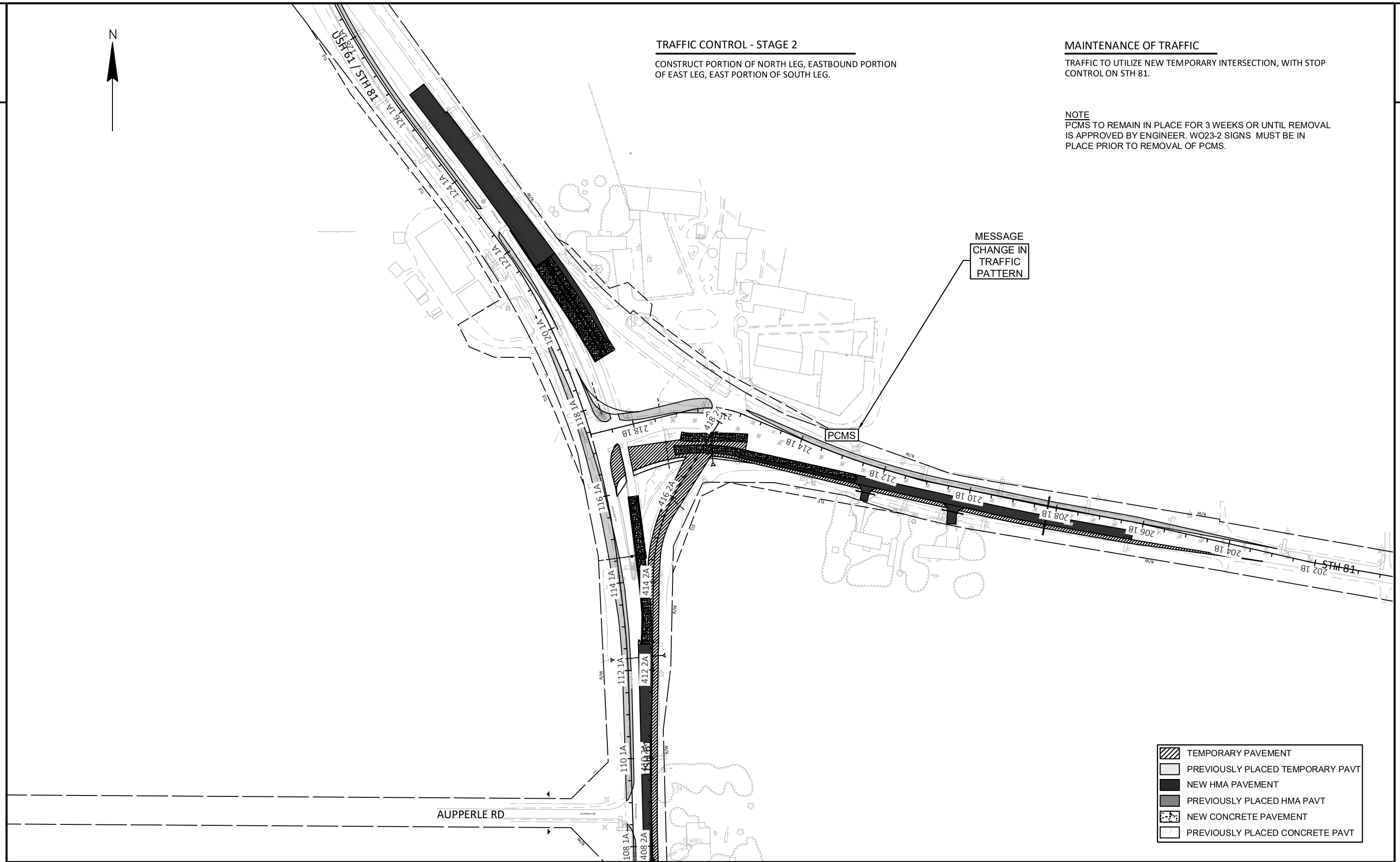
TRAFFIC CONTROL - STAGE 2

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE NEW TEMPORARY INTERSECTION, WITH STOP CONTROL ON STH 81.

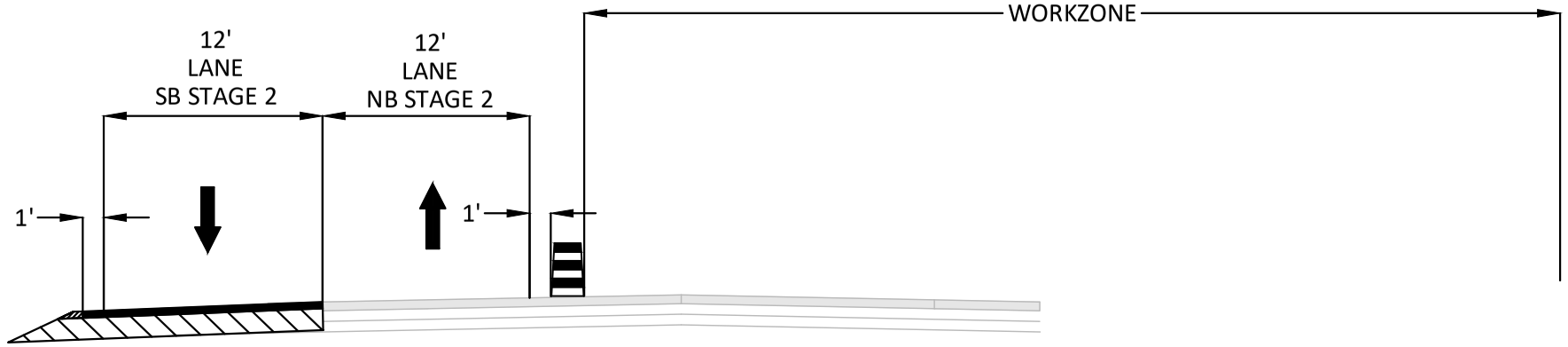
NOTE
PCMS TO REMAIN IN PLACE FOR 3 WEEKS OR UNTIL REMOVAL IS APPROVED BY ENGINEER. WO23-2 SIGNS MUST BE IN PLACE PRIOR TO REMOVAL OF PCMS.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 64	E

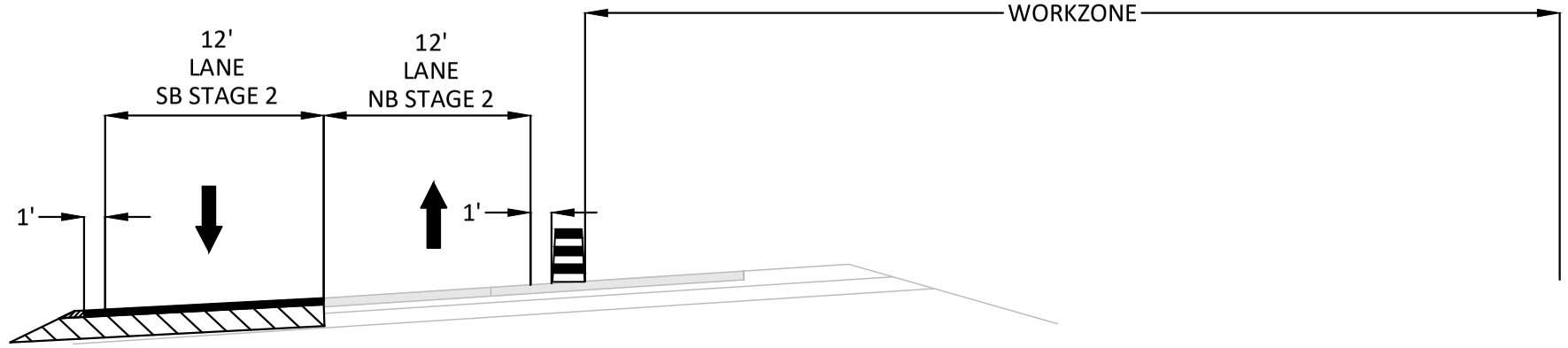
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG PLOT DATE : 11/8/2022 12:31 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



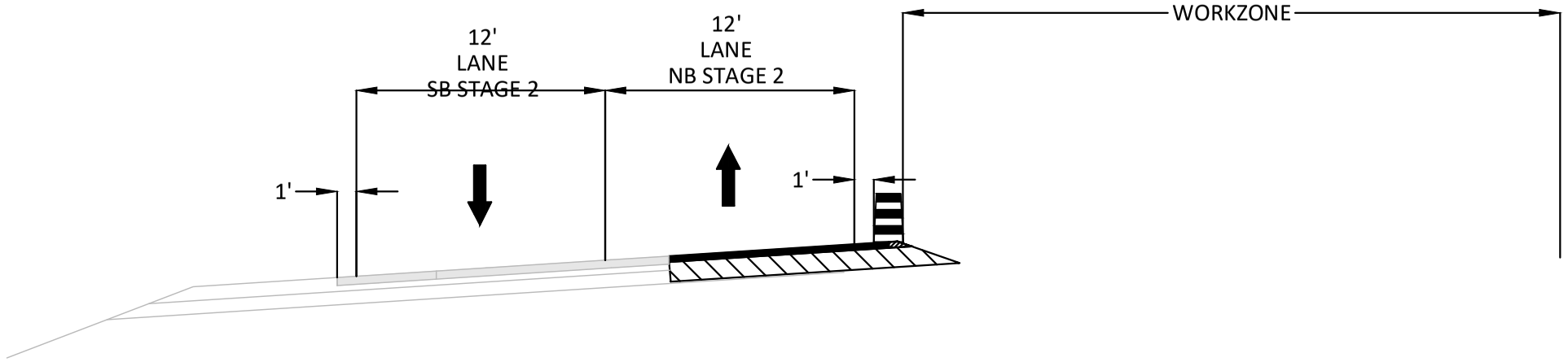
STAGE 2 - TYPICAL SECTION USH 61
STA 101+73 1A - STA 114+00 1A

1. CONSTRUCT PORTIONS OF SOUTH LEG OF ROUNDABOUT



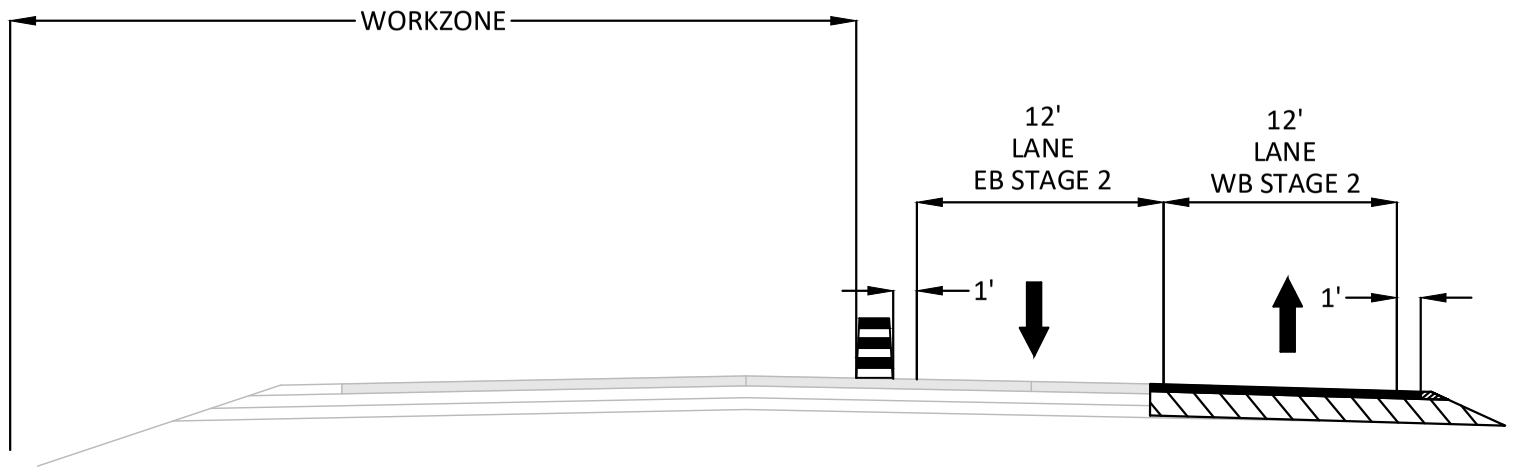
STAGE 2 - TYPICAL SECTION USH 61
STA 114+00 1A - STA 120+89 1A

1. CONSTRUCT PORTIONS OF THE NORTH & SOUTH LEG OF ROUNDABOUT



STAGE 2 - TYPICAL SECTION USH 61
STA 121+19 1A - STA 130+61 1A

1. CONSTRUCT PORTIONS OF NORTH LEG OF ROUNDABOUT



STAGE 2 - TYPICAL SECTION STH 81
STA 202+00 1B - STA 218+00 1B

1. CONSTRUCT PORTIONS OF EAST LEG OF ROUNDABOUT

N

SPEED LIMIT 55
R2-1
24"X30"

END ROAD WORK
G20-2A
48"X24"

R/W

R/W

USH 61/STH 35

500'

500'

500'

SPEED LIMIT 45
W03-5

SPEED LIMIT 45
R2-1
24"X30"

R/W

R/W

ROAD WORK AHEAD
W20-1A

1500'

ROAD WORK 1000 FT
W20-1C

500'

ROAD WORK 500 FT
W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 67	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/8/2022 12:33 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

R/W

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

TLE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

USH 61/STH 35

104 1A

102 1A

404 2A

50'

W1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

R/W

W01-4L

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 68	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 12:33 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

ROAD WORK 500 FT
W20-1D

END ROAD WORK
G20-2A
48"X24"

N

STA 107+50 1A
CHANGE FROM TEMPORARY MARKING LINE REMOVABLE TAPE TO TEMPORARY MARKING LINE PAINT, ALL MARKINGS

R/W

AUPPERLE RD

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

W01-4L

TENNYSON 8
DICKEYVILLE 17
DUBUQUE 26

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

TLE

W1-6
48"X24"

STOP

HWY 35 & 61
AUPPERLE RD

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

106 1A
108 1A
110 1A

USH 61/STH 35

50'

406 2A
408 2A
410 2A

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

R/W

SLAB

WELL

Lancaster
Platteville
MOVE

NORTH 61
NORTH 35
WEST 81
EAST 81
MOVE
M05-1R
21"X21"

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 69	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 11/8/2022 12:34 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

M3-3 24"X12" SOUTH
M3-3 24"X12" SOUTH
M1-4 24"X24" 61
M1-6 24"X24" 35

REMOVE

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

R/W

TLE

112 1A

USH 61/STH 35

114 1A

116 1A

USH 61/STH 35

50'

412 2A

414 2A

416 2A

M3-1 24"X12" NORTH
M3-1 24"X12" NORTH
M3-4 24"X12" WEST
MOVE EAST
M1-4 24"X24" 61 35 81 81
MO6-1 21"X21"
MO6-1 21"X21"
MO6-1 21"X21"
MO6-1 21"X21"

RAMP 25 MPH
REMOVE

R3-8xx 36"X30" ONLY ONLY

EAST 81
MOVE
REMOVE

DO NOT ENTER
REMOVE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 70	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 11/8/2022 12:34 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

ROAD CLOSED
R11-2
48"X30"

MOVE/USE AT NEW INTERSECTION
NORTH NORTH WEST
35 61 81
REMOVE

W1-6
48"X24"

MARKING REMOVAL LINE 4-INCH, CENTERLINES & GORE LINES

ONLY ONLY
R3-8xx
36"X30"

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

MOVE
STOP

MARKING REMOVAL LINE 8-INCH, TURN LANE LINE

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

ONLY ONLY
R3-8xx
36"X30"

MOVE/USE EXISTING
EAST SOUTH SOUTH
81 61 35
MO6-1 21"X21" MO6-1 21"X21"

MOVE/USE EXISTING
SOUTH SOUTH NORTH NORTH WEST
61 35 61 35 81
MO6-1 21"X21" MO6-1 21"X21" MO6-1 21"X21"

TEMPORARY MARKING STOP LINE PAINT 18-INCH WHITE

M1-4 24"X24"
M3-1 24"X12" M3-1 24"X12" M3-4 24"X12" MOVE
NORTH NORTH WEST EAST
61 35 81 81
MO6-1 21"X21" MO6-1 21"X21" MO6-1 21"X21" MO6-1 21"X21"

ONLY ONLY
R3-8xx
36"X30"

50'

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

M3-3 24"X12" M3-3 24"X12"
SOUTH SOUTH
61 35
M1-4 24"X24" M1-6 24"X24"

STH 81
USH 61/STH 35
EAST 81
216 1B
218 1B
418 2A
416 2A
414 2A
114 1A
116 1A
118 1A
120 1A

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 71	E

2

TEMPORARY MARKING LINE PAINT 8-INCH WHITE, 3' SKIPS, 9' GAP

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

MARKING REMOVAL LINE 8-INCH, TURN LANE LINE

TLE

R/W

ROAD CLOSED
R11-2
48"X30"

120 1A

122 1A

124 1A

USH 61/STH 35

ONE WAY
REMOVE

SIGN

NORTH 61 NORTH 35 WEST 81
MOVE

REMOVE

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 72	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 06
PLOT DATE : 11/8/2022 12:35 PM
PLOT BY : SEH
LAYOUT NAME : 06
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

R/W

TLE

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

ROAD WORK 500 FT
W20-1D

126 1A

128 1A

130 1A

132 1A

USH 61

FO

SIGN

R/W

DO NOT ENTER
REMOVE

END ROAD WORK
G20-2A
48"X24"

MARKING REMOVAL LINE 4-INCH, GORE LINES

WRONG WAY
REMOVE

Lancaster 3
MOVE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 73	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 07

PLOT DATE : 11/8/2022 12:35 PM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N

ROAD WORK 500 FT
W20-1D

500'

ROAD WORK 1000 FT
W20-1C

1500'

ROAD WORK AHEAD
W20-1A

SPEED LIMIT 45
R2-1
24"X30"

R/W

SPEED LIMIT 45
W03-5

R/W

500'

500'

500'

134 1A

136 1A

USH 61

138 1A

R/W

R/W

FO

T

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 55
R2-1
24"X30"

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 74	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 08

PLOT DATE : 11/8/2022 12:36 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

SPEED LIMIT 55
R2-1
24"X30"

END ROAD WORK
G20-2A
48"X24"

R/W
R/W

MARKING REMOVAL LINE 4-INCH, CENTERLINES

STH 81

202 1B

500' 500' 500' 500'

HO HO HO HO HO HO HO HO HO HO HO HO HO HO

R/W
R/W

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

SPEED LIMIT 45
W03-5

SPEED LIMIT 45
R2-1
24"X30"

SHOULDER DROP - OFF
W8-9A
48"X48"

W01-4R

ROAD WORK AHEAD
W20-1A

1500'

ROAD WORK 1000 FT
W20-1C

ROAD WORK 500 FT
W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 75	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 10
PLOT DATE : 11/8/2022 12:36 PM
PLOT BY : SEH
LAYOUT NAME : 10
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

MARKING REMOVAL LINE 4-INCH, CENTERLINES

Platteville 13
MOVE

MOVE

R/W

STH 81

204 1B
206 1B
208 1B
210 1B

R/W

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

MARKING REMOVAL LINE 4-INCH, CENTERLINES

STA 206+50 1B
CHANGE FROM TEMPORARY MARKING LINE REMOVABLE TAPE TO TEMPORARY MARKING LINE PAINT, ALL MARKINGS

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 76	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 11
PLOT DATE : 11/8/2022 12:37 PM
PLOT BY : SEH
LAYOUT NAME : 11
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

EAST 81 MOVE

MARKING REMOVAL LINE, 4-INCH

DO NOT ENTER REMOVE

WRONG WAY REMOVE

MOVE/ REUSE EAST 81 REMOVE

TLE

R/W

USH 61/STH 35

VT 911

212 1B

214 1B

216 1B

218 1B

STH 81

416 2A

418 2A

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

Dubuque
Lancaster

PCMS

MOVE/USE EXISTING

SOUTH	SOUTH	NORTH	NORTH	WEST
61	35	61	35	81
M05-1L 21"X21"	M05-1L 21"X21"	M05-1R 21"X21"	M05-1R 21"X21"	M05-1R 21"X21"

W3-1 36"X36"

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

W1-6 48"X24"

ROAD CLOSED R11-2 48"X30"

MESSAGE
CHANGE IN TRAFFIC PATTERN

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 2	SHEET 77	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025101_TC.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 12:37 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

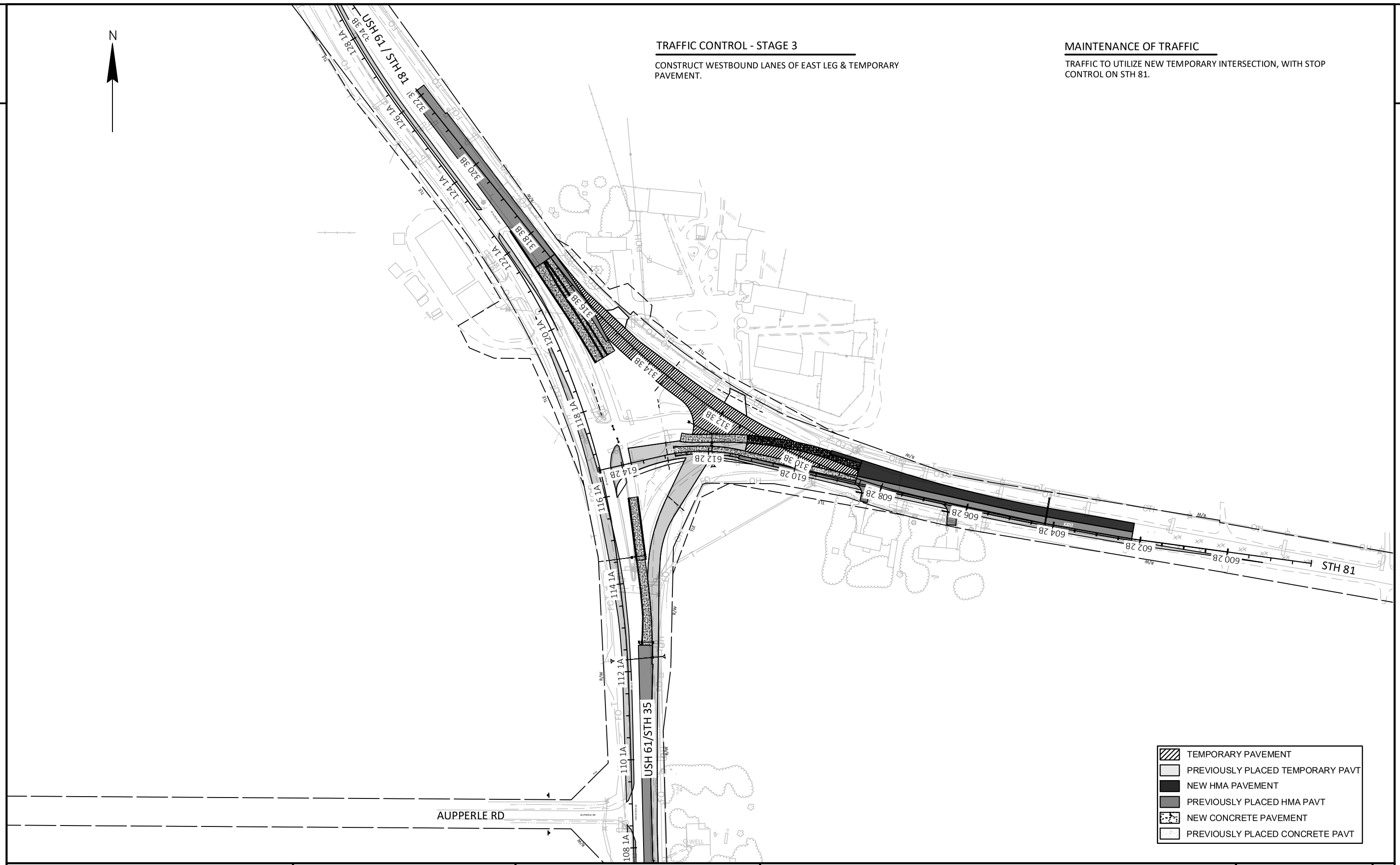
N

TRAFFIC CONTROL - STAGE 3

CONSTRUCT WESTBOUND LANES OF EAST LEG & TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC

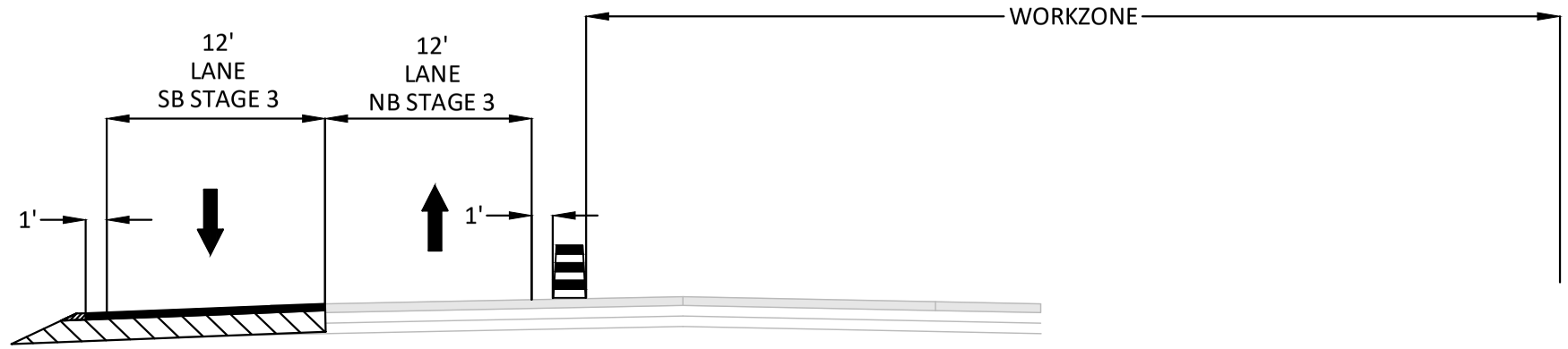
TRAFFIC TO UTILIZE NEW TEMPORARY INTERSECTION, WITH STOP CONTROL ON STH 81.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 78	E

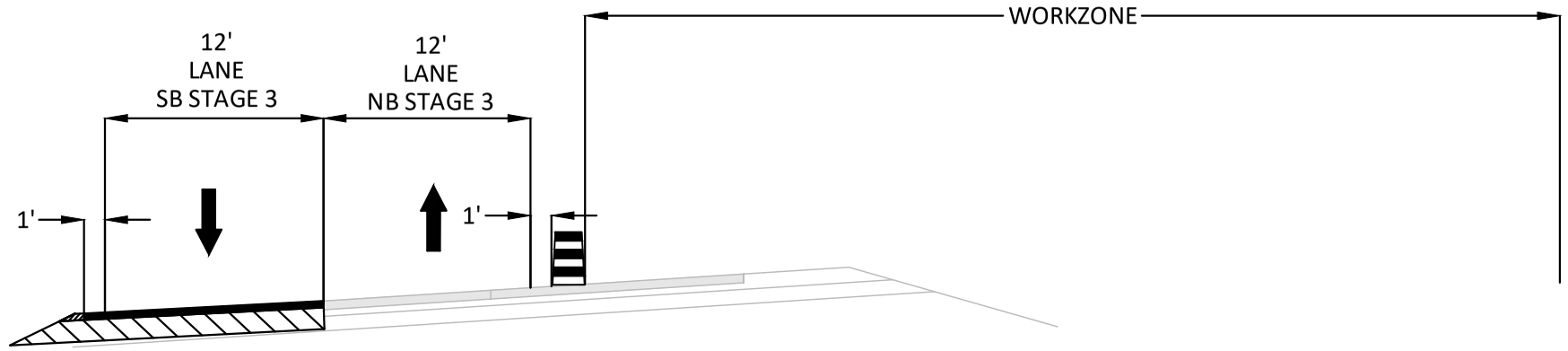
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG PLOT DATE : 11/8/2022 1:02 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



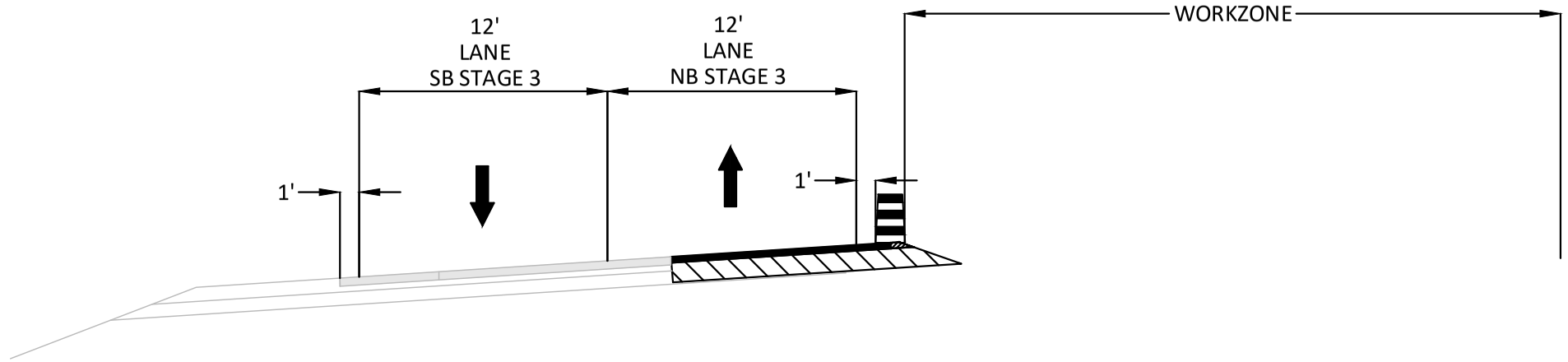
STAGE 3 - TYPICAL SECTION USH 61
STA 101+73 1A - STA 114+00 1A

1. CONSTRUCT PORTIONS OF SOUTH LEG OF ROUNDABOUT



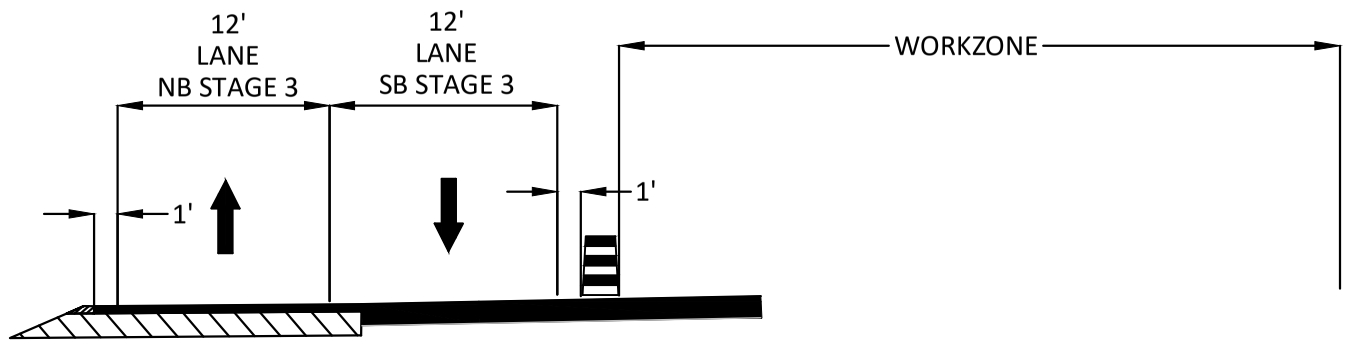
STAGE 3 - TYPICAL SECTION USH 61
STA 114+00 1A - STA 116+00 1A

1. CONSTRUCT PORTIONS OF THE SOUTH LEG OF ROUNDABOUT



STAGE 3 - TYPICAL SECTION USH 61
STA 121+19 1A - STA 130+61 1A

1. CONSTRUCT PORTIONS OF NORTH LEG OF ROUNDABOUT



STAGE 3 - TYPICAL SECTION STH 81
STA 600+00 2B - STA 614+00 2B

1. CONSTRUCT PORTIONS OF EAST LEG OF ROUNDABOUT & TEMPORARY PAVEMENTS

N

1265+37.50

5

5

SPEED LIMIT 55
R2-1
24"X30"

END ROAD WORK
G20-2A
48"X24"

R/W

R/W

USH 61/STH 35

500'

500'

500'

SPEED LIMIT 45
W03-5

SPEED LIMIT 45
R2-1
24"X30"

R/W

R/W

ROAD WORK AHEAD
W20-1A

1500'

ROAD WORK 1000 FT
W20-1C

500'

ROAD WORK 500 FT
W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 81	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/8/2022 1:04 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

1272+25.00

R/W

TLE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

USH 61/STH 35

102 1A

104 1A

50'

W1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES & EDGELINES

R/W

W01-4L

1265+37.50

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 82	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 1:04 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

ROAD WORK 500 FT
W20-1D

END ROAD WORK
G20-2A
48"X24"

N

STA 107+50 1A
CHANGE FROM TEMPORARY MARKING LINE REMOVABLE TAPE TO TEMPORARY MARKING LINE PAINT, ALL MARKINGS

R/W

AUPPERLE RD

1278+45.86

TENNYSON	8
DICKEYVILLE	17
DUBUQUE	26

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

TLE

W1-6
48"X24"

STOP

HWY 35 & 61
AUPPERLE RD

W01-4L

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

106 1A

108 1A

110 1A

USH 61/STH 35

50'

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES & EDGELINES

NORTH 61 | NORTH 35 | WEST 81 | EAST 81

MOVE

MO5-1R
21"X21"

SLAB

WELL

R/W

Lancaster
Platteville

1272+25.00

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 83 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 11/8/2022 1:04 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

M3-3 24"X12" SOUTH
M3-3 24"X12" SOUTH
61
35
M1-4 24"X24"
M1-6 24"X24"

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

R/W

112 1A

USH 61

114 1A

116 1A

USH 61/STH 35

50'

614 2B

M3-1 24"X12" NORTH
M3-1 24"X12" NORTH
M3-4 24"X12" WEST
EAST
M1-4 24"X24"
61
35
81
81
MO6-1 21"X21"
MO6-1 21"X21"
MO6-1 21"X21"
MO6-1 21"X21"

R/W

1278+45.86

R3-8xx ONLY ONLY 36"X30"

TLE

STH 81

612 2B

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 84	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 11/8/2022 1:05 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

STA 613+00 2B
CHANGE FROM TEMPORARY MARKING LINE REMOVABLE TAPE TO TEMPORARY MARKING LINE PAINT, ALL MARKINGS (WITHIN INTERSECTION AREA)

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

R3-8xx
36"X30"

MOVE

M3-1 24"X12" | M3-1 24"X12" | M3-4 24"X12"
NORTH | NORTH | WEST | EAST
M1-4 24"X24"
61 | 35 | 81 | 81
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

ROAD CLOSED
R11-2
48"X30"

MOVE
STOP

50'

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

USH 61/STH 35

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

M3-3 24"X12" | M3-3 24"X12"
SOUTH | SOUTH
M1-4 24"X24" | M1-6 24"X24"
61 | 35

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

SOUTH | SOUTH | NORTH | NORTH | WEST
61 | 35 | 61 | 35 | 81
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

TEMPORARY MARKING STOP LINE PAINT 18-INCH WHITE

EAST | SOUTH | SOUTH
81 | 61 | 35
MO6-1 21"X21" | MO6-1 21"X21"

R3-8xx
36"X30"

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 85	E

2

TLE

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TLE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

1294+87.50

ROAD CLOSED

R11-2 48"X30"

120 1A

122 1A

124 1A

USH 61/STH 35

316 3B

318 3B

320 3B

R/W

SIGN

NORTH NORTH WEST 61 35 81

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 86	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 06

PLOT DATE : 11/8/2022 1:06 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

R/W

TLE

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

ROAD WORK 500 FT
W20-1D

1301+75.00

126 1A
128 1A
130 1A
132 1A
322 3B
324 3B
326 3B
328 3B

USH 61/STH 35

Lancaster 3

SIGN

SIGN

END ROAD WORK
G20-2A
48"X24"

1294+87.50

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 87	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 07
PLOT DATE : 11/8/2022 1:06 PM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N

1307+02.47

ROAD WORK 500 FT
W20-1D

500'

ROAD WORK 1000 FT
W20-1C

1500'

ROAD WORK AHEAD
W20-1A

SPEED LIMIT 45
R2-1
24"X30"

SPEED LIMIT 45
W03-5

500'

500'

500'

R/W

USH 61/STH 35

134 1/330 3B

136 1A

332 3B

138 1A

334 3B

FO

T

R/W

END ROAD WORK
G20-2A
48"X24"

SPEED LIMIT 55
R2-1
24"X30"

1301+75.00

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

5

5

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 88	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 08

PLOT DATE : 11/8/2022 1:06 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

1273+08.63

SPEED LIMIT 55 — R2-1 24"X30"

END ROAD WORK — G20-2A 48"X24"

R/W

STH 81

500' 500' 500' 500'

SPEED LIMIT 45 — W03-5

SPEED LIMIT 45 — R2-1 24"X30"

R/W

SHOULDER DROP - OFF — W8-9A 48"X48"

W01-4L

ROAD WORK AHEAD — W20-1A

1500'

ROAD WORK 1000 FT — W20-1C

ROAD WORK 500 FT — W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 89	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 10

PLOT DATE : 11/8/2022 1:07 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

W01-4L

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES & EDGELINES

Platteville 13

R/W

600 2B

602 2B

604 2B

606 2B

STH 81

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

R/W

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

1280+21.54

1273+08.63

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 90	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 11
PLOT DATE : 11/8/2022 1:07 PM
PLOT BY : SEH
LAYOUT NAME : 11
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

STA 613+00 2B
CHANGE FROM TEMPORARY MARKING LINE REMOVABLE TAPE TO TEMPORARY MARKING LINE PAINT, ALL MARKINGS (WITHIN INTERSECTION AREA)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

TEMPORARY MARKING STOP LINE PAINT 18-INCH WHITE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

TLE

STH 81

STH 35

608 2B
308 3B
610 2B
612 2B
614 2B
310 3B
312 3B
314 3B
316 3B

R/W

Dubuque
Lancaster

SOUTH	SOUTH	NORTH	NORTH	WEST
61	35	61	35	81
MO5-1L 21"X21"	MO5-1L 21"X21"	MO5-1R 21"X21"	MO5-1R 21"X21"	MO5-1R 21"X21"

W3-1
36"X36"
MOVE

1280+21.54

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 3	SHEET 91	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025102_TC.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 1:08 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

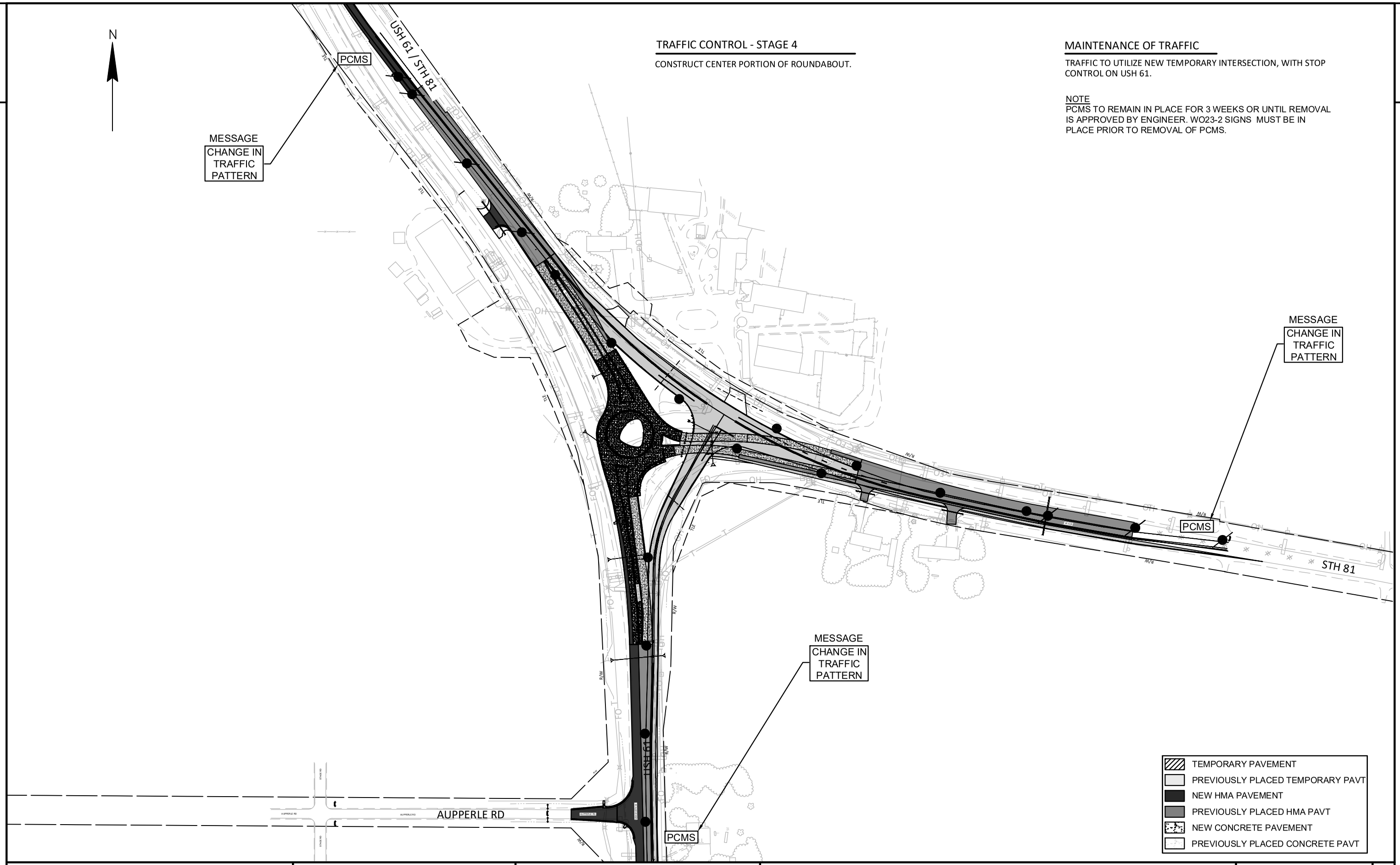
TRAFFIC CONTROL - STAGE 4

CONSTRUCT CENTER PORTION OF ROUNDABOUT.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE NEW TEMPORARY INTERSECTION, WITH STOP CONTROL ON USH 61.

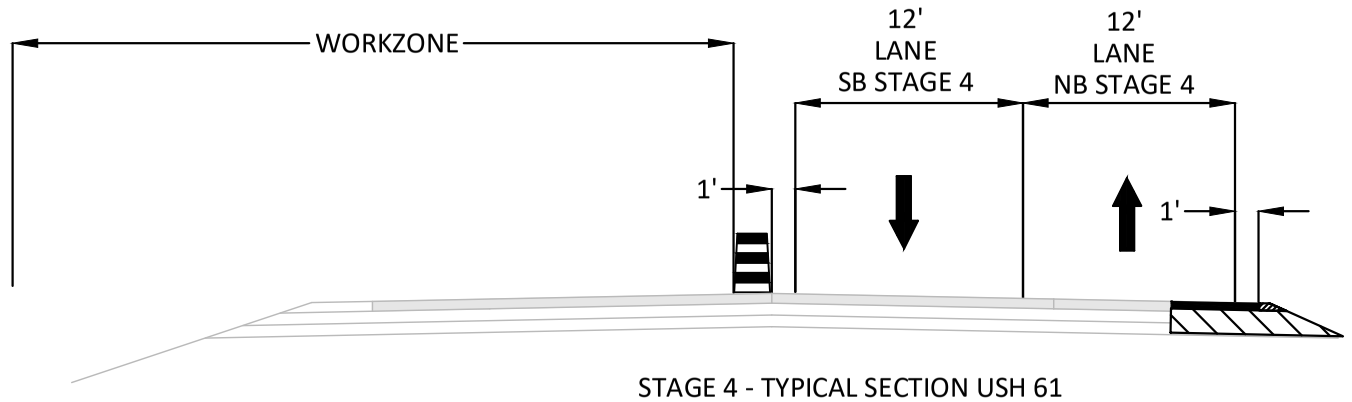
NOTE
PCMS TO REMAIN IN PLACE FOR 3 WEEKS OR UNTIL REMOVAL IS APPROVED BY ENGINEER. WO23-2 SIGNS MUST BE IN PLACE PRIOR TO REMOVAL OF PCMS.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 92	E

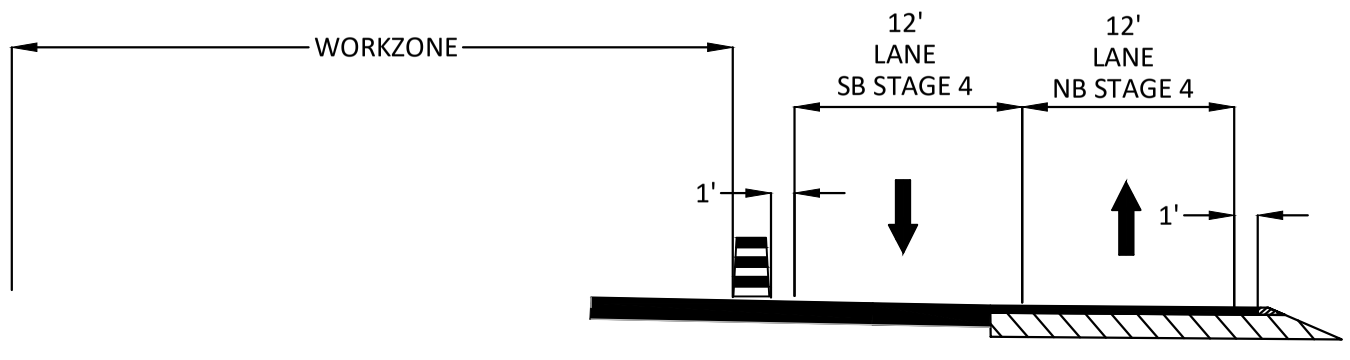
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG PLOT DATE : 11/8/2022 1:12 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42



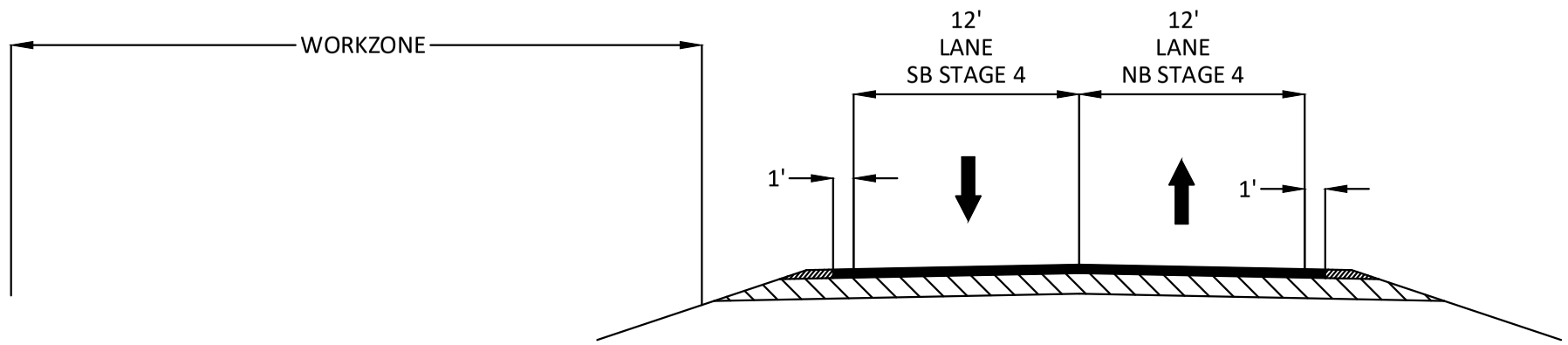
STAGE 4 - TYPICAL SECTION USH 61
STA 402+30 2A - STA 407+50 2A

1. CONSTRUCT PORTIONS OF SOUTH LEG OF ROUNDABOUT



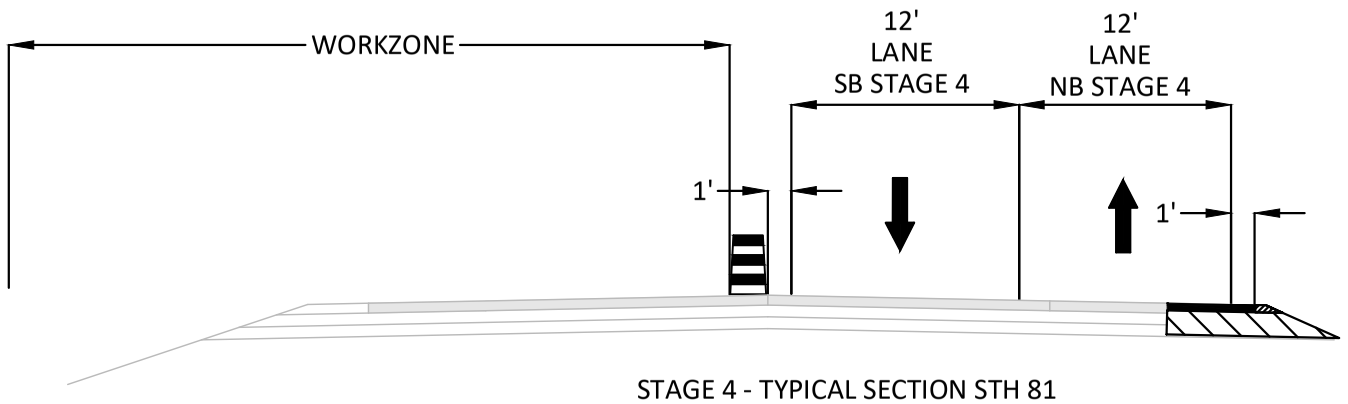
STAGE 4 - TYPICAL SECTION USH 61
STA 407+50 2A - STA 414+02 2A

1. CONSTRUCT PORTIONS OF SOUTH LEG OF ROUNDABOUT

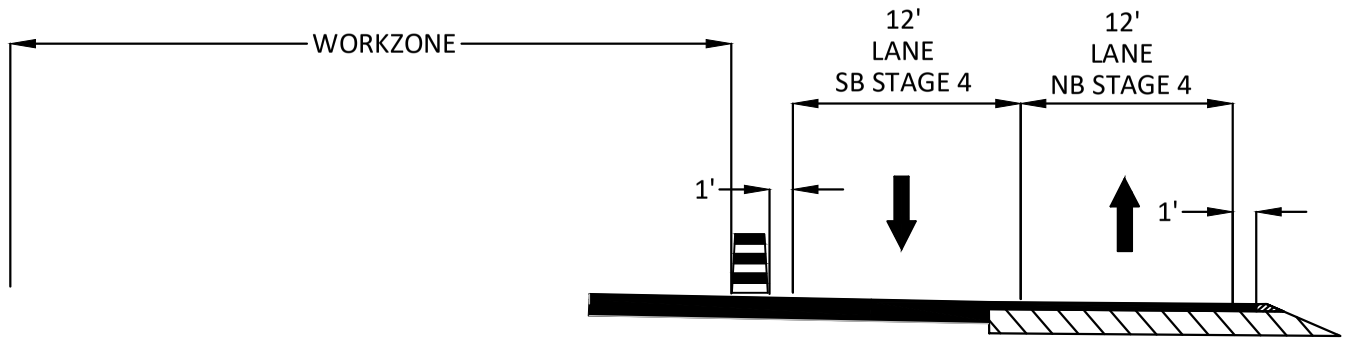


STAGE 4 - TYPICAL SECTION USH 61
STA 414+02 2A - STA 418+00 2A

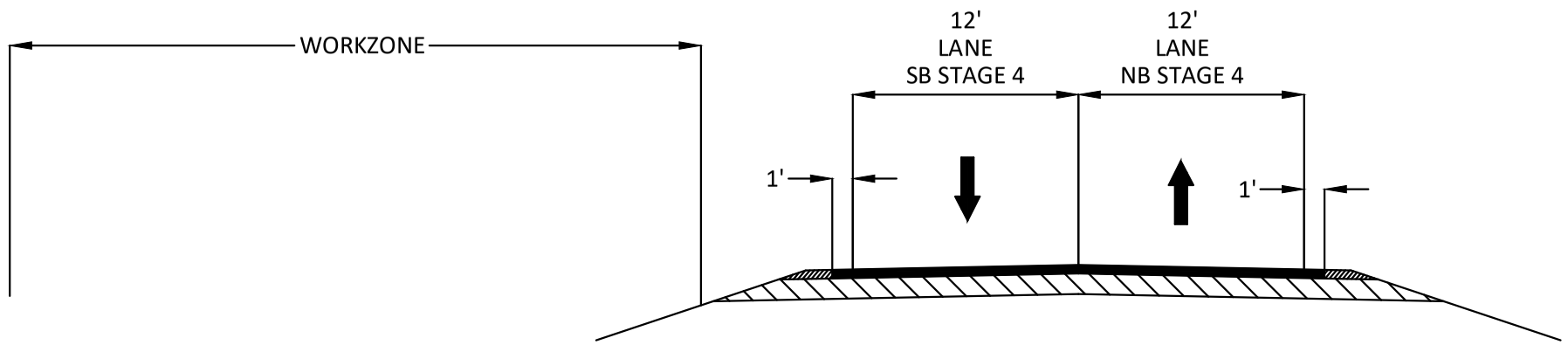
1. CONSTRUCT PORTIONS OF SOUTH LEG OF ROUNDABOUT



STAGE 4 - TYPICAL SECTION STH 81
STA 302+81 3B - STA 308+13 3B
1. CONSTRUCT CENTRAL AREA OF ROUNDABOUT



STAGE 4 - TYPICAL SECTION STH 81
STA 308+13 3B - STA 314+66 3B & STA 319+25 3B - STA 322+75 3B
1. CONSTRUCT CENTRAL AREA OF ROUNDABOUT



STAGE 4 - TYPICAL SECTION STH 81
STA 314+66 3B - STA 319+24 3B
1. CONSTRUCT CENTRAL AREA OF ROUNDABOUT

N

0+00.00

5

5

R/W

SPEED LIMIT 55
R2-1
24"X30"

END ROAD WORK
G20-2A
48"X24"

USH 61/STH 35

500'

500'

500'

SPEED LIMIT 45
W03-5

SPEED LIMIT 45
R2-1
24"X30"

R/W

ROAD WORK AHEAD
W20-1A

1500'

ROAD WORK 1000 FT
W20-1C

500'

ROAD WORK 500 FT
W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 95	E

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

0+00.00

R/W

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

TLE

USH 61/STH 35

402 2A

404 2A

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES & EDGELINES

R/W

W01-4R

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 96	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 11/8/2022 1:14 PM | PLOT BY : SEH | LAYOUT NAME : 02 | PLOT SCALE : 1 IN:50 FT

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

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
DIRECTION OF TRAFFIC
PCMS PORTABLE CHANGEABLE MESSAGE BOARD

N

ROAD CLOSED
R11-2
48"X30"

R/W

AUPPERLE RD

0+00.00

TENNYSON 8
DICKEYVILLE 17
DUBUQUE 26

TLE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES & EDGELINES

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

USH 61/STH 35

406 2A
408 2A
410 2A

PCMS

MESSAGE
NEW TRAFFIC PATTERN

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

SLAB

WELL

R/W

Lancaster
Platteville

NORTH 61 MO5-1L 21"X21"
NORTH 35 MO5-1L 21"X21"
WEST 81 MO5-1L 21"X21"
EAST 81 MO5-1R 21"X21"

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 97	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 11/8/2022 1:14 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

NOTE
SEE SDD 15C02 BARRICADES AND SIGNS FOR MAINLINE CLOSURES

N

STAGE RD

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

R/W

AUPPERLE RD

AUPPERLE RD

AUPPERLE RD

500'

500'

ROAD CLOSED AHEAD
W20-3A

STAGE RD

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED 500 FT
W20-3D

R/W

TLE

2

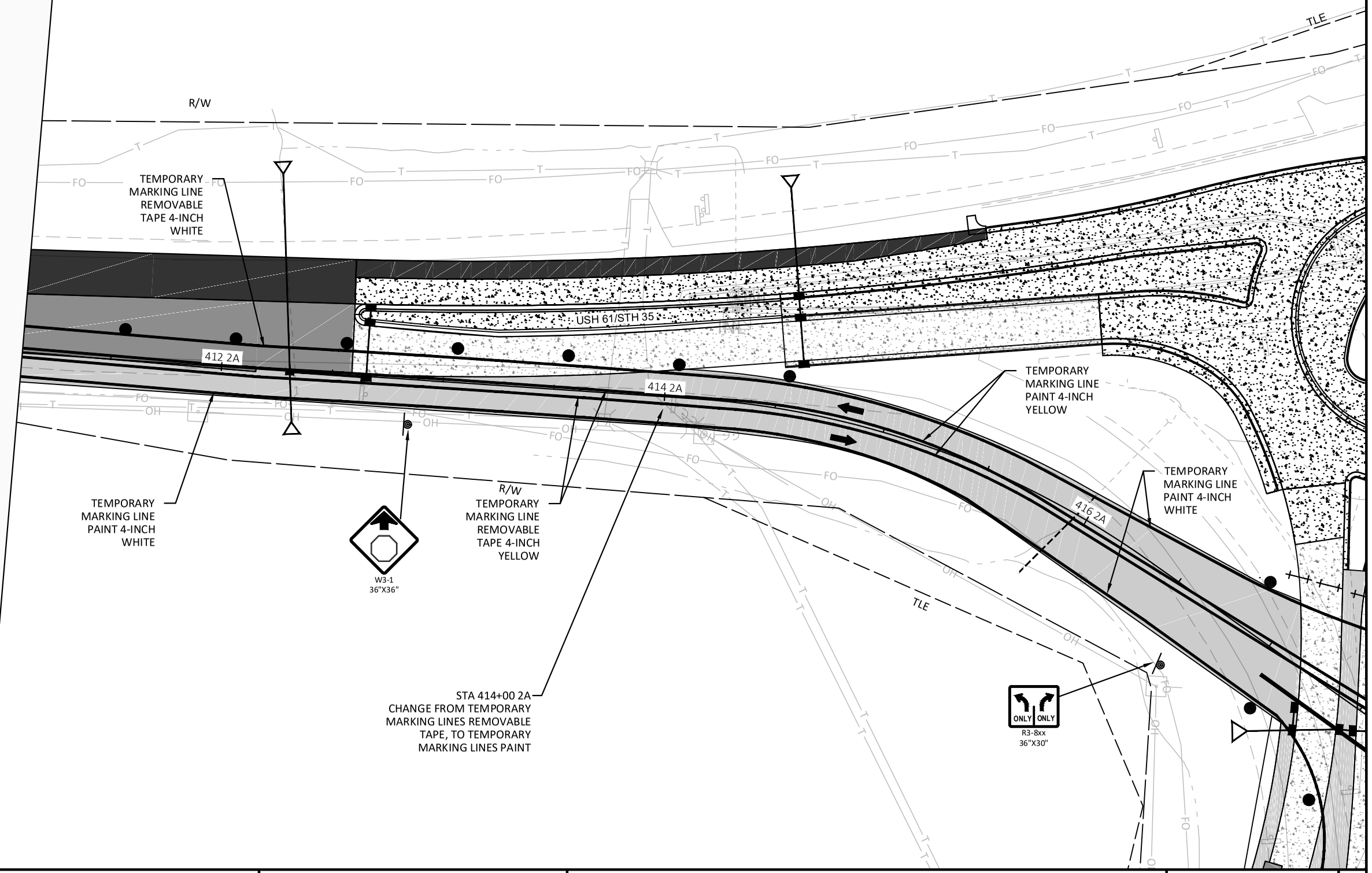
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 98	E

2

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

NOTE
REMOVING TEMPORARY MARKINGS FROM PERMANENT PAVEMENT SURFACE MUST BE DONE BY AIR BLASTING OR WATER BLASTING IN ACCORDANCE WITH STANDARD SPEC 646.

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 99	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 11/8/2022 1:15 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

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
DIRECTION OF TRAFFIC
PCMS PORTABLE CHANGEABLE MESSAGE BOARD

N

SOUTH 61 | SOUTH 35 | NORTH 61 | NORTH 35 | WEST 81
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

STOP
R1-1 36"X36"

TEMPORARY MARKING STOP LINE PAINT 18-INCH WHITE

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

M3-1 24"X12" | M3-1 24"X12" | M3-4 24"X12"
M1-4 24"X24"
NORTH 61 | NORTH 35 | WEST 81 | EAST 81
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

ONLY | ONLY
R3-8xx 36"X30"

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

STA 414+00 2A
CHANGE FROM TEMPORARY MARKING LINES REMOVABLE TAPE, TO TEMPORARY MARKING LINES PAINT

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

EAST 81 | SOUTH 61 | SOUTH 35
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

STA 315+50 3B
CHANGE FROM TEMPORARY MARKING LINES PAINT, TO TEMPORARY MARKING LINES REMOVABLE TAPE

ONLY | ONLY
R3-8xx 36"X30"

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

USH 61/STH 35

M3-3 24"X12" | M3-3 24"X12"
SOUTH 61 | SOUTH 35
M1-4 24"X24" | M1-6 24"X24"

NOTE
REMOVING TEMPORARY MARKINGS FROM PERMANENT PAVEMENT SURFACE MUST BE DONE BY AIR BLASTING OR WATER BLASTING IN ACCORDANCE WITH STANDARD SPEC 646.

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 100	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 05
PLOT DATE : 11/8/2022 1:16 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

TLE

R/W

TLE

1294+87.50

USH 61/STH 35

316 3B

318 3B

320 3B

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

R/W

SIGN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

NORTH NORTH WEST 61 35 81

MOVE

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 101	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 06
PLOT DATE : 11/8/2022 1:16 PM
PLOT BY : SEH
LAYOUT NAME : 06
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

R/W

TLE

MESSAGE

NEW
TRAFFIC
PATTERN

PCMS

W1-6
48"X24"

TEMPORARY
MARKING LINE
REMOVABLE
TAPE 4-INCH
YELLOW

322 3B

324 3B

326 3B

328 3B

USH 61/STH 35

1301+75.00

1294+87.50

SIGN

SIGN

TEMPORARY
MARKING LINE
REMOVABLE
TAPE 4-INCH
WHITE

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 102	E

2

2

N

R/W

USH 61/STH 35

R/W

1307+25.96

1301+75.00

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

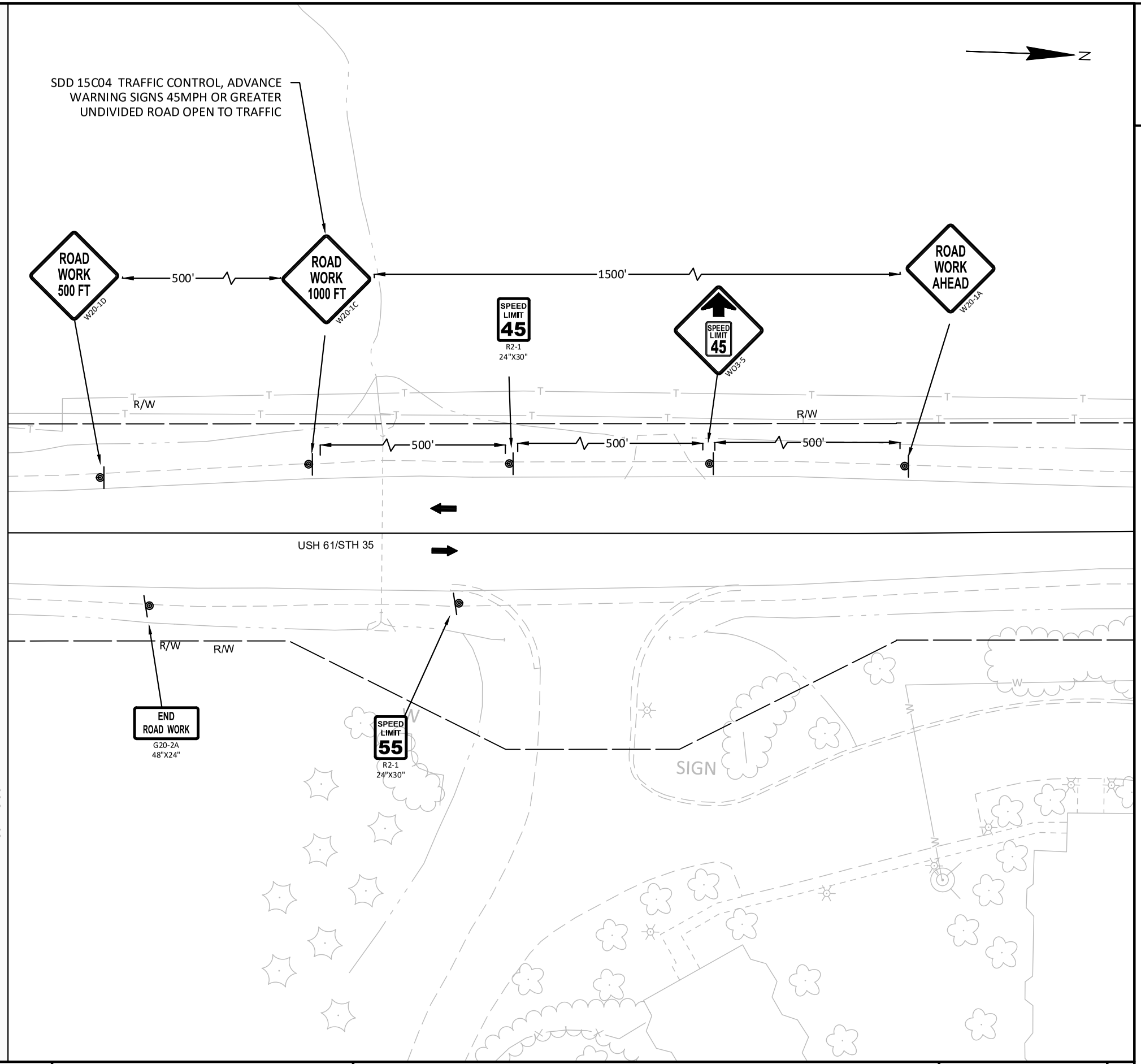
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 103	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 08

PLOT DATE : 11/8/2022 1:17 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1 IN:50 FT

2

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



1307+25.96

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 104	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 09
PLOT DATE : 11/8/2022 1:17 PM
PLOT BY : SEH
LAYOUT NAME : 09
PLOT SCALE : 1 IN:50 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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

0+00.00

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES

SPEED LIMIT 55 — R2-1 24"X30"

END ROAD WORK — G20-2A 48"X24"

R/W

R/W

STH 81

500'

500'

500'

500'

SPEED LIMIT 45 — W03-5

SPEED LIMIT 45 — R2-1 24"X30"

R/W

R/W

SHOULDER DROP - OFF — W8-9A 48"X48"

PCMS

NEW TRAFFIC PATTERN MESSAGE

W01-4L

ROAD WORK AHEAD — W20-1A

1500'

ROAD WORK 1000 FT — W20-1C

ROAD WORK 500 FT — W20-1D

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 105	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 10

PLOT DATE : 11/8/2022 1:18 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

0+00.00

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH, CENTERLINES

Platteville 13

R/W

302 3B

304 3B

306 3B

STH 81

R/W

W1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

USE FROM EXISTING STAGE

SOUTH	SOUTH	NORTH	NORTH	WEST
61	35	61	35	81
MO5-1L 21"X21"	MO5-1L 21"X21"	MO6-1 21"X21"	MO6-1 21"X21"	MO6-1 21"X21"

0+00.00

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 106	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 11
PLOT DATE : 11/8/2022 1:18 PM
PLOT BY : SEH
LAYOUT NAME : 11
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

NOTE
USE TEMPORARY MARKING LINE PAINT BETWEEN STA 308+50 3B - STA 315+50 3B
(UNLESS OTHERWISE NOTED)

REMOVING TEMPORARY MARKINGS FROM PERMANENT PAVEMENT SURFACE MUST BE
DONE BY AIR BLASTING OR WATER BLASTING IN ACCORDANCE WITH STANDARD SPEC 646.

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

MOVE EAST 81

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

TLE

R/W

ONLY ONLY
R3-8xx
36"X30"

STOP
R1-1
36"X36"

416 2A

418 2A

312 3B

308 3B

310 3B

STH 81

314 3B

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE, 3' SKIPS, 9' GAP

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

TEMPORARY MARKING LINE PAINT 8-INCH WHITE

Dubuque
Lancaster

ONLY ONLY
R3-8xx
36"X30"

SOUTH 61 | SOUTH 35 | NORTH 61 | NORTH 35 | WEST 81
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

M3-1 24"X12" | M3-1 24"X12" | M3-4 24"X12"
M1-4 24"X24"
NORTH 61 | NORTH 35 | WEST 81 | EAST 81
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

EAST 81 | SOUTH 61 | SOUTH 35
MO6-1 21"X21" | MO6-1 21"X21" | MO6-1 21"X21"

0+00.00

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
- DIRECTION OF TRAFFIC
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 4	SHEET 107	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025103_TC.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 1:18 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

USH 61 / STH 81

USH 61/STH 35

STH 81

AUPPERLE RD

TRAFFIC CONTROL - STAGE 5

CONSTRUCT FINAL CURB & GUTTER ON EAST SIDE OF SOUTH LEG.

CONSTRUCT REMAINING PORTIONS OF EAST SPLITTER ISLAND.

CONSTRUCT DRIVEWAY ON NORTH LEG.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE PERMANENT LANES, WORK ON EAST LEG TO BE DONE UNDER FLAGGING.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 5	SHEET 108	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025104_TC.DWG PLOT DATE : 11/8/2022 1:21 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

STAGE 5A:
CONSTRUCT FINAL CURB & GUTTER AND SHOULDER ON EAST SIDE OF SOUTH LEG.

N

AUPPERLE RD

USH 61/STH 35

1274NBA

1276NBA

1278NBA

1278+45.86

1272+25.00

R/W

TLE

50'

SLAB

WELL

CONSTRUCT AGG DRIVEWAY, EAST SIDE C&G AND CONCRETE SURFACE DRAIN, & EAST SIDE AGGREGATE SHOULDER UNDER SHOULDER CLOSURE.

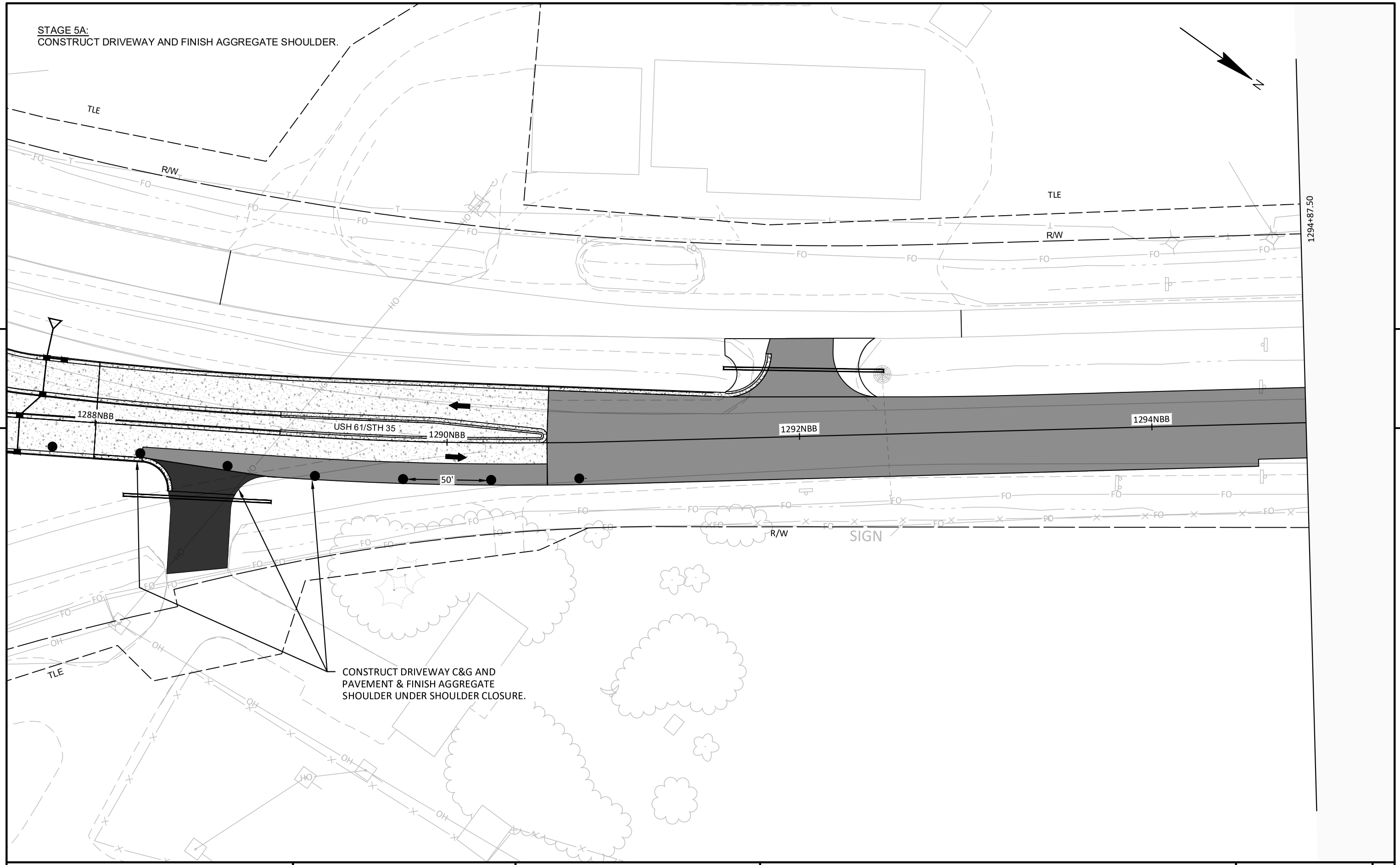
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 5	SHEET 109	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025104_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/8/2022 1:22 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

STAGE 5A:
CONSTRUCT DRIVEWAY AND FINISH AGGREGATE SHOULDER.



5

5

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 5	SHEET 110	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025104_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 1:22 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

STAGE 5B: CONSTRUCT NB OUTSIDE C&G ON SOUTH LEG.

- PHASE 1- NB USH 61 TRAFFIC FOLLOWS FLAGGING ROUTES FROM SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT
- PHASE 2- ALL WB & SB TRAFFIC FLOWS AS NORMAL

N

USH 61/STH 81

STH 81

WORK ZONE

ROAD CLOSED
R11-2
48"X30"

USH 61

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 5	SHEET 111	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\025104_TC.DWG PLOT DATE : 11/8/2022 1:22 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

STAGE 5C: CONSTRUCT THE SOUTH SIDE C&G OF EAST SPLITTER ISLAND. CONSTRUCT THE SOUTH SIDE C&G AND OVERTRACK AREA ON EAST LEG.

- PHASE 1- NB TRAFFIC FOLLOWS FLAGGING ROUTES FROM SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT
- PHASE 2- SB TRAFFIC FOLLOWS FLAGGING ROUTES FROM SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT
- PHASE 3- WB TRAFFIC FLOWS AS NORMAL

N

USH 61/STH 81

STH 81

ROAD CLOSED
R11-2
48"X30"

WORK ZONE

ROAD CLOSED
R11-2
48"X30"

USH 61

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 5	SHEET 112	E

2

N

USH 61/STH 81

STAGE 5D: CONSTRUCT NORTH SIDE DRIVEWAY AND C&G ON EAST LEG. CONSTRUCT THE NORTH SIDE C&G OF EAST LEG SPLITTER ISLAND & ISLAND PAVEMENT. CONSTRUCT FINAL C&G ON INTERIOR OF CENTER ISLAND.

- PHASE 1- WB STH 81 TRAFFIC FOLLOWS FLAGGING ROUTES FROM SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT
- PHASE 2- ALL NB & SB TRAFFIC FLOWS AS NORMAL

ROAD CLOSED
R11-2
48"X30"

WORK ZONE

STH 81

ROAD CLOSED
R11-2
48"X30"

USH 61

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL - STAGE 5	SHEET 113	E

2

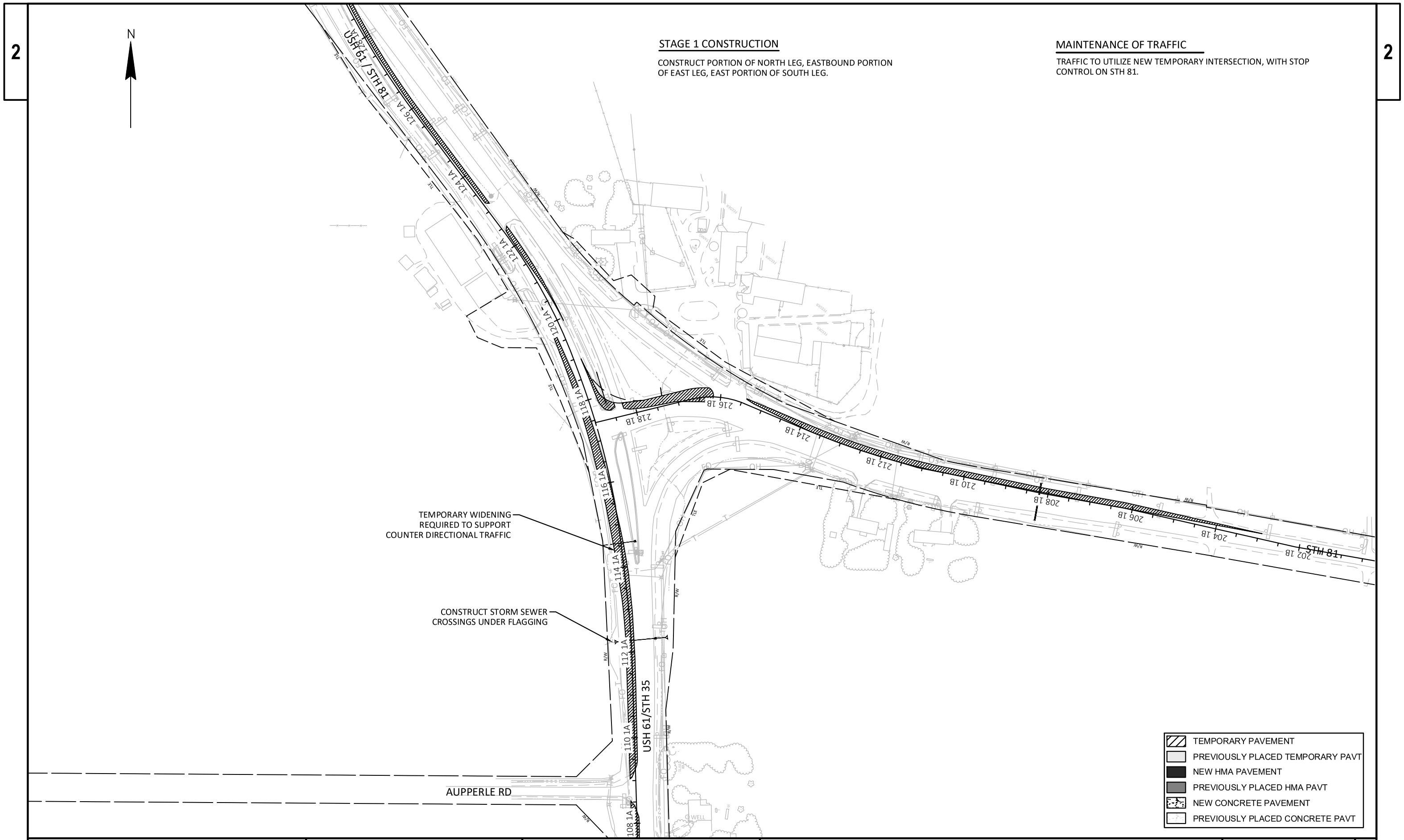
N

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE NEW TEMPORARY INTERSECTION, WITH STOP CONTROL ON STH 81.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	PAGE 00 OF ##	SHEET 114	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026001_S1.DWG PLOT DATE : 11/8/2022 1:15 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT

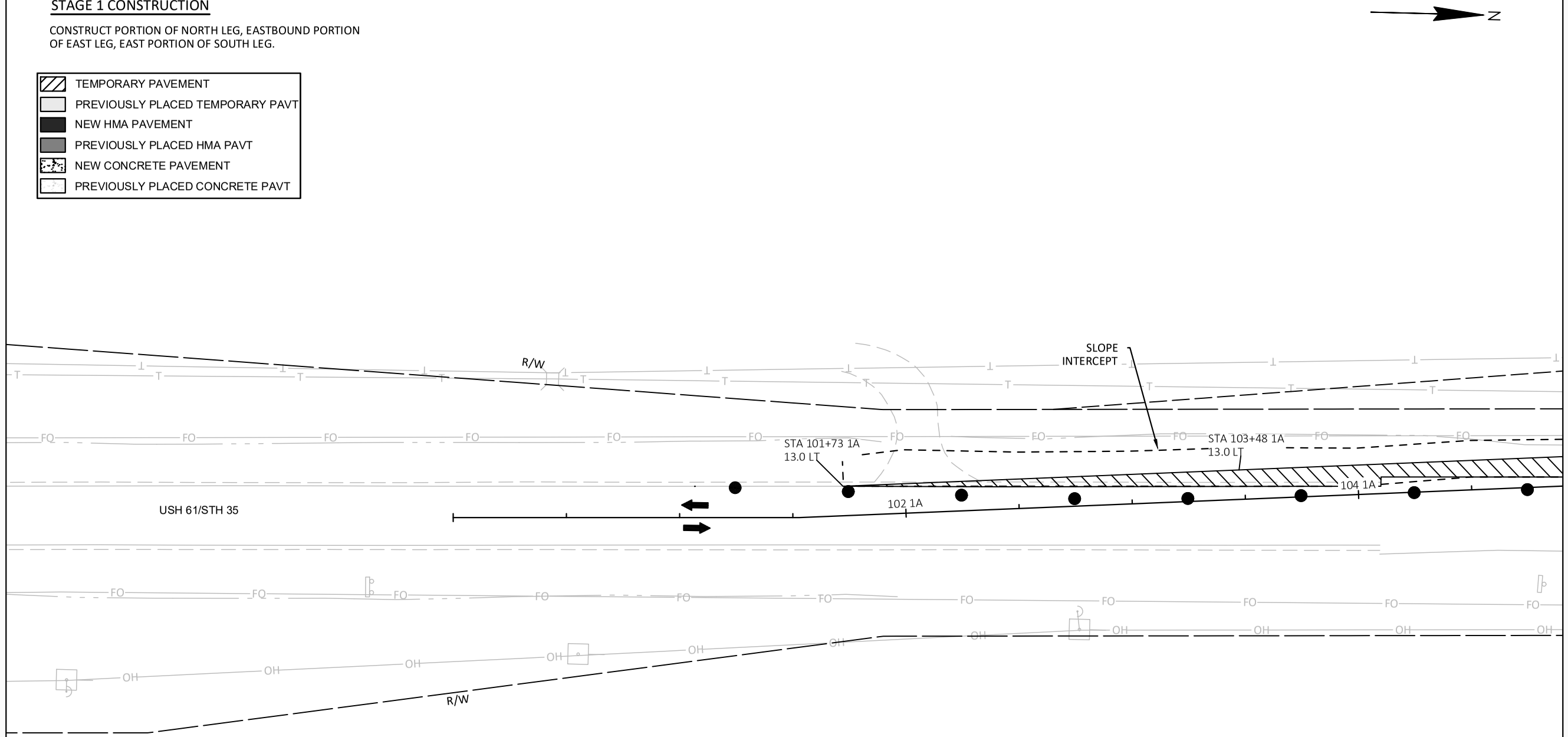
WISDOT/CADDS SHEET 42

2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 115	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026001_S1.DWG
LAYOUT NAME - 02

PLOT DATE : 11/8/2022 1:15 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

R/W

CONSTRUCT FINAL ROADWAY CULVERT, CULVERT PIPE CORRUGATED STEEL 18-INCH

SLOPE INTERCEPT

TLE

STA 106+94 1A
13.0 LT

STA 105+23 1A
13.0 LT

106 1A

108 1A

110 1A

USH 61/STH 35

R/W

SLAB

WELL

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 116	E

2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

CONSTRUCT STORM SEWER UNDER FLAGGING.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

CONSTRUCT TEMPORARY PIPE EXTENSION & OUTFALL. SEE STORM SEWER DETAILS FOR MORE INFO.

SLOPE INTERCEPT

STA 116+50 1A
25.0 LT

CONSTRUCT INLET 5.3 WITH TEMPORARY COVER PLATE.

R/W

STA 115+49 1A
21.3 LT

STA 111+83 1A
13.0 LT

STA 113+39 1A
13.0 LT

116 1A

114 1A

112 1A

USH 61/STH 35

R/W

CONSTRUCT INLET 1.4 WITH TEMPORARY COVER PLATE.

TLE

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 117	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026001_S1.DWG
LAYOUT NAME - 04

PLOT DATE : 11/8/2022 1:16 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

EXTEND EXISTING RCCP 30-INCH.
CULVERT PIPE TEMPORARY 30-INCH

SLOPE
INTERCEPT

RECONSTRUCTING INLET REQ'D.
CULVERT PIPE TEMPORARY 12-INCH &
TEMPORARY COVER PLATE REQ'D.
EXCAVATE DITCH AS REQUIRED FOR
DRAINAGE.

STA 218+97 1B
153.0 RT

STH 81

USH 61/STH 35

USH 61/STH 35

SLOPE
INTERCEPT

216 1B
218 1B
120 1A
118 1A
116 1A
114 1A
TLE
TLE
TLE

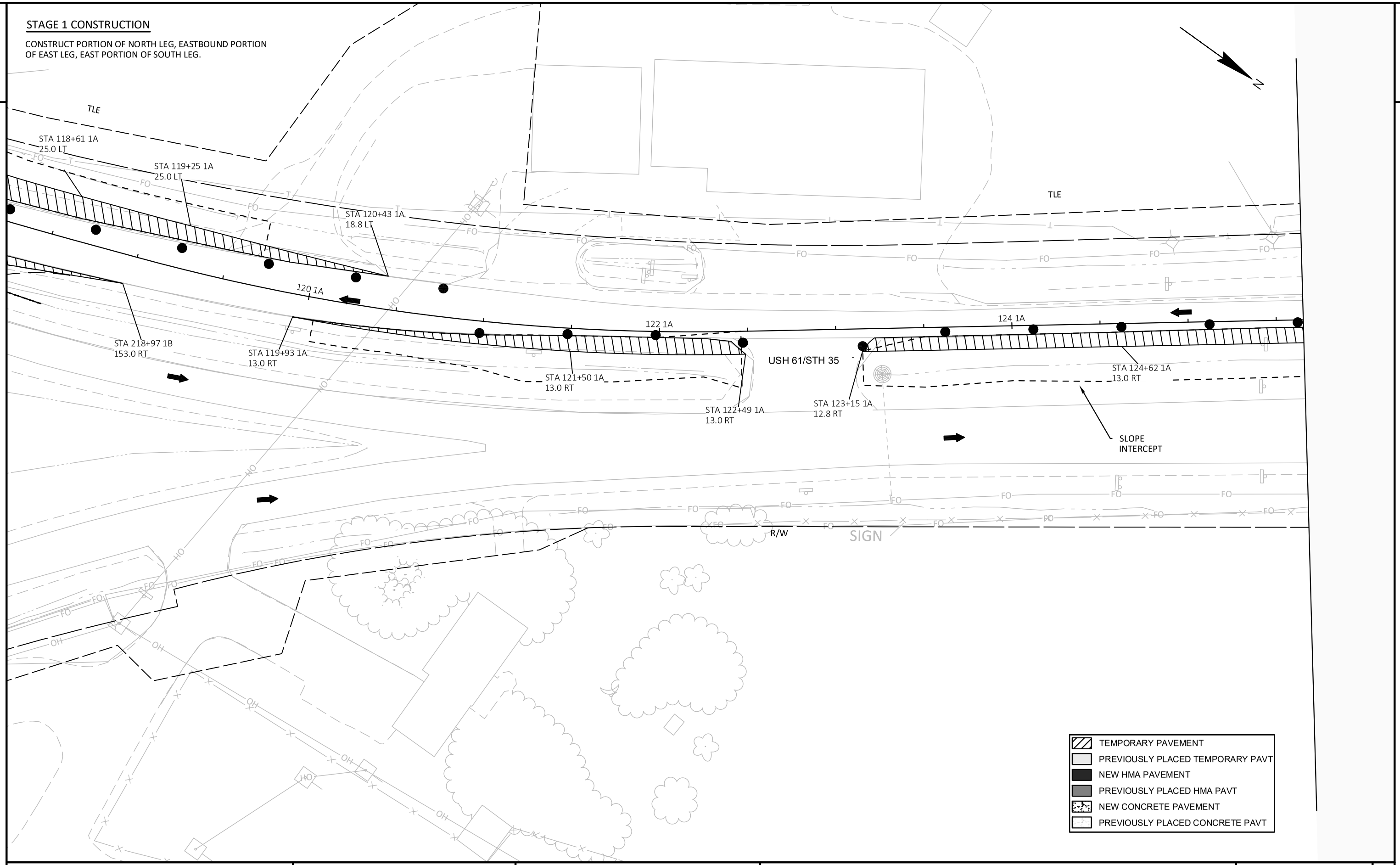
2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 118	E

2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.



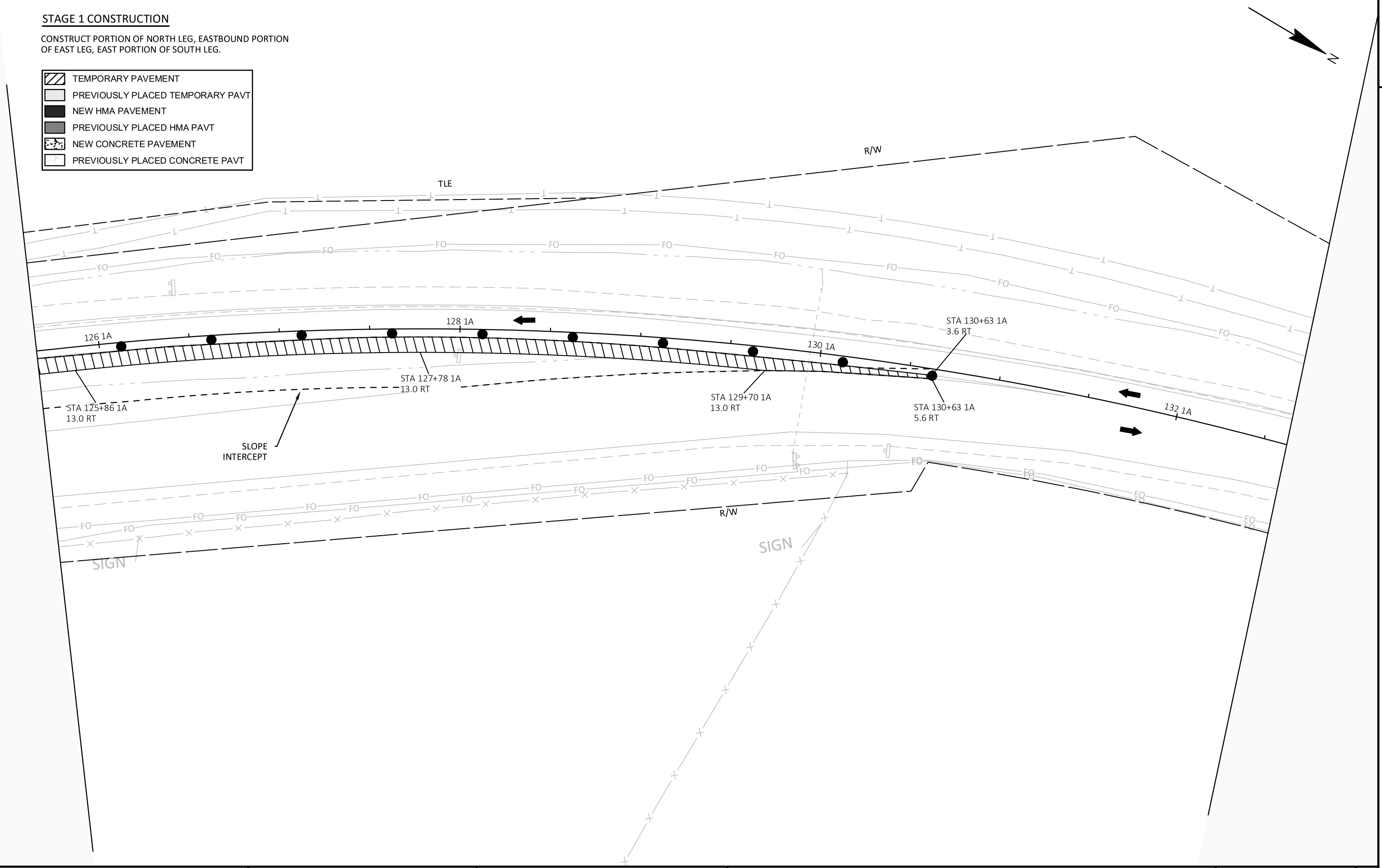
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 119	E

2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 120	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026001_S1.DWG
LAYOUT NAME - 07

PLOT DATE : 11/8/2022 1:17 PM | PLOT BY : SEH | LAYOUT NAME : 07 | PLOT SCALE : 1 IN:50 FT

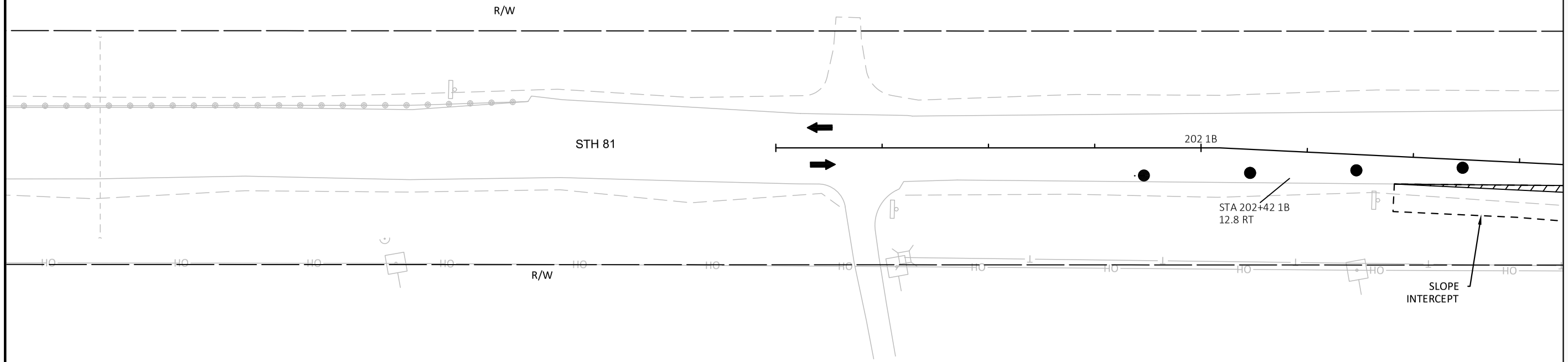
2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 121	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026001_S1.DWG
LAYOUT NAME - 10

PLOT DATE : 11/8/2022 1:18 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

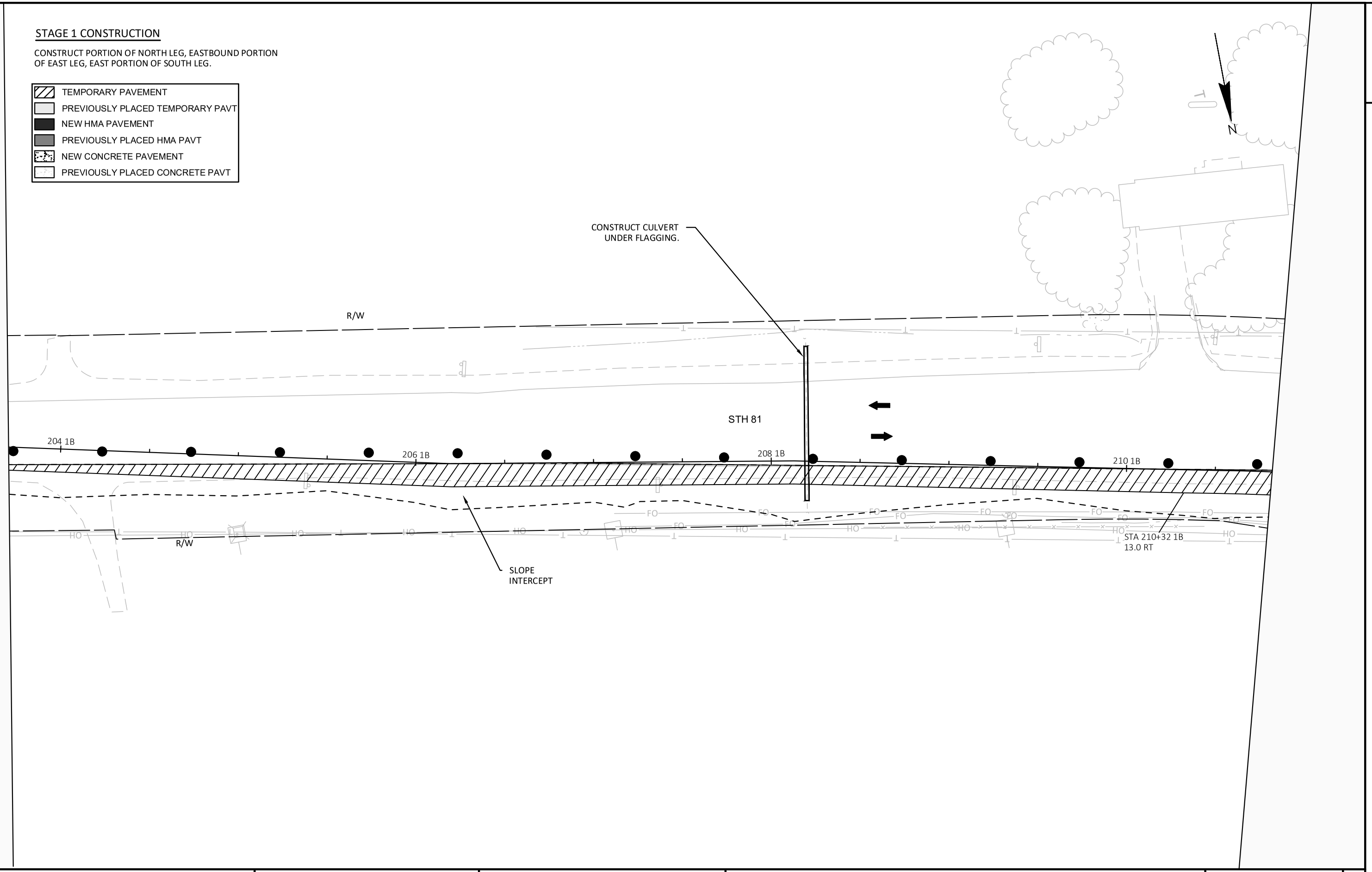
2

2

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 122	E

STAGE 1 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, EAST PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

TLE

STH 81

USH 61/STH 35

VT 911

212 1B

214 1B

216 1B

218 1B

STA 211+20 1B
13.0 RT

R/W

STA 212+03 1B
13.0 RT

STA 213+00 1B
13.0 RT

SLOPE
INTERCEPT

STA 214+50 1B
13.0 RT

STA 215+42 1B
13.0 RT

STA 216+26 1B
21.0 RT

STA 216+77 1B
24.0 RT

STA 217+79 1B
24.2 RT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 1	SHEET 123	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026001_S1.DWG
LAYOUT NAME - 12

PLOT DATE : 11/8/2022 1:18 PM | PLOT BY : SEH | LAYOUT NAME : 12 | PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

USH 61 / STH 35

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE NEW TEMPORARY INTERSECTION, WITH STOP CONTROL ON STH 81 LEG.

STH 81

USH 61/STH 35

AUPPERLE RD

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 124	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG PLOT DATE : 11/8/2022 1:22 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT

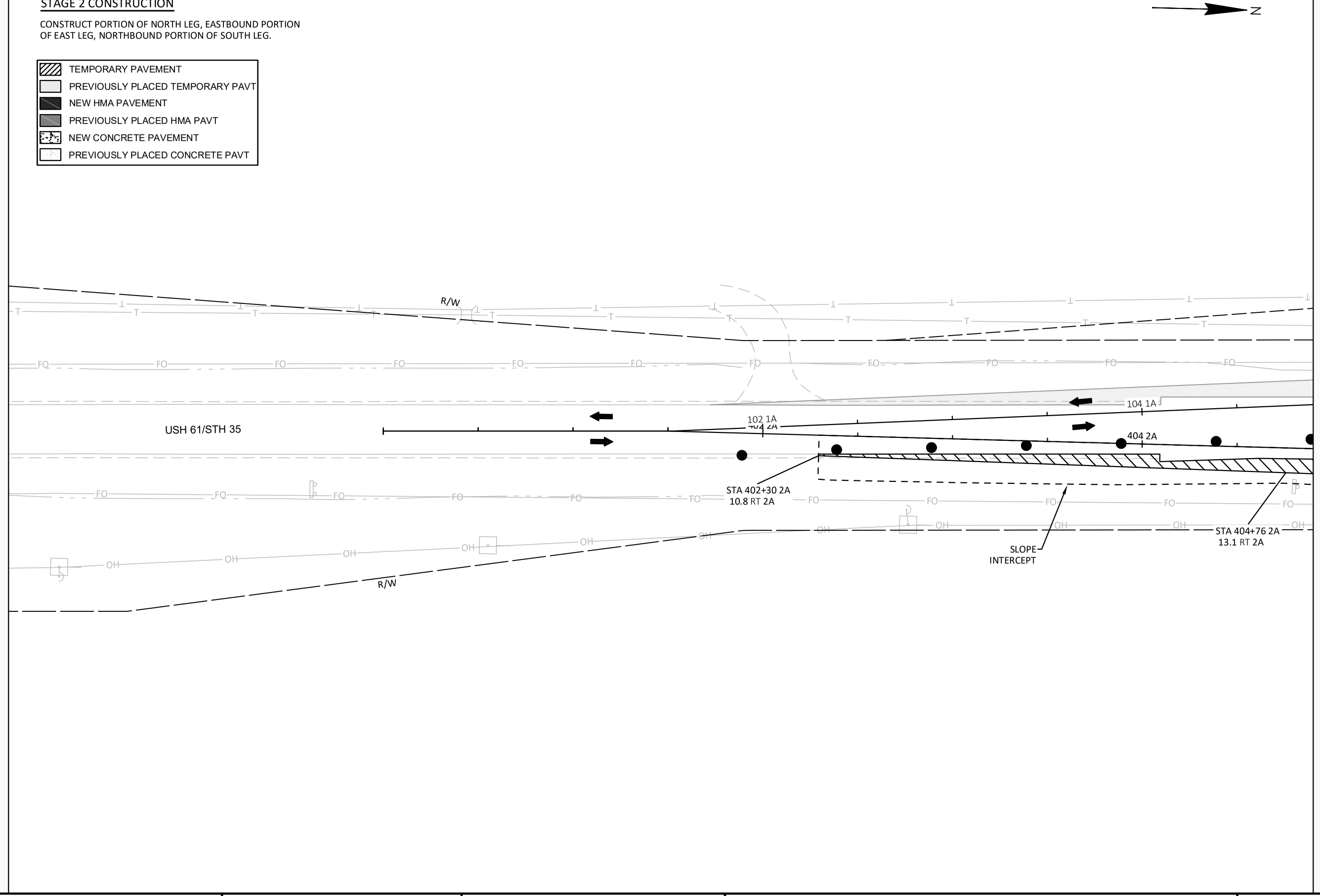
WISDOT/CADDS SHEET 42

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 125	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 1:22 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

R/W

AUPPERLE RD

TLE

SAWCUT (TYP)

106 1A

108 1A

110 1A

USH 61/STH 35

406 2A

408 2A

410 2A

R/W

STA 410+63 2A
13.0 RT 2A

SLOPE INTERCEPT

SLAB

WELL

T

W

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 126	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG
LAYOUT NAME - 03

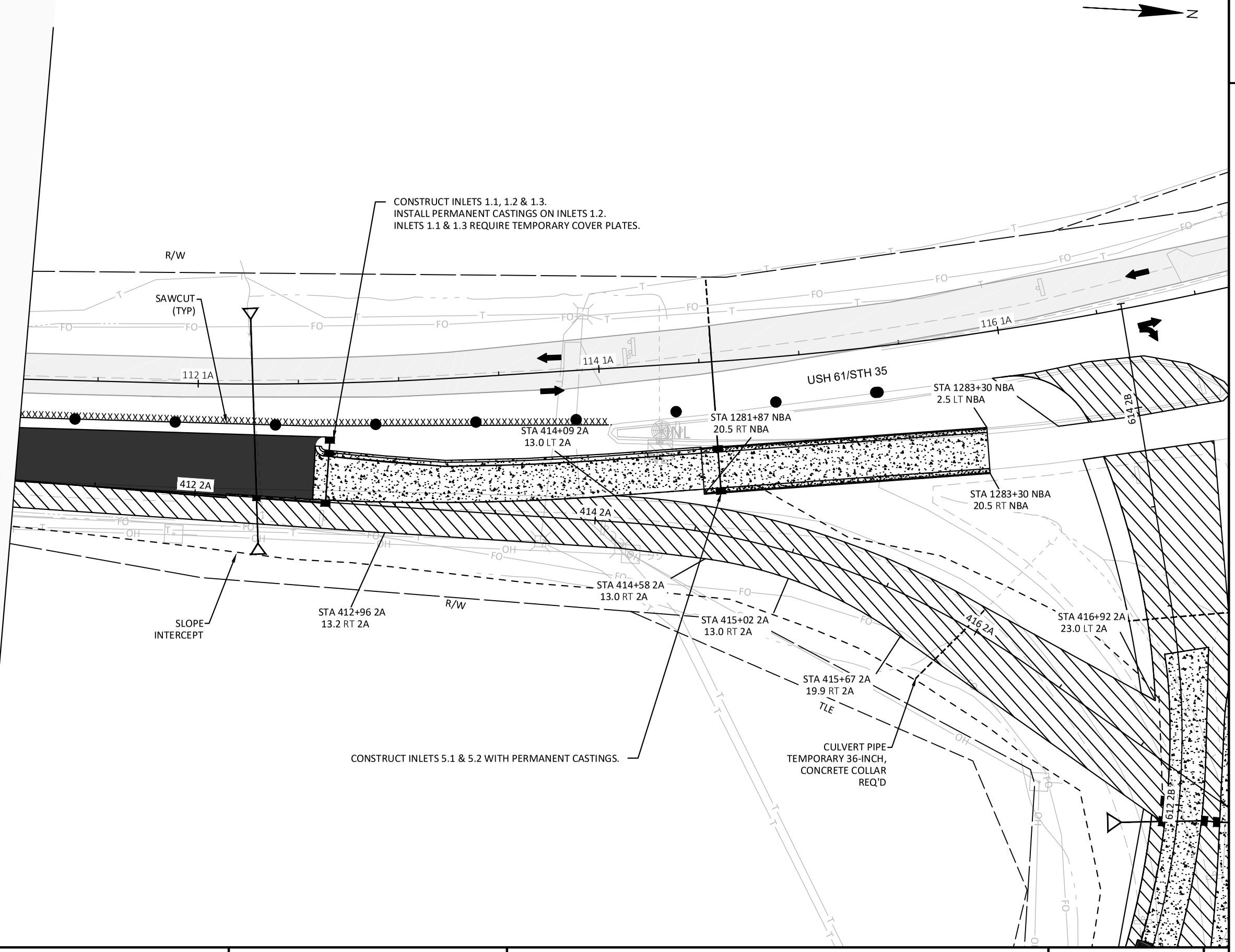
PLOT DATE : 11/8/2022 1:22 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1 IN:50 FT

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 127	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG
LAYOUT NAME - 04
PLOT DATE : 11/8/2022 1:23 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

CONSTRUCT INLETS 2.2, 2.2A, 2.3, 2.4, 2.5 & 2.5A, ALL WITH INLET COVERS FLAT TEMPORARY. STUB OUT PIPE BETWEEN INLETS 2.2 & 2.1, SEAL PIPE. CONTINUE STORM SEWER CONSTRUCTION DURING STAGE 3.

CULVERT PIPE TEMPORARY 30-INCH REQ'D, CONCRETE COLLAR REQ'D

CULVERT PIPE TEMPORARY 36-INCH, CONCRETE COLLAR REQ'D

SLOPE INTERCEPT

STA 613+78 2B
34.4 RT 2B

STH 81

USH 61/STH 35

N

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 128	E

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

TLE

REMOVE EXISTING INLET AND STORM SEWER. CONSTRUCT FINAL CULVERT PIPE CLASS III-A 18-INCH

TLE

USH 61/STH 35

120 1A

122 1A

124 1A

STA 1288+01 NBB
34.7 LT NBB

STA 1294+60 NBB
24.0 RT NBB

R/W

SIGN

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 129	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG
LAYOUT NAME - 06

PLOT DATE : 11/8/2022 1:24 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1 IN:50 FT

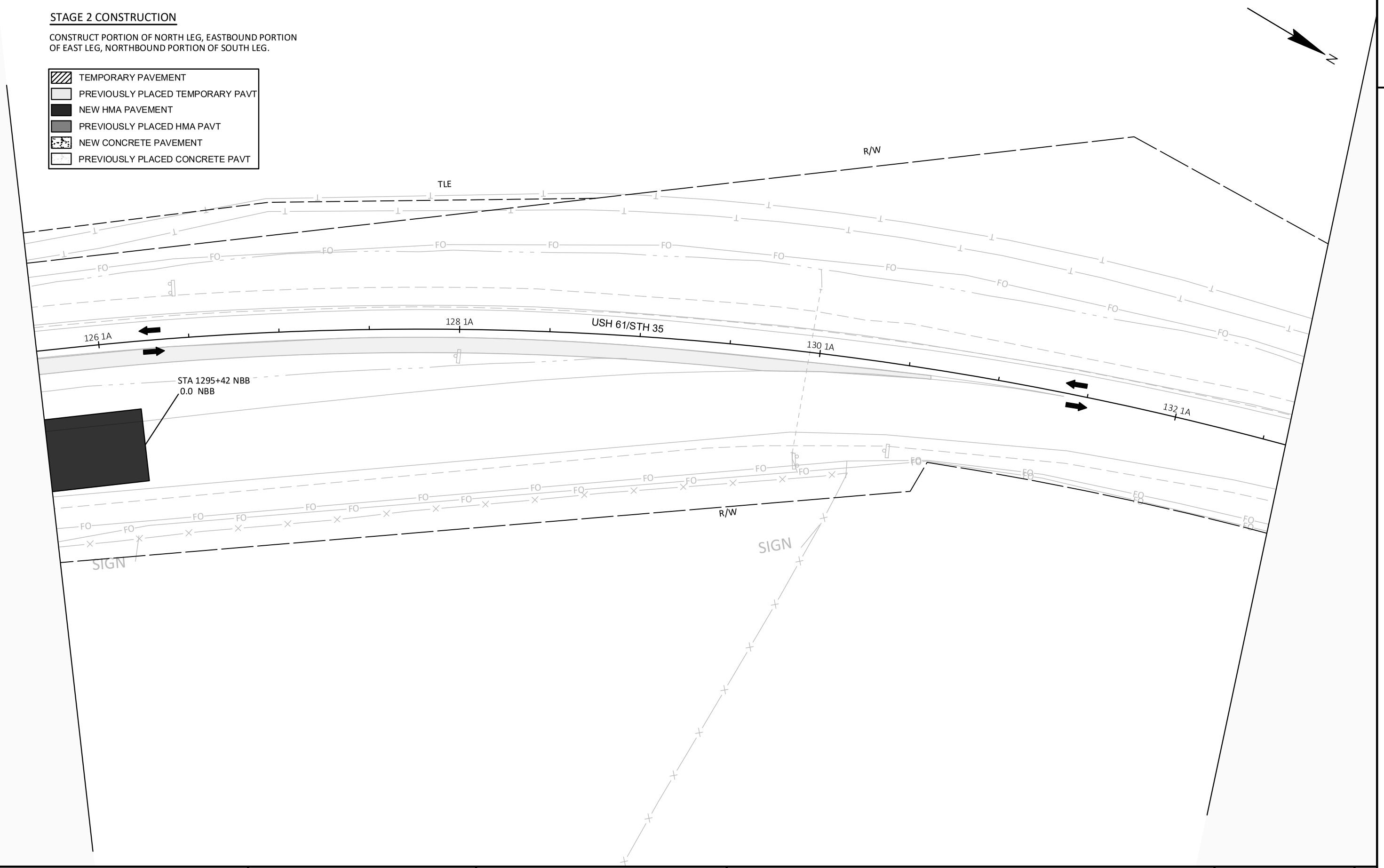
WISDOT/CADDS SHEET 42

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

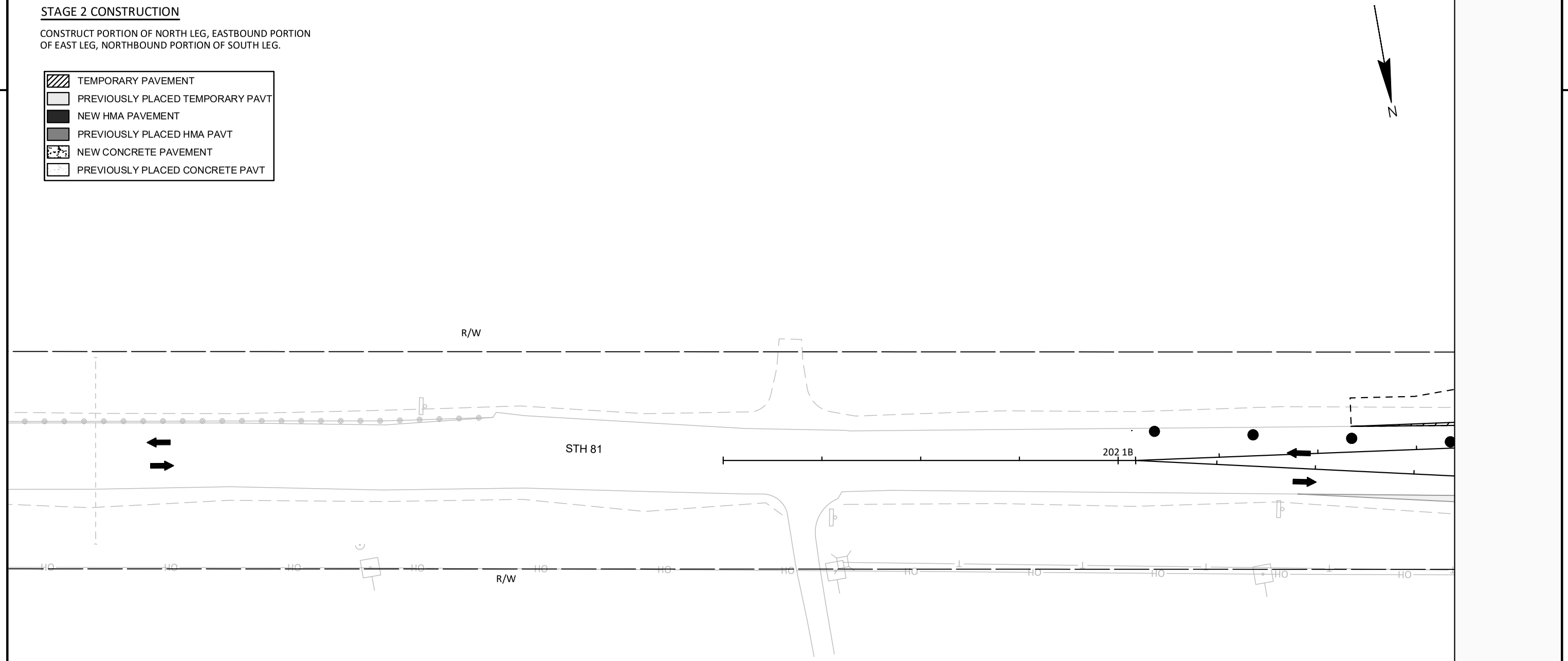
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 130	E

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



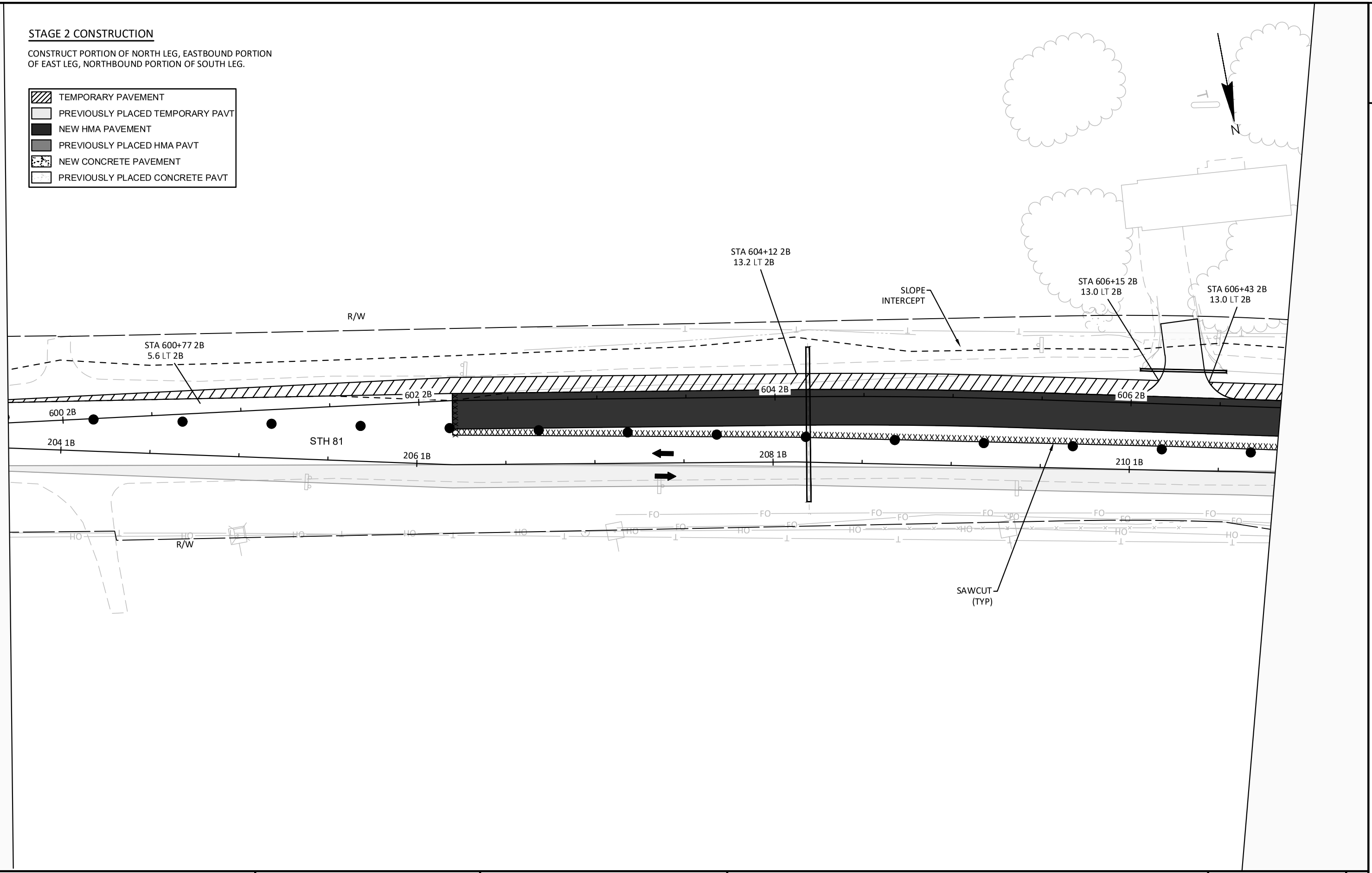
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 131	E

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 132	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG
LAYOUT NAME - 11

PLOT DATE : 11/8/2022 1:25 PM PLOT BY : SEH LAYOUT NAME : 11 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 2 CONSTRUCTION

CONSTRUCT PORTION OF NORTH LEG, EASTBOUND PORTION OF EAST LEG, NORTHBOUND PORTION OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

CONSTRUCT INLETS 2.2, 2.2A, 2.3, 2.4, 2.5 & 2.5A, ALL WITH INLET COVERS FLAT TEMPORARY.
STUB OUT PIPE BETWEEN INLETS 2.2 & 2.1, SEAL PIPE.
CONTINUE STORM SEWER CONSTRUCTION DURING STAGE 3.

STA 608+20 2B
13.0 LT 2B

STA 608+43 2B
13.0 LT 2B

SLOPE INTERCEPT

TLE

STA 417+19 2A
25.0 RT 2A

STA 416+92 2A
23.0 LT 2A

608 2B

610 2B

612 2B

614 2B

STA 611+19 2B
11.9 RT 2B

STA 1284+58 WBA
18.0 RT WBA

212 1B

214 1B

216 1B

218 1B

STH 81

R/W

SAWCUT
(TYP)

TLE

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 2	SHEET 133	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S2.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 1:25 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

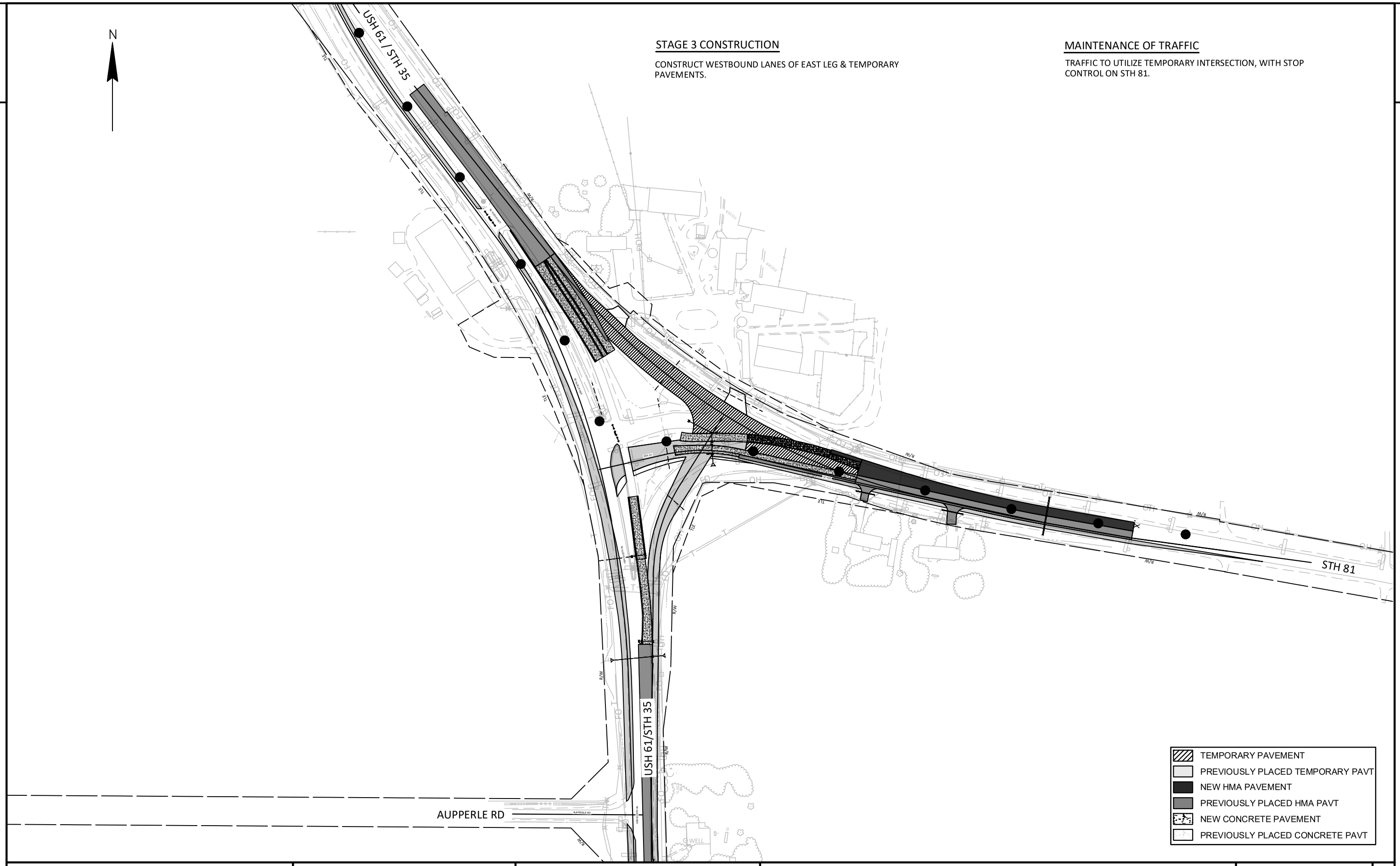
N

STAGE 3 CONSTRUCTION

CONSTRUCT WESTBOUND LANES OF EAST LEG & TEMPORARY PAVEMENTS.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE TEMPORARY INTERSECTION, WITH STOP CONTROL ON STH 81.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 134	E

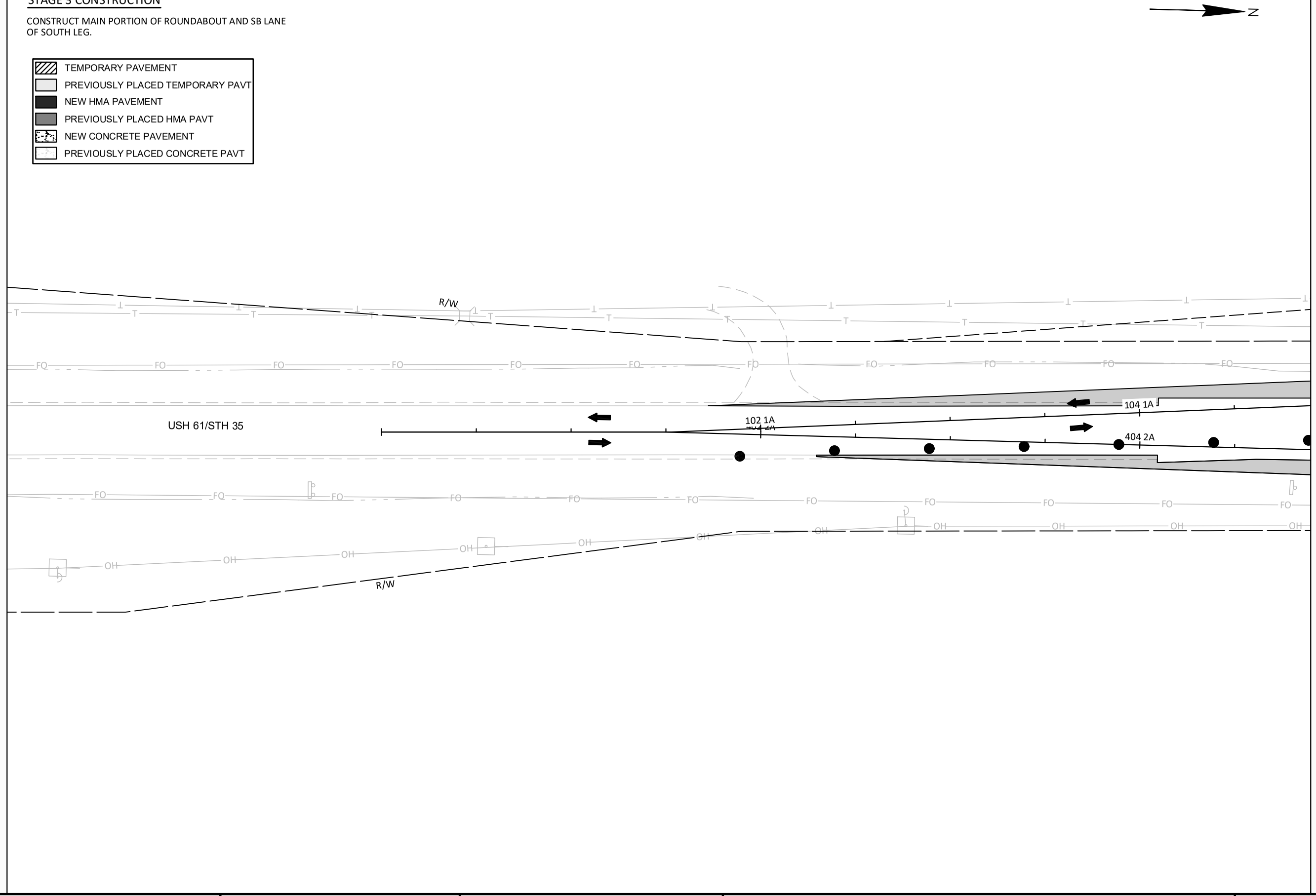
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG PLOT DATE : 11/8/2022 1:26 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 135	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 1:27 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

287 AP

AUPPERLE RD

288 AP

R/W

TLE

106 1A

108 1A

110 1A

USH 61/STH 35

406 2A

408 2A

410 2A

R/W

SLAB

WELL

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 136	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 03

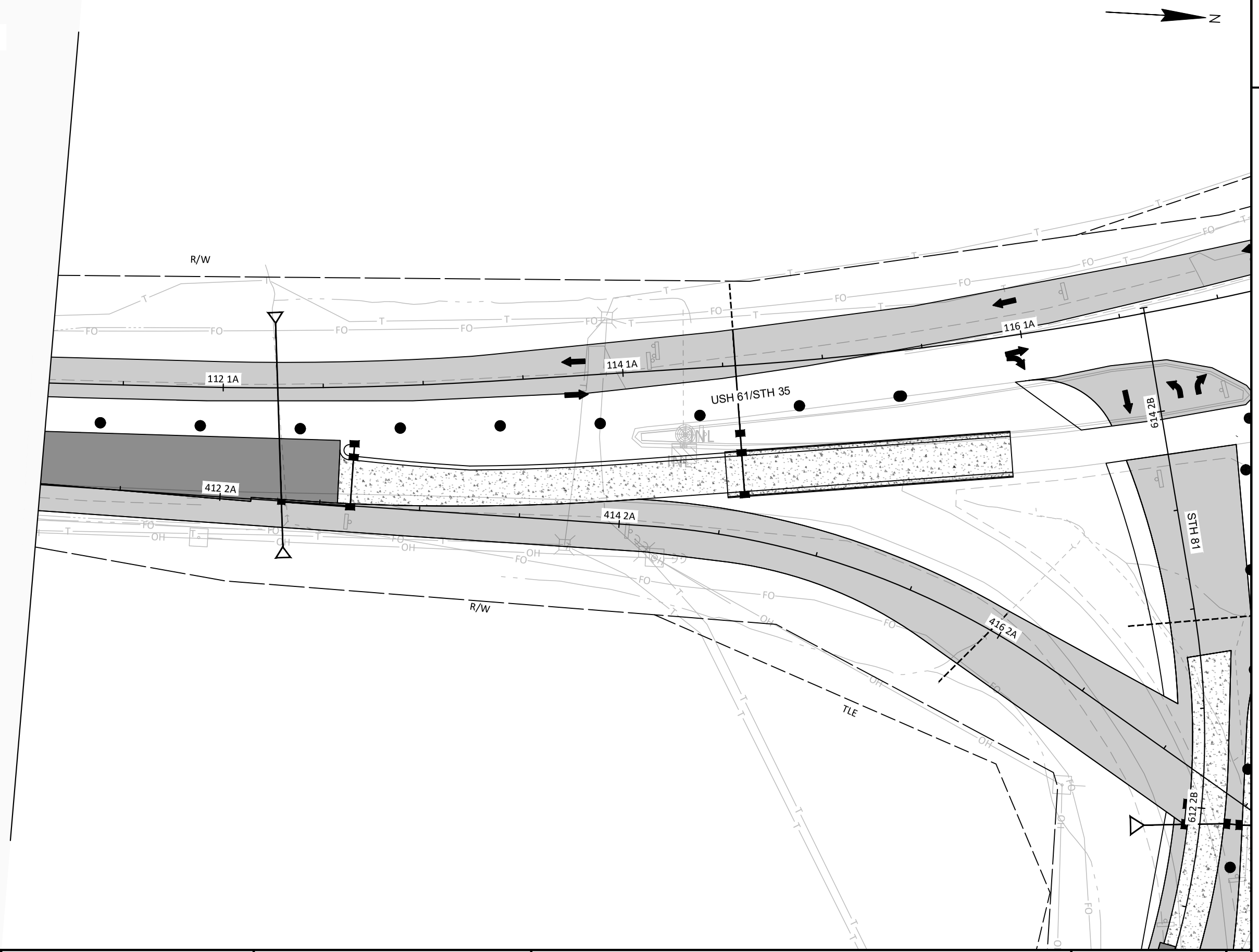
PLOT DATE : 11/8/2022 1:27 PM | PLOT BY : SEH | LAYOUT NAME : 03 | PLOT SCALE : 1 IN:50 FT

2

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 137	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 04

PLOT DATE : 11/8/2022 1:27 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

CONSTRUCT TEMPORARY CULVERTS

STA 312+92 3B
25.0 RT

STA 312+95 3B
25.0 LT

STA 417+46 2A
38.1 LT

STA 314+54 3B
19.0 RT

STA 314+99 3B
25.0 LT

STA 315+14 3B
23.4 LT

STA 316+17 3B
13.0 RT

SLOPE INTERCEPT

CONSTRUCT INLET 2.1 AND COMPLETE CONNECTION TO INLET 2.2

STH 81

USH 61/STH 35

312 3B
418 2A
612 2B
416 2A
414 2A
614 2B
114 1A
116 1A
118 1A
120 1A
316 3B

N

2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 138	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 05

PLOT DATE : 11/8/2022 1:28 PM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

TLE

USH 61/STH 35

120 1A

122 1A

124 1A

USH 61/STH 35

STA 315+14 3B
23.4 LT

STA 314+99 3B
25.0 LT

316 3B

318 3B

320 3B

STA 318+93 3B
16.4 RT

STA 316+17 3B
13.0 RT

R/W

SIGN

SLOPE
INTERCEPT

STA 314+54 3B
19.0 RT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 139	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 06

PLOT DATE : 11/8/2022 1:28 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1 IN:50 FT

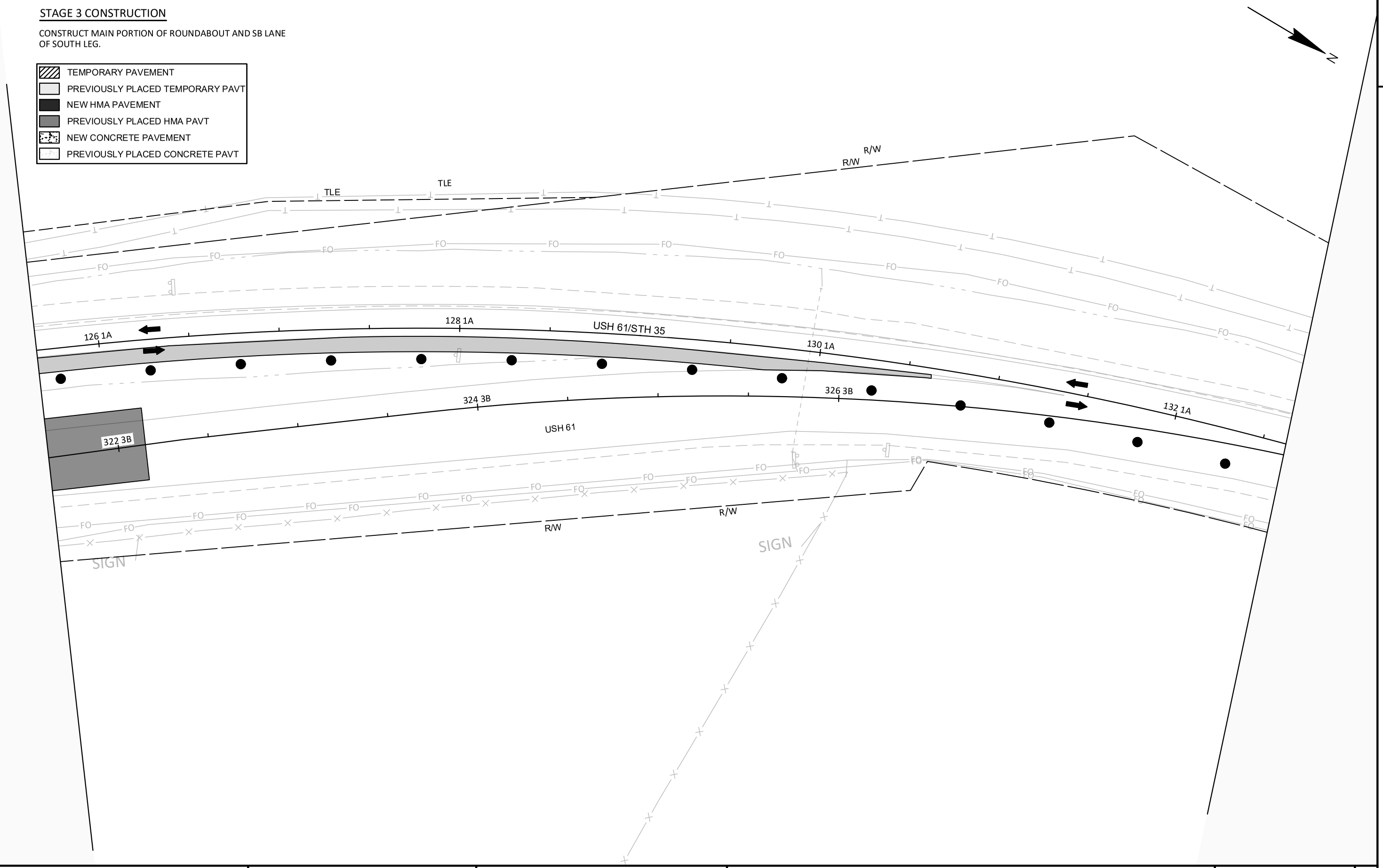
WISDOT/CADDS SHEET 42

2

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 140	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 07

PLOT DATE : 11/8/2022 1:29 PM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1 IN:50 FT

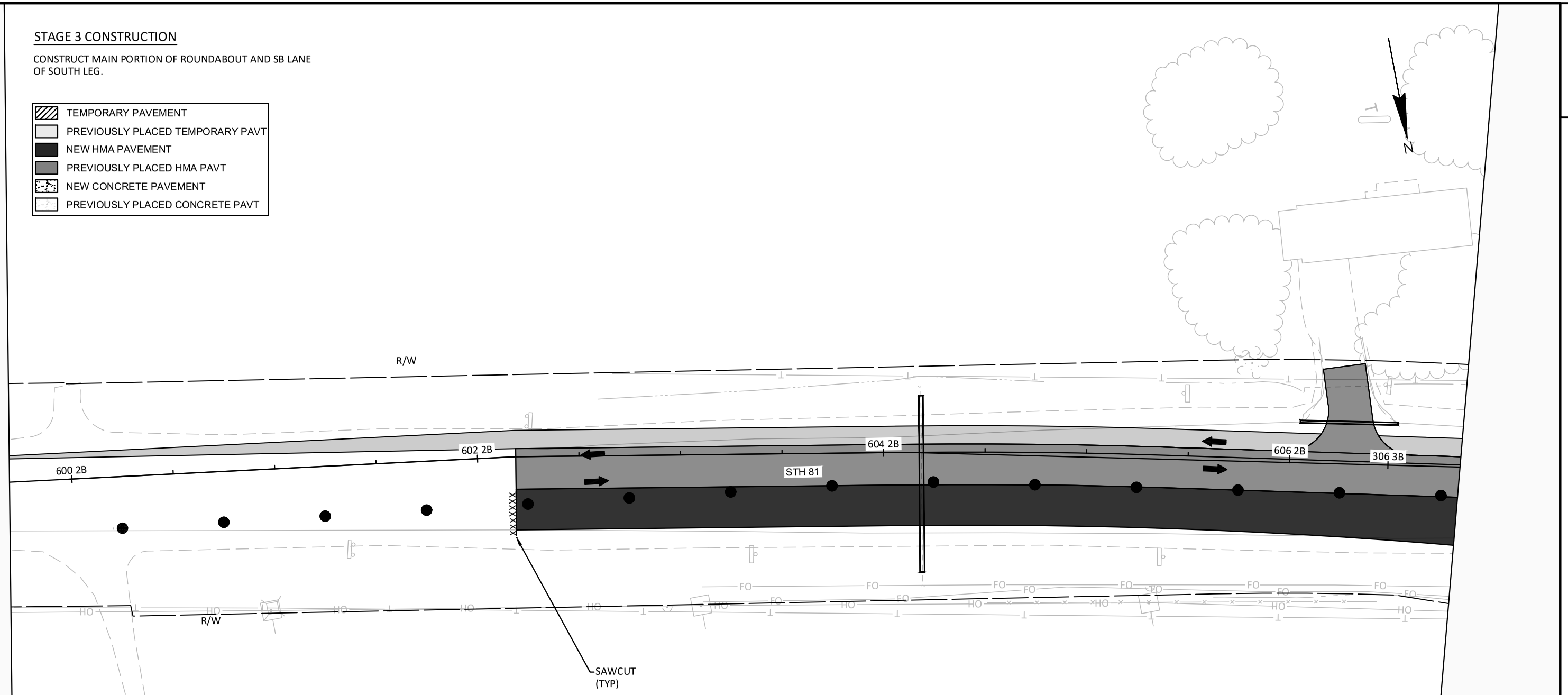
WISDOT/CADDS SHEET 42

2

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 141	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 11

PLOT DATE : 11/8/2022 1:29 PM | PLOT BY : SEH | LAYOUT NAME : 11 | PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 3 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

TLE

STH 81

608 2B
308 3B

610 2B

310 3B

612 2B

STA 417+92 2A
34.7 RT

STA 417+46 2A
38.1 LT

CONSTRUCT INLET 2.1 AND COMPLETE CONNECTION TO INLET 2.2

418 2A

312 3B

416 2A

VT 911

614 2B

STH 81

STA 310+23 3B
24.5 RT

R/W

STA 311+48 3B
25.0 RT

SLOPE INTERCEPT

STA 312+09 3B
25.0 RT

314 3B

CONSTRUCT TEMPORARY CULVERTS

TLE

STA 314
19.0 RT

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 3	SHEET 142	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S3.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 1:30 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

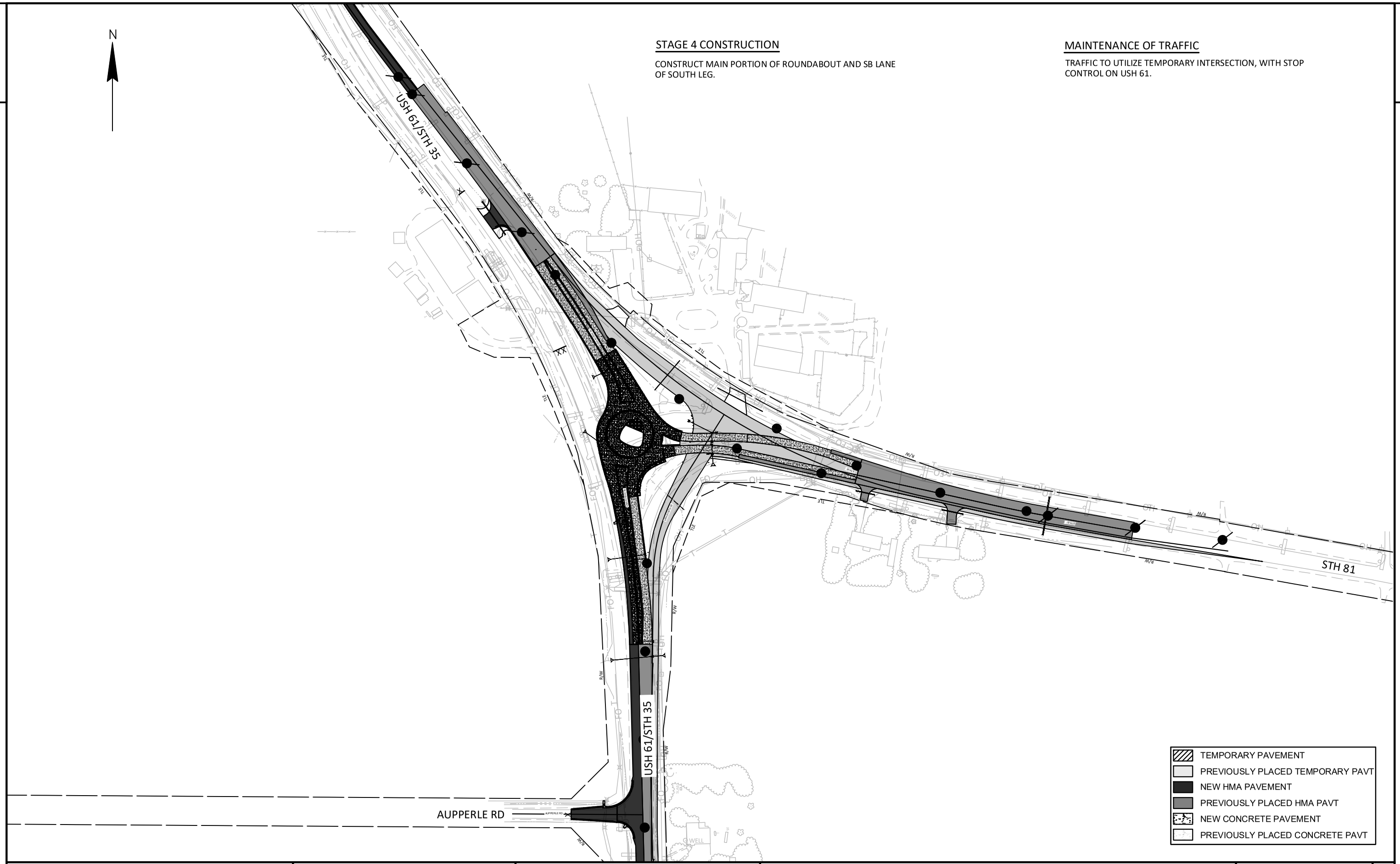
N

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE TEMPORARY INTERSECTION, WITH STOP CONTROL ON USH 61.



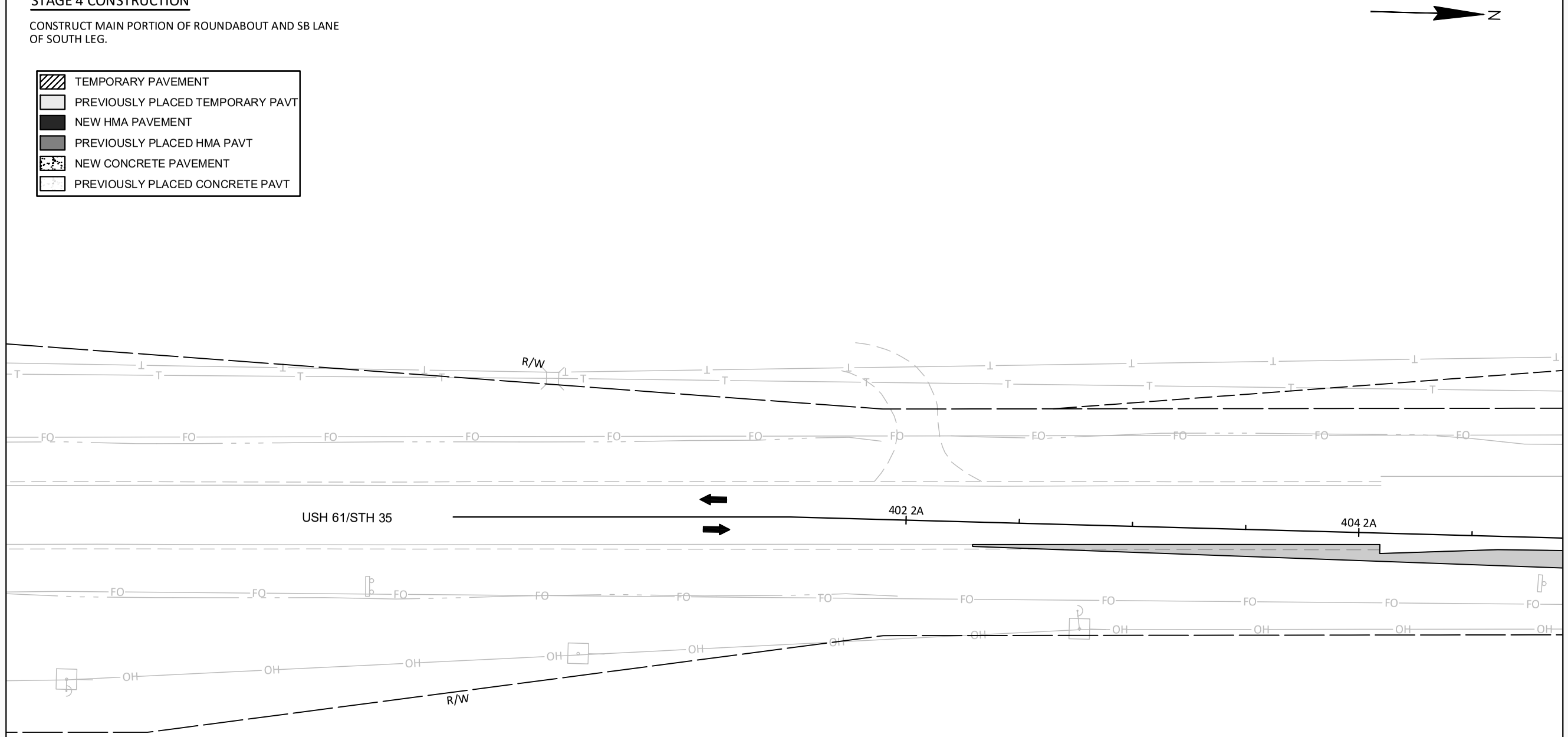
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 143	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG PLOT DATE : 11/8/2022 1:29 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 144	E

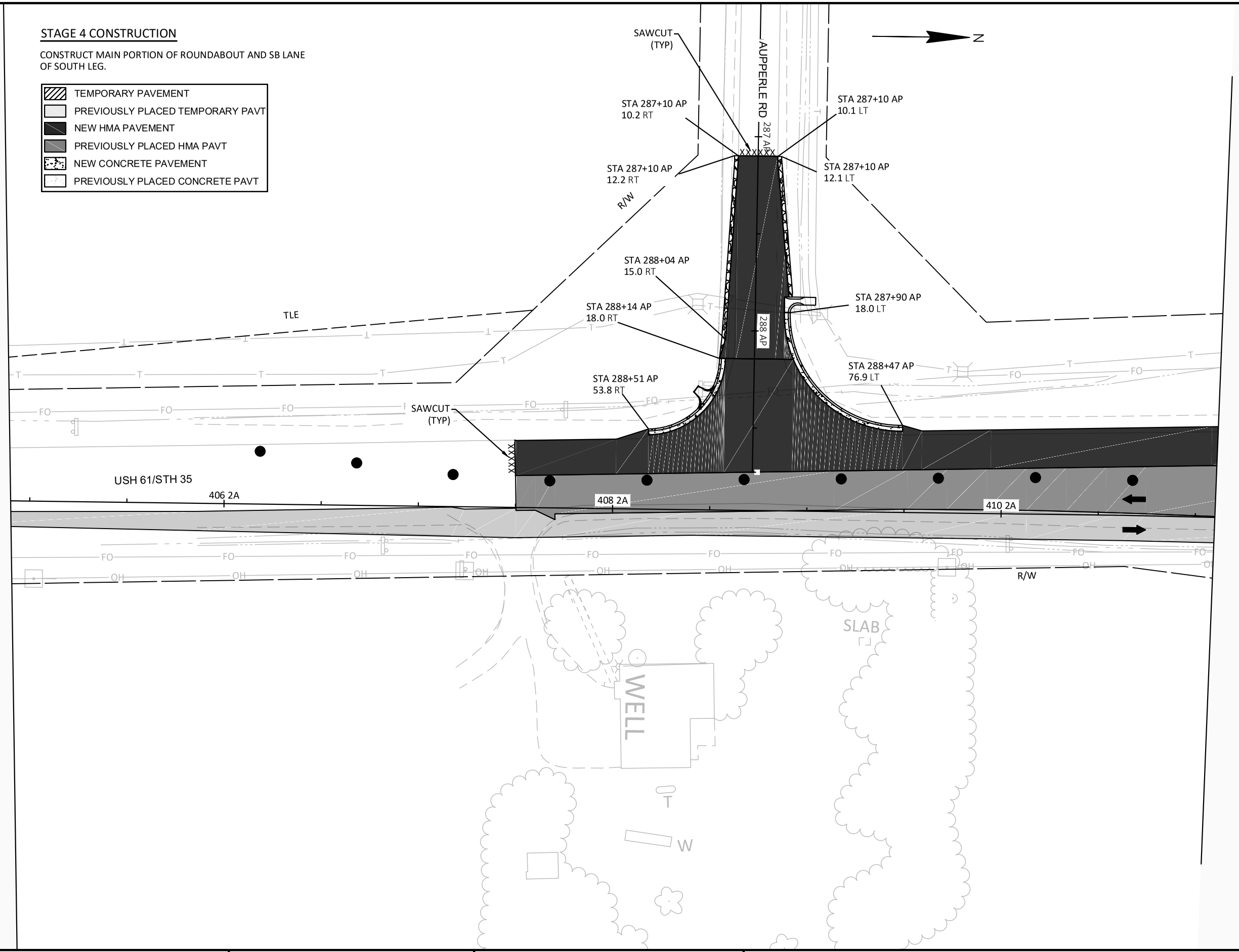
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 02
PLOT DATE : 11/8/2022 1:29 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 145	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 03

PLOT DATE : 11/8/2022 1:30 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1 IN:50 FT

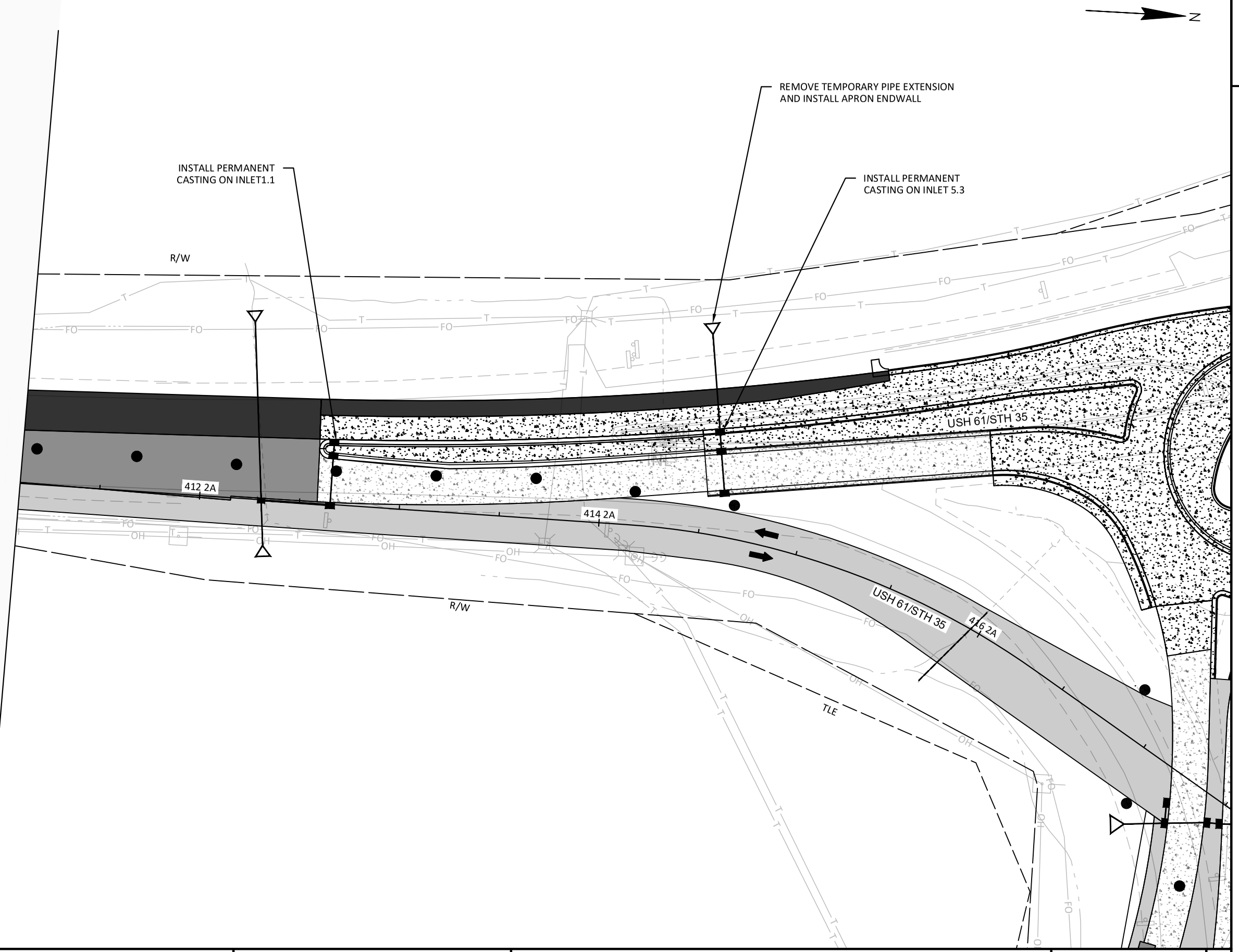
WISDOT/CADDS SHEET 42

2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 146	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 04
PLOT DATE : 11/8/2022 1:30 PM
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

FILL IN WITH BASE AGGREGATE DENSE 3/4-INCH, FOR TEMPORARY TRUCK OVER TRACKING AREA IN STAGE 5.

N

312 38

418 2A

USH 61/STH 35

416 2A

414 2A

STA 13+38 CID
24.2 RT

STA 12+38 CID
32.2 RT

314 38

316 38

SAWCUT REQ'D

CONSTRUCT INLETS 4.1, 4.1A, 4.2 & 4.2A

CONSTRUCT INLETS 3.1, 3.1A, 3.2, 3.3, 3.4 & 3.4A

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 147	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 05

PLOT DATE : 11/8/2022 1:31 PM | PLOT BY : SEH | LAYOUT NAME : 05 | PLOT SCALE : 1 IN:50 FT

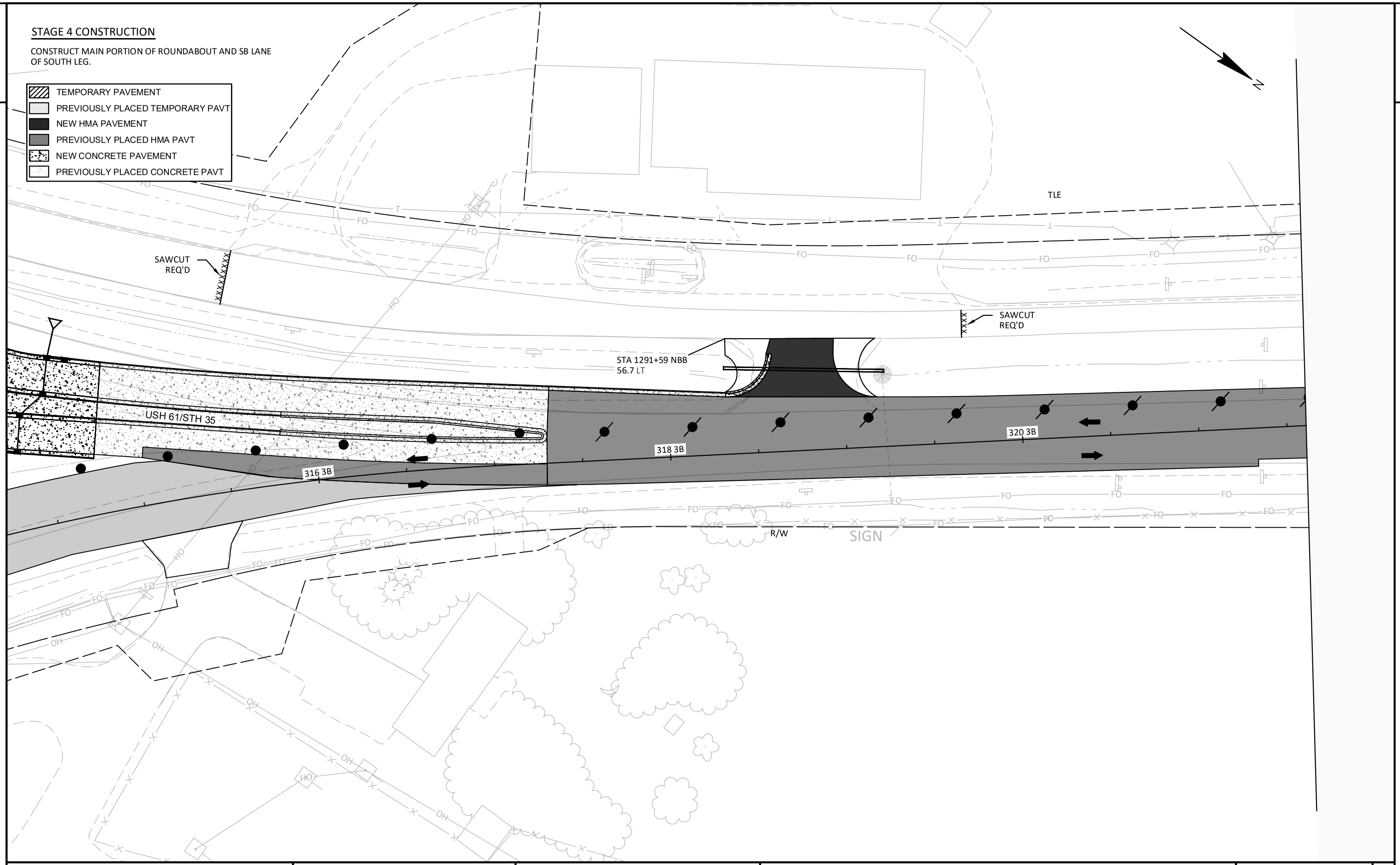
WISDOT/CADDS SHEET 42

2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 148	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 06

PLOT DATE : 11/8/2022 1:31 PM PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1 IN:50 FT

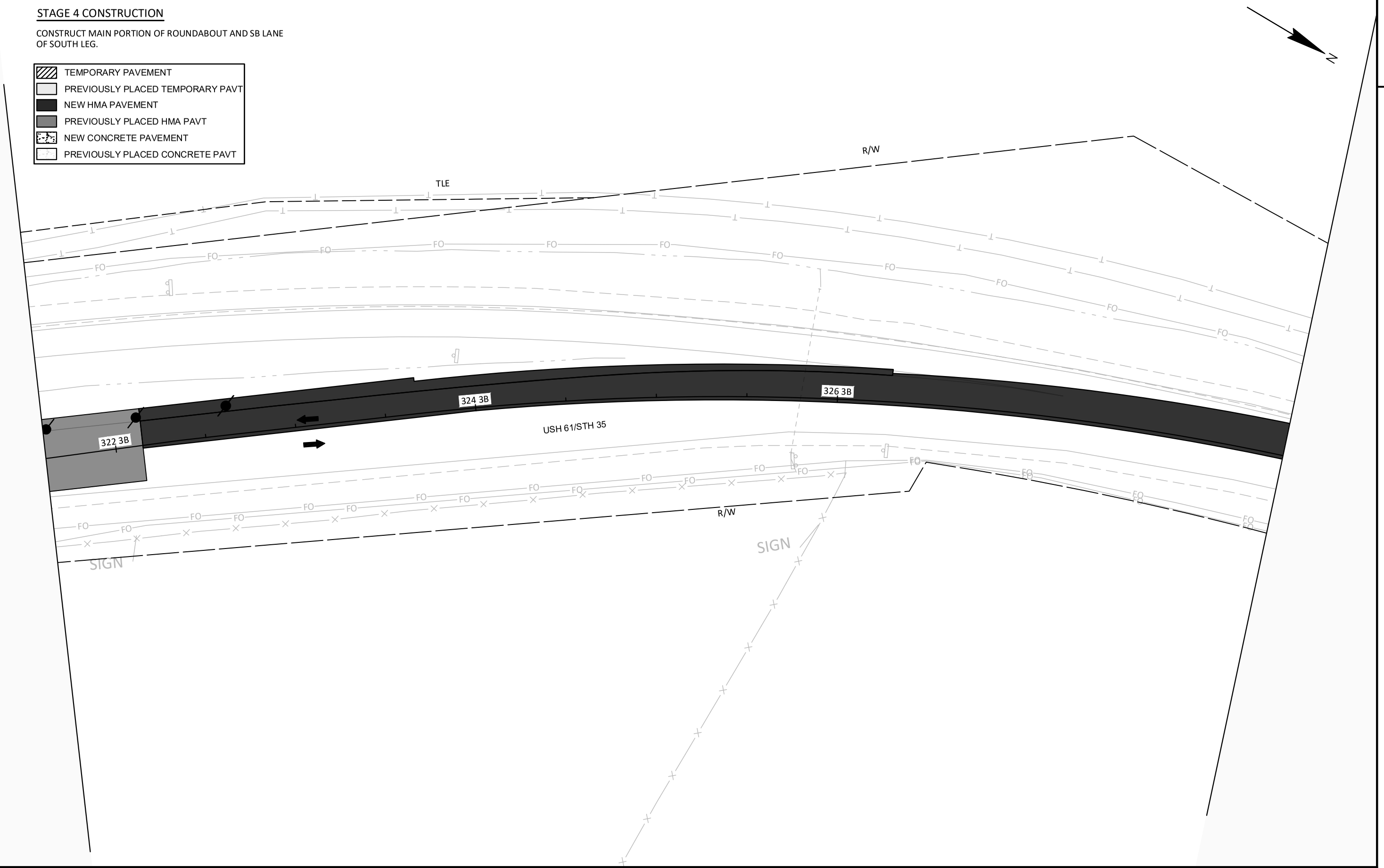
WISDOT/CADDS SHEET 42

2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 149	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 07
PLOT DATE : 11/8/2022 1:31 PM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

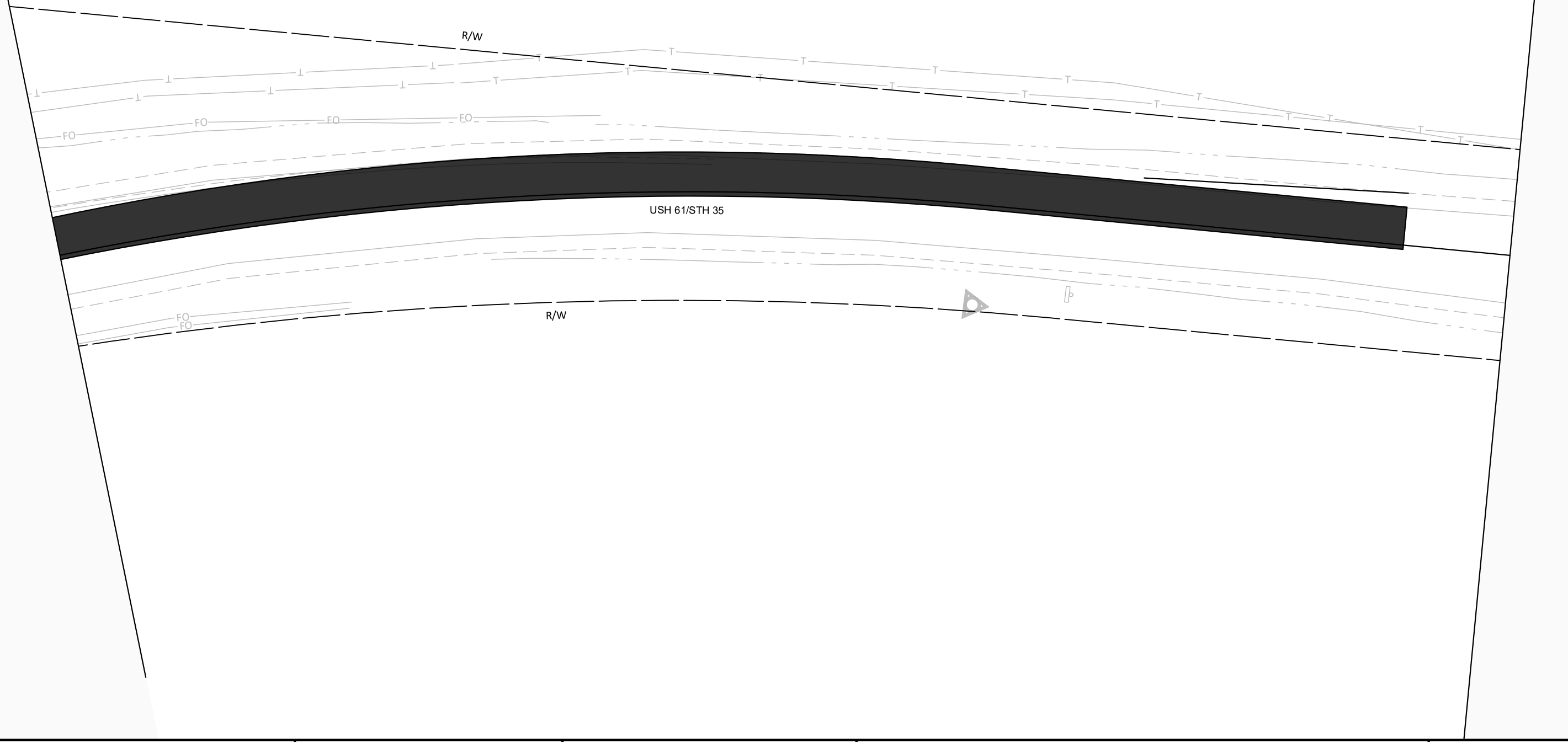
2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 150	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 08

PLOT DATE : 11/8/2022 1:32 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1 IN:50 FT

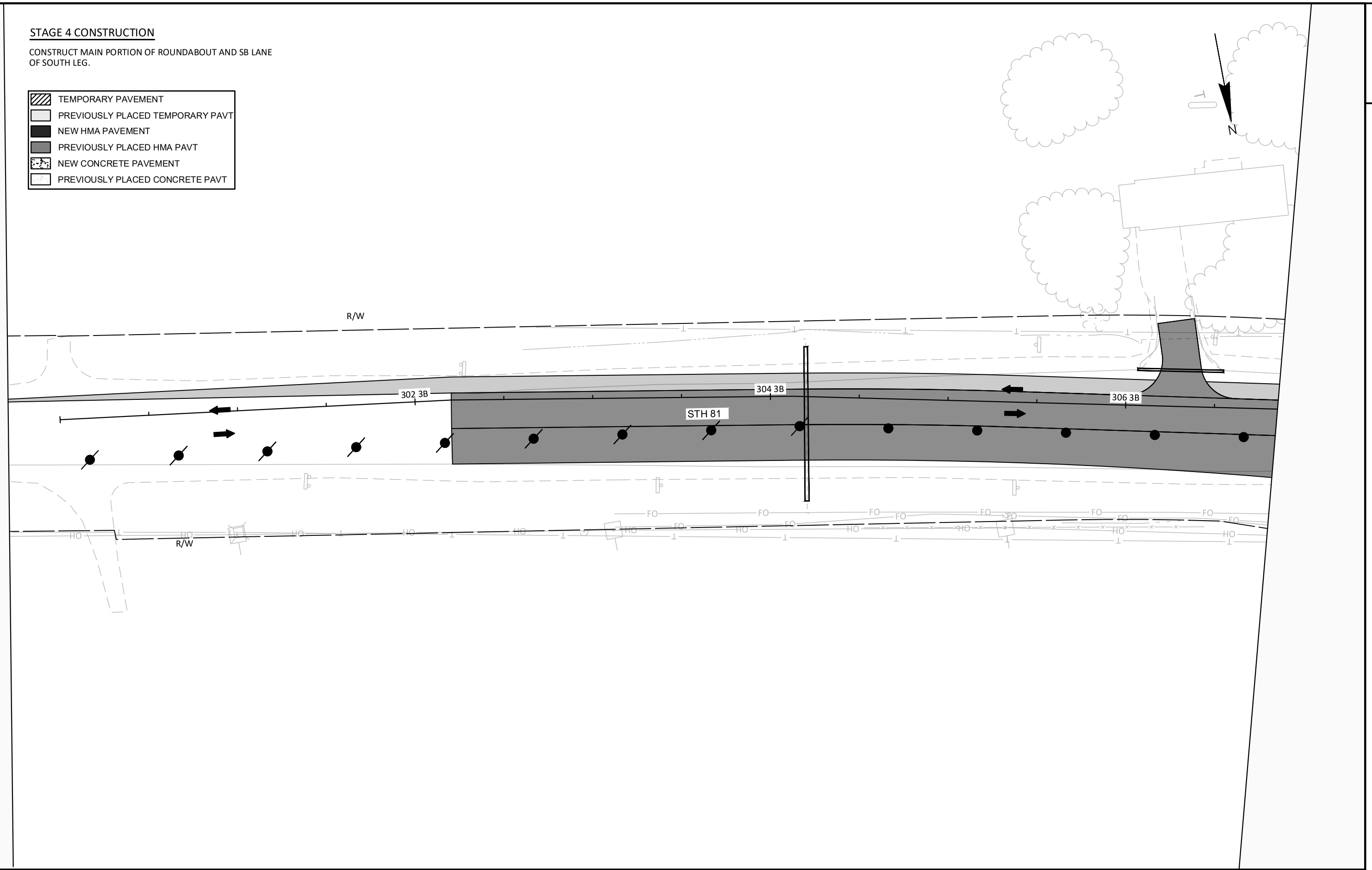
WISDOT/CADDS SHEET 42

2

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT



2

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 151	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 11

PLOT DATE : 11/8/2022 1:32 PM PLOT BY : SEH LAYOUT NAME : 11 PLOT SCALE : 1 IN:50 FT

STAGE 4 CONSTRUCTION

CONSTRUCT MAIN PORTION OF ROUNDABOUT AND SB LANE OF SOUTH LEG.

- TEMPORARY PAVEMENT
- PREVIOUSLY PLACED TEMPORARY PAVT
- NEW HMA PAVEMENT
- PREVIOUSLY PLACED HMA PAVT
- NEW CONCRETE PAVEMENT
- PREVIOUSLY PLACED CONCRETE PAVT

N

USH 61/STH 35

STH 81

308 3B

310 3B

312 3B

314 3B

418 2A

446 2A

TLE

R/W

FILL IN WITH BASE AGGREGATE DENSE 3/4-INCH, FOR TEMPORARY TRUCK OVER TRACKING AREA IN STAGE 5.

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 4	SHEET 152	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S4.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 1:33 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

STAGE 5 CONSTRUCTION SUMMARY

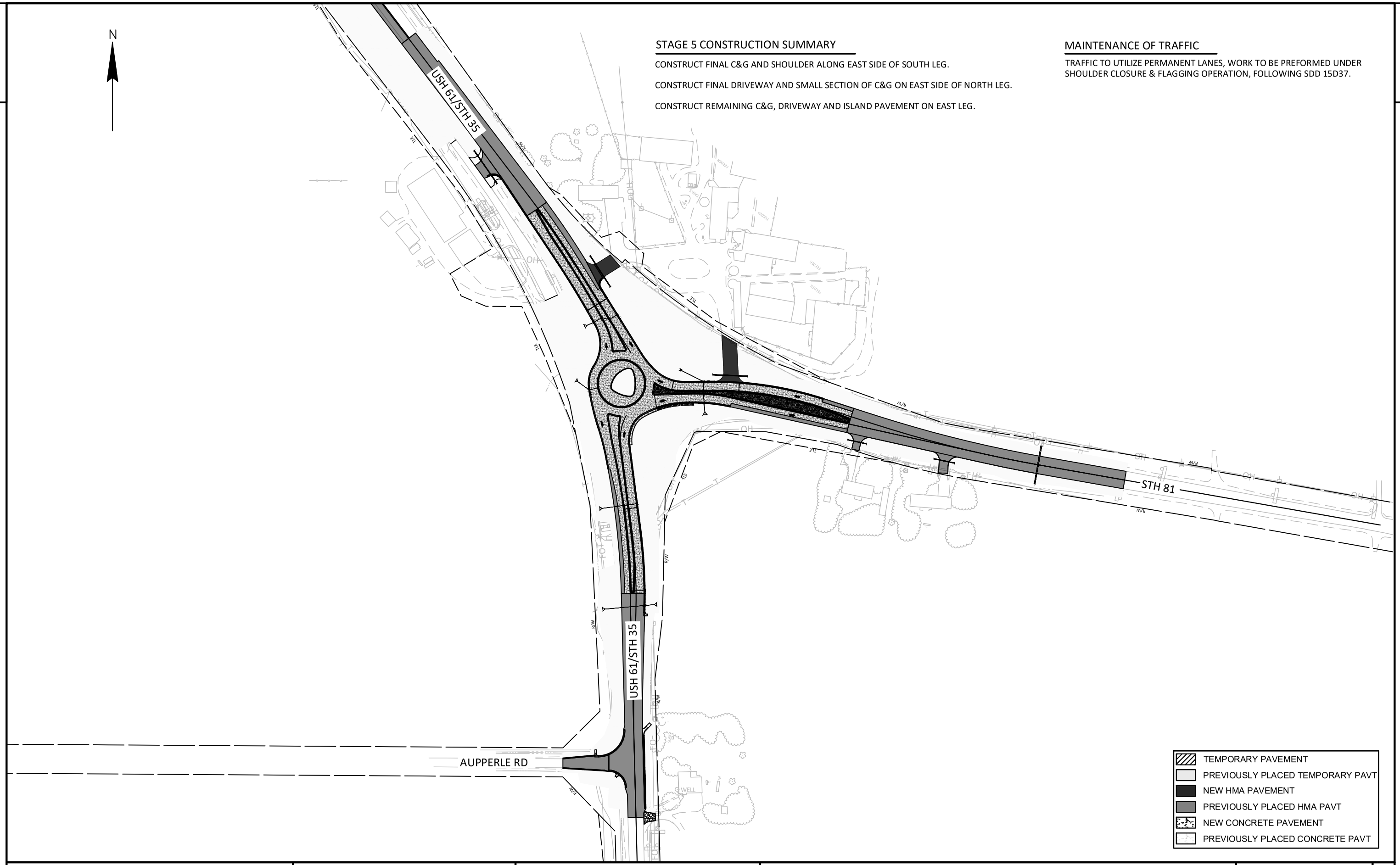
CONSTRUCT FINAL C&G AND SHOULDER ALONG EAST SIDE OF SOUTH LEG.

CONSTRUCT FINAL DRIVEWAY AND SMALL SECTION OF C&G ON EAST SIDE OF NORTH LEG.

CONSTRUCT REMAINING C&G, DRIVEWAY AND ISLAND PAVEMENT ON EAST LEG.

MAINTENANCE OF TRAFFIC

TRAFFIC TO UTILIZE PERMANENT LANES, WORK TO BE PREFORMED UNDER SHOULDER CLOSURE & FLAGGING OPERATION, FOLLOWING SDD 15D37.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 5	SHEET 153	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S5.DWG PLOT DATE : 11/8/2022 1:34 PM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

N

AUPPERLE RD

R/W

TLE

USH 61/STH 35

1274NBA

1276NBA

1278NBA

R/W

SLAB

WELL

CONSTRUCT AGG DRIVEWAY, EAST SIDE
C&G AND CONCRETE SURFACE DRAIN, &
EAST SIDE AGGREGATE SHOULDER UNDER
SHOULDER CLOSURE.

5

5

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 5	SHEET 154	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S5.DWG
LAYOUT NAME - 03

PLOT DATE : 11/8/2022 1:35 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

5

5

TLE

TLE

CONSTRUCT DRIVEWAY C&G AND PAVEMENT & FINISH AGGREGATE SHOULDER UNDER SHOULDER CLOSURE.

1288NBB

1290NBB

USH 61/STH 35

1292NBB

1294NBB

R/W

SIGN

CONSTRUCT FINAL DRIVEWAY CULVERT, CULVERT PIPE CLASS III-A 18-INCH

SAWCUT REQ'D

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 5	SHEET 155	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S5.DWG
LAYOUT NAME - 06

PLOT DATE : 11/8/2022 1:35 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

TEMPORARY PAVEMENT
PREVIOUSLY PLACED TEMPORARY PAVT
NEW HMA PAVEMENT
PREVIOUSLY PLACED HMA PAVT
NEW CONCRETE PAVEMENT
PREVIOUSLY PLACED CONCRETE PAVT

N

CONSTRUCT FINAL CURB & GUTTER AND SPLITTER ISLAND PAVEMENT.

TLE

USH 61/STH 35

1284NBA

1284WBA

STH 81

1282WBA

1284WBA

INSTALL PERMANENT CASTINGS ON INLETS 2.2, 2.2A, 2.3, 2.4, 2.5 & 2.5A

CONSTRUCT FINAL CURB & GUTTER

R/W

CONSTRUCT FINAL DRIVEWAY CULVERT, CULVERT PIPE CLASS III-A 18-INCH

SAWCUT REQ'D

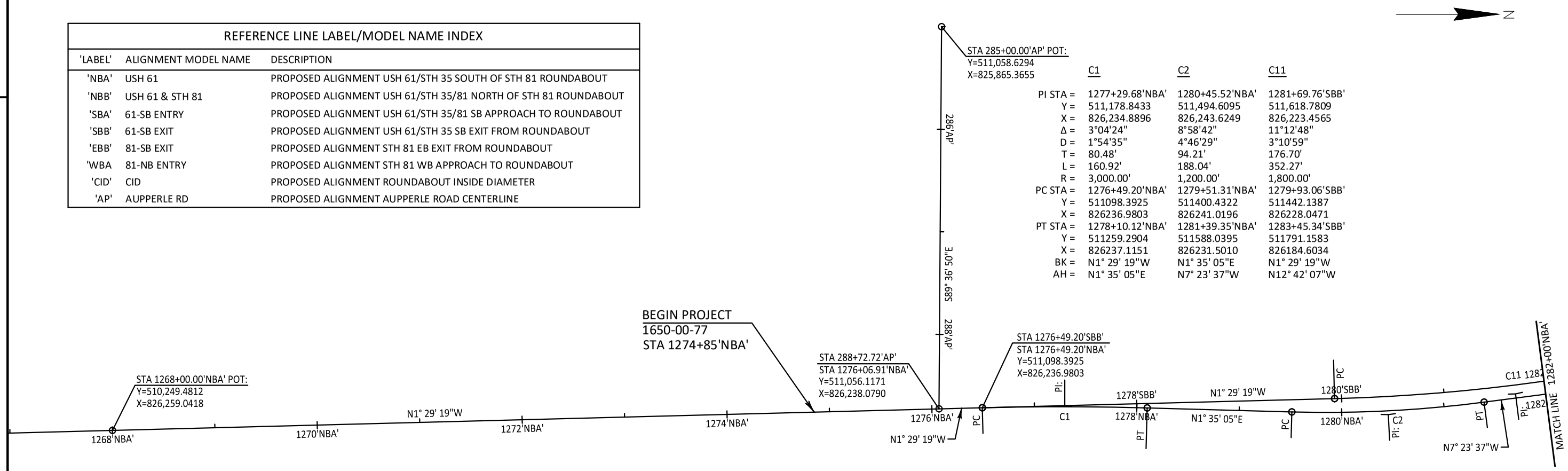
TLE

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	STAGING PLAN - STAGE 5	SHEET 156	E

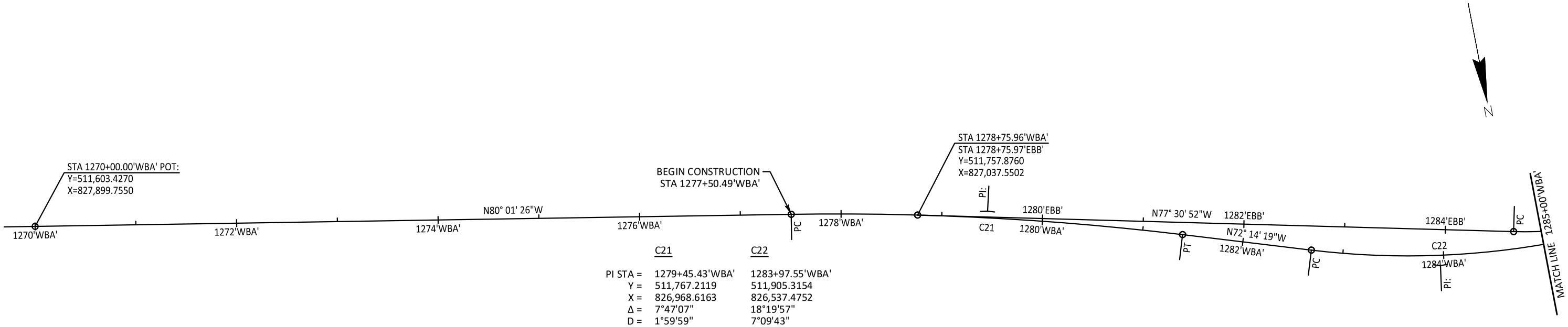
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\026101_S5.DWG
LAYOUT NAME - 12
PLOT DATE : 11/8/2022 1:35 PM
PLOT BY : SEH
LAYOUT NAME : 12
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

REFERENCE LINE LABEL/MODEL NAME INDEX		
'LABEL'	ALIGNMENT MODEL NAME	DESCRIPTION
'NBA'	USH 61	PROPOSED ALIGNMENT USH 61/STH 35 SOUTH OF STH 81 ROUNDABOUT
'NBB'	USH 61 & STH 81	PROPOSED ALIGNMENT USH 61/STH 35/81 NORTH OF STH 81 ROUNDABOUT
'SBA'	61-SB ENTRY	PROPOSED ALIGNMENT USH 61/STH 35/81 SB APPROACH TO ROUNDABOUT
'SBB'	61-SB EXIT	PROPOSED ALIGNMENT USH 61/STH 35 SB EXIT FROM ROUNDABOUT
'EBB'	81-SB EXIT	PROPOSED ALIGNMENT STH 81 EB EXIT FROM ROUNDABOUT
'WBA	81-NB ENTRY	PROPOSED ALIGNMENT STH 81 WB APPROACH TO ROUNDABOUT
'CID'	CID	PROPOSED ALIGNMENT ROUNDABOUT INSIDE DIAMETER
'AP'	AUPPERLE RD	PROPOSED ALIGNMENT AUPPERLE ROAD CENTERLINE



	C1	C2	C11
PI STA =	1277+29.68'NBA'	1280+45.52'NBA'	1281+69.76'SBB'
Y =	511,178.8433	511,494.6095	511,618.7809
X =	826,234.8896	826,243.6249	826,223.4565
Δ =	3°04'24"	8°58'42"	11°12'48"
D =	1°54'35"	4°46'29"	3°10'59"
T =	80.48'	94.21'	176.70'
L =	160.92'	188.04'	352.27'
R =	3,000.00'	1,200.00'	1,800.00'
PC STA =	1276+49.20'NBA'	1279+51.31'NBA'	1279+93.06'SBB'
Y =	511098.3925	511400.4322	511442.1387
X =	826236.9803	826241.0196	826228.0471
PT STA =	1278+10.12'NBA'	1281+39.35'NBA'	1283+45.34'SBB'
Y =	511259.2904	511588.0395	511791.1583
X =	826237.1151	826231.5010	826184.6034
BK =	N1° 29' 19"W	N1° 35' 05"E	N1° 29' 19"W
AH =	N1° 35' 05"E	N7° 23' 37"W	N12° 42' 07"W



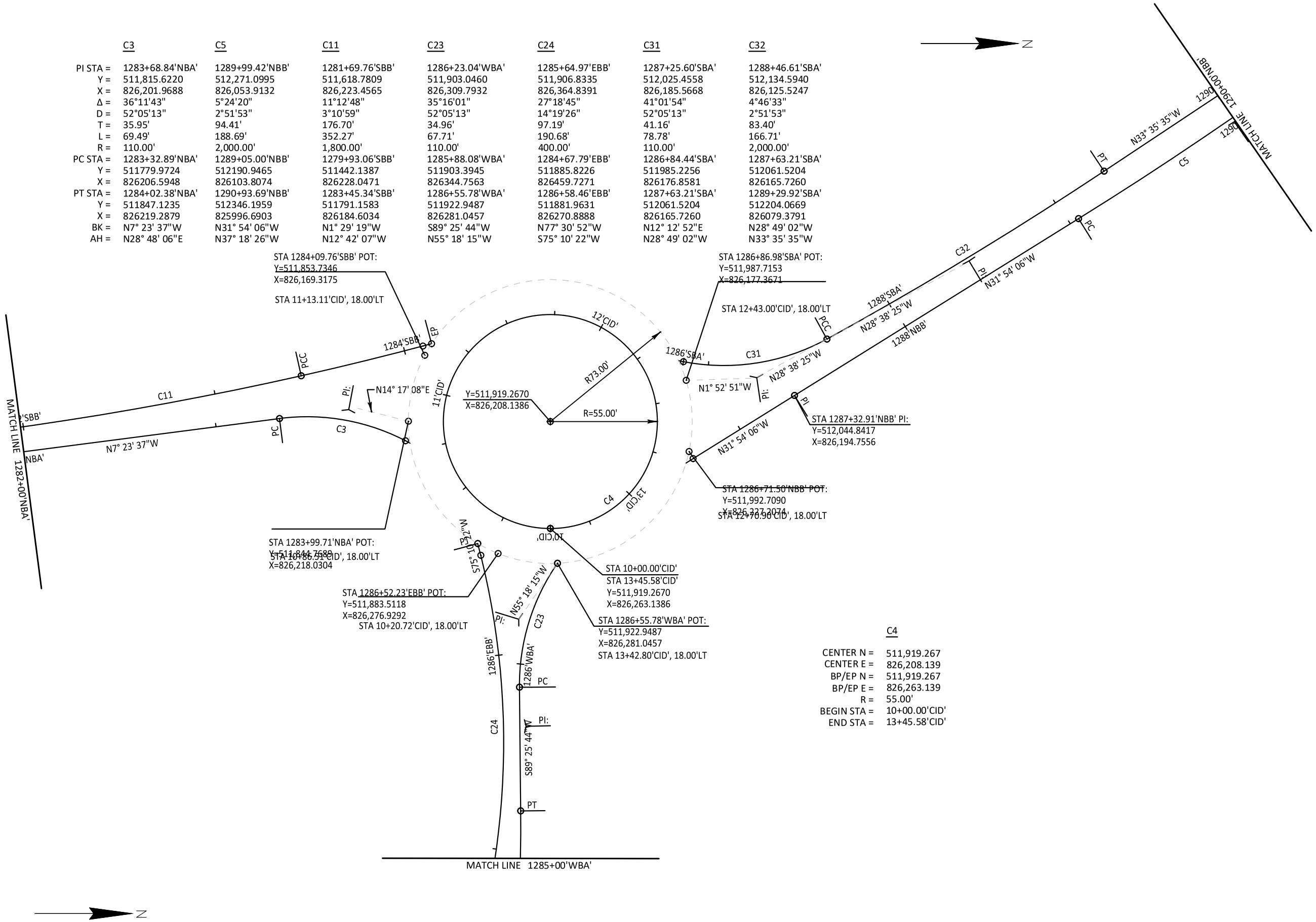
	C21	C22
PI STA =	1279+45.43'WBA'	1283+97.55'WBA'
Y =	511,767.2119	511,905.3154
X =	826,968.6163	826,537.4752
Δ =	7°47'07"	18°19'57"
D =	1°59'59"	7°09'43"
T =	194.94'	129.09'
L =	389.29'	255.97'
R =	2,865.00'	800.00'
PC STA =	1277+50.49'WBA'	1282+68.47'WBA'
Y =	511733.4401	511865.9369
X =	827160.6137	826660.4100
PT STA =	1281+39.78'WBA'	1285+24.43'WBA'
Y =	511826.6804	511904.0288
X =	826782.9634	826408.3940
BK =	N80° 01' 26"W	N72° 14' 19"W
AH =	N72° 14' 19"W	S89° 25' 44"W

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 01 OF 03	SHEET 157	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\027201_AD (ALI DETAIL).DWG PLOT DATE : 7/16/2022 10:44 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

	C3	C5	C11	C23	C24	C31	C32
PI STA =	1283+68.84'NBA'	1289+99.42'NBB'	1281+69.76'SBB'	1286+23.04'WBA'	1285+64.97'EBB'	1287+25.60'SBA'	1288+46.61'SBA'
Y =	511,815.6220	512,271.0995	511,618.7809	511,903.0460	511,906.8335	512,025.4558	512,134.5940
X =	826,201.9688	826,053.9132	826,223.4565	826,309.7932	826,364.8391	826,185.5668	826,125.5247
Δ =	36°11'43"	5°24'20"	11°12'48"	35°16'01"	27°18'45"	41°01'54"	4°46'33"
D =	52°05'13"	2°51'53"	3°10'59"	52°05'13"	14°19'26"	52°05'13"	2°51'53"
T =	35.95'	94.41'	176.70'	34.96'	97.19'	41.16'	83.40'
L =	69.49'	188.69'	352.27'	67.71'	190.68'	78.78'	166.71'
R =	110.00'	2,000.00'	1,800.00'	110.00'	400.00'	110.00'	2,000.00'
PC STA =	1283+32.89'NBA'	1289+05.00'NBB'	1279+93.06'SBB'	1285+88.08'WBA'	1284+67.79'EBB'	1286+84.44'SBA'	1287+63.21'SBA'
Y =	511779.9724	512190.9465	511442.1387	511903.3945	511885.8226	511985.2256	512061.5204
X =	826206.5948	826103.8074	826228.0471	826344.7563	826459.7271	826176.8581	826165.7260
PT STA =	1284+02.38'NBA'	1290+93.69'NBB'	1283+45.34'SBB'	1286+55.78'WBA'	1286+58.46'EBB'	1287+63.21'SBA'	1289+29.92'SBA'
Y =	511847.1235	512346.1959	511791.1583	511922.9487	511881.9631	512061.5204	512204.0669
X =	826219.2879	825996.6903	826184.6034	826281.0457	826270.8888	826165.7260	826079.3791
BK =	N7° 23' 37"W	N31° 54' 06"W	N1° 29' 19"W	S89° 25' 44"W	N77° 30' 52"W	N12° 12' 52"E	N28° 49' 02"W
AH =	N28° 48' 06"E	N37° 18' 26"W	N12° 42' 07"W	N55° 18' 15"W	S75° 10' 22"W	N28° 49' 02"W	N33° 35' 35"W

N

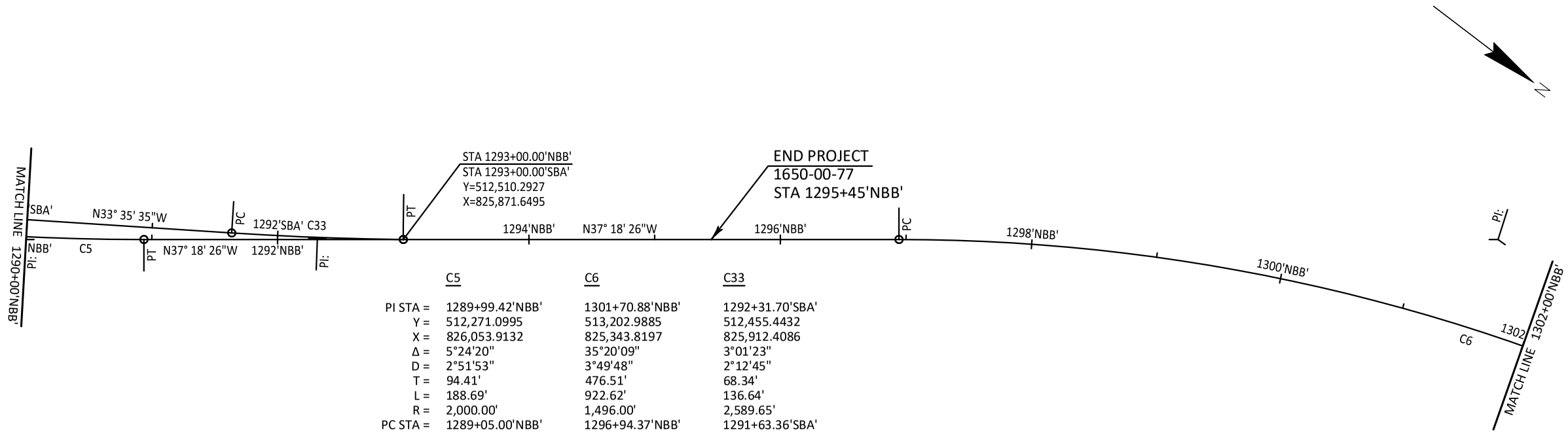


C4	
CENTER N =	511,919.267
CENTER E =	826,208.139
BP/EP N =	511,919.267
BP/EP E =	826,263.139
R =	55.00'
BEGIN STA =	10+00.00'CID'
END STA =	13+45.58'CID'

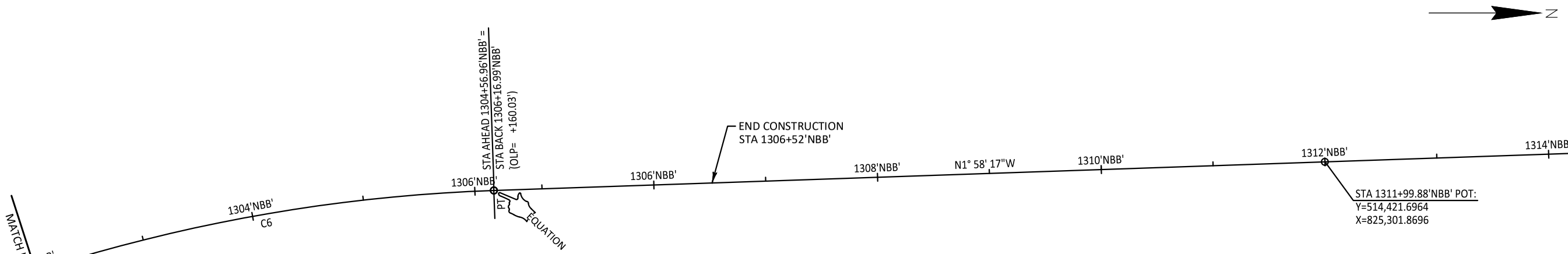
N

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 02 OF 03	SHEET 158	E

2



	C5	C6	C33
PI STA =	1289+99.42'NBB'	1301+70.88'NBB'	1292+31.70'SBA'
Y =	512,271.0995	513,202.9885	512,455.4432
X =	826,053.9132	825,343.8197	825,912.4086
Δ =	5°24'20"	35°20'09"	3°01'23"
D =	2°51'53"	3°49'48"	2°12'45"
T =	94.41'	476.51'	68.34'
L =	188.69'	922.62'	136.64'
R =	2,000.00'	1,496.00'	2,589.65'
PC STA =	1289+05.00'NBB'	1296+94.37'NBB'	1291+63.36'SBA'
Y =	512190.9465	512823.9734	512398.5203
X =	826103.8074	825632.6268	825950.2181
PT STA =	1290+93.69'NBB'	1304+56.96'NBB'	1293+00.00'SBA'
Y =	512346.1959	513679.2166	512510.2927
X =	825996.6903	825327.4271	825871.6495
BK =	N31° 54' 06"W	N37° 18' 26"W	N33° 35' 35"W
AH =	N37° 18' 26"W	N1° 58' 17"W	N36° 36' 59"W



C6

PI STA =	1301+70.88'NBB'
Y =	513,202.9885
X =	825,343.8197
Δ =	35°20'09"
D =	3°49'48"
T =	476.51'
L =	922.62'
R =	1,496.00'
PC STA =	1296+94.37'NBB'
Y =	512823.9734
X =	825632.6268
PT STA =	1304+56.96'NBB'
Y =	513679.2166
X =	825327.4271
BK =	N37° 18' 26"W
AH =	N1° 58' 17"W

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 03 OF 03	SHEET 159	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\027201_AD (ALI DETAIL).DWG PLOT DATE : 7/16/2022 10:44 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

N

PI STA = 116+54.90
Y = 511835.099
X = 826155.836
DELTA = 13°37'05" LT
D = 3°17'34"
T = 207.76'
L = 413.56'
R = 1740.00'
PC STA = 114+47.14
Y = 511628.831
X = 826180.678
PT STA = 118+60.70
Y = 512029.719
X = 826083.127
DB = N06°52'03"W
DA = N20°29'07"W

PI STA = 120+73.06
Y = 512228.647
X = 826008.808
DELTA = 16°25'42" LT
D = 4°46'29"
T = 173.23'
L = 344.08'
R = 1200.00'
PC STA = 118+99.83
Y = 512066.376
X = 826069.432
PT STA = 122+43.91
Y = 512367.148
X = 825904.767
DB = N20°29'07"W
DA = N36°54'50"W

PI STA = 131+37.91
Y = 513081.937
X = 825367.819
DELTA = 33°40'49" RT
D = 3°08'22"
T = 552.39'
L = 1072.79'
R = 1825.00'
PC STA = 125+85.52
Y = 512640.277
X = 825699.593
PT STA = 136+58.31
Y = 513633.451
X = 825336.660
DB = N36°54'50"W
DA = N03°14'01"W

USH 61/STH35

BP: 100+00.00

PI: 101+52.80

N1°29'19"W

104

N3°50'54"W

108

AUPPERLE RD

N1°44'55"W

112

PC: 111+82.95

PT: 113+34.83

PC: 114+47.14

N6°52'03"W

116

PC: 118+60.70

PC: 118+99.83

PT: 122+43.91

120

BP: 218+99.12

N20°29'07"W

124

PC: 125+85.52

N36°54'50"W

128

USH 61/STH 35/81

132

136

PT: 136+58.31

N3°14'01"W

140

PI: 141+70.39

144

N1°39'55"W

EP: 145+94.03

END PROJECT
STA 1295+45.00'NBB'

PT: 216+70.47

216

S76°15'43"W

PI: 106+94.20

BEGIN PROJECT
STA 1274+85.00'NBA'
Y = 510,934.250
X = 826,241.246

PT: 213+83.11

N67°07'05"W

PC: 215+42.64

212

PC: 210+32.27

N78°04'26"W

PI: 208+12.81

208

PI: 206+20.32

N79°51'42"W

STH 81

204

N77°14'16"W

PI: 202+08.88

N80°01'26"W

BP: 200+00.00

PI STA = 112+58.94
Y = 511441.873
X = 826203.195
DELTA = 5°07'08" LT
D = 3°22'13"
T = 75.99'
L = 151.88'
R = 1700.00'
PC STA = 111+82.95
Y = 511365.917
X = 826205.514
PT STA = 113+34.83
Y = 511517.320
X = 826194.108
DB = N01°44'55"W
DA = N06°52'03"W

PI STA = 212+08.31
Y = 511833.099
X = 826776.744
DELTA = 11°43'16" RT
D = 3°20'27"
T = 176.04'
L = 350.84'
R = 1715.00'
PC STA = 210+32.27
Y = 511799.025
X = 826949.451
PT STA = 213+83.11
Y = 511901.547
X = 826614.561
DB = N78°50'22"W
DA = N67°07'05"W

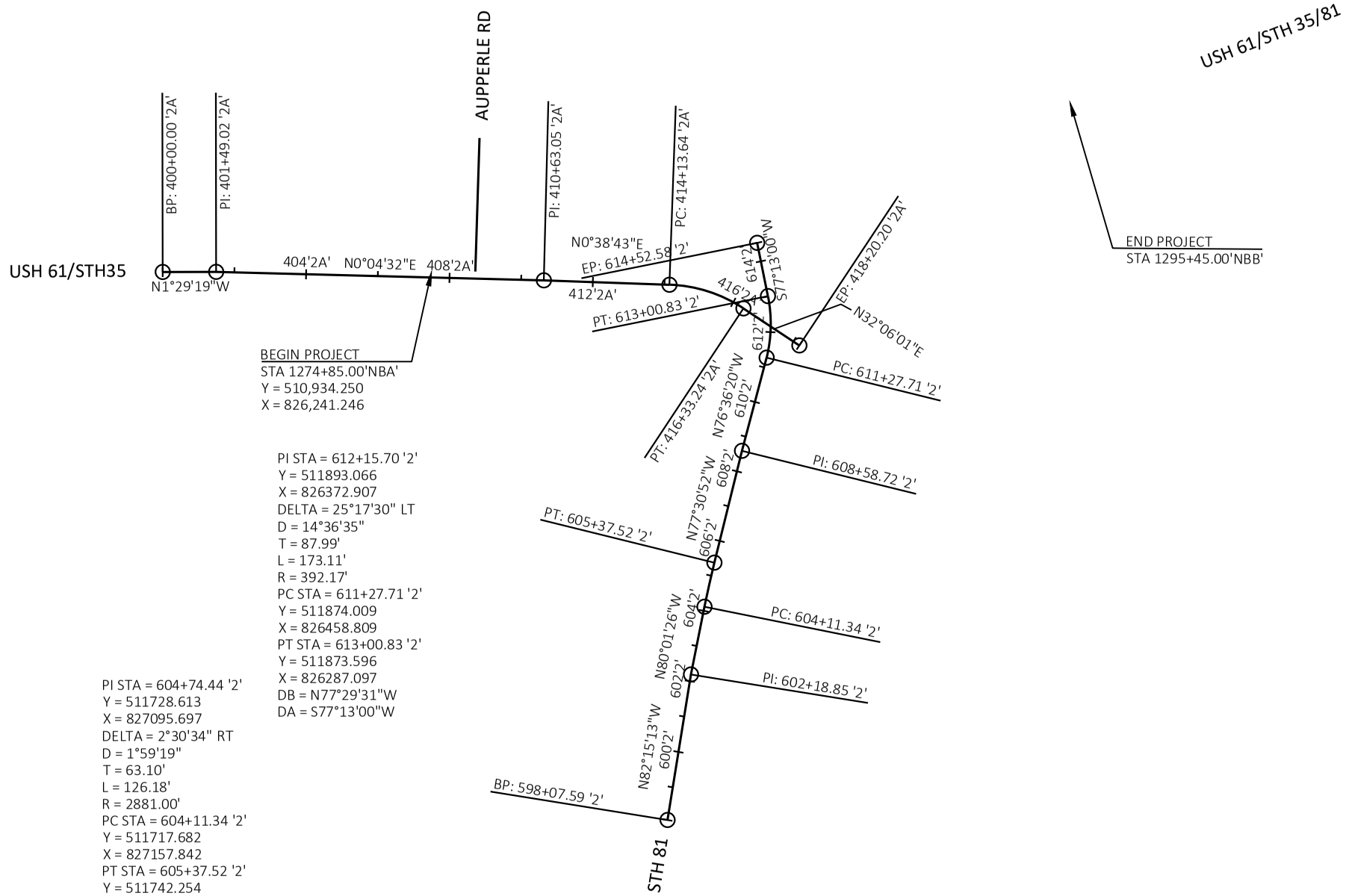
PI STA = 216+08.83
Y = 511989.311
X = 826406.611
DELTA = 36°37'12" LT
D = 28°38'52"
T = 66.18'
L = 127.83'
R = 200.00'
PC STA = 215+42.64
Y = 511963.577
X = 826467.586
PT STA = 216+70.47
Y = 511973.594
X = 826342.322
DB = N67°07'05"W
DA = S76°15'43"W

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS - STAGE 1 TEMPORARY	SHEET 160	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\027201_AD (ST 1).DWG
LAYOUT NAME - 01
PLOT DATE : 7/16/2022 10:45 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

PI STA = 415+26.28 '2A'
Y = 511710.676
X = 826263.281
DELTA = 31°27'18" RT
D = 14°19'26"
T = 112.64'
L = 219.60'
R = 400.00'
PC STA = 414+13.64 '2A'
Y = 511598.041
X = 826262.013
PT STA = 416+33.24 '2A'
Y = 511806.097
X = 826323.139
DB = N00°38'43"E
DA = N32°06'01"E



PI STA = 612+15.70 '2'
Y = 511893.066
X = 826372.907
DELTA = 25°17'30" LT
D = 14°36'35"
T = 87.99'
L = 173.11'
R = 392.17'
PC STA = 611+27.71 '2'
Y = 511874.009
X = 826458.809
PT STA = 613+00.83 '2'
Y = 511873.596
X = 826287.097
DB = N77°29'31"W
DA = S77°13'00"W

PI STA = 604+74.44 '2'
Y = 511728.613
X = 827095.697
DELTA = 2°30'34" RT
D = 1°59'19"
T = 63.10'
L = 126.18'
R = 2881.00'
PC STA = 604+11.34 '2'
Y = 511717.682
X = 827157.842
PT STA = 605+37.52 '2'
Y = 511742.254
X = 827034.091
DB = N80°01'26"W
DA = N77°30'52"W

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS - STAGE 2 TEMPORARY	SHEET 161	E

2

N

PI STA = 328+44.33 '3'
Y = 513202.988
X = 825343.820
DELTA = 35°20'09" RT
D = 3°49'48"
T = 476.51'
L = 922.62'
R = 1496.00'
PC STA = 323+67.82 '3'
Y = 512823.973
X = 825632.627
PT STA = 332+90.44 '3'
Y = 513679.217
X = 825327.427
DB = N37°18'26"W
DA = N01°58'17"W

PT: 332+90.44 '3'
PI: 334+85.41 '3'
PI: 339+50.46 '3'
EP: 341+79.98 '3'

332'3'
336'3'
340'3'
N1°58'17"W
N1°55'17"W
N2°24'48"W

328'3'
324'3'
PC: 323+67.82 '3'
PI: 322+35.93 '3'
N37°18'26"W
USH 61/STH 35/81

PT: 316+94.12 '3'
320'3'
N38°34'58"W
316'3'
312'3'
308'3'
304'3'
N77°52'06"W
N80°00'29"W
N82°16'02"W
PC: 306+86.19 '3'
PI: 304+12.88 '3'
PI: 302+20.40 '3'
BP: 300+00.00 '3'

END PROJECT
STA 1295+45.00'NBB'

AUPPERLE RD

USH 61/STH35

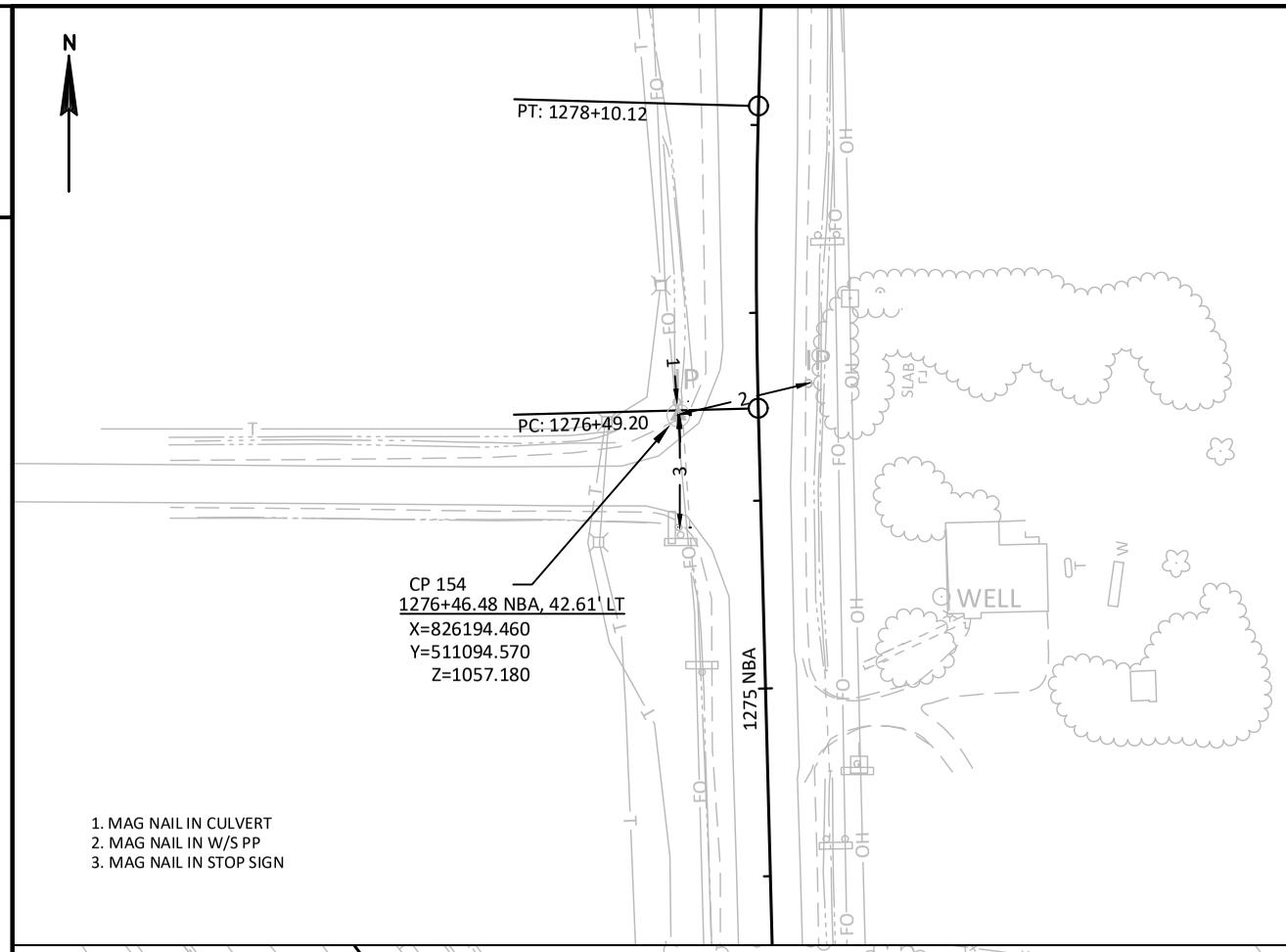
BEGIN PROJECT
STA 1274+85.00'NBA'
Y = 510,934.250
X = 826,241.246

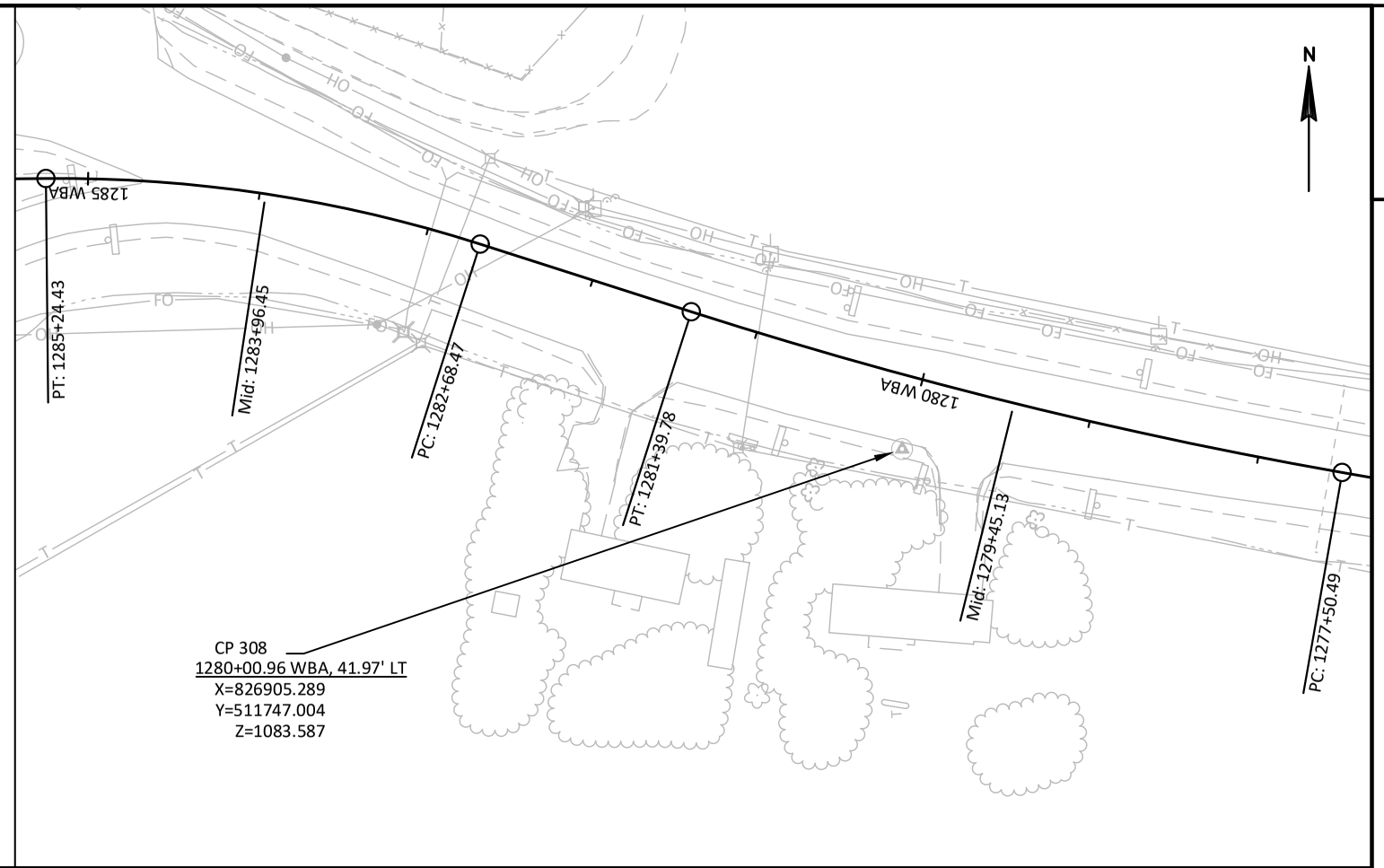
STH 81

PI STA = 312+10.88 '3'
Y = 511885.387
X = 826377.672
DELTA = 39°17'08" RT
D = 3°53'52"
T = 524.68'
L = 1007.93'
R = 1470.00'
PC STA = 306+86.19 '3'
Y = 511775.120
X = 826890.636
PT STA = 316+94.12 '3'
Y = 512295.535
X = 826050.457
DB = N77°52'06"W
DA = N38°34'58"W

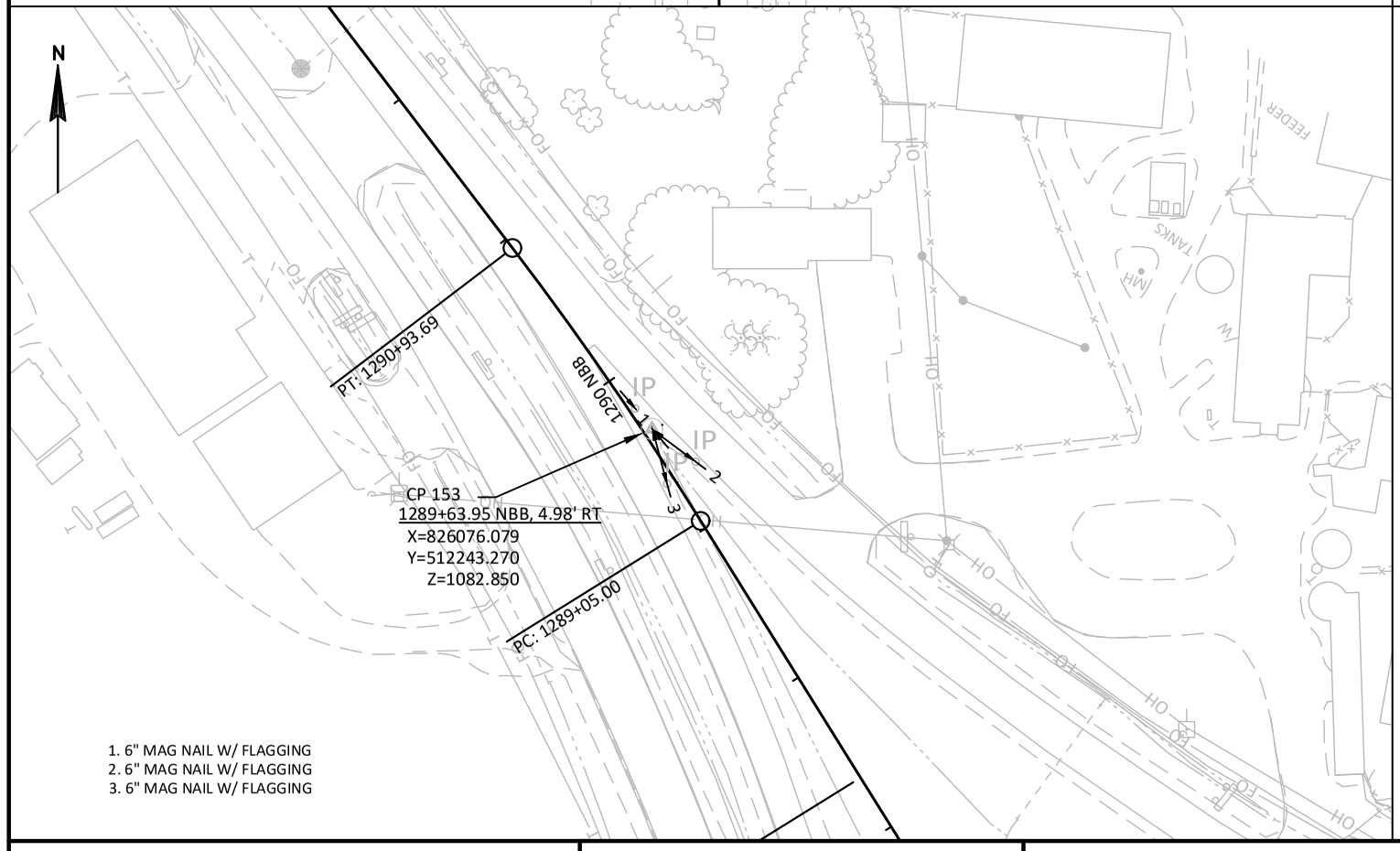
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS - STAGE 3 TEMPORARY	SHEET 162	E

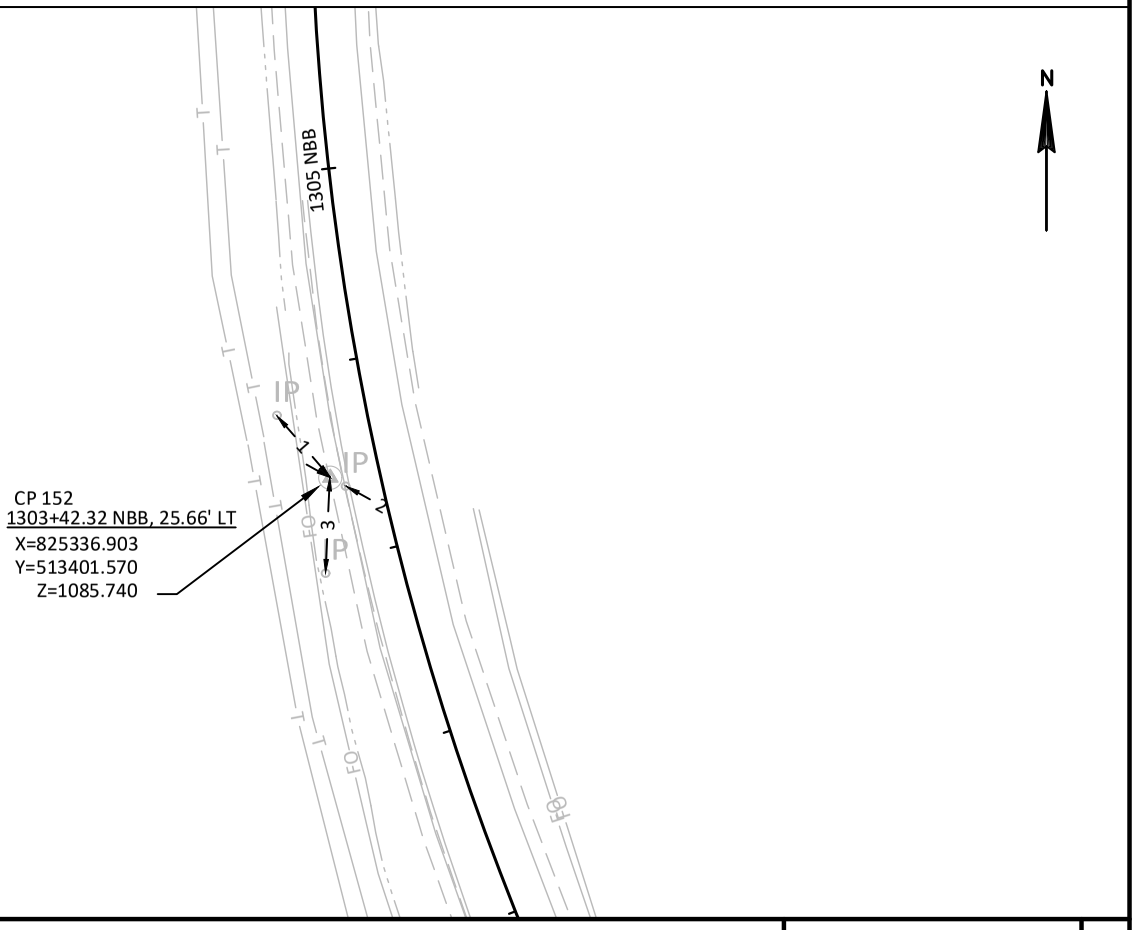
2





2





PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 163 E

1650-00-77

Line	Item	Item Description	Unit	Total	Qty
0010	203.0100	Removing Small Pipe Culverts	EACH	9.000	9.000
0020	204.0110	Removing Asphaltic Surface	SY	890.000	890.000
0022	204.0115	Removing Asphaltic Surface Butt Joints	SY	14.000	14.000
0024	204.0120	Removing Asphaltic Surface Milling	SY	2,477.000	2,477.000
0026	204.0150	Removing Curb & Gutter	LF	616.000	616.000
0034	204.0220	Removing Inlets	EACH	4.000	4.000
0036	204.0245	Removing Storm Sewer (size) 01. 12-INCH	LF	232.000	232.000
0040	205.0100	Excavation Common	CY	57,163.000	57,163.000
0052	208.0100	Borrow	CY	4,307.000	4,307.000
0056	213.0100	Finishing Roadway (project) 01. 1650-00-77	EACH	1.000	1.000
0060	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,164.000	1,164.000
0062	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	25,739.000	25,739.000
0066	312.0110	Select Crushed Material	TON	17,092.000	17,092.000
0070	405.0100	Coloring Concrete WisDOT Red	CY	239.000	239.000
0072	415.0095	Concrete Pavement 9 1/2-Inch	SY	5,608.000	5,608.000
0074	415.4100	Concrete Pavement Joint Filling	SY	9,439.000	9,439.000
0076	416.0512	Concrete Truck Apron 12-Inch	SY	742.000	742.000
0078	416.1010	Concrete Surface Drains	CY	3.000	3.000
0080	450.4000	HMA Cold Weather Paving	TON	223.000	223.000
0082	455.0605	Tack Coat	GAL	1,267.000	1,267.000
0088	460.2000	Incentive Density HMA Pavement	DOL	1,870.000	1,870.000
0096	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,520.000	1,520.000
0098	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,560.000	1,560.000
0100	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	165.000	165.000
0102	465.0125	Asphaltic Surface Temporary	TON	2,300.000	2,300.000
0104	465.0310	Asphaltic Curb	LF	251.000	251.000
0134	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	4.000	4.000
0136	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	4.000	4.000
0140	520.2012	Culvert Pipe Temporary 12-Inch	LF	291.000	291.000
0142	520.2030	Culvert Pipe Temporary 30-Inch	LF	83.000	83.000
0144	520.2036	Culvert Pipe Temporary 36-Inch	LF	48.000	48.000
0148	520.3315	Culvert Pipe Class III-A 15-Inch	LF	92.000	92.000
0150	520.3318	Culvert Pipe Class III-A 18-Inch	LF	331.000	331.000
0154	520.8000	Concrete Collars for Pipe	EACH	3.000	3.000
0156	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	87.000	87.000
0168	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0170	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0172	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0174	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0182	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	185.000	185.000
0184	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,823.000	2,823.000
0186	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	145.000	145.000
0188	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	1,224.000	1,224.000
0190	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	351.000	351.000
0192	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	706.000	706.000
0194	602.0410	Concrete Sidewalk 5-Inch	SF	13,530.000	13,530.000
0196	606.0200	Riprap Medium	CY	35.000	35.000
0200	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	221.000	221.000
0202	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	43.000	43.000

1650-00-77

Line	Item	Item Description	Unit	Total	Qty
0204	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	121.000	121.000
0206	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	110.000	110.000
0208	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	113.000	113.000
0210	611.0430	Reconstructing Inlets	EACH	1.000	1.000
0212	611.0624	Inlet Covers Type H	EACH	19.000	19.000
0214	611.0627	Inlet Covers Type HM	EACH	2.000	2.000
0216	611.0642	Inlet Covers Type MS	EACH	2.000	2.000
0218	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0220	611.3004	Inlets 4-FT Diameter	EACH	4.000	4.000
0222	611.3225	Inlets 2x2.5-FT	EACH	2.000	2.000
0224	611.3230	Inlets 2x3-FT	EACH	14.000	14.000
0228	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0230	611.8120.S	Cover Plates Temporary	EACH	5.000	5.000
0236	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1650-00-77	EACH	1.000	1.000
0240	619.1000	Mobilization	EACH	0.300	0.300
0242	620.0300	Concrete Median Sloped Nose	SF	312.000	312.000
0244	624.0100	Water	MGAL	549.000	549.000
0246	625.0100	Topsoil	SY	11,604.000	11,604.000
0248	625.0500	Salvaged Topsoil	SY	33,910.000	33,910.000
0250	627.0200	Mulching	SY	47,642.000	47,642.000
0252	628.1504	Silt Fence	LF	6,284.000	6,284.000
0254	628.1520	Silt Fence Maintenance	LF	10,054.000	10,054.000
0256	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
0258	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0260	628.2004	Erosion Mat Class I Type B	SY	47,642.000	47,642.000
0268	628.7010	Inlet Protection Type B	EACH	10.000	10.000
0270	628.7015	Inlet Protection Type C	EACH	10.000	10.000
0272	628.7504	Temporary Ditch Checks	LF	75.000	75.000
0274	628.7555	Culvert Pipe Checks	EACH	81.000	81.000
0278	628.7570	Rock Bags	EACH	81.000	81.000
0280	629.0210	Fertilizer Type B	CWT	29.000	29.000
0282	630.0120	Seeding Mixture No. 20	LB	1,023.000	1,023.000
0284	630.0140	Seeding Mixture No. 40	LB	138.000	138.000
0290	630.0200	Seeding Temporary	LB	1,230.000	1,230.000
0292	630.0500	Seed Water	MGAL	763.000	763.000
0296	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	27.000	27.000
0300	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	6.000	6.000
0302	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	6.000	6.000
0304	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	3.000	3.000
0306	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	9.000	9.000
0308	637.2210	Signs Type II Reflective H	SF	440.000	440.000
0310	637.2230	Signs Type II Reflective F	SF	33.000	33.000
0312	638.2102	Moving Signs Type II	EACH	35.000	35.000
0314	638.2602	Removing Signs Type II	EACH	34.000	34.000
0316	638.3000	Removing Small Sign Supports	EACH	34.000	34.000
0318	642.5201	Field Office Type C	EACH	1.000	1.000
0320	643.0300	Traffic Control Drums	DAY	20,411.000	20,411.000
0322	643.0420	Traffic Control Barricades Type III	DAY	1,798.000	1,798.000
0324	643.0705	Traffic Control Warning Lights Type A	DAY	2,272.000	2,272.000

1650-00-77

Line	Item	Item Description	Unit	Total	Qty
0326	643.0715	Traffic Control Warning Lights Type C	DAY	4,194.000	4,194.000
0328	643.0900	Traffic Control Signs	DAY	14,016.000	14,016.000
0330	643.1050	Traffic Control Signs PCMS	DAY	146.000	146.000
0332	643.3105	Temporary Marking Line Paint 4-Inch	LF	22,428.000	22,428.000
0336	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	16,819.000	16,819.000
0338	643.3205	Temporary Marking Line Paint 8-Inch	LF	1,023.000	1,023.000
0340	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	76.000	76.000
0342	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	114.000	114.000
0344	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	2,546.000	2,546.000
0346	643.5000	Traffic Control	EACH	0.600	0.600
0350	645.0120	Geotextile Type HR	SY	95.000	95.000
0352	646.1020	Marking Line Epoxy 4-Inch	LF	17,223.000	17,223.000
0354	646.3020	Marking Line Epoxy 8-Inch	LF	259.000	259.000
0356	646.5120	Marking Word Epoxy	EACH	3.000	3.000
0358	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	51.000	51.000
0360	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	17,223.000	17,223.000
0362	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	259.000	259.000
0364	646.7120	Marking Diagonal Epoxy 12-Inch	LF	308.000	308.000
0366	646.8120	Marking Curb Epoxy	LF	173.000	173.000
0368	646.8220	Marking Island Nose Epoxy	EACH	3.000	3.000
0370	646.9000	Marking Removal Line 4-Inch	LF	8,592.000	8,592.000
0372	646.9100	Marking Removal Line 8-Inch	LF	475.000	475.000
0374	646.9300	Marking Removal Special Marking	EACH	2.000	2.000
0378	650.4000	Construction Staking Storm Sewer	EACH	25.000	25.000
0380	650.4500	Construction Staking Subgrade	LF	10,792.000	10,792.000
0382	650.5000	Construction Staking Base	LF	10,792.000	10,792.000
0384	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	285.000	285.000
0386	650.6000	Construction Staking Pipe Culverts	EACH	6.000	6.000
0396	650.8000	Construction Staking Resurfacing Reference	LF	1,111.000	1,111.000
0398	650.8501	Construction Staking Electrical Installations (project) 01. 1650-00-77	EACH	1.000	1.000
0400	650.9911	Construction Staking Supplemental Control (project) 01. 1650-00-77	EACH	1.000	1.000
0404	650.9920	Construction Staking Slope Stakes	LF	13,160.000	13,160.000
0406	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,879.000	1,879.000
0408	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	34.000	34.000
0410	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	19.000	19.000
0412	654.0105	Concrete Bases Type 5	EACH	14.000	14.000
0414	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0416	655.0610	Electrical Wire Lighting 12 AWG	LF	9,438.000	9,438.000
0418	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STA 1286+38 WBA, 38' RT	EACH	1.000	1.000
0420	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	14.000	14.000
0422	657.0322	Poles Type 5-Aluminum	EACH	14.000	14.000
0424	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	14.000	14.000
0426	659.1120	Luminaires Utility LED B	EACH	14.000	14.000
0428	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000
0430	690.0150	Sawing Asphalt	LF	5,723.000	5,723.000
0432	690.0250	Sawing Concrete	LF	9.000	9.000
0434	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	1,682.400	1,682.400
0438	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0440	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,200.000	3,200.000

1650-00-77

Line	Item	Item Description	Unit	Total	Qty
0442	SPV.0060	Special 01. Inlet Covers Flat Temporary	EACH	6.000	6.000
0444	SPV.0060	Special 02. Construction Staking Roundabout USH 61/STH 81	EACH	1.000	1.000
0448	SPV.0060	Special 04. Inlets 6-FT Diameter	EACH	3.000	3.000
0450	SPV.0090	Special 01. Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate	LF	114.000	114.000

ALL ITEMS ARE CATEGORY 0010.

3

REMOVING SMALL PIPE CULVERTS

STAGE	STATION - STATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0220 REMOVING INLETS EACH	204.0245 REMOVING STORM SEWER 12-INCH LF	REMARKS
1	285+31 AP	1	-	-	18" CPCS, 90 LF - AUPPERLE RD
	1279+65 NBA, CL	1	-	-	24" CONC, 90 LF - CROSSES USH 61
	SUBTOTAL STAGE 1	2	0	0	
2	1281+67 NBA, LT	-	2	68	MEDIAN/CROSSES USH 61 SB
	1283+38 NBA, RT	1	-	-	36" CONC, 63 LF - USH 61 NB TO STH 81 EB BYPASS LANE
	1292+49 NBB, CL	-	1	70	MEDIAN/CROSSES USH 61 NB
	1277+58 WBA, CL	1	-	-	24" CONC, 94 LF - CROSSES STH 81
	1279+65 WBA, LT	1	-	-	12" CPCS, 43 LF - DRIVEWAY CULVERT
	1281+64 WBA, LT	1	-	-	12" CPCS, 47 LF - DRIVEWAY CULVERT
	SUBTOTAL STAGE 2	4	3	138	
3	1284+83 WBA, RT	1	-	-	18" CONC, 52 LF - DRIVEWAY CULVERT
	1286+81 NBB, RT	1	-	-	24" CONC, 81 LF - STH 81 TO USH 61 NB LANE
	SUBTOTAL STAGE 3	2	0	0	
4	1281+95 NBA, LT	-	-	22	TEMPORARY OUTFALL CONSTRUCTED IN STAGE 1
	1286+49 WBA, RT	1	-	-	30" CONC, 80 LF - STH 81 TO USH 61 SB LANE
	1286+92 NBB, LT	-	1	72	MEDIAN/CROSSES USH 61 SB
	SUBTOTAL STAGE 4	1	1	94	
	PROJECT TOTALS	**9**	**4**	**232**	

REMOVING ASPHALT PAVEMENT

STAGE	STATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	REMARKS
4	1306+52 NBB	-	14	-	NORTH LEG, RESURFACE TIE IN
	1295+41 NBB - 1306+52 NBB	-	-	2477	RESURFACE AREA
	SUBTOTAL STAGE 4	0	14	2477	
5	1281+85 NBB - 1286+25 NBB LT	890	-	-	SPLITTER ISLAND, TEMP. ASPHALT
	SUBTOTAL STAGE 5	890	0	0	
	PROJECT TOTALS	**890**	**14**	**2477**	

DRIVEWAY ITEMS

STAGE	STATION	LOCATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)	REMARKS
2	1279+67 WBA	LT	43	20	ASPH
	1281+65 WBA	LT	29	14	ASPH
	SUBTOTAL STAGE 2		72	34	
3	311+85 3B	RT	69	-	TEMPORARY CONNECTION
	315+22 3B	RT	42	-	TEMPORARY CONNECTION
	SUBTOTAL STAGE 3		111	0	
4	1292+02 NBB	LT	97	27	ASPH, CE
	SUBTOTAL STAGE 4		97	27	
5	1274+83 NBA	RT	21	-	AGG
	1284+80 WBA	RT	131	63	ASPH
	1288+64 NBB	RT	85	41	ASPH
			237	104	
	PROJECT TOTALS		517	165	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVING CURB & GUTTER

STAGE	LOCATION	204.0150 REMOVING CURB & GUTTER LF
2	USH 61 ISLAND	236
	STAGE 2 SUBTOTAL	236
3	USH 61 ISLAND	380
	STAGE 3 SUBTOTAL	380
	PROJECT TOTAL	**616**

ALL ITEMS ARE CATEGORY 0010.

3

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1 - STAGE 1										
USH 61	101+72.877/130+60.25		2,010	2,010	2,183	2,838	-828	0	828	
STH 81	202+42.245/218+27		765	765	332	432	333	333	0	
DIVISION 1 SUBTOTAL			2,775	2,775	2,515	3,270	-495	333	828	
DIVISION 2 - STAGE 2										
USH 61 SOUTH LEG	402+29.687/416+92.737		2,216	2,216	1,852	2,408	-192	0	192	
USH 61 NORTH LEG	1288+00.553/1295+41.516		9,461	9,461	226	294	9,167	9,167	0	
STAGE 2 (STH 81)	599+18/611+50		5,510	5,510	24	31	5,479	5,479	0	
DIVISION 2 SUBTOTAL			17,187	17,187	2,102	2,733	14,454	14,646	192	
DIVISION 3 - STAGE 3										
USH 61 AND STH 81	302+20.41/317+44.736		18,573	18,573	44	57	18,516	18,516	0	
DIVISION 3 SUBTOTAL			18,573	18,573	44	57	18,516	18,516	0	
DIVISION 4 - STAGE 4										
NBB ALIGNMENT	1286+67.226/1299+77.148		6,094	6,094	2,538	3,299	2,795	2,795	0	
NBA ALIGNMENT	1274+85/1284+02.384		3,817	3,817	1,046	1,360	2,457	2,457	0	
NBA ALIGNMENT-REMOVE TEMPORARY SOU	1269+07.294/1274+85		111	111	1,027	1,335	-1,224	0	1,224	
SBB ALIGNMENT	1277+00/1284+14.38		1,530	1,530	978	1,271	259	259	0	
WBA ALIGNMENT-REMOVE TEMPORARY EAS	1272+29.13/1275+58		10	10	554	720	-710	0	710	
WBA ALIGNMENT	1275+58/1278+75.966		290	290	0	0	290	290	0	
WBA ALIGNMENT	1283+43.325/1286+50		525	525	1,411	1,834	-1,309	0	1,309	
EBB ALIGNMENT	1278+75.966/1286+58.463		1,638	1,638	557	724	914	914	0	
AUPPERLE ROAD	287+10/288+60		699	699	36	47	652	652	0	
CID ALIGNMENT	10+00/13+42.8		1,407	1,407	1,116	1,451	-44	0	44	
SBA ALIGNMENT	1286+84.437/1288+00.677		2,507	2,507	2	3	2,504	2,504	0	
DIVISION 4 SUBTOTAL			18,628	18,628	9,265	12,045	6,584	9,871	3,287	
GRAND TOTAL			57,163	57,163	13,926	18,104	39,059	43,366	4,307	
TOTAL COMMON EXC			57,163							

NOTES:

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

ALL ITEMS ARE CATEGORY 0010.

3

BASE AGGREGATE DENSE

STAGE	STATION - STATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER MGAL	REMARKS
1	101+72 1A - 130+61 1A	28	2534	-	52	TEMPORARY PAVT AREAS
	202+42 1B - 218+89 1B	39	1366	-	29	TEMPORARY PAVT AREAS
	STAGE 1 SUBTOTALS	67	3900	0	81	
2	1274+85 NBA - 1279+94 NBA	-	1043	1073	21	PERMANENT HMA PAVT AREA ONLY, NO SHOULDER SOUTH LEG
	1279+94 NBA - 1283+30 NBA	-	314	754	7	PERMANENT CONC. PAVT & CURB AREA ONLY, SOUTH LEG
	1277+50 WBA - 1281+96 WBA	-	1106	1137	23	PERMANENT HMA PAVT AREA ONLY, EAST LEG
	1281+96 WBA - 1286+40 WBA	-	324	777	7	PERMANENT CONC. PAVT & CURB AREA ONLY, EAST LEG
	1290+57 NBB - 1295+42 NBB	54	2470	2177	51	PERMANENT HMA PAVT & SHOULDERS AREA, NORTH LEG
	1288+00 NBB - 1290+57 NBB	-	433	1039	9	PERMANENT CONC. PAVT & CURB AREA ONLY, NORTH LEG
	1288+00 NBB - 1290+57 NBB	-	46	-	1	NORTH SPLITTER ISLAND
	402+29 2A - 417+72 2A	18	2325	-	47	TEMPORARY PAVT AREAS
	600+76 2B - 611+94 2B	10	560	-	12	TEMPORARY PAVT AREAS
	610+98 2B - 614+27 2B	82	-	-	2	TEMPORARY PAVT AREAS
	STAGE 2 SUBTOTALS	164	8621	6957	180	
3	1277+50 WBA - 1282+68 WBA	-	1265	1301	26	PERMANENT HMA PAVT AREA ONLY, NO SHOULDER EAST LEG
	1281+96 WBA - 1284+72 WBA	-	167	400	4	PERMANENT CONC. PAVT & CURB AREA ONLY, EAST LEG
	302+81 3B - 322+78 3B	11	2165	-	44	TEMPORARY PAVT AREAS
	STAGE 3 SUBTOTALS	11	3597	1701	74	
4	287+10 AP - 288+53 AP	19	341	254	8	AUPPERLE RD
	1274+85 NBA - 1282+82 NBA	46	1611	1348	34	PERMANENT HMA PAVT & WEST SHOULDER AREA, SOUTH LEG
	-	-	1202	2885	25	PERMANENT CONC. PAVT, SOUTH LEG/RAB AREA
	1279+94 NBA - 1283+90 NBA	-	99	-	2	SOUTH SPLITTER ISLAND
	-	-	235	-	5	CENTER ISLAND
	1286+78 NBB - 1288+00 NBB	-	43	-	1	NORTH SPLITTER ISLAND
	1295+41 NBB - 1299+56 NBB	29	384	203	9	RESURFACE SECTION, NEW SHOULDER PAVT AREA
	1299+56 NBB - 1306+52 NBB	58	-	-	2	RESURFACE SECTION
	STAGE 4 SUBTOTALS	152	3915	4690	86	
5	1275+05 NBA - 1276+71 NBA	-	31	74	1	SOUTH LEG C&G AREA RIGHT
	1276+86 NBA - 1279+51 NBA	19	120	-	3	SOUTH LEG, EAST SHOULDER
	1279+51 NBA - 1281+87 NBA	-	40	96	1	SOUTH LEG C&G AREA, RIGHT
	1284+75 WBA - 1286+28 WBA	-	44	106	1	EAST LEG, OVERTRACK AREA & C&G, LEFT
	1281+96 WBA - 1286+10 WBA	-	148	354	3	EAST SPLITTER ISLAND, C&G
	1281+96 WBA - 1286+50 WBA	-	148	-	3	EAST ISLAND PAVEMENT
	1282+68 WBA - 1286+10 WBA	-	58	138	2	EAST LEG C&G AREA, RIGHT
	1277+50 WBA - 1284+75 WBA	63	413	-	10	EAST LEG, AGG SHOULDER, LEFT
	1277+50 WBA - 1282+68 WBA	49	321	-	8	EAST LEG, AGG SHOULDER, RIGHT
	1288+35 NBB, RT	-	5	10	1	C&G AREA AT DRIVEWAY
	1289+00 NBB - 1290+94 NBB	14	88	-	3	NORTH LEG, AGG SHOULDER, RIGHT
	STAGE 5 SUBTOTALS	145	1416	778	36	
	VARIES	-	-	140	-	14 RELIEF TRENCH LOCATIONS
	UNDISTRIBUTED QTY	108	4290	2826	92	
	PROJECT TOTALS	**647**	**25739**	**17092**	**549**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE PAVEMENT ITEMS

STAGE	STATION - STATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0095 CONCRETE PAVEMENT 9.5-INCH SY	*415.4100 CONCRETE PAVEMENT JOINT FILLING SY	416.0512 CONCRETE TRUCK APRON 12-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY	602.0410 CONCRETE SIDEWALK 5-INCH SF	REMARKS
2	1279+94 NBA - 1283+30 NBA	-	694	694	-	-	-	SOUTH LEG, NB LANES
	1281+95 WBA - 1286+40 WBA	-	971	971	-	-	-	EAST LEG
	1288+00 NBB - 1290+57 NBB	29	887	1094	-	-	1855	NORTH ISLAND
	STAGE 2 SUBTOTAL	29	2552	2759	0	0	1855	
3	1281+96 WBA - 1284+72 WBA	-	500	500	-	-	-	EAST LEG, NB LANE & ISLAND
	STAGE 3 SUBTOTAL	0	500	500	0	0	0	
4	-	-	-	2556	2556	-	-	-	CENTER RAB LANES, SOUTH LEG SB LANE
	1279+94 NBA - 1283+90 NBA	62	-	445	-	-	3997	SOUTH LEG, ISLAND
	1286+79 NBB - 1288+00 NBB	27	-	190	-	-	1704	NORTH LEG, ISLAND
	-	26	-	695	695	-	-	CENTER ISLAND & OVERTRACK AREA
	287+86 AP	-	-	-	-	1	-	SURFACE DRAIN, AUPPERLE RD
	288+35 AP	-	-	-	-	1	-	SURFACE DRAIN, AUPPERLE RD
	STAGE 4 SUBTOTAL	115	2556	3886	695	2	5701	
5	1276+78 NBA	-	-	-	-	1	-	CONCRETE SURFACE DRAIN
	1284+72 WBA - 1286+50 WBA	93	-	664	-	-	5974	EAST LEG, ISLAND
	1285+61 WBA - 1286+28 WBA	2	-	47	47	-	-	EAST LEG, OVERTRACK AREA
	STAGE 5 SUBTOTAL	95	0	711	47	1	5974	
	PROJECT TOTAL	**239**	**5608**	**7856**	**742**	**3**	**13530**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ARE CATEGORY 0010.

ASPHALTIC PAVEMENT ITEMS

STAGE	STATION	LOWER LAYER THICHKNESS IN	UPPER LAYER THICKNESS IN	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0310 ASPHALTIC CURB LF	450.4000 HMA COLD WEATHER PAVING TON	REMARKS
1	101+72 1A - 130+61 1A	-	3	-	-	-	628	-	-	TEMPORARY PAVT AREAS
	202+42 1B - 218+89 1B	-	3	-	-	-	335	-	-	TEMPORARY PAVT AREAS
	STAGE 1 SUBTOTAL			0	0	0	963	0	0	
2	402+29 2A - 417+50 2A	-	3	-	-	-	616	-	-	TEMPORARY PAVT AREAS
	407+24 2A - 409+75 2A	-	-	-	-	-	-	251	-	
	600+77 2B - 614+27 2B	-	3	-	-	-	119	-	-	TEMPORARY PAVT AREAS
	1274+85 NBA - 1279+93 NBA	3	2.5	94	225	-	-	-	-	SOUTH LEG, LOWER
	1274+85 NBA - 1279+93 NBA	3	2.5	67	-	188	-	-	-	SOUTH LEG, UPPER
	1275+58 WBA - 1281+96 WBA	3	2.5	99	239	-	-	-	-	EAST LEG, LOWER
	1275+58 WBA - 1281+96 WBA	3	2.5	71	-	199	-	-	-	EAST LEG, UPPER
	1290+56 NBB - 1295+42 NBB	3	2.5	190	457	-	-	-	-	NORTH LEG, LOWER
	1290+56 NBB - 1295+42 NBB	3	2.5	136	-	381	-	-	-	NORTH LEG, UPPER
	STAGE 2 SUBTOTAL			657	921	768	735	251	0	
3	1275+58 WBA - 1281+96 WBA	3	2.5	114	273	-	-	-	-	EAST LEG, LOWER
	1275+58 WBA - 1281+96 WBA	3	2.5	81	-	228	-	-	-	EAST LEG, UPPPER
	302+81 3B - 322+78 3B	-	3.0	-	-	-	602	-	-	TEMPORARY PAVT AREAS
	STAGE 3 SUBTOTAL			195	273	228	602	0	0	
4	287+10 AP - 288+53 AP	3	2.5	22	53	-	-	-	-	AUPPERLE RD, LOWER
	287+10 AP - 288+53 AP	3	2.5	16	-	44	-	-	-	AUPPERLE RD, UPPER
	1274+85 NBA - 1279+93 NBA	3	2.5	96	231	-	-	-	-	SOUTH LEG, LOWER
	1274+85 NBA - 1279+93 NBA	3	2.5	69	-	192	-	-	-	SOUTH LEG, UPPER
	1295+41 NBB - 1299+56 NBB	3	2.5	17	42	-	-	-	-	RESURFACE SECTION, NEW SHOULDER PAVT AREA
	1295+41 NBB - 1299+56 NBB	3	2.5	12	-	35	-	-	-	RESURFACE SECTION, NEW SHOULDER PAVT AREA
	1295+41 NBB - 1306+52 NBB	-	2.0	183	-	293	-	-	-	RESURFACE AREA
	PROJECT AREA	-	-	-	-	-	-	-	223	
	STAGE 4 SUBTOTAL			415	326	564	0	0	223	
	PROJECT TOTAL			**1267**	**1520**	**1560**	**2300**	**251**	**223**	

ALL ITEMS ARE CATEGORY 0010.

3

3

CULVERTS ITEMS

PROJECT NUMBER	STAGE	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	CL STATION	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.2012 CULVERT PIPE TEMPORARY 12-INCH LF	520.2030 CULVERT PIPE TEMPORARY 30-INCH LF	520.2036 CULVERT PIPE TEMPORARY 36-INCH LF	520.3315 CULVERT PIPE CLASS III-A 15-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.8000 CONCRETE COLLARS FOR PIPES EACH	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	REMARKS
1650-00-77	1	288+35 AP	54.40' RT	1055.34	288+26 AP	77.28' LT	1053.83	1.14%	288+31 AP	-	2	-	-	-	-	77	-	-	-	AUPPERLE RD
					117+80 1A	37' RT			-	-	-	75	-	-	-	-	-	-	-	EXISTING AREA DRAIN
					217+34 1B	24.5' RT			-	-	-	-	19	-	-	-	1	-	-	EXTEND EXISTING CULVERT
		1277+58 WBA	43.9' LT	1076.90	1277+58 WBA	43.0' RT	1075.20	1.96%	1277+58 WBA	-	-	-	-	-	-	-	-	87	2	
									SUBTOTAL STAGE 1	0	2	75	19	0	0	77	1	87	2	
	2	415+98 2A	11.4' LT		415+85 2A	35' RT			415+95 2A	-	-	-	-	48	-	-	1	-	-	EXTEND EXISTING CULVERT
		612+92 2B	30' RT						612+94 2B	-	-	-	64	-	-	-	1	-	-	EXTEND EXISTING CULVERT
		1292+49 NBB	36.0' LT	1074.40	1291+58 NBB	39.9' LT	1074.40		1292+00 NBB	-	2	-	-	-	-	91	-	-	-	DRIVEWAY CULVERT
		1279+42 WBA	45.4' LT	1077.78	1279+90 WBA	46.3' LT	1077.58		1279+66 WBA	2	-	-	-	-	49	-	-	-	-	DRIVEWAY CULVERT
		1281+44 WBA	48.2' LT	1074.45	1281+87 WBA	52.1' LT	1074.45		1281+66 WBA	2	-	-	-	-	43	-	-	-	-	DRIVEWAY CULVERT
									SUBTOTAL STAGE 2	4	2	0	64	48	92	91	2	0	0	
	3	311+47 3B	36' RT	1070.90	312+17 3B	36' RT	1070.00		311+80 3B	-	-	70	-	-	-	-	-	-	-	TEMPORARY DRIVEWAY CULVERT
		313+50 3B	45' RT	1076.70	313+50 3B	35' LT	1074.50		313+50 3B	-	-	80	-	-	-	-	-	-	-	TEMPORARY ROADWAY CULVERT
		315+56 3B	28' RT	1071.60	314+90 3B	30' RT	1070.50		315+23 3B	-	-	66	-	-	-	-	-	-	-	TEMPORARY ROADWAY CULVERT
									SUBTOTAL STAGE 3	0	0	216	0	0	0	0	0	0	0	
	5	1285+17 WBA	35.1' RT	1067.33	1284+42 WBA	8	1067.33		1284+79 WBA	-	-	-	-	-	-	79	-	-	-	DRIVEWAY CULVERT
		1289+02 NBB	38.1' RT	1069.94	1288+18 NBB	39.7' RT	1069.94		1288+63 NBB	-	-	-	-	-	-	84	-	-	-	DRIVEWAY CULVERT
									SUBTOTAL STAGE 5	0	0	0	0	0	0	163	0	0	0	
					PROJECT TOTALS					4	4	291	83	48	92	331	3	87	2	

ALL ITEMS ARE CATEGORY 0010.

CONCRETE CURB & GUTTER

STAGE	LOCATION	*415.4100 CONCRETE PAVEMENT JOINT FILLING SY	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	620.0300 CONCRETE MEDIAN SLOPED NOSE LF	REMARKS
2	1279+94 NBA - 1283+30 NBA	104	-	143	-	191	-	-	-	SOUTH SPLITTER ISLAND
	1280+02 NBA LT	-	-	-	-	-	-	-	56	TYPE 1
	1281+87 NBA - 1283+30 NBA	40	-	143	-	-	-	-	-	SOUTH LEG
	1288+00 NBB - 1290+56 NBB	158	-	209	-	298	-	-	-	NORTH SPLITTER ISLAND
	1290+52 NBB LT	-	-	-	-	-	-	-	50	TYPE 1
	1288+00 NBB - 1291+58 NBB	71	-	255	101	-	-	-	-	NORTH LEG
	STAGE 2 SUBTOTAL	373	0	750	101	489	0	0	106	
4	-	50	-	-	-	-	149	-	-	AUPPERLE RD
	1279+96 NBA - 1281+87 NBA	64	-	-	-	190	-	-	-	SOUTH SPLITTER ISLAND
	1281+87 NBA - 1283+93 NBA	87	-	311	-	-	-	-	-	SOUTH SPLITTER ISLAND
	1286+10 WBA - 1286+50 WBA	29	-	104	-	-	-	-	-	EAST SPLITTER ISLAND
	1286+79 NBB - 1288+00 NBB	73	-	262	-	-	-	-	-	NORTH SPLITTER ISLAND
	-	129	120	-	-	-	-	327	-	CENTER ISLAND
	-	217	-	526	-	-	-	210	-	WITHIN RAB AREA
	1291+58 NBB - 1291+83 NBB	12	-	-	-	-	35	-	-	NORTH LEG BUSINESS DW
	10+02 CID LT	-	-	-	-	-	-	-	18	TYPE 2
	10+17 CID LT	-	-	-	-	-	-	-	24	TYPE 2
	10+90 CID LT	-	-	-	-	-	-	-	18	TYPE 2
	11+07 CID LT	-	-	-	-	-	-	-	22	TYPE 2
	12+47 CID LT	-	-	-	-	-	-	-	18	TYPE 2
	12+65 CID LT	-	-	-	-	-	-	-	26	TYPE 2
	STAGE 4 SUBTOTAL	661	120	1203	0	190	184	537	126	
5	1275+05 NBA - 1276+71 NBA	56	-	-	-	-	167	-	-	SOUTH LEG C&G AREA RIGHT
	1279+51 NBA - 1281+87 NBA	55	-	196	44	-	-	-	-	SOUTH LEG C&G AREA, RIGHT
	1282+01 WBA LT	-	-	-	-	-	-	-	80	TYPE 1
	1284+75 WBA - 1286+28 WBA	57	-	-	-	-	-	169	-	EAST LEG C&G AREA, LEFT
	1284+72 WBA - 1286+10 WBA	259	-	278	-	545	-	-	-	EAST SPLITTER ISLAND
	1282+68 WBA - 1286+10 WBA	96	-	344	-	-	-	-	-	EAST LEG C&G AREA, RIGHT
	1288+35 NBB, RT	15	-	52	-	-	-	-	-	C&G AREA AT DRIVEWAY
	-	11	65	-	-	-	-	-	-	CENTER ISLAND
	STAGE 5 SUBTOTAL	549	65	870	44	545	167	169	80	
	PROJECT TOTAL	**1583**	**185**	**2823**	**145**	**1224**	**351**	**706**	**312**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ALL ITEMS ARE CATEGORY 0010.

STORM SEWER PIPE ITEMS

STAGE	ALIGNMENT	FROM STR		TO STR	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	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	REMARKS
1	1279+66 NBA	1.4	-	AEW	-	-	-	1	-	-	-	-	90	
	1279+66 NBA	AEW	-	1.4	-	-	-	1	-	-	-	-	23	
	1281+96 NBA	5.3	-	AEW	-	-	-	-	71	-	-	-	-	22 LF ARE TEMPORARY, INSTALL AEW DURING STAGE 4
	STAGE 1 SUBTOTAL				0	0	0	2	71	0	0	0	113	
2	1280+01 NBA	1.1	-	1.2	-	-	-	-	7	-	-	-	-	
	1280+01 NBA	1.2	-	1.3	-	-	-	-	25	-	-	-	-	
	1280+00 NBA	1.3	-	1.4	-	-	-	-	35	-	-	-	-	
	1281+96 NBA	5.1	-	5.2	-	-	-	-	21	-	-	-	-	
	1281+96 NBA	5.2	-	5.3	-	-	-	-	10	-	-	-	-	
	1285+27 WBA	2.2A	-	2.2	-	-	-	-	-	-	-	12	-	
	1285+38 WBA	2.2	-	2.3	-	-	-	-	-	-	-	21	-	
	1285+33 WBA	2.1	-	2.2	-	-	-	-	-	-	-	10	-	STUB OUT PIPE, COMPLETE DURING STAGE 4
	1285+34 WBA	2.3	-	2.4	-	-	-	-	-	-	-	7	-	
	1285+39 WBA	2.4	-	2.5	-	-	-	-	-	-	-	22	-	
	1285+36 WBA	2.5	-	AEW	-	-	1	-	-	-	-	21	-	
	1285+47 WBA	2.5A	-	2.5	-	-	-	-	11	-	-	-	-	
	STAGE 2 SUBTOTAL				0	0	1	0	109	0	0	93	0	
3	1285+91 WBA	2.1	-	2.2	-	-	-	-	-	-	49	-	-	CONTINUE STUBBED PIPE FROM STAGE 2
	STAGE 3 SUBTOTAL				0	0	0	0	0	0	49	0	0	
4	11+53 CID	4.1A	-	4.1	-	-	-	-	10	-	-	-	-	
	11+63 CID	4.1	-	4.2	-	-	-	-	-	22	-	-	-	
	11+55 CID	4.2A	-	4.2	-	-	-	-	10	-	-	-	-	
	11+62 CID	4.2	-	AEW	-	1	-	-	-	-	32	-	-	
	1281+95 NBA	5.3	-	AEW	1	-	-	-	-	-	-	-	-	REMOVE 22 LF OF TEMPORARY PIPE, INSTALL FINAL AEW
	1287+47 NBB	3.1A	-	3.1	-	-	-	-	10	-	-	-	-	
	1287+57 NBB	3.1	-	3.2	-	-	-	-	-	21	-	-	-	
	1287+57 NBB	3.2	-	3.3	-	-	-	-	-	-	18	-	-	
	1287+67 NBB	3.3	-	3.4	-	-	-	-	-	-	22	-	-	
	1287+70 NBB	3.4	-	AEW	-	-	-	-	-	-	-	17	-	
	1287+80 NBB	3.4A	-	3.4	-	-	1	-	11	-	-	-	-	
	STAGE 3 SUBTOTAL				1	1	1	0	41	43	72	17	0	
	PROJECT TOTAL				**1**	**1**	**2**	**2**	**221**	**43**	**121**	**110**	**113**	

ALL ITEMS ARE CATEGORY 0010.

STORM SEWER STRUCTURE ITEMS

STAGE	STATION	LT/RT	STRUCTURE NUMBER	611.0430 RECONSTRUCTING INLETS EACH	611.062 INLET COVERS TYPE H EACH	611.063 INLET COVERS TYPE HM EACH	611.064 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2 x 2.5-FT EACH	611.3230 INLETS 2 x 3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.01 INLET COVERS FLAT TEMPORARY EACH	SPV.0060.04 INLETS 6-FT DIAMETER EACH	REMARKS
1	1279+66 NBA	19.0' RT	1.4	-	1	-	-	-	-	-	-	-	1	-	1	INSTALL FINAL COVER DURING STAGE 5
	1281+96 NBA	11.21' LT	5.3	-	1	-	-	-	-	-	1	-	1	-	-	INSTALL FINAL COVER DURING STAGE 4
	117+80 1A	37' RT	EXIST	1	-	-	-	-	-	-	-	-	1	-	-	EXISTING AREA DRAIN
	STAGE 1 SUBTOTAL			1	2	0	0	0	0	0	1	0	3	0	1	
2	1280+01 NBA	12.0' LT	1.1	-	-	1	-	-	-	-	1	-	1	-	-	INSTALL FINAL COVER DURING STAGE 4
	1280+01 NBA	5.3' LT	1.2	-	-	1	-	-	-	-	1	-	-	-	-	
	1280+00 NBA	19.5' RT	1.3	-	1	-	-	-	-	-	1	-	1	-	-	INSTALL FINAL COVER DURING STAGE 5
	1281+96 NBA	19.5' RT	5.1	-	1	-	-	-	-	-	1	-	-	-	-	
	1281+96 NBA	1.5' LT	5.2	-	1	-	-	-	-	-	1	-	-	-	-	
	1285+27 WBA	19.5' RT	2.2A	-	1	-	-	-	-	-	1	-	-	1	-	INSTALL FINAL COVER DURING STAGE 5
	1285+38 WBA	19.5' RT	2.2	-	1	-	-	-	-	-	-	-	-	1	1	INSTALL FINAL COVER DURING STAGE 5
	1285+34 WBA	1.5' LT	2.3	-	1	-	-	-	-	-	1	-	-	1	-	INSTALL FINAL COVER DURING STAGE 5
	1285+39 WBA	7.7' LT	2.4	-	1	-	-	-	-	-	1	-	-	1	-	INSTALL FINAL COVER DURING STAGE 5
	1285+37 WBA	28.8' LT	2.5	-	1	-	-	-	-	-	-	-	-	1	1	INSTALL FINAL COVER DURING STAGE 5
	1285+47 WBA	28.2' LT	2.5A	-	1	-	-	-	-	-	1	-	-	1	-	INSTALL FINAL COVER DURING STAGE 5
	STAGE 2 SUBTOTAL			0	9	2	0	0	0	0	9	0	2	6	2	
3	1285+91 WBA	46.4' RT	2.1	-	-	-	2	-	-	-	-	1	-	-	-	
	STAGE 3 SUBTOTAL			0	0	0	2	0	0	0	0	1	0	0	0	
4	11+53 CID	1.7' RT	4.1A	-	-	-	-	1	-	1	-	-	-	-	-	
	11+63 CID	1.7' RT	4.1	-	-	-	-	1	-	1	-	-	-	-	-	
	11+55 CID	19.5' LT	4.2A	-	1	-	-	-	-	-	1	-	-	-	-	
	11+62 CID	19.5' LT	4.2	-	1	-	-	-	1	-	-	-	-	-	-	
	1287+47 NBB	19.5' RT	3.1A	-	1	-	-	-	-	-	1	-	-	-	-	
	1287+57 NBB	19.5' RT	3.1	-	1	-	-	-	-	-	1	-	-	-	-	
	1287+57 NBB	1.5' LT	3.2	-	1	-	-	-	1	-	-	-	-	-	-	
	1287+67 NBB	14.1' LT	3.3	-	1	-	-	-	1	-	-	-	-	-	-	
	1287+70 NBB	35' LT	3.4	-	1	-	-	-	1	-	-	-	-	-	-	
	1287+80 NBB	34.5' LT	3.4A	-	1	-	-	-	-	-	1	-	-	-	-	
	STAGE 3 SUBTOTAL			0	8	0	0	2	4	2	4	0	0	0	0	
	PROJECT TOTAL			**1**	**19**	**2**	**2**	**2**	**4**	**2**	**14**	**1**	**5**	**6**	**3**	

ALL ITEMS ARE CATEGORY 0010.

EROSION CONTROL ITEMS

STAGE	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATONS EMERGENCY EROSION CONTROL EACH	645.0120 GEOTEXTILE TYPE HR SY
1	ENTIRE PROJECT	-	-	5027	10054	-	-	-	-	-	-	-	-	-
	ENTIRE PROJECT	-	-	-	-	-	-	-	-	36	36	-	-	-
	ENTIRE PROJECT	-	-	-	-	-	-	-	-	-	-	15	5	-
	1280+01 NBA	LT	-	-	-	-	2	-	-	-	-	-	-	-
	SUBTOTAL STAGE 1		0	5027	10054	0	2	0	0	36	36	15	5	0
2	1280+01 NBA	LT	-	-	-	-	-	2	-	-	-	-	-	-
	1285+23 WBA	RT	-	-	-	-	1	-	-	-	-	-	-	-
	1285+33 WBA	LT & RT	-	-	-	-	2	-	-	-	-	-	-	-
	1285+37 WBA	LT	14	-	-	-	1	-	-	-	-	-	-	37
	1285+38 WBA	LT	-	-	-	-	1	-	-	-	-	-	-	-
	1285+48 WBA	LT	-	-	-	-	1	-	-	-	-	-	-	-
	SUBTOTAL STAGE 2		14	0	0	0	6	2	0	0	0	0	0	37
3	11+52 CID	RT	-	-	-	-	1	-	-	-	-	-	-	-
	11+54 CID	LT	-	-	-	-	-	1	-	-	-	-	-	-
	11+62 CID	LT	-	-	-	-	-	1	-	-	-	-	-	-
	11+63 CID	RT	-	-	-	-	1	-	-	-	-	-	-	-
	1287+47 NBB	RT	-	-	-	-	-	1	-	-	-	-	-	-
	1287+57 NBB	LT & RT	-	-	-	-	-	2	-	-	-	-	-	-
	1287+67 NBB	LT	-	-	-	-	-	1	-	-	-	-	-	-
	1287+70 NBB	LT	-	-	-	-	-	1	-	-	-	-	-	-
	1287+80 NBB	LT	-	-	-	-	-	1	-	-	-	-	-	-
	SUBTOTAL STAGE 3		0	0	0	0	2	8	0	0	0	0	0	0
4	1279+55 NBA	LT	7	-	-	-	-	-	-	-	-	-	-	29
	1287+74 NBB	LT	14	-	-	-	-	-	-	36	36	-	-	29
	SUBTOTAL STAGE 1		21	0	0	0	0	0	0	36	36	0	0	58
5	ENTIRE PROJECT	-	-	-	-	38113	-	-	60	-	-	-	-	
	SUBTOTAL STAGE 5		0	0	0	38113	0	0	60	0	0	0	0	0
	UNDISTRIBUTED	-	-	1257	-	9529	-	-	15	9	9	-	-	-
	PROJECT TOTAL		**35**	**6284**	**10054**	**47642**	**10**	**10**	**75**	**81**	**81**	**15**	**5**	**95**

PIPE UNDERDRAIN WRAPPED

SPV.0090.01
PIPE UNDERDRAIN (6-INCH)
WITH GEOTEXTILE FABRIC
AND AGGREGATE

STAGE	STATION	LT/RT	LF	REMARKS
5	11+25 CID - 11+51 CID	RT	25	TO INLET 4.1A
	11+64 CID - 12+00 CID	RT	33	TO INLET 4.1
	11+61 CID - 12+04 CID	LT	56	TO INLET 4.2
	SUBTOTAL STAGE 5		114	
	PROJECT TOTALS		114	

TOPSOIL, SALVAGED TOPSOIL, FERTILIZER, AND SEEDING

STATION - STATION	SEED AREA SF	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
ENTIRE PROJECT	327689	9283	27128	38113	23	818	110	984	610
UNDISTRIBUTED QTY		2321	6782	9529	6	205	28	246	153
PROJECT TOTALS		**11604**	**33910**	**47642**	**29**	**1023**	**138**	**1230**	**763**

ALL ITEMS ARE CATEGORY 0010.

PERMANENT SIGNING

SIGN NUMBER	STATION	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH, 14-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH, 18-FT (EACH)	634.0812 POSTS TUBULAR STEEL 2X2-INCH, 12-FT (EACH)	634.0814 POSTS TUBULAR STEEL 2X2-INCH, 14-FT (EACH)	634.0816 POSTS TUBULAR STEEL 2X2-INCH, 16-FT (EACH)	REMARKS
01	1271+02 NBA	RT	J1-1	REASSURANCE ASSEMBLY	24" X 45"	7.50	-	1	-	-	-	-	USH 61, SOUTH LEG
02	1273+02 NBA	RT	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	1	-	-	-	-	USH 61, SOUTH LEG
03			W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	
04	1275+02 NBA	RT	D1-62	ROUNDABOUT TYPICAL TYPE 2	96" x 78"	52.00	-	-	2	-	-	-	USH 61, SOUTH LEG
05	1277+82 NBA	RT	D1-2	DESTINATION	78" x 30"	16.25	-	2	-	-	-	-	LANCASTER/PLATTEVILLE
06	1280+04 NBA	LT	R4-7	KEEP RIGHT SYMBOL	24" X 30"	5.00	-	1	-	-	-	-	USH 61, SOUTH LEG
07			W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	
40	1280+04 NBA	LT	R5-1	DO NOT ENTER	30" X 30"	6.25	-	1	-	-	-	-	USH 61, SOUTH LEG
08	1281+40 NBA	LT	D1-1	DESTINATION	84" x 15"	8.75	-	2	-	-	-	-	AUPPERLE RD
43	1281+40 NBA	LT	R5-1A	WRONG WAY	36" X 24"	6.00	-	-	-	-	-	-	USH 61, SOUTH LEG
09	1283+86 NBA	LT	D1-2	EXIT GUIDE SIGNS	72" X 30"	15.00	-	-	-	-	-	2	USH 61, SOUTH LEG
10	1283+93 NBA	LT	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	1	USH 61, SOUTH LEG
11	1284+02 NBA	RT	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	1	-	USH 61, SOUTH LEG
12	1286+87 NBB	LT	D1-3	EXIT GUIDE SIGNS	90" X 30"	18.75	-	-	-	-	-	2	USH 61, NORTH LEG
13	1286+95 NBB	LT	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	1	USH 61, NORTH LEG
14	1287+03 NBB	LT	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	1	-	USH 61, NORTH LEG
44	1289 NBB	RT	R5-1A	WRONG WAY	36" X 24"	6.00	-	1	-	-	-	-	USH 61, NORTH LEG
15	1290+51 NBB	LT	R4-7	KEEP RIGHT SYMBOL	24" X 30"	5.00	-	1	-	-	-	-	USH 61, NORTH LEG
16			W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	
41	1290+51 NBB	RT	R5-1	DO NOT ENTER	30" X 30"	6.25	-	1	-	-	-	-	USH 61, NORTH LEG
17	1291+05 NBB	LT	D1-3	DESTINATION	78" x 36"	19.50	-	2	-	-	-	-	3 DESTINATIONS
18	1295+92 NBB	LT	D1-62	ROUNDABOUT TYPICAL TYPE 2	78" X 78"	42.25	-	-	2	-	-	-	USH 61, NORTH LEG
19	1297+92 NBB	LT	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	1	-	-	-	-	USH 61, NORTH LEG
20			W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	
21	1299+06 NBB	RT	D2-3	DESTINATION/MILEAGE	114" X 36"	28.50	-	2	-	-	-	-	USH 61, NORTH LEG
22	1299+92 NBB	LT	J1-1	REASSURANCE ASSEMBLY	J1-1	7.50	-	2	-	-	-	-	USH 61, NORTH LEG
23	1273+56 WBA	RT	J1-1	REASSURANCE ASSEMBLY	J1-1	7.50	-	1	-	-	-	-	STH 81, EAST LEG
24	1275+53 WBA	LT	D2-1	DESTINATION/MILEAGE	78" x 15"	8.13	-	2	-	-	-	-	PLATTEVILLE
25	1275+56 WBA	RT	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	1	-	-	-	-	STH 81, EAST LEG
26			W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	
27	1277+56 WBA	RT	D1-62	ROUNDABOUT TYPICAL TYPE 2	126" X 60"	52.50	-	-	2	-	-	-	STH 81, EAST LEG
28	1282+05 WBA	LT	R4-7	KEEP RIGHT SYMBOL	24" X 30"	5.00	-	1	-	-	-	-	STH 81, EAST LEG
29			W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	
42	1282+05 WBA	LT	R5-1	DO NOT ENTER	30" X 30"	6.25	-	1	-	-	-	-	STH 81, EAST LEG
30	1282+10 WBA	RT	D1-2	DESTINATION	72" x 30"	15.00	-	2	-	-	-	-	DUBUQUE/LANCASTER
45	1284+00 WBA	LT	R5-1A	WRONG WAY	36" X 24"	6.00	-	1	-	-	-	-	STH 81, EAST LEG
31	1286+40 WBA	LT	D1-1	EXIT GUIDE SIGNS	42" X 30"	26.00	-	-	-	-	-	2	STH 81, EAST LEG
32	1286+47 WBA	LT	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	1	STH 81, EAST LEG
33	1286+56 WBA	RT	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	1	-	STH 81, EAST LEG
34	10+64 CID	RT	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	2	-	-	CENTER ISLAND
35			R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	
36	12+17 CID	RT	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	2	-	-	CENTER ISLAND
37			R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	
38	13+26 CID	RT	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	2	-	-	CENTER ISLAND
39			R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	
				PROJECT TOTALS		**440.00**	**33.00**	**27**	**6**	**6**	**3**	**9**	

ALL ITEMS ARE CATEGORY 0010.

3

MOVING & REMOVING SIGNS

STAGE	STATION	LT/RT	MESSAGE	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	105+24 1A	LT	DESTINATION/MILEAGE	1	-	-	USH 61 SOUTH LEG, SHIFT OUTSIDE TEMP AREA
	107+75 1A	LT	ADOPT A HIGHWAY	1	-	-	USH 61 SOUTH LEG, REUSE IN FINAL
	108+50 1A	LT	STOP SIGN	1	-	-	USH 61 SOUTH LEG, REUSE IN FINAL
	114+15 1A	LT	DESTINATION/ARROW	-	1	1	USH 61 SOUTH LEG
	114+15 1A	LT	DO NOT ENTER	-	1	1	SAME POST AS SIGN BEING REUSED
	116+24 1A	LT	ROUTE ASSEMBLY	1	-	-	SOUTH 61/35
	117+47 1A	LT	ONE WAY	-	1	1	WITHIN INTERSECTION
	117+51 1A	LT	ROUTE ASSEMBLY	1	-	-	SOUTH 61/35, DIRECTIONAL ARROWS
	218+10 1B	RT	STOP SIGN	1	-	-	STOP SIGN ON STH 81
	218+60 1B	RT	YEILD	-	1	1	
	2018+60 1B	RT	ROUTE ASSEMBLY	1	-	-	EAST 81, DIRECTIONAL ARROW
	117+90 1A	LT	DO NOT ENTER	-	1	1	
	119+93 1A	RT	ONE WAY	-	1	1	USH 61 NORTH LEG
	121+28 1A	RT	ONE WAY	-	1	1	USH 61 NORTH LEG
	121+89 1A	LT	DO NOT ENTER	-	1	1	USH 61 NORTH LEG
	124+88 1A	LT	DO NOT ENTER	-	1	1	USH 61 NORTH LEG
	125+40 1A	RT	ROUTE ASSEMBLY	-	1	1	EAST 81, DIRECTIONAL ARROW
	126+40 1A	LT	ROUTE ASSEMBLY	-	1	1	EAST 81, SOUTH 61/35, DIRECTIONAL ARROWS
	127+95 1A	RT	KEEP RIGHT	-	1	1	
	205+40 1B	RT	ROUTE ASSEMBLY	-	1	1	NORTH 35/61, WEST 81, DIRECTIONAL ARROWS
	207+38 1B	RT	ROUTE ASSEMBLY	-	1	1	SOUTH 35/61, DIRECTIONAL ARROWS
	209+38 1B	RT	ROUTE ASSEMBLY/STOP AHEAD	-	1	1	SOUTH 35/61, STOP AHEAD
	211+12 1B	RT	DESTINATION/ARROW	1	-	-	STH 81 EAST LEG
	216+38 1B	RT	ROUTE ASSEMBLY	1	1	1	SOUTH 61/35, DIRECTIONAL ARROWS
			SUBTOTAL STAGE 1	9	16	16	
2	406+83 2A	RT	ROUTE ASSEMBLY	1	-	-	SHIFT RT, OUTSIDE TEMP PAVT AREA, ADD NEW ARROW
	410+05 2A	RT	DESTINATION/ARROW	1	-	-	USH 61 SOUTH LEG, SHIFT OUTSIDE TEMP AREA
	412+65 2A	RT	RAMP SPEED LIMIT	-	1	1	USH 61 SOUTH LEG
	414+06 2A	RT	ROUTE ASSEMBLY	1	1	1	MOVE & REUSE 'EAST 81' WITHIN STAGE
	414+37 2A	LT	KEEP RIGHT SYMBOL	-	1	1	WITHIN EXISTING ISLAND
	416+22 2A	LT	DO NOT ENTER	-	1	1	USH 61 SOUTH LEG
	116+91 1A	RT	YEILD	-	1	1	
	117+50 1A	LT	ROUTE ASSEMBLY	1	-	-	SOUTH 61/35, DIRECTIONAL ARROWS
	118+05 1A	LT	ROUTE ASSEMBLY	1	-	-	SOUTH 61/35
	118+05 1A	LT	ROUTE ASSEMBLY	1	-	-	EAST 81, DIRECTIONAL ARROW
	122+82 1A	RT	ONE WAY	-	1	1	
	124+55 1A	RT	ROUTE ASSEMBLY	1	-	-	NORTH 61/35 & WEST 81
	125+38 1A	RT	RIGHT LANE ENDS	-	2	2	
	129+92 1A	RT	WRONG WAY	-	1	1	
	129+92 1A	RT	DESTINATION/MILEAGE	1	-	-	USH 61 NORTH LEG

CONTINUED

3

MOVING & REMOVING SIGNS

STAGE	STATION	LT/RT	MESSAGE	638.21 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
2	602+28 2B	LT	DESTINATION/MILEAGE	1	-	-	STH 81, EAST LEG, OUTSIDE TEMP AREA
	130+41 1A	RT	DO NOT ENTER	-	1	1	
	209+48 1B	LT	ADOPT A HIGHWAY	1	-	-	REUSE IN FINAL
	211+29 1B	LT	ROUTE ASSEMBLY	-	1	1	EAST 81
	215+27 1B	LT	DO NOT ENTER	-	1	1	
	215+74 1B	LT	WRONG WAY	-	1	1	
	217+26 1B	LT	ROUTE ASSEMBLY	1	1	1	EAST 81, DIRECTIONAL ARROW
	216+13 1B	RT	ROUTE ASSEMBLY	1	1	1	NORTH 61/35 & WEST 81, DIRECTIONAL ARROWS
	218+08 1B	RT	STOP SIGN	1	-	-	
			SUBTOTAL STAGE 2	13	15	15	
3	116+26 1A	LT	ROUTE ASSEMBLY	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
	117+07 1A	LT	ROUTE ASSEMBLY	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
	611+47 2B	RT	STOP SIGN AHEAD	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
	612+77 2B	RT	LANE DESIGNATION	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
	613+91 2B	RT	STOP SIGN	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
			SUBTOTAL STAGE 3	5	0	0	
4	406+82 2A	RT	DIRECTIONAL ARROWS	-	1	1	SWAP OUT DIRECTIONAL ARROWS ON ROUTE ASSEMBLY
	408+47 2A	LT	STOP SIGN	1	-	-	REUSE IN FINAL
	408+47 2A	LT	STREET SIGNS	1	-	-	REUSE IN FINAL
	414+30 2A	RT	STOP AHEAD	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
	416+64 2A	RT	LANE DESIGNATION	1	-	-	SHIFT TO MATCH NEW INTERSECTION LOCATION
	306+36 3B	RT	ROUTE ASSEMBLY	1	1	1	SWAP OUT DIRECTIONAL ARROWS ON ROUTE ASSEMBLY
	311+35 3B	RT	ROUTE ASSEMBLY	1	-	-	SWAP OUT DIRECTIONAL ARROWS ON ROUTE ASSEMBLY
	312+19 3B	RT	ROUTE ASSEMBLY	1	-	-	MOVE/REUSE SIGNS FROM PREVIOUS STAGE
	312+86 3B	LT	ROUTE ASSEMBLY	1	-	-	SWAP OUT DIRECTIONAL ARROWS ON ROUTE ASSEMBLY
			SUBTOTAL STAGE 4	8	2	2	
5	1291+00 NBA	LT	DESTINATION/ARROW	-	1	1	USH 61 NORTH LEG
			SUBTOTAL STAGE 5	0	1	1	
			PROJECT TOTAL	**35**	**34**	**34**	

ALL ITEMS ARE CATEGORY 0010.

TRAFFIC CONTROL

STAGE	LOCATION	APPROX. SERVICE PERIOD	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0900 TRAFFIC CONTROL SIGNS		643.1050 TRAFFIC CONTROL SIGNS PCMS		NOTES
		DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	
1	PRE-WARN, ENTERING WORK AREA	7	0	0	0	0	0	0	0	0	0	0	3	21	PRE-WARN PRIOR TO CONSTRUCTION START
	101+00 1A - 133+00 1A	31	61	1891	0	0	0	0	0	0	1	31	0	0	
	201+00 1B - 218+90 1B	31	40	1240	0	0	0	0	0	0	1	31	0	0	
	SUBTOTAL STAGE 1			3131		0		0		0		62		21	
2	VARIES	21	0	0	0	0	0	0	0	0	0	0	1	21	NEW TRAFFIC PATTERN
	101+00 1A - 133+00 1A	62	69	4278	5	310	8	496	25	1550	27	1674	0	0	
	201+00 1B - 218+90 1B	62	35	2170	2	124	4	248	0	0	12	744	1	62	
	SUBTOTAL STAGE 2			6448		434		744		1550		2418		62	
3	101+00 1A - 133+00 1A	42	72	3024	5	210	8	336	25	1050	28	1176	0	0	
	600+00 2B - 614+00 2B	42	28	1176	3	126	4	168	9	378	12	504	0	0	
	SUBTOTAL STAGE 3			4200		336		504		1428		1680		0	
4	VARIES	21	0	0	0	0	0	0	0	0	0	0	3	63	NEW TRAFFIC PATTERN
	402+00 2A - 418+00 2A	64	28	1792	4	256	4	256	0	0	14	896	0	0	
	302+00 3B - 328+00 3B	64	52	3328	2	128	4	256	19	1216	27	1728	0	0	
	AUPPERLE RD	64	0	0	5	320	8	512	0	0	6	384	0	0	ROAD CLOSED, SDD 15C02
	SUBTOTAL STAGE 4			5120		704		1024		1216		3008		63	
5	5A	27	22	594	0	0	0	0	0	0	0	0	0	0	SHOULDER CLOSURE
	5B-SOUTH & NORTH LEG WORK	27	19	513	2	54	0	0	0	0	2	54	0	0	SDD 15D37, FLAGGING
	5C- EAST LEG WORK	27	5	135	4	108	0	0	0	0	4	108	0	0	SDD 15D37, FLAGGING
	5D- EAST LEG WORK	27	10	270	6	162	0	0	0	0	6	162	0	0	SDD 15D37, FLAGGING
	SUBTOTAL STAGE 5			1512		324		0		0		324		0	
	OVERALL PROJECT AREA	233	0	0	0	0	0	0	0	0	28	6524	0	0	IN-PLACE ENTIRE DURATION OF PROJECT
				0		0		0		0		6524		0	
	PROJECT TOTALS			20411		1798		2272		4194		14016		146	

ALL ITEMS ARE CATEGORY 0010.

PAVEMENT MARKING

STATION - STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH SKIPS (3') WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.5120 EPOXY WORDS WHITE EACH	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
1276+49 NBA - 1283+49 NBA	RT	870	-	-	-	-	-	870	-	-	-	-	EDGELINE
1276+49 NBA - 1282+21 NBA	LT	483	-	-	-	-	-	483	-	-	-	-	EDGELINE
1276+81 NBA - 1278+03 NBA	LT	-	-	31	-	-	-	31	-	-	-	-	SKIPS (3')
1282+21 NBA - 1283+38 NBA	LT	-	-	30	-	-	-	30	-	-	-	-	SKIPS (3')
1282+84 NBA - 1283+31 NBA	RT	-	-	12	-	-	-	12	-	-	-	-	SKIPS (3')
1274+85 NBA - 1283+88 NBA	LT/RT	-	2,417	-	-	-	-	2417	-	121	56	1	SOUTH LEG SPLIT/ISLAND
1283+87 NBA - 1284+02 NBA	LT/RT	-	-	-	87	1	18	0	87	-	-	-	SOUTH ISLAND/ENTRANCE
1288+30 NBB - 1306+52 NBB	RT	1,978	-	-	-	-	-	1978	-	-	-	-	EDGELINE
1288+15 NBB - 1306+52 NBB	LT	2,002	-	-	-	-	-	2002	-	-	-	-	EDGELINE
1287+08 NBB - 1288+30 NBB	RT	-	-	31	-	-	-	31	-	-	-	-	SKIPS (3')
1287+41 NBB - 1288+15 NBB	LT	-	-	19	-	-	-	19	-	-	-	-	SKIPS (3')
1286+86 NBB - 1306+52 NBB	LT/RT	-	4,695	-	-	-	-	4695	-	96	56	1	NORTH LEG SPLIT/ISLAND
1286+67 NBB - 1287+04 NBB	LT/RT	-	-	-	91	1	17	0	91	-	-	-	NORTH ISLAND/ENTRANCE
1275+58 WBA - 1285+41 WBA	RT	983	-	-	-	-	-	983	-	-	-	-	EDGELINE
1275+58 WBA - 1284+48 WBA	LT	883	-	-	-	-	-	883	-	-	-	-	EDGELINE
1284+48 WBA - 1285+75 WBA	LT	-	-	32	-	-	-	32	-	-	-	-	SKIPS (3')
1285+41 WBA - 1286+08 WBA	RT	-	-	17	-	-	-	17	-	-	-	-	SKIPS (3')
1275+58 WBA - 1286+43 WBA	LT/RT	-	2,740	-	-	-	-	2740	-	91	61	1	EAST LEG SPLIT/ISLAND
1286+35 WBA - 1286+55 WBA	LT/RT	-	-	-	81	1	16	0	81	-	-	-	EAST ISLAND/ENTRANCE
PROJECT TOTAL		**17,223**			**259**	**3**	**51**	**17,223**	**259**	**308**	**173**	**3**	

ALL ITEMS ARE CATEGORY 0010.

TEMPORARY MARKING ITEMS

STAGE	STATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH SOLID WHITE LF	643.3105 SOLID YELLOW LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SOLID WHITE LF	643.3150 SOLID YELLOW LF	643.3205 TEMPORARY MARKING LINE PAINT 8-INCH WHITE LF	643.3250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE LF	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH SOLID WHITE LF	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	REMARKS
1	109+36 1A - 132+00 1A	2287	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINES
	208+20 1B - 215+88 1B	772	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINES
	216+19 1B - 218+26 1B	197	-	-	-	-	-	-	-	-	-	-	WHITE EDGELINES
	120+00 1A - 130+65 1A	991	-	-	-	-	-	-	-	-	-	-	YELLOW EDGELINES
	SUBTOTAL STAGE 1	4247	0	0	0	0	0	0	0	0	0	0	
2	101+00 1A - 107+50 1A	-	-	-	523	-	522	1504	-	-	-	1760	WHITE EDGELINE & YELLOW CENTERLINE
	107+50 1A - 132+00 1A	-	-	-	4805	4744	-	-	329	-	-	-	WHITE EDGELINE & YELLOW CENTERLINE
	117+70 1A - 122+44 1A	-	475	-	-	-	-	-	-	-	-	-	TURN LANE MARKING, 8-INCH
	202+00 1B - 206+50 1B	-	-	-	-	-	440	880	-	-	-	-	WHITE EDGELINE & YELLOW CENTERLINE
	206+50 1B - 218+90 1B	-	-	-	2702	2436	-	-	-	-	24	-	WHITE EDGELINE & YELLOW CENTERLINE
	217+60 1B - 218+53 1B	-	-	-	-	-	-	-	88	-	-	-	TURN LANE MARKING, 8-INCH
	129+75 1A - 131+05 1A	180	-	-	-	-	-	-	-	-	-	-	YELLOW GORE LINES
	202+00 1B - 208+12 1B	1838	-	-	-	-	-	-	-	-	-		EDGELINES & CENTERLINE
	208+12 1B - 218+25 1B	1995	-	-	-	-	-	-	-	-	-	-	YELLOW CENTERLINES
	214+60 1B - 216+32 1B	332	-	-	-	-	-	-	-	-	-	-	WHITE GORE LINES
	117+75 1A - 120+50 1A	-	-	2	-	-	-	-	-	-	-	-	TURN LANE ARROWS
	SUBTOTAL STAGE 2	4345	475	2	8030	7180	962	2384	417	0	24	1760	
3	117+00 1A - 118+50 1A	-	-	-	-	160	-	-	210	-	-	-	CENTERLINE & TURN LANE
	600+00 2B - 614+00 2B	-	-	-	1618	221	1300	2599	105	-	40	-	:DGELINE, CENTERLINE, LANE DESIGNATION
	600+43 2B - 602+25 2B	-	-	-	-	-	-	-	-	-	-	266	WHITE EDGELINE
	SUBTOTAL STAGE 3	0	0	0	1618	381	1300	2599	315	0	40	266	
4	402+00 2A - 414+00 2A	-	-	-	1169	-	1171	2342	-	-	-	-	WHITE EDGELINE & YELLOW CENTERLINE
	414+00 2A - 418+00 2A	-	-	-	751	774	-	-	82	-	50	-	:DGELINE, CENTERLINE, LANE DESIGNATION
	300+00 3B - 308+50 3B	-	-	-	-	-	1070	1717	-	-	-	-	WHITE EDGELINE & YELLOW CENTERLINE
	308+50 3B - 315+50 3B	-	-	-	1295	1230	-	-	209	76	-	-	:DGELINE, CENTERLINE, LANE DESIGNATION
	315+50 3B - 324+00 3B	-	-	-	-	-	1638	1636	-	-	-	-	WHITE EDGELINE & YELLOW CENTERLINE
	402+00 2A - 407+50 2A	-	-	-	-	-	-	-	-	-	-	520	WHITE EDGELINE
	SUBTOTAL STAGE 4	0	0	0	3215	2004	3879	5695	291	76	50	520	
	PROJECT TOTALS	**8592**	**475**	**2**	**22428**		**16819**		**1023**	**76**	**114**	**2546**	

ALL ITEMS ARE CATEGORY 0010.

CONSTRUCTION STAKING

STAGE	STATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (1650-00-77) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	SPV.0060.02 CONSTRUCTION STAKING ROUNDABOUT USH 61/STH 81 EACH	NOTES
1	288+31 AP	2	-	-	-	1	-	-	-	-	CP & ENDWALLS
	1280+01 NBA, LT	2	-	-	-	-	-	-	-	-	INLET
	117+80 1A, RT	1	-	-	-	1	-	-	-	-	RECONSTRUCT INLET/EXTEND
	101+73 1A - 130+63 1A	-	4394	4394	-	-	-	-	4461	-	TEMP PAVEMENT
	217+34 1B, RT	-	-	-	-	1	-	-	-	-	EXTEND CULVERT
	SUBTOTAL STAGE 1	5	4394	4394	0	3	0	0	4461	0	
2	VARIES	6	-	-	-	-	-	-	-	-	INLETS
	1292+00 NBB, LT	2	-	-	-	-	-	-	-	-	ENDWALLS
	402+30 2A - 417+19 2A	-	2789	2789	-	-	-	-	2894	-	TEMP PAVEMENT
	415+98 2B, LT	-	-	-	-	1	-	-	-	-	EXTEND CULVERT
	612+95 2B, RT	-	-	-	-	1	-	-	-	-	EXTEND CULVERT
	SOUTH LEG	-	509	509	-	-	-	-	-	-	SOUTH LEG, OUTSIDE ISLANDS
	NORTH LEG	-	486	486	101	-	-	-	486	-	NORTH LEG, OUTSIDE ISLANDS
	EAST LEG	-	638	638	-	-	-	-	-	-	EAST LEG, OUTSIDE ISLANDS
	SUBTOTAL STAGE 2	8	4422	4422	101	2	0	0	3380	0	
3	310+21 3B - 317+44 3B	-	723	723	-	-	-	-	723	-	TEMP PAVEMENT
	417+86 2A, LT	1	-	-	-	-	-	-	-	-	TEMP STORM EXTENSION
	313+49 3B	-	-	-	-	1	-	-	-	-	TEMP CULVERT
	EAST LEG	-	638	638	-	-	-	-	638	-	EAST LEG, OUTSIDE ISLANDS
	SUBTOTAL STAGE 3	1	1361	1361	0	1	0	0	1361	0	
4	1295+41 NBB - 1306+52 NBB	-	-	-	-	-	1111	-	1594	-	NORTH LEG
	1291+74 NBB, LT	-	-	-	35	-	-	-	-	-	DW CURB & GUTTER
	AUPPERLE RD	-	106	106	149	-	-	-	286	-	AUPPERLE RD
	SOUTH LEG	-	509	509	-	-	-	-	947	-	SOUTH LEG, OUTSIDE ISLANDS
	VARIES	10	-	-	-	-	-	-	-	-	INLETS
	SUBTOTAL STAGE 4	10	615	615	184	0	1111	0	2827	0	
5	1275+04 NBA - 1276+71 NBA, RT	-	-	-	167	-	-	-	-	-	
	1279+51 NBA - 1279+94 NBA, RT	-	-	-	43	-	-	-	-	-	
	1285+91 WBA, RT	1	-	-	-	-	-	-	-	-	INLET
	SOUTH & EAST LEG	-	-	-	-	-	-	-	1131	-	
	SUBTOTAL STAGE 5	1	0	0	0	0	0	0	1131	0	
	PROJECT	-	-	-	-	-	-	1	-	1	
	PROJECT TOTALS	25	10792	10792	285	6	1111	1	13160	1	

ALL ITEMS ARE CATEGORY 0010.

SAWCUT

STAGE	STATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
2	107+50 1A - 114+00 1A	678	-	
	206+00 1B - 217+00 1B	1086	-	
	SPLITTER ISLAND	20	9	ISLAND
	1295+42 NBB	40	-	MAINLINE
	1279+62 WBA	21	-	DRIVEWAY
	1281+64 WBA	17	-	DRIVEWAY
	SUBTOTAL STAGE 2	1862	9	
3	1277+50 WBA	24	-	MAINLINE
	SUBTOTAL STAGE 3	24	0	
4	287+10 AP	21	-	MAINLINE
	1274+85 NBA	20	-	MAINLINE
	1288+66 NBB	31	-	OLD EXIST ROADWAY
	1292+93 NBB	16	-	OLD EXIST ROADWAY
	1306+52 NBB	20	-	MAINLINE
	1299+56 NBB - 1303+15 NBB	359	-	RESURFACE SECTION
	1269+07 NBA - 1274+84 NBA	581	-	REMOVE TEMP PAVT
	119+51 1A - 123+72 1A	388	-	REMOVE TEMP PAVT
	SUBTOTAL STAGE 4	1436	0	
5	1284+85 WBA	40	-	DRIVEWAY
	1288+63 NBB	35	-	DRIVEWAY
	1269+64 NBA - 1279+94 NBA	1030	-	REMOVE TEMP PAVT
	1288+38 NBB - 1290+74 NBB	236	-	REMOVE TEMP PAVT
	1274+16 WBA - 1284+76 WBA	1060	-	REMOVE TEMP PAVT
	SUBTOTAL STAGE 5	2401	0	
	PROJECT TOTAL	**5723**	**9**	

Pull Boxes

Category	Station	Dir	Location	653.0164 Pull Boxes Non-Conductive 24x42-Inch EACH	Description
0010	1286 81-NB Entry + 48	RIGHT	30	1	PB1
0010	1286 61&81 + 68	RIGHT	26	1	PB2
0010	1286 61&81 + 96	LEFT	18	1	PB3
0010	1287 61&81 + 16	LEFT	60	1	PB4
0010	1287 61&81 + 55	LEFT	43	1	PB5
0010	1288 61&81 + 93	LEFT	38	1	PB6
0010	1290 61&81 + 45	LEFT	37	1	PB7
0010	1286 61&81 + 86	LEFT	102	1	PB8
0010	1283 61 + 81	LEFT	74	1	PB9
0010	1283 61 + 84	LEFT	23	1	PB10
0010	1283 61 + 93	RIGHT	35	1	PB11
0010	1281 61 + 77	RIGHT	26	1	PB12
0010	1280 61 + 4	RIGHT	26	1	PB13
0010	1286 81-NB Entry + 21	LEFT	56	1	PB14
0010	1286 81-NB Entry + 31	LEFT	9	1	PB15
0010	1286 81-NB Entry + 34	RIGHT	28	1	PB16
0010	1285 81-NB Entry + 65	RIGHT	26	1	PB17
0010	1283 81-NB Entry + 85	RIGHT	26	1	PB18
0010	1282 81-NB Entry + 7	RIGHT	25	1	PB19
		Total		**19**	

Lighting Bases

Category	Station	Dir	Location	654.0105 Concrete Bases Type 5 EACH	Description
0010	13 CR NE RAB + 85	RIGHT	6	1	LB1
0010	1286 61&81 + 78	RIGHT	23	1	LB2
0010	1287 61&81 + 60	LEFT	40	1	LB3
0010	1288 61&81 + 98	LEFT	37	1	LB4
0010	1290 61&81 + 56	LEFT	36	1	LB5
0010	1286 61&81 + 86	LEFT	96	1	LB6
0010	1283 61 + 85	LEFT	76	1	LB7
0010	1283 61 + 64	RIGHT	28	1	LB8
0010	1281 61 + 72	RIGHT	24	1	LB9
0010	1279 61 + 95	RIGHT	24	1	LB10
0010	1286 81-NB Entry + 27	LEFT	59	1	LB11
0010	1285 81-NB Entry + 55	RIGHT	24	1	LB12
0010	1283 81-NB Entry + 80	RIGHT	24	1	LB13
0010	1281 81-NB Entry + 98	RIGHT	23	1	LB14
		Total		**14**	

Electrical Conduit

Category	Station	to	Station	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch LF	Description
0010	1286 81-NB Entry + 38	to	1286 81-NB Entry + 48		18	LC1 to PB1
0010	1286 81-NB Entry + 48	to	13 CR NE RAB + 85	10		PB1 to LB1
0010	1286 81-NB Entry + 48	to	1286 61&81 + 68	79		PB1 to PB2
0010	1286 61&81 + 68	to	1286 61&81 + 78	10		PB2 to LB2
0010	1286 61&81 + 68	to	1286 61&81 + 96	52		PB2 to PB3
0010	1286 61&81 + 96	to	1287 61&81 + 16	46		PB3 to PB4
0010	1287 61&81 + 16	to	1287 61&81 + 55	43		PB4 to PB5
0010	1287 61&81 + 55	to	1287 61&81 + 60	6		PB5 to LB3
0010	1287 61&81 + 55	to	1288 61&81 + 93	138		PB5 to PB6
0010	1288 61&81 + 93	to	1288 61&81 + 98	6		PB6 to LB4
0010	1288 61&81 + 93	to	1290 61&81 + 45	150		PB6 to PB7
0010	1290 61&81 + 45	to	1290 61&81 + 56	11		PB7 to LB5
0010	1287 61&81 + 16	to	1286 61&81 + 86	51		PB4 to PB8
0010	1286 61&81 + 86	to	1286 61&81 + 86	6		PB8 to LB6
0010	1286 61&81 + 86	to	1283 61 + 81	102		PB8 to PB9
0010	1283 61 + 81	to	1283 61 + 85	8		PB9 to LB7
0010	1283 61 + 81	to	1283 61 + 84	51		PB9 to PB10
0010	1283 61 + 84	to	1286 81-NB Entry + 27	98		PB10 to LB11
0010	1283 61 + 93	to	1283 61 + 64	22		PB11 to LB8
0010	1283 61 + 93	to	1281 61 + 77	196		PB11 to PB12
0010	1281 61 + 77	to	1281 61 + 72	6		PB12 to LB9
0010	1281 61 + 77	to	1280 61 + 04	176		PB12 to PB13
0010	1280 61 + 04	to	1279 61 + 95	9		PB13 to LB10
0010	1283 61 + 93	to	1286 81-NB Entry + 21	58		PB11 to PB14
0010	1286 81-NB Entry + 21	to	1286 81-NB Entry + 27	10		PB14 to LB11
0010	1286 81-NB Entry + 21	to	1286 81-NB Entry + 31	48		PB14 to PB15
0010	1286 81-NB Entry + 31	to	1286 81-NB Entry + 34	38		PB15 to PB16
0010	1286 81-NB Entry + 34	to	1285 81-NB Entry + 65	57		PB16 to PB17
0010	1285 81-NB Entry + 65	to	1285 81-NB Entry + 55	10		PB17 to LB12
0010	1285 81-NB Entry + 65	to	1283 81-NB Entry + 85	184		PB17 to PB18
0010	1283 81-NB Entry + 85	to	1283 81-NB Entry + 80	6		PB18 to LB13
0010	1283 81-NB Entry + 85	to	1282 81-NB Entry + 07	182		PB18 to PB19
0010	1282 81-NB Entry + 07	to	1281 81-NB Entry + 98	9		PB19 to LB14
0010	1286 81-NB Entry + 34	to	1286 81-NB Entry + 38		16	PB16 to LC1
			Total	**1879**	**34**	

3

Poles, Arms & Equipment

Category	Station	Dir	Location	657.0255 Transformer Bases Breakaway 11 1/2 Inch Bolt Circle EACH	657.0322 Poles Type 5- Aluminum EACH	657.0710 Luminaire Arms Truss Member 4.5-Inch Clamp 12-FT EACH	659.1120 Luminaires Utility LED B EACH	Desc
0010	13 CR NE RAB + 85	RIGHT	5.5	1	1	1	1	LB1
0010	1286 61&81 + 78	RIGHT	23.4	1	1	1	1	LB2
0010	1287 61&81 + 60	LEFT	40.1	1	1	1	1	LB3
0010	1288 61&81 + 98	LEFT	36.6	1	1	1	1	LB4
0010	1290 61&81 + 56	LEFT	35.5	1	1	1	1	LB5
0010	1286 61&81 + 86	LEFT	95.9	1	1	1	1	LB6
0010	1283 61 + 85	LEFT	76.4	1	1	1	1	LB7
0010	1283 61 + 64	RIGHT	28.4	1	1	1	1	LB8
0010	1281 61 + 72	RIGHT	23.5	1	1	1	1	LB9
0010	1279 61 + 95	RIGHT	23.5	1	1	1	1	LB10
0010	1286 81-NB Entry + 27	LEFT	59.4	1	1	1	1	LB11
0010	1285 81-NB Entry + 55	RIGHT	23.6	1	1	1	1	LB12
0010	1283 81-NB Entry + 80	RIGHT	23.5	1	1	1	1	LB13
0010	1281 81-NB Entry + 98	RIGHT	23.0	1	1	1	1	LB14
		Total		**14**	**14**	**14**	**14**	

Street Light Wire

Category	Station	to	Station	655.0610 Electrical Wire Lighting 12 AWG LF	Description
0010	1286 31-NB Entry + 38	to	1281 81-NB Entry + 98	1657	LC1 to LB14
0010	1286 31-NB Entry + 38	to	1279 061 + 95	2163	LC1 to LB10
0010	1286 31-NB Entry + 38	to	1283 061 + 85	1536	LC1 to LB7
0010	1286 31-NB Entry + 38	to	1290 61&81 + 56	1982	LC1 to LB5
0010	013 CR NE RAB + 85			150	LB1 Up Pole
0010	1286 61&81 + 78			150	LB2 Up Pole
0010	1287 61&81 + 60			150	LB3 Up Pole
0010	1288 61&81 + 98			150	LB4 Up Pole
0010	1290 61&81 + 56			150	LB5 Up Pole
0010	1286 61&81 + 86			150	LB6 Up Pole
0010	1283 061 + 85			150	LB7 Up Pole
0010	1283 061 + 64			150	LB8 Up Pole
0010	1281 061 + 72			150	LB9 Up Pole
0010	1279 061 + 95			150	LB10 Up Pole
0010	1286 31-NB Entry + 27			150	LB11 Up Pole
0010	1285 31-NB Entry + 55			150	LB12 Up Pole
0010	1283 31-NB Entry + 80			150	LB13 Up Pole
0010	1281 31-NB Entry + 98			150	LB14 Up Pole
			Total	**9438**	

Electrical Items

Category	Station	Dir	Location	656.0201.01 Electrical Service Meter Breaker Pedestal STH 81 RAB EACH	650.8501 Construction Staking Electrical Installations 1650-00-77 EACH	654.0224 Concrete Control Cabinet Bases Type L24 EACH	659.2124 Lighting Control Cabinets 120/240 24-inch EACH	Description
0010	1286 81-NB Entry + 38	RIGHT	35	1		1	1	LC1
0010	1286 81-NB Entry + 38	RIGHT	35		1			Project
			Total	**1**	**1**	**1**	**1**	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

1650-06-20

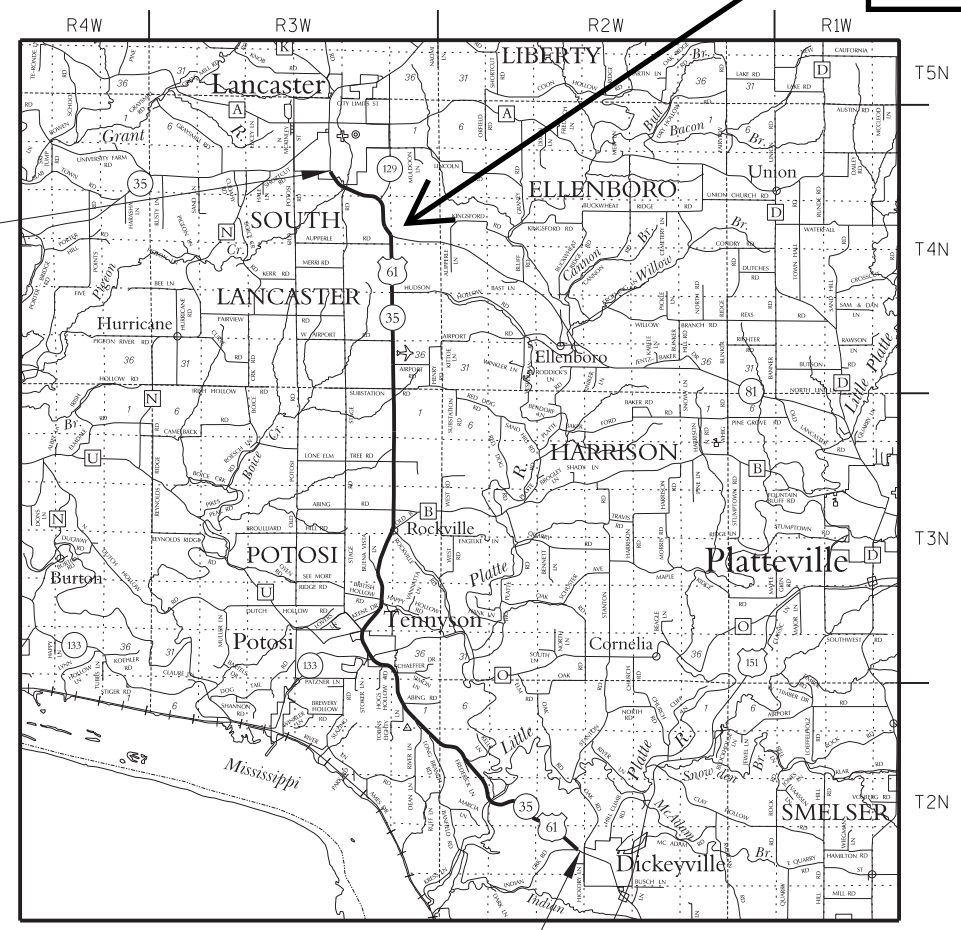
Dickeyville - Lancaster
(Hickory Lane - Alona Lane)

USH 61

GRANT COUNTY



NOTE:
SHEETS 4.16-4.18 PERTAIN TO 1650-00-77, SEE 1650-06-72 FOR OTHER SHEETS



END PROJECT
1650-06-20
STA. 1382+65.00

BEGIN PROJECT
1650-06-20
STA. 563+09.80

LAYOUT
SCALE 0 2 MI.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, GRANT 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 3/4" 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 PAVEMENT.

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.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY 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 LACROSSE.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTEREST REQUIRED.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	REFERENCE LINE	R/L
ACCESS RIGHTS		RELEASE OF RIGHTS	ROR
ACRES	AR	REMAINING	REM.
AND OTHERS	AC.	RIGHT-OF-WAY	R/W
CENTERLINE	ET.AL.	SECTION	SEC.
CERTIFIED SURVEY MAP	C/L	STATION	STA.
CORNER	CSM	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	COR.	VOLUME	V.
EASEMENT	DOC.	**CURVE DATA**	
HIGHWAY EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	H.E.	LONG CHORD BEARING	LCB
MONUMENT	LC	RADIUS	R
PAGE	MON.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	P.	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PLE	LENGTH OF CURVE	L
RECORDED AS	PL	TANGENT	TAN
	(100')		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	UP (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	•(SET)	PROPERTY LINE	
R/W STANDARD	▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL	SECTION CORNER MONUMENT	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT		QUARTER LINE	
PARCEL NUMBER	RWB20 102	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21-1	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD	OH	
TRANSMISSION LINES ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20 - 4.01
SHEET 2 OF 2

FILE NAME : P:\UZ\W\Witsw\Common\117738_madison\RTUSH6100.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 7/31/2017
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

832297
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/12/2022 02:24:34 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 81D
PAGES RECORDED: 1

4.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.16
AMENDMENT NO. 2

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.16 AMENDMENT NO. 2

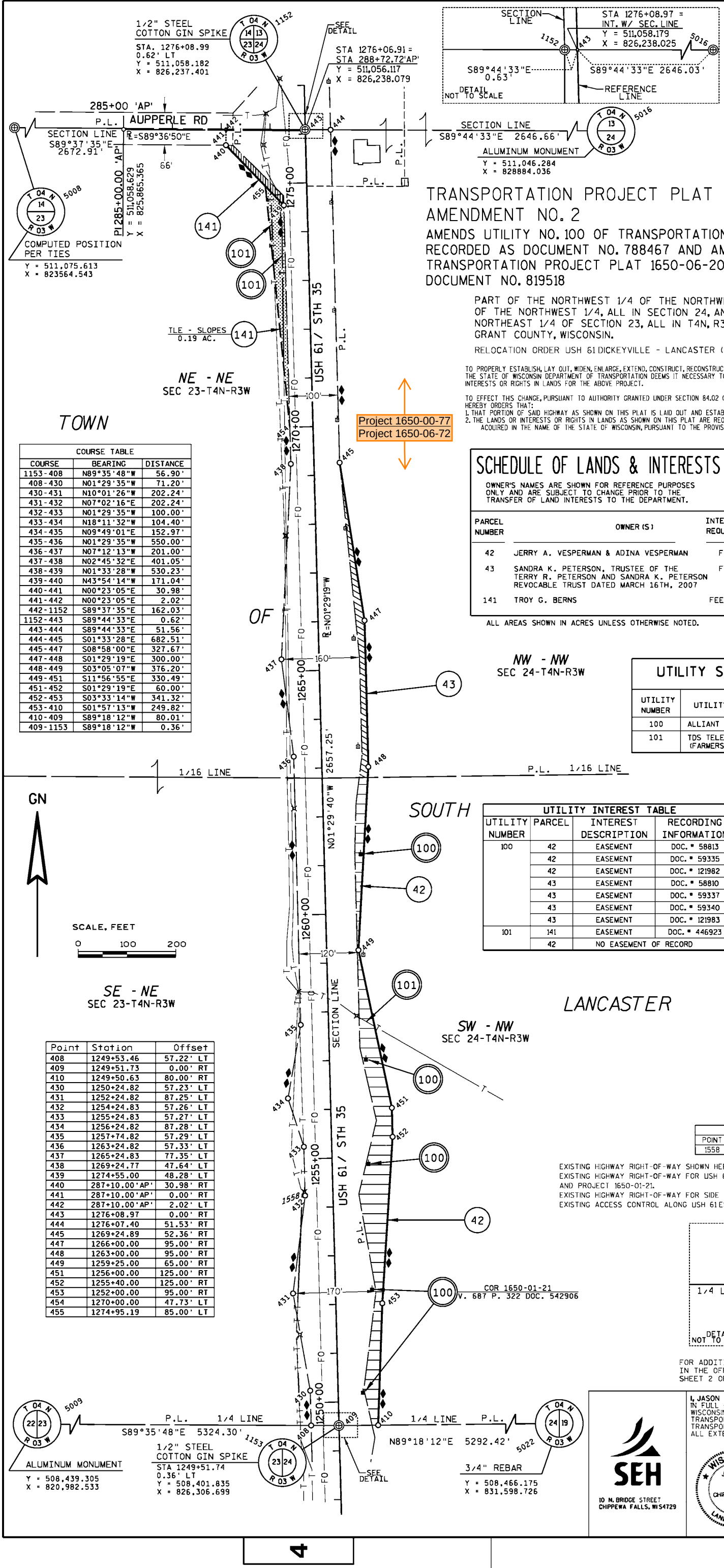
AMENDS UTILITY NO. 100 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.16 RECORDED AS DOCUMENT NO. 788467 AND AMENDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT 1650-06-20-4.16 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819518

PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 24, AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 23, ALL IN T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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 ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES
42	JERRY A. VESPERMAN & ADINA VESPERMAN	FEE	0.83	---	0.83	---
43	SANDRA K. PETERSON, TRUSTEE OF THE TERRY R. PETERSON AND SANDRA K. PETERSON REVOCABLE TRUST DATED MARCH 16TH, 2007	FEE	0.17	---	0.17	---
141	TROY G. BERNS	FEE/TLE	0.04	0.01	0.05	0.19

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

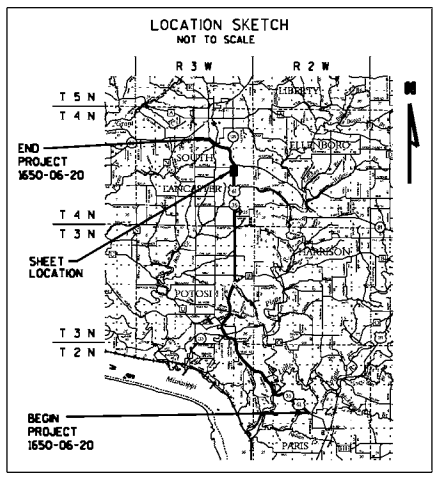
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	42	EASEMENT	DOC. # 58813
	42	EASEMENT	DOC. # 59335
	42	EASEMENT	DOC. # 121982
	43	EASEMENT	DOC. # 58810
	43	EASEMENT	DOC. # 59337
	43	EASEMENT	DOC. # 59340
	43	EASEMENT	DOC. # 121983
101	141	EASEMENT	DOC. # 446923
	42	NO EASEMENT OF RECORD	

COURSE TABLE

COURSE	BEARING	DISTANCE
1153-408	N89°35'48"W	56.90'
408-430	N01°29'35"W	71.20'
430-431	N10°01'26"W	202.24'
431-432	N07°02'16"E	202.24'
432-433	N01°29'35"W	100.00'
433-434	N18°11'32"W	104.40'
434-435	N09°49'01"E	152.97'
435-436	N01°29'35"W	550.00'
436-437	N07°12'13"W	201.00'
437-438	N02°45'32"E	401.05'
438-439	N01°33'28"W	530.23'
439-440	N43°54'14"W	171.04'
440-441	N00°23'05"E	30.98'
441-442	N00°23'05"E	2.02'
442-1152	S89°37'35"E	162.03'
1152-443	S89°44'33"E	0.62'
443-444	S89°44'33"E	51.56'
444-445	S01°33'28"E	682.51'
445-447	S08°58'00"E	327.67'
447-448	S01°29'19"E	300.00'
448-449	S03°05'07"W	376.20'
449-451	S11°56'55"E	330.49'
451-452	S01°29'19"E	60.00'
452-453	S03°33'14"W	341.32'
453-410	S01°57'13"W	249.82'
410-409	S89°18'12"W	80.01'
409-1153	S89°18'12"W	0.36'

Point	Station	Offset
408	1249+53.46	57.22' LT
409	1249+51.73	0.00' RT
410	1249+50.63	80.00' RT
430	1250+24.82	57.23' LT
431	1252+24.82	87.25' LT
432	1254+24.83	57.26' LT
433	1255+24.83	57.27' LT
434	1256+24.82	87.28' LT
435	1257+74.82	57.29' LT
436	1263+24.82	57.33' LT
437	1265+24.83	77.35' LT
438	1269+24.77	47.64' LT
439	1274+55.00	48.28' LT
440	287+10.00'AP'	30.98' RT
441	287+10.00'AP'	0.00' RT
442	287+10.00'AP'	2.02' LT
443	1276+08.97	0.00' RT
444	1276+07.40	51.53' RT
445	1269+24.89	52.36' RT
447	1266+00.00	95.00' RT
448	1263+00.00	95.00' RT
449	1259+25.00	65.00' RT
451	1256+00.00	125.00' RT
452	1255+40.00	125.00' RT
453	1252+00.00	95.00' RT
454	1270+00.00	47.73' LT
455	1274+95.19	85.00' LT

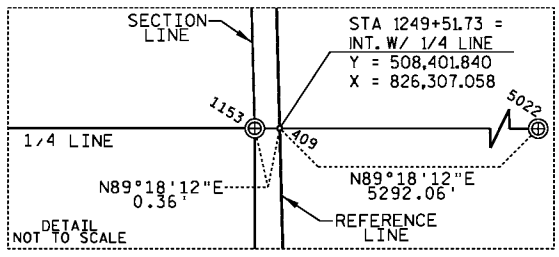
LOCATION SKETCH
NOT TO SCALE



RECOVERED MONUMENTS

POINT	DESCRIPTION	Y	X
1558	3/4" REBAR "HIT"	508873.965	826234.520

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9-1-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 9/8/2022
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZ\WW\Itsw\Common\117738_madison\RDUSH=6116 A2.dgn
PLOT BY : SEH
PLOT DATE : 9/1/2022
PLOT SCALE : N/A
FILE NAME :
APPRAISAL PLAT DATE : 9-1-2022

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.17
AMENDMENT NO. 2

AMENDS UTILITY NO. 100 AND REMOVES UTILITY NO. 109 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.17 RECORDED AS DOCUMENT NO. 788468, REMOVES PARCEL 46, AND UTILITY NO. 111 AND AMENDS UTILITY NO. 100, AND UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.17 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819614.

PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 13 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 14, ALL IN T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

832381
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/15/2022 02:32:48 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 81D
PAGES RECORDED: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.17
AMENDMENT NO. 2

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	43	EASEMENT	DOC. # 58810
	43	EASEMENT	DOC. # 59340
	43	EASEMENT	DOC. # 59337
	43	EASEMENT	DOC. # 59961
	43	EASEMENT	DOC. # 104723
	43	EASEMENT	DOC. # 114447
	43	EASEMENT	DOC. # 121983
	43	EASEMENT	DOC. # 186391
	43	EASEMENT	DOC. # 211104
	50	EASEMENT	DOC. # 58810
	50	EASEMENT	DOC. # 59337
	50	EASEMENT	DOC. # 59340
	50	EASEMENT	DOC. # 104723
	50	EASEMENT	DOC. # 114447
	50	EASEMENT	DOC. # 121983
	50	EASEMENT	DOC. # 186391
	50	EASEMENT	DOC. # 211104
101	43	EASEMENT	DOC. # 550875
	43	EASEMENT	DOC. # 448893
	43	EASEMENT	DOC. # 446897
	43	EASEMENT	DOC. # 551009
	43	EASEMENT	DOC. # 105922
	43	EASEMENT	DOC. # 214214
	50	EASEMENT	DOC. # 214214

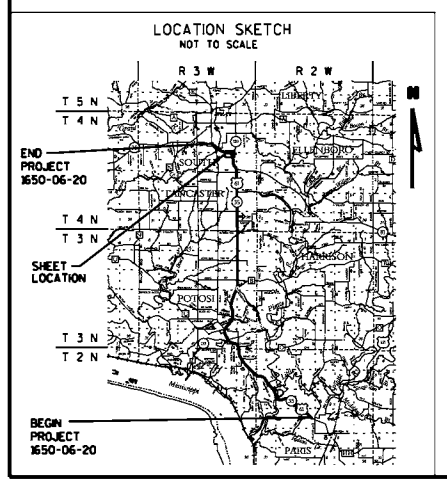
SCHEDULE OF LANDS & INTERESTS REQUIRED

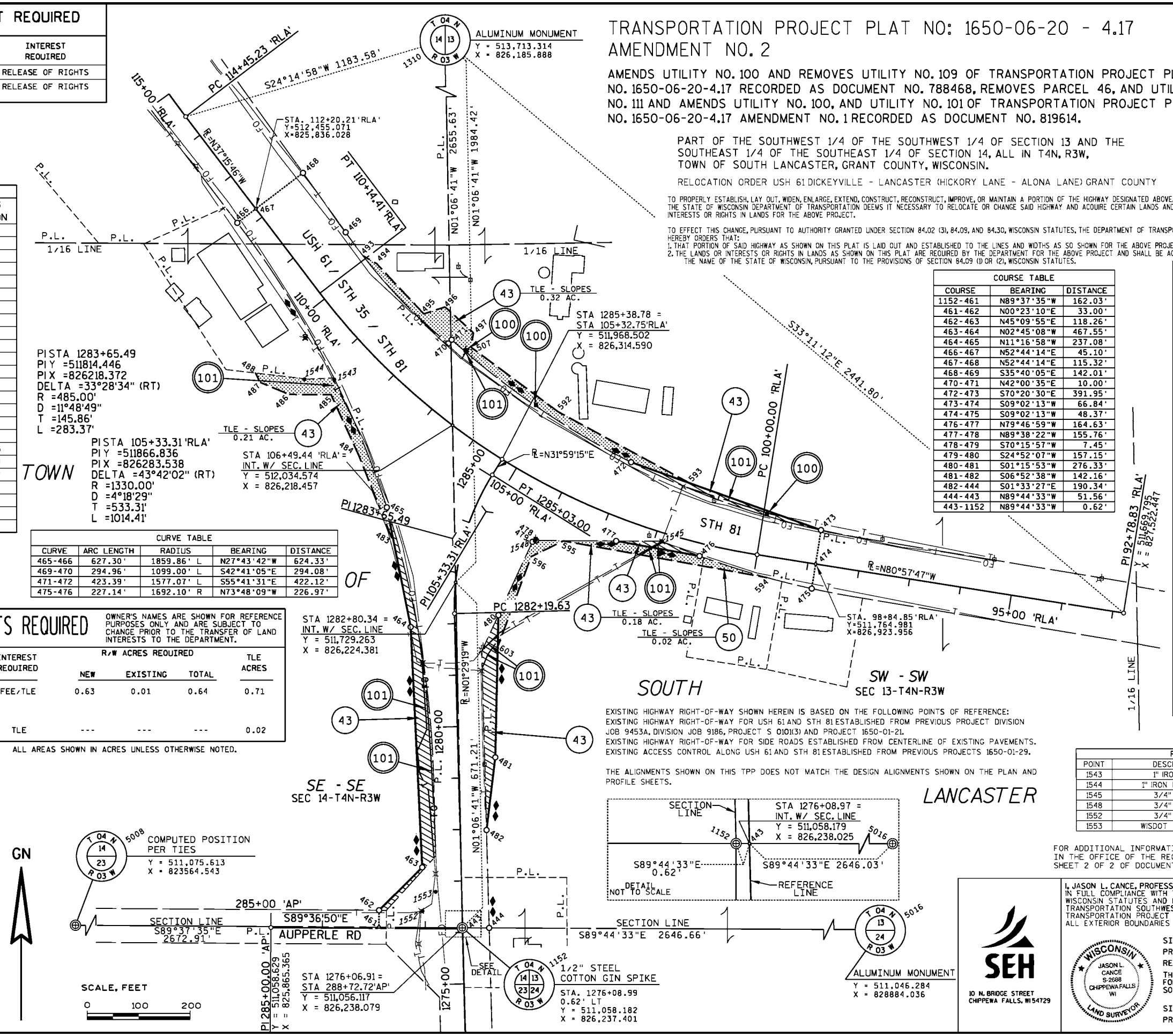
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
43	SANDRA K. PETERSON, TRUSTEE OF THE TERRY R. PETERSON AND SANDRA K. PETERSON REVOCABLE TRUST DATED MARCH 16TH, 2007	FEE/TLE	0.63	0.01	0.64	0.71
50	BEVERLY J. COLBERT	TLE	---	---	---	0.02

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

LOCATION SKETCH
NOT TO SCALE





CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
465-466	627.30'	1859.86' L	N27°43'42"W	624.33'
469-470	294.96'	1099.00' L	S42°41'05"E	294.08'
471-472	423.39'	1577.07' L	S55°41'31"E	422.12'
475-476	227.14'	1692.10' R	N73°48'09"W	226.97'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1152-461	N89°37'35"W	162.03'
461-462	N00°23'10"E	33.00'
462-463	N45°09'55"E	118.26'
463-464	N02°45'08"W	467.55'
464-465	N11°16'58"W	237.08'
466-467	N52°44'14"E	45.10'
467-468	N52°44'14"E	115.32'
468-469	S35°40'05"E	142.01'
470-471	N42°00'35"E	10.00'
472-473	S70°20'30"E	391.95'
473-474	S09°02'13"W	66.84'
474-475	S09°02'13"W	48.37'
476-477	N79°46'59"W	164.63'
477-478	N89°38'22"W	155.76'
478-479	S70°15'57"W	7.45'
479-480	S24°52'07"W	157.15'
480-481	S01°15'53"W	276.33'
481-482	S06°52'38"W	142.16'
482-444	S01°33'27"E	190.34'
444-443	N89°44'33"W	51.56'
443-1152	N89°44'33"W	0.62'

Point	Station	Offset
443	1276+08.97	0.00' RT
444	1276+07.40	51.53' RT
461	287+10.00'AP'	2.02' LT
462	287+10.00'AP'	35.03' LT
463	1277+28.41	75.49' LT
464	1281+95.85	85.80' LT
465	1283+80.05	161.15' LT
466	112+20.21'RLA'	45.10' LT
467	112+20.21'RLA'	0.00' LT
468	112+20.21'RLA'	115.32' RT
469	110+78.25'RLA'	111.37' RT
470	107+61.82'RLA'	117.35' RT
471	107+61.79'RLA'	127.34' RT
472	102+96.60'RLA'	108.84' RT
473	98+84.85'RLA'	66.84' RT
474	98+84.85'RLA'	0.00' RT
475	98+84.85'RLA'	48.37' LT
476	101+08.17'RLA'	24.55' LT
477	102+67.57'RLA'	44.40' LT
478	104+03.22'RLA'	105.66' LT
479	104+07.98'RLA'	111.03' LT
480	1282+14.40	85.26' RT
481	1279+38.39	71.99' RT
482	1277+97.74	51.30' RT
483	1283+29.94	129.66' LT
484	107+49.46'RLA'	159.85' LT
485	108+57.10'RLA'	112.37' LT
486	109+07.64'RLA'	171.56' LT
487	109+55.53'RLA'	198.88' LT
488	109+72.82'RLA'	194.47' LT
493	110+21.28'RLA'	110.59' RT
494	109+91.16'RLA'	122.19' RT
495	108+43.47'RLA'	126.34' RT
496	108+21.09'RLA'	165.02' RT
497	107+36.08'RLA'	165.36' RT
507	107+19.26'RLA'	140.97' RT
592	104+84.79'RLA'	135.19' RT
593	101+65.14'RLA'	107.42' RT
594	99+73.47'RLA'	40.98' LT
595	103+58.16'RLA'	83.54' LT
596	1283+70.00	135.00' RT
603	1281+53.39	82.33' RT
1152	1276+08.99	0.62' LT

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1543	1" IRON PIPE	512123.412	825988.491
1544	1" IRON PIPE "HIT"	512124.002	825931.005
1545	3/4" REBAR	511809.332	826623.971
1548	3/4" REBAR	511810.997	826379.303
1552	3/4" REBAR	511090.618	826161.719
1553	WISDOT ALUM. CAP	511128.097	826185.467

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: CORY SCHLAGEL

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

831092
GRANT COUNTY, WI
RECEIVED FOR RECORD
07/13/2022 12:12:10 PM
ANDREA NOETHE, REGISTER
PAGES RECORDED: 2

This Vacation Order applies to Transportation Project Plat 1650-06-20-4.18 Amendment NO.1, recorded on 4/9/2021 as Document Number 819615 in the Office of the Register of Deeds for Grant County.

Whereas, parcel 46 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
3550 Mormon Coulee Road
La Crosse, WI 54601

Parcel Identification Number/Tax Key Number
056-00351-0000

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Cory Schlagel 7/12/2022
(Signature)

7/12/2022
(Date – m/d/yyyy)

Cory Schlagel
(Print Name)

Supervisor
(Title)

State of Wisconsin
La Crosse County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x Beth Griffin
(Signature, Notary Public, State of Wisconsin)

Beth Griffin
(Print or Type Name, Notary Public, State of Wisconsin)

9/12/25
(Date Commission Expires)

BETH GRIFFIN NOTARY (Seal) PUBLIC STATE OF WISCONSIN

Project ID 1650-06-20

This instrument was drafted by Wisconsin Department of Transportation

LEGAL DESCRIPTION

Parcel 46 of Transportation Project Plat 1650-06-20-4.17 Amendment No.1, recorded as Document #819674, recorded in Grant County, Wisconsin.

Property interests and rights of said Parcel 46 consist of:

Temporary Limited Easement

Also Parcel 46 of Transportation Project Plat 1650-06-20-4.18 Amendment No.1, recorded as Document #819615, recorded in Grant County, Wisconsin.

Property interests and rights of said Parcel 46 consist of:

Temporary Limited Easement

4

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.18 AMENDMENT NO. 1

REMOVES PARCELS 43 & 146, AMENDS PARCELS 46, & 52, REMOVES UTILITY NO. 103, AND ADDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.18 RECORDED AS DOCUMENT NO. 788469

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 14, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

GRANT COUNTY, WI
RECEIVED FOR RECORD
04/09/2021 12:03 PM
#819615
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.18
AMENDMENT NO. 1

Point	Station	Offset
466	112+20.21'RLA'	45.10' LT
490	111+28.73'RLA'	58.66' LT
491	115+62.52'RLA'	68.08' LT
492	117+36.92'RLA'	70.37' LT
510	120+13.00'RLA'	141.09' LT
515	1310+20.00'MLB'	50.21' LT
516	1310+20.00'MLB'	0.00' LT
517	1310+20.00'MLB'	99.79' RT
518	1309+54.82'MLB'	99.81' RT
532	1308+54.81'MLB'	49.85' RT
571	1304+88.80'MLB'	49.98' RT
569	119+33.82'RLA'	56.53' RT
570	119+26.74'RLA'	73.83' RT
612	110+78.25'RLA'	111.37' RT
613	110+14.41'RLA'	110.69' RT
614	110+14.41'RLA'	0.00' LT
615	110+14.41'RLA'	56.06' LT
616	108+39.26'RLA'	194.29' RT

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	46	EASEMENT	DOC. # 59961
101	46	EASEMENT	DOC. # 551009
	52	EASEMENT	DOC. # 447265

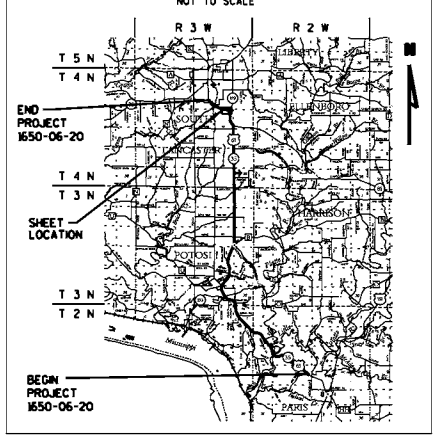
CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
615-466	206.19'	1859.86' L	N34°12'54"W	206.09'
612-613	63.85'	1099.00' L	S36°39'36"E	63.84'
571-569	652.02'	1860.02' L	S12°02'03"E	648.69'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1310-616	S01°06'41"E	1417.39'
616-1152	S01°06'41"E	1238.24'
616-614	S88°53'19"W	252.80'
614-615	S52°44'14"W	56.06'
466-510	N37°23'27"W	826.81'
510-515	N01°59'28"W	1156.71'
515-516	N88°01'43"E	50.21'
516-517	N88°01'43"E	99.79'
517-518	S01°59'28"E	65.18'
518-532	S24°34'26"W	111.80'
532-571	S01°59'28"E	366.01'
569-570	N89°27'02"E	18.60'
570-612	S35°40'05"E	824.06'
613-614	S52°44'14"W	110.69'

UTILITY SCHEDULE & INTEREST REQUIRED

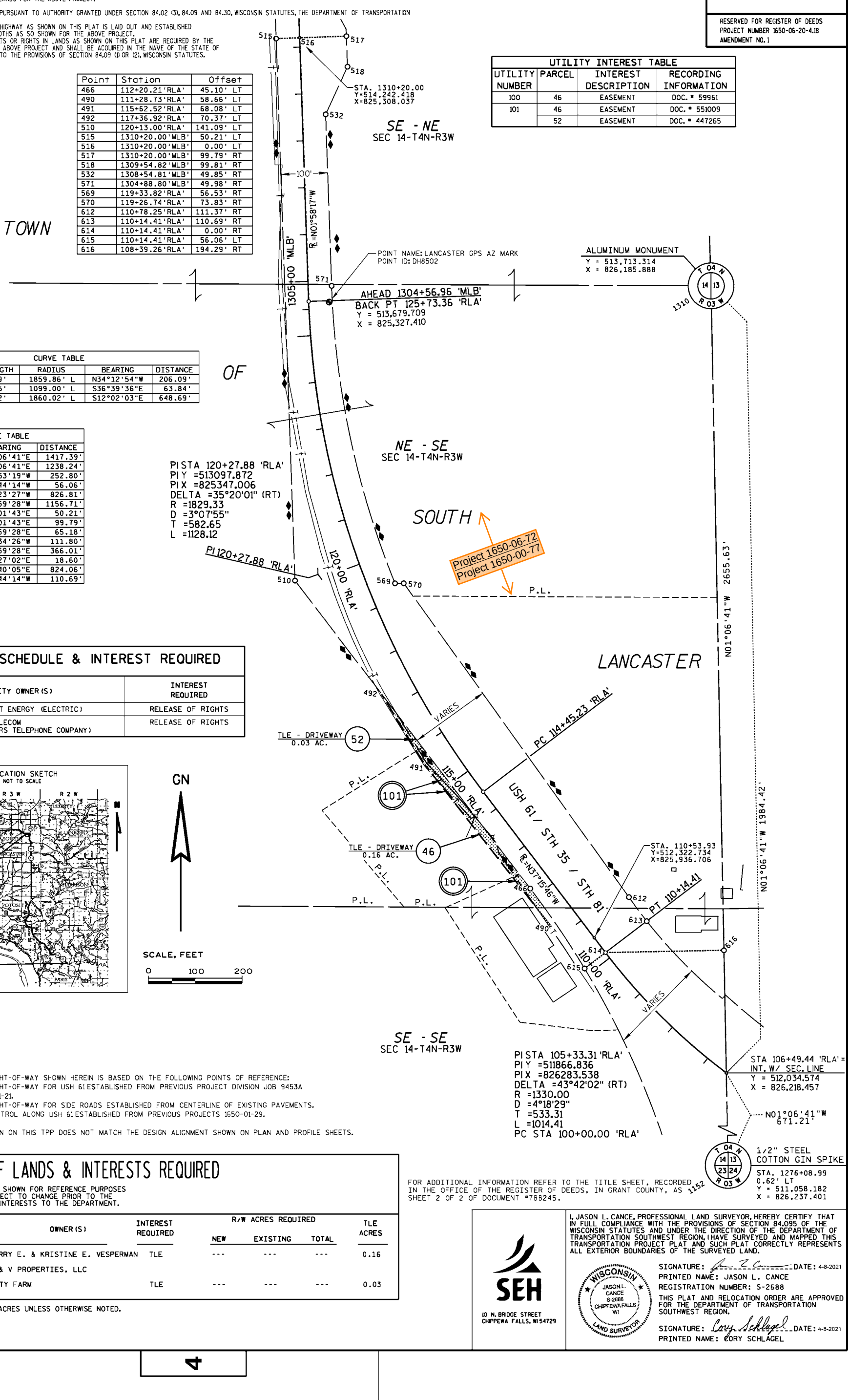
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

LOCATION SKETCH
NOT TO SCALE



GN

SCALE, FEET
0 100 200



EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

THE ALIGNMENT SHOWN ON THIS TPP DOES NOT MATCH THE DESIGN ALIGNMENT SHOWN ON PLAN AND PROFILE SHEETS.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS 1152 SHEET 2 OF 2 OF DOCUMENT #788245.

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
46	VENDOR: LARRY E. & KRISTINE E. VESPERMAN	TLE	---	---	---	0.16
	VENDEE: E & V PROPERTIES, LLC					
52	GRANT COUNTY FARM	TLE	---	---	---	0.03

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 4-8-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 4-8-2021
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZW\Witsw\Common\117738_madison\RDUSH6118A1.dgn
PLOT DATE : 4/8/2021
PLOT BY : SEH
PLOT SCALE : N/A
APPRAISAL PLAT DATE : 1-18-2021

4

NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

BEGIN CONSTRUCTION
STA 287+10'AP'
MATCH EXISTING PAVEMENT
SAWING ASPHALT REQUIRED
Y=511,057.2139
X=826,075.3608

STA 288+09 AP
1- REMOVING SMALL PIPE CULVERTS
77 LF- 18" CMP CLASS III-A REQ'D
2- AECP REQ'D

STA 1279+65 NBA
1- REMOVING SMALL PIPE CULVERTS

STA 1283+38 NBA
1- REMOVING SMALL PIPE CULVERTS

BEGIN PROJECT
STA 1274+85'NBA'
MATCH EXISTING PAVEMENT
SAWING ASPHALT REQUIRED
Y=510,934.2500
X=826,241.2461

AUPPERLE RD
R/W
TDS TELECOM
TLE
BERNS
SPECTRUM
USH 61/STH 35
STH 81
PETERSON
HAYES
WELL
ALLIANT-ELECTRIC
PROPERTY LINE (TYP)
SLOPE INTERCEPT
SLOPE INTERCEPT
STA 1276+49.20'NBA'
STA 1276+49.20'SBB'
STA 1276+06.91'NBA'
STA 288+72.72'AP'
PI: 1277+29.68'NBA'
PC: 1276+49.20'NBA'
PT: 1278+10.12'NBA'
PC: 1279+51.31'NBA'
PI: 1280+45.52'NBA'
PT: 1281+39.35'NBA'
PC: 1283+32.89'NBA'
PI: 1283+68.84'NBA'
EP: 1284+02.38'NBA'
PI: 1284'SBB'
1272'NBA'
1274'NBA'
1276'NBA'
1278'SBB'
1278'NBA'
1280'SBB'
1280'NBA'
1282'SBB'
1282'NBA'
1286'EBB'
1286'WBA'
C6
12"CID'
1288'SBA'
1288'NBB'
PI: 1287+32.91'NBB'
BP: 1286+67.23'NBB'
PC: 1285+88.08'WBA'
PT: 1285+24.43'WBA'
PI: 1286+23.04'WBA'
S89°25'44.12"W
STA 1286+55.78
STA 13+42.80'CI

5

SOUTH LEG

VCL = 700.49'
K = 116.43
VCL = 100.00'
K = 45.51
STA 1274+85.00'NBA'
EL 1,060.63
VPC STA 1275+00.22'NBA'
VPC EL 1,060.33
-1.92%
STA 1277+24.09'NBA'
LOW POINT EL 1,058.18
VPI STA 1278+50.46'NBA'
VPI EL 1,053.60
EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS
PROPOSED PROFILE AT REF LINE
EXISTING GROUND AT REF LINE
VPT STA 1282+00.70'NBA'
VPT EL 1,067.94
4.09%
VPC STA 1282+74.73'NBA'
VPC EL 1,070.97
VPI STA 1283+24.73'NBA'
VPI EL 1,073.01
VPT STA 1283+74.73'NBA'
VPT EL 1,073.96
STA 1284+02.38'NBA'
EL 1,074.49
1.90%

1085 1080 1075 1070 1065 1060 1055 1050

1065.05 1064.38 1063.63 1062.80 1062.02 1061.20 1060.34 1060.34 1059.40 1059.48 1058.83 1058.84 1058.50 1058.42 1058.19 1058.21 1058.23 1058.21 1058.31 1058.43 1058.54 1058.86 1059.02 1059.51 1059.52 1060.37 1060.57 1061.45 1061.98 1062.74 1063.36 1064.25 1064.46 1065.97 1066.09 1067.91 1067.54 1069.95 1068.91 1071.93 1070.39 1073.43 1071.86 1074.44

1272'NBA' 1274'NBA' 1276'NBA' 1278'NBA' 1280'NBA' 1282'NBA' 1284'NBA' 1286'NBA'

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: NB USH 61/STH 35	SHEET 192	E

STA 1279+66 WBA, LT
1- REMOVING SMALL PIPE CULVERTS
49 LF- 15" CPCS CLASS III-A REQ'D

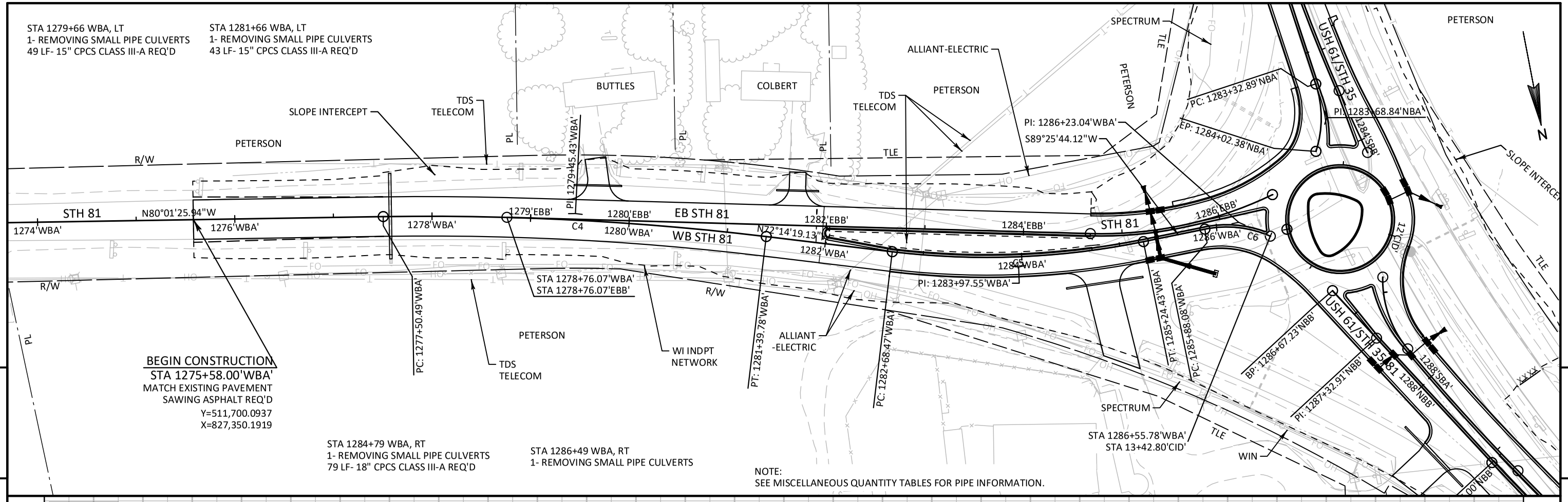
STA 1281+66 WBA, LT
1- REMOVING SMALL PIPE CULVERTS
43 LF- 15" CPCS CLASS III-A REQ'D

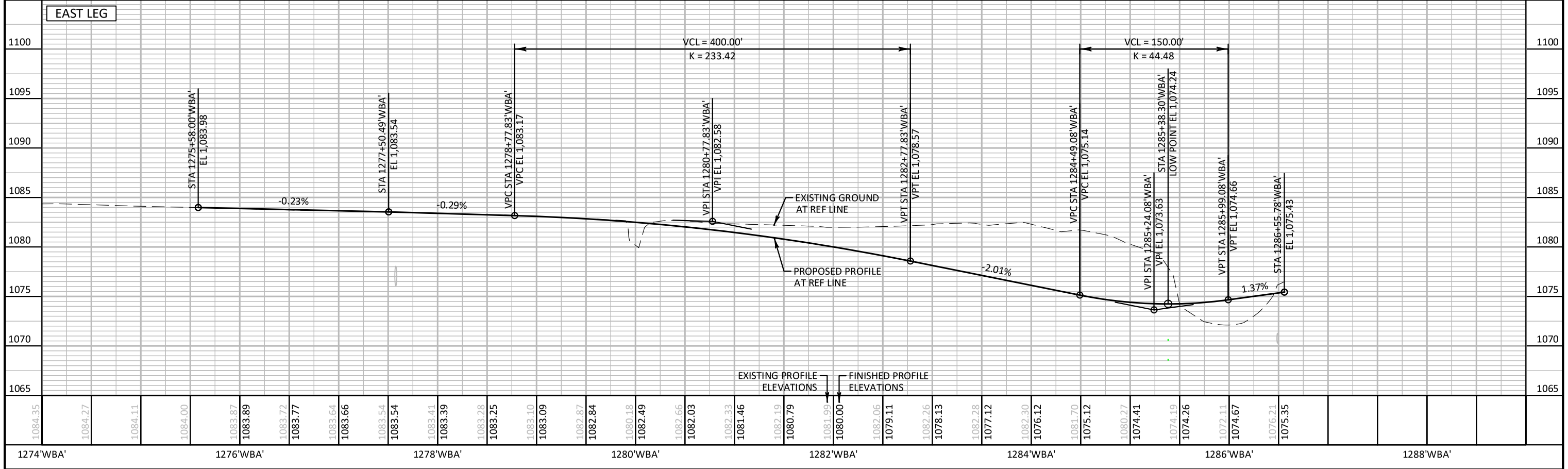
BEGIN CONSTRUCTION
STA 1275+58.00'WBA'
MATCH EXISTING PAVEMENT
SAWING ASPHALT REQ'D
Y=511,700.0937
X=827,350.1919

STA 1284+79 WBA, RT
1- REMOVING SMALL PIPE CULVERTS
79 LF- 18" CPCS CLASS III-A REQ'D

STA 1286+49 WBA, RT
1- REMOVING SMALL PIPE CULVERTS

NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.





PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: WB STH 81	PAGE 02 OF 04	SHEET 193	E

NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

STA 1292+00 NBB, LT
91 LF- 18" CPCS CLASS III-A REQ'D
2- AECP REQ'D

SLOPE INTERCEPT
PETERSON
E & V PROPERTIES LLC
TDS TELECOM
E & V PROPERTIES LLC
GRANT CO FARM
TLE
SPECTRUM
USH 61/STH 35
USH 61/STH 35/81
STH 81
PI: 1283+68.84'NBA'
1284'SBB'
1284'NBA'
1281+39.35'NBA'
PC: 1283+32.89'NBA'
EP: 1284+02.38'NBA'
12"CID'
1288'SBA'
1288'NBB'
1290'SBA'
1290'NBB'
1292'SBA'
1292'NBB'
1294'NBB'
1296'NBB'
1298+00'NBB'
MATCH LINE
PI: 1286+23.04'WBA'
S89°25'44.12"W
1286'EBB'
1286'WBA' C6
BP: 1286+67.23'NBB'
PI: 1287+32.91'NBB'
PC: 1289+05.00'NBB'
PI: 1289+99.42'NBB'
PT: 1290+93.69'NBB'
PC: 1296+94.37'NBB'
PC: 1285+88.08'WBA'
PT: 1285+24.43'WBA'
1284'EBB'
1284'WBA'
PI: 1283+97.55'WBA'
STA 1286+55.78'WBA'
STA 13+42.80'CID'
ALLIANT -ELECTRIC
R/W
WIN

STA 1286+81 NBB, RT
1- REMOVING SMALL PIPE CULVERTS

STA 1286+92 NBB, LT
1- REMOVING SMALL PIPE CULVERTS

STA 1299+06 NBB
1- REMOVING SMALL PIPE CULVERTS

STA 1288+63 NBB, RT
84 LF- 18" CPCS CLASS III-A REQ'D

NORTH LEG

VCL = 150.00'
K = 47.14

VCL = 300.00'
K = 193.83

STA 1286+67.23'NBB'
EL 1,075.13
VPC STA 1286+85.96'NBB'
VPC EL 1,074.85
STA 1287+57.13'NBB'
LOW POINT EL 1,074.31
VPI STA 1287+60.96'NBB'
VPI EL 1,073.72
VPT STA 1288+35.96'NBB'
VPT EL 1,074.97
VPC STA 1291+87.63'NBB'
VPC EL 1,080.85
VPI STA 1293+37.63'NBB'
VPI EL 1,083.36
VPT STA 1294+87.63'NBB'
VPT EL 1,083.55

EXISTING GROUND AT REF LINE
PROPOSED PROFILE AT REF LINE
-1.51%
1.67%
0.12%

EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

1100 1095 1090 1085 1080 1075 1070 1065

1073.98 1074.66 1076.65 1074.32 1077.86 1074.51 1078.83 1075.21 1080.35 1076.04 1082.01 1076.88 1082.09 1077.72 1082.14 1078.55 1083.12 1079.39 1083.12 1080.22 1081.37 1081.06 1082.72 1081.80 1082.56 1082.41 1083.00 1082.89 1083.18 1083.24 1083.34 1083.46 1083.53 1083.56 1083.63 1083.63 1083.68 1083.69 1083.73 1083.75 1083.86 1083.81 1083.97 1083.87 1084.04 1083.94

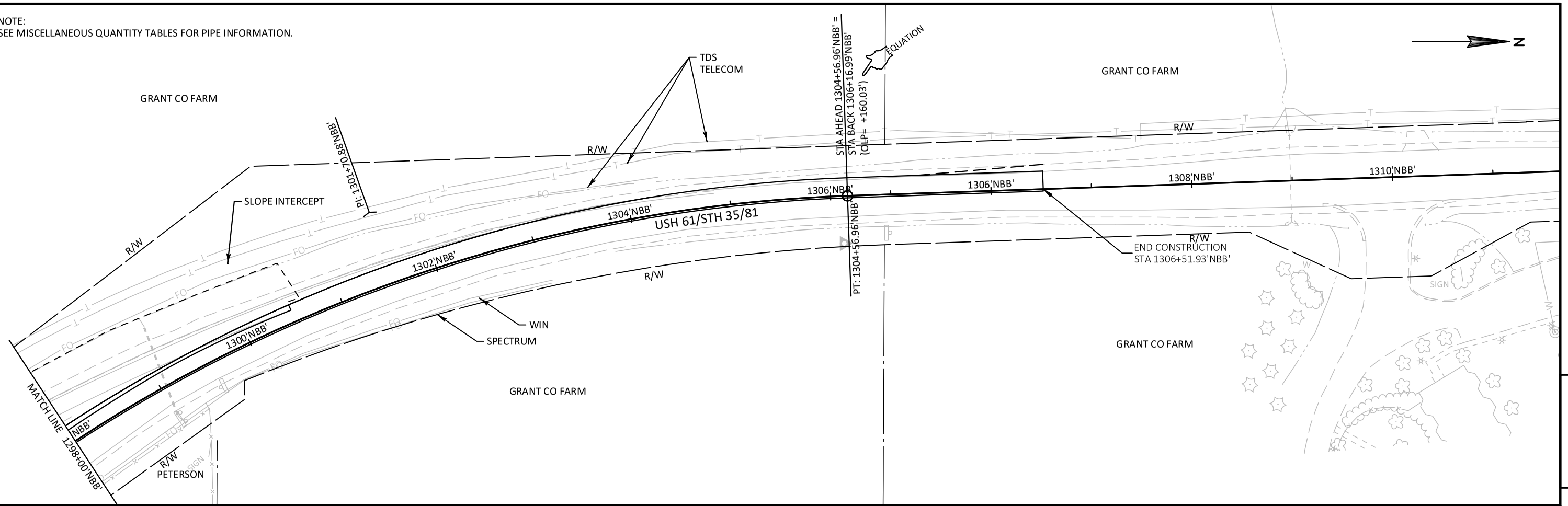
1284'NBB' 1286'NBB' 1288'NBB' 1290'NBB' 1292'NBB' 1294'NBB' 1296'NBB' 1298'NBB'

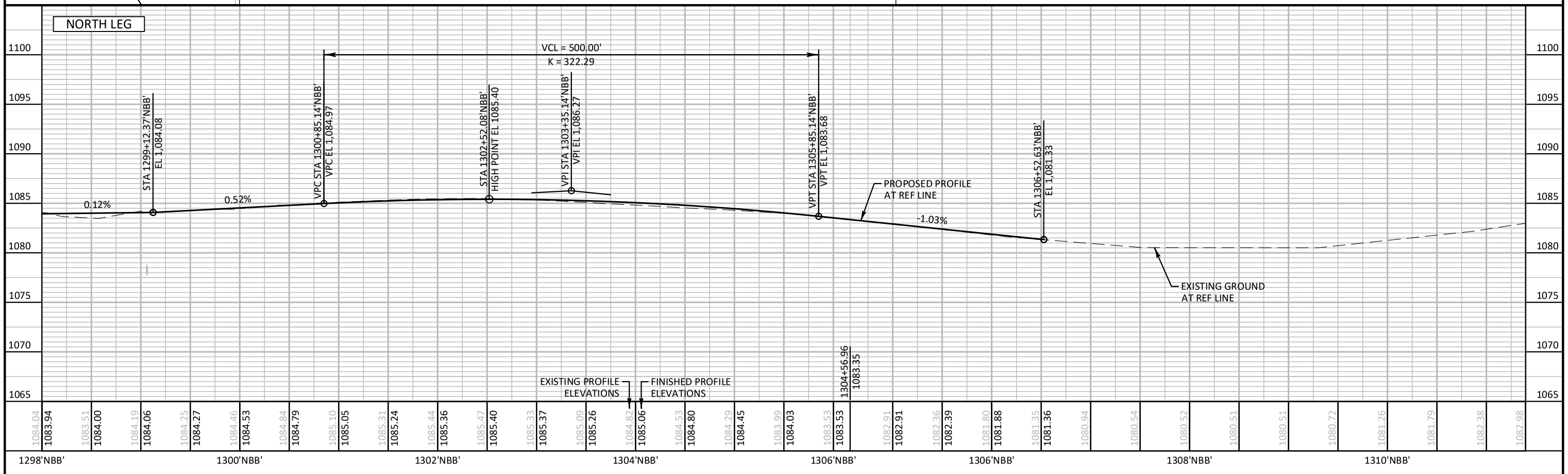
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: NB USH 61/STH 35/81 PAGE 03 OF 04	SHEET 194 E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\050101_pp.dwg
PLOT DATE : 11/8/2022 11:34 AM
PLOT BY : SEH
LAYOUT NAME: 03
PLOT SCALE : 1.0 IN = 100.0 FT

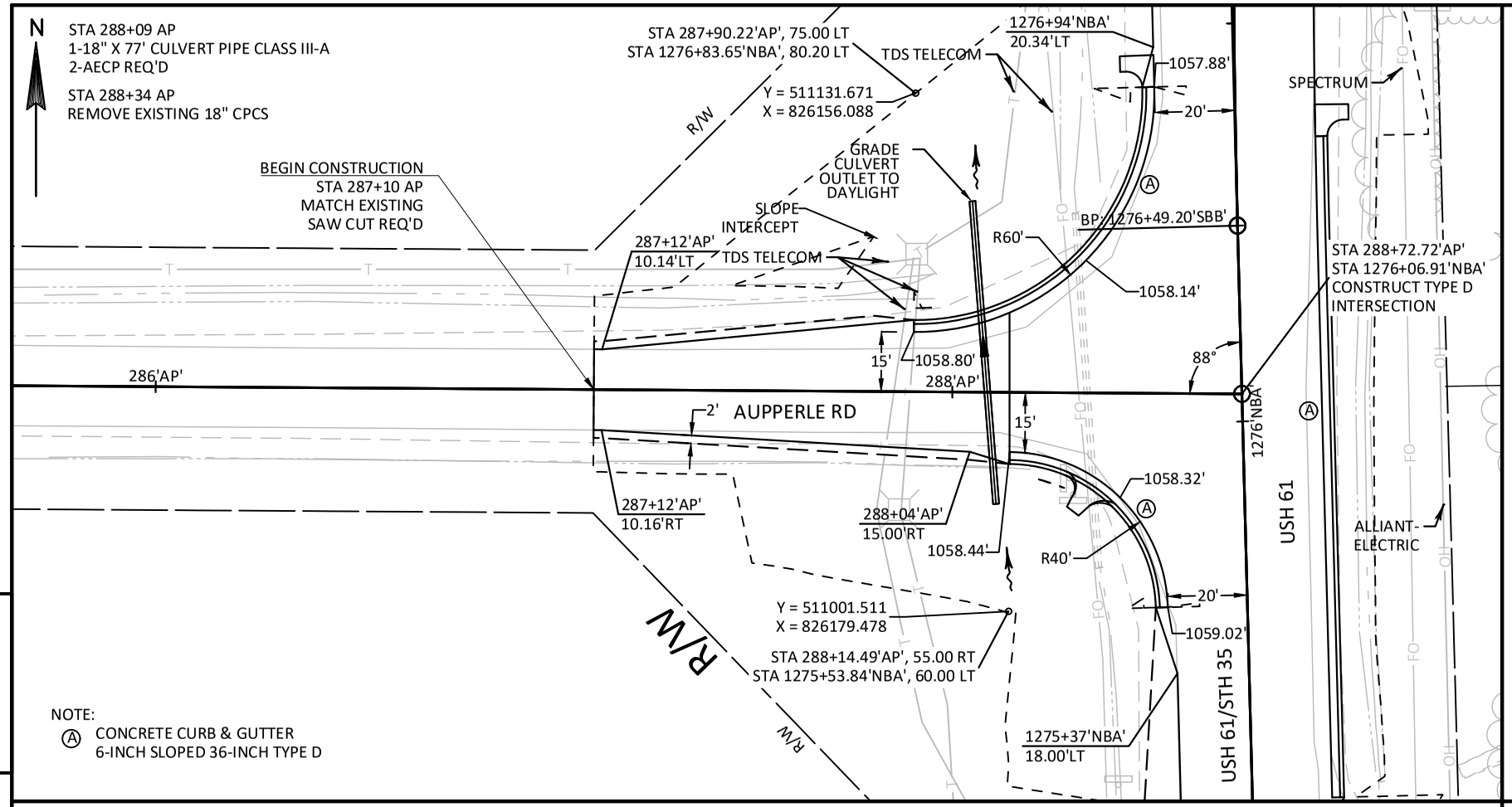
WISDOT/CADDS SHEET 44

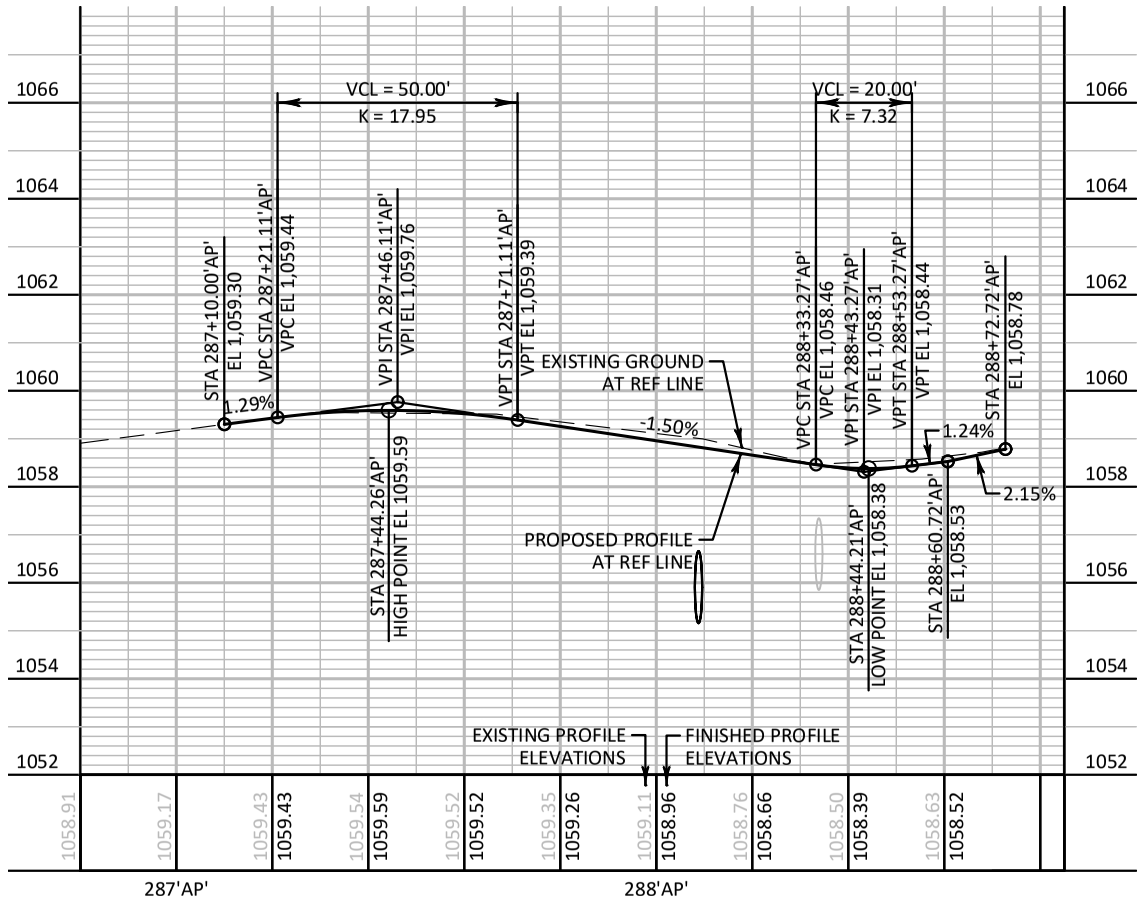
NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.





PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: NB USH 61/STH 35/81 PAGE 04 OF 04	SHEET 195	E





NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

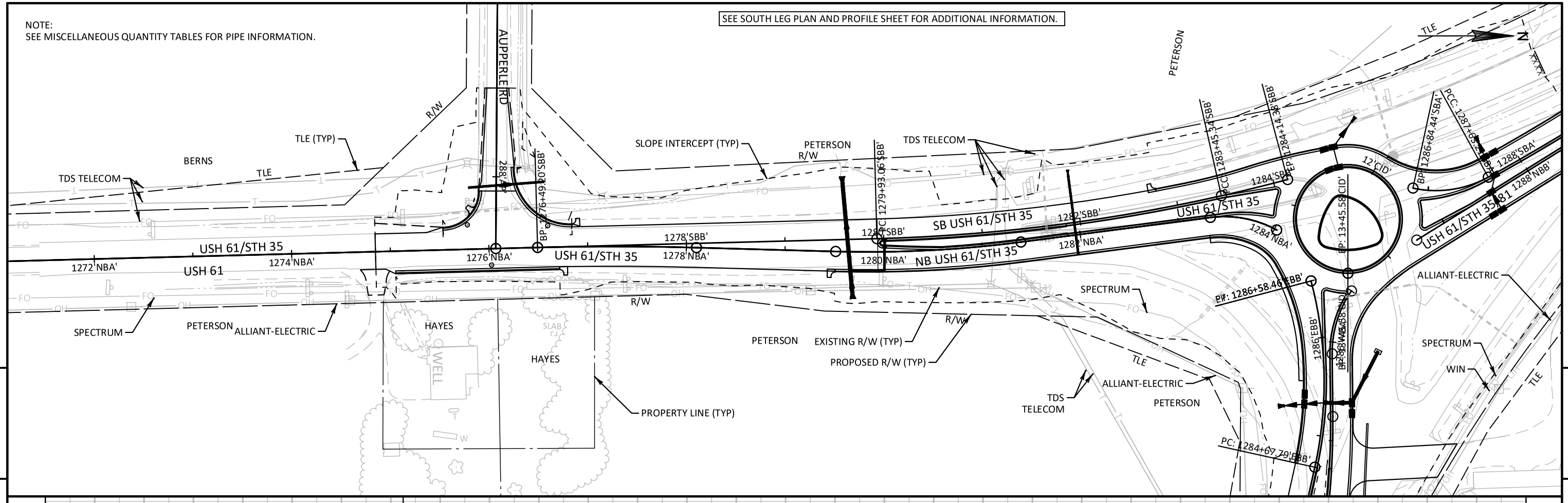
5

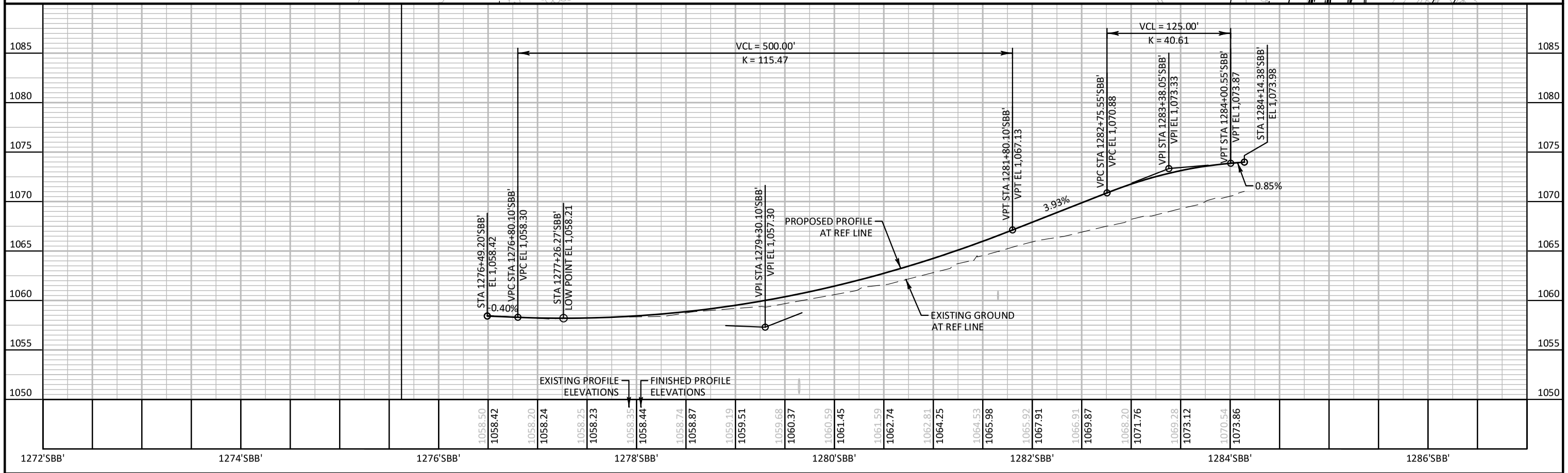
5

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: AUPPERLE ROAD AND SB USH 61/STH 35	PAGE 00 OF 04	SHEET 196	E

NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.

SEE SOUTH LEG PLAN AND PROFILE SHEET FOR ADDITIONAL INFORMATION.



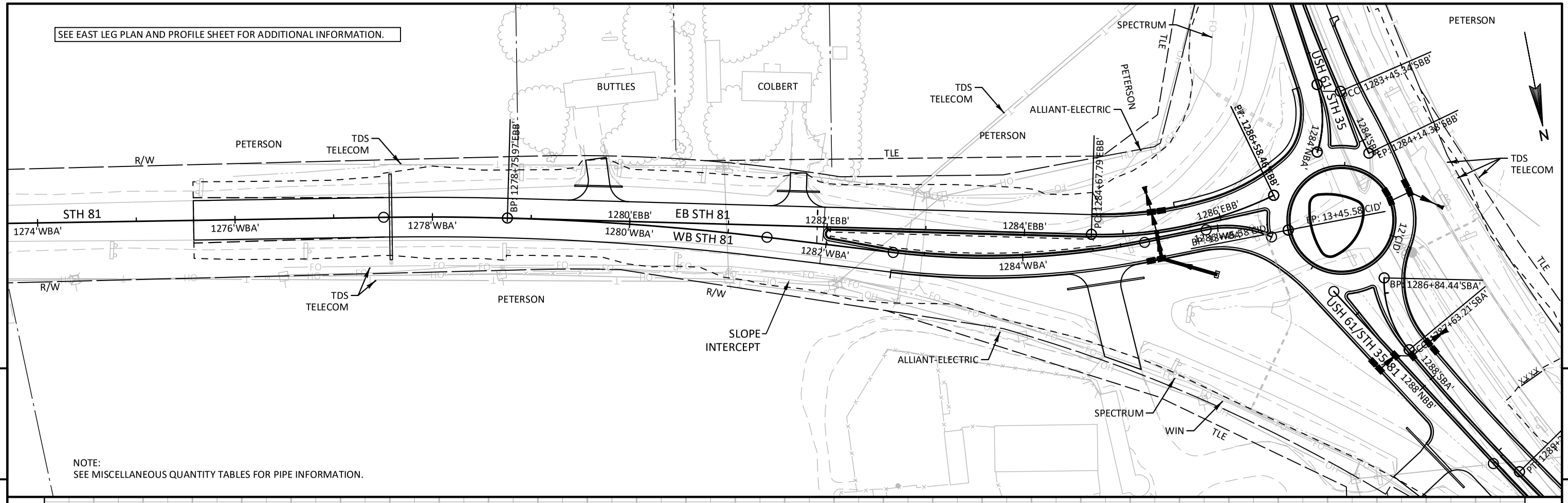


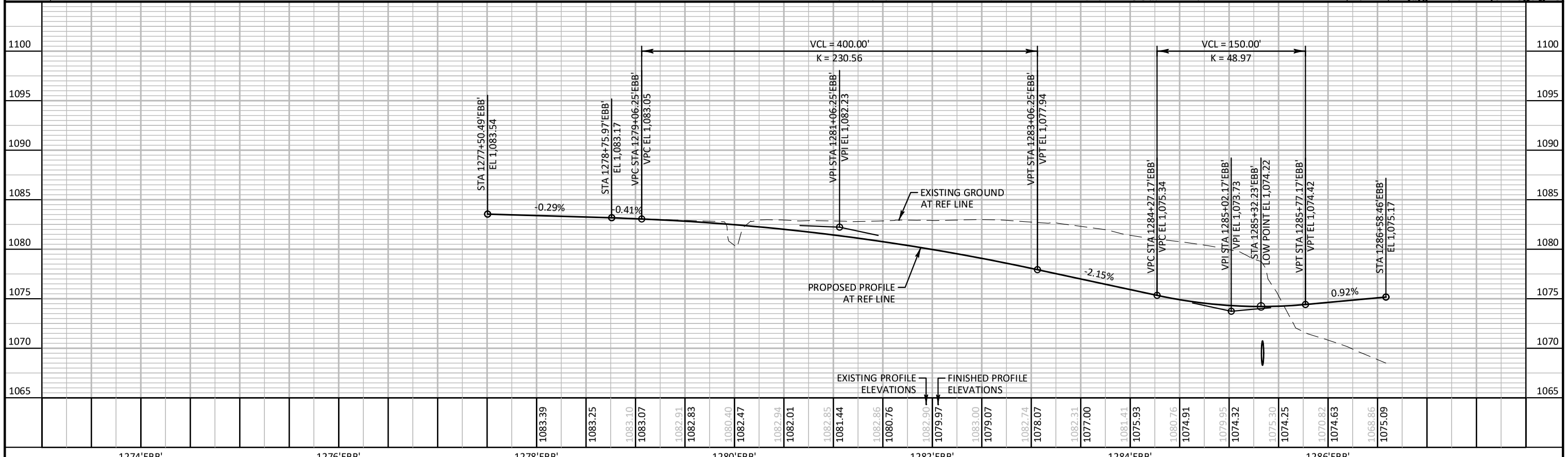
5

5

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: AUPPERLE ROAD AND SB USH 61/STH 35 PAGE 01 OF 04	SHEET 197	E

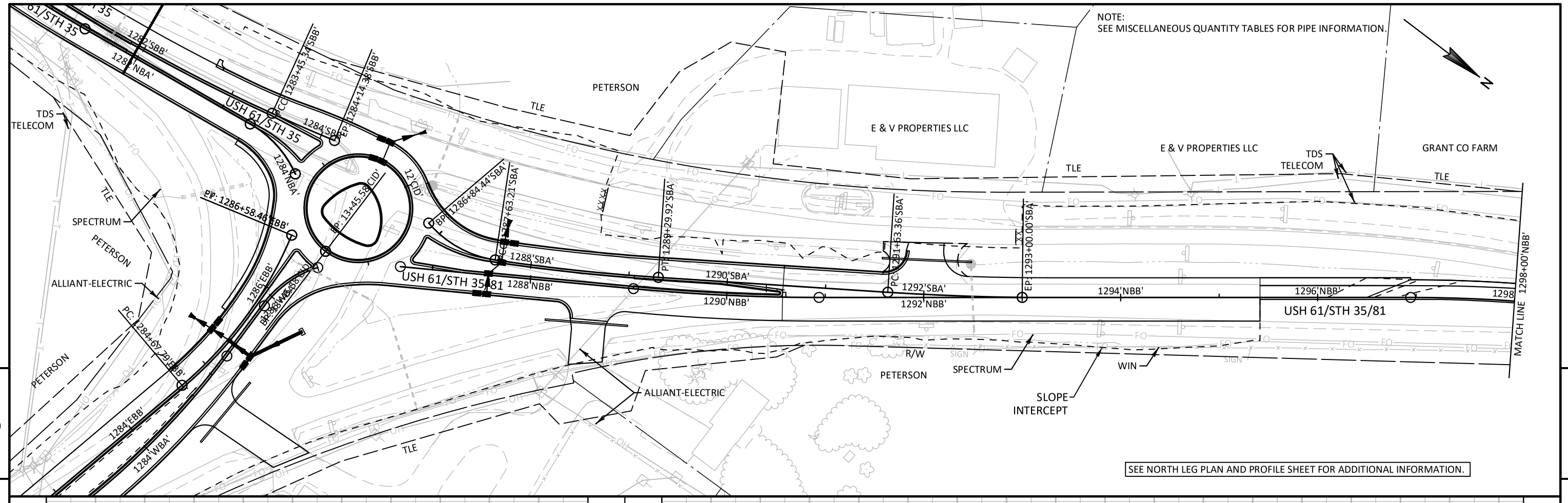
SEE EAST LEG PLAN AND PROFILE SHEET FOR ADDITIONAL INFORMATION.



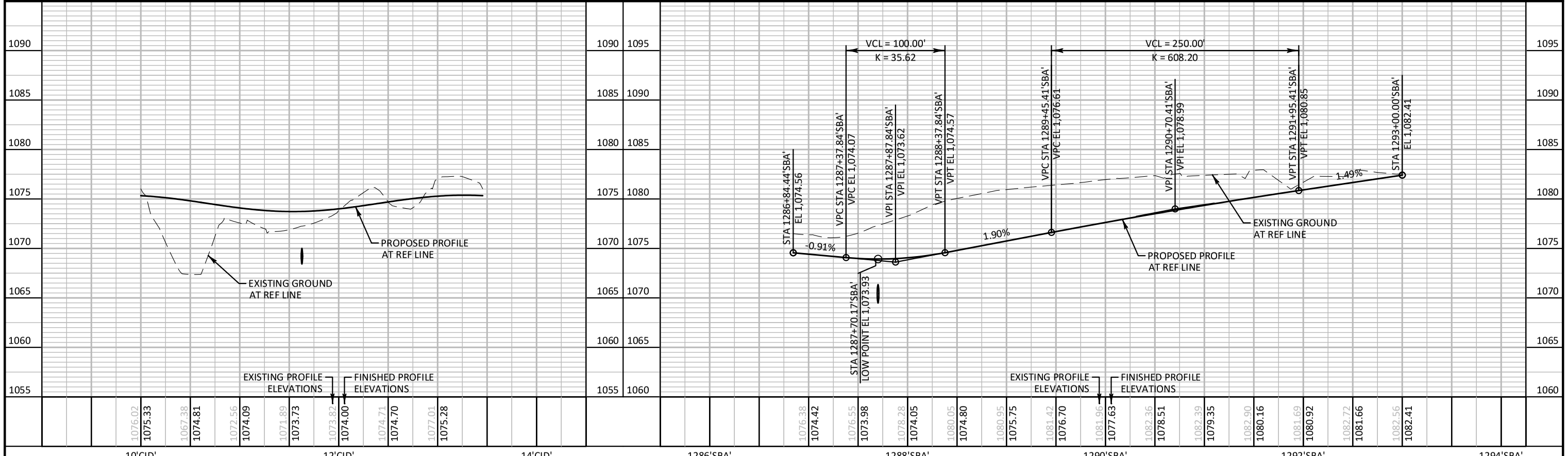


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: EB STH 81	PAGE 02 OF 04	SHEET 198	E

NOTE:
SEE MISCELLANEOUS QUANTITY TABLES FOR PIPE INFORMATION.



SEE NORTH LEG PLAN AND PROFILE SHEET FOR ADDITIONAL INFORMATION.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: ROUND ABOUT CIRCLE AND SB USH 61/STH 35/81 PAGE 03 OF 04	SHEET 199	E

Standard Detail Drawing List

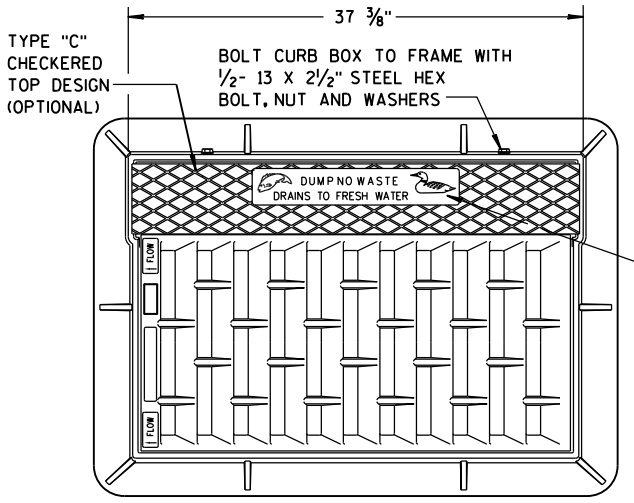
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
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
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
08F10-02	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C19-03	HMA LONGITUDINAL JOINTS
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
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
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-06A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-06B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-06C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-07A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D20-06B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
15D50-02A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-02B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

6

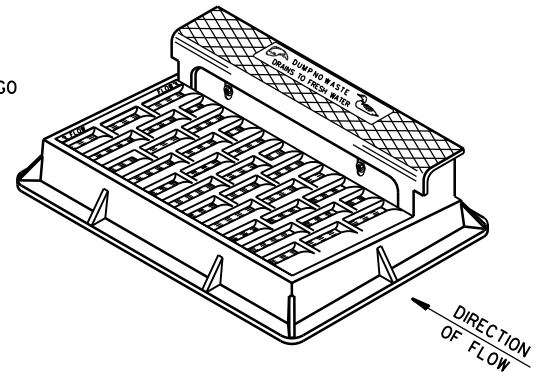
Standard Detail Drawing List

15D51-01 TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

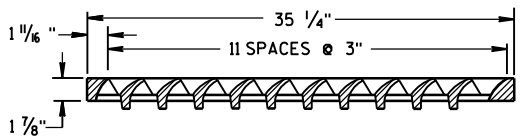
6

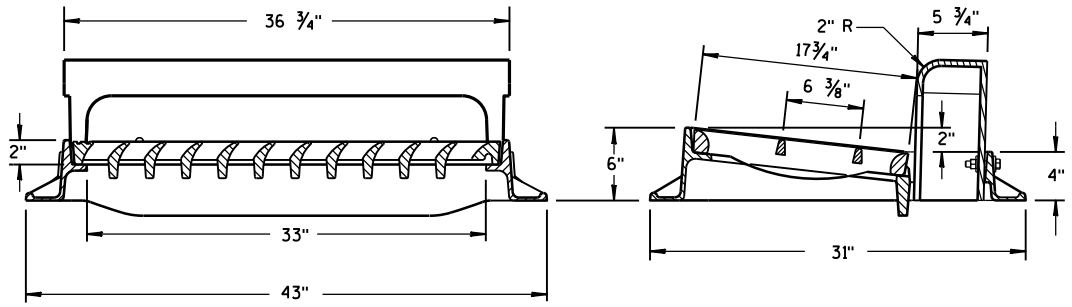


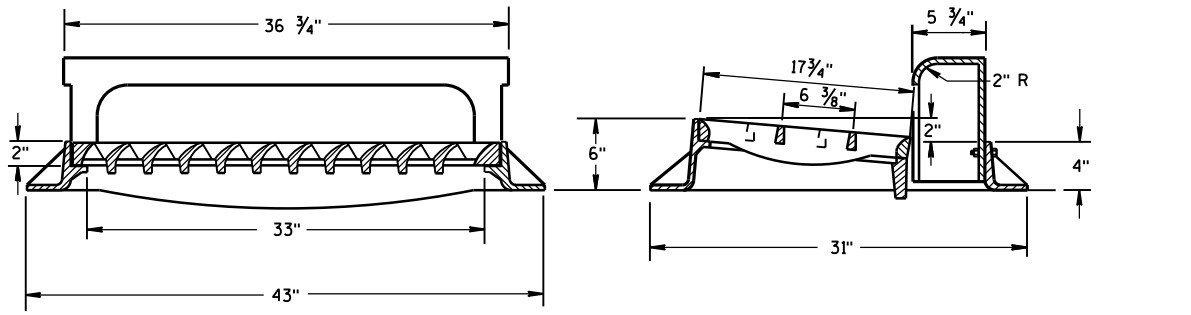
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

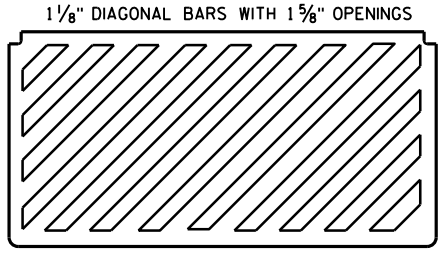






TYPE "H"

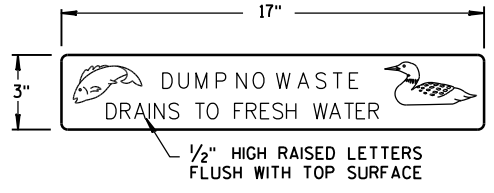
NOTE: EITHER CASTING IS ACCEPTABLE



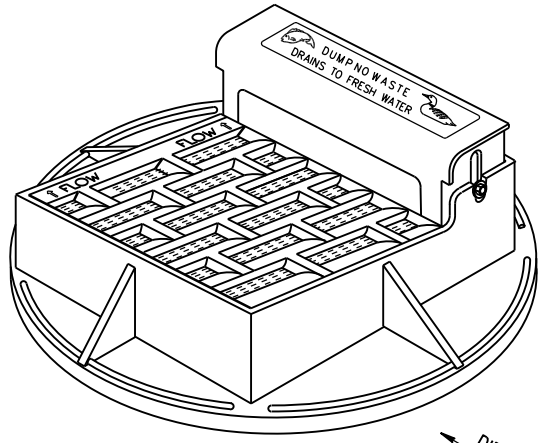
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

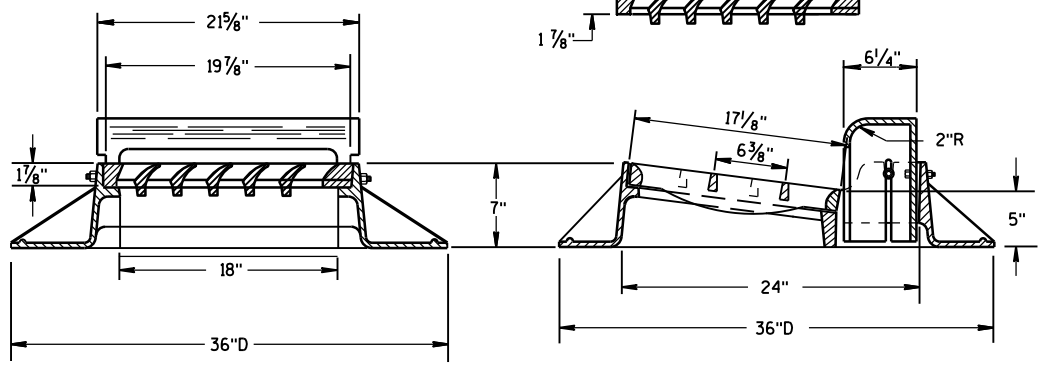


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



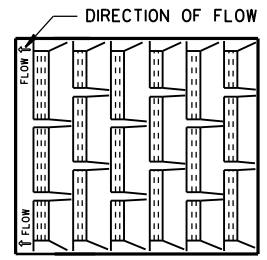
TYPE "A"

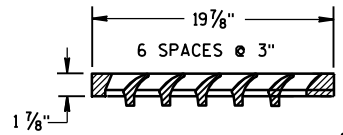
GENERAL NOTES

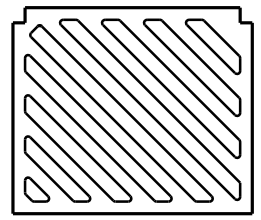
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.



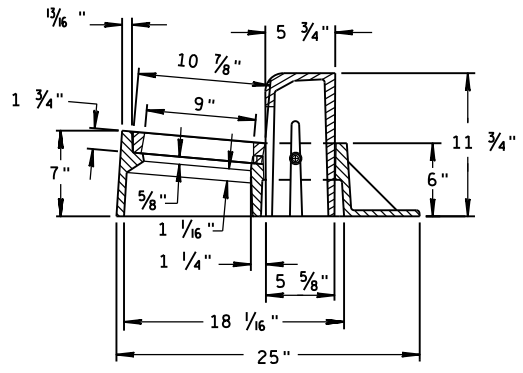


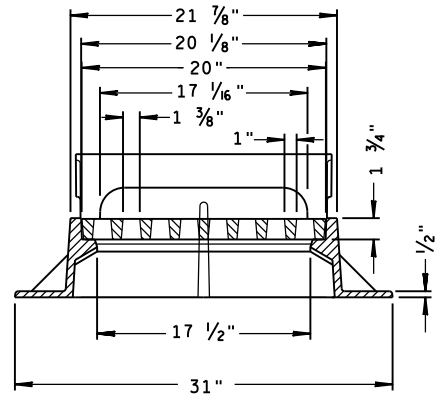


SPECIAL GRATE FOR TYPE "A" COVER

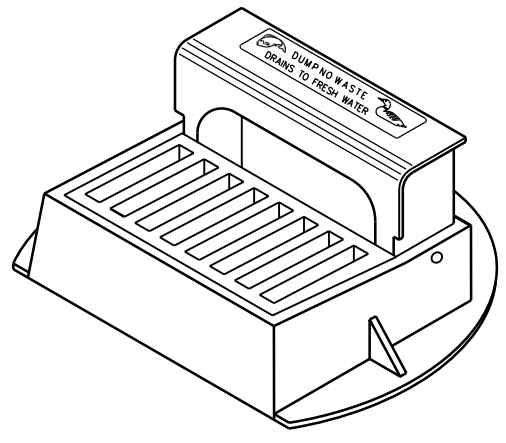
(MEASURES 19 3/4" X 17" X 1 7/8")

(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

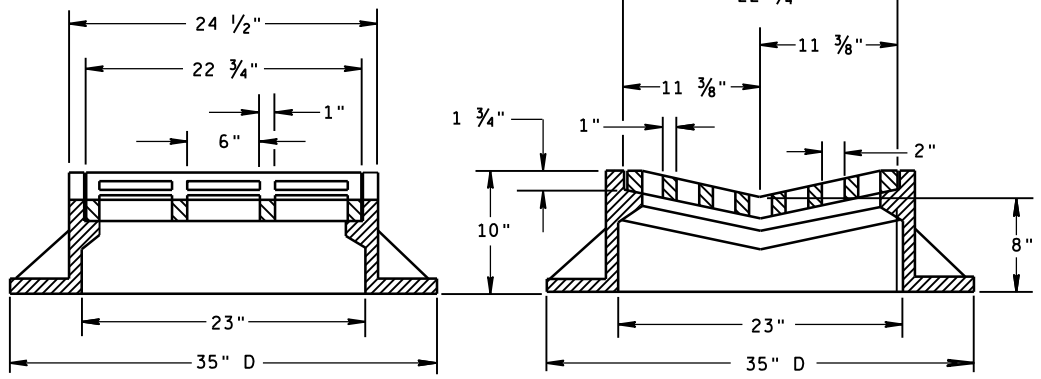
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

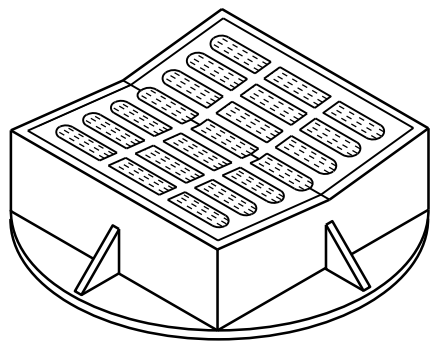
6

S.D.D. 8 A 5-19a

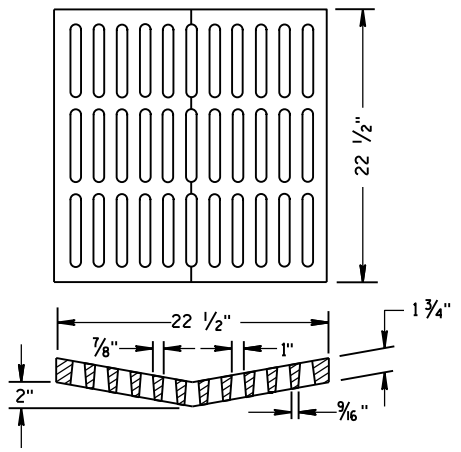
6

S.D.D. 8 A 5-19a



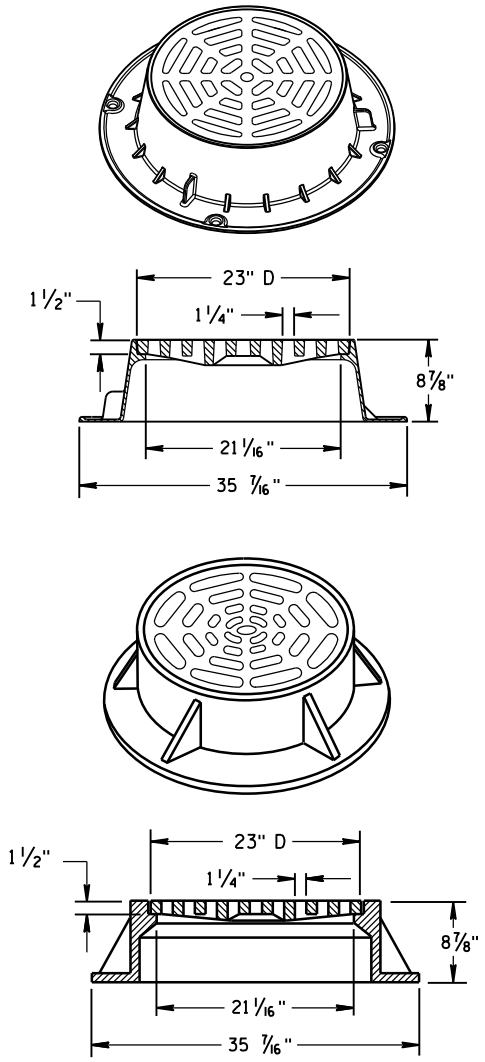


TYPE "B"



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"

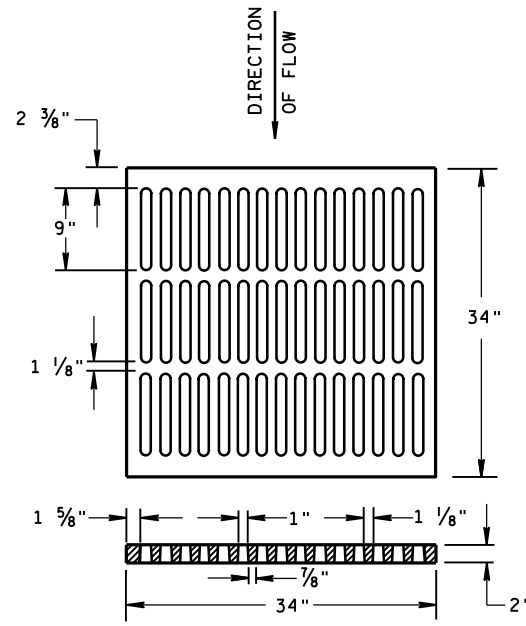
NOTE: EITHER CASTING IS ACCEPTABLE

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.

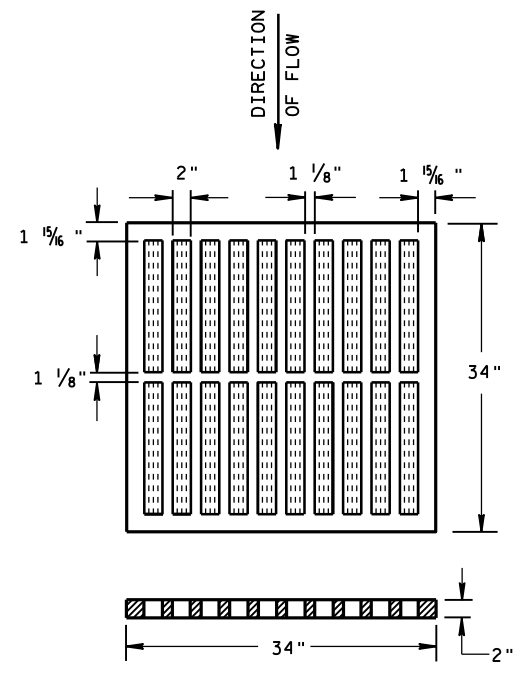
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



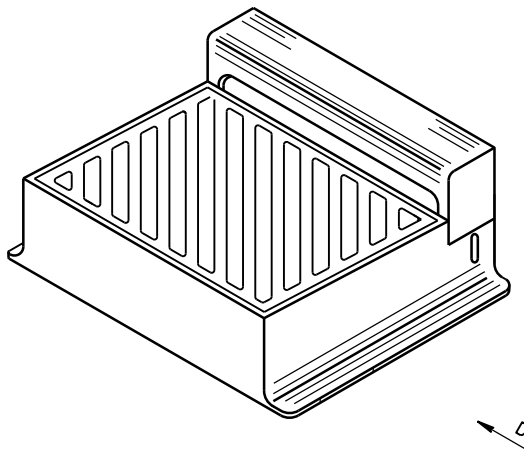
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

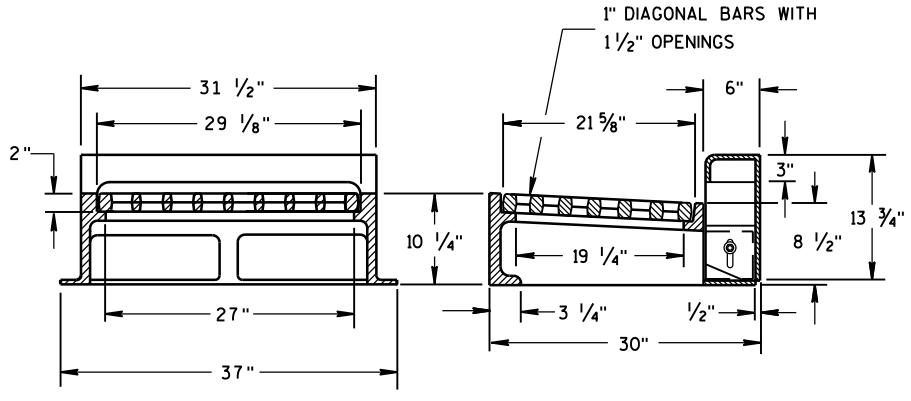


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



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"

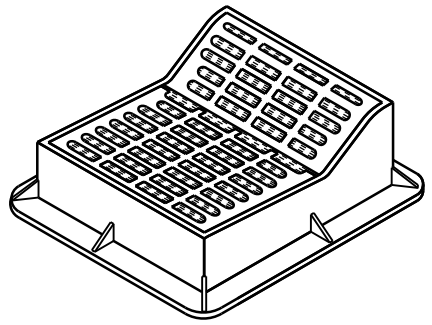
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

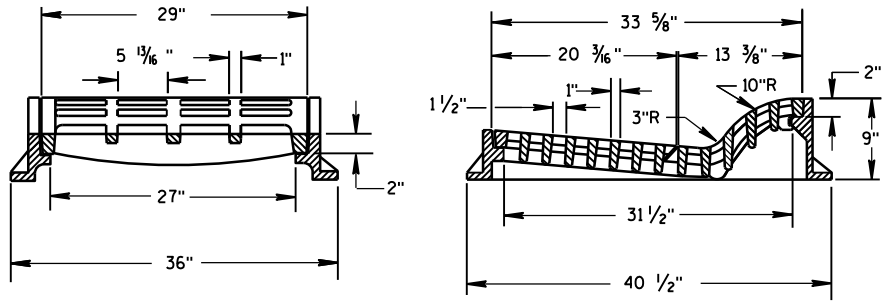
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

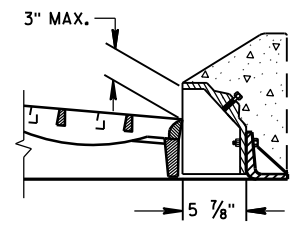
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

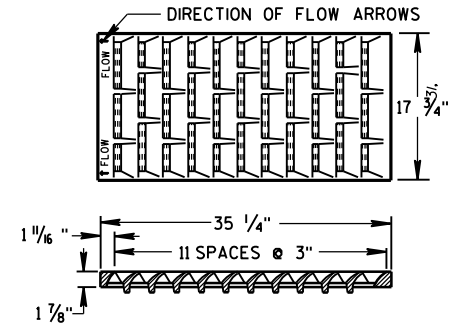
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

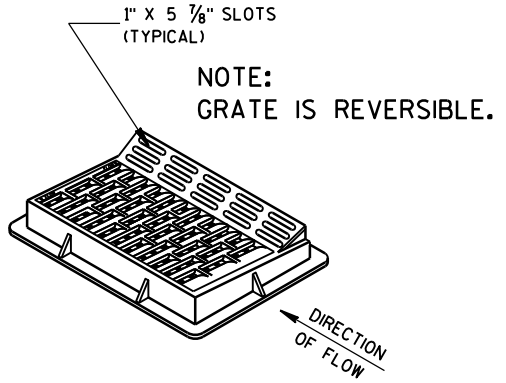
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

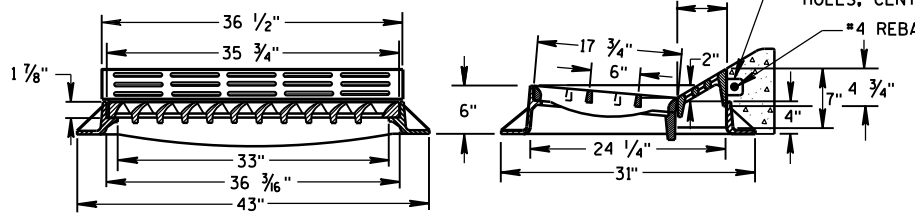
GENERAL NOTES

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 INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



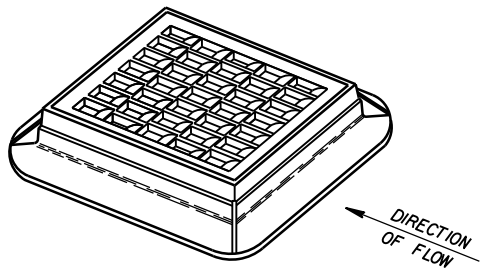


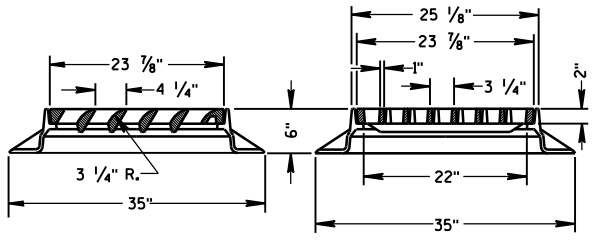


TYPE "HM"

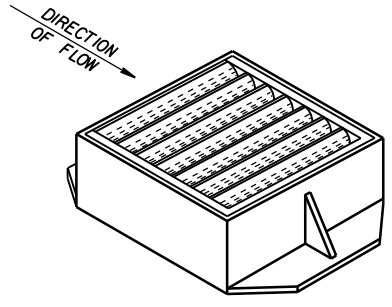
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

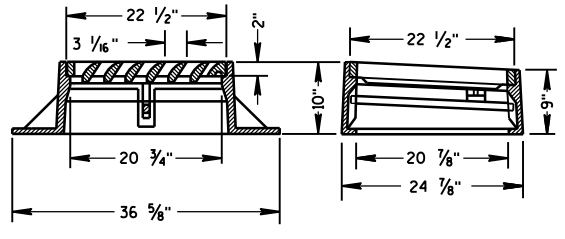
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



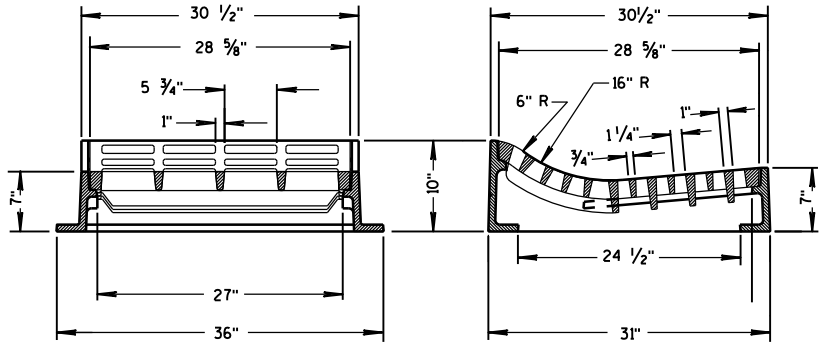


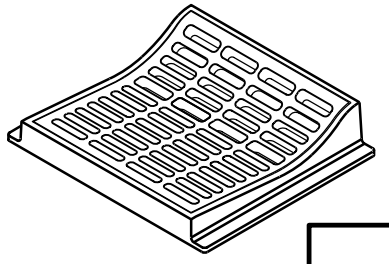
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

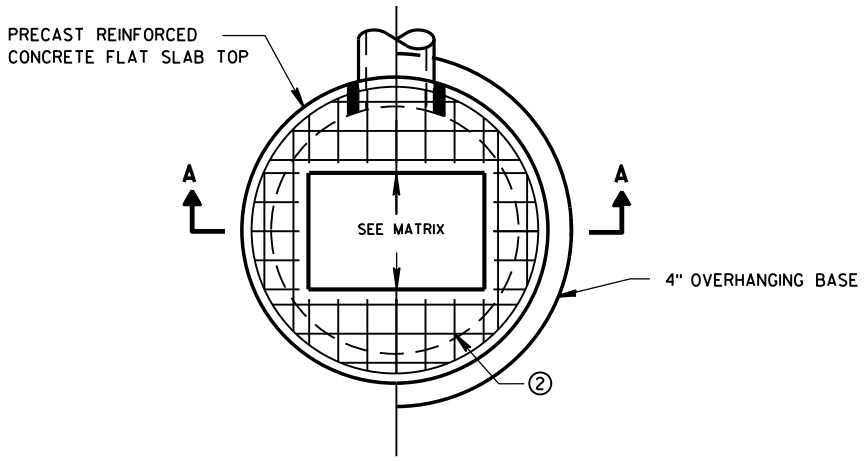
FHWA

6

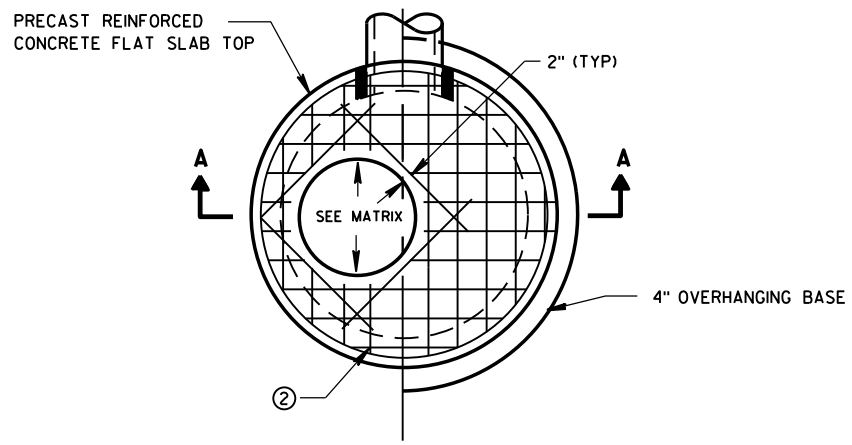
S.D.D. 8 A 5-19c

6

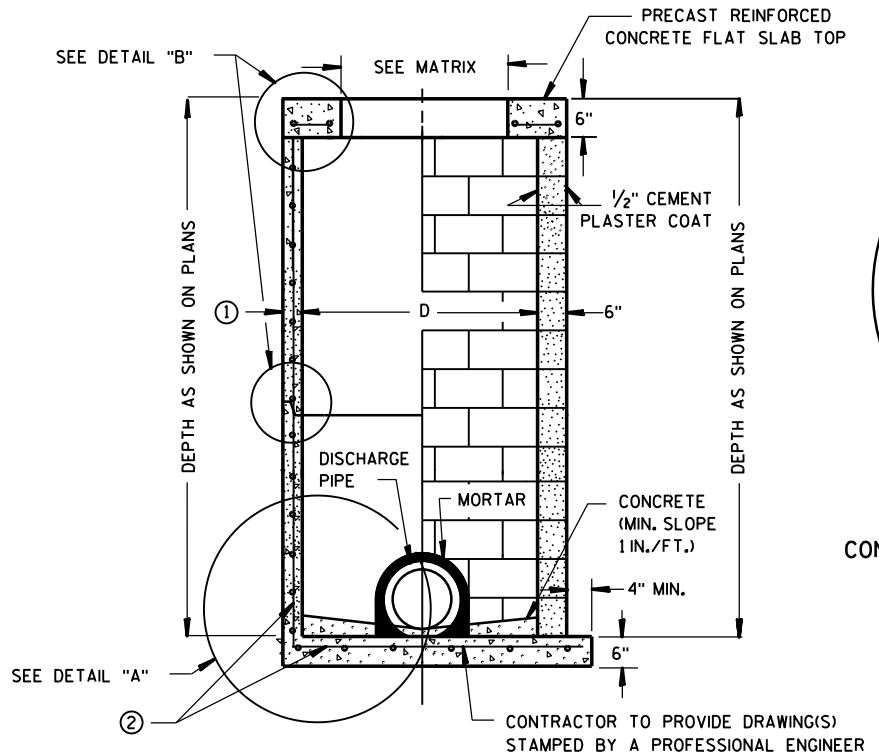
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

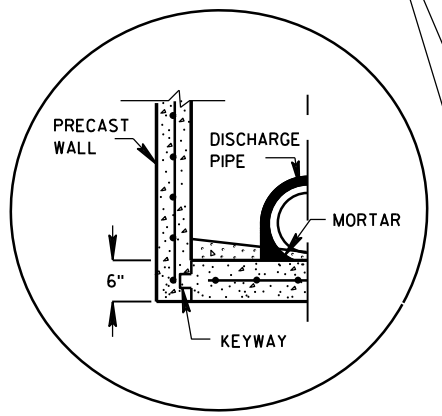


SECTION A-A

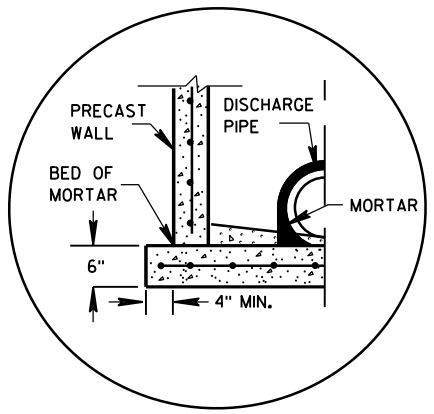
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

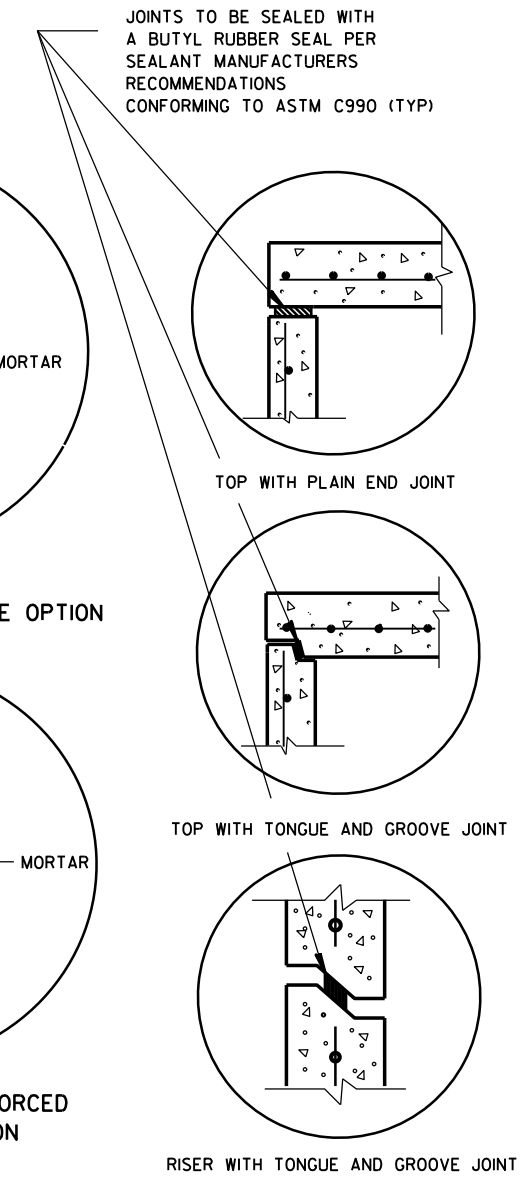


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

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.

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.

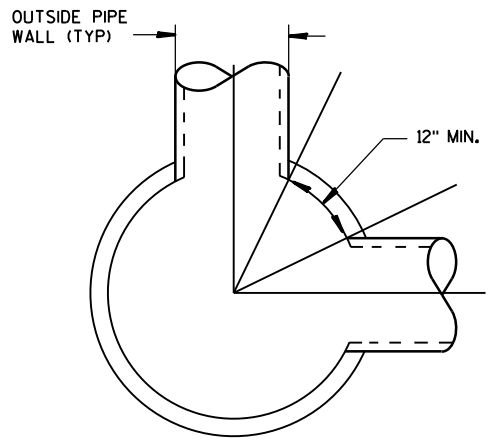
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

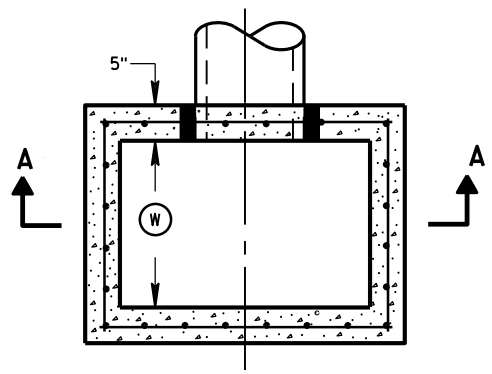
INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

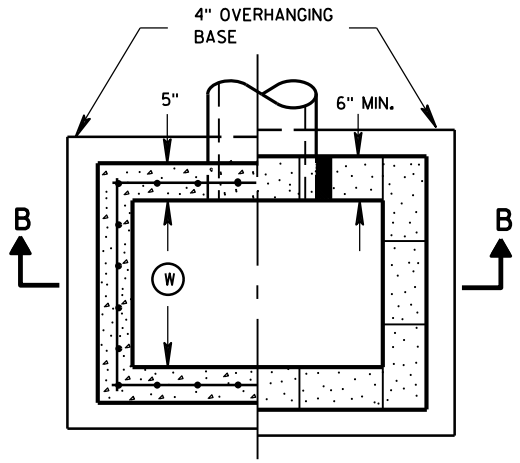
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

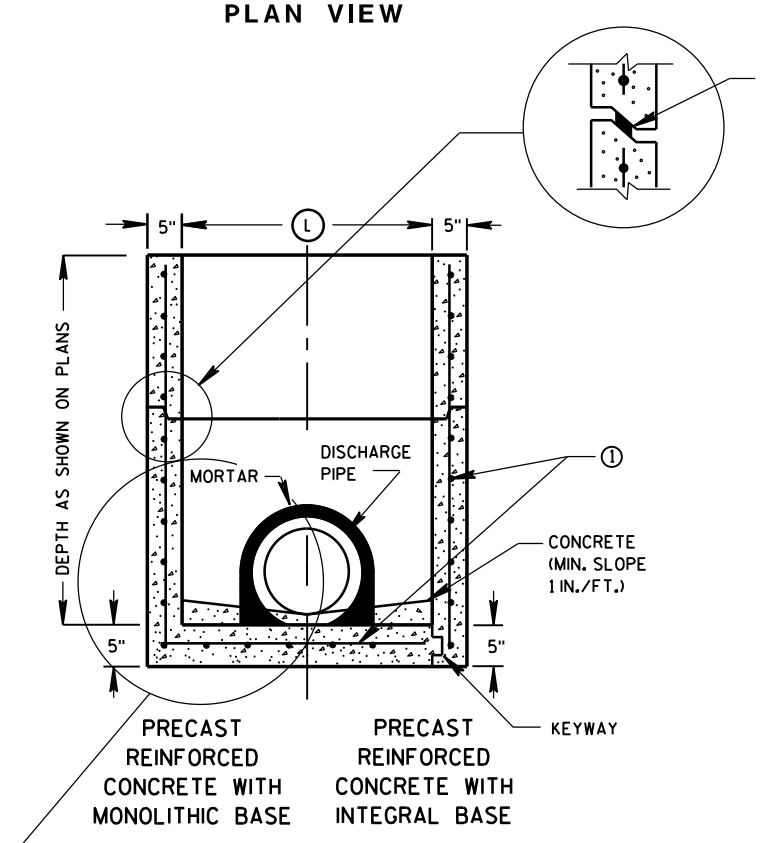
INLETS 3-FT AND 4-FT DIAMETER



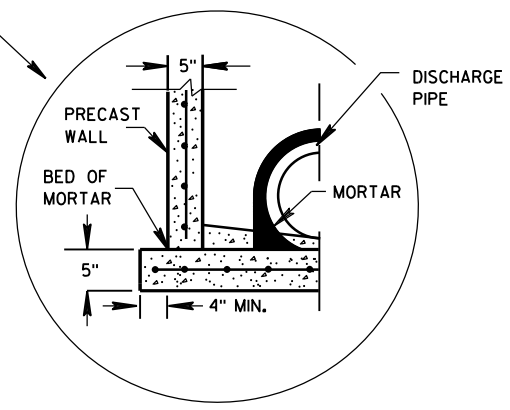
PLAN VIEW



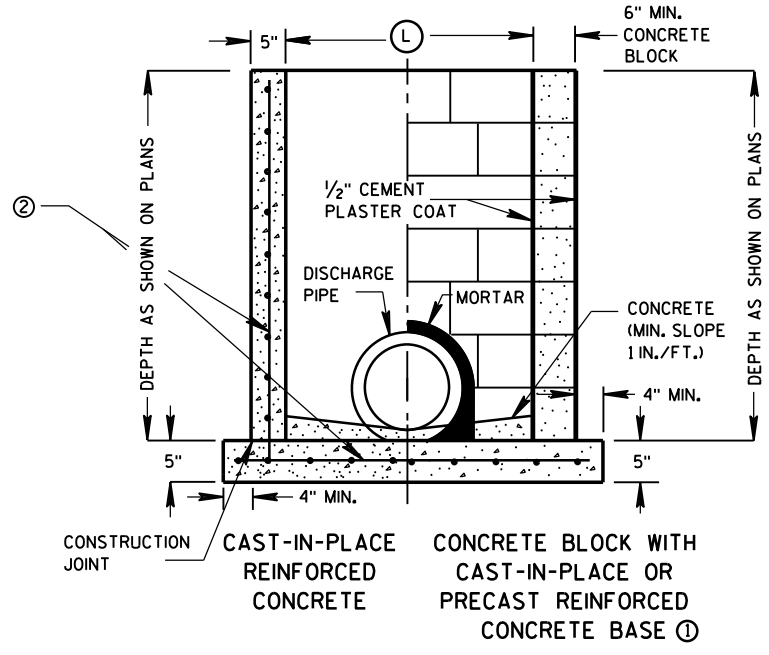
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-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.

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.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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.

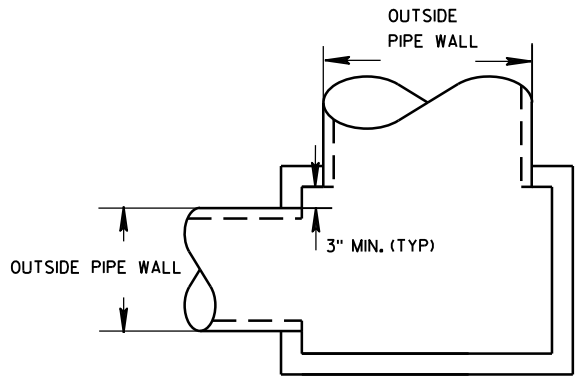
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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"

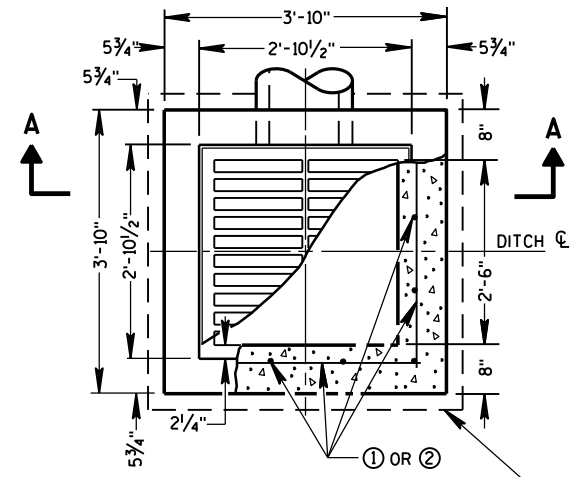
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

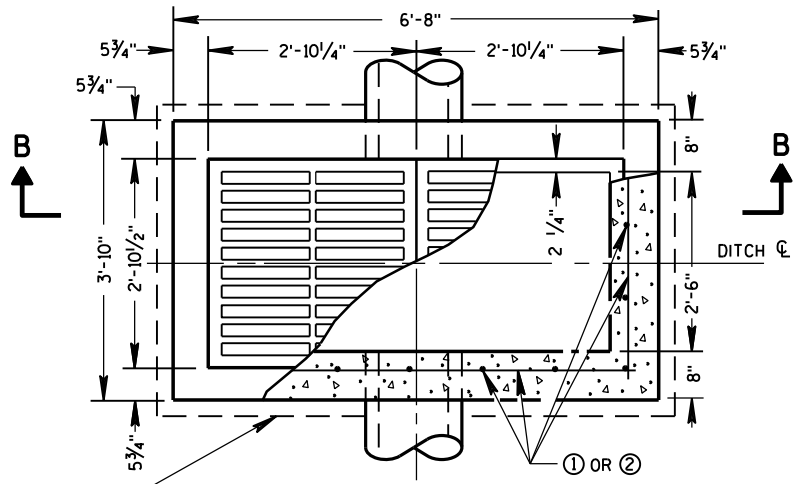
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

6

S.D.D. 8 C 7-2

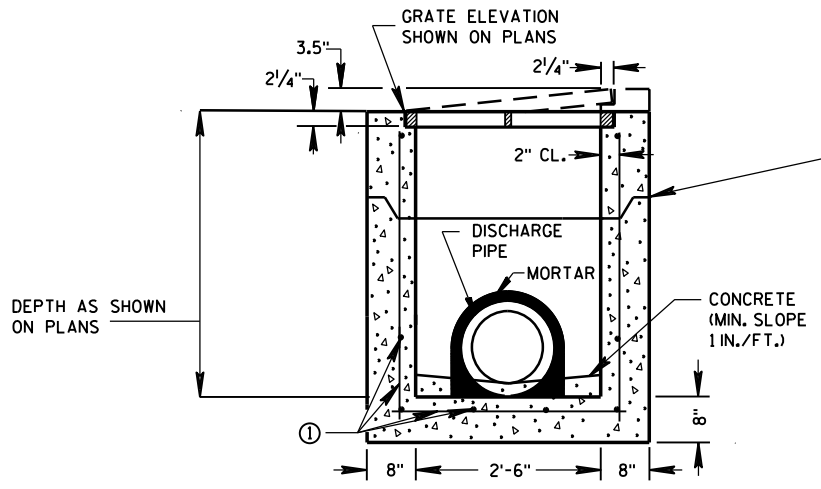


PLAN VIEW

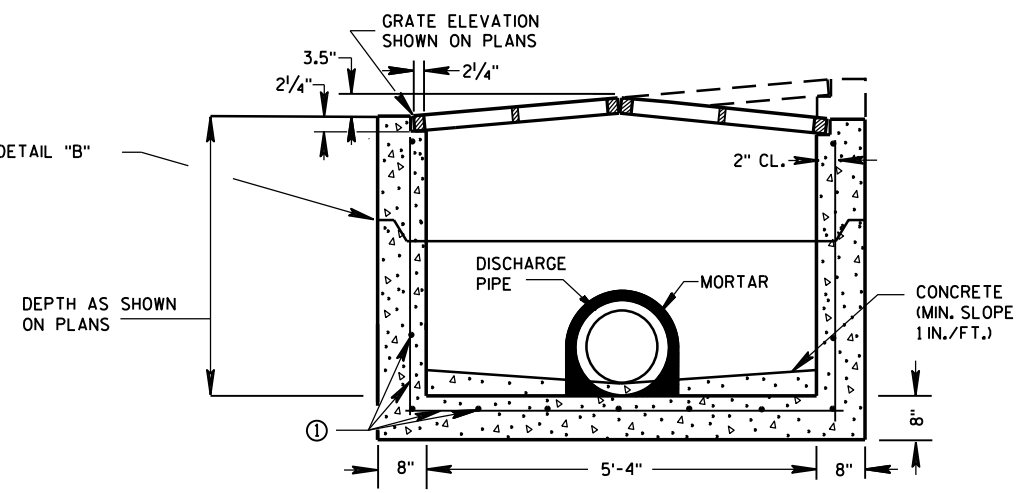


PLAN VIEW

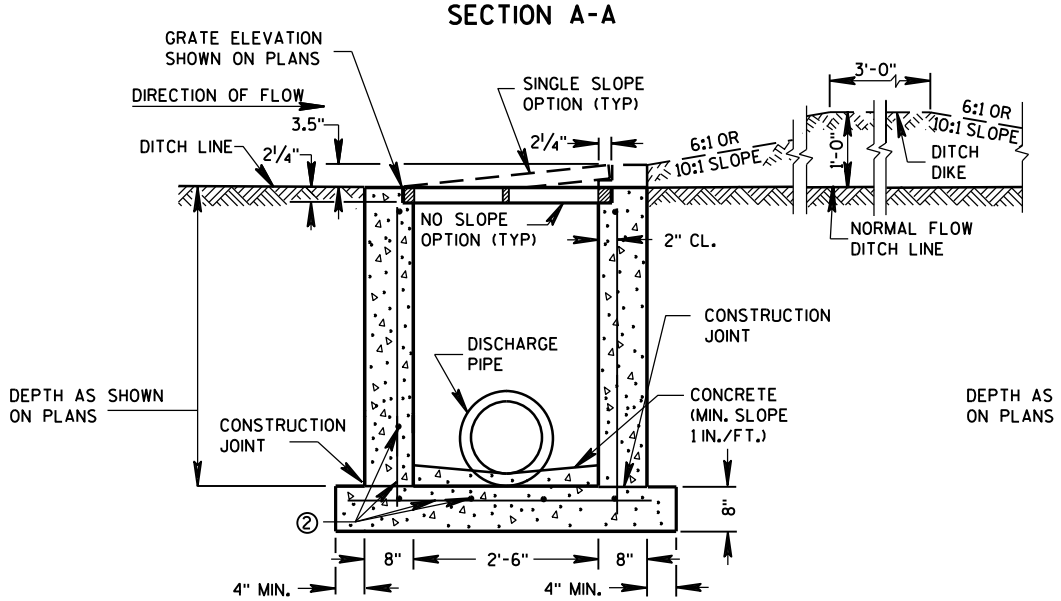
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

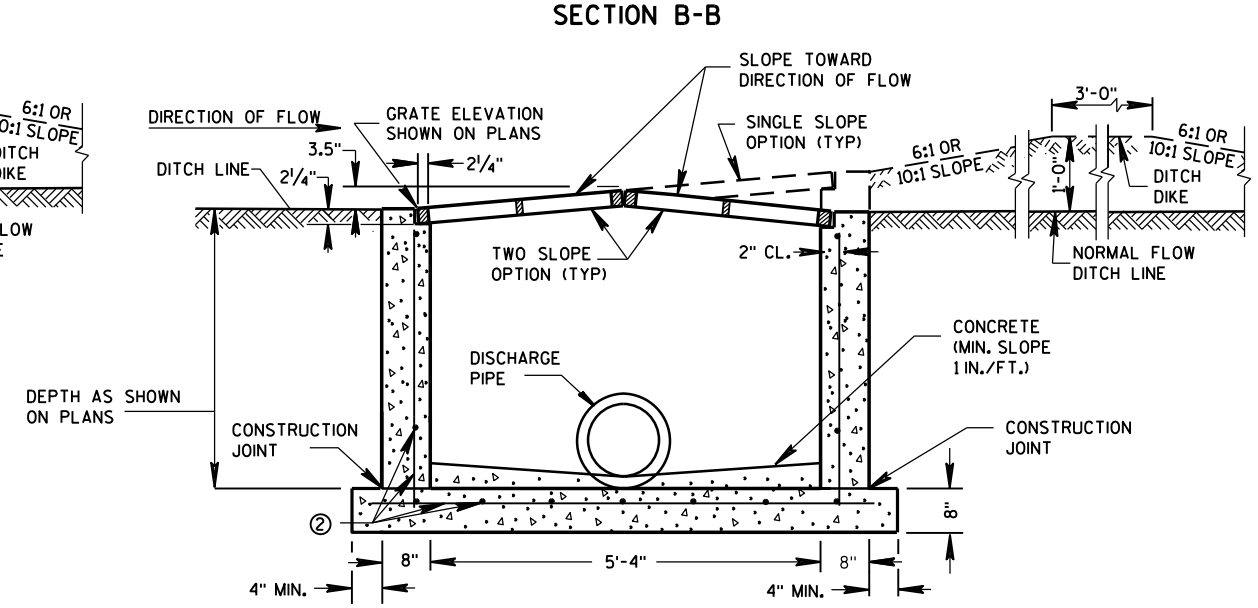


PRECAST REINFORCED CONCRETE SECTION B-B



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

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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

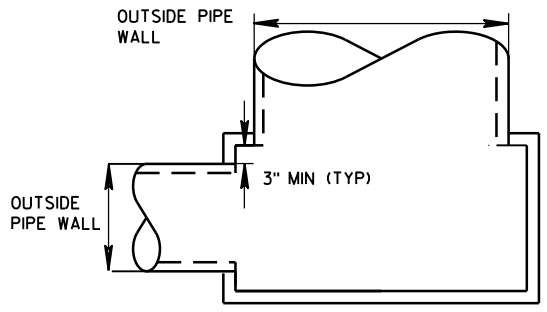
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

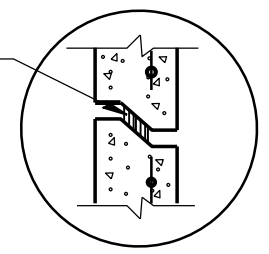
PIPE MATRIX

	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

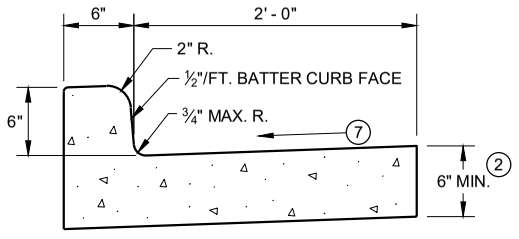
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

6

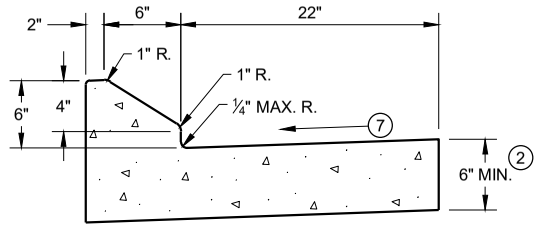
S.D.D. 8 C 8-2

6

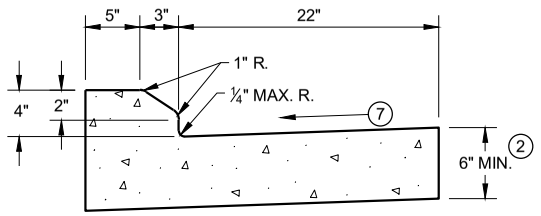
S.D.D. 8 C 8-2



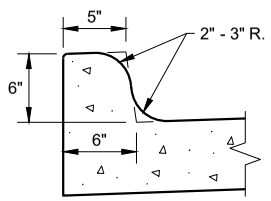
TYPES A (1) & D



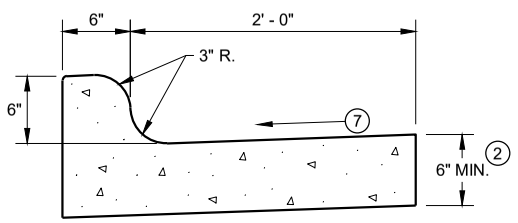
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

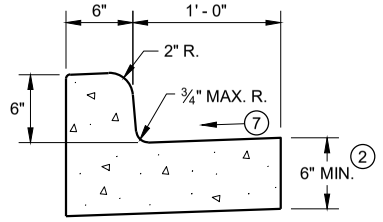


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



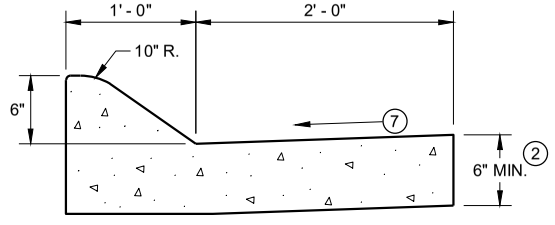
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

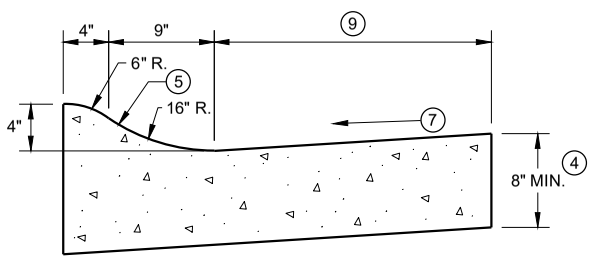
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

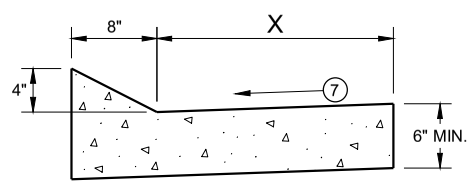
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

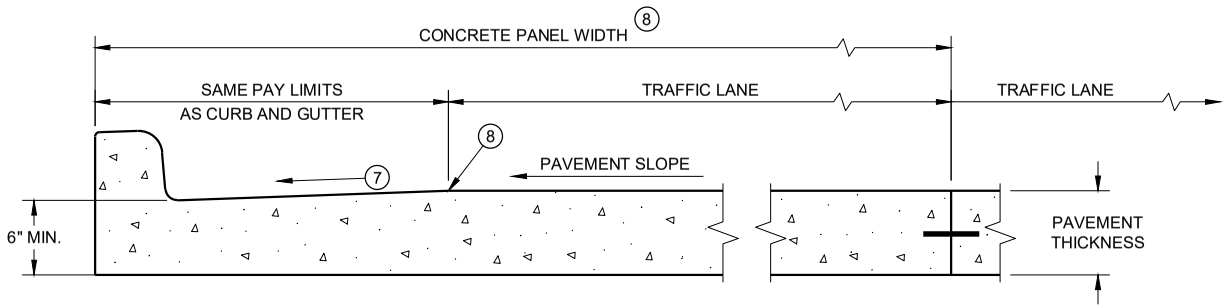


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

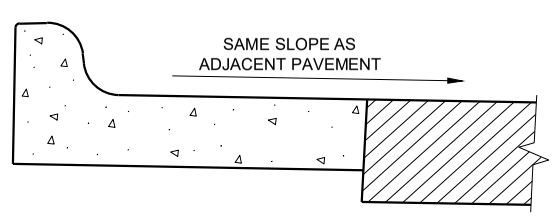
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES 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.

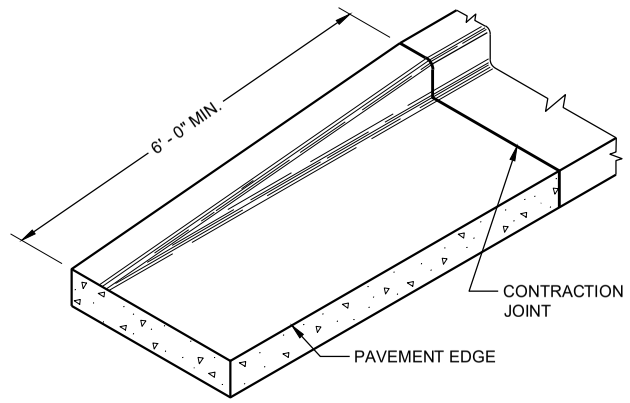
(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(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.

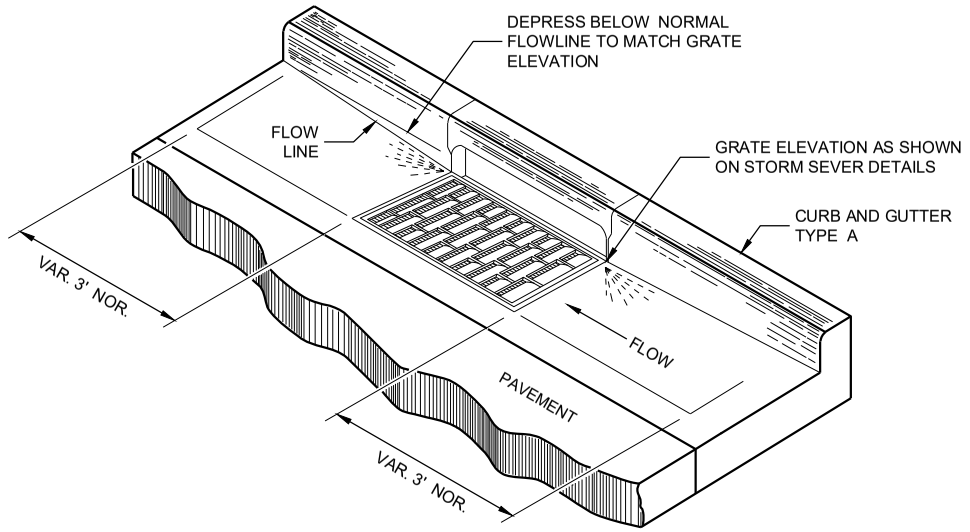
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 208



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

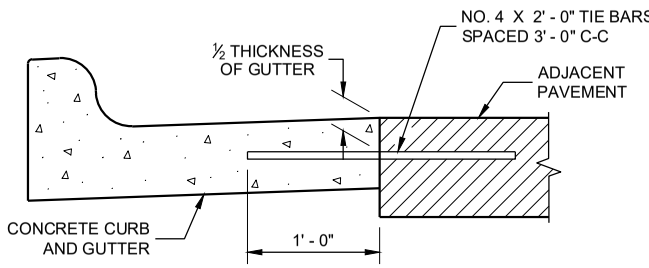
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

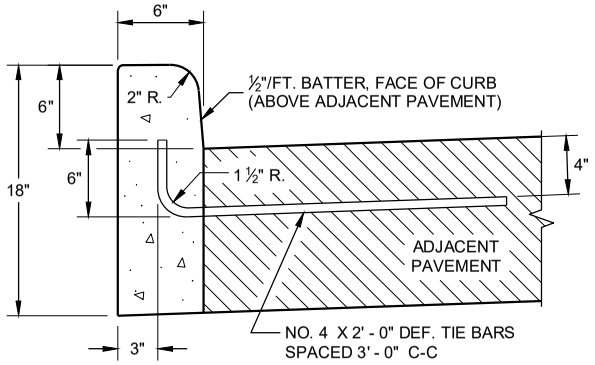
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

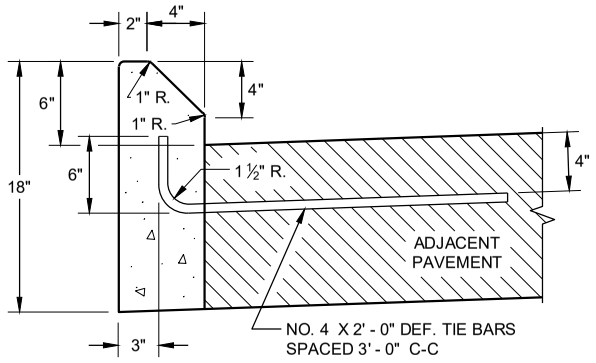
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

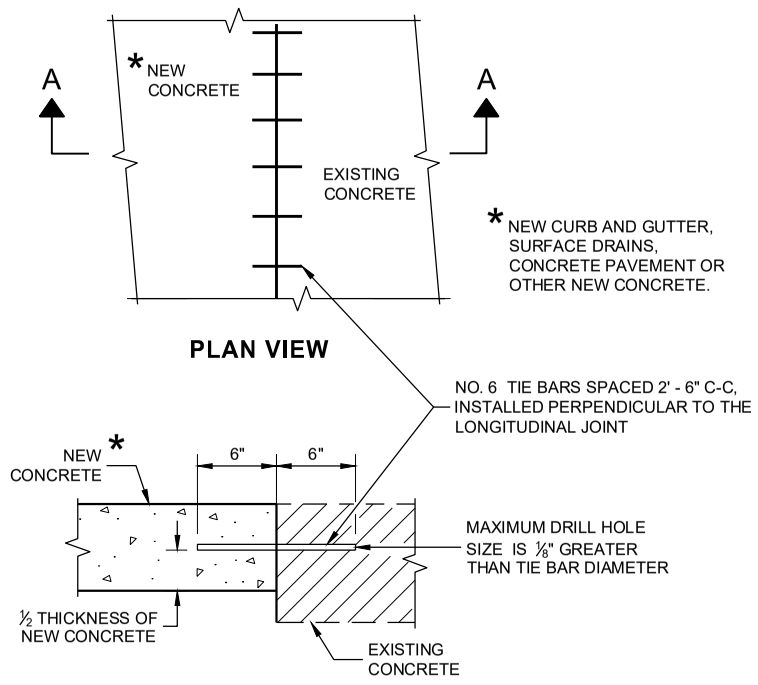


TYPES A (1) & D



TYPES G (1) & J

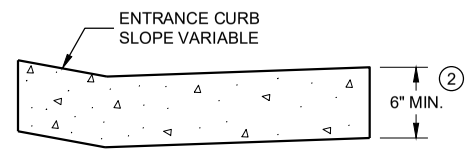
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

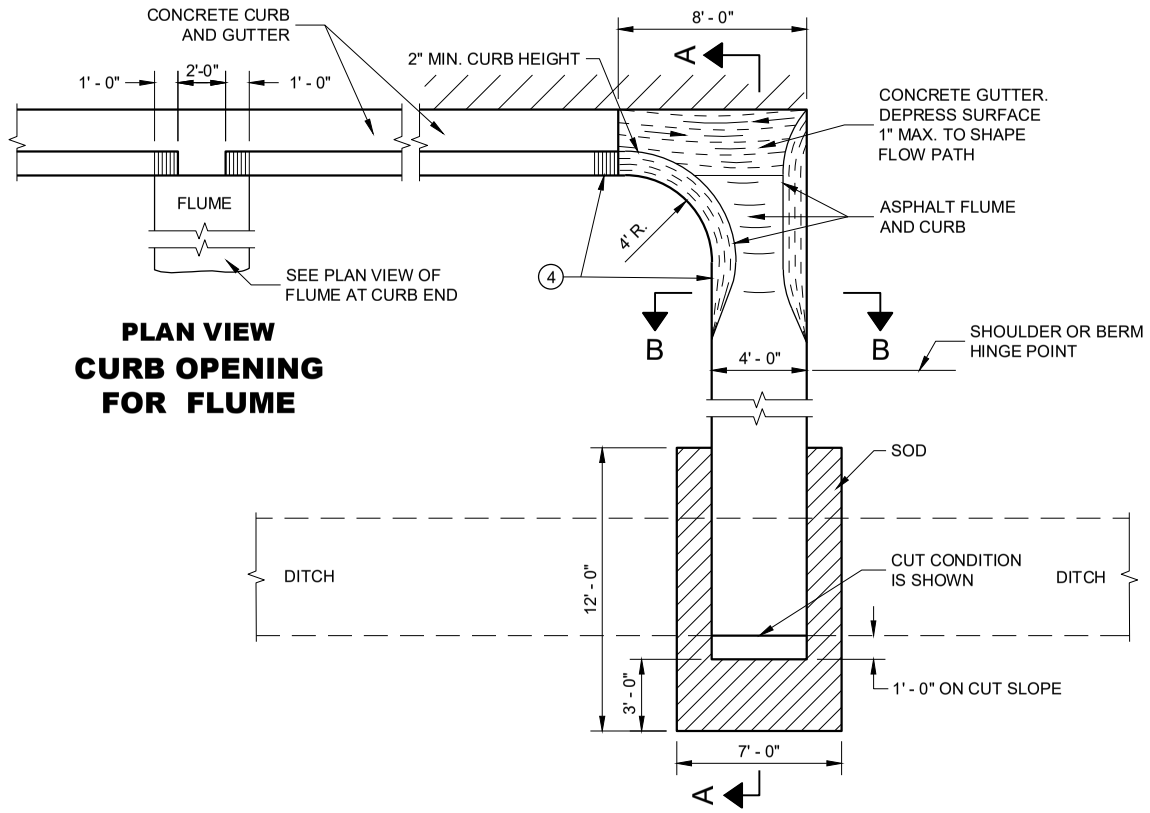
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD 08D01 - 22b

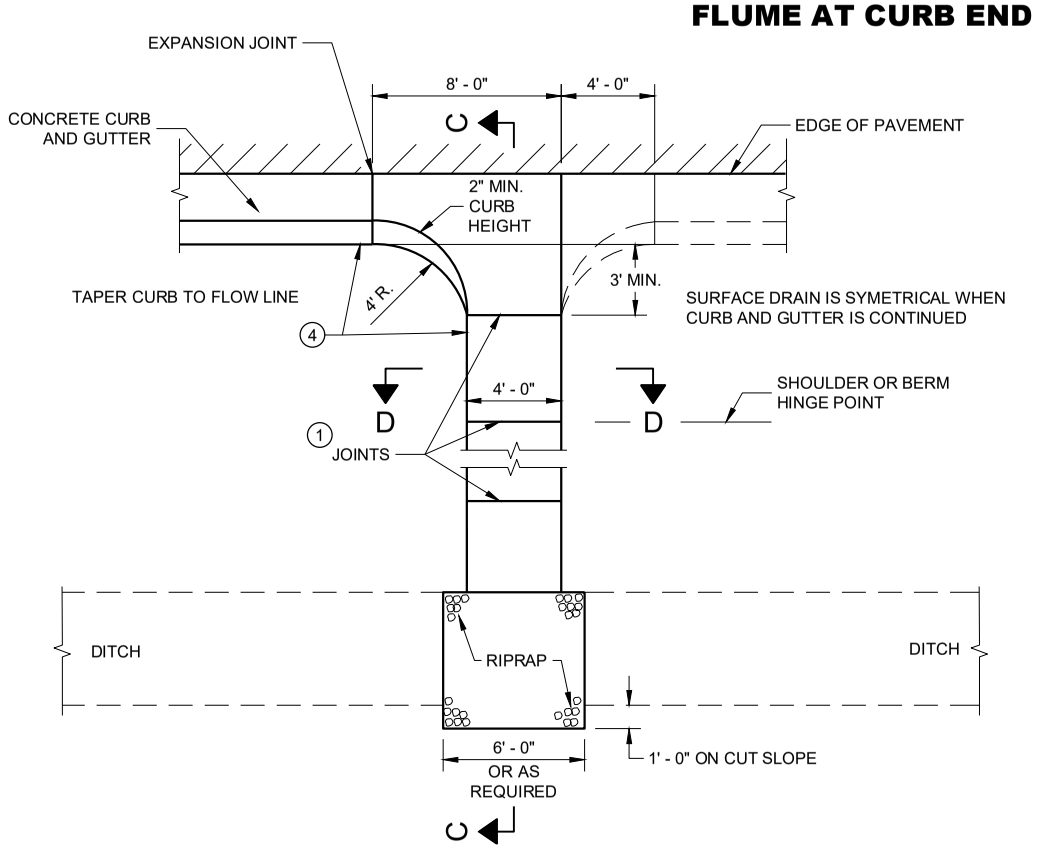
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



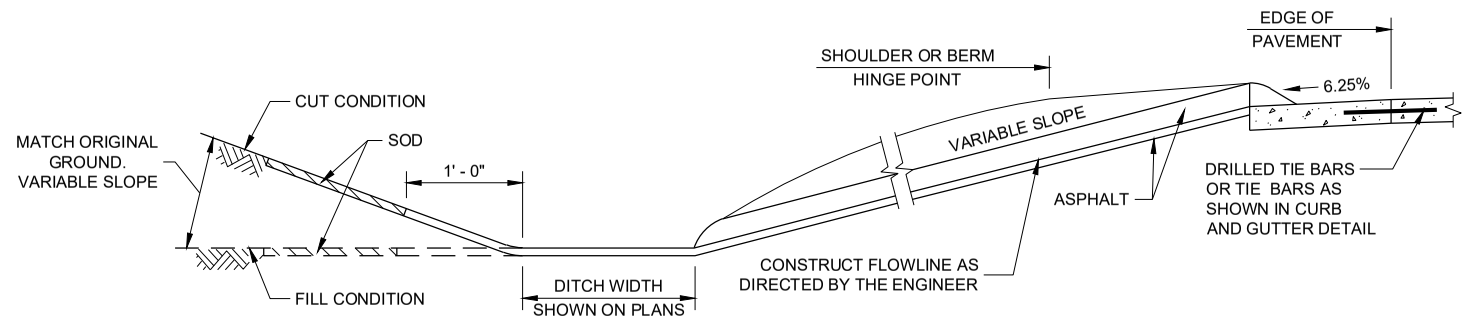
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

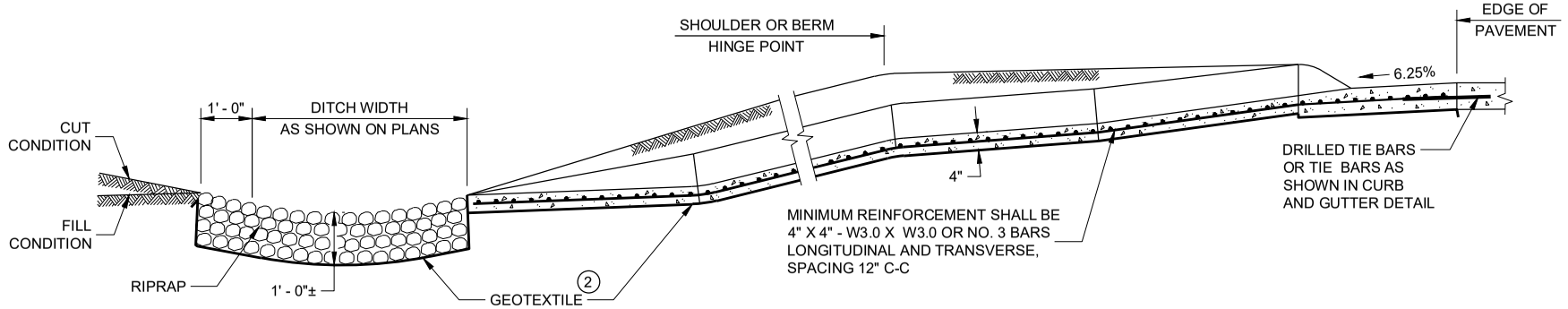
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

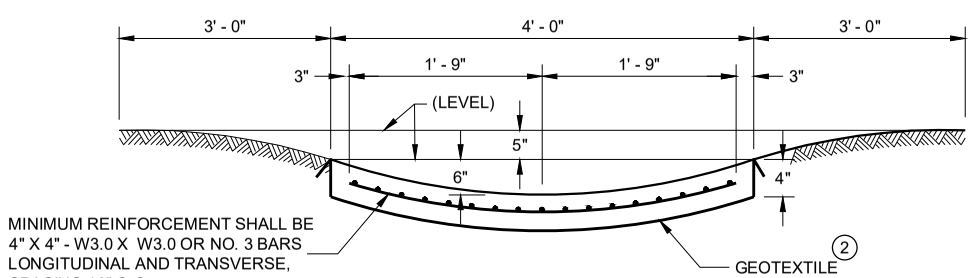


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 08D04 - 06

6

SDD 08D04 - 06

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

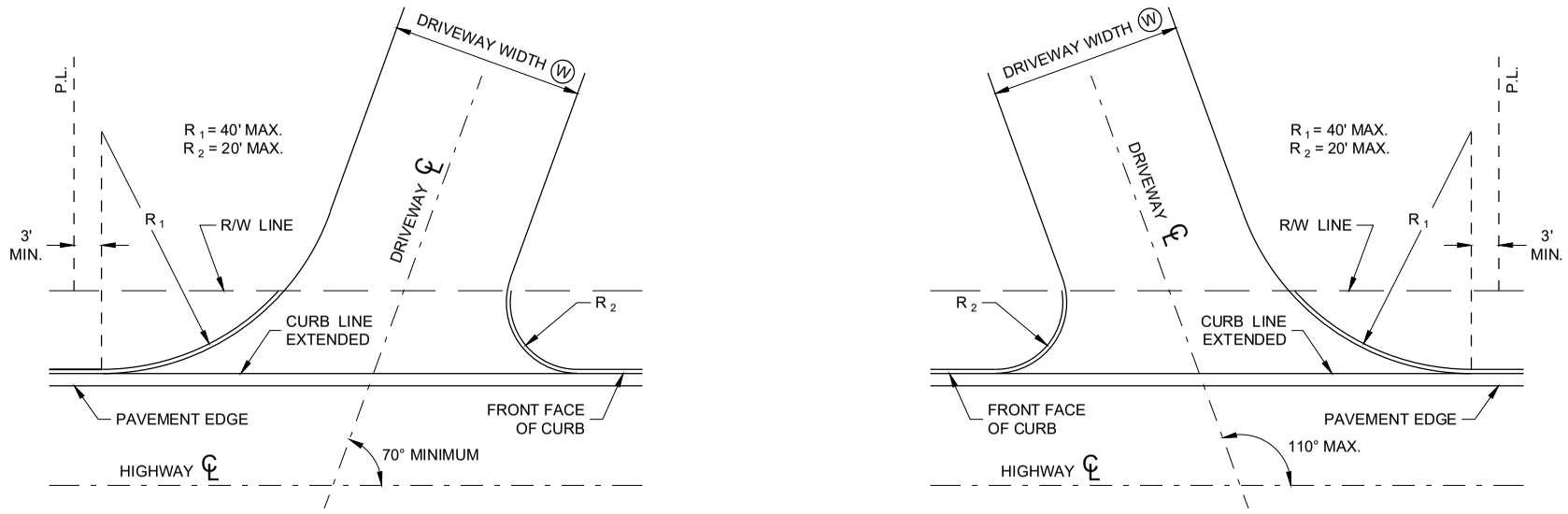
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

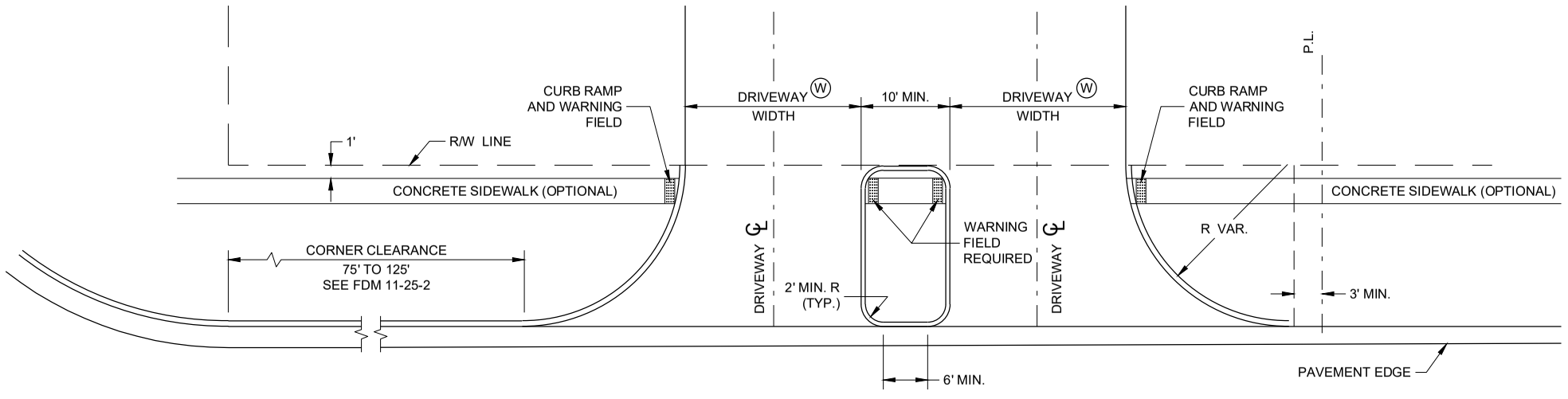
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

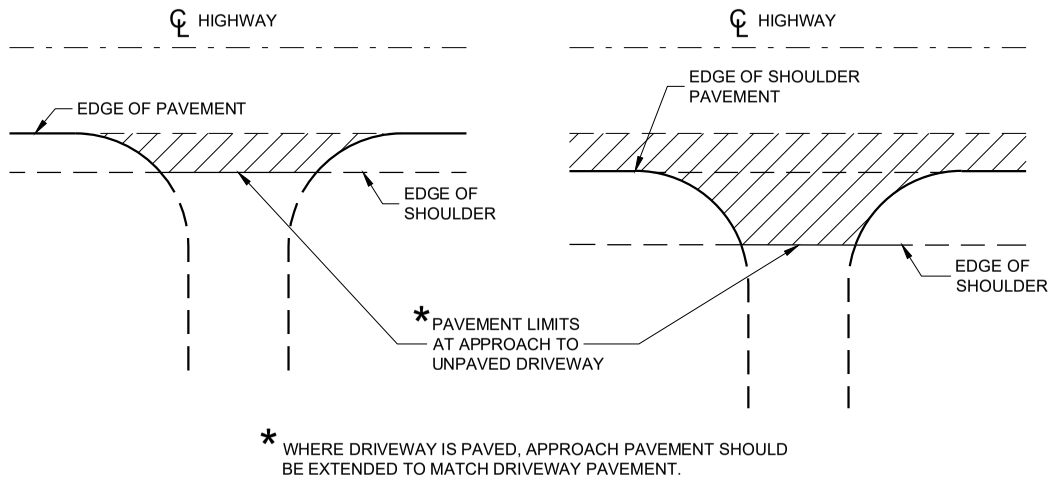
DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
00-00-00 — DATE
/S/ <AUTHOR> — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

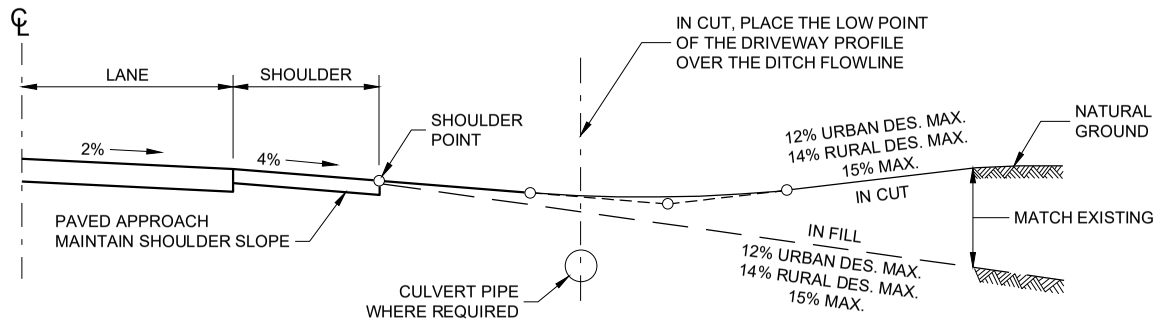
SDD 08D20 - 01
SDD 08D20 - 01



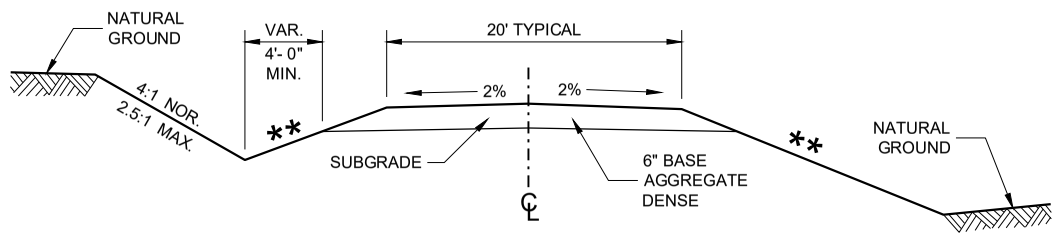
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

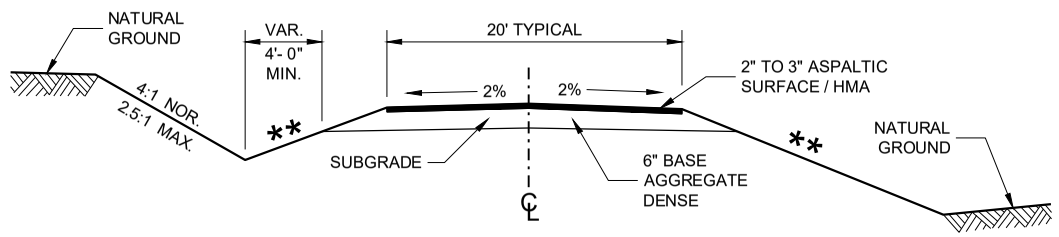


IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

6

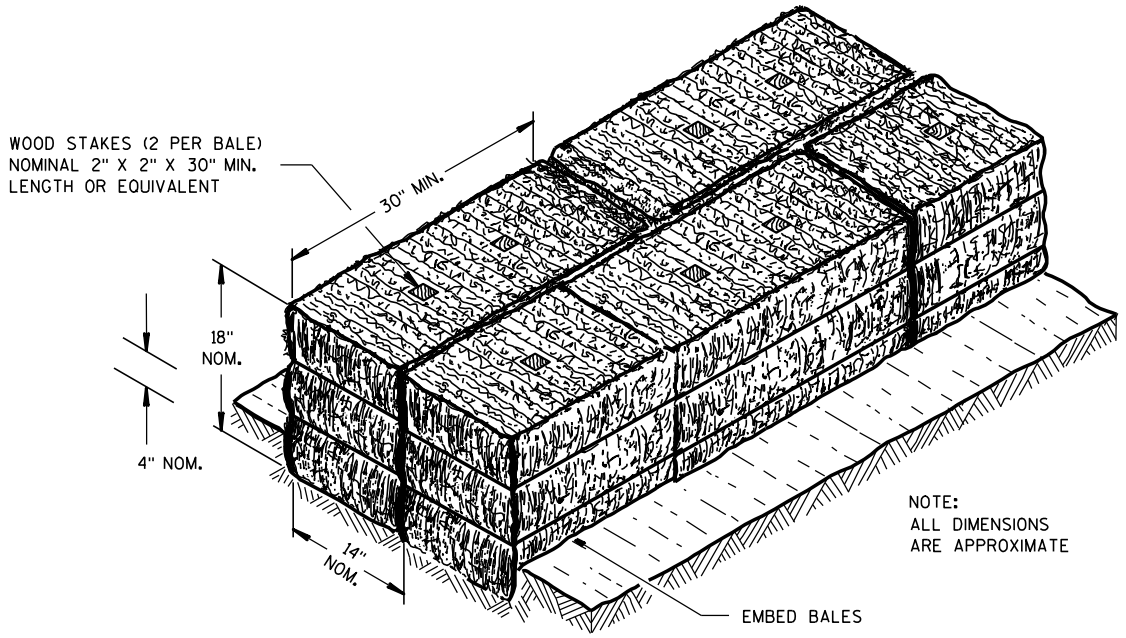
SDD 08D21 - 01

SDD 08D21 - 01

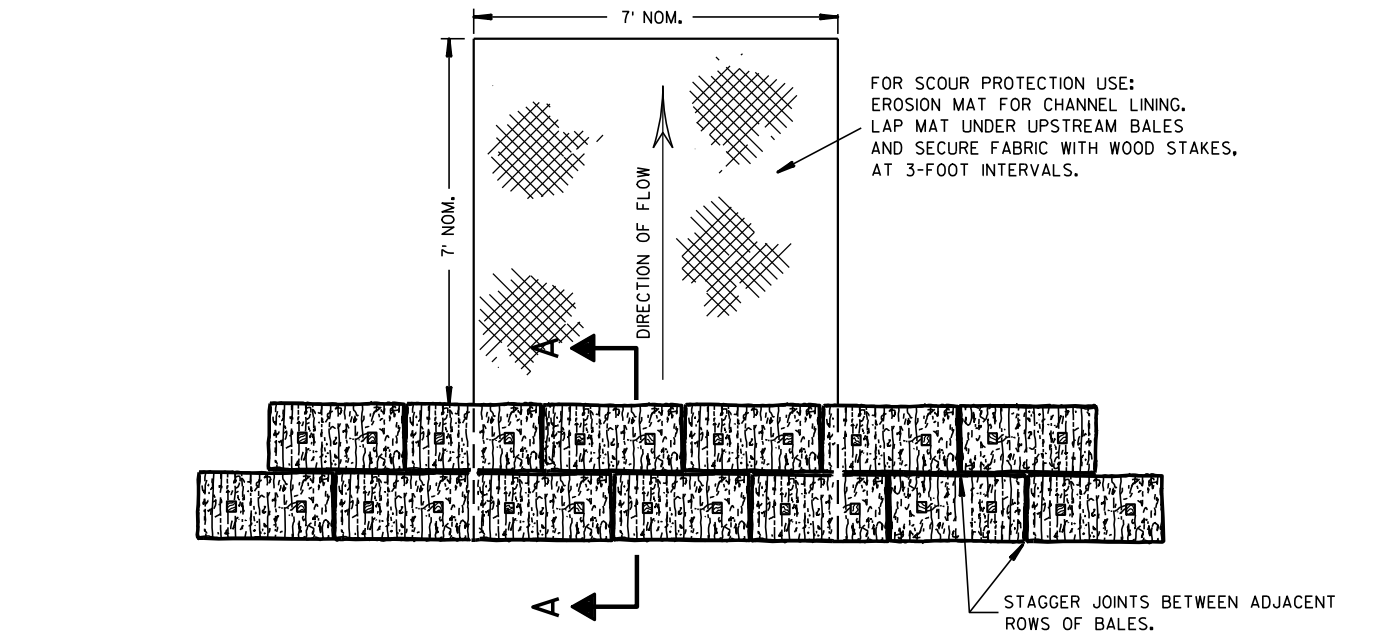
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

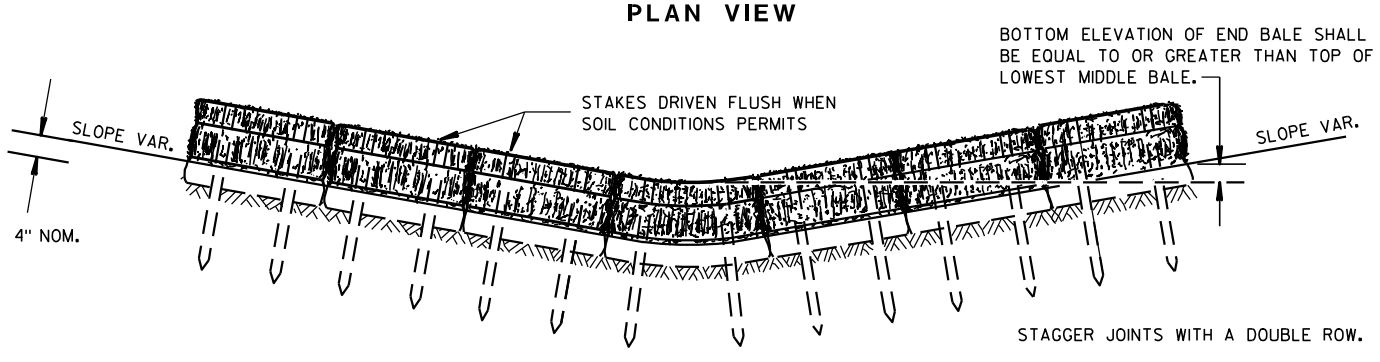
APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA



SECTION A-A



PLAN VIEW



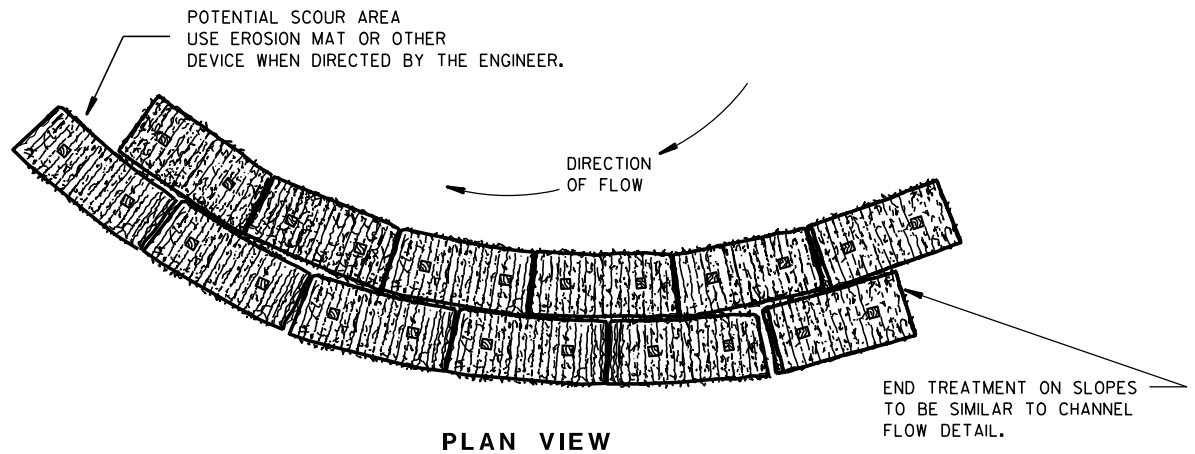
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

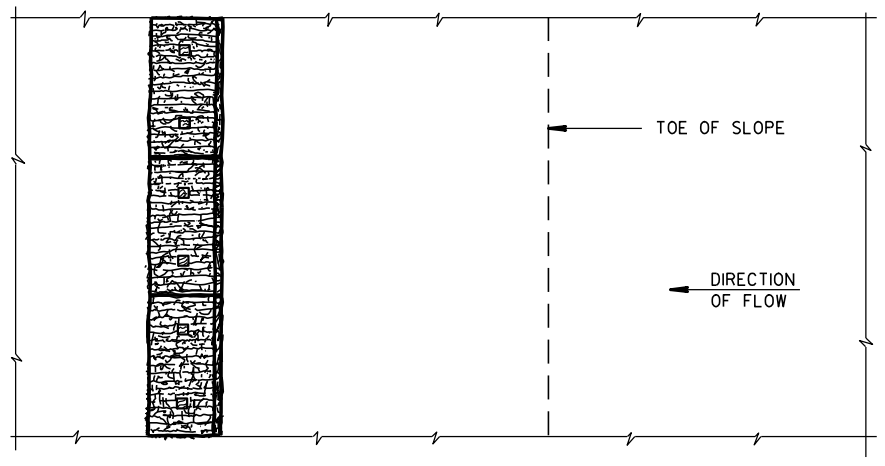
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

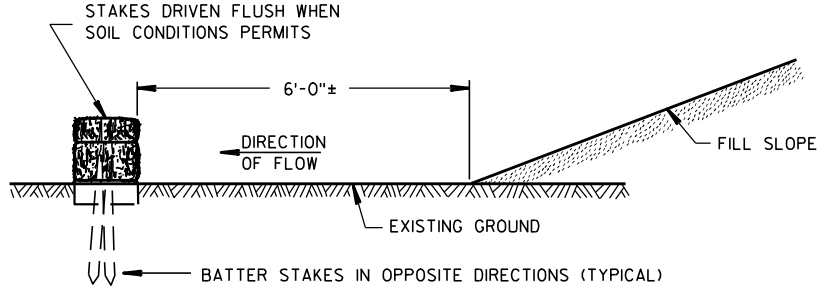


PLAN VIEW

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

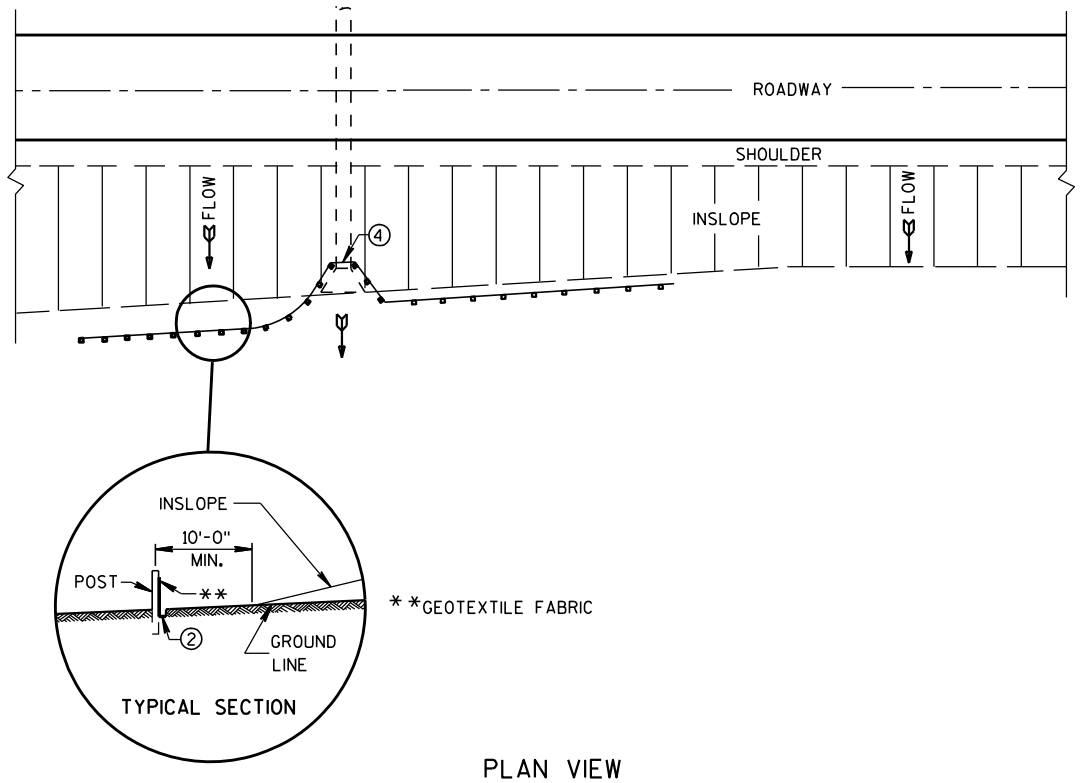
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

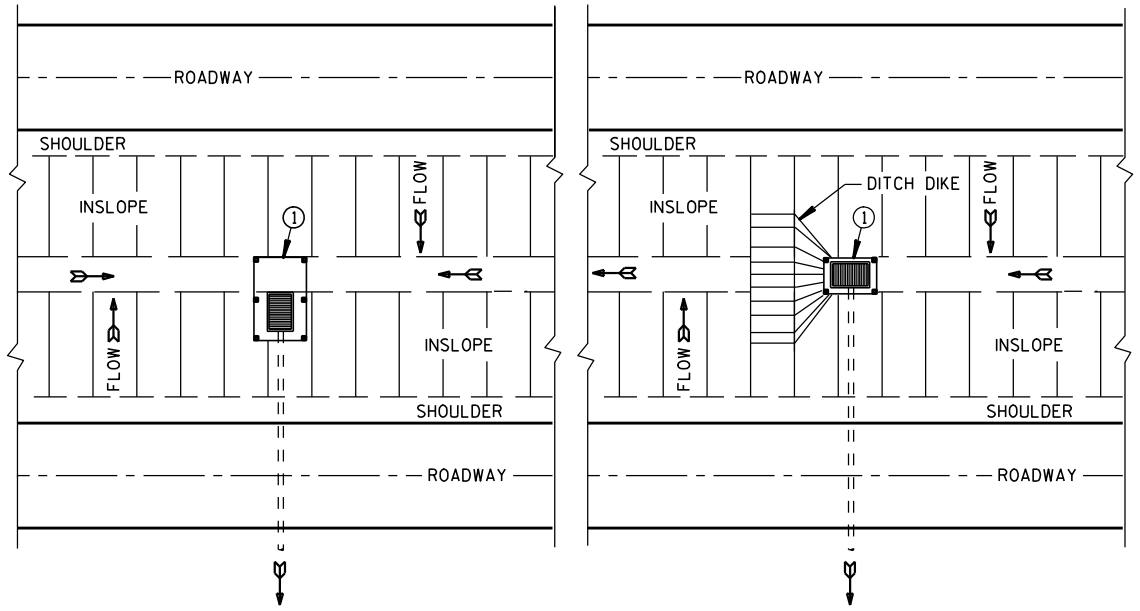
6

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.

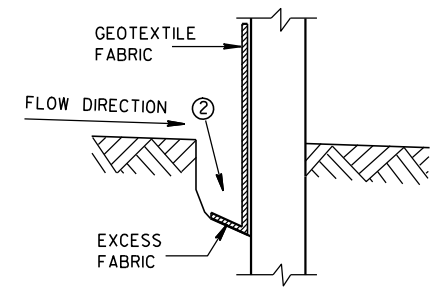
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

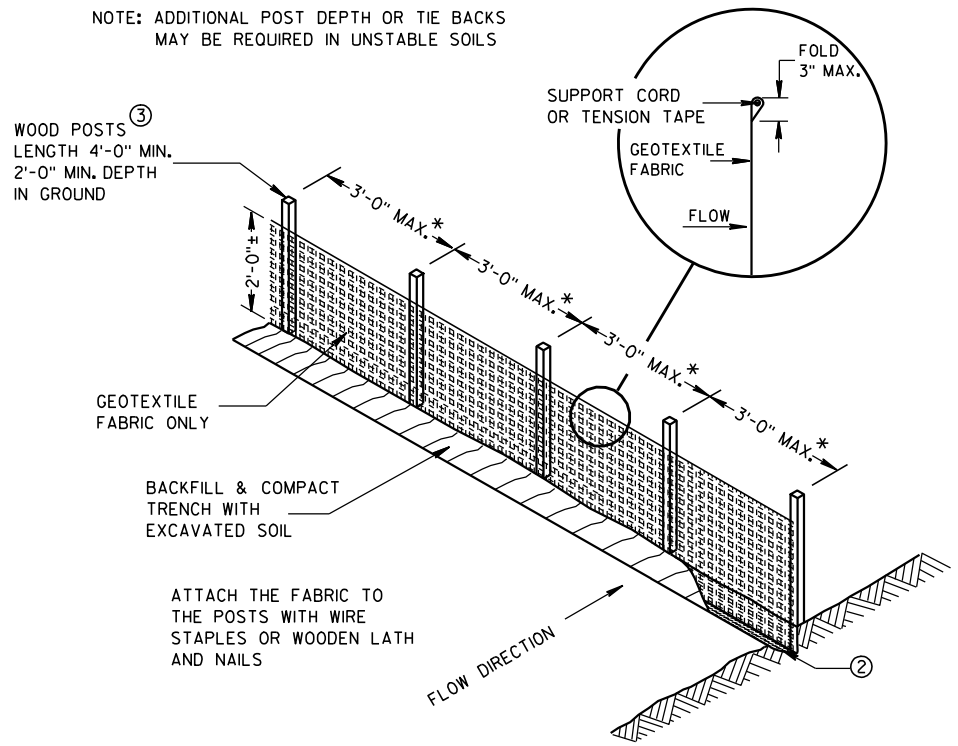
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

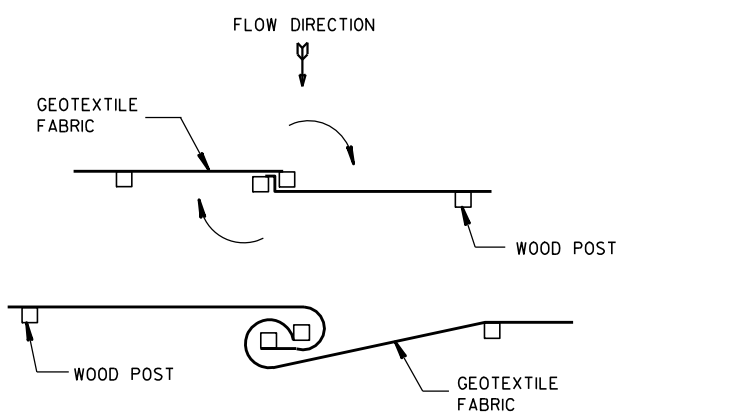
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



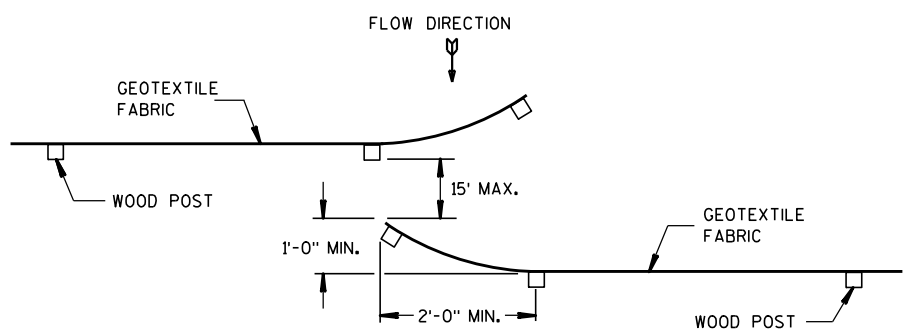
TRENCH DETAIL



SILT FENCE

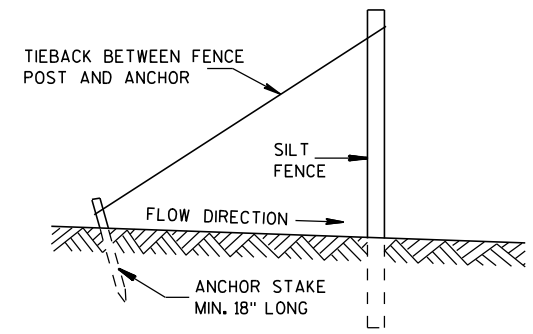


TWIST METHOD



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

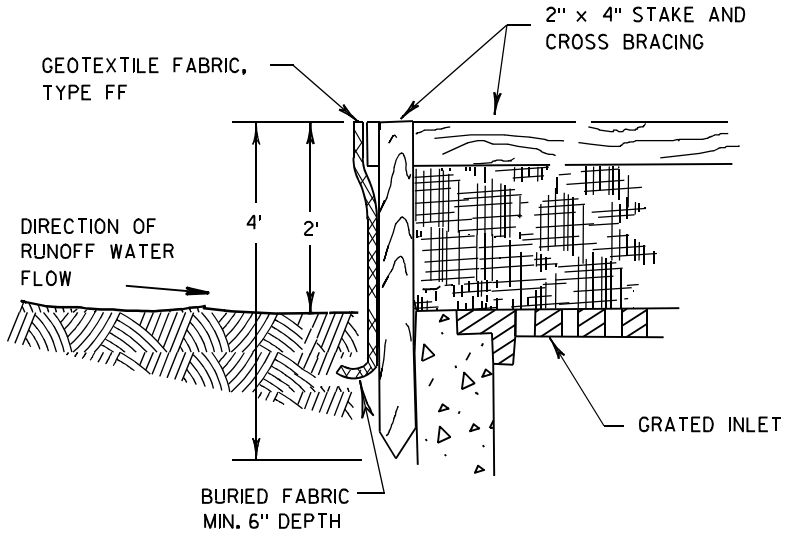
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

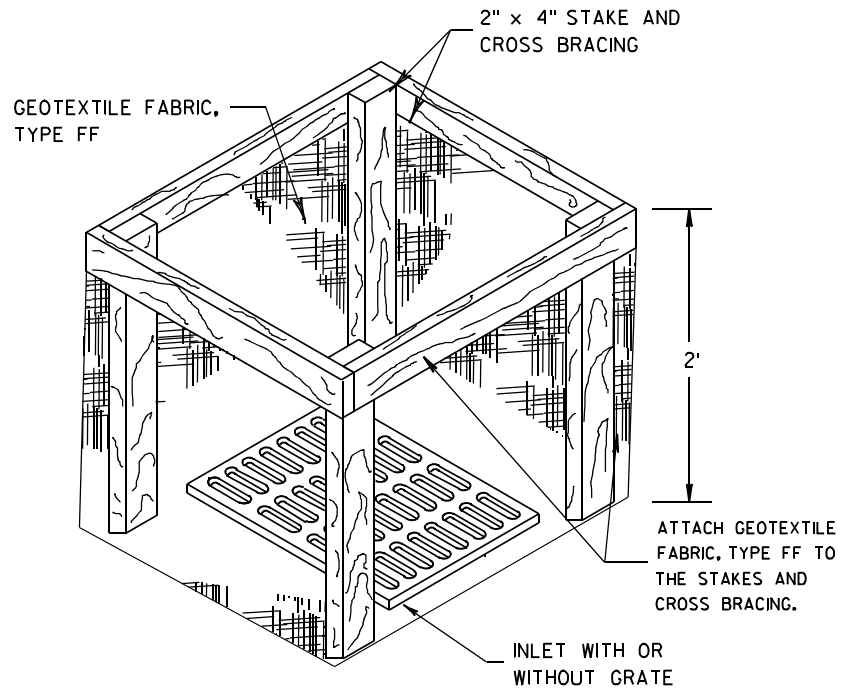
6

S.D.D. 8 E 9-6

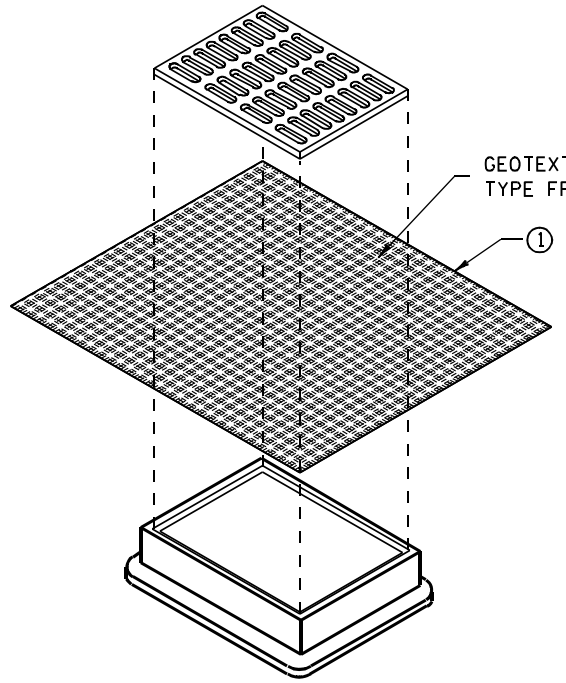
6

S.D.D. 8 E 9-6



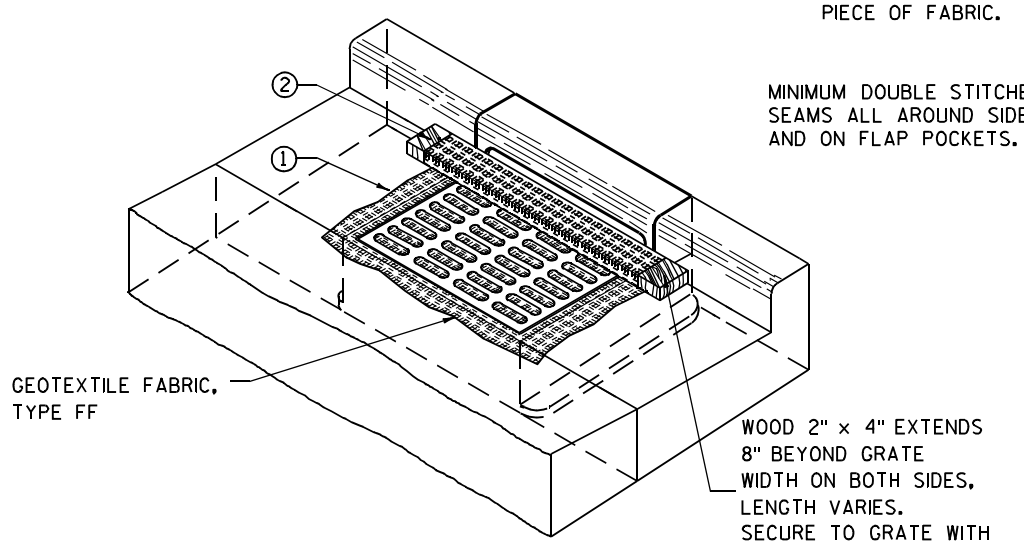


INLET PROTECTION, TYPE A

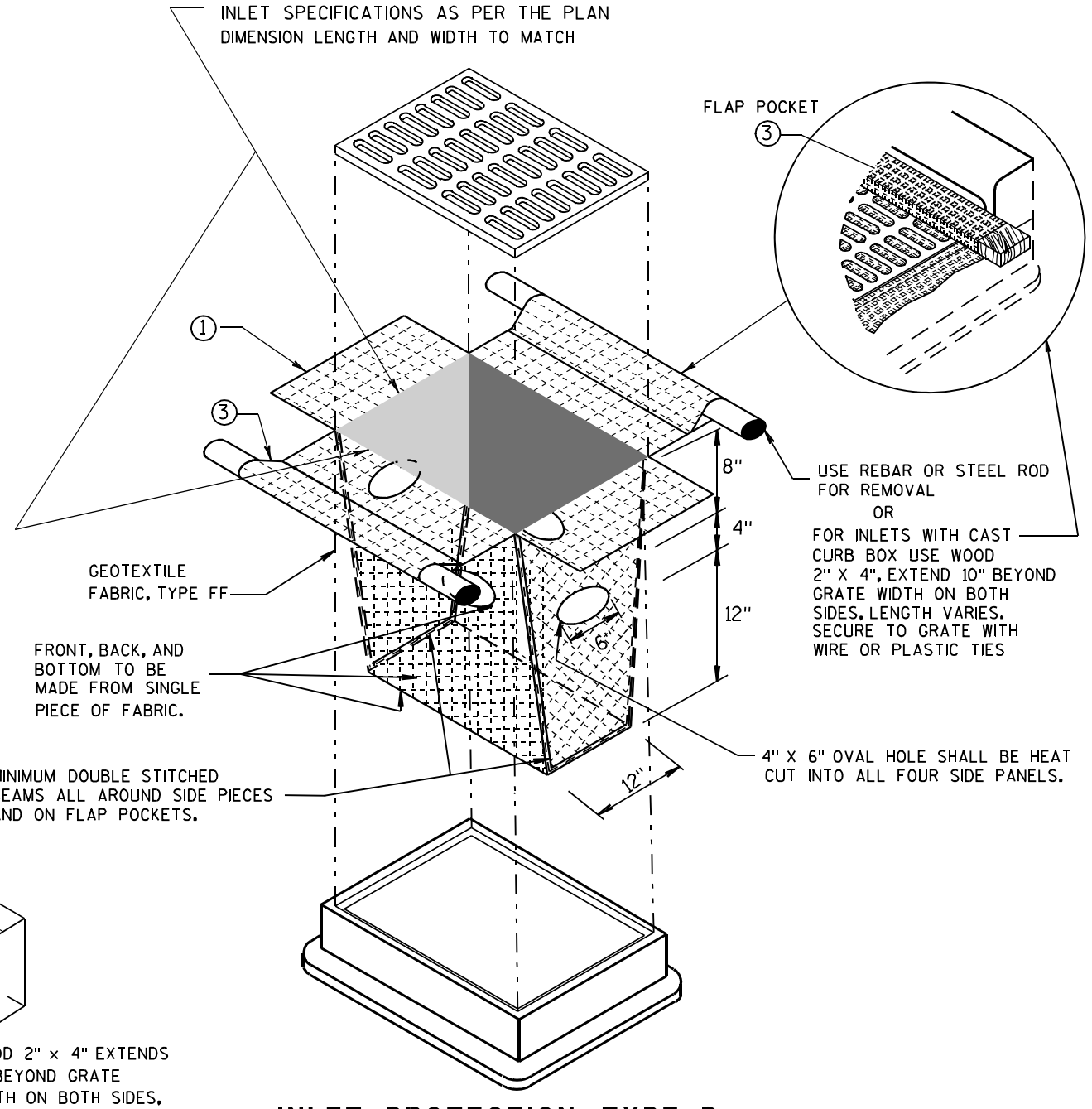


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

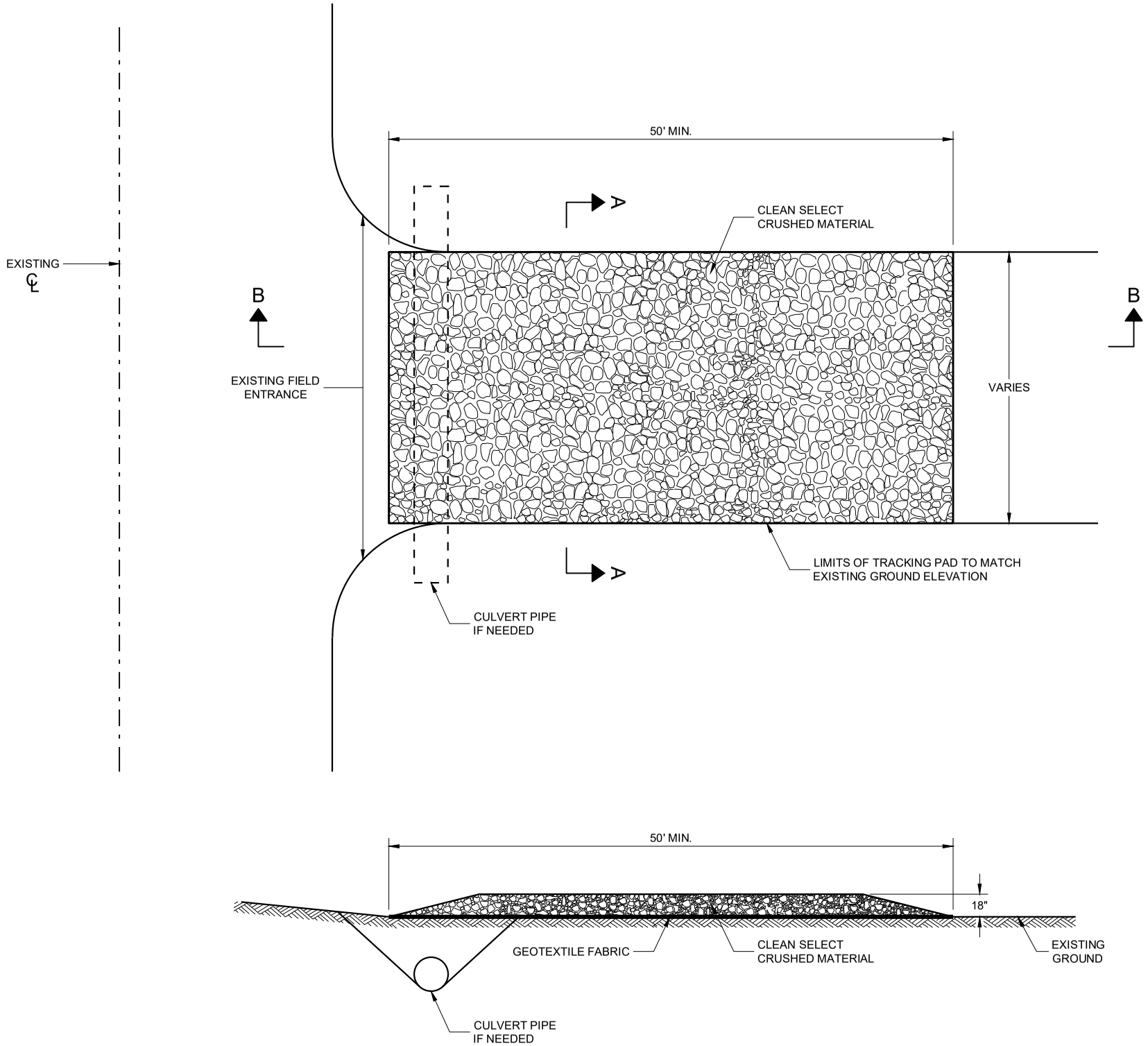
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - 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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

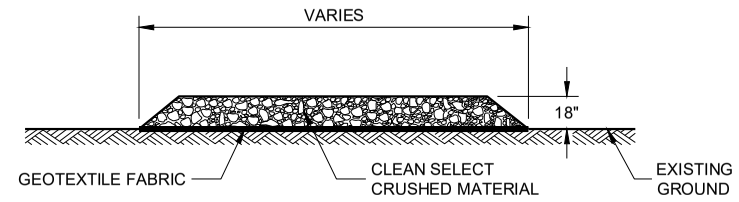
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

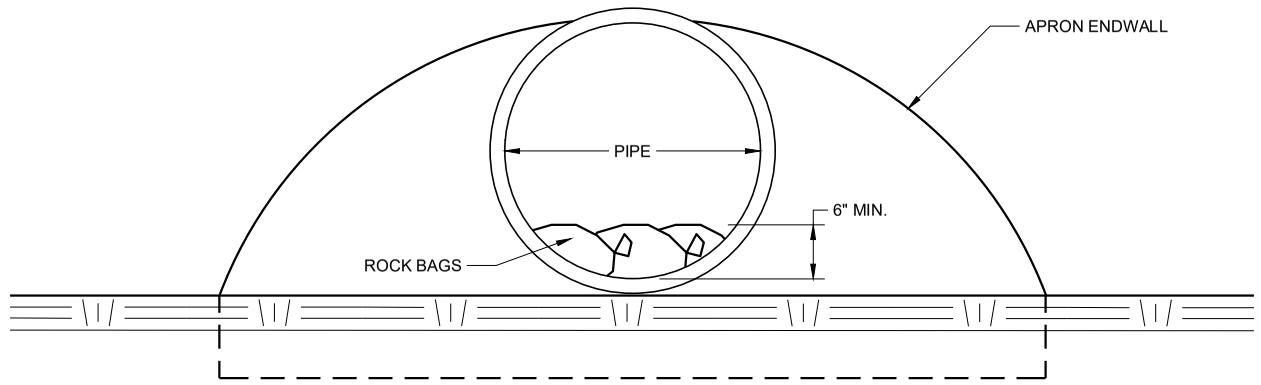
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

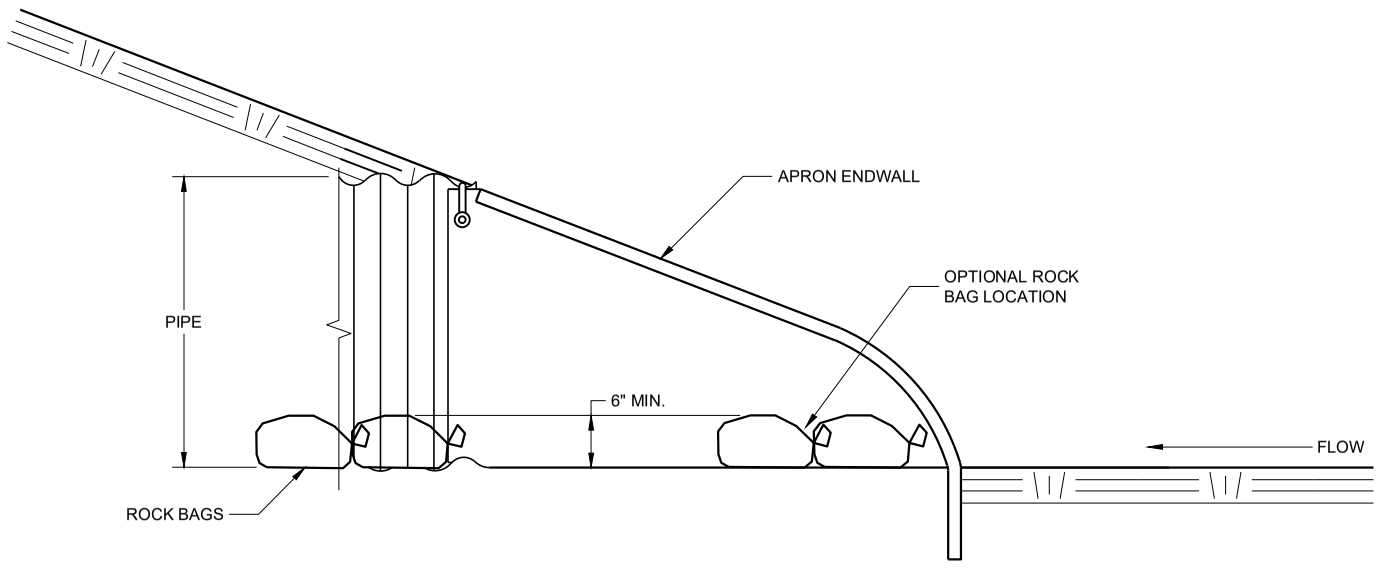
FHWA

6

SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

6
SDD 08E15 - 01

METAL APRON ENDWALLS

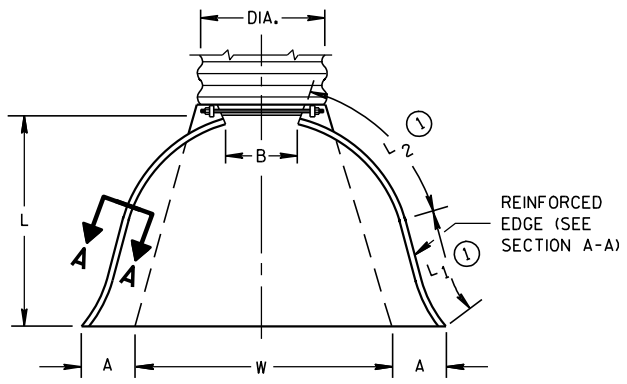
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

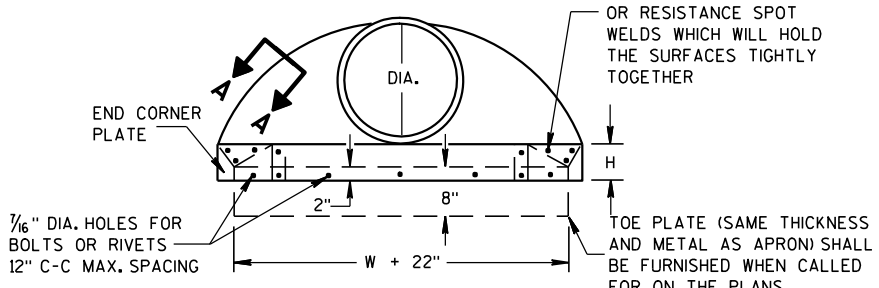
REINFORCED CONCRETE APRON ENDWALLS

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

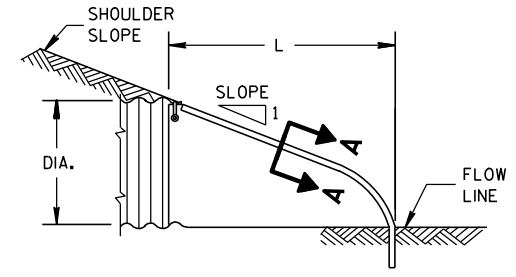
*MINIMUM
**MAXIMUM



PLAN VIEW

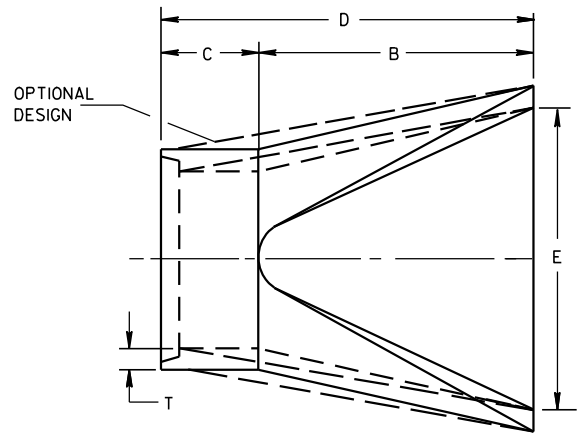


END VIEW

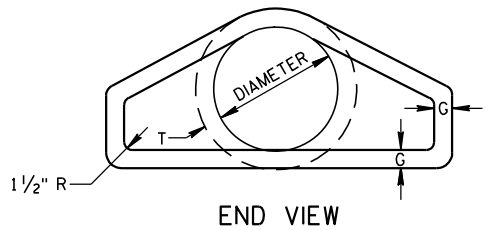


SIDE ELEVATION

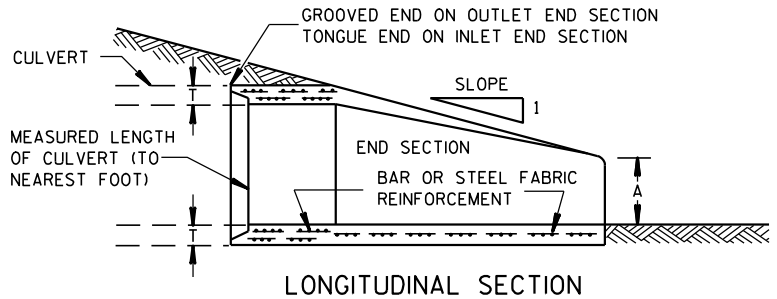
METAL ENDWALLS



PLAN

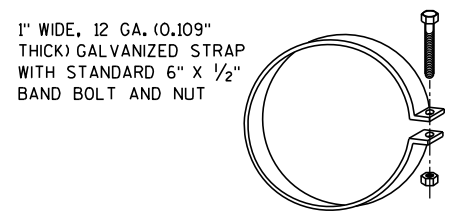


END VIEW



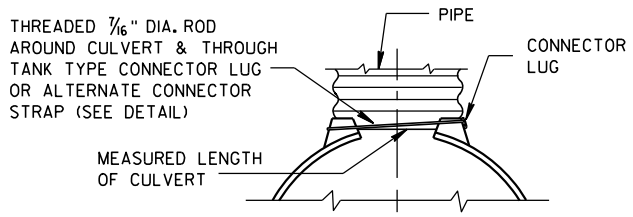
LONGITUDINAL SECTION

CONCRETE ENDWALLS

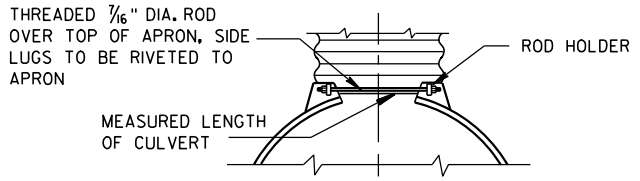


ALTERNATE FOR TYPE 1 CONNECTION

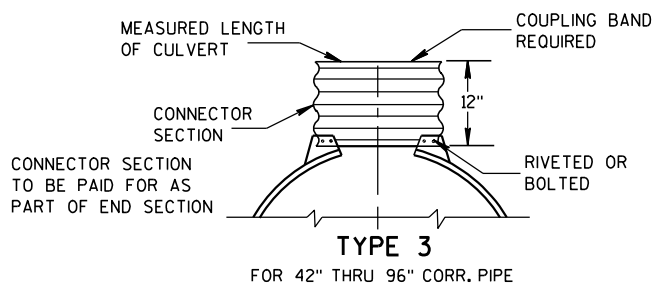
END SECTION CONNECTOR STRAP



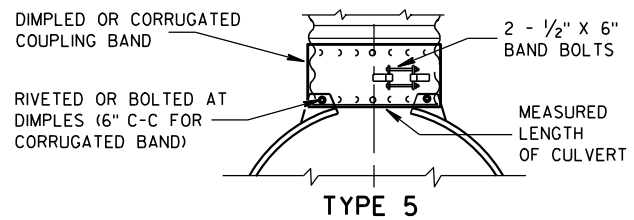
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

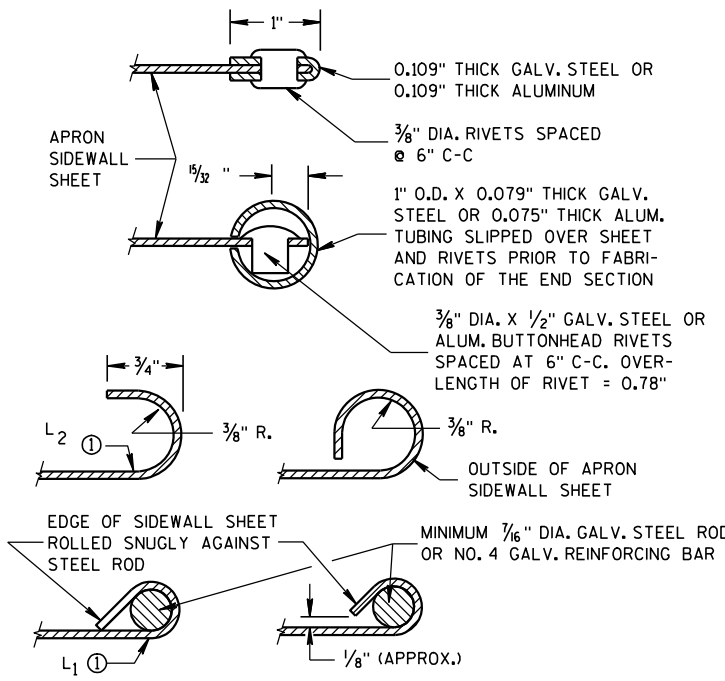
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

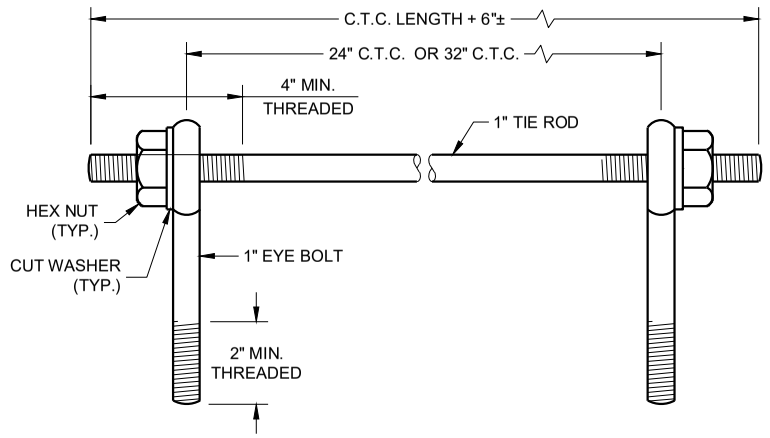
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

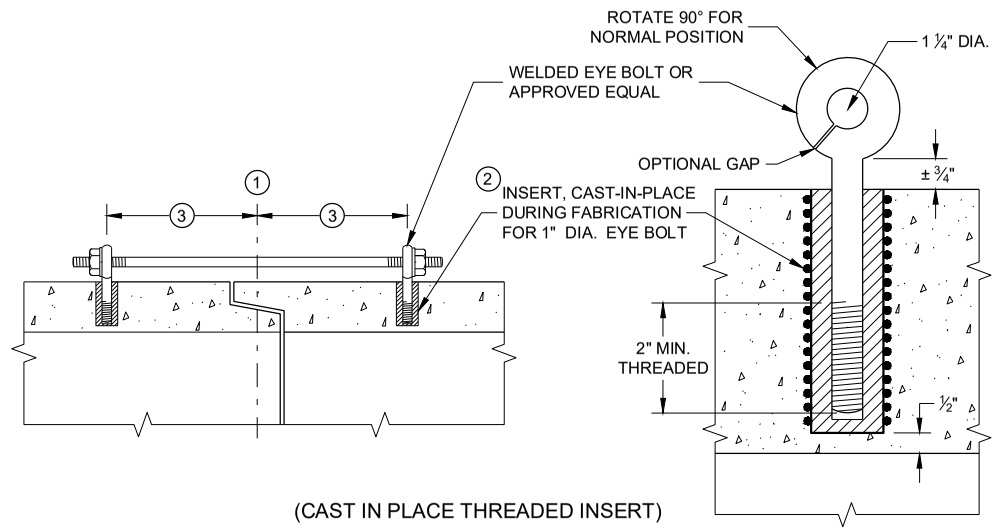
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 218 NEER
FHWA

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) CENTER LINE 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.

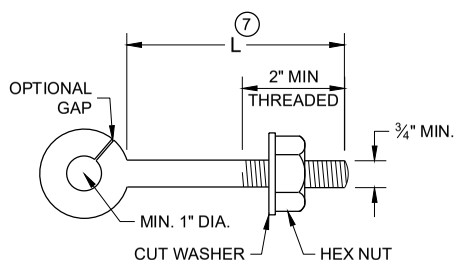
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

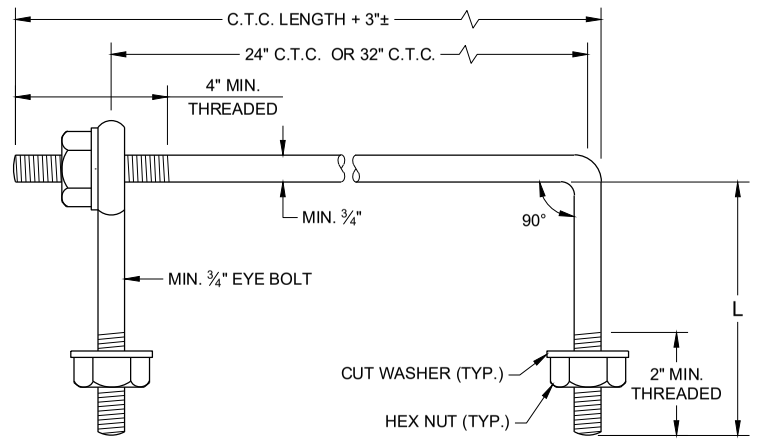
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

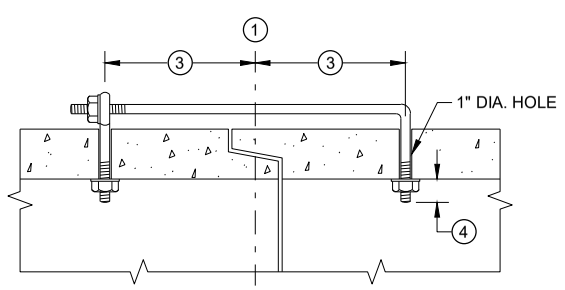


EYE BOLT (7)

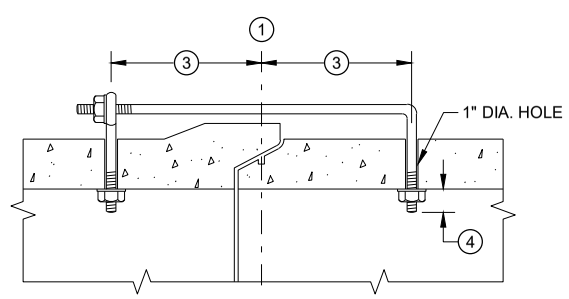
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

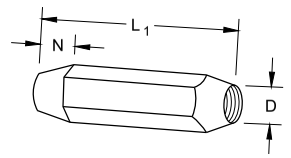
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

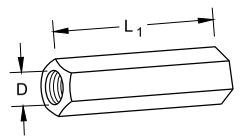
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



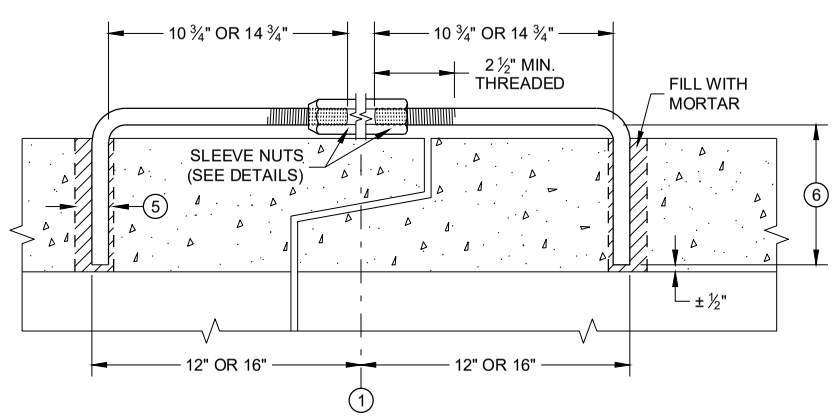
TAPERED



PLAIN

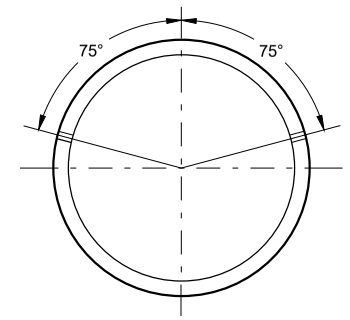
RIGHT AND LEFT THREADS

SLEEVE NUTS



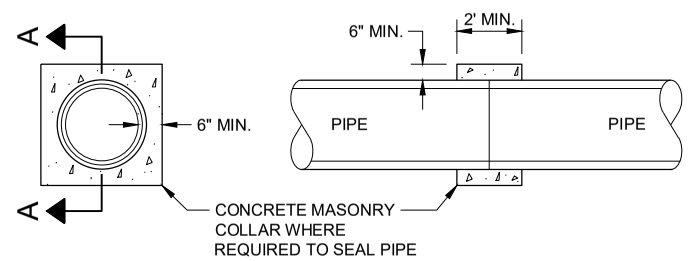
LONGITUDINAL SECTION

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

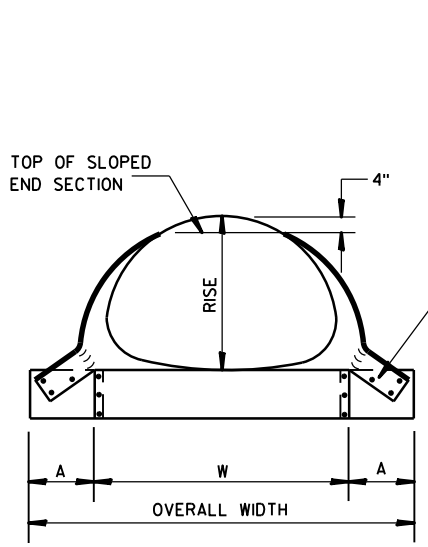
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

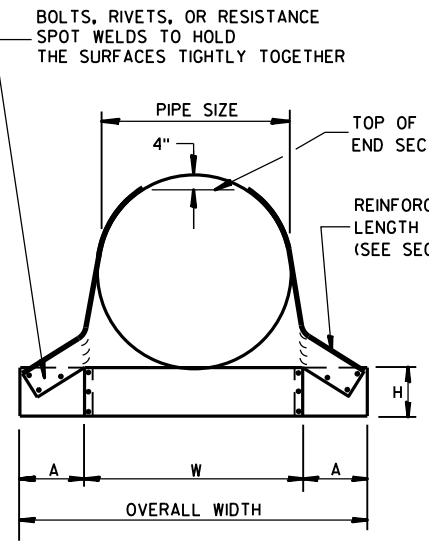
APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

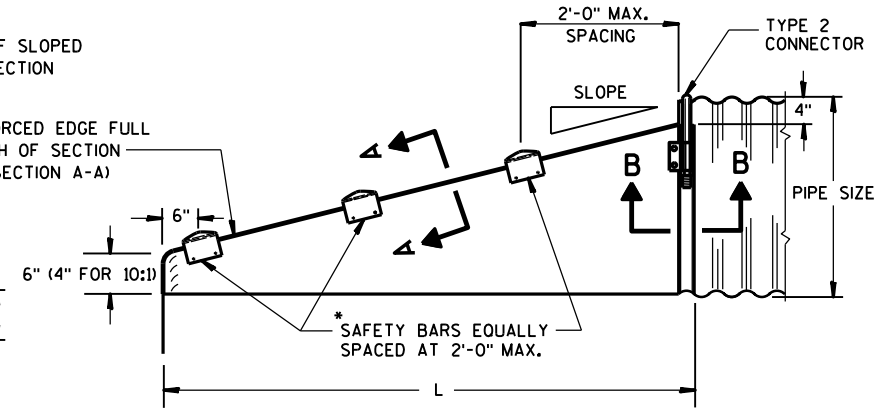
SDD 08F04 - 08



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

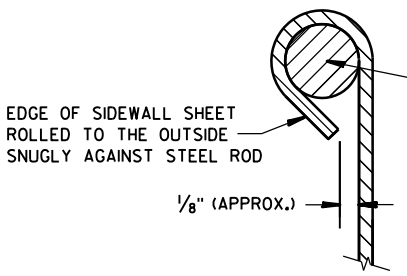
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS

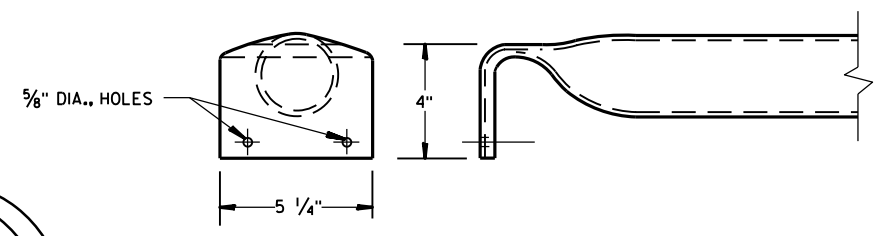
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

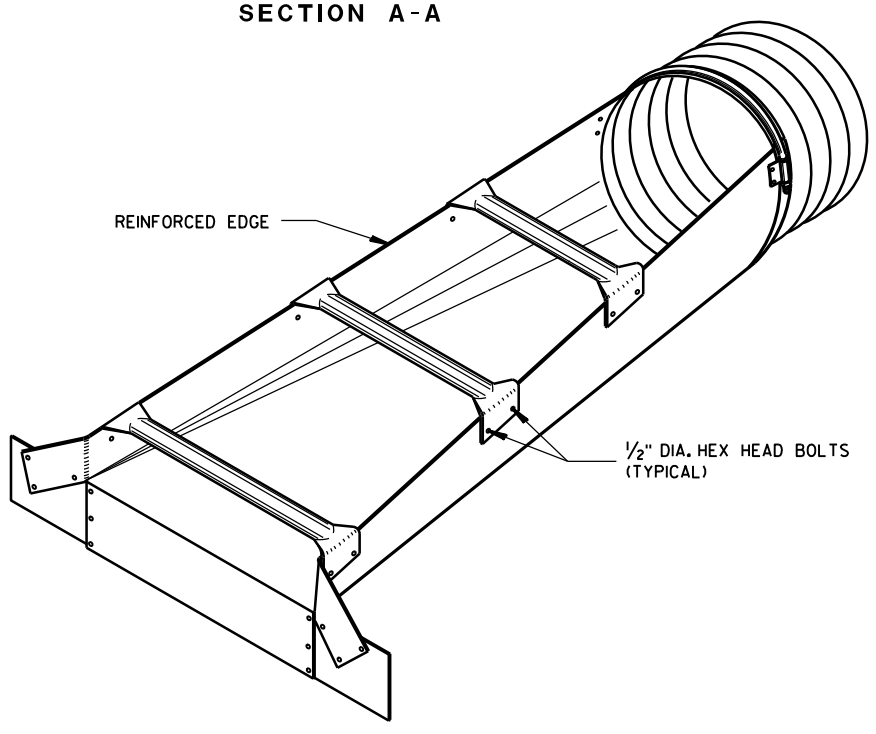


DETAIL OF SAFETY BAR

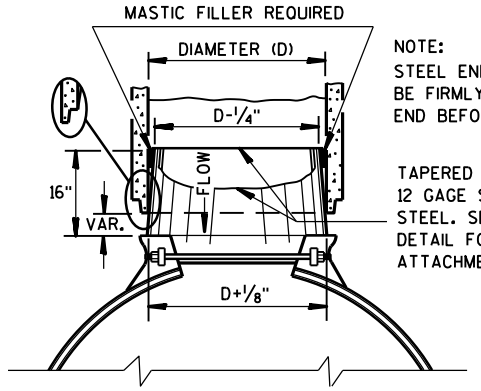
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



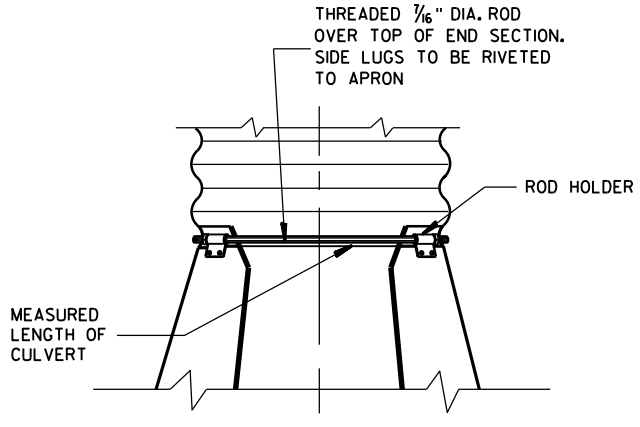
ISOMETRIC VIEW



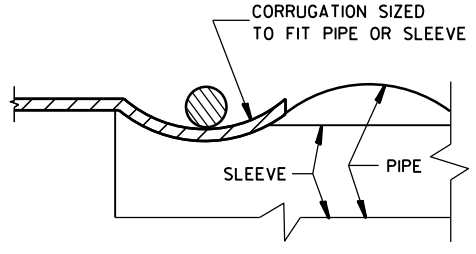
NOTE:
STEEL END SECTION SHALL BE FIRMLY WEDGED INTO PIPE END BEFORE BACKFILLING

TAPERED SLEEVE TO BE 12 GAGE SMOOTH GALVANIZED STEEL. SEE SECTION B-B DETAIL FOR END SECTION ATTACHMENT.

STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

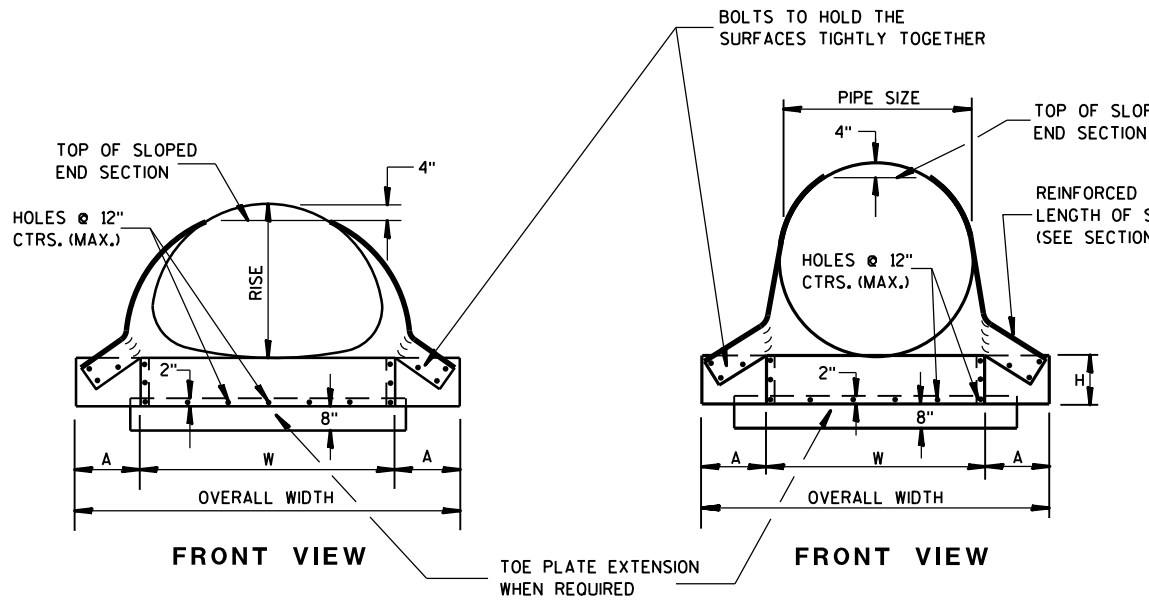
STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 DATE
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

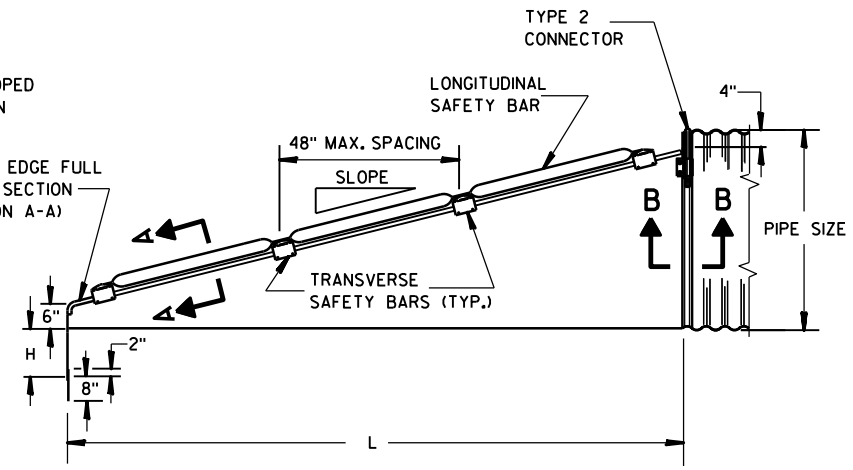
6

S.D.D. 8 F 7-5



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

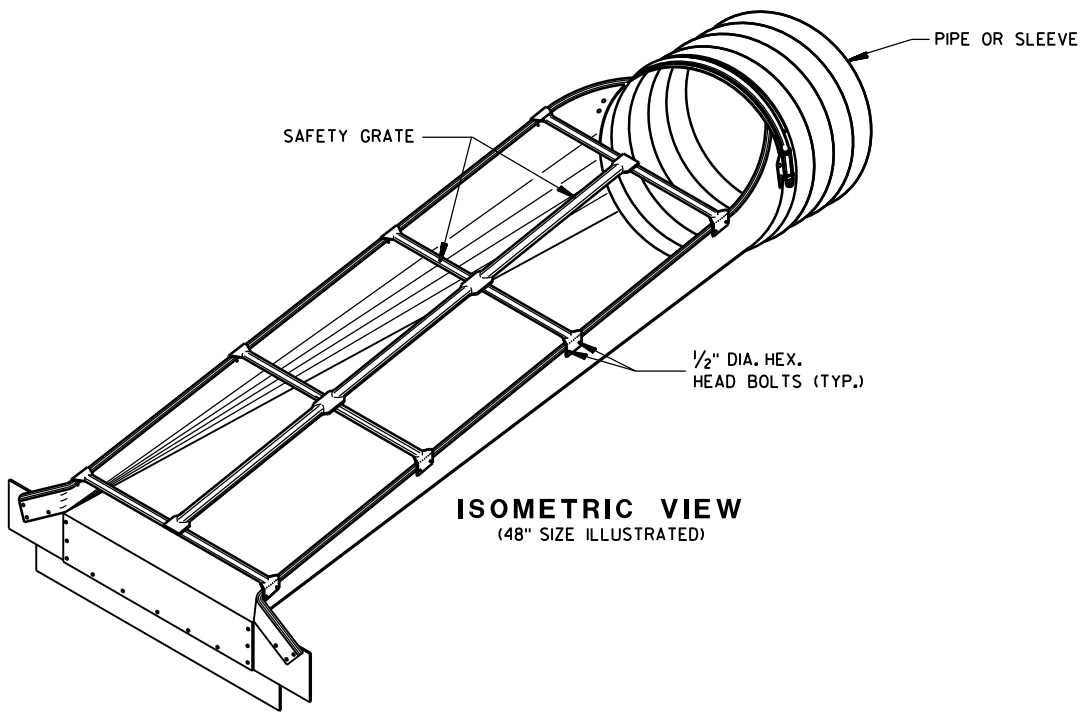
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

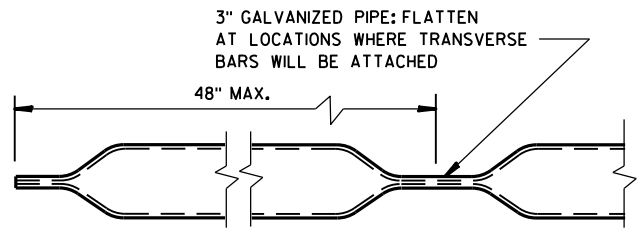
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

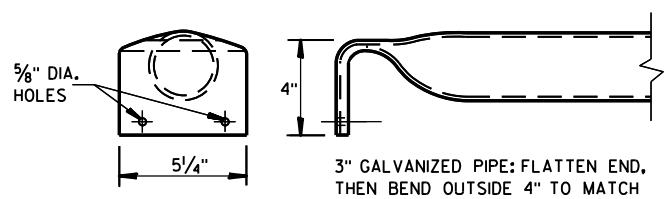
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



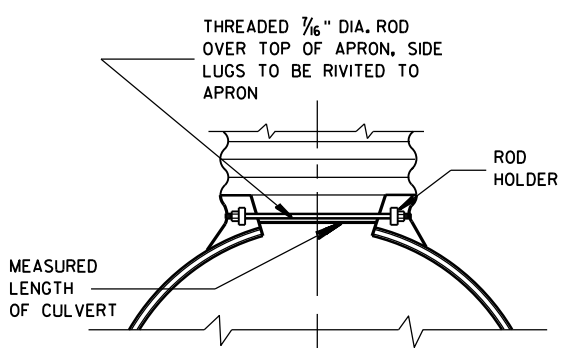
LONGITUDINAL SAFETY BAR



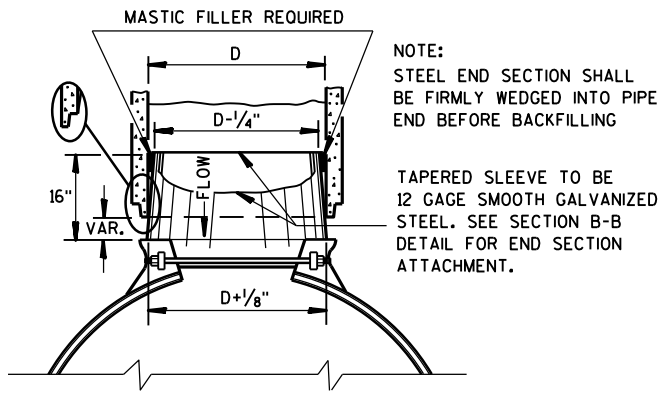
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

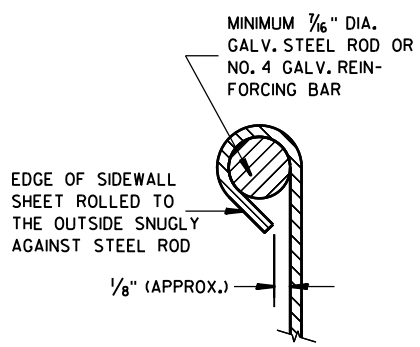
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



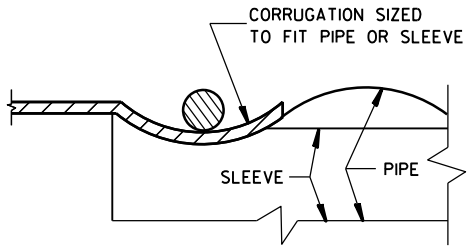
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

6

S.D.D. 8 F 8-2

6

S.D.D. 8 F 8-2

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.

FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2' - 0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3' - 0"

(3) LIMITS OF TRENCH BACKFILL

(4) LIMITS OF FOUNDATION BACKFILL

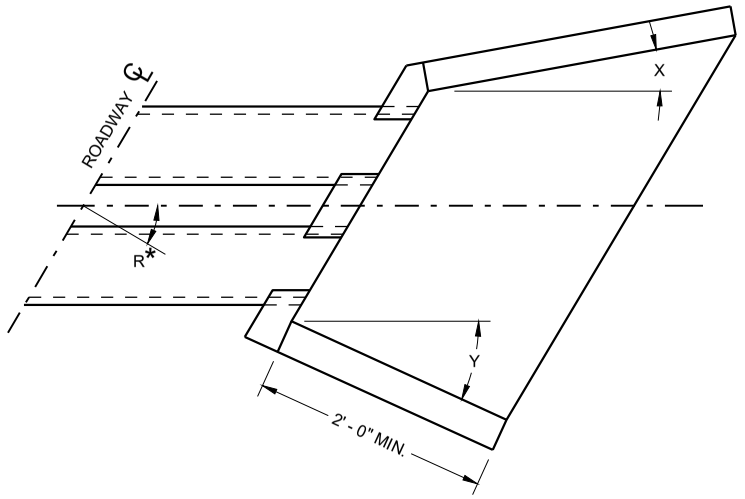
(5) FOUNDATION AND TRENCH BACKFILL ARE MATERIALS INCLUDED IN PAYMENT FOR CULVERT PIPE, PIPE ARCH, CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPSE OR CONCRETE MASONRY ENDWALLS.

(6) DO NOT PLACE FOUNDATION BACK FILL OR ANY OTHER GRANULAR BACKFILL AROUND OR BELOW CUT OFF WALL. POUR CUT OFF WALL AGAINST NATIVE SOIL

(7) MINIMUM HEIGHT SHALL BE THE GREATER OF 1'- 0" OR ¼ HEIGHT OF CULVERT PIPE.

TRENCH BACKFILL

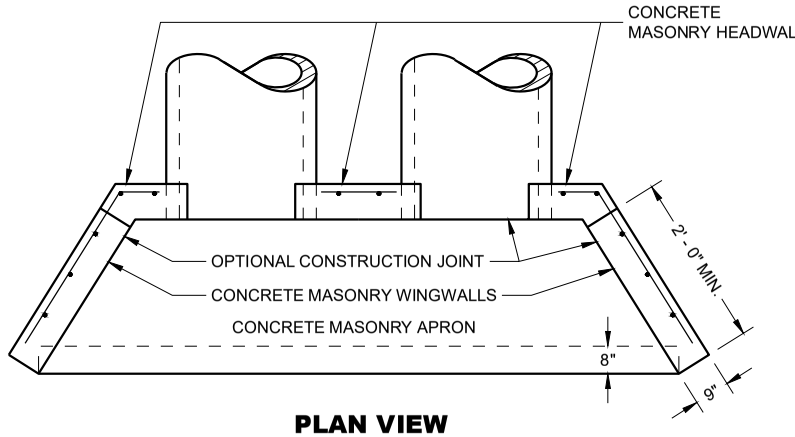
FOUNDATION BACKFILL



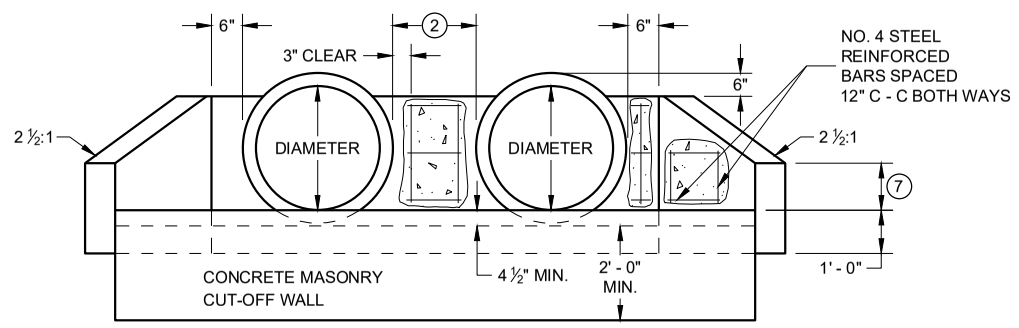
WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	30°	16 - 45°	10°	15°
23 - 37°	20°	30°	46 - 75°	5°	15°
38 - 52°	15°	30°	OVER 75°	0°	15°
53 - 67°	10°	30°			
68 - 82°	5°	30°			
OVER 82°	0°	30°			

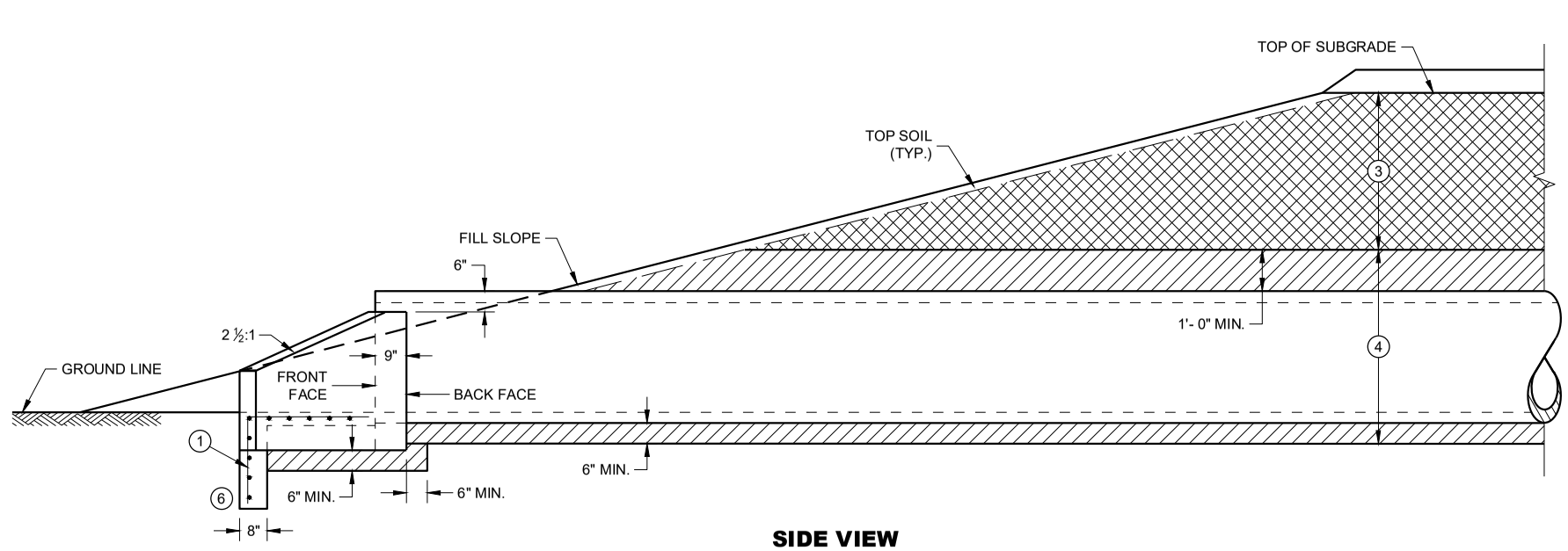
R* = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD



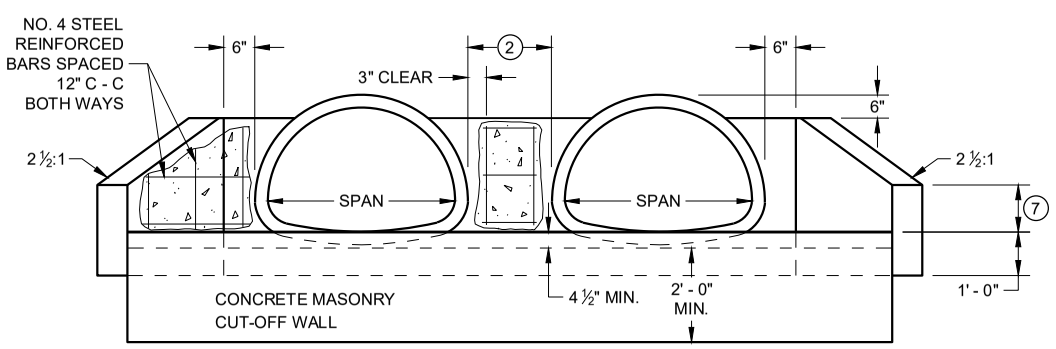
PLAN VIEW



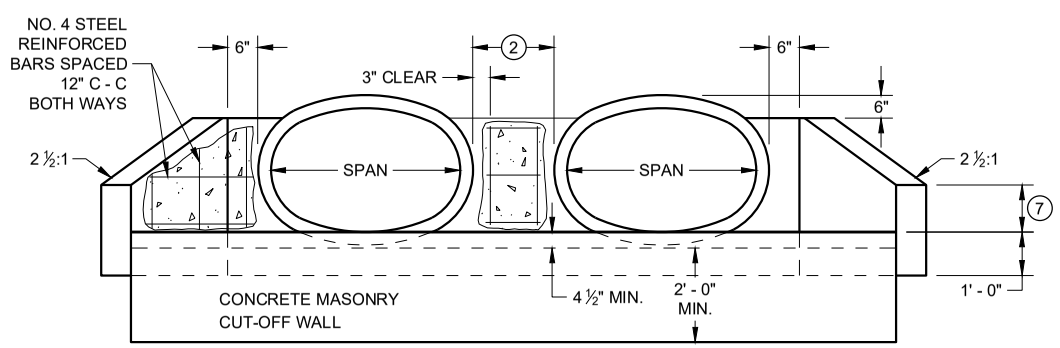
END VIEW
CIRCULAR PIPE



SIDE VIEW
CIRCULAR PIPE, PIPE ARCH OR HORIZONTAL ELLIPSE



END VIEW
PIPE ARCH



END VIEW
HORIZONTAL ELLIPSE

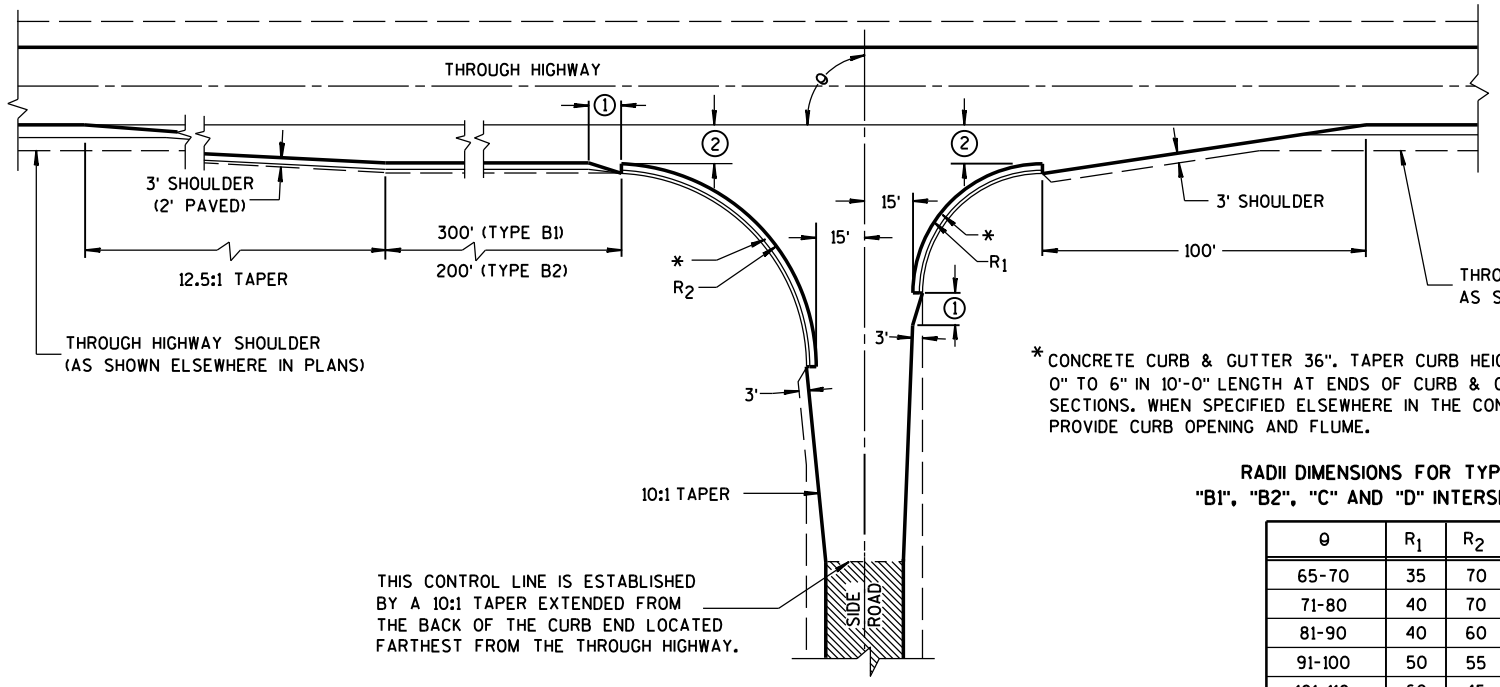
CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F10 - 02

SDD 08F10 - 02

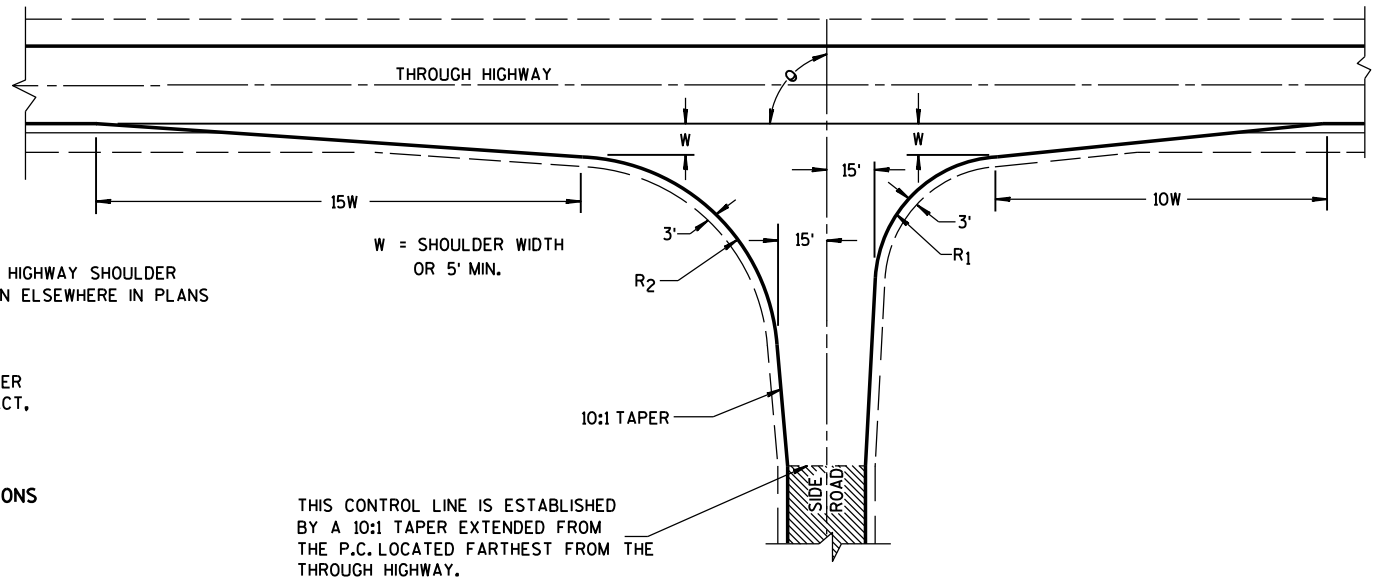


TYPE "B1" AND "B2"

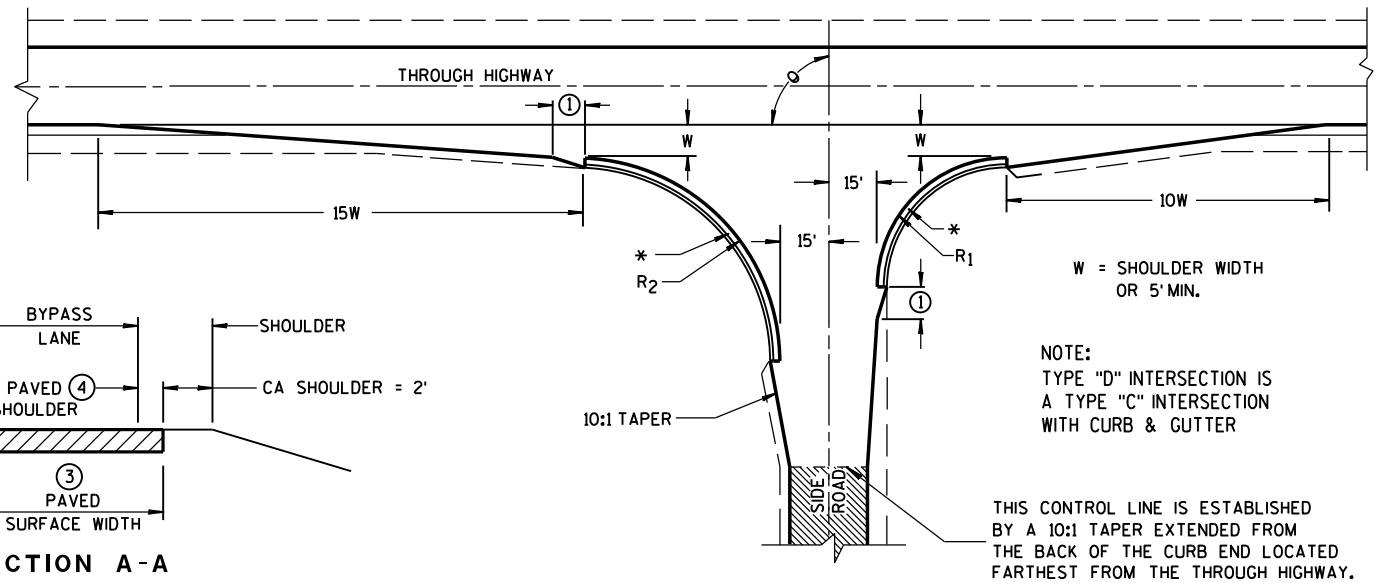
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

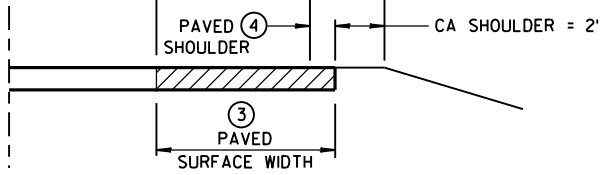
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

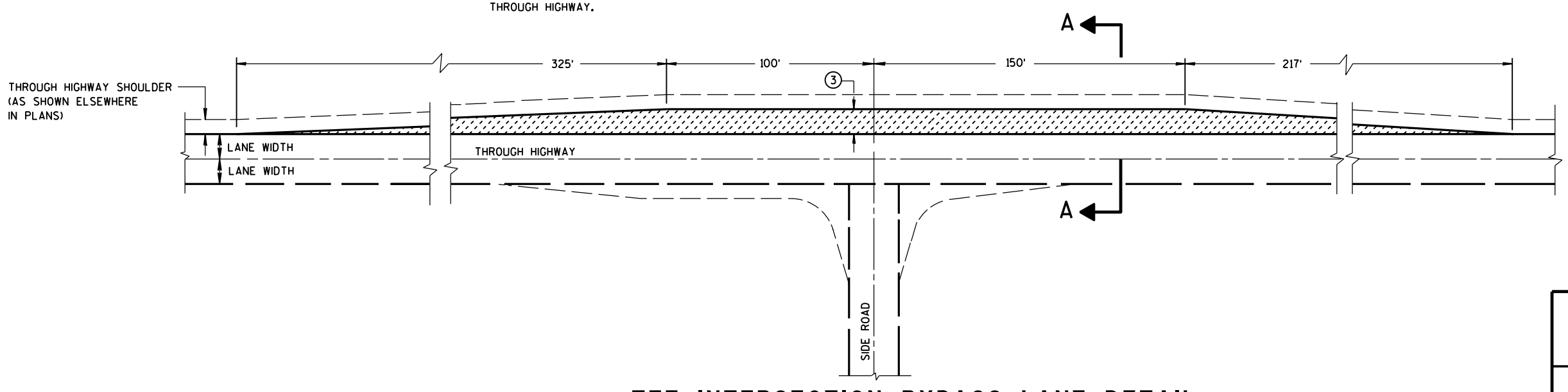
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



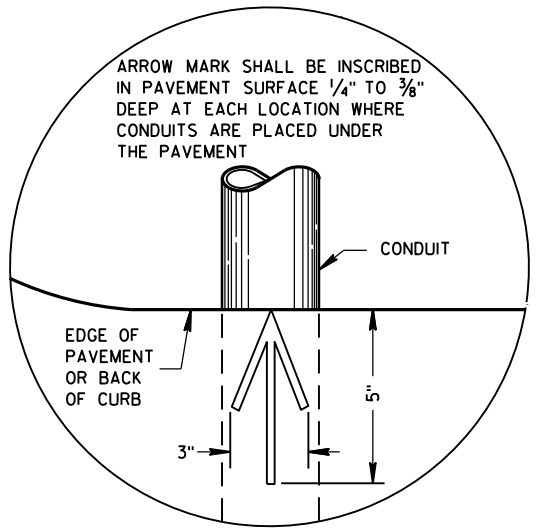
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

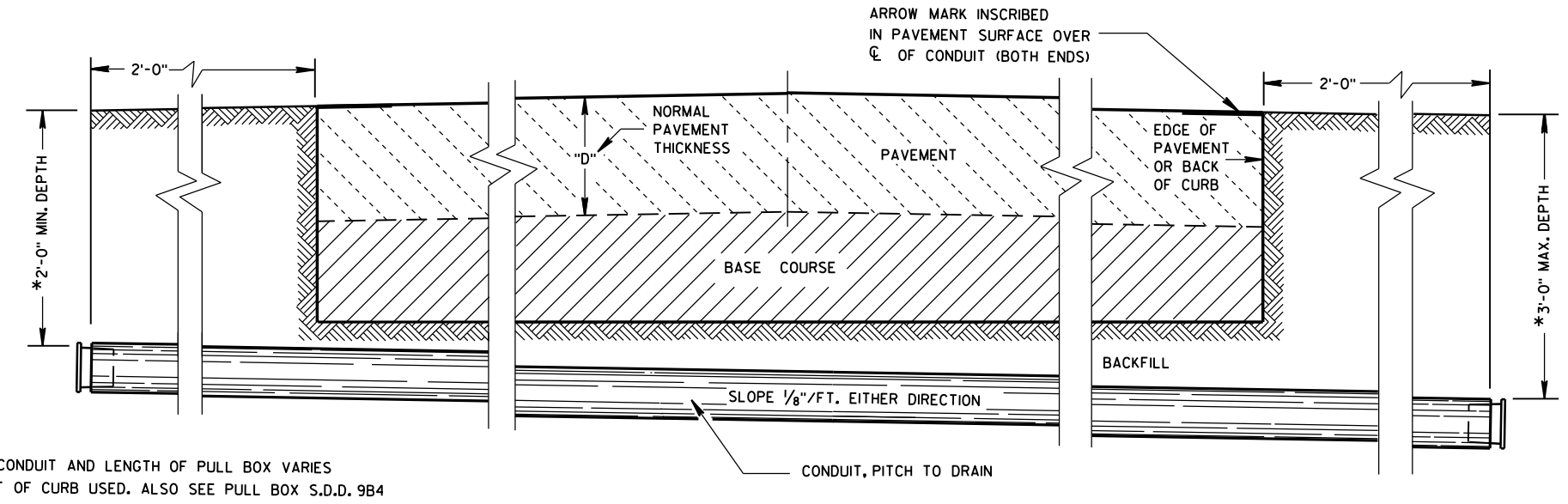
6

S.D.D. 9 A 1-13a



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

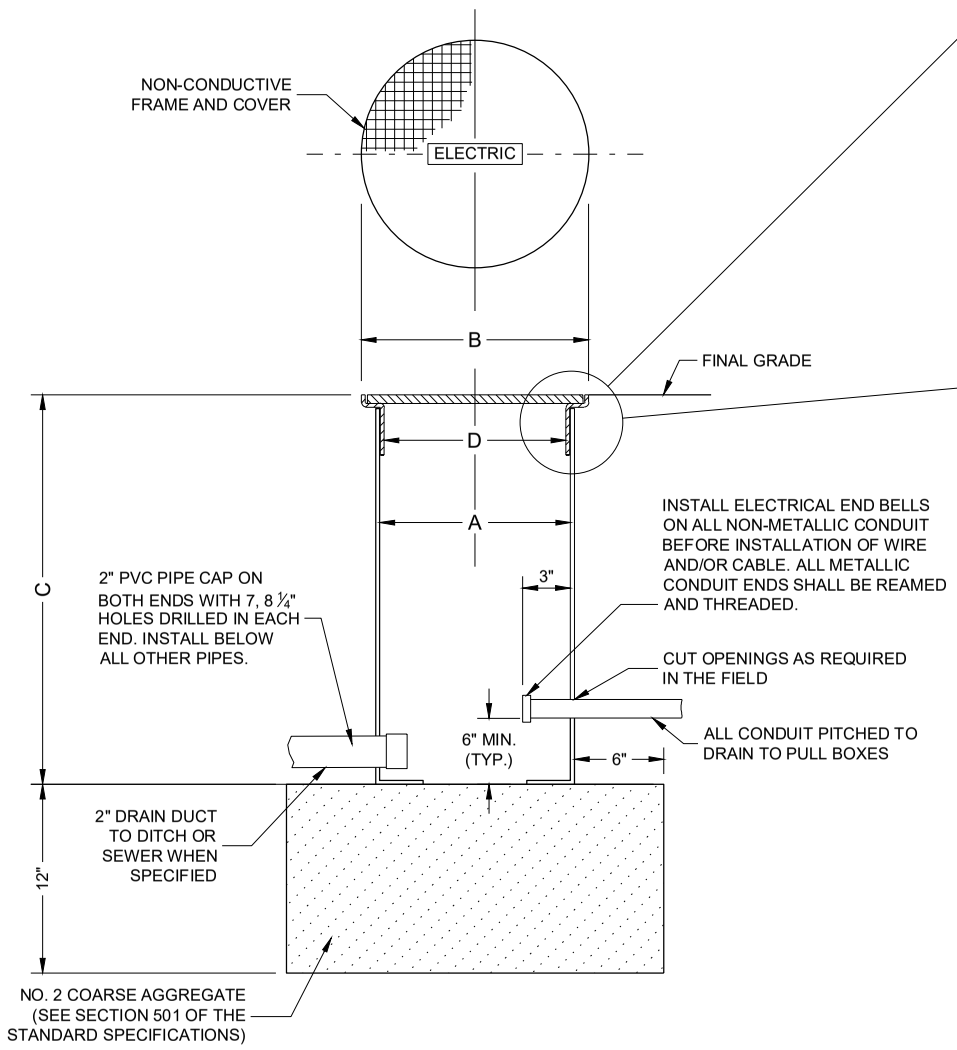
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

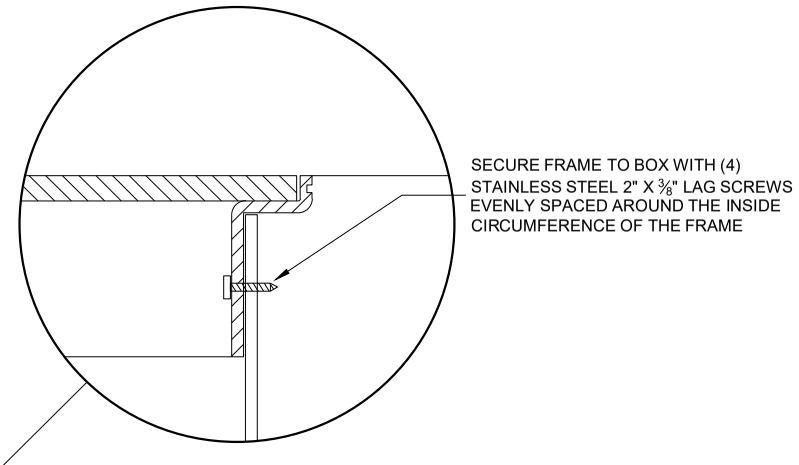
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

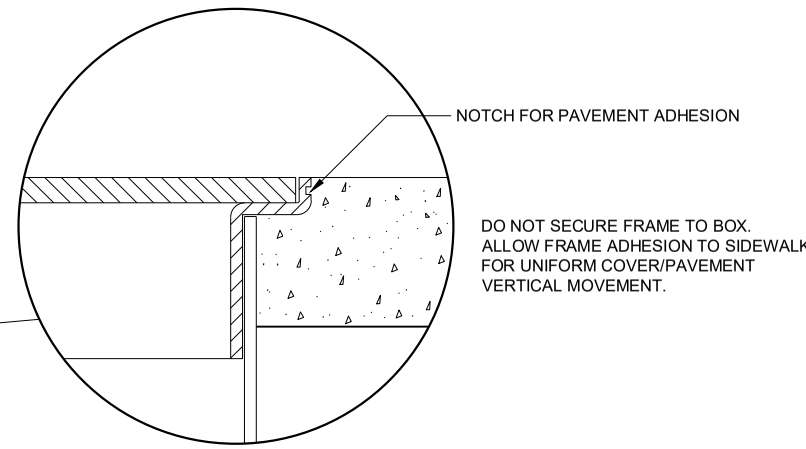
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



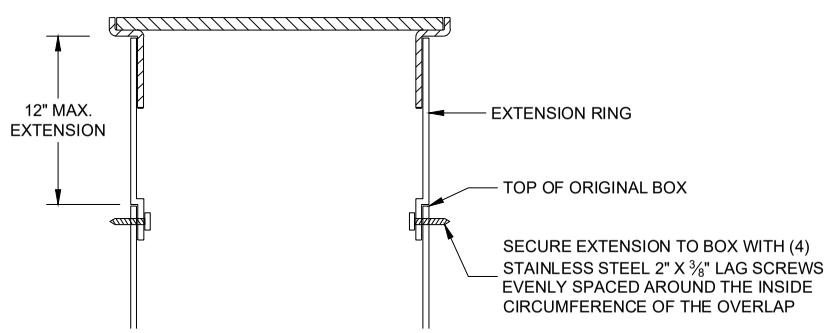
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

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 ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

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 ¼".

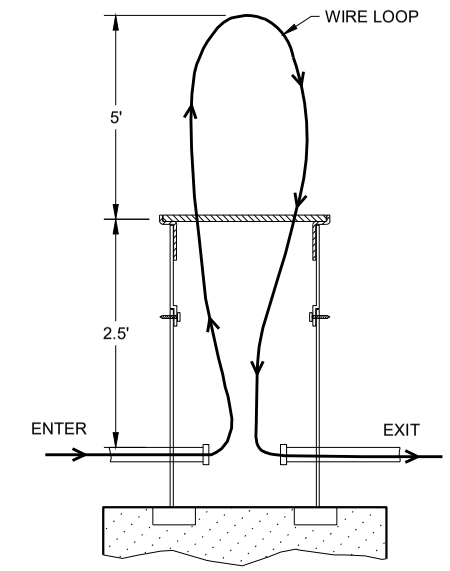
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

6

6

SDD 09B16 - 02

SDD 09B16 - 02

PULL BOXES NON-CONDUCTIVE

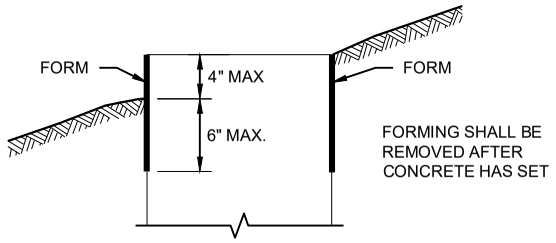
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 225

FHWA

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.

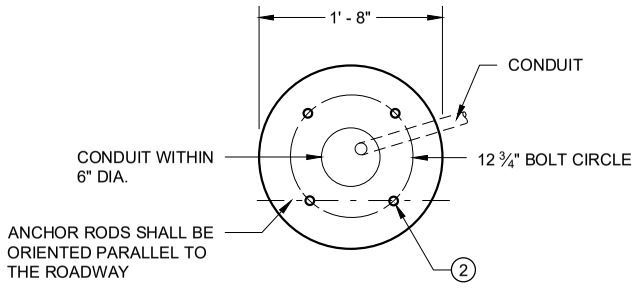
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

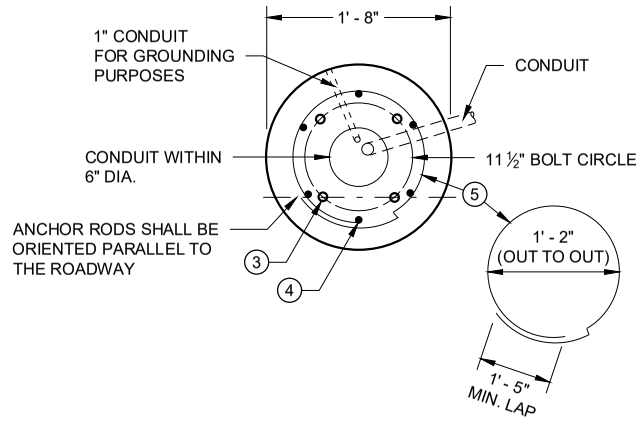
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

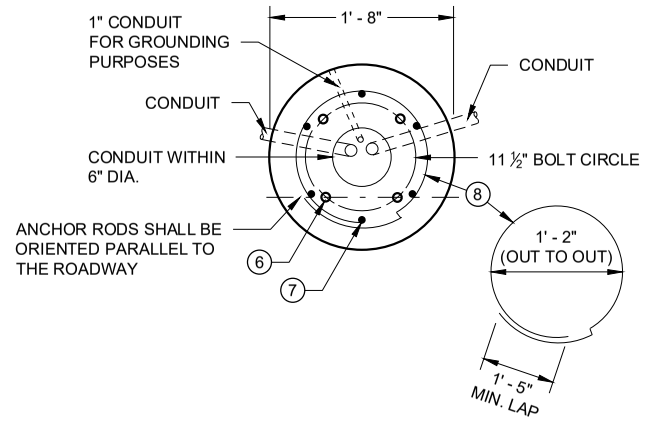
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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).







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

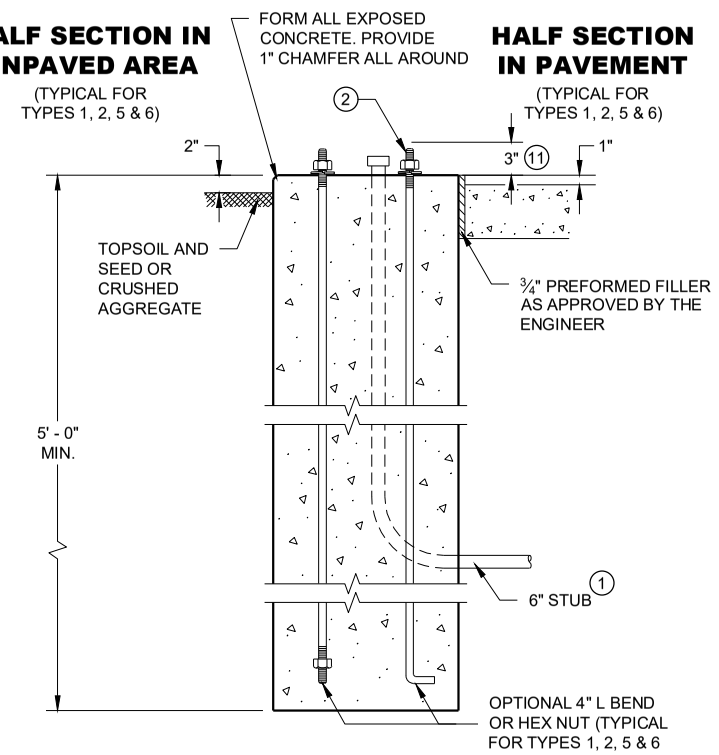
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

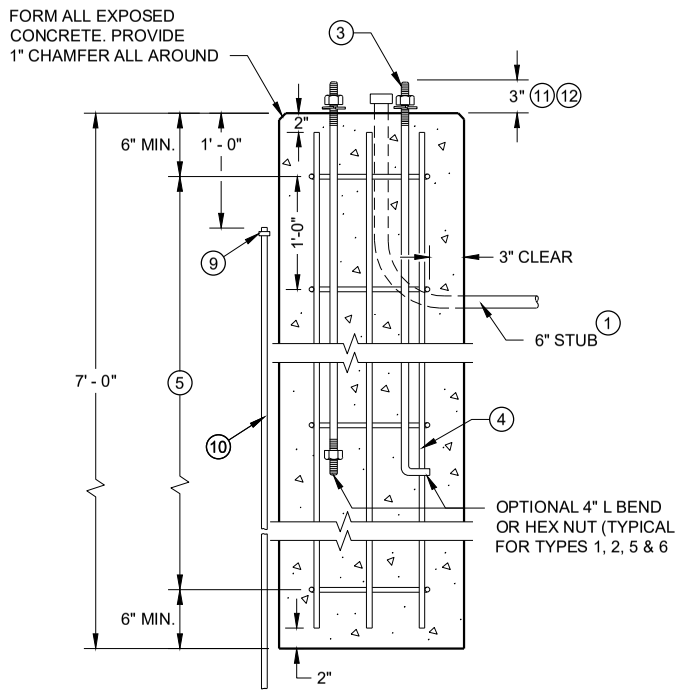
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

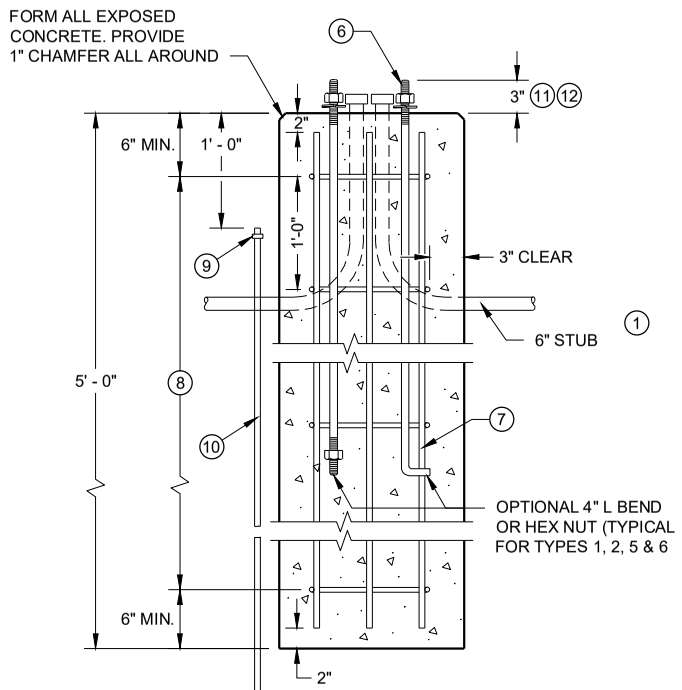
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

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

FHWA

6
SDD 09C02 - 09

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.

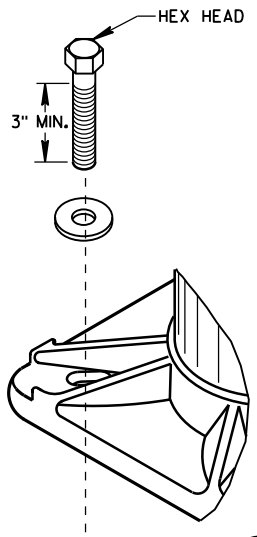
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

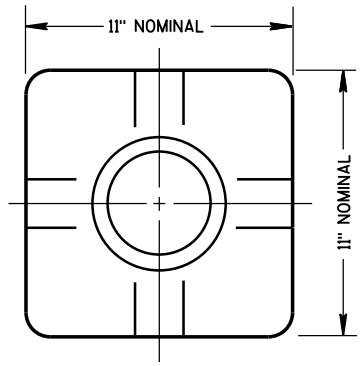
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

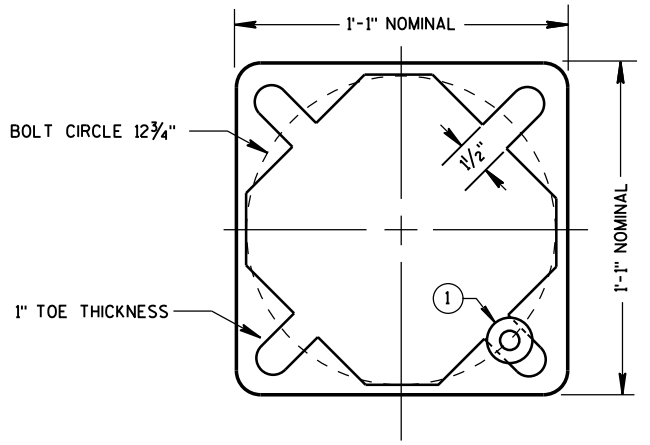
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

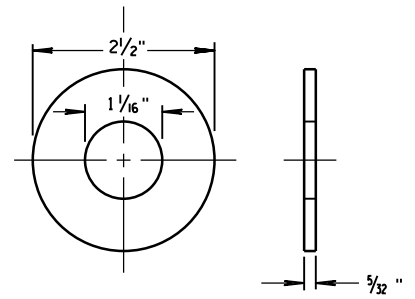




TOP VIEW
(PEDESTAL BASE)

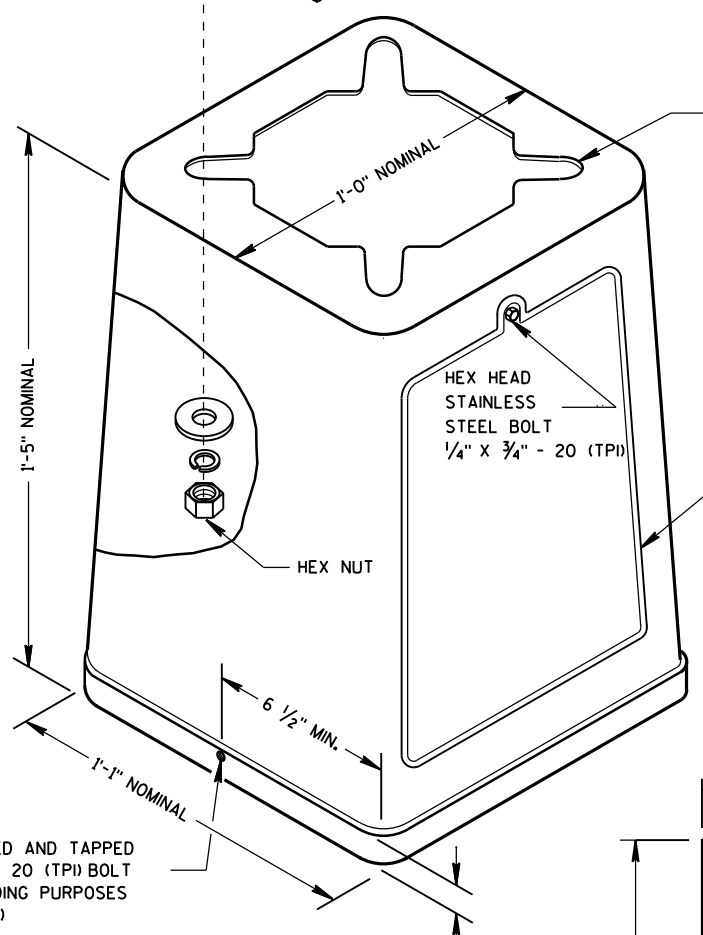


BOTTOM VIEW
(PEDESTAL BASE)

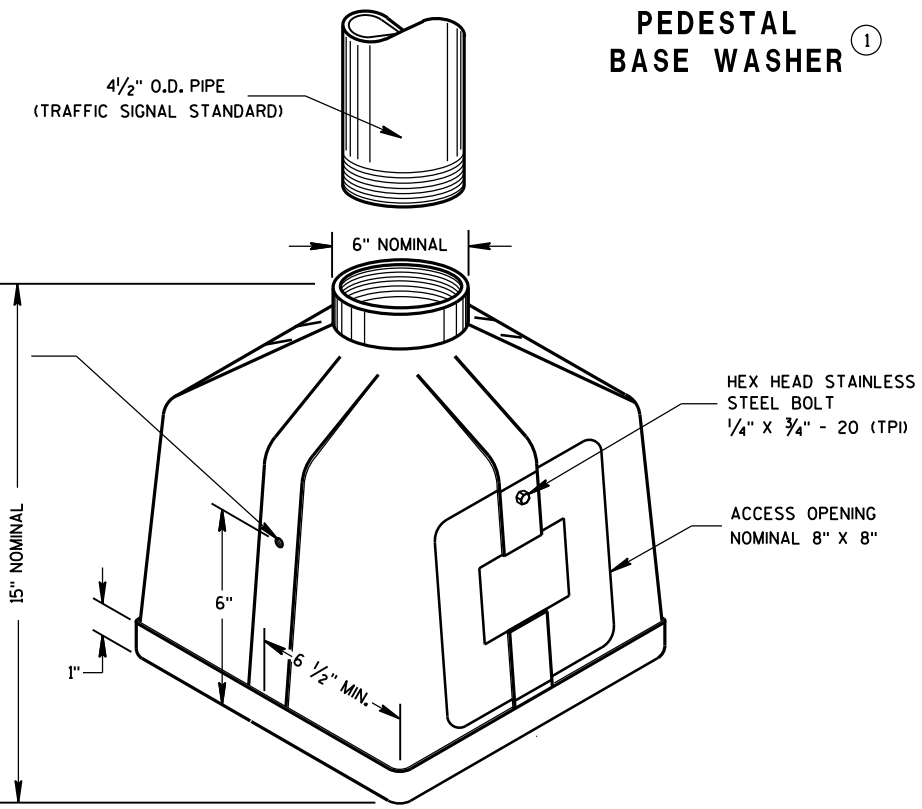


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

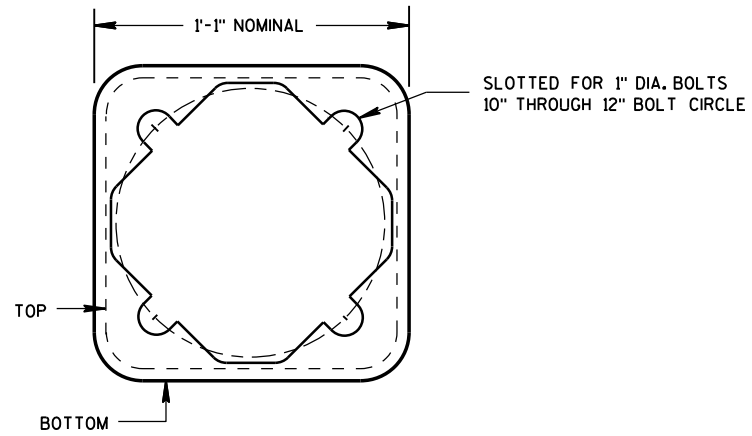
PEDESTAL BASE WASHER (1)



ISOMETRIC VIEW



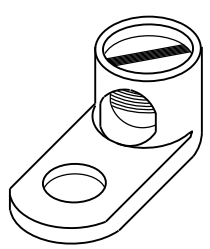
ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

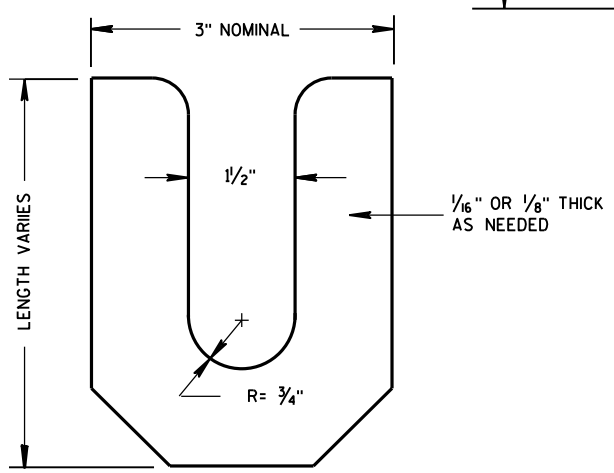
TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

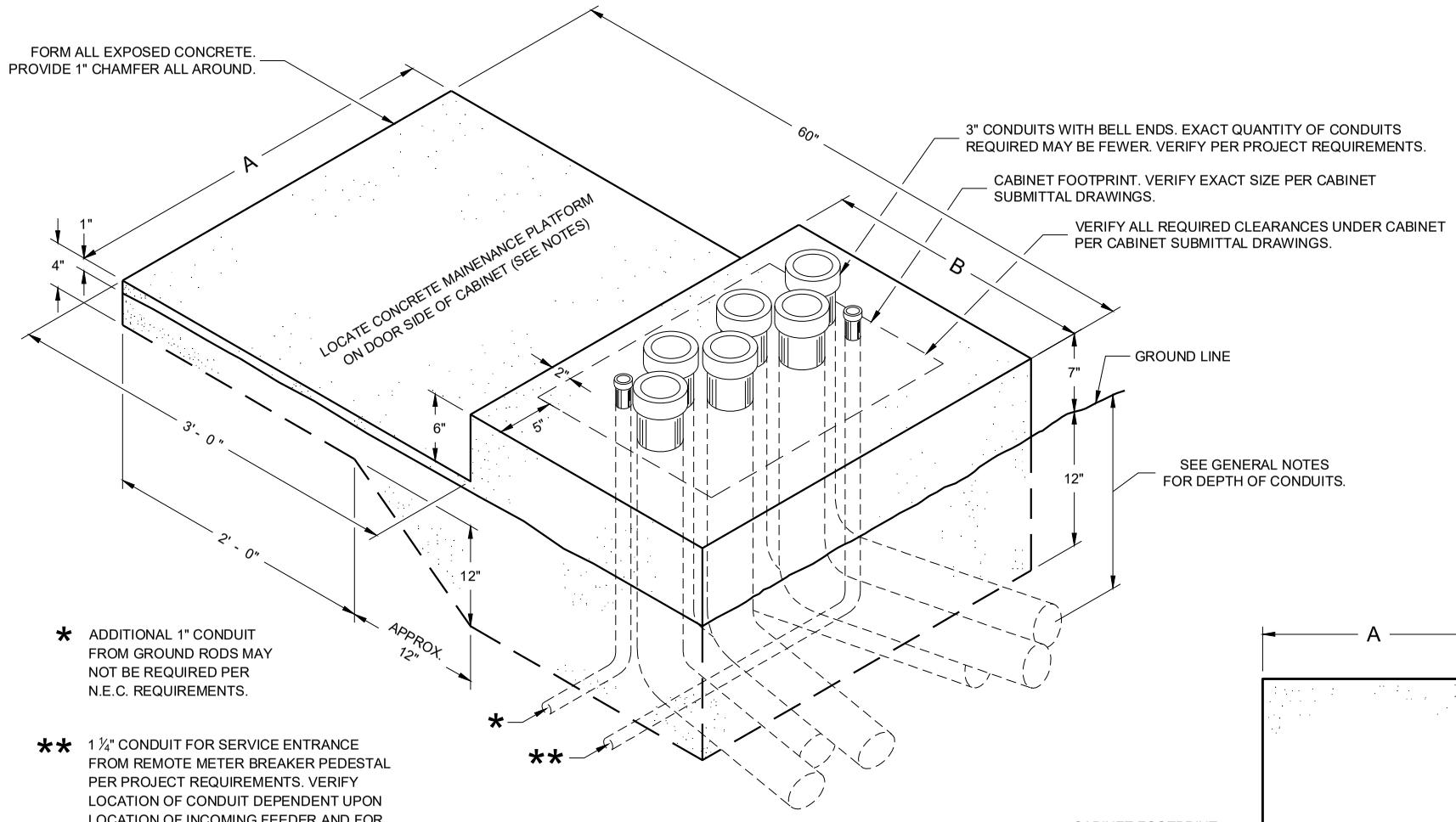
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

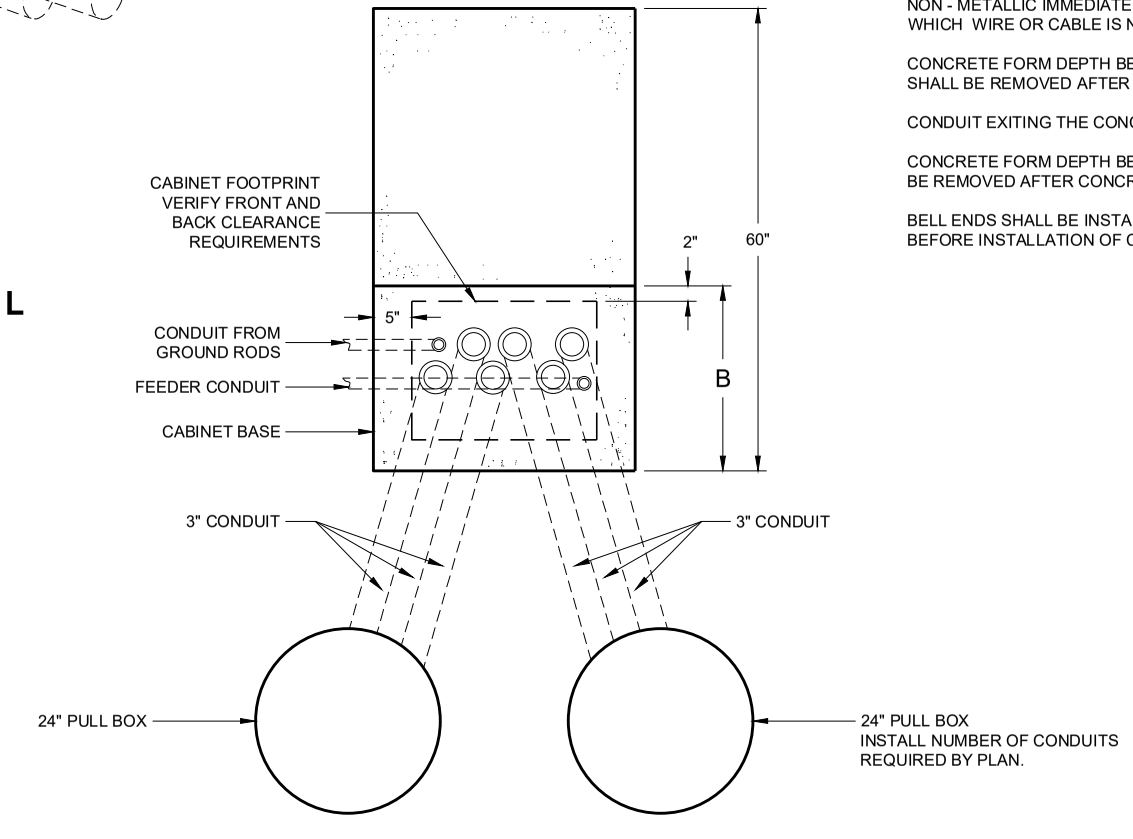
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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 228

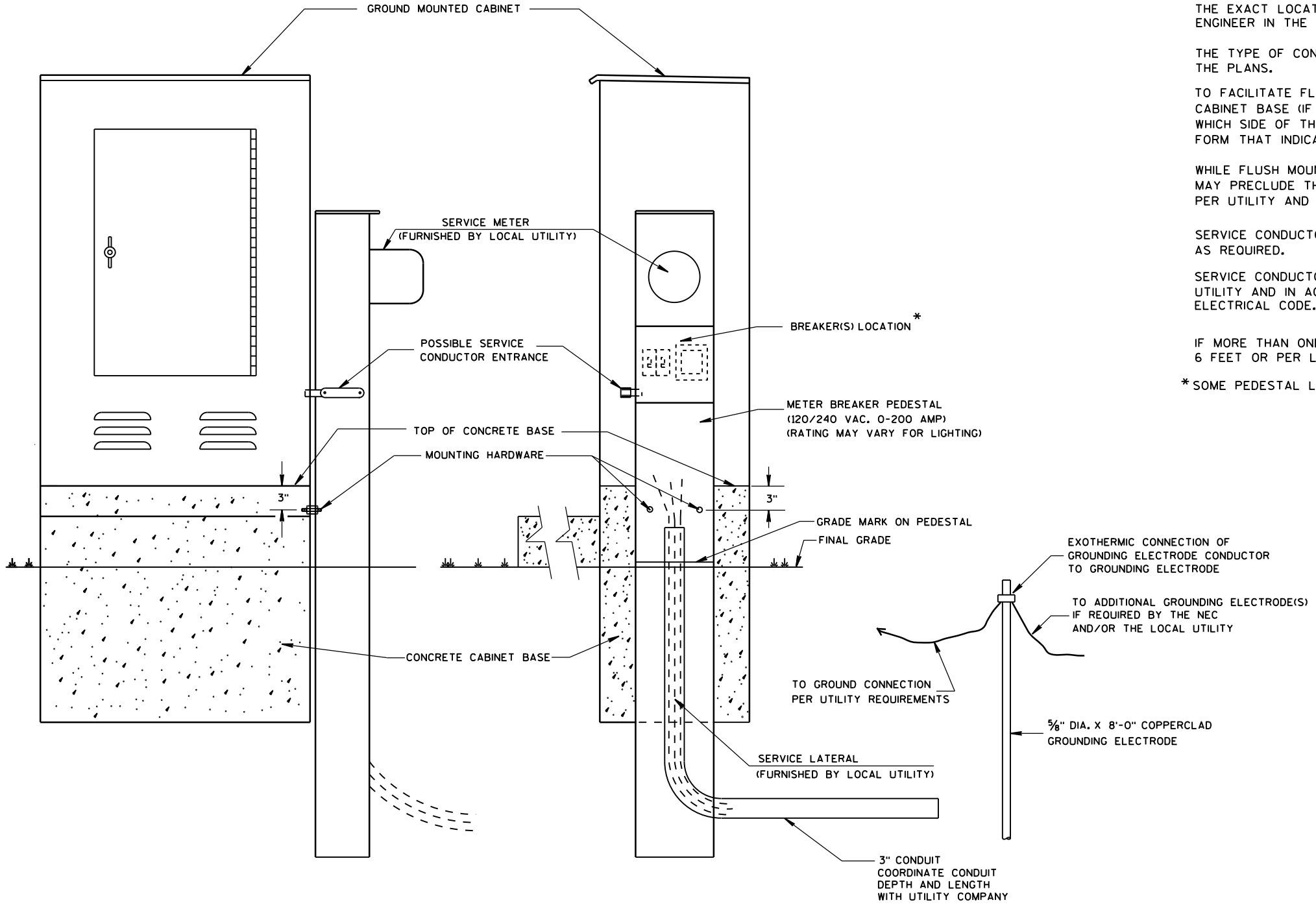
FHWA

6

6

SDD 09C14 - 03

SDD 09C14 - 03



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.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

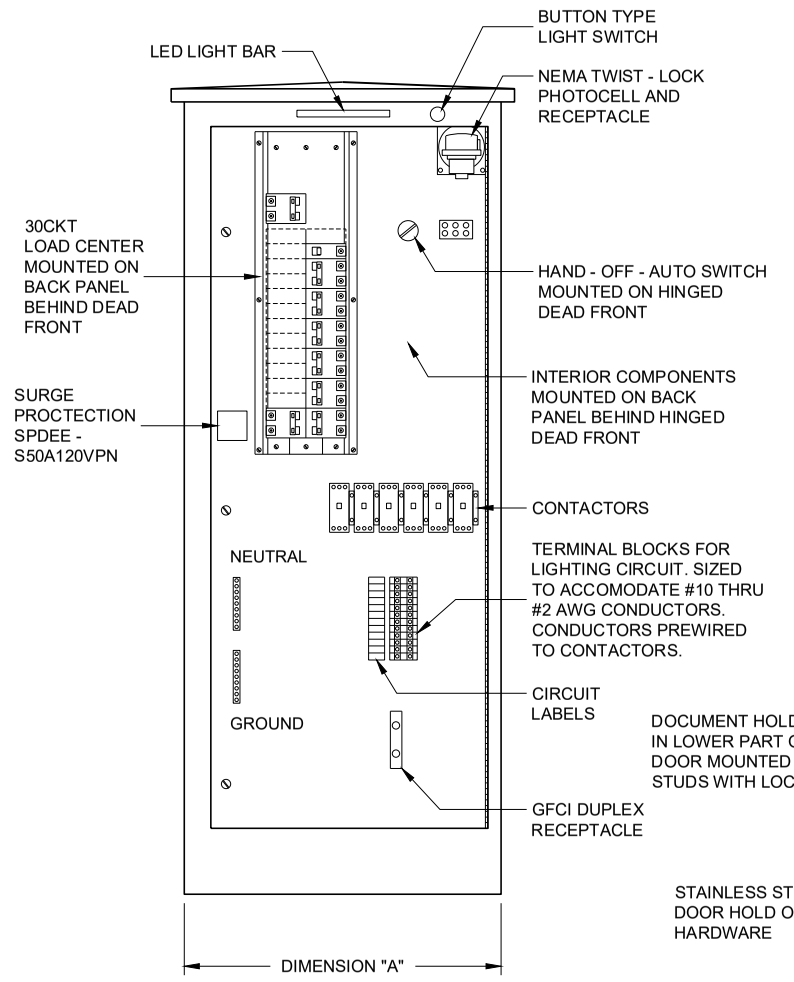
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

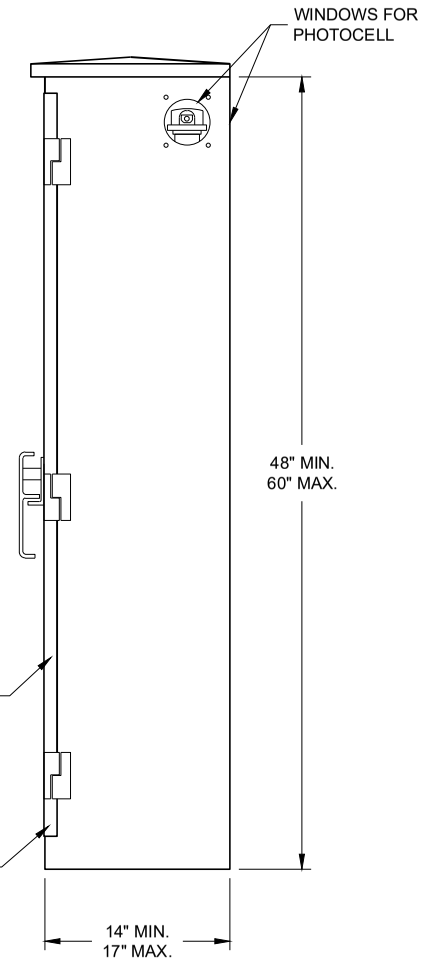
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

FRONT INTERIOR ELEVATION



SIDE VIEW



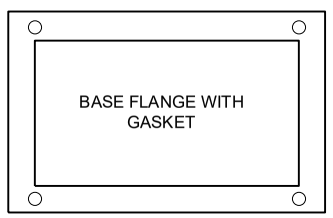
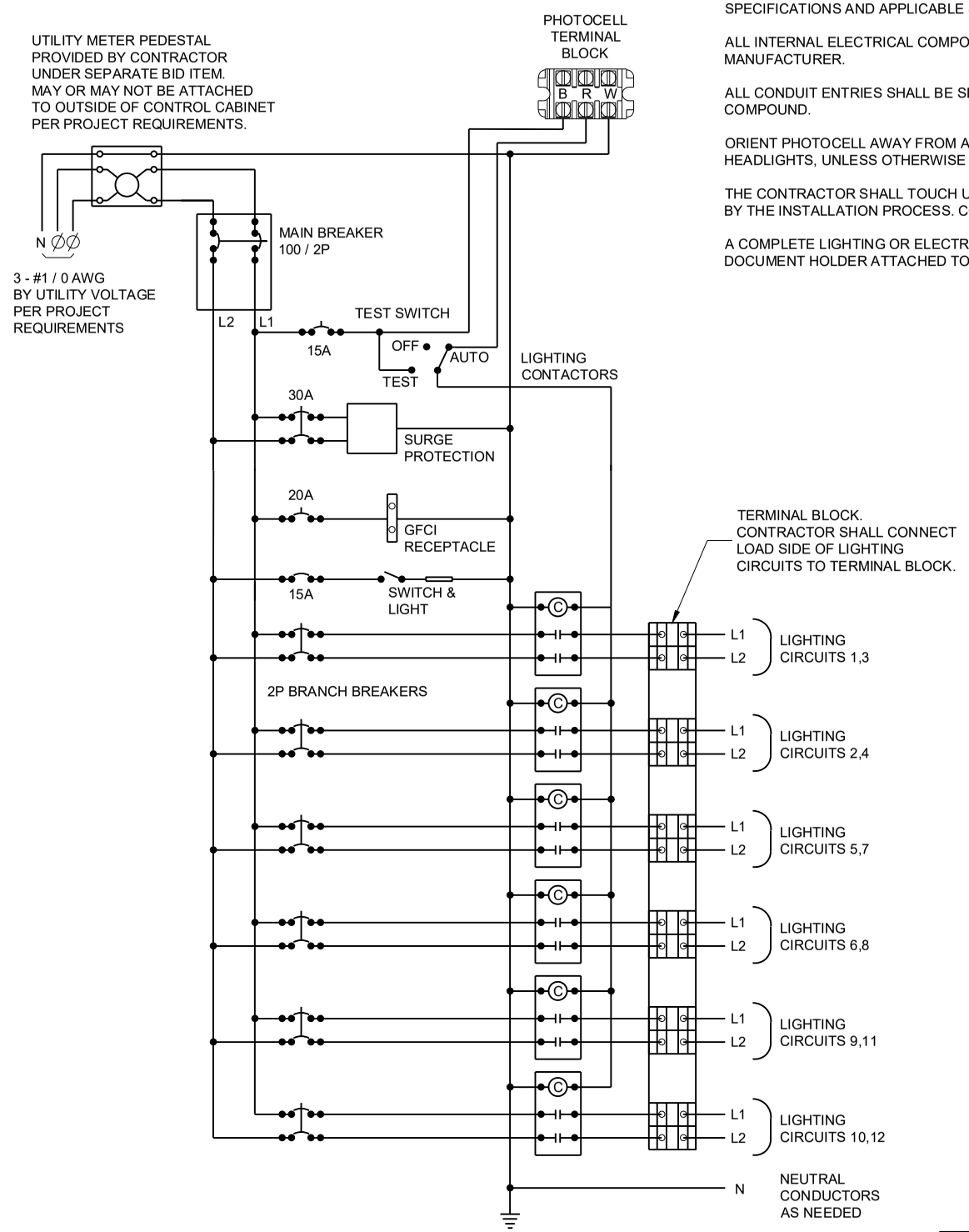


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

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

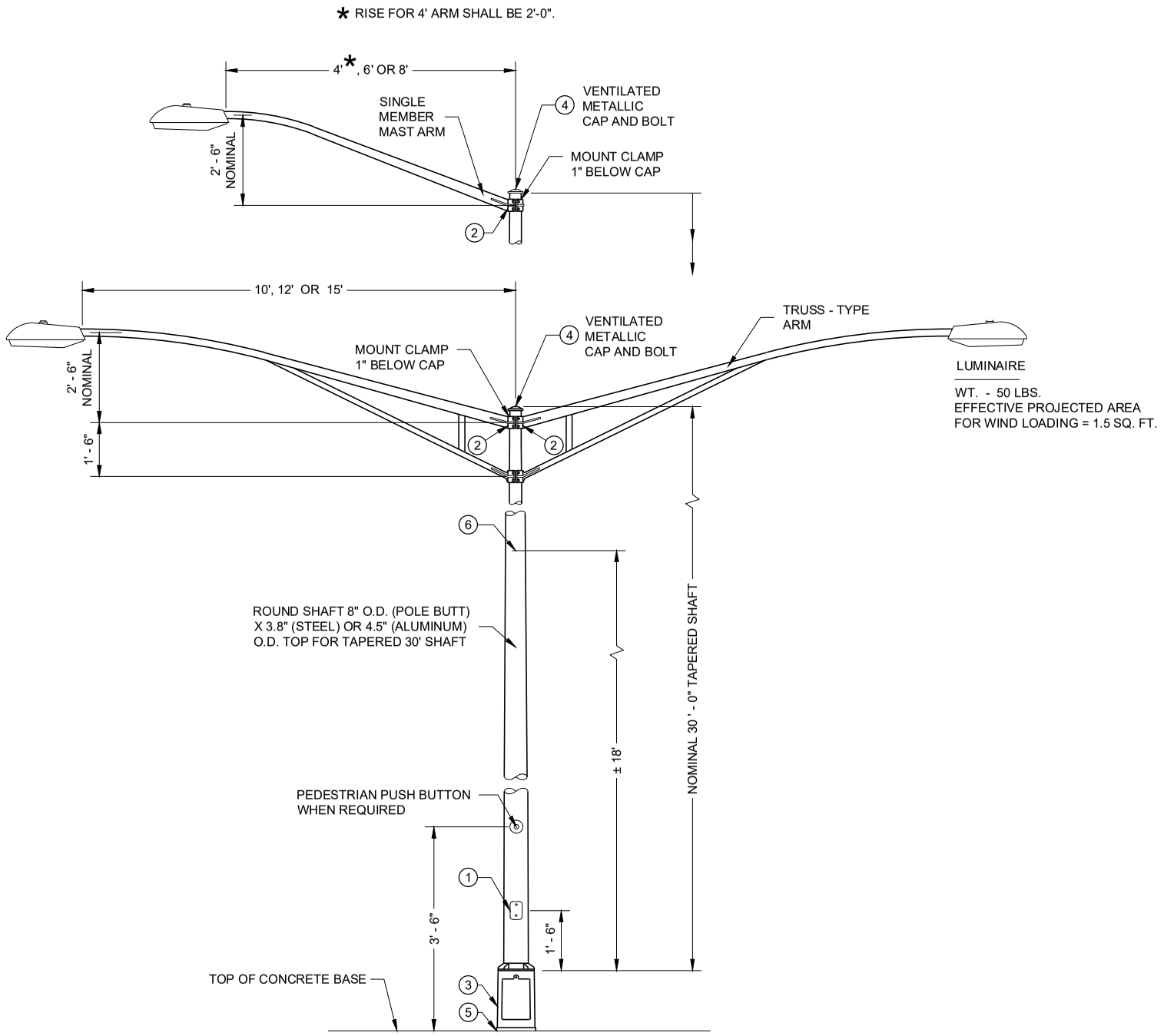
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 230

FHWA

6
SDD 09D04 - 03



TYPE 5 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 5 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 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 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.

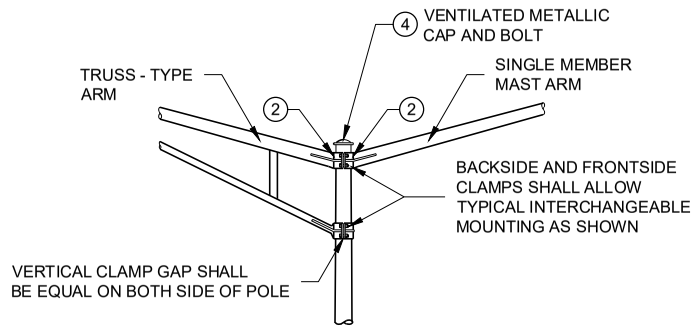
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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 5 (30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 231

6

SDD 09E01 - 15d

6

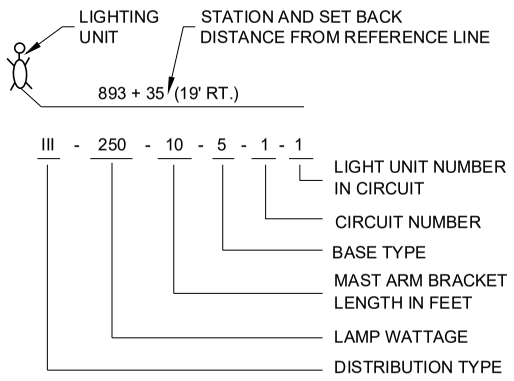
SDD 09E01 - 15d

GENERAL NOTES

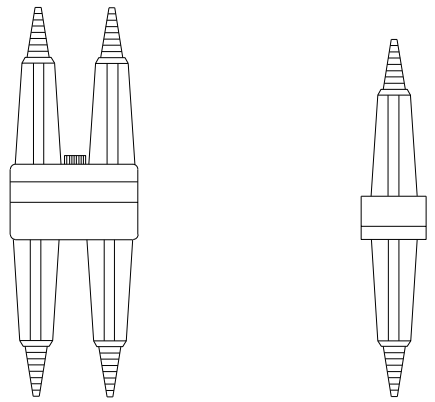
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

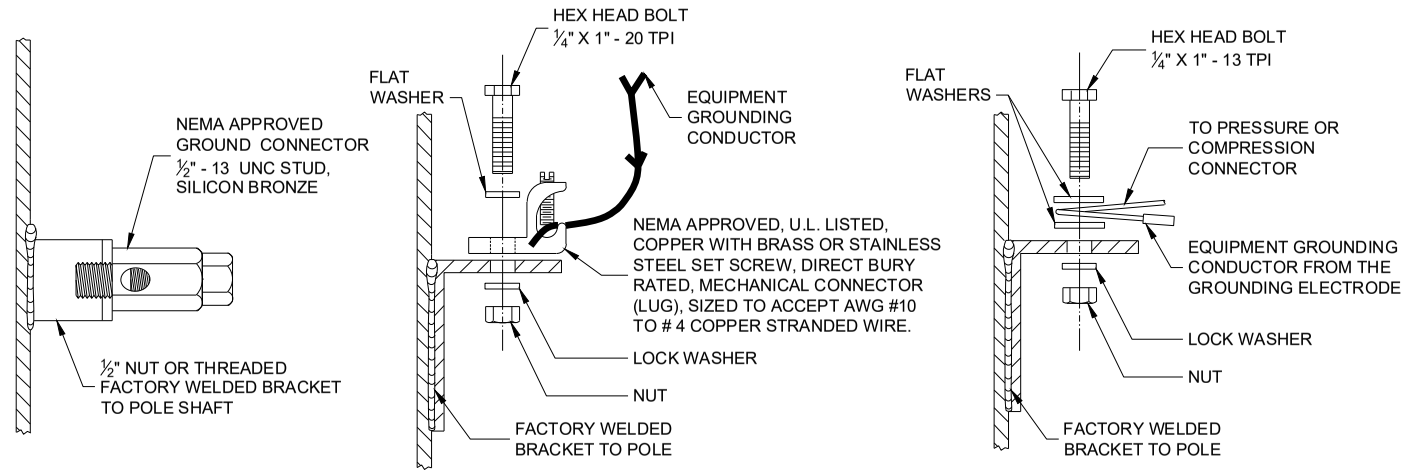


LIGHTING UNIT CODE
(TYPICAL)

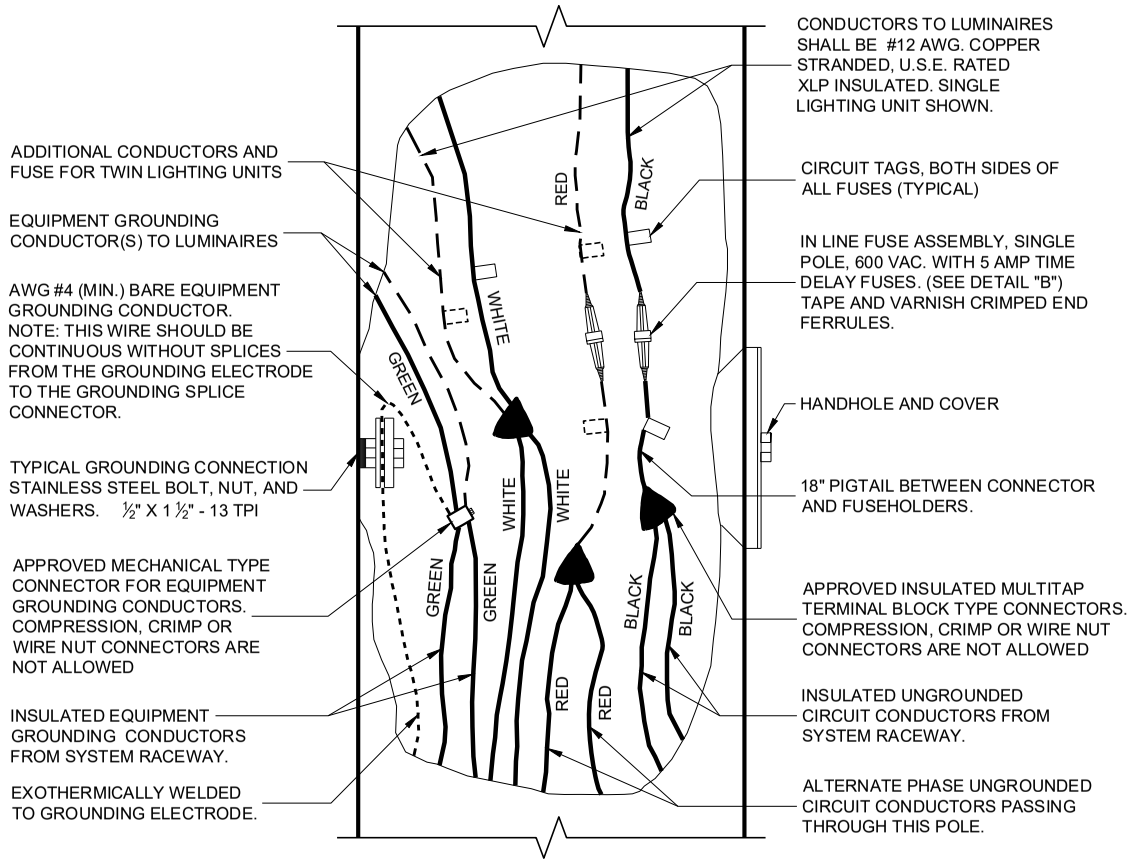


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

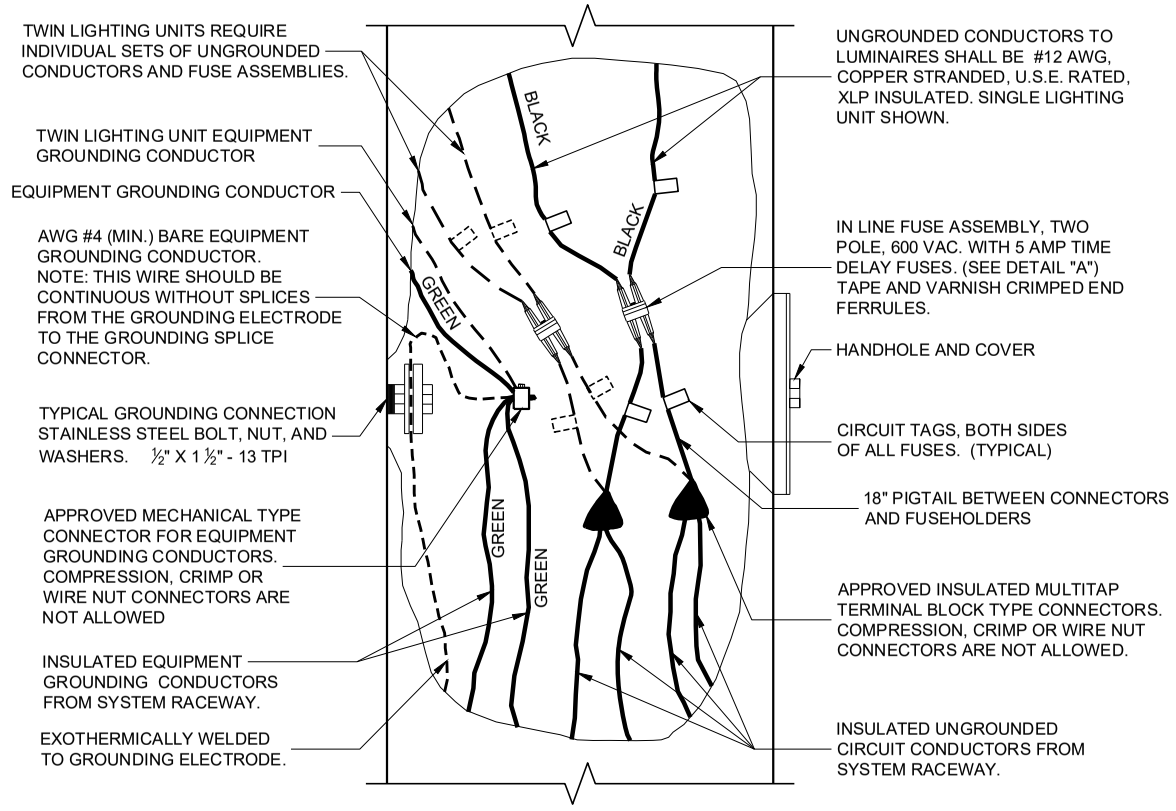
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR

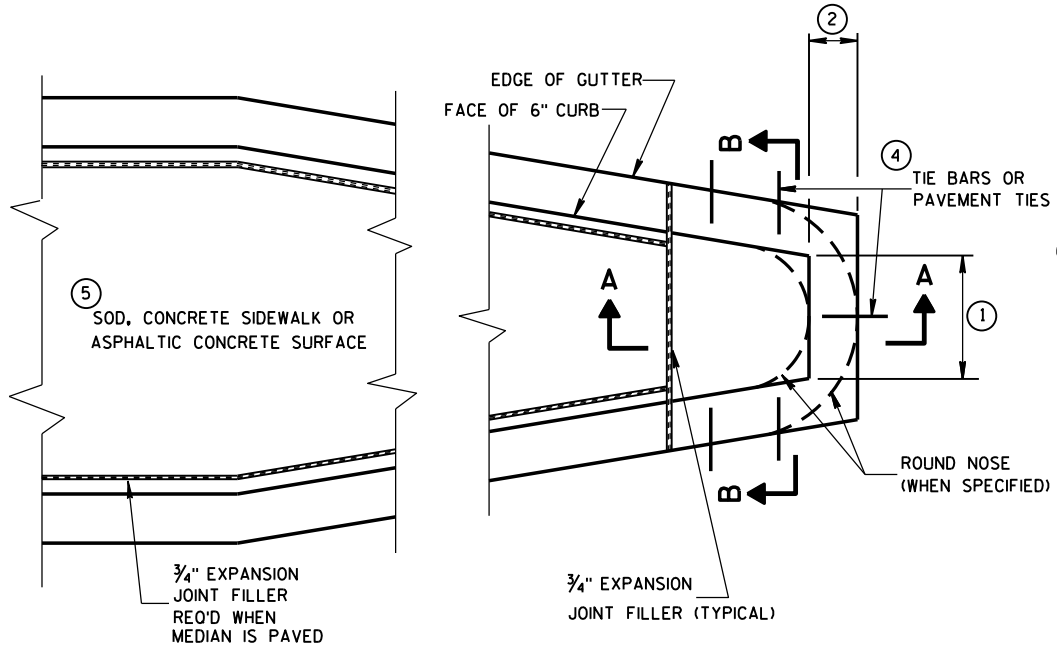


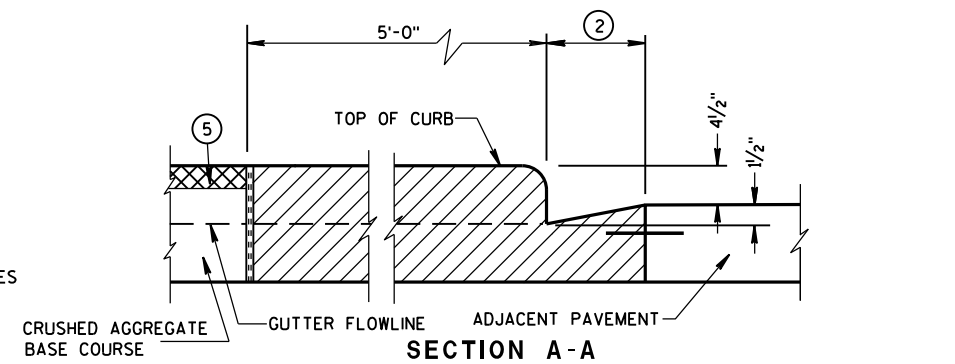
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

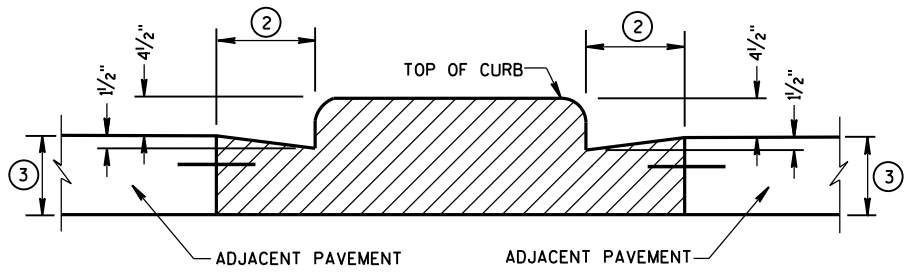
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 232
FHWA







CONCRETE MEDIAN BLUNT NOSE DETAIL

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) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

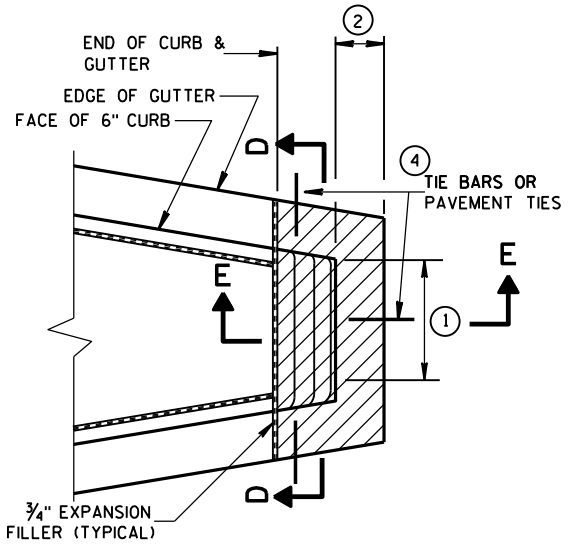
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

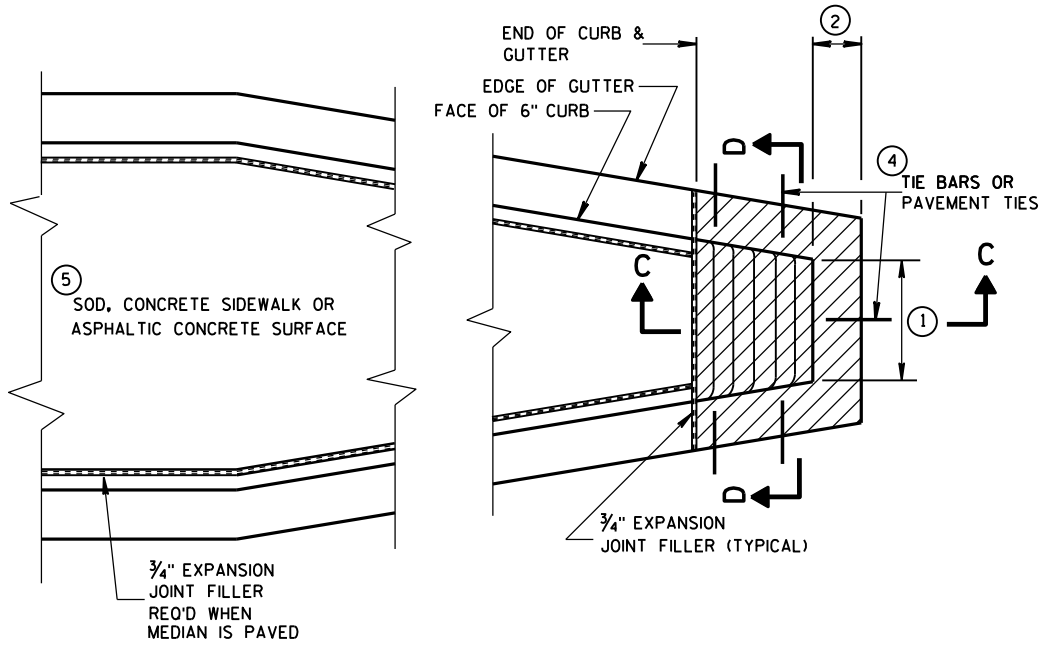
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

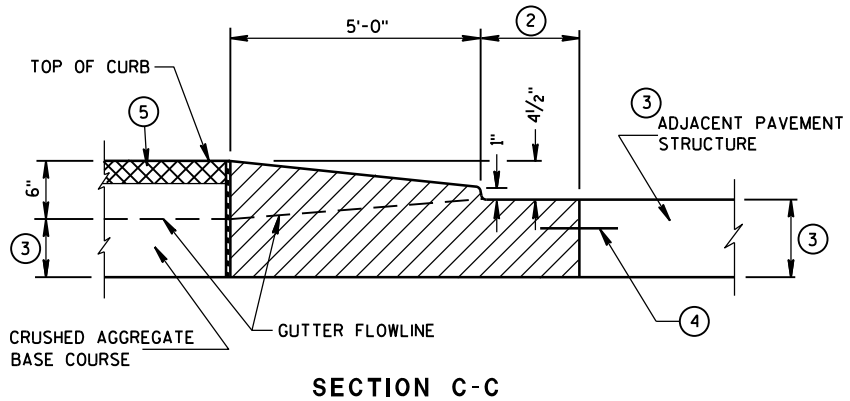
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

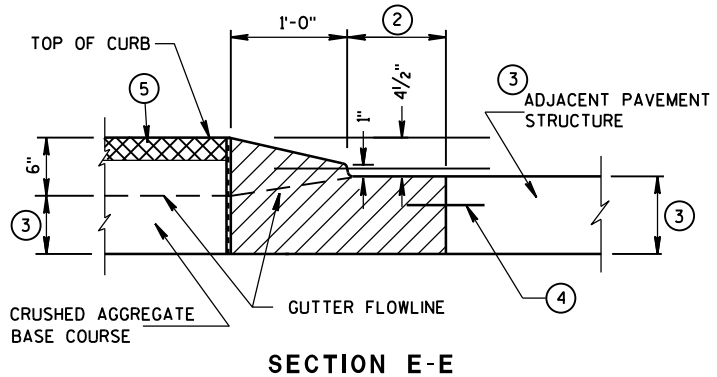
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



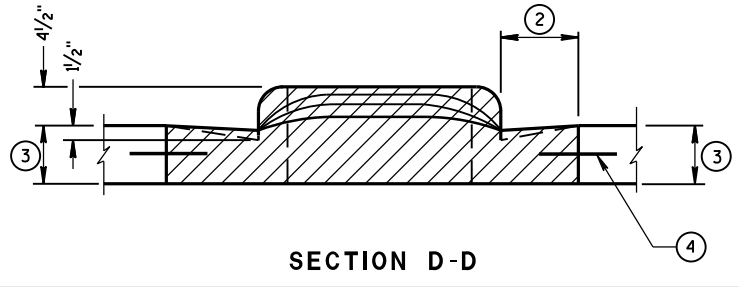






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

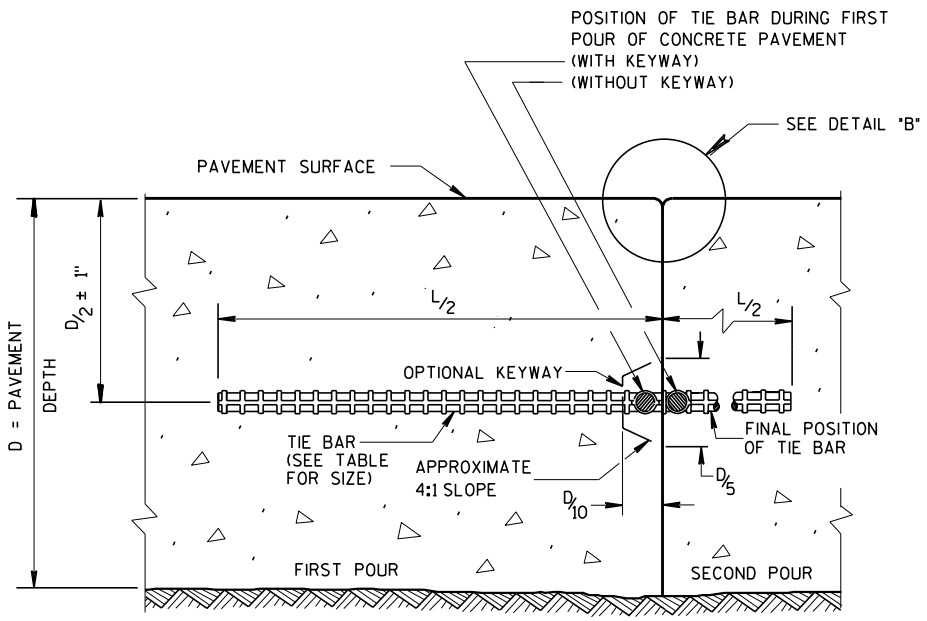
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

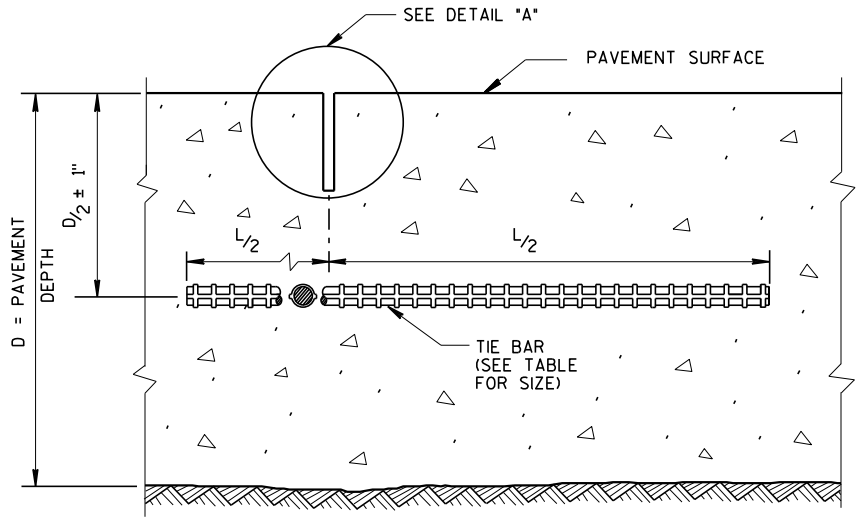
S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

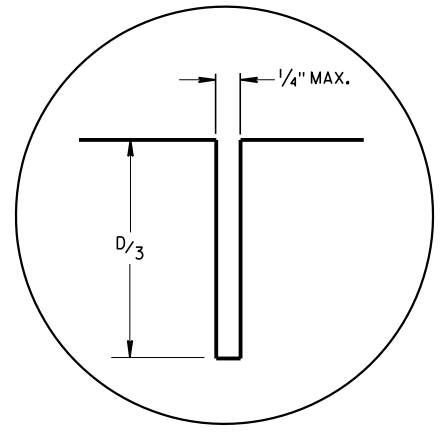
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

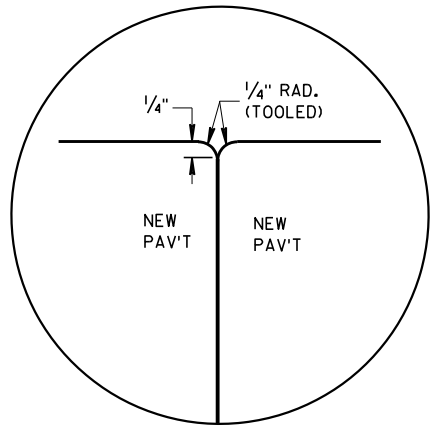
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

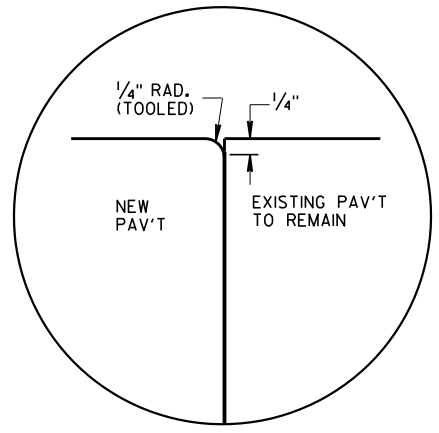
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



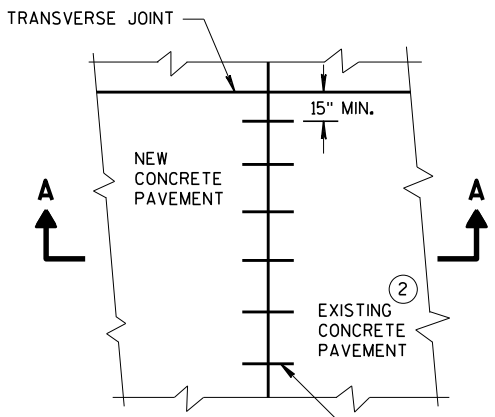
DETAIL "A"



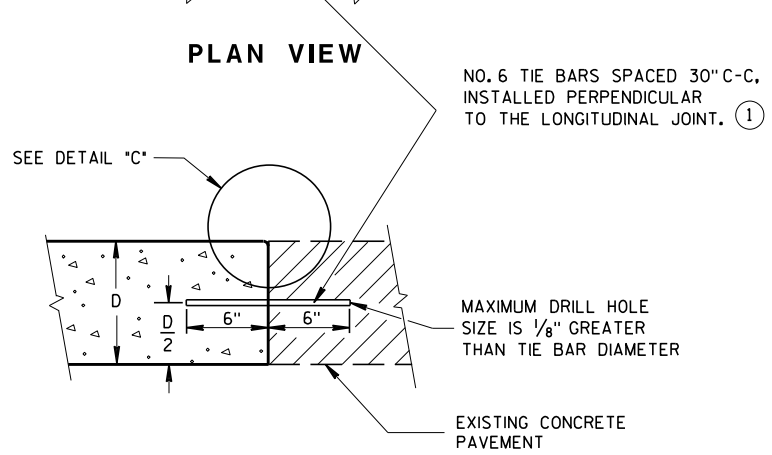
DETAIL "B"



DETAIL "C"



PLAN VIEW



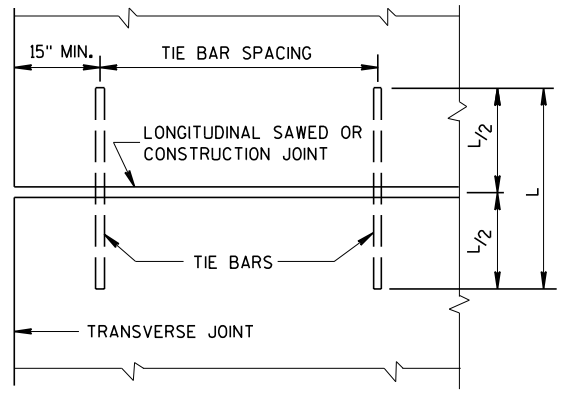
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	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.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

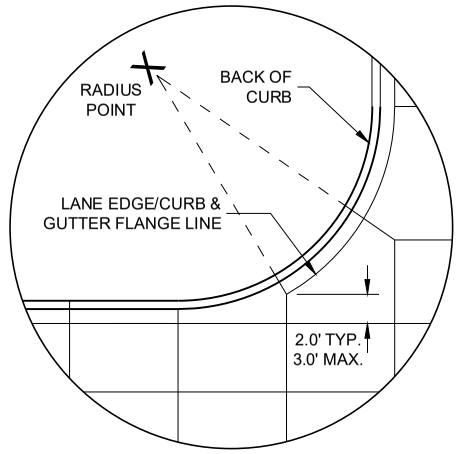
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

6

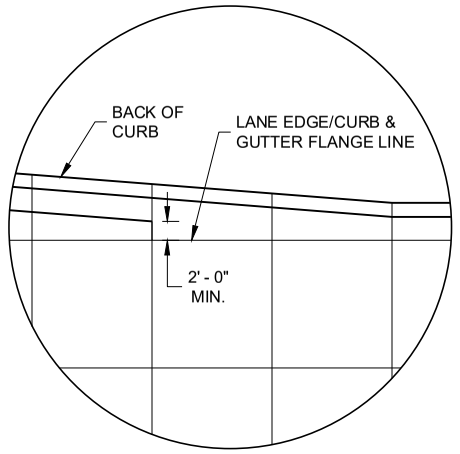
S.D.D. 13 C 1-19

6

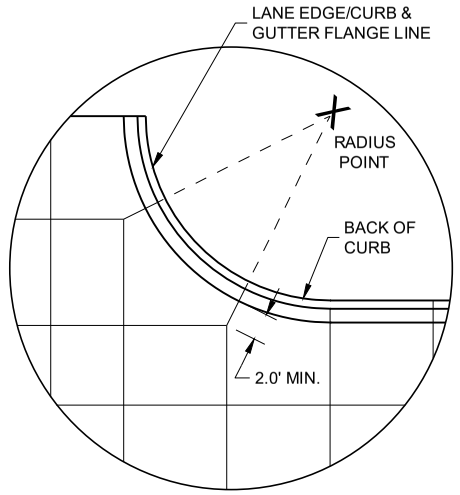
S.D.D. 13 C 1-19



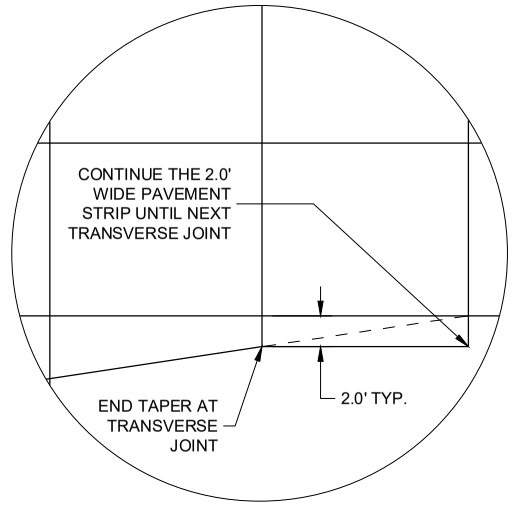
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

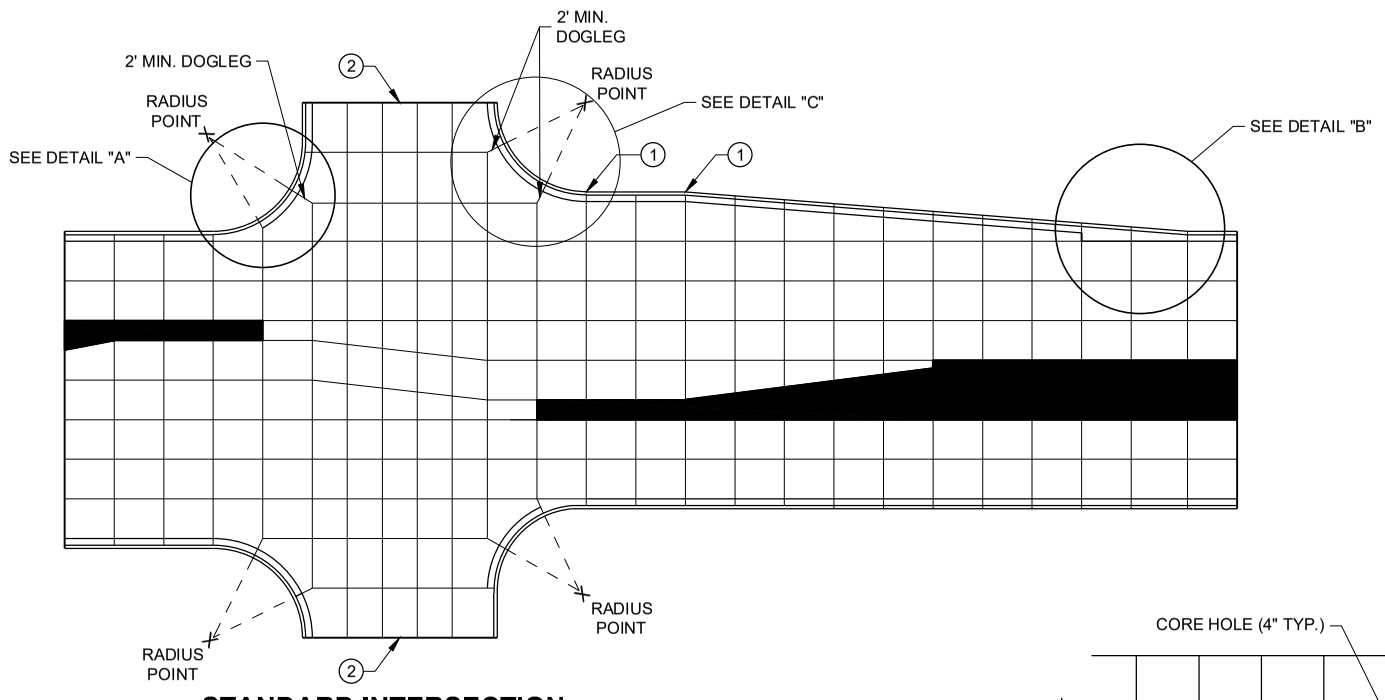
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

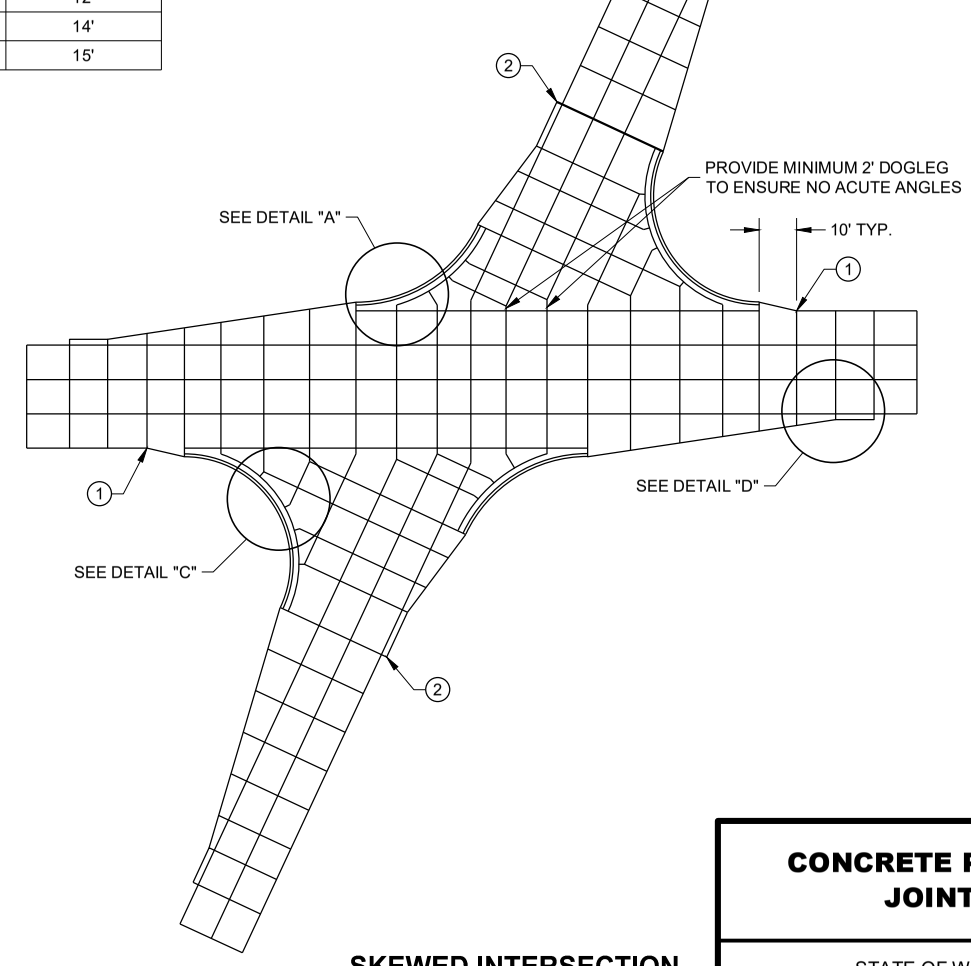
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



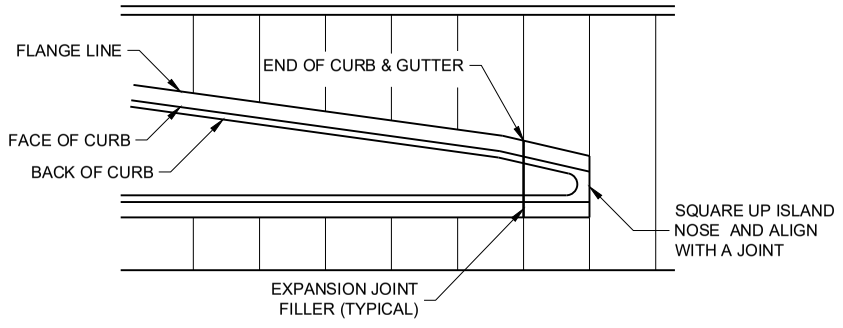
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

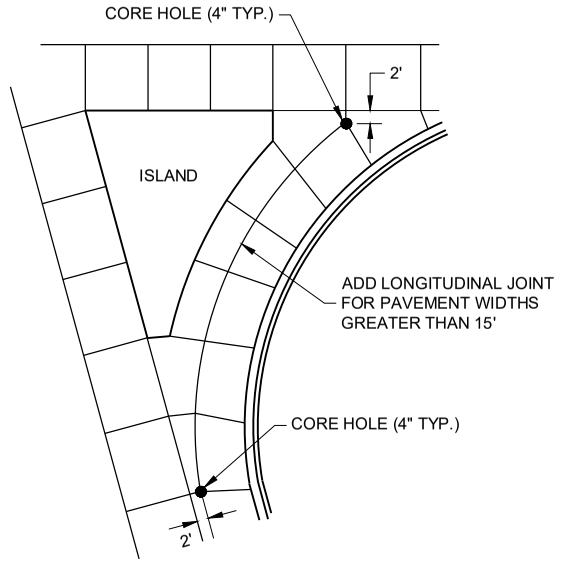
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 235

6

SDD 13C18 - 07a

6

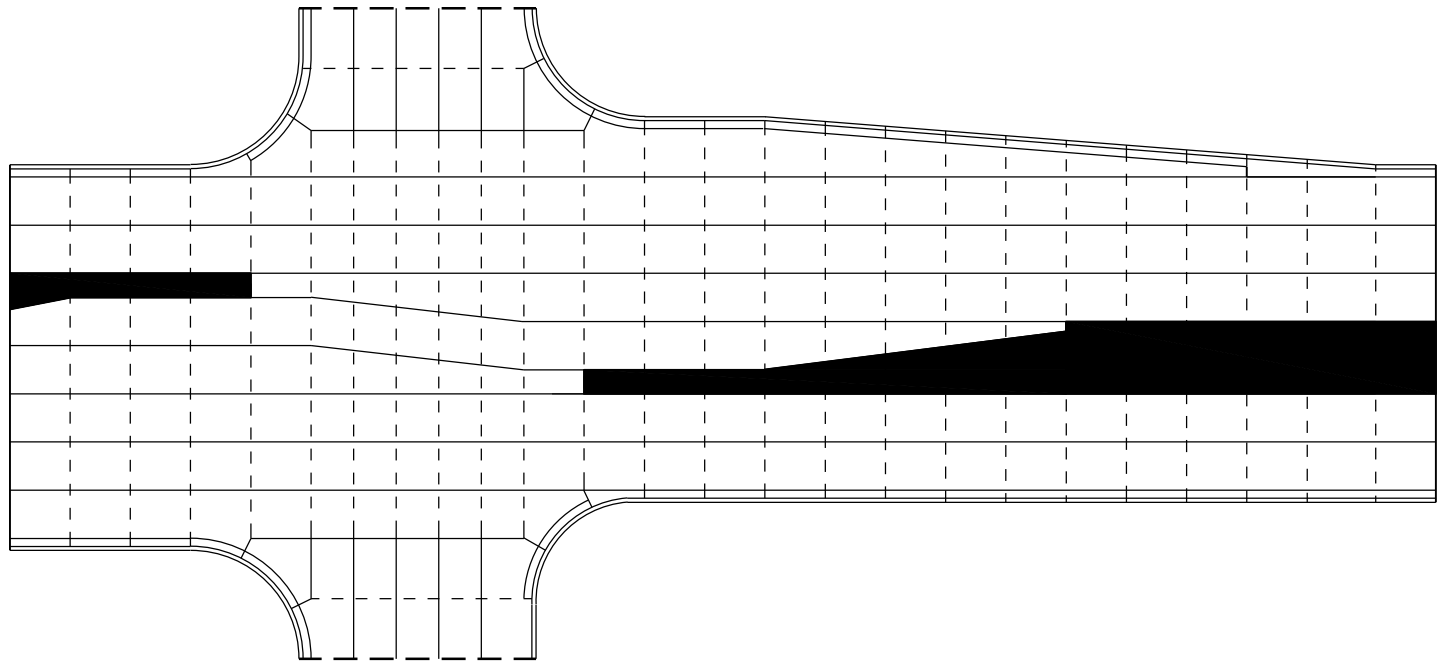
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

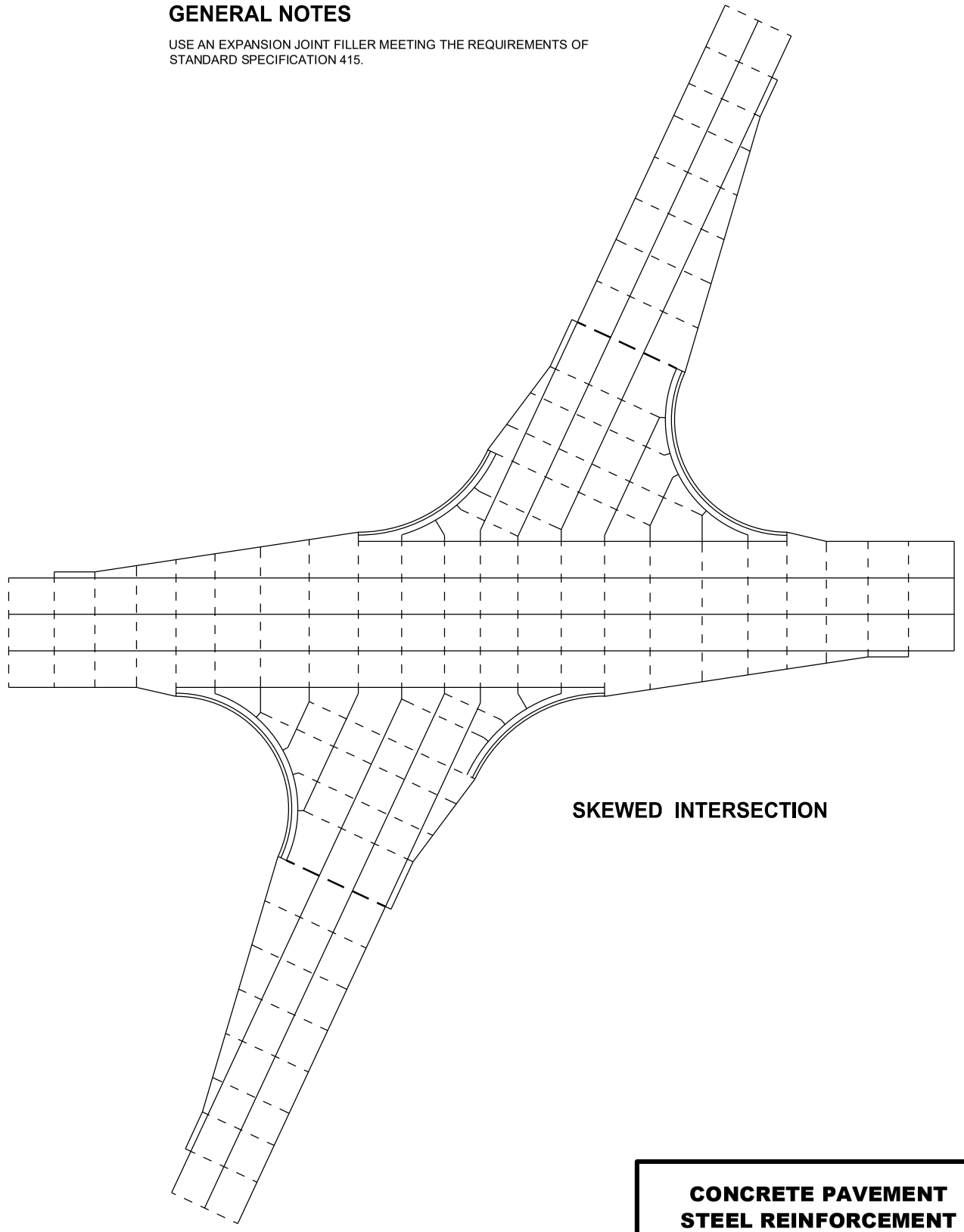
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

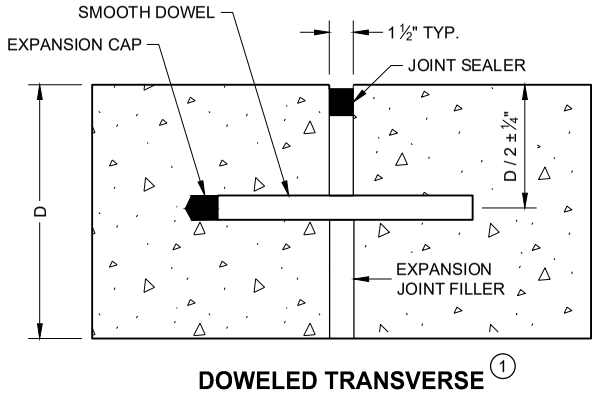
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

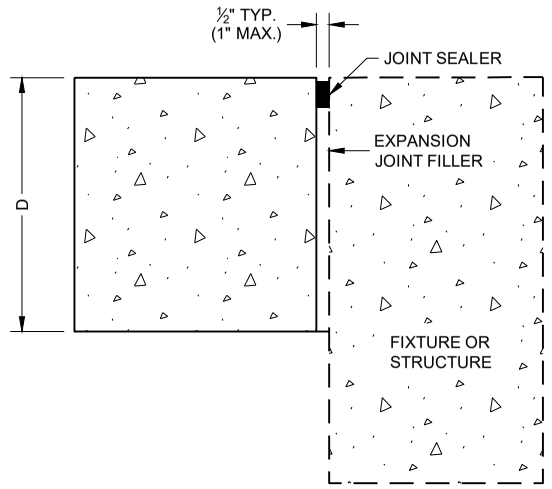
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 236

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

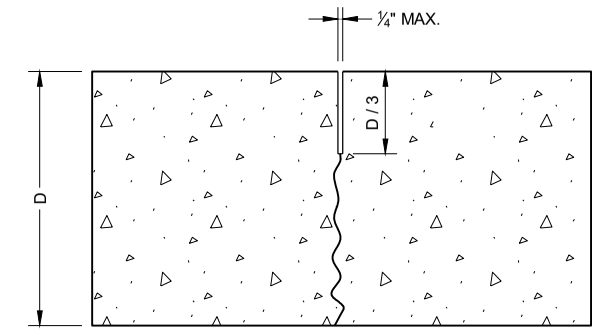
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

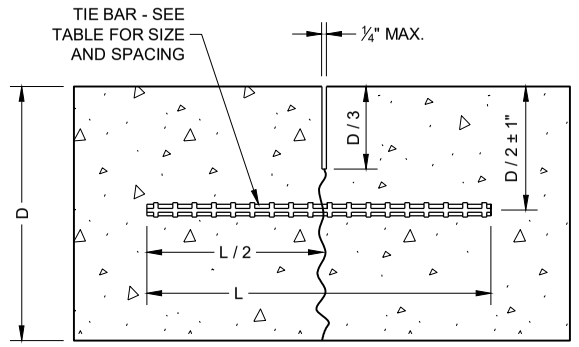
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

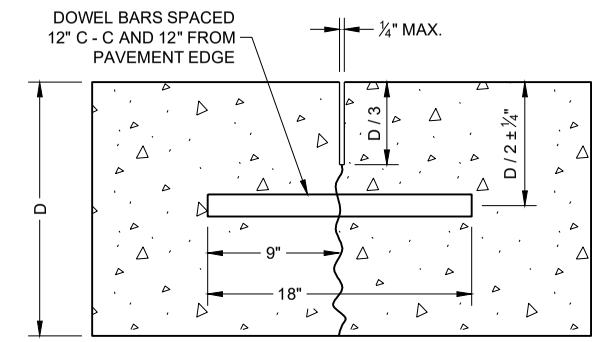
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

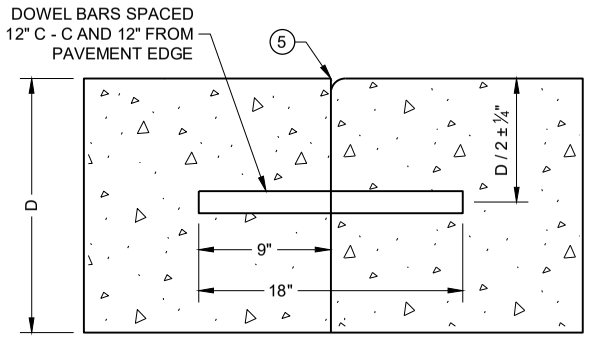


TIED LONGITUDINAL

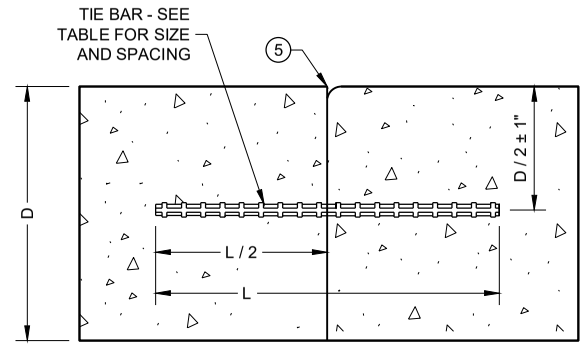


DOWELED TRANSVERSE

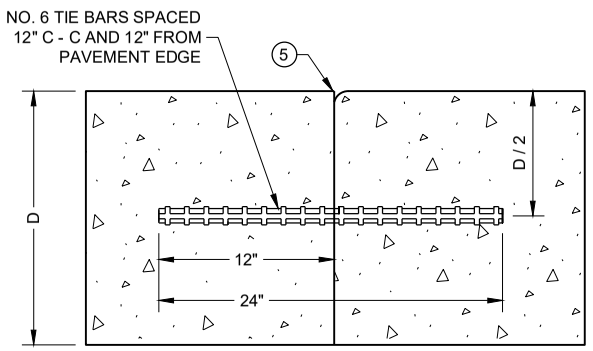
CONTRACTION JOINTS (2)



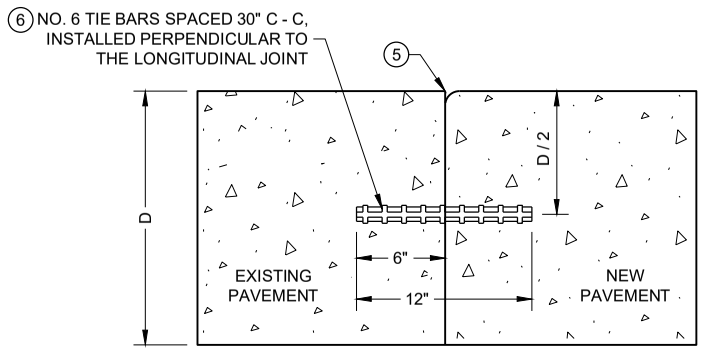
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

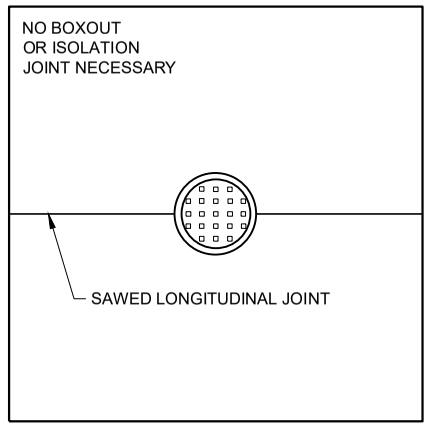
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 237

6

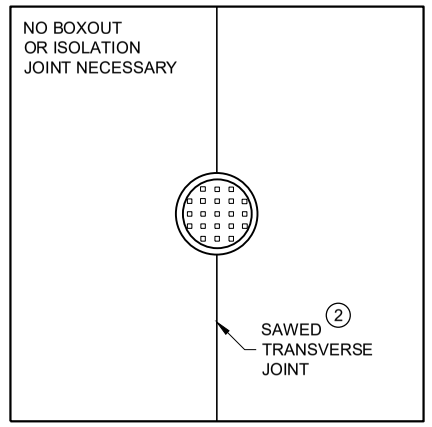
SDD 13C18 - 07c

6

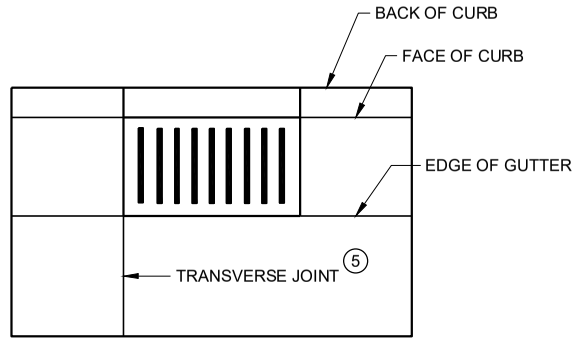
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



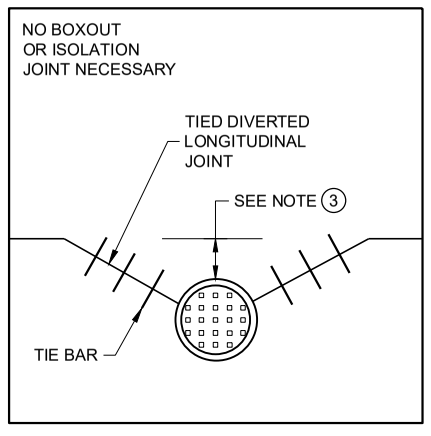
MANHOLE WITH TRANSVERSE JOINT



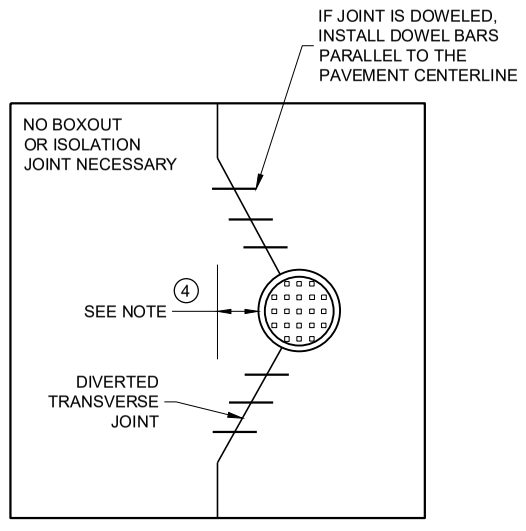
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

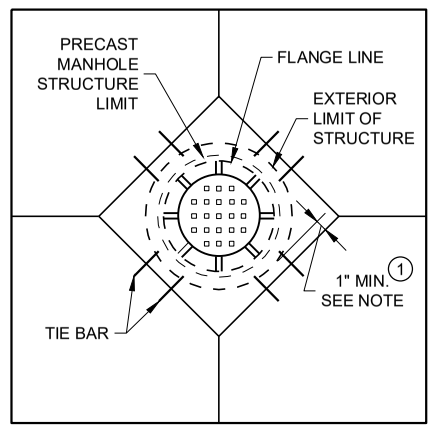
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

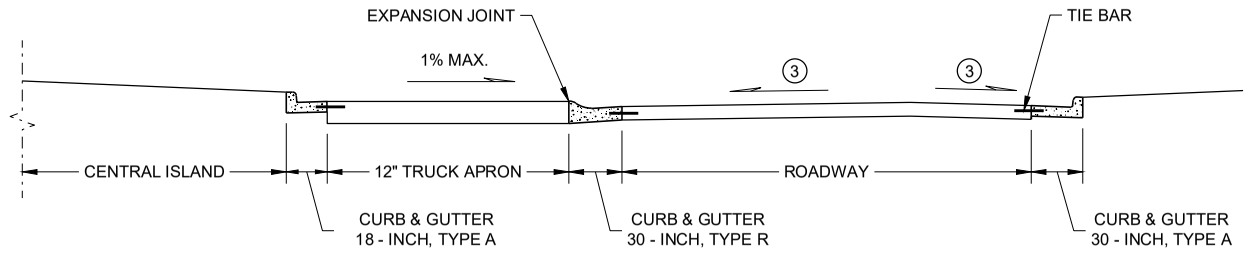
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

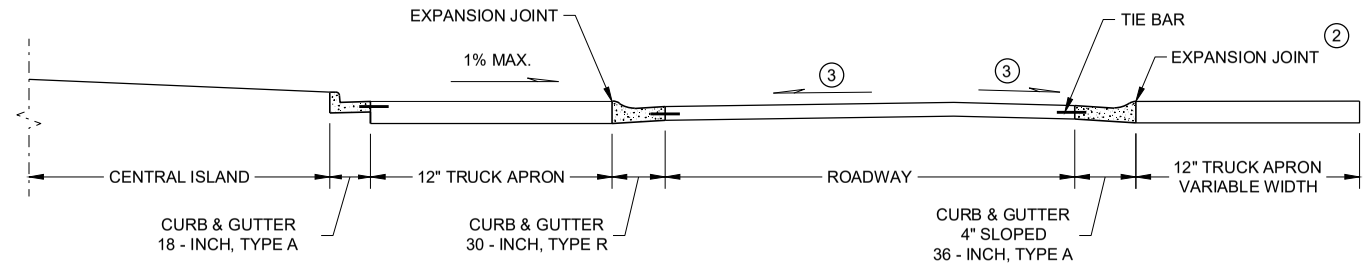
APPROVED
November 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPERVIS
FHWA

6

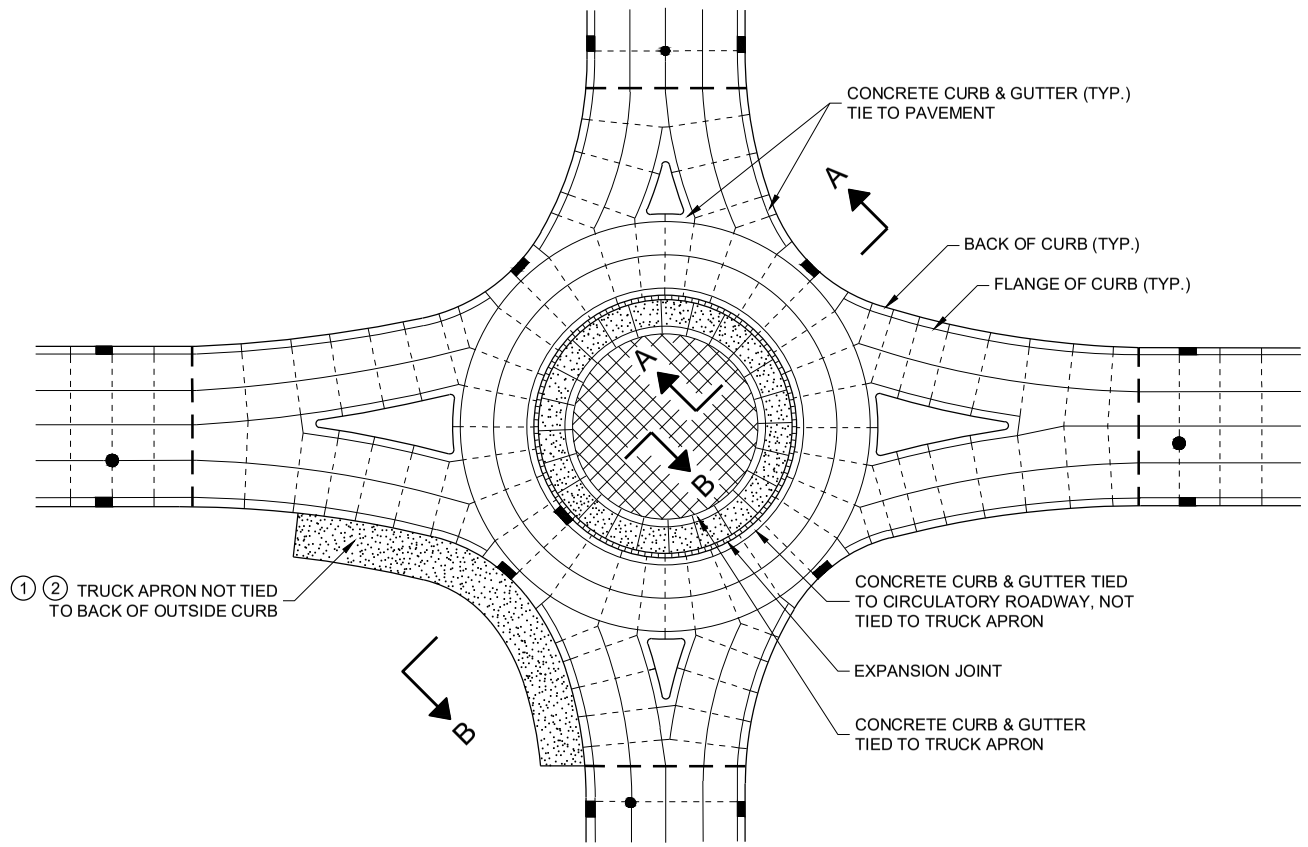
SDD 13C18 - 07d



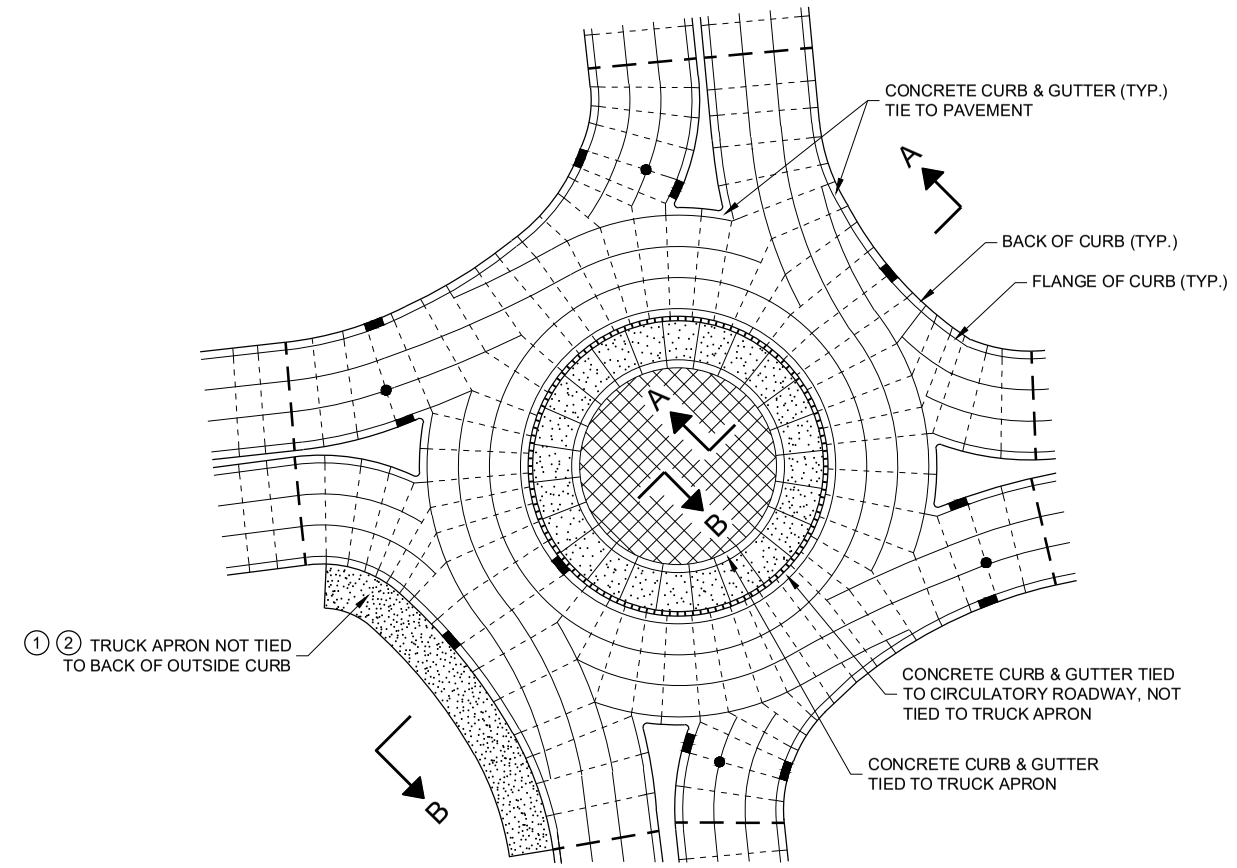
SECTION A - A



SECTION B - B



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

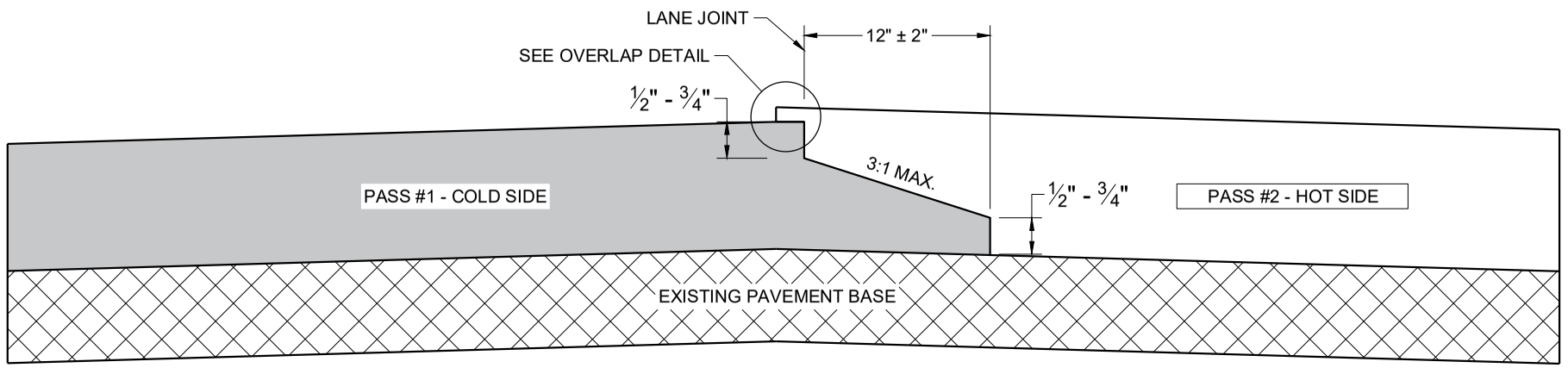
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS 239

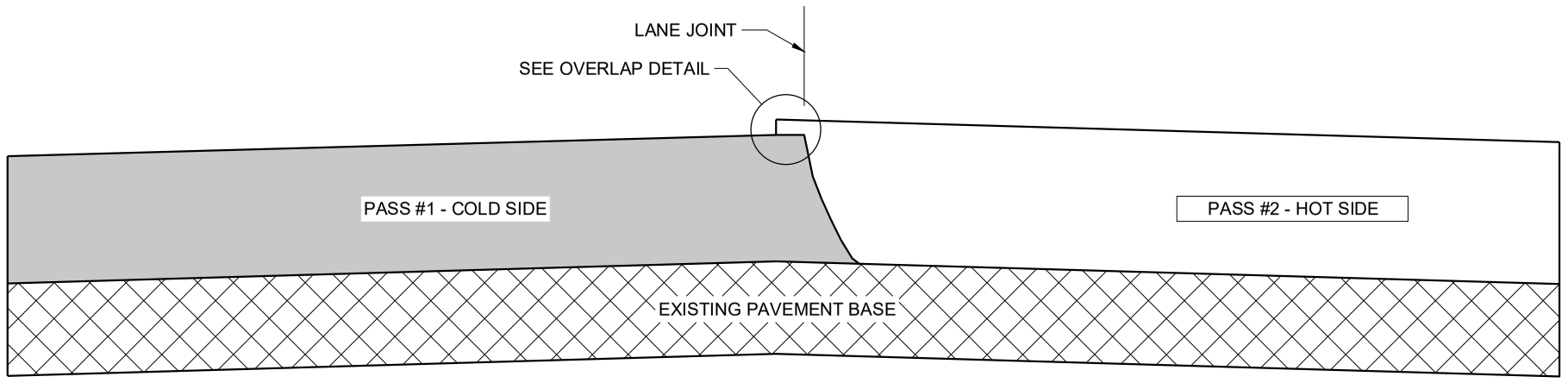
FHWA

6

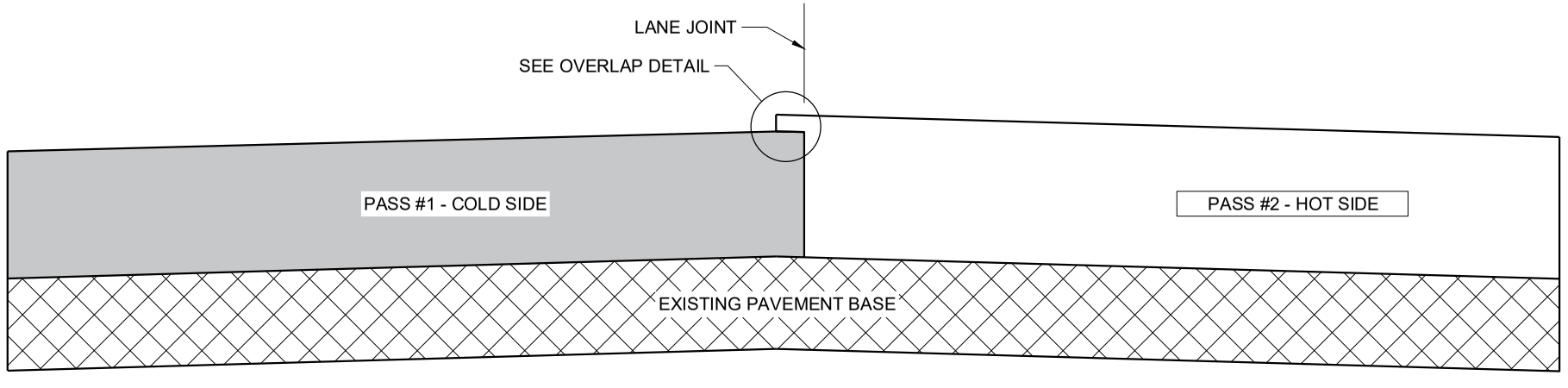
SDD 13C18 - 07e



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

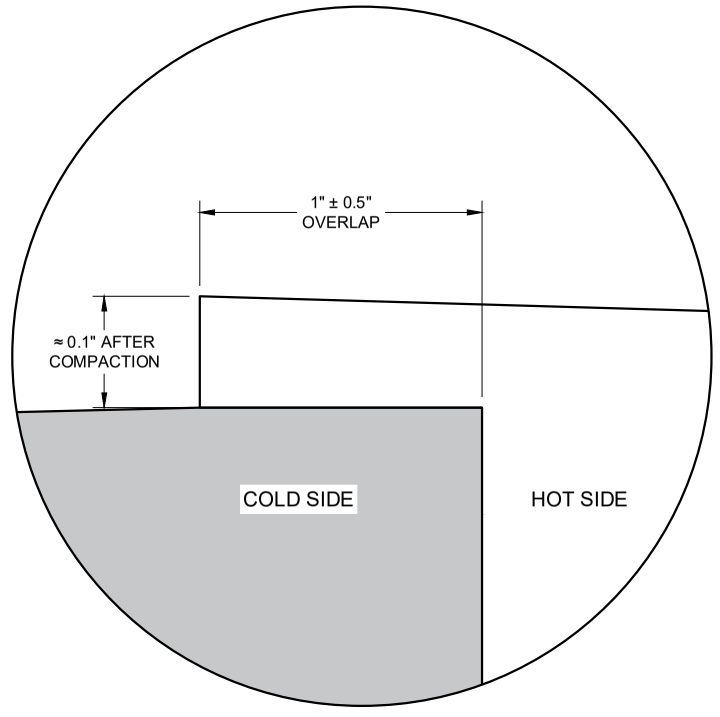
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

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)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

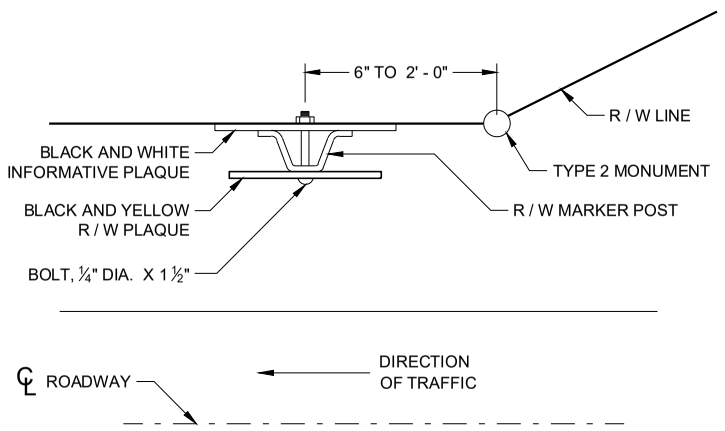
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

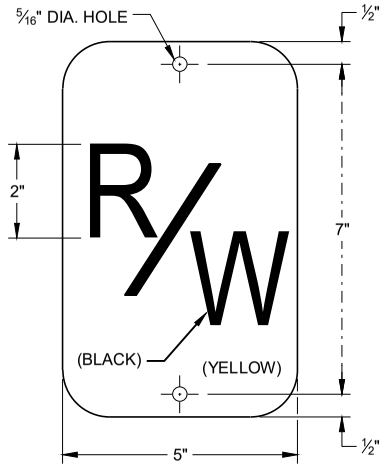
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

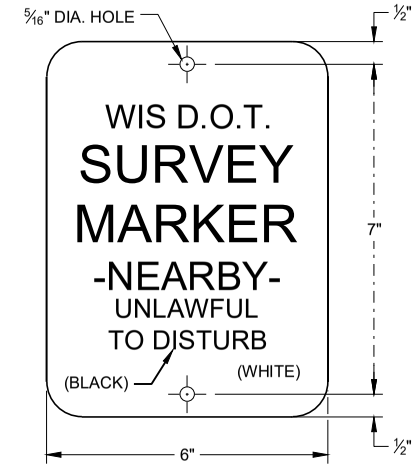


PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

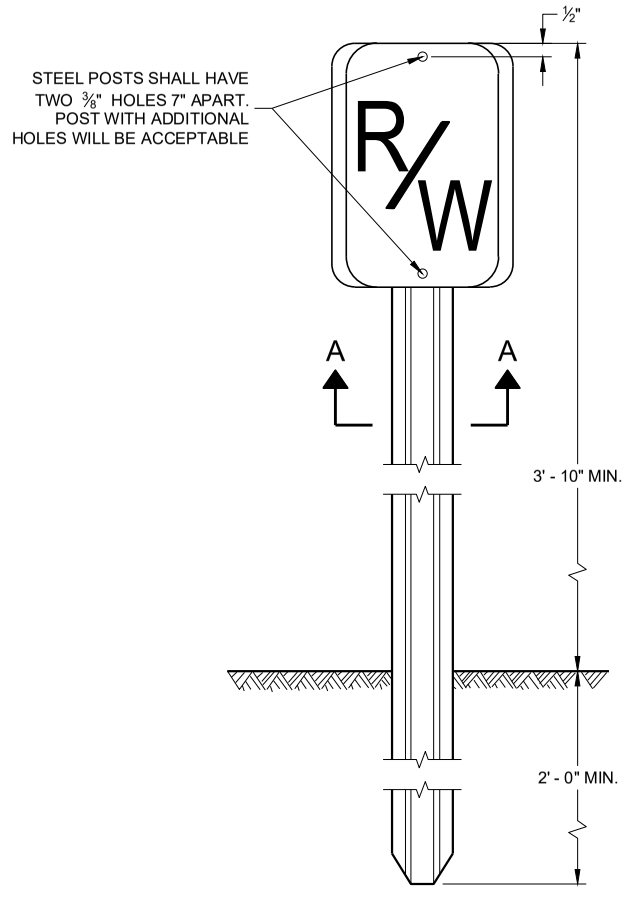
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

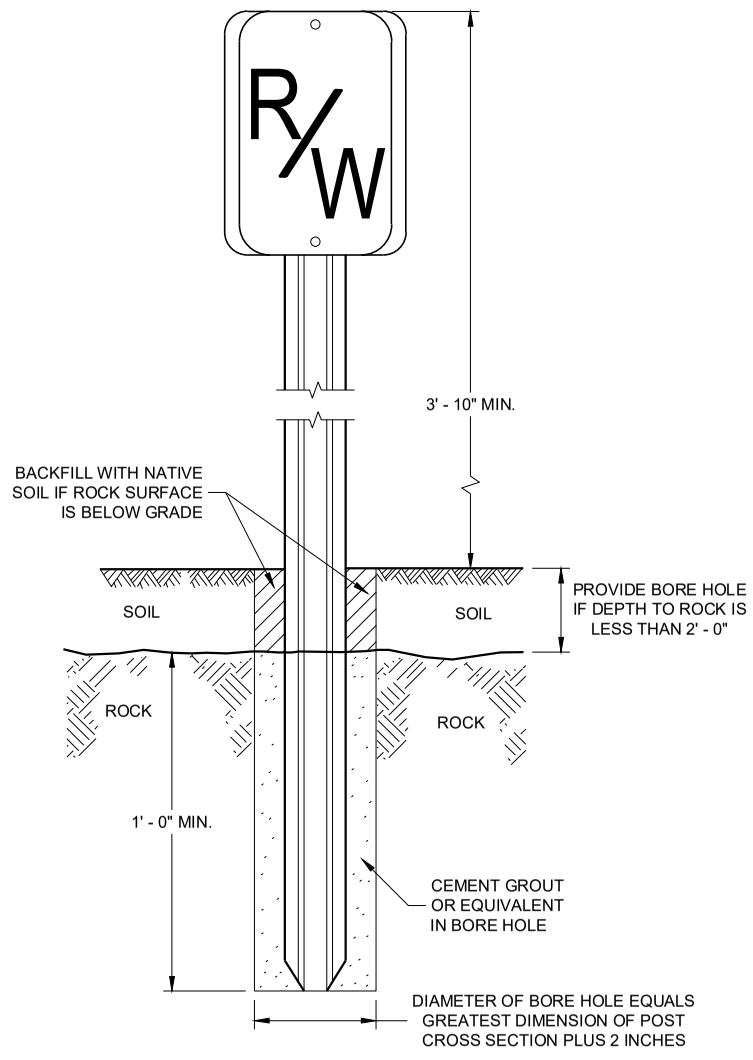
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

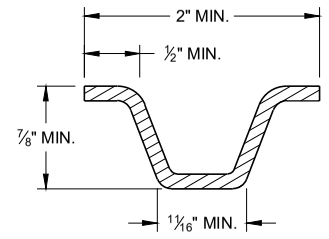
(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



FRONT VIEW
STEEL MARKER POST

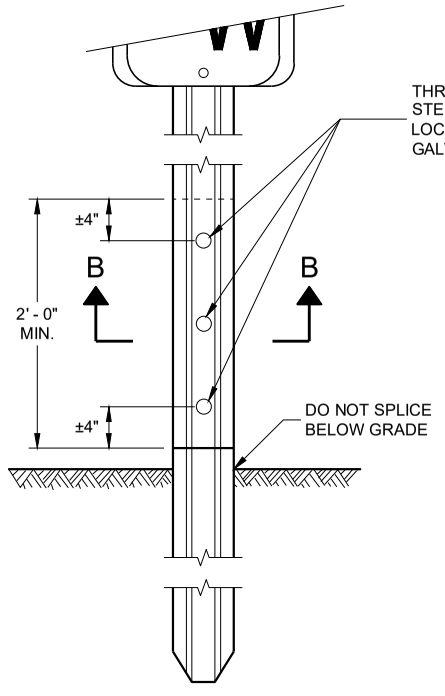


FRONT VIEW
ROCK INSTALLATION (1)

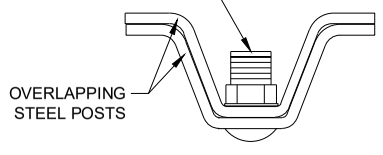


MIN. WEIGHT 1.12 LB./FT.

SECTION A - A



FRONT VIEW
SPLICE DETAIL



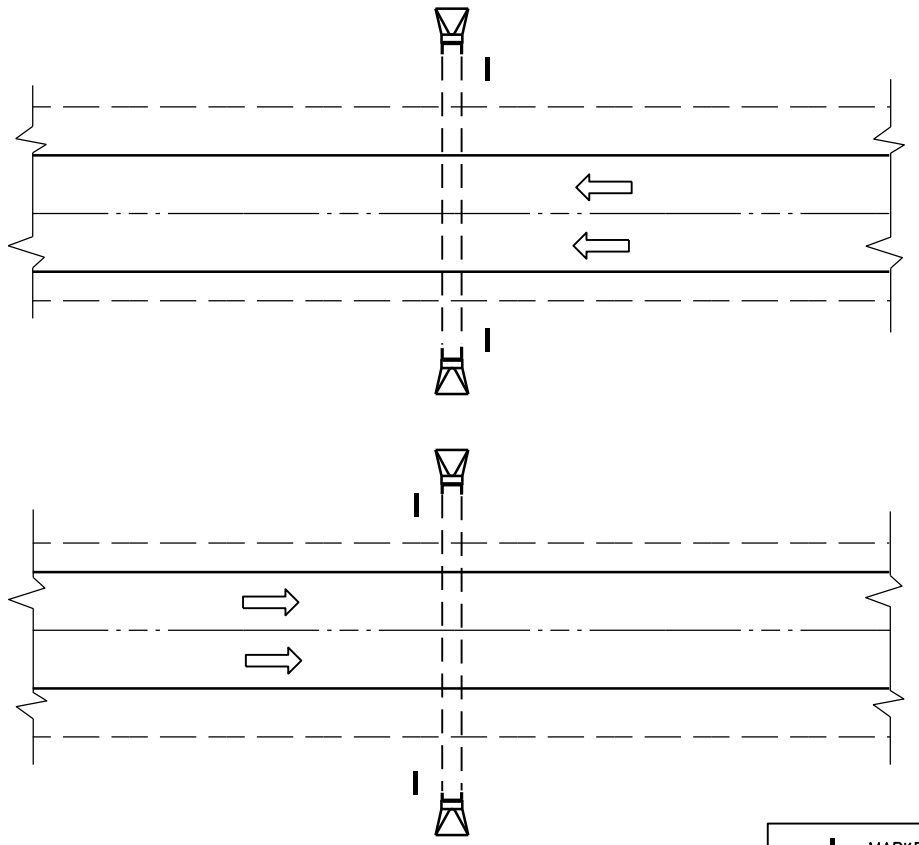
SECTION B - B

MARKER POST
FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

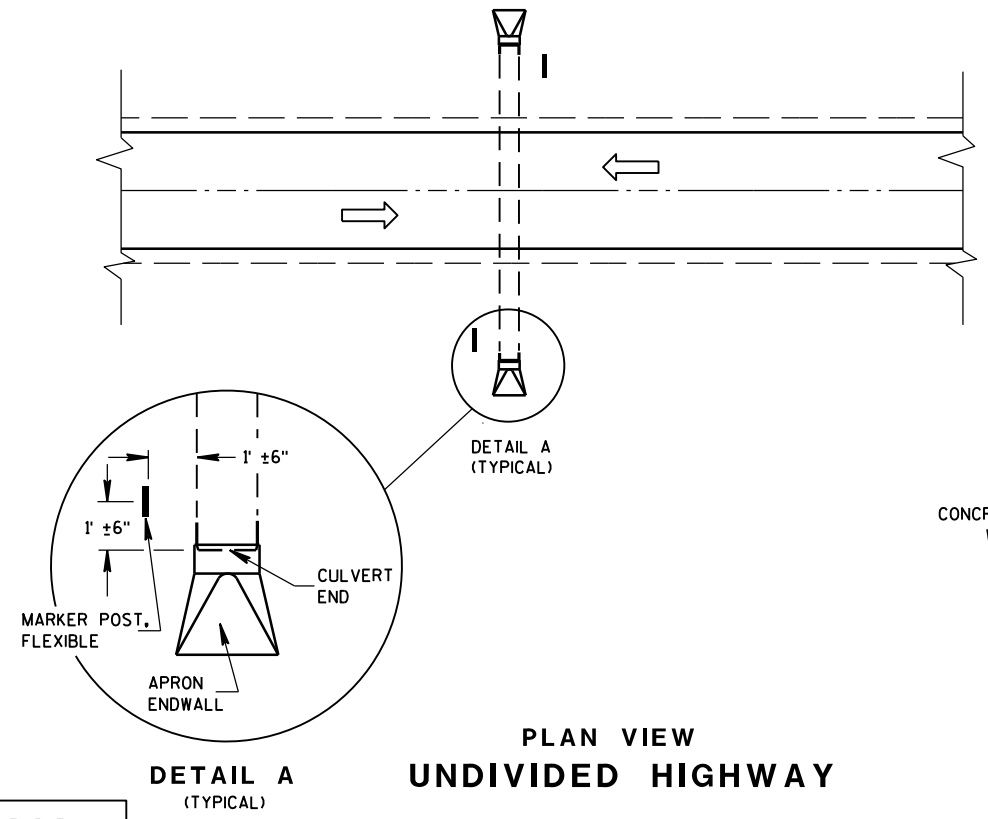
APPROVED
2/18/2016
DATE
/S/ Ray Kumapayi
CHIEF SURVEYING AND MA
ENGINEER
FHWA

6
SDD 15A01 - 13a



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

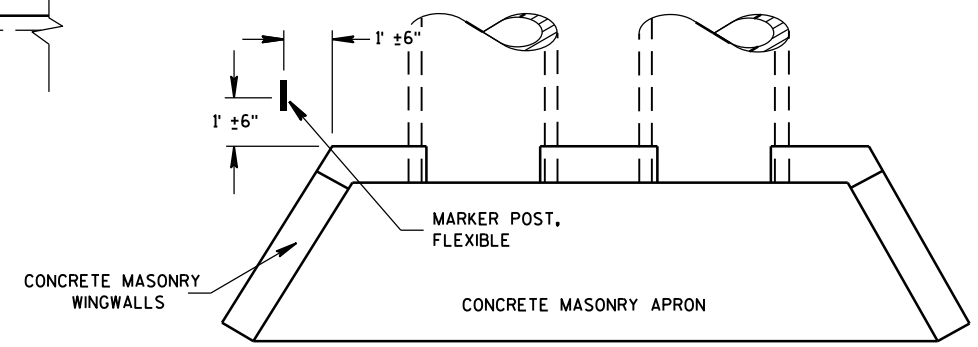
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

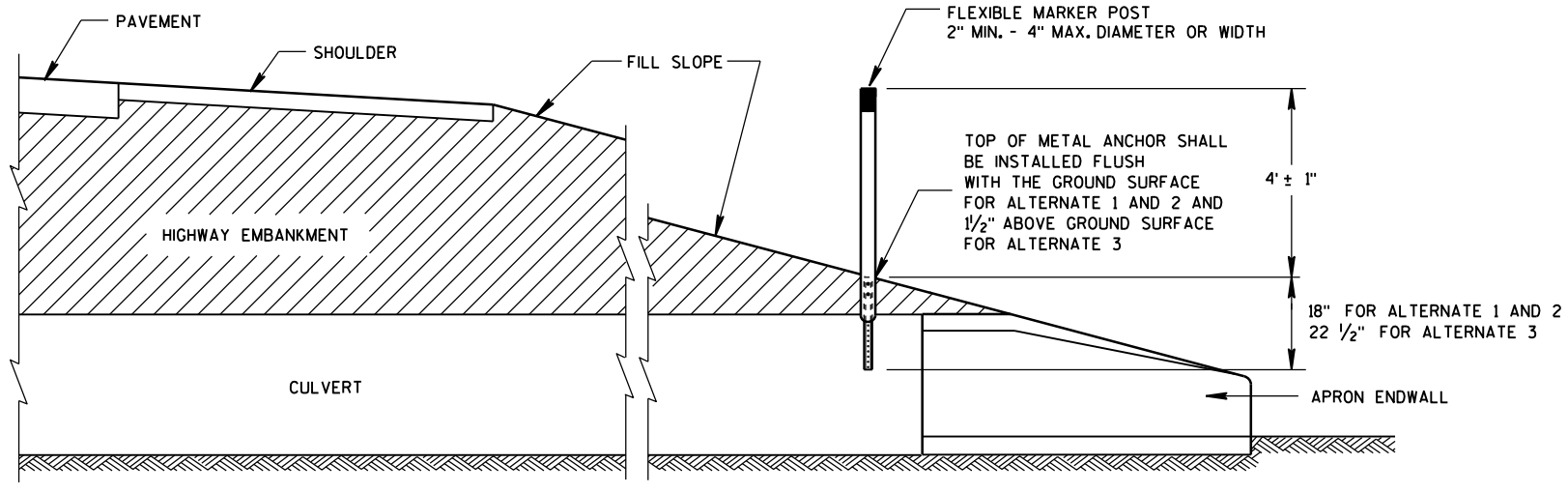
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

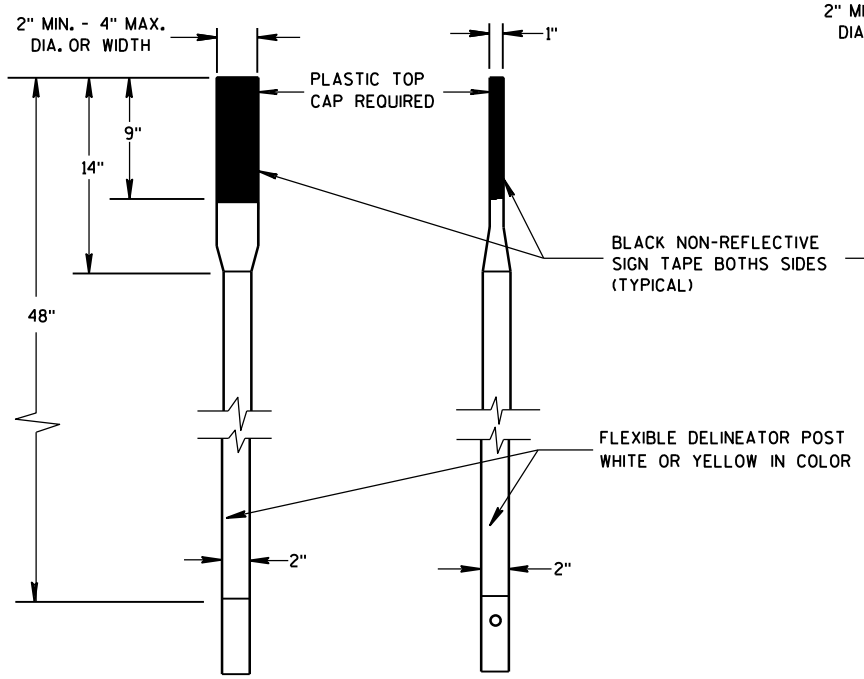
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

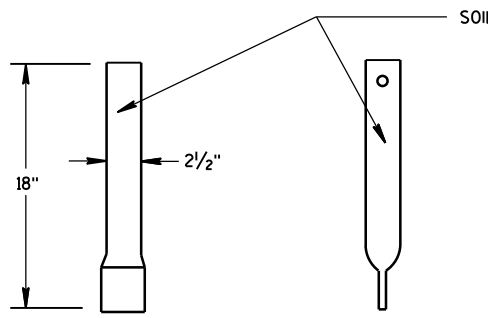
6

S.D.D. 15 A 3-2a

6

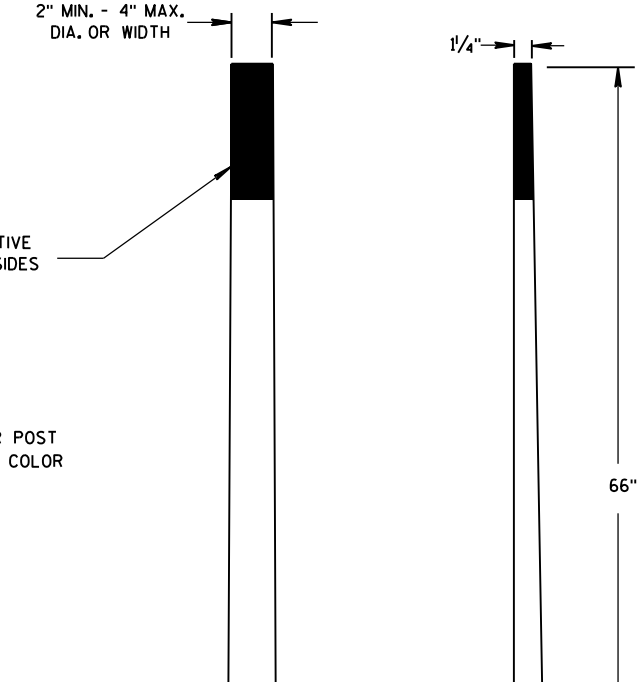
S.D.D. 15 A 3-2a





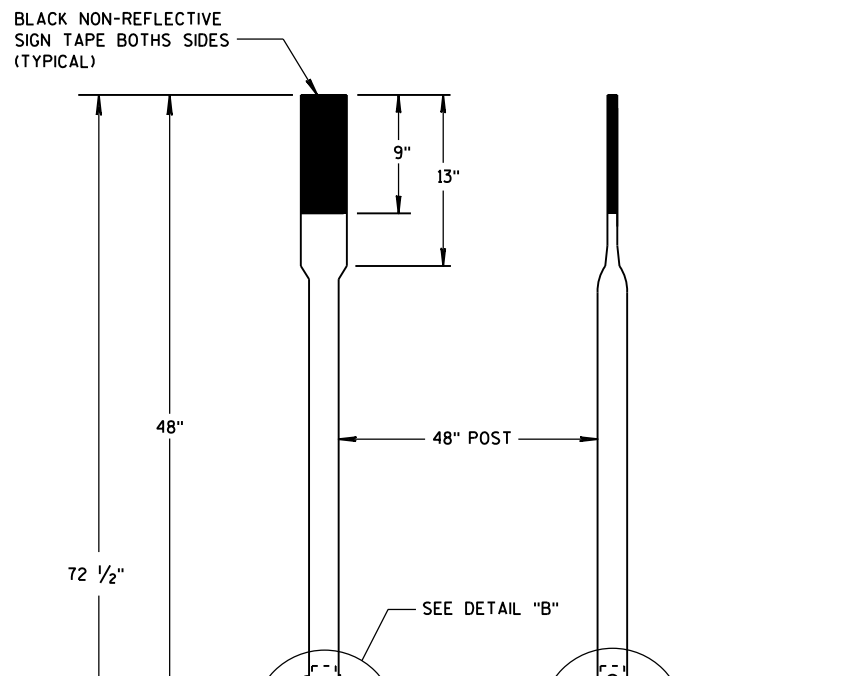
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

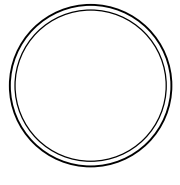
ALTERNATE 2



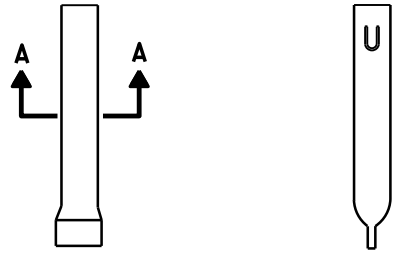
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

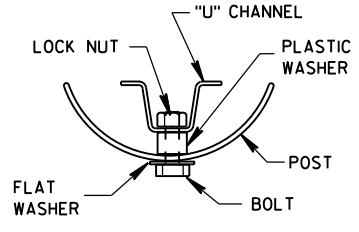


SECTION A-A

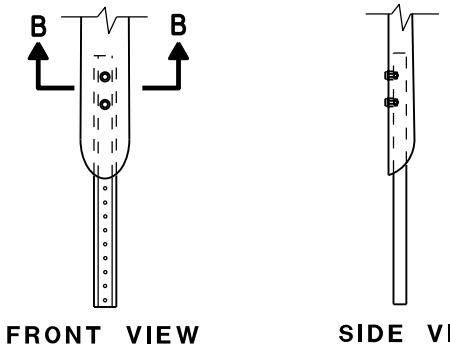


FRONT VIEW SIDE VIEW

ALTERNATE 1

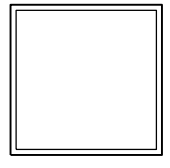


SECTION B-B

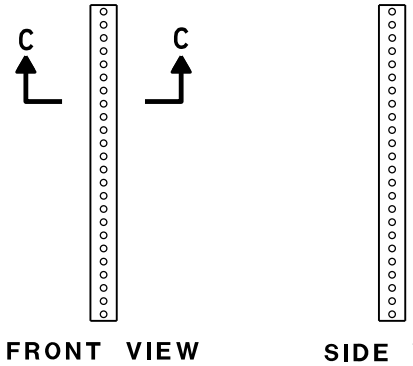


FRONT VIEW SIDE VIEW

ALTERNATE 2



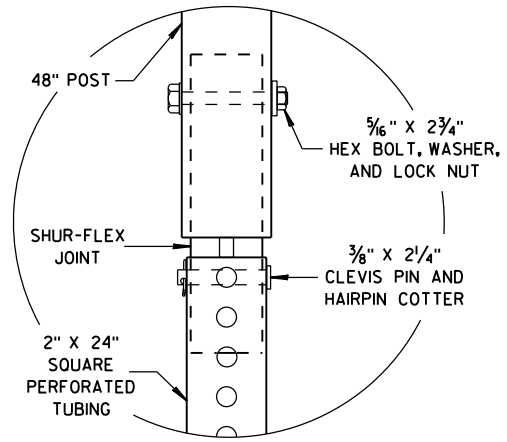
SECTION C-C



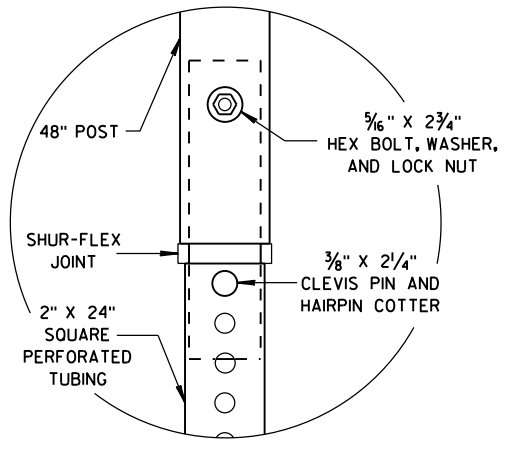
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

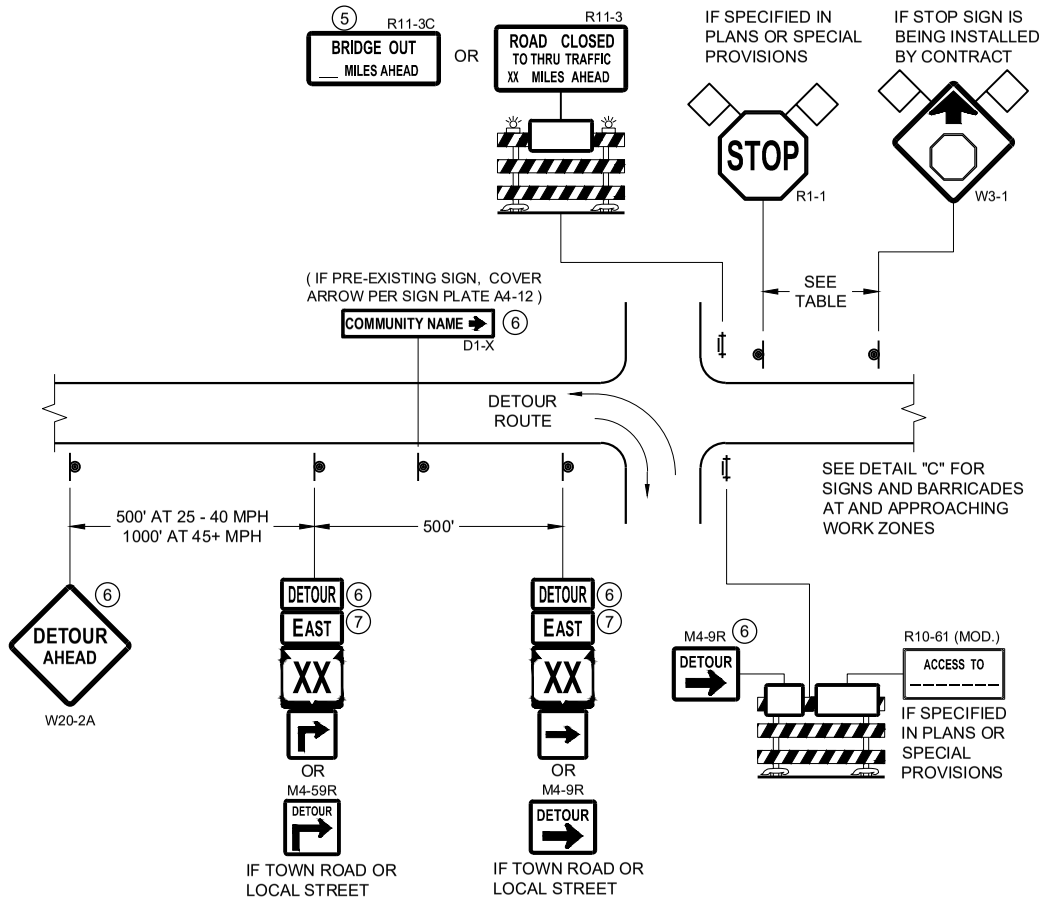
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

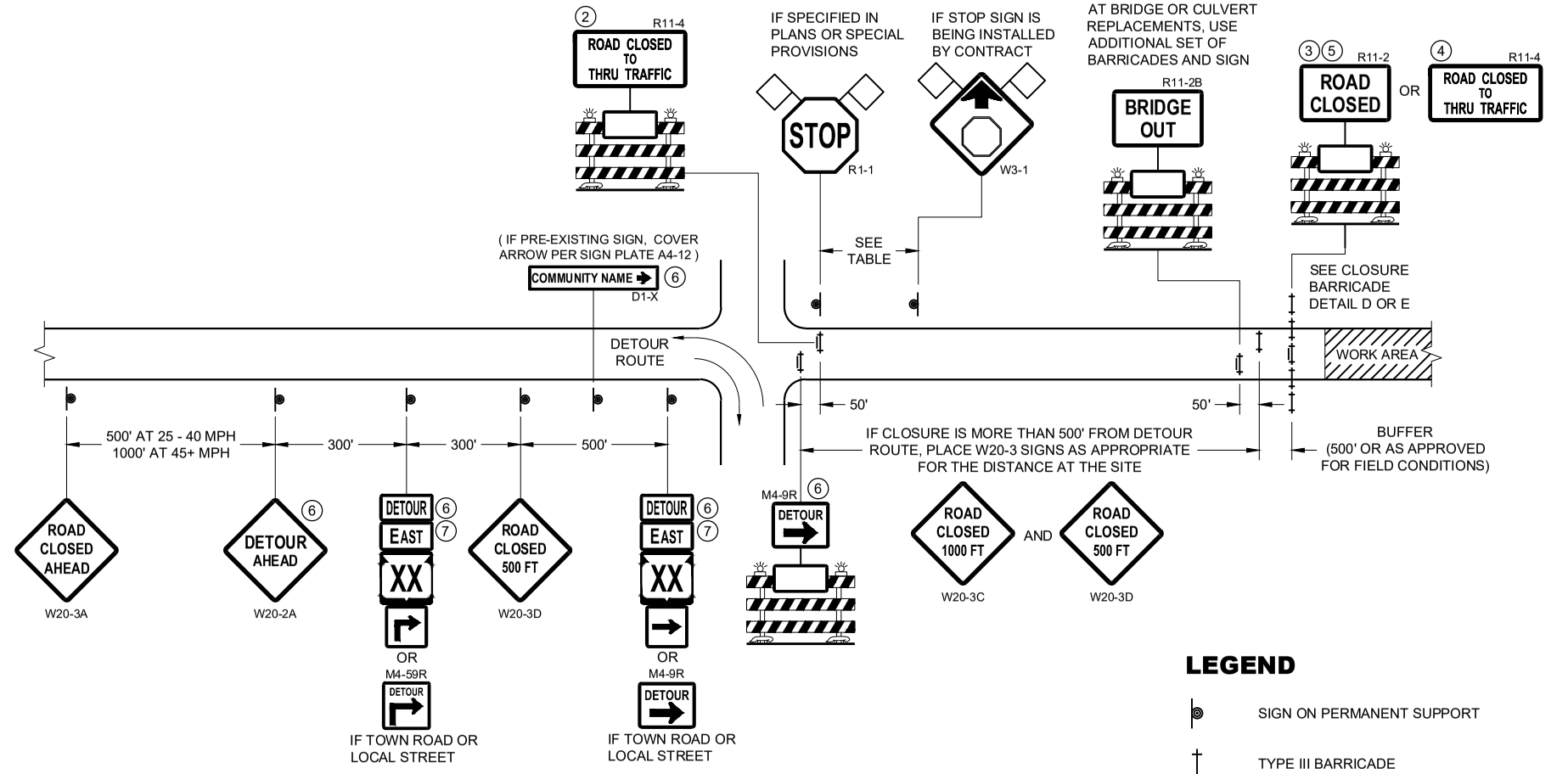
6

S.D.D. 15 A 3-2b



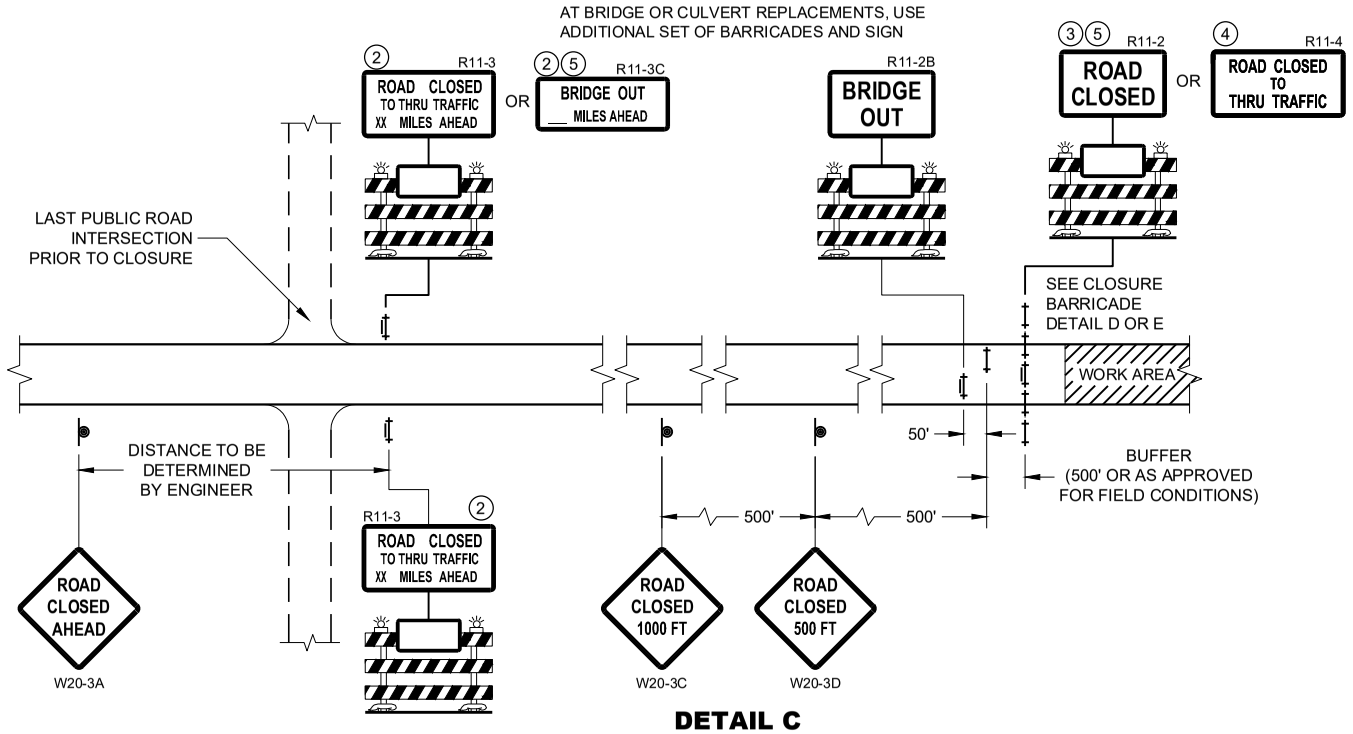
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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)



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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

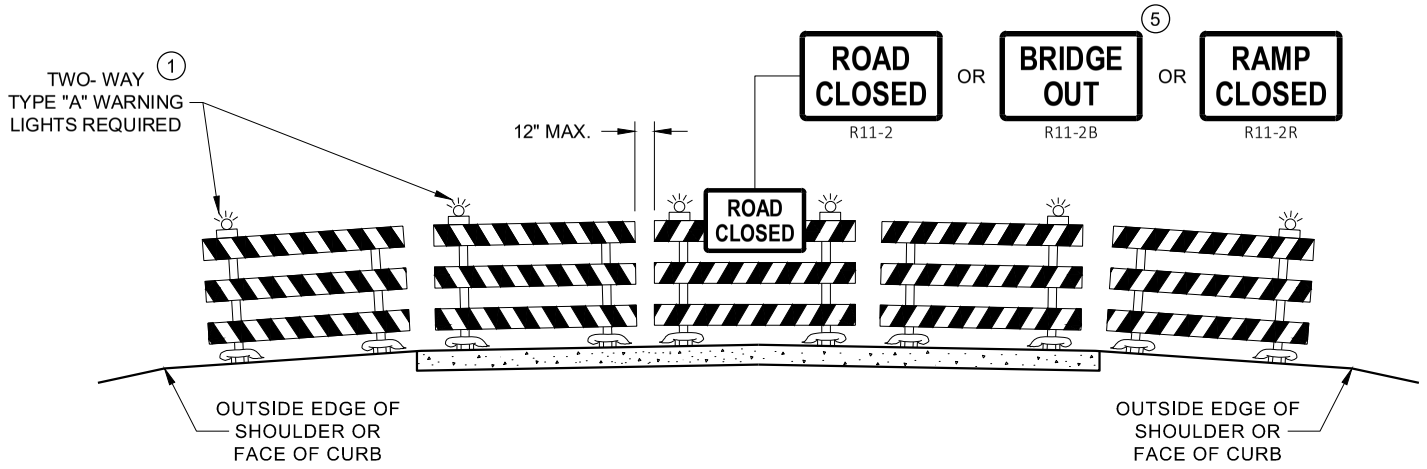
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

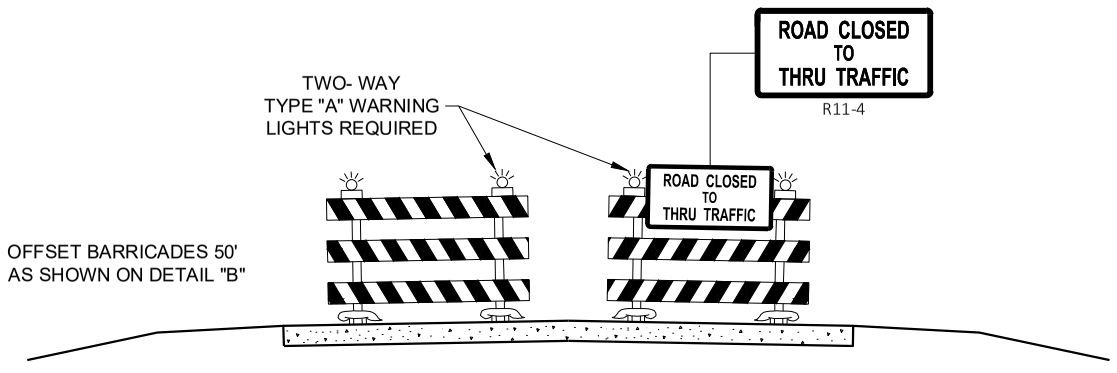
6

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

6

SDD 15C02 - 08b

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.

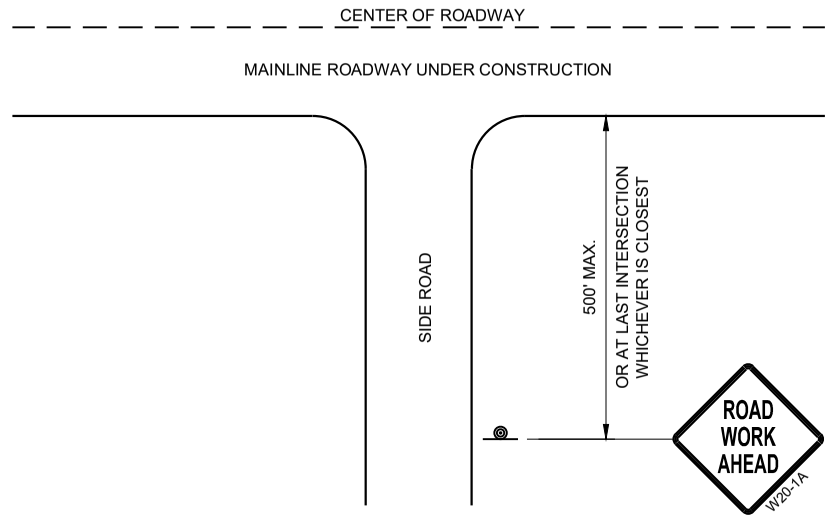
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



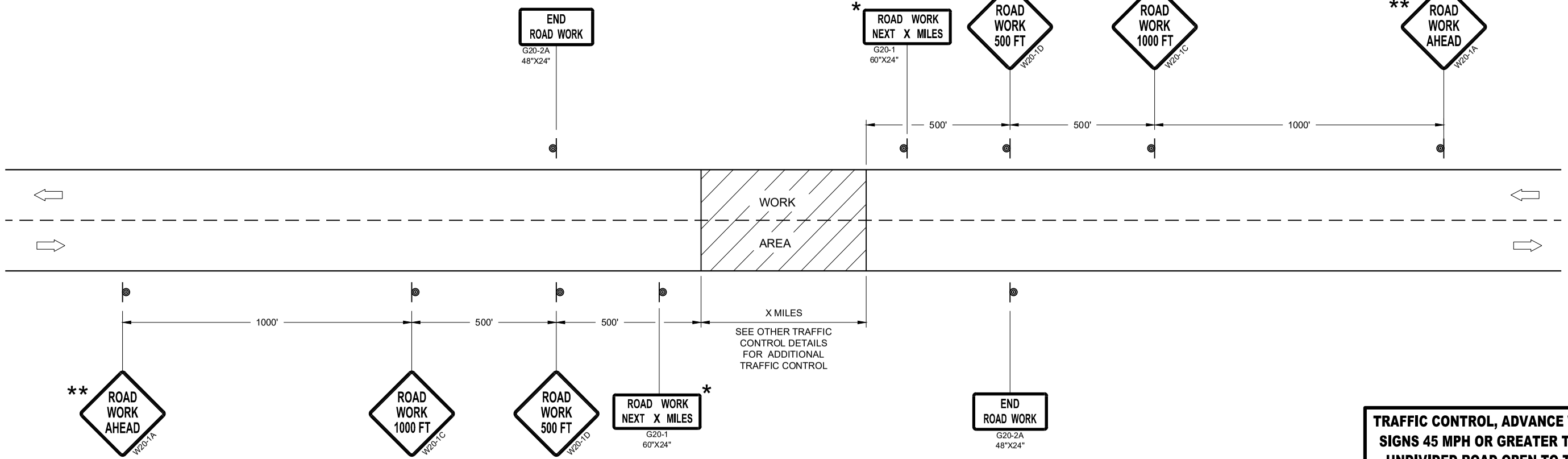
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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 TRAFFIC

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.

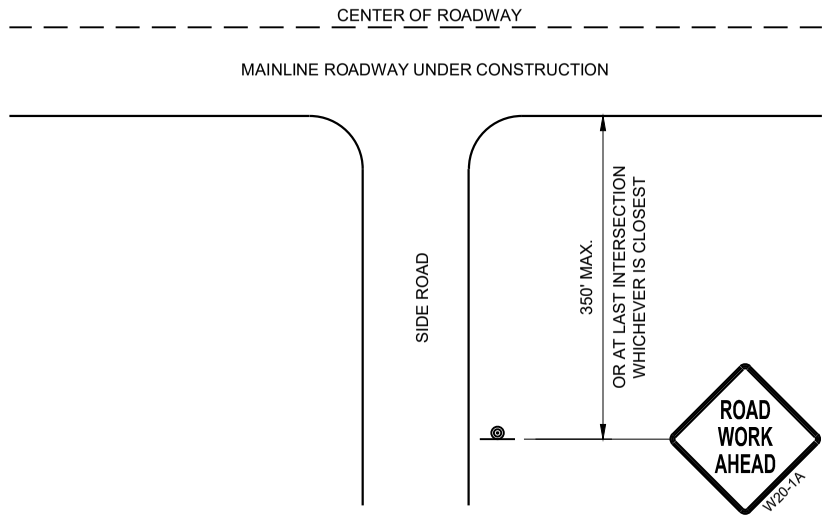
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



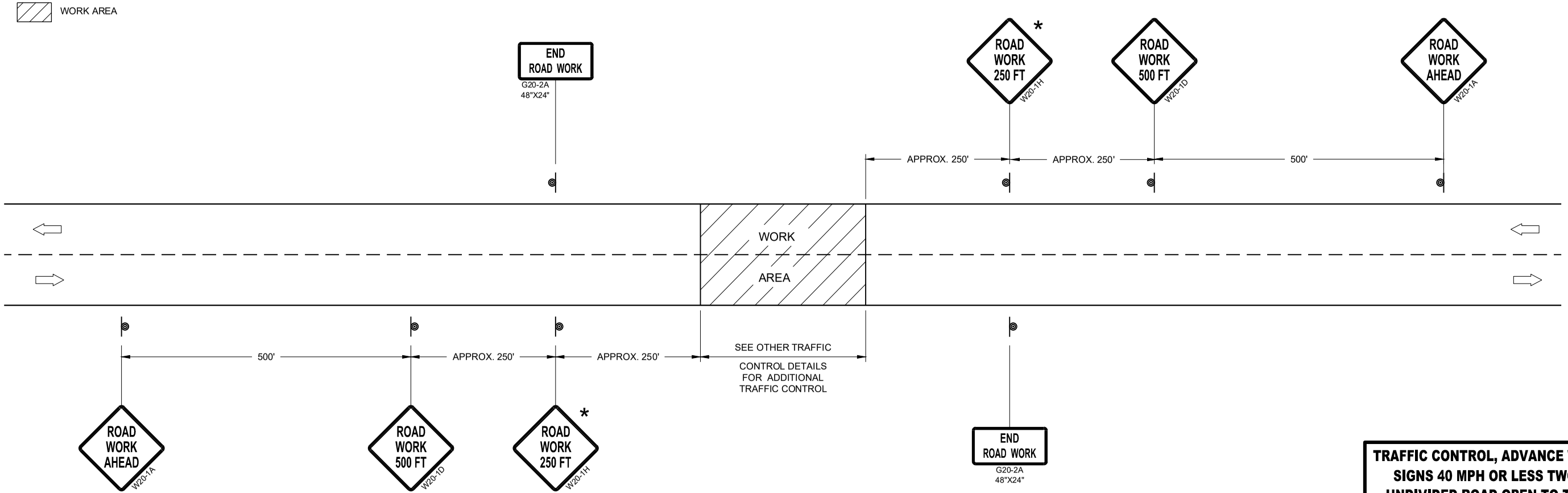
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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 TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

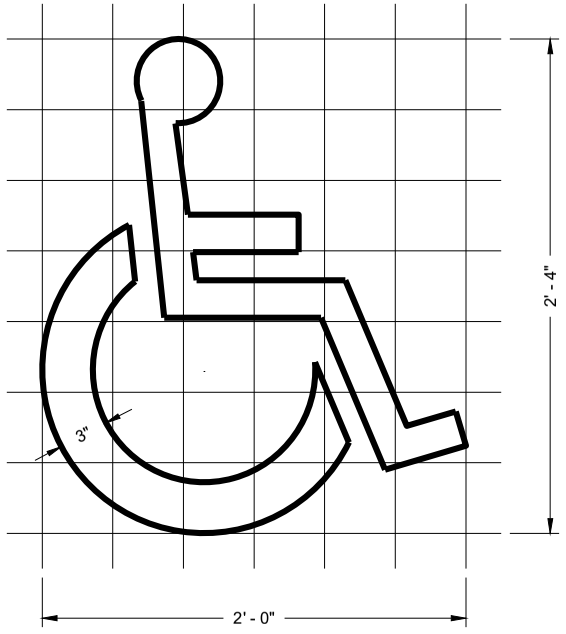
FHWA

6

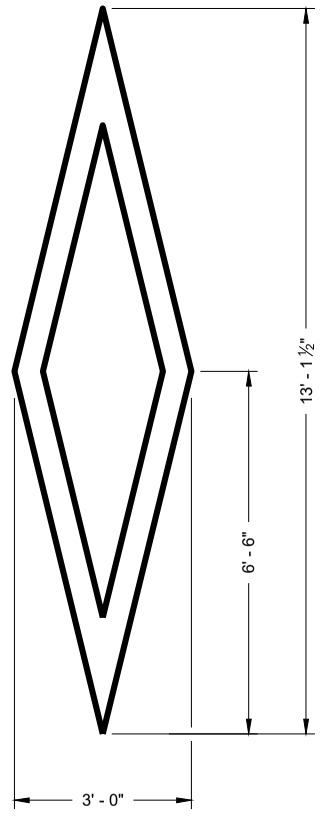
SDD 15C05 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

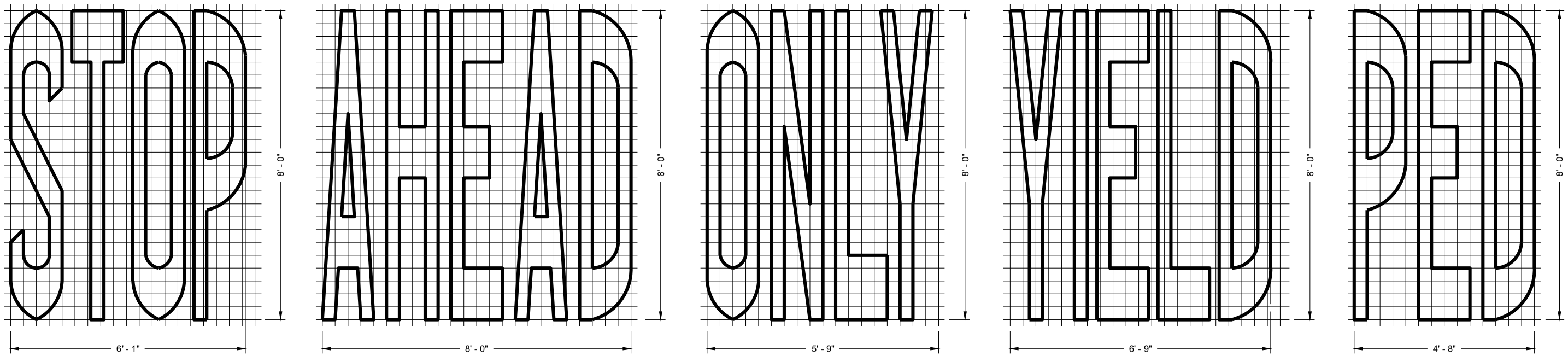
PAVEMENT MARKING SYMBOLS

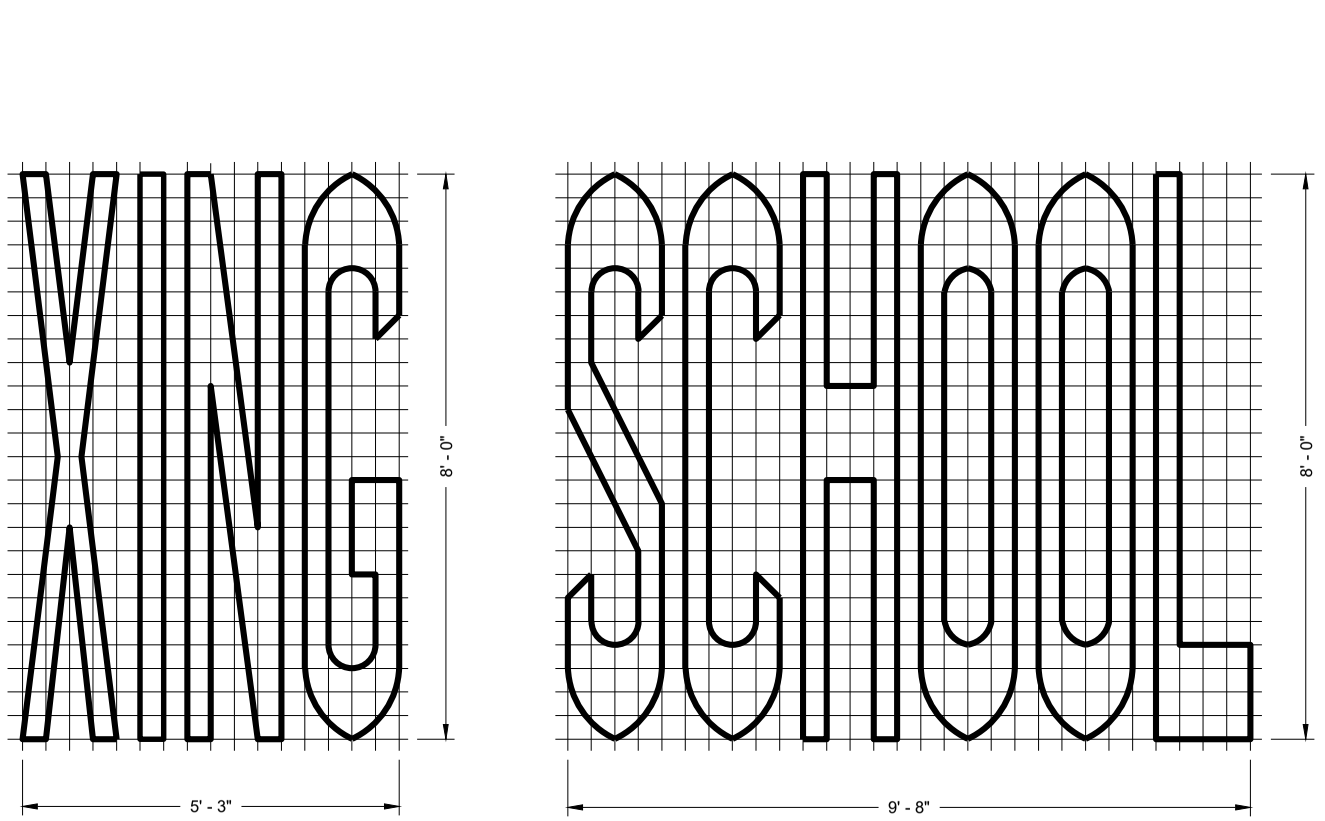
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

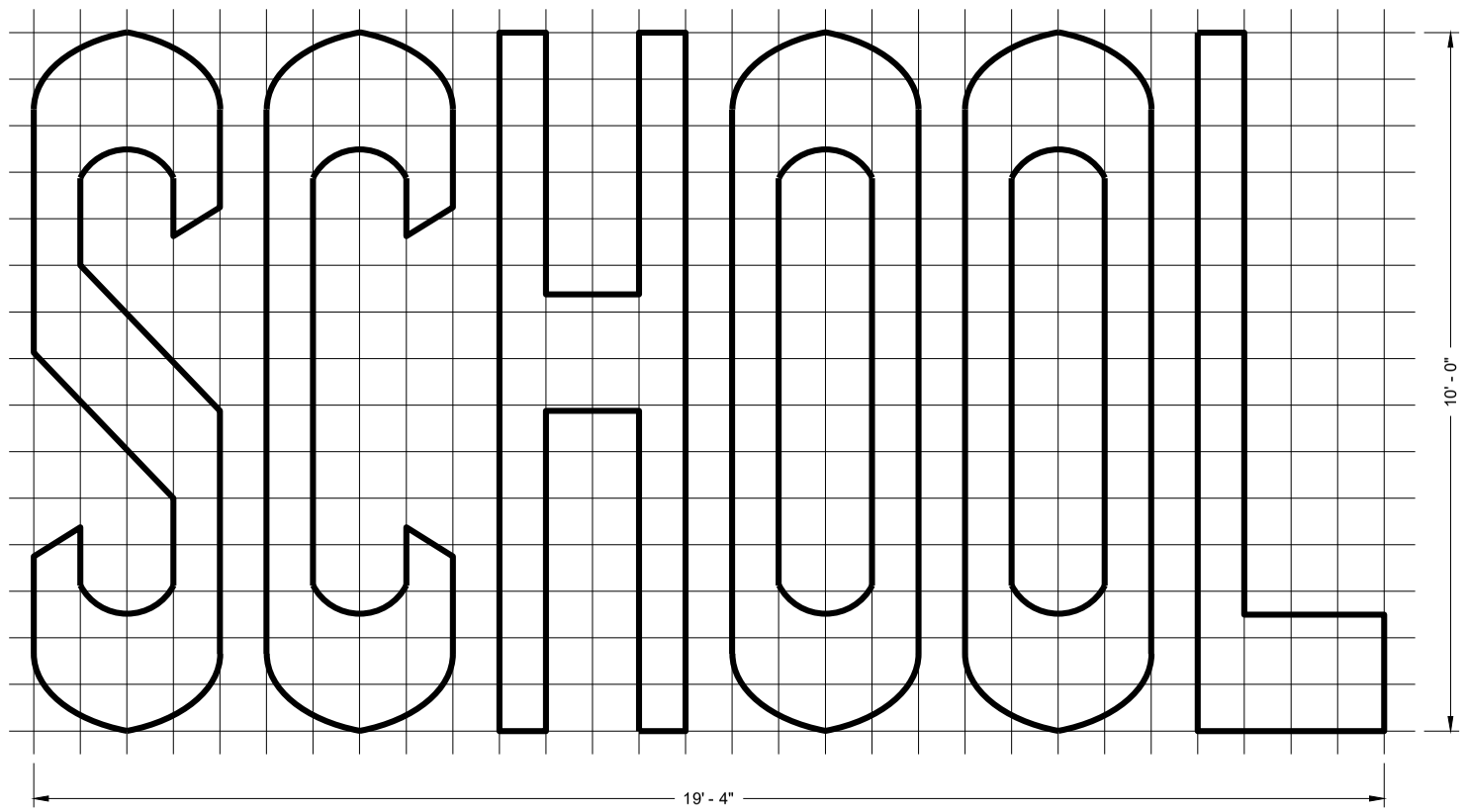
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





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

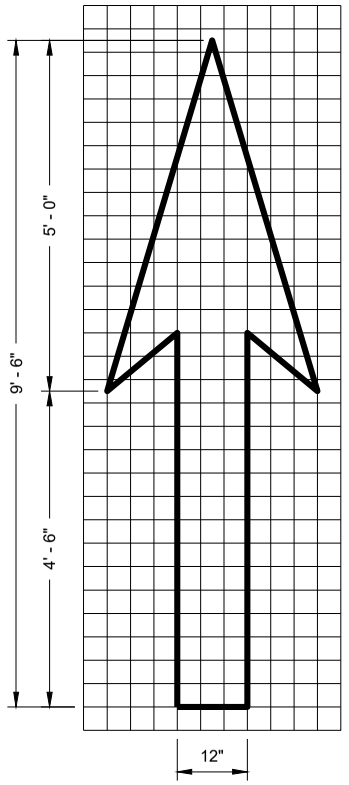
6

SDD 15C07 - 15b

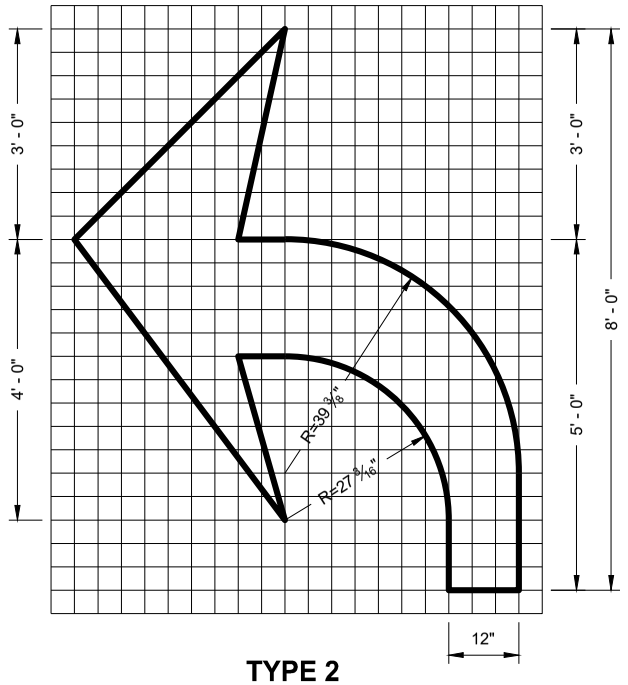
SDD 15C07 - 15b

GENERAL NOTES

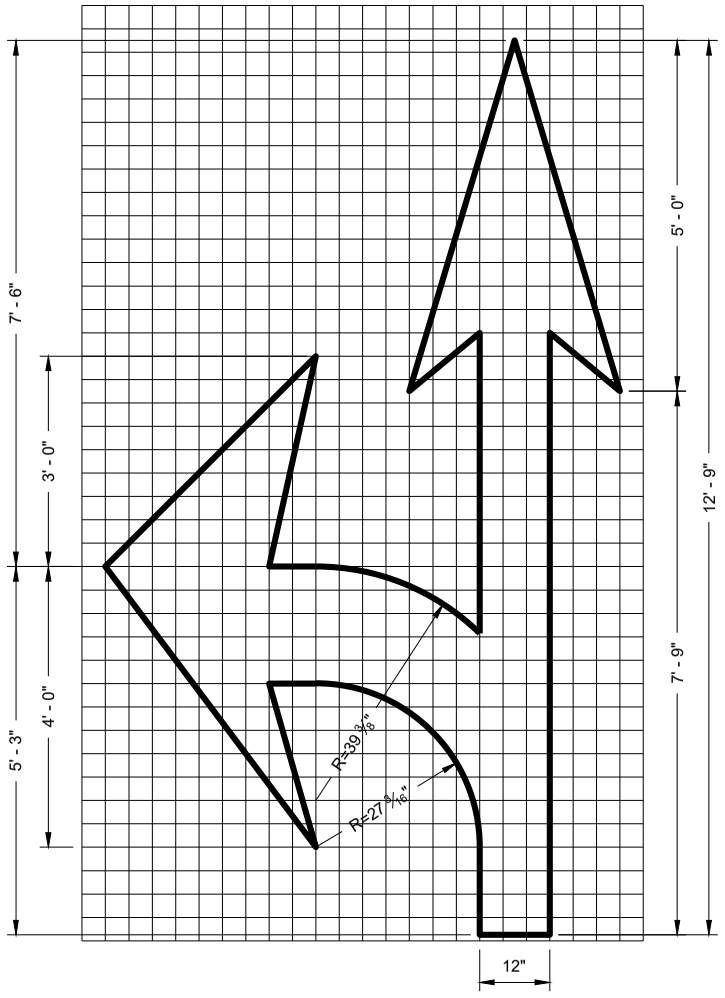
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



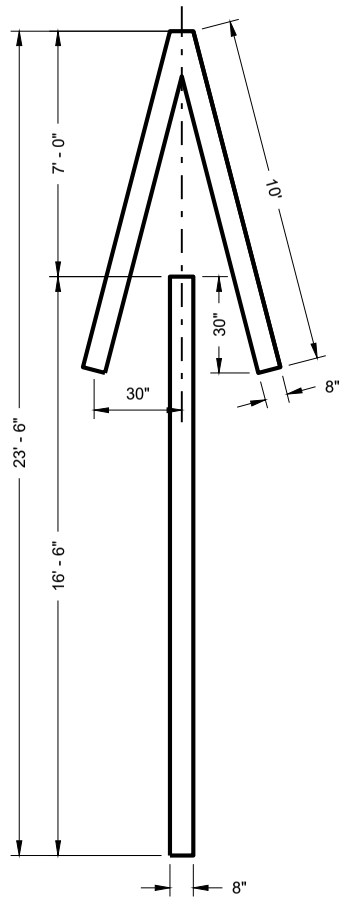
TYPE 1



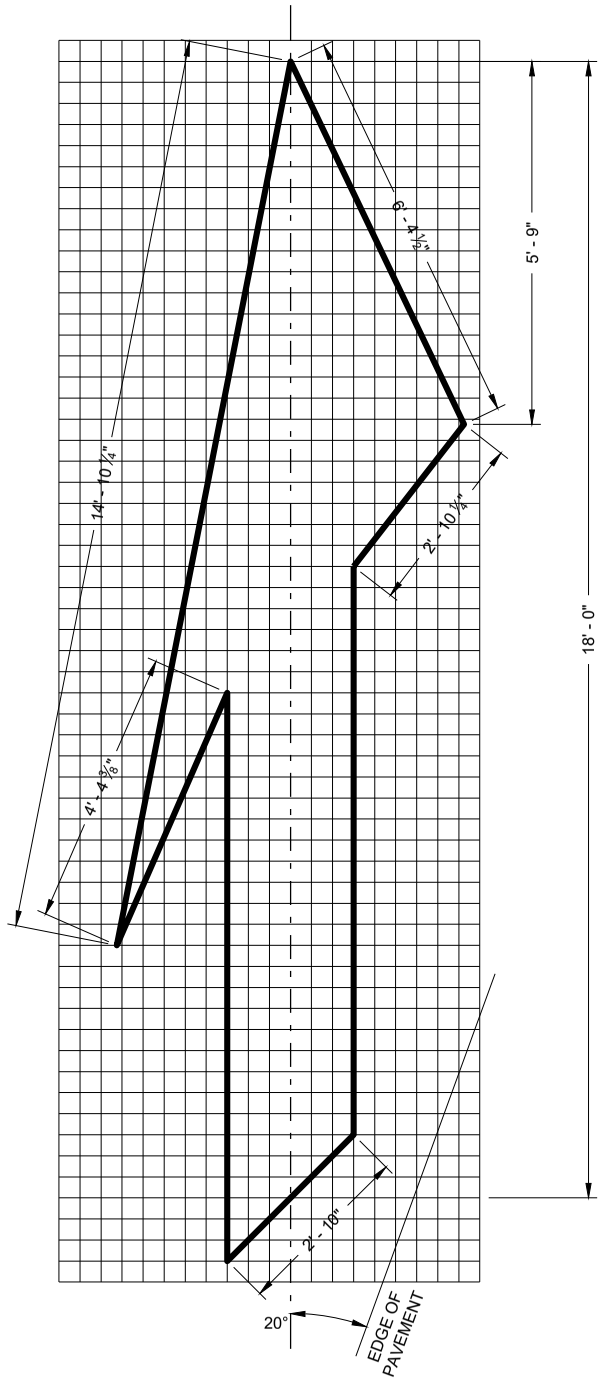
TYPE 2



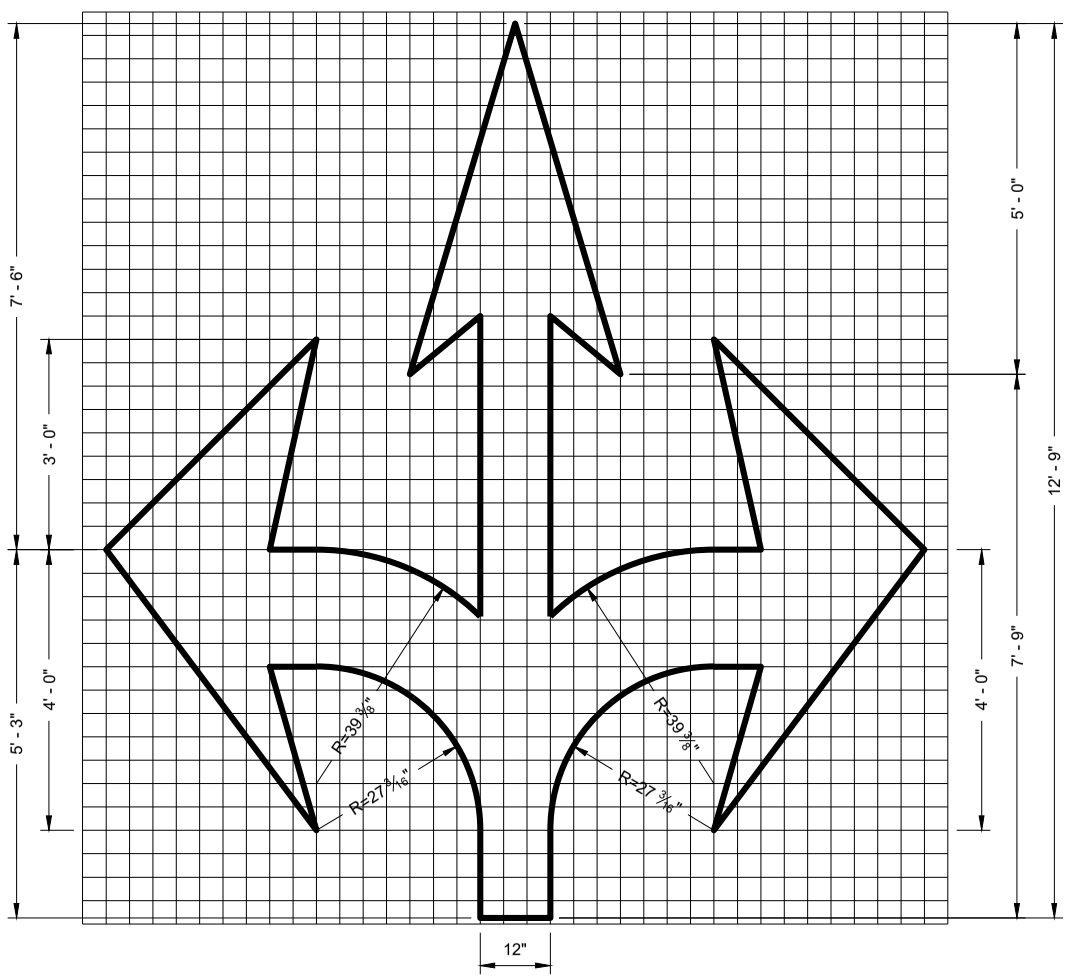
TYPE 3



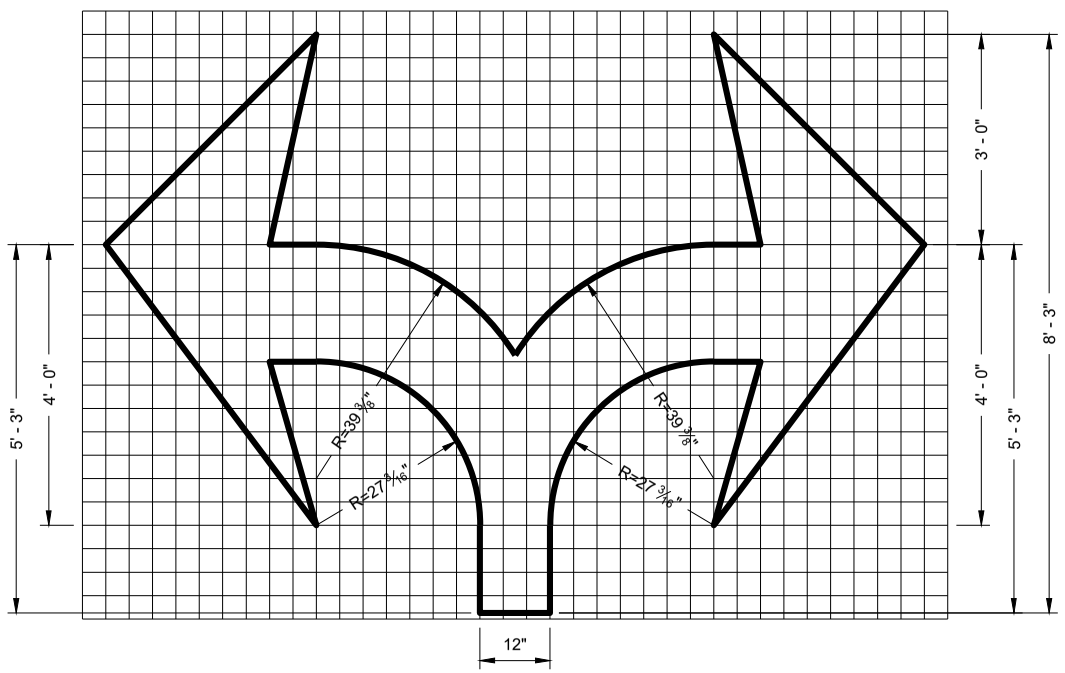
TYPE 4



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 MARKING ENGINEER

FHWA

250

6

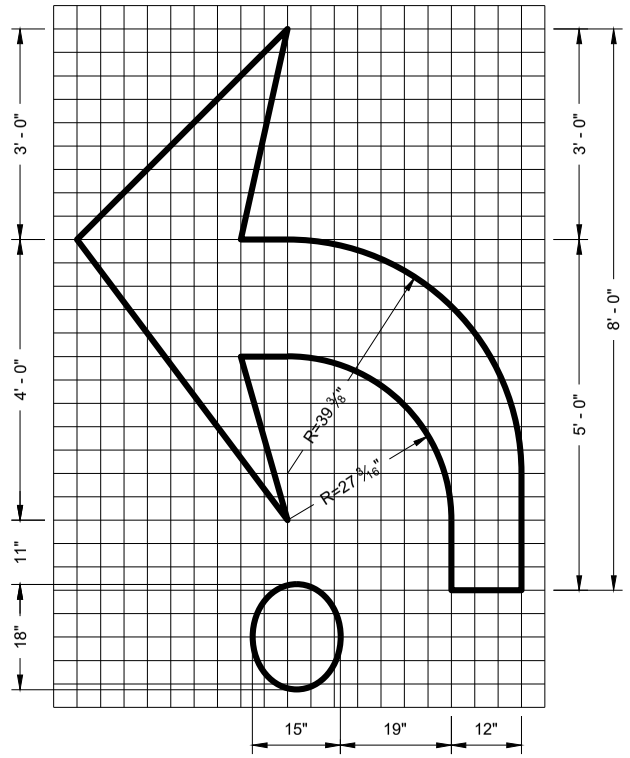
SDD 15C07 - 15c

6

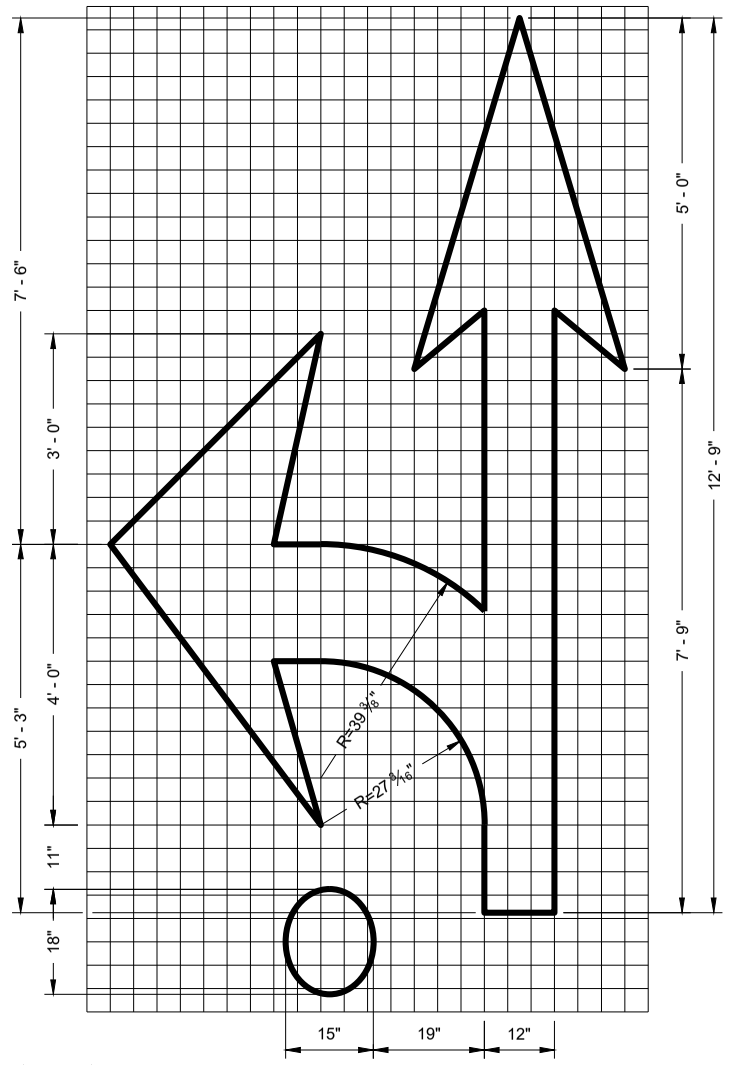
SDD 15C07 - 15c

GENERAL NOTES

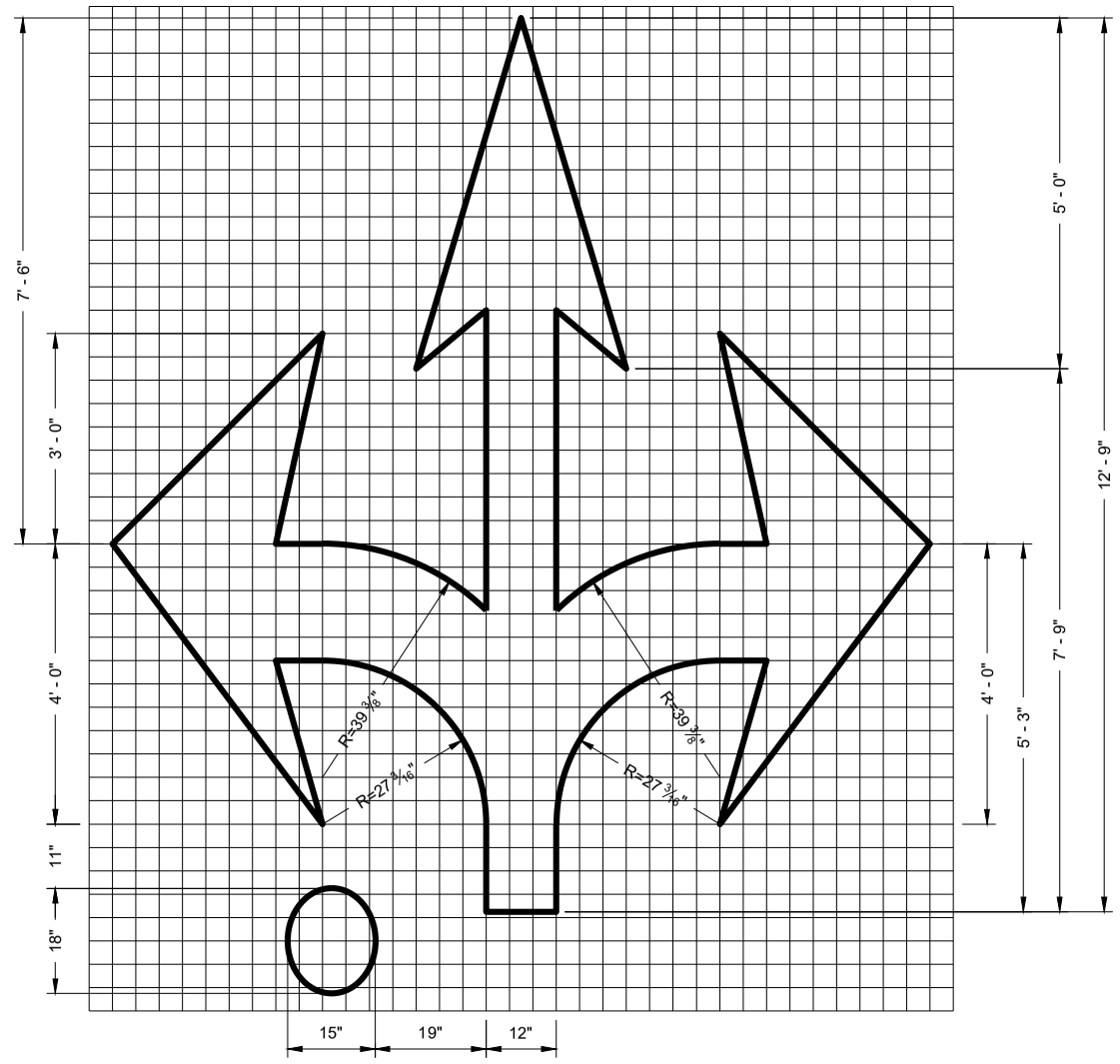
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



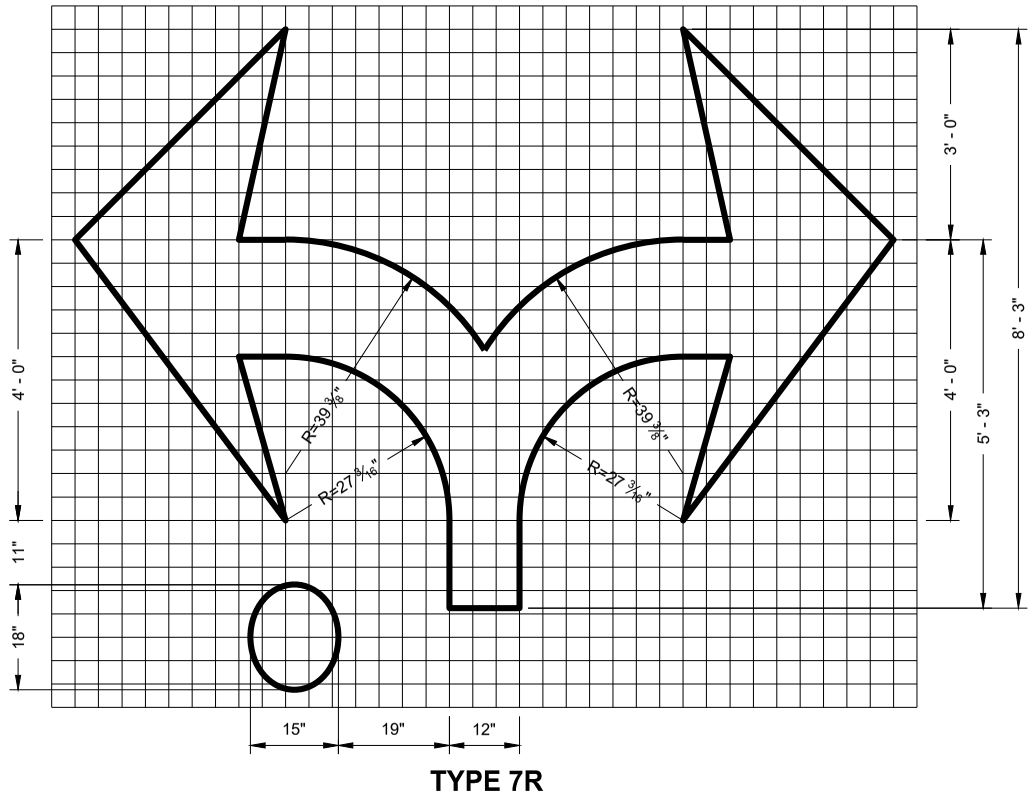
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

SDD 15C07 - 15d

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

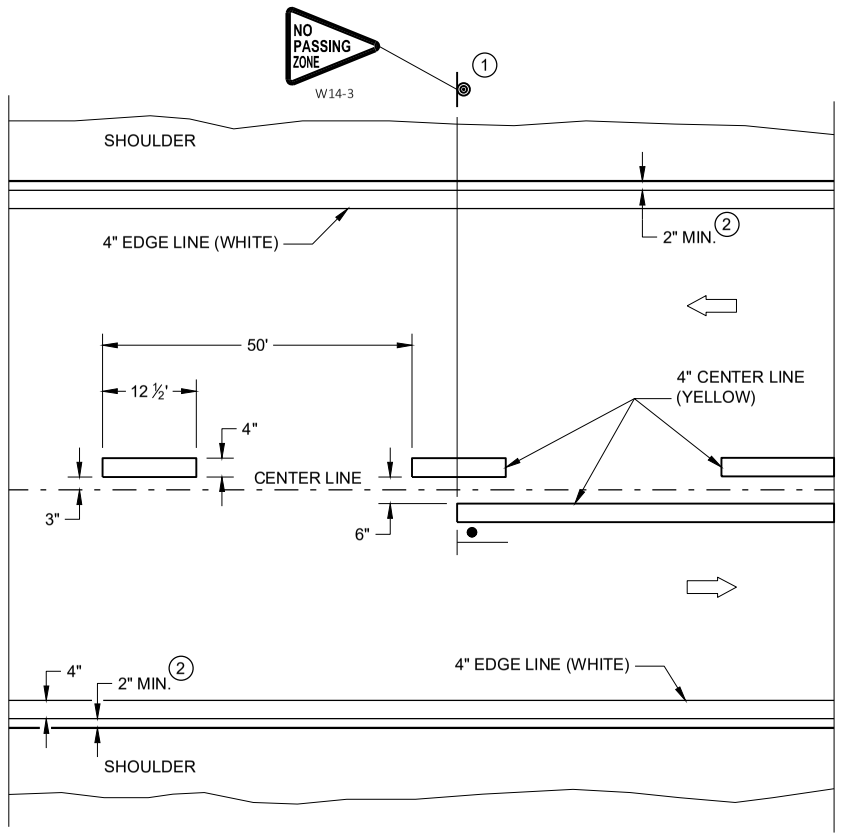
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

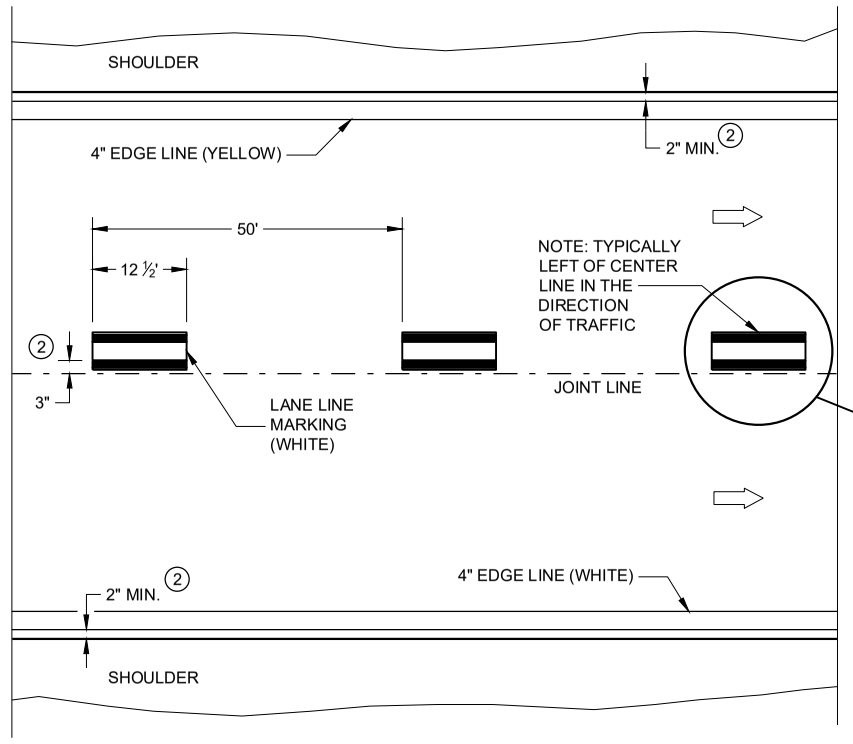
"T" MARKING

SIGN ON PERMANENT SUPPORT

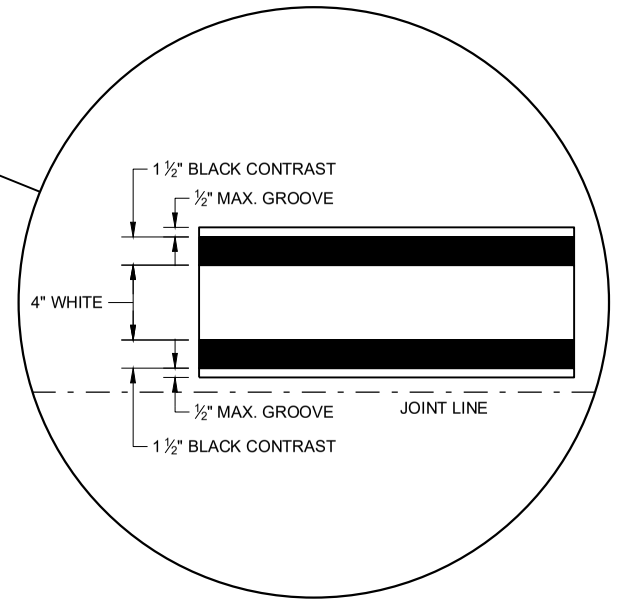
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

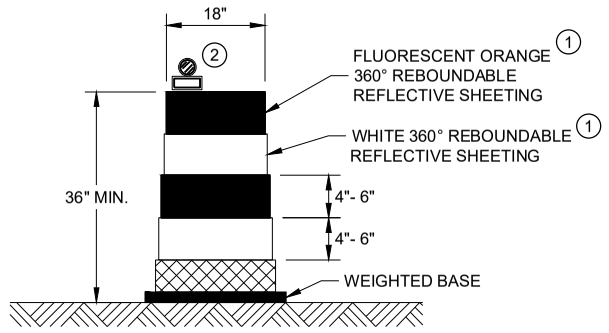
SDD 15C08 - 21a

SDD 15C08 - 21a

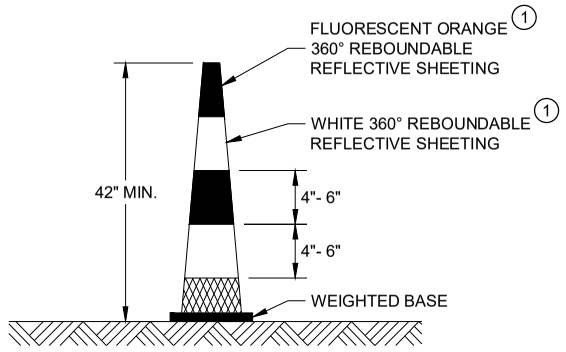
GENERAL NOTES

(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.

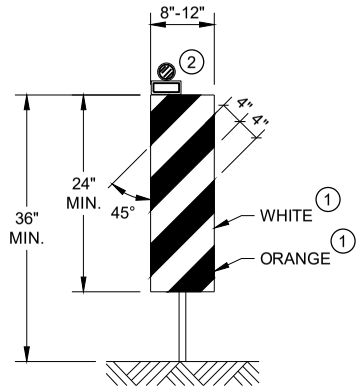


DRUM



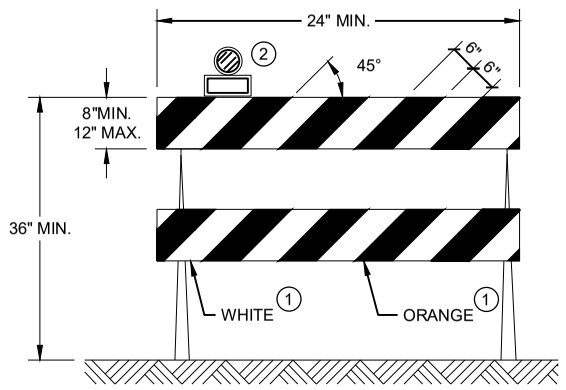
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



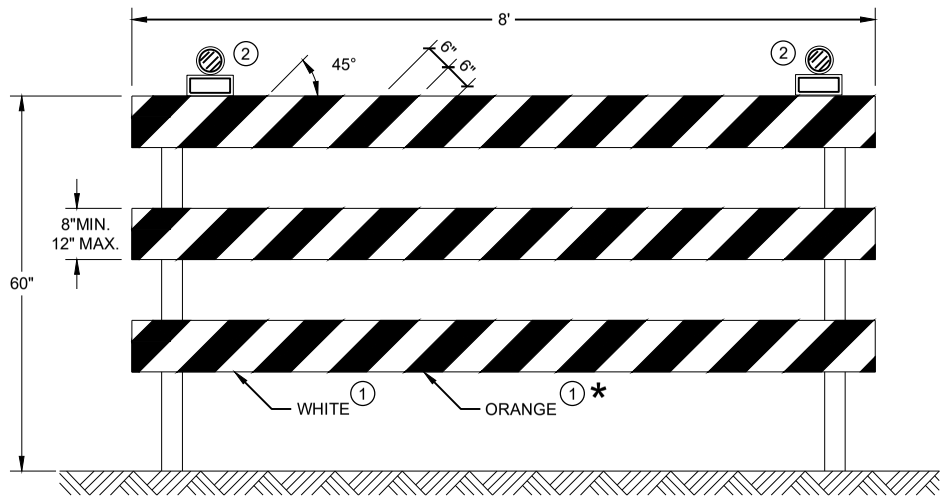
VERTICAL PANEL

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
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 09b

6

SDD 15C11 - 09b

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

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.

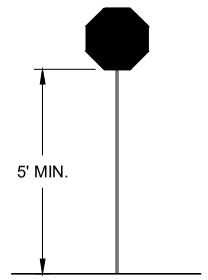
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM 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.



STOP/SLOW PADDLE ON SUPPORT STAFF

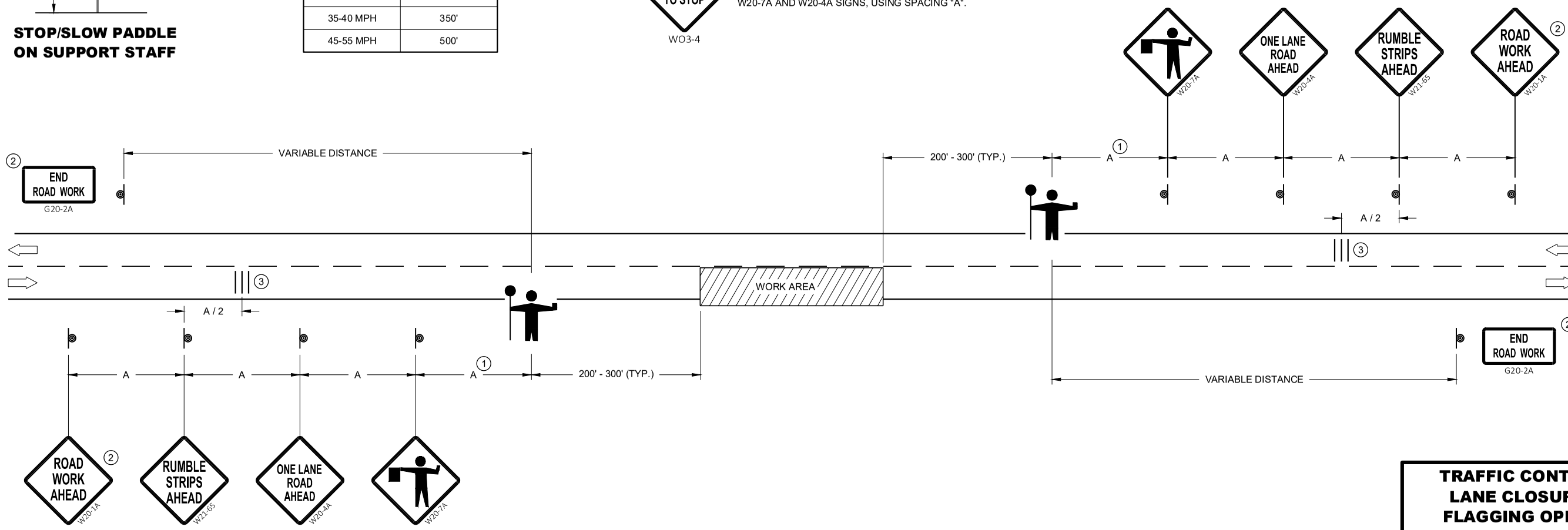
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

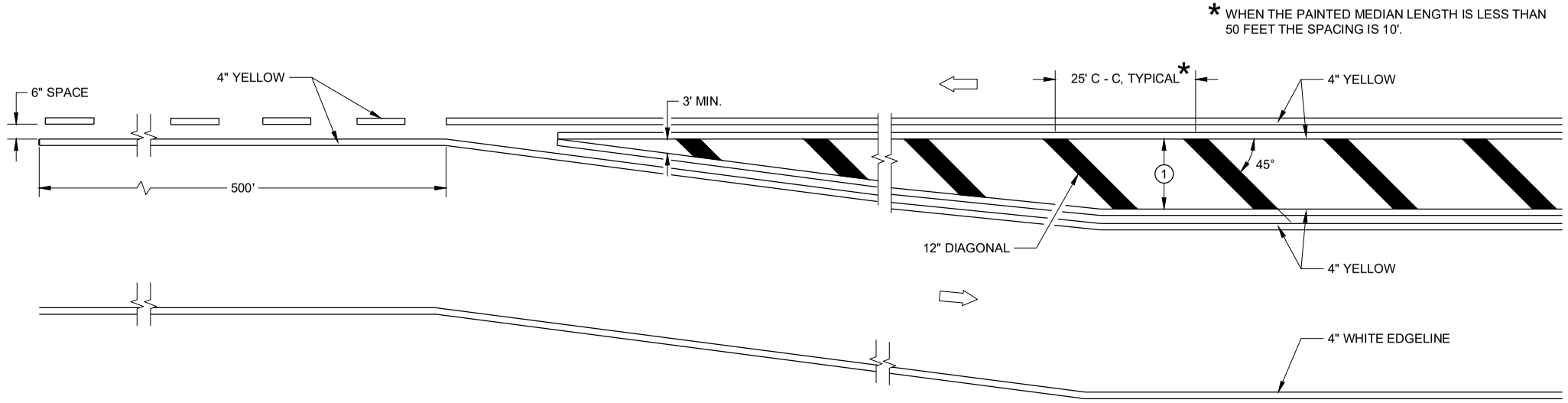
FHWA

6

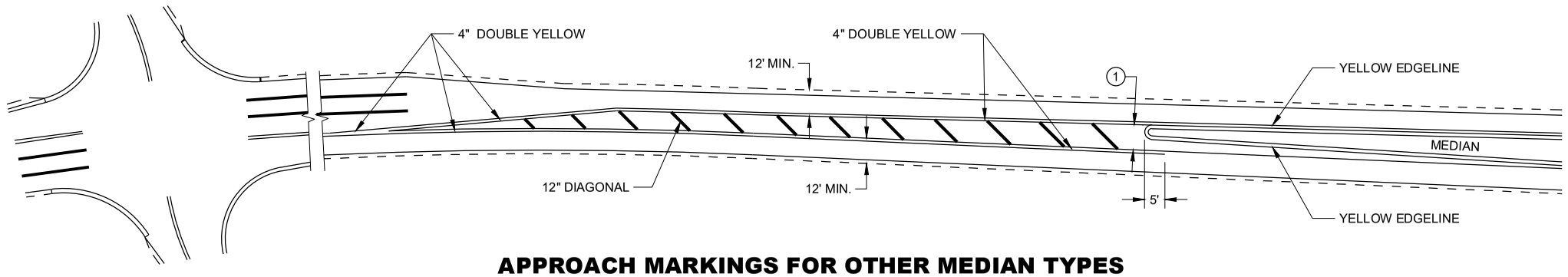
SDD 15C12 - 09a

6

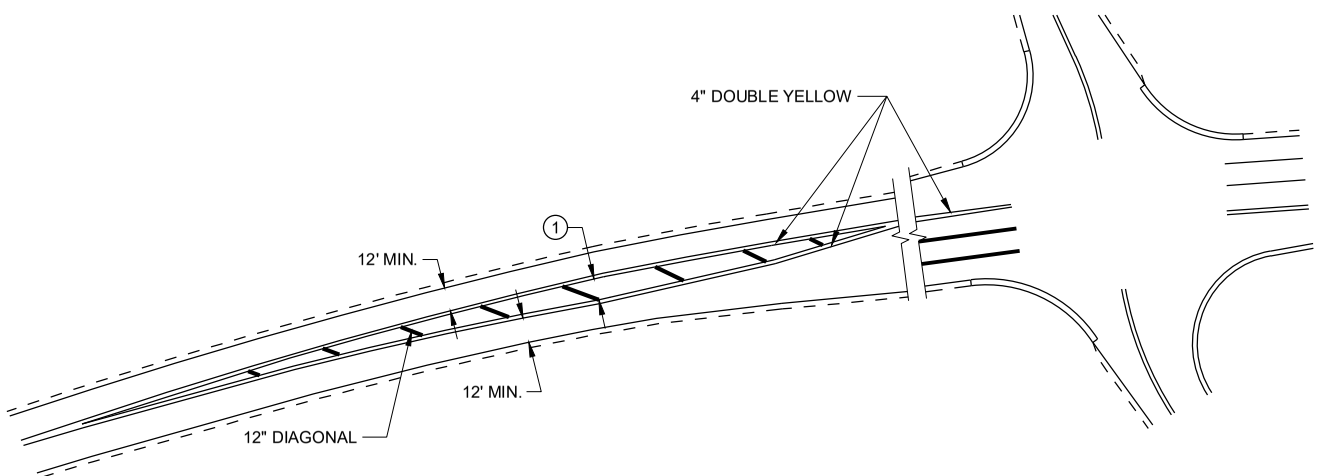
SDD 15C12 - 09a



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

⇨ DIRECTION OF TRAVEL

6

SDD 15C18 - 06a

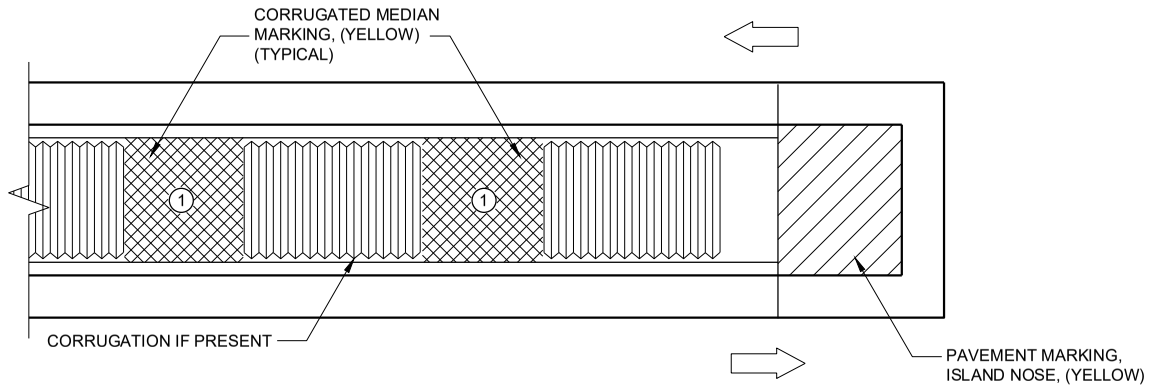
MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

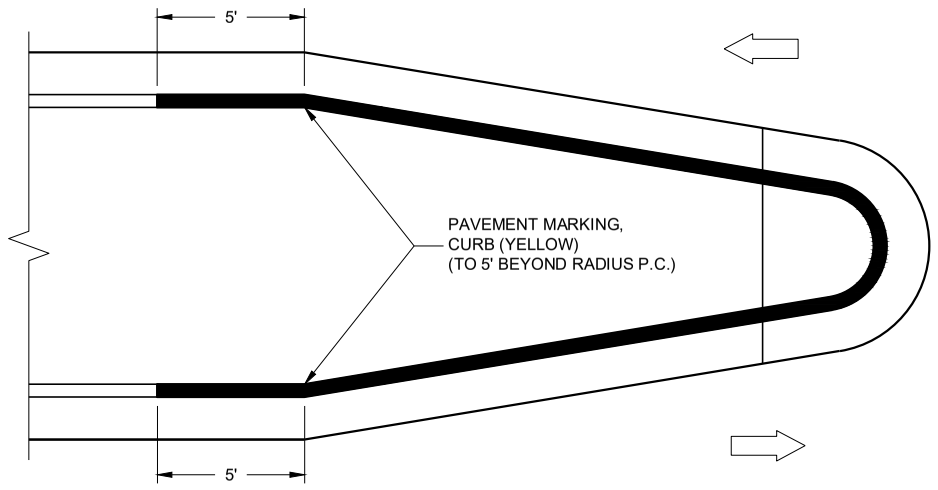
APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MAF ENGINEER
FHWA

6

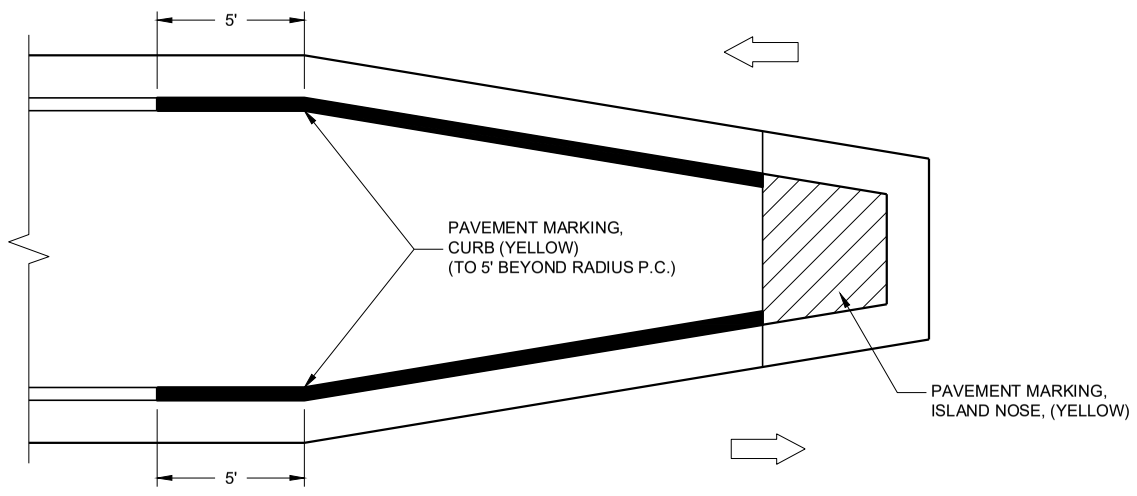
SDD 15C18 - 06a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

6

6

SDD 15C18 - 06b

SDD15C18 - 06b

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

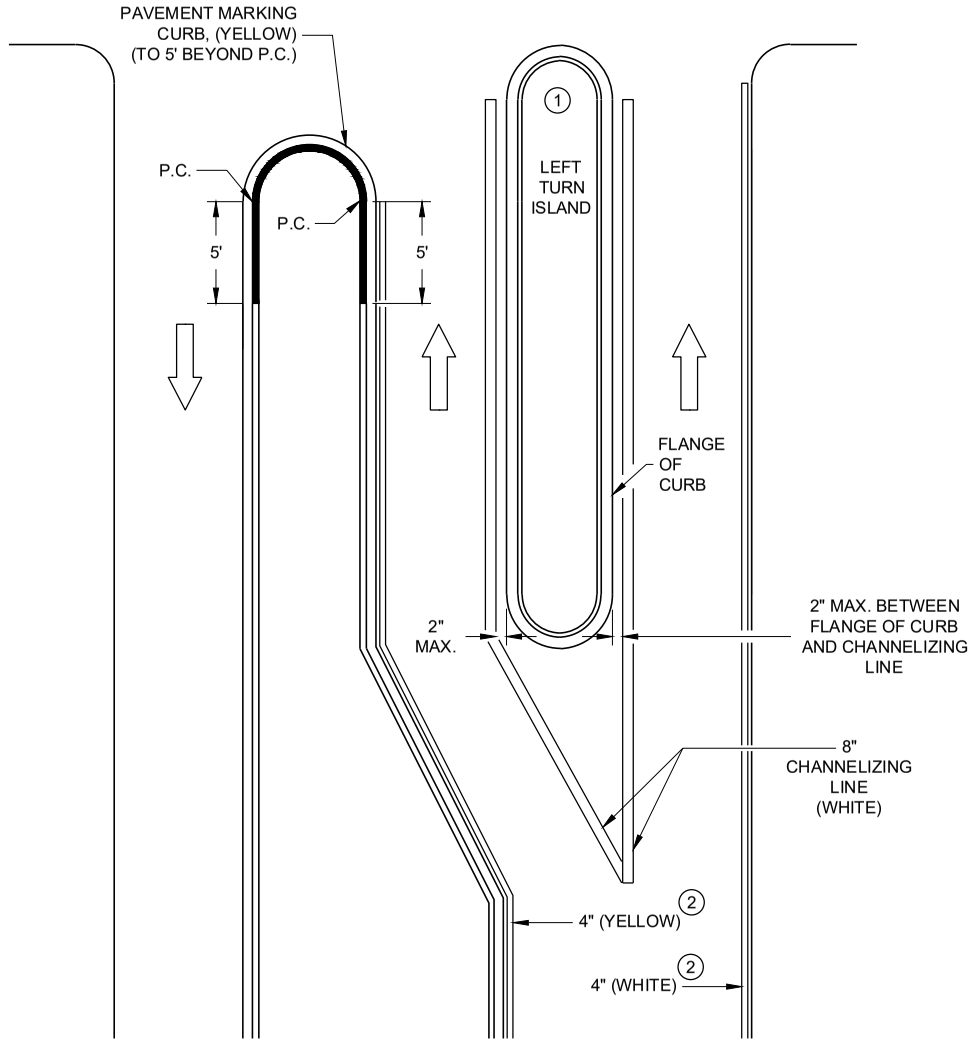
APPROVED

May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

FHWA

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

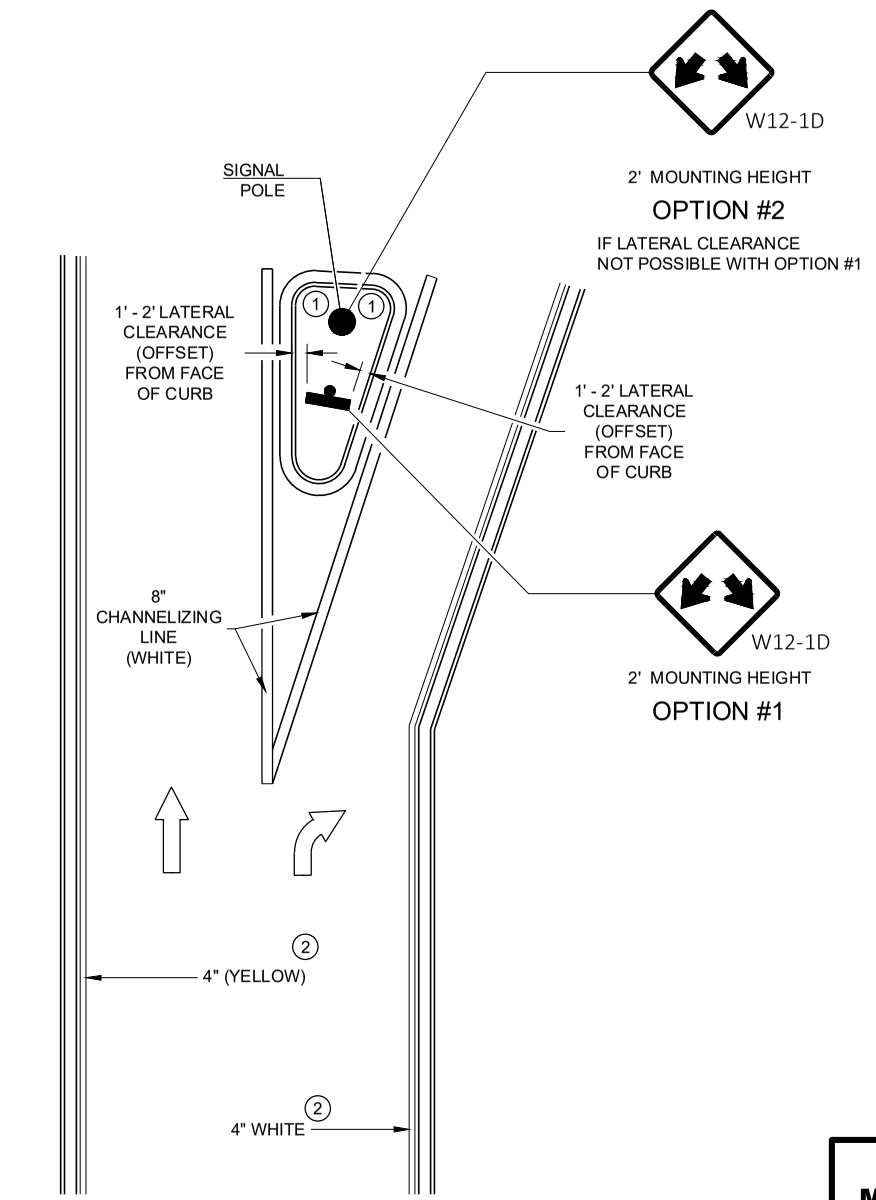
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022 — DATE

/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD15C18 - 06c

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.

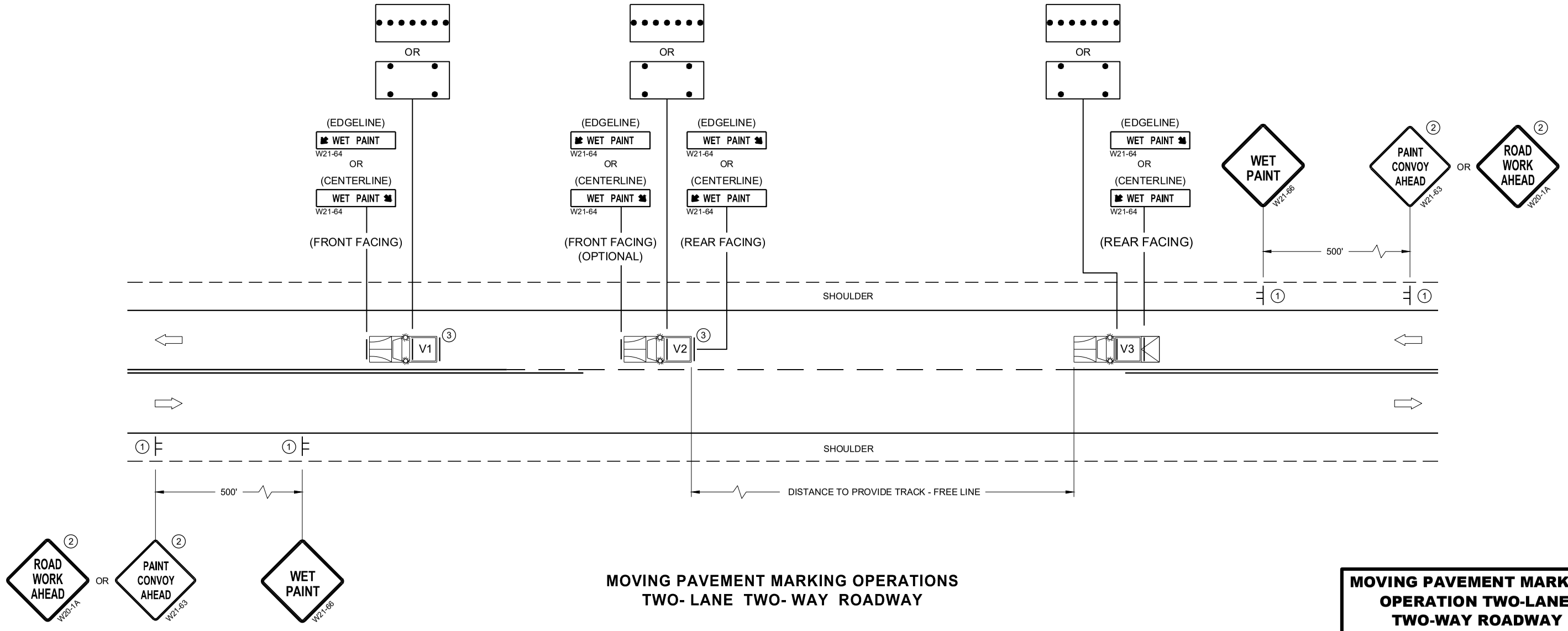
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" 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.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



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
May 2022
DATE

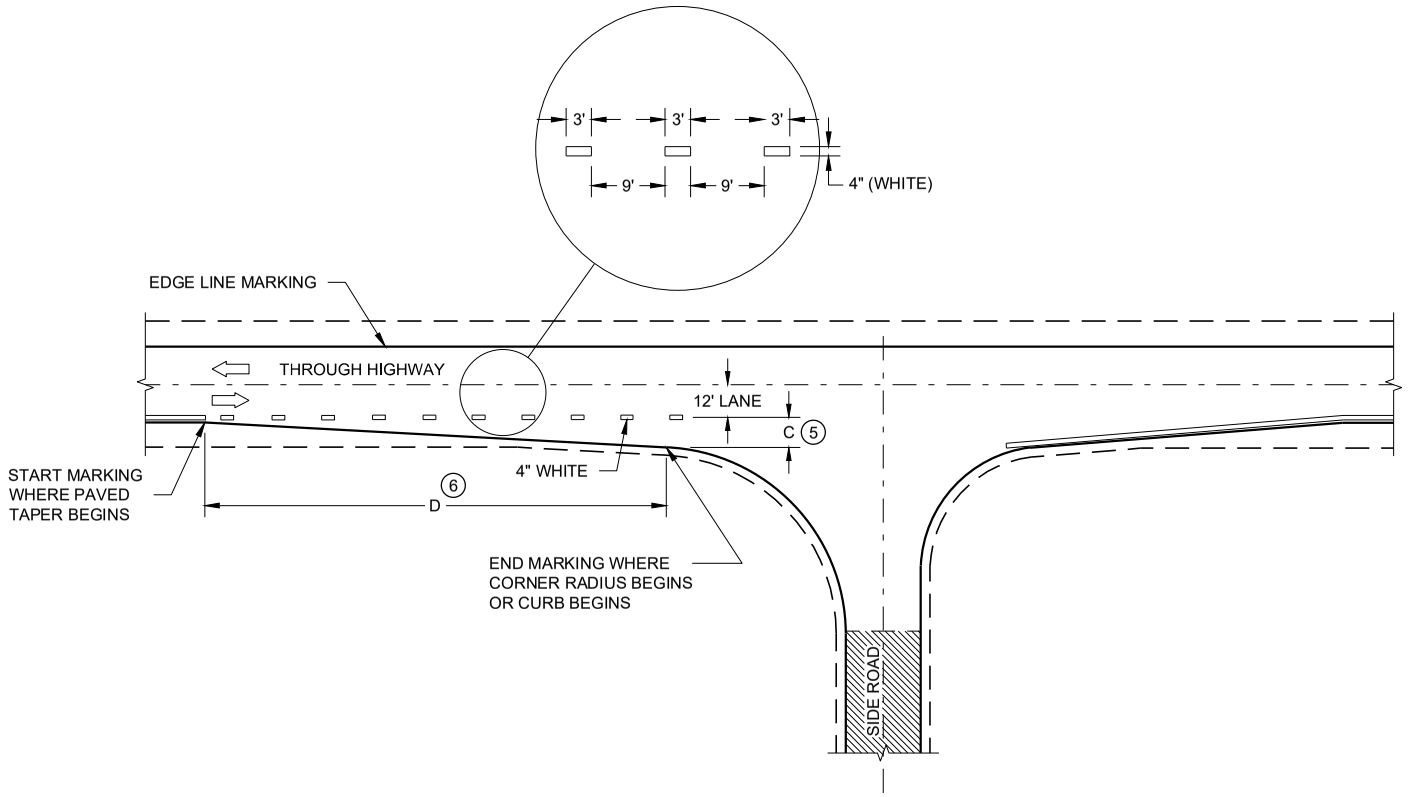
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C19 - 07a

SDD 15C19 - 07a



MINOR INTERSECTION

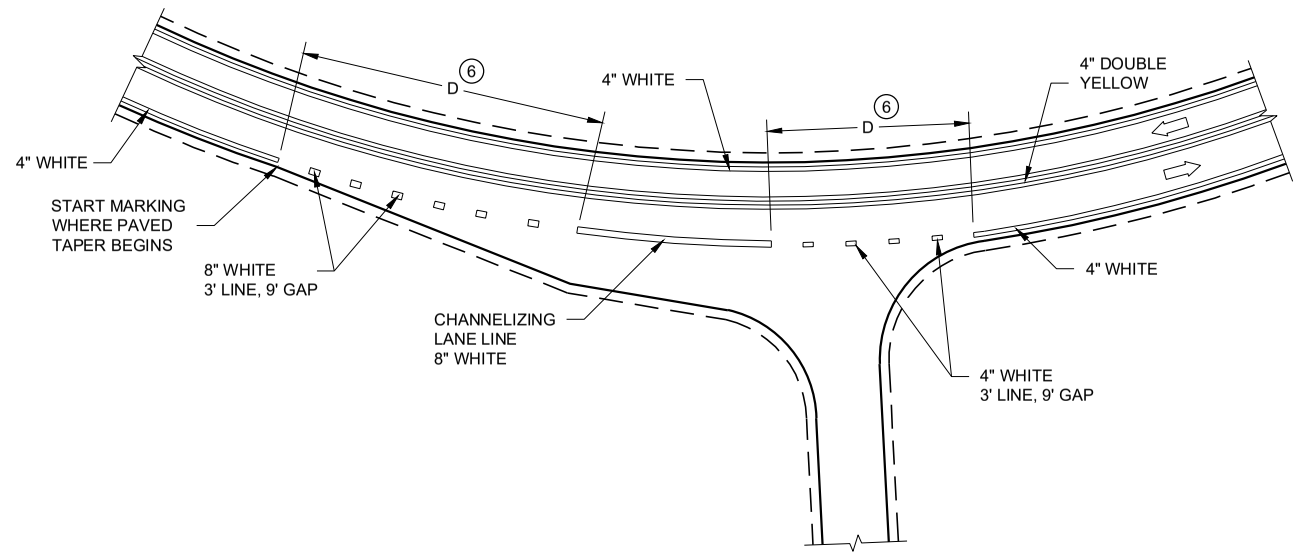
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

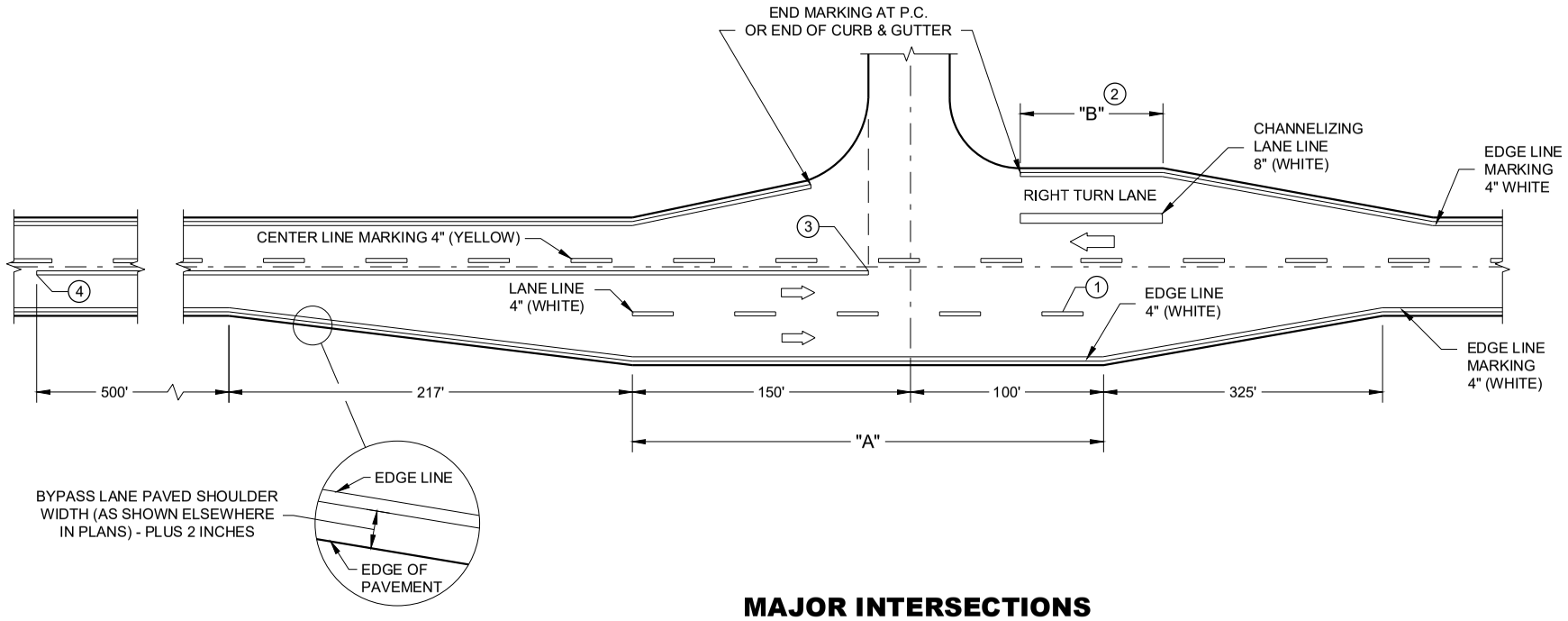
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

GENERAL NOTES

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

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

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

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

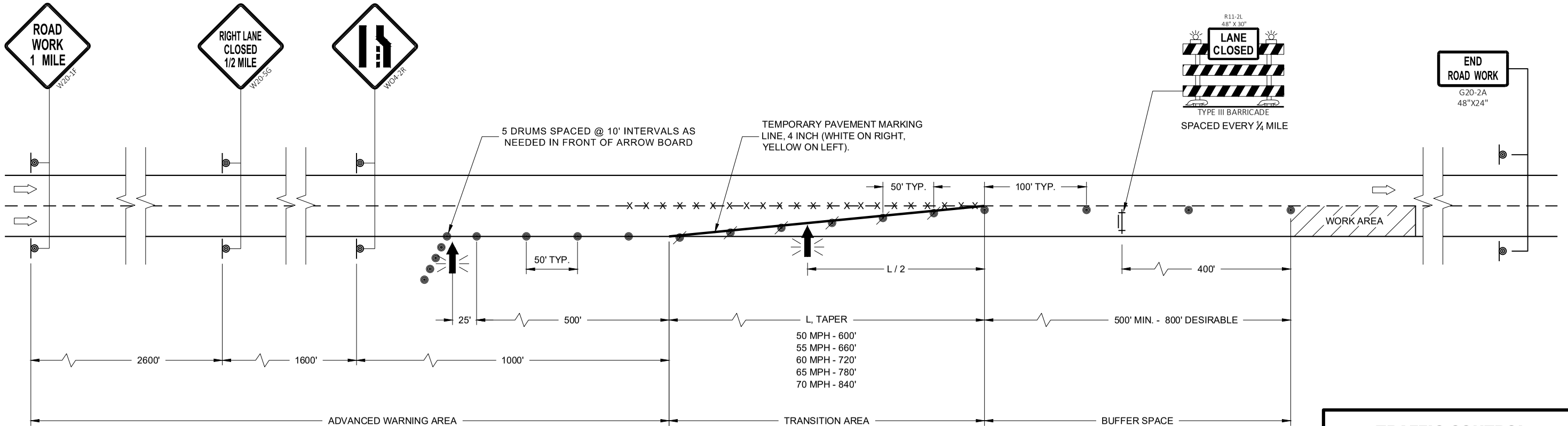
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

6

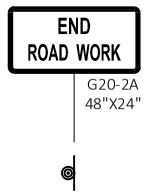
SDD 15D12 - 10a

6

SDD15D12 - 10a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA



GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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.

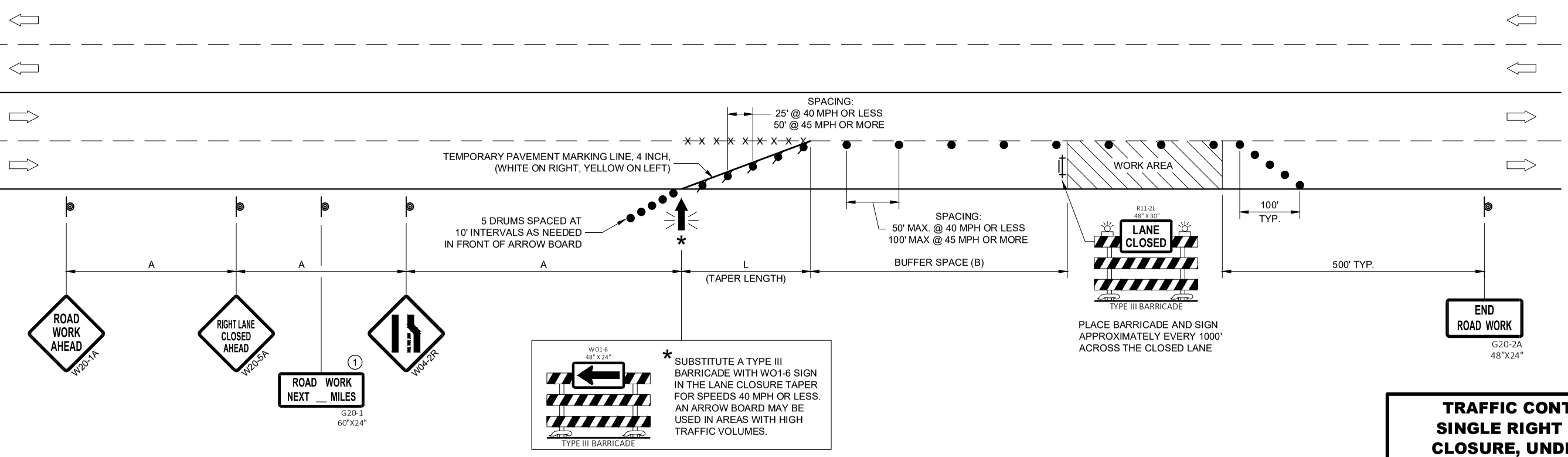
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

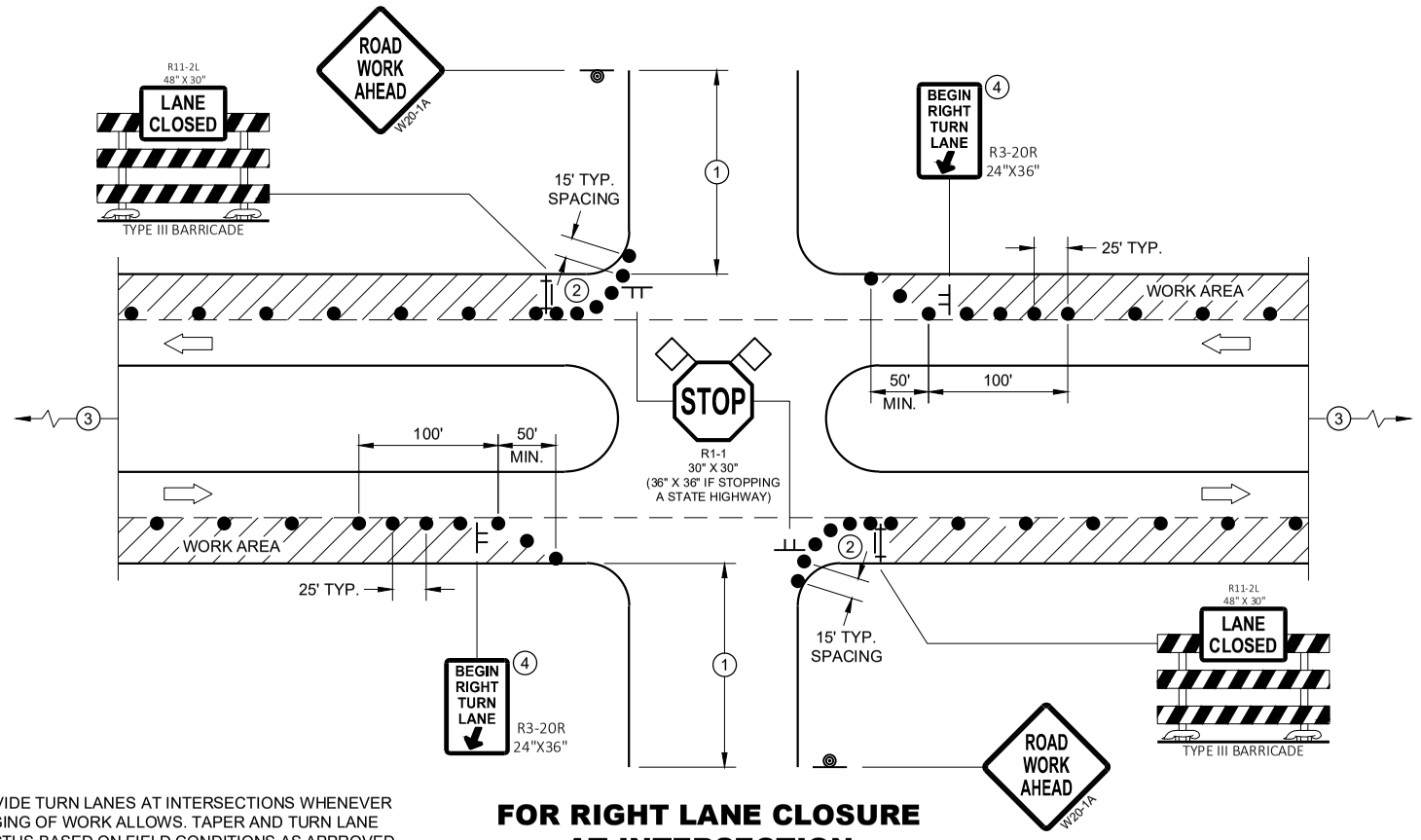
APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20 - 06b



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. 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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

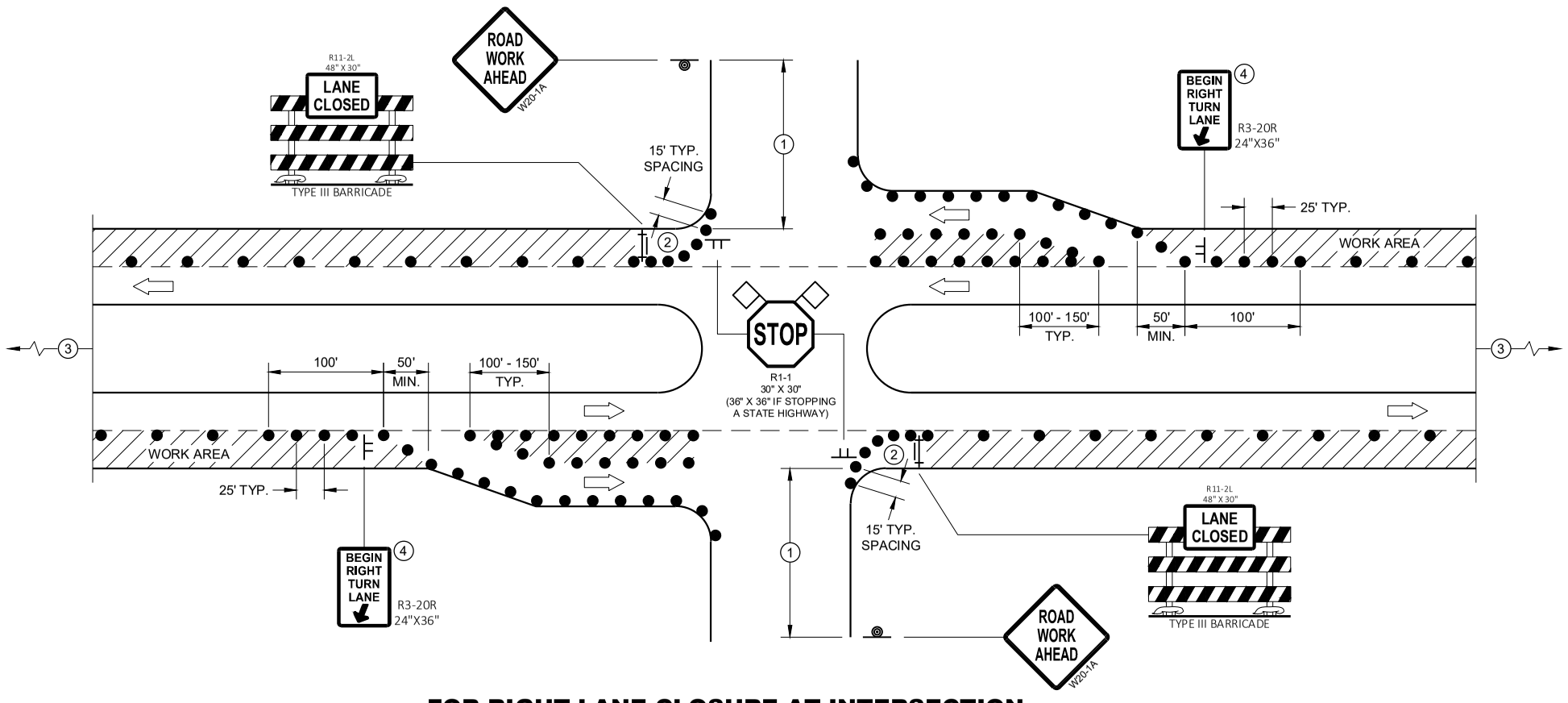
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

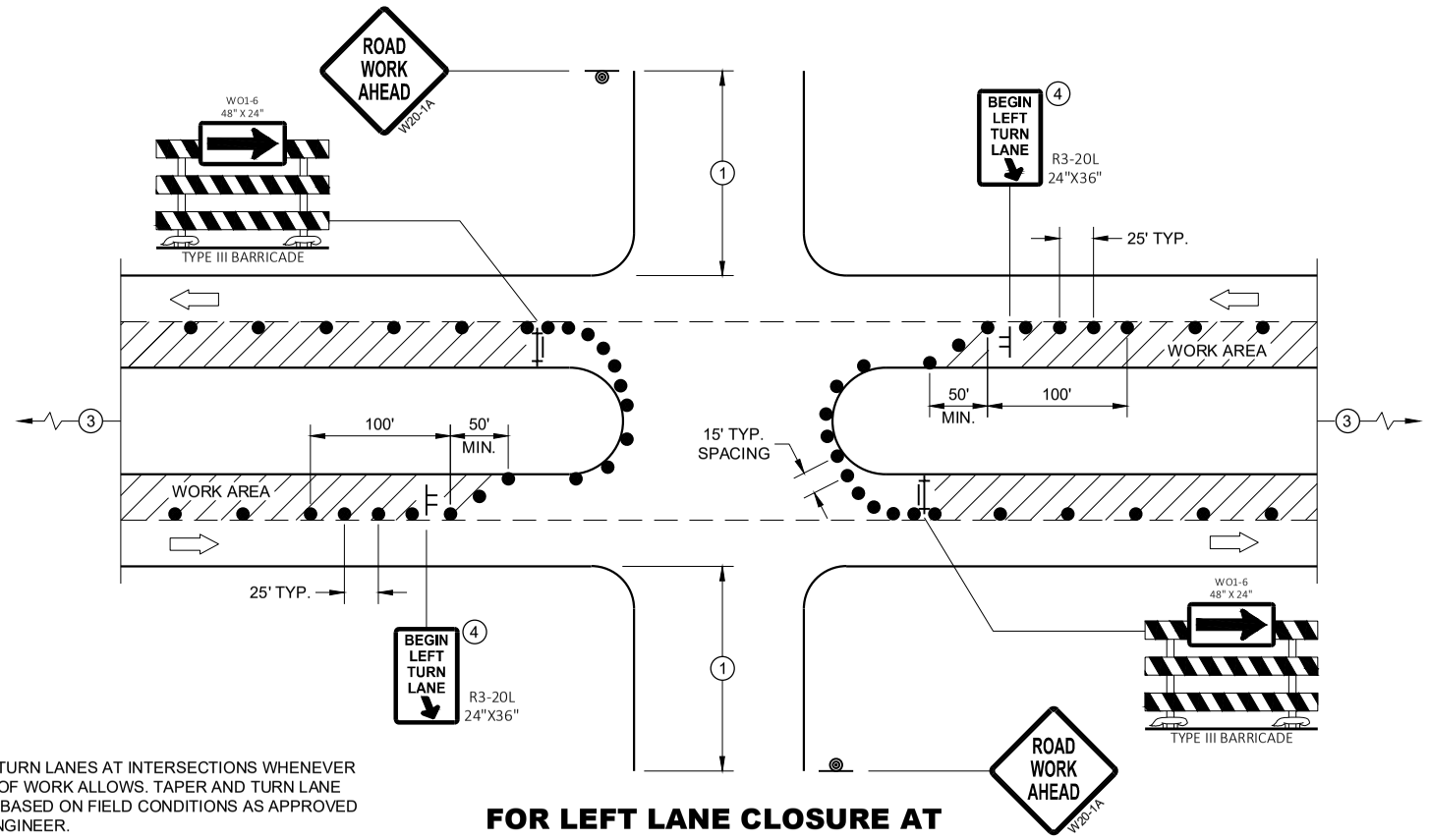
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 262

6

SDD 15D21 - 07a

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. 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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

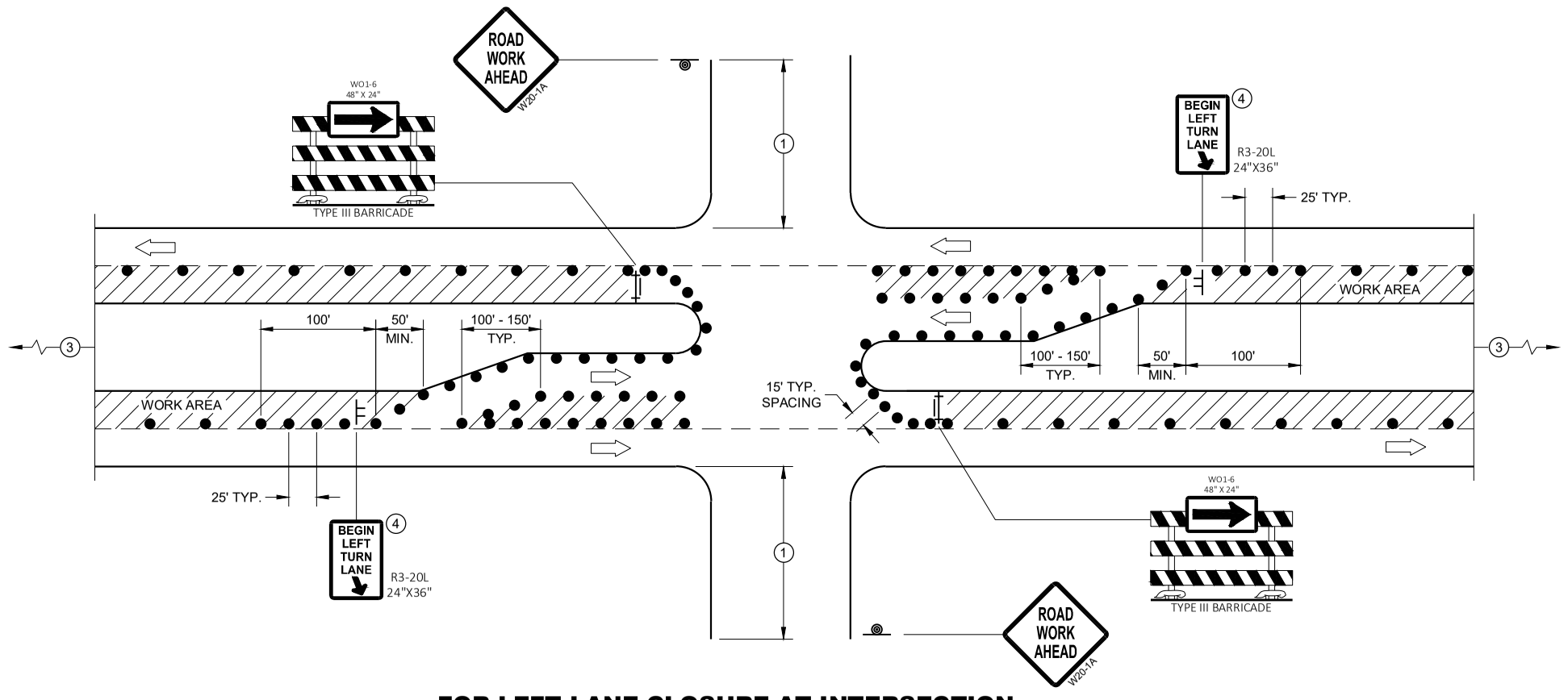
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

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.

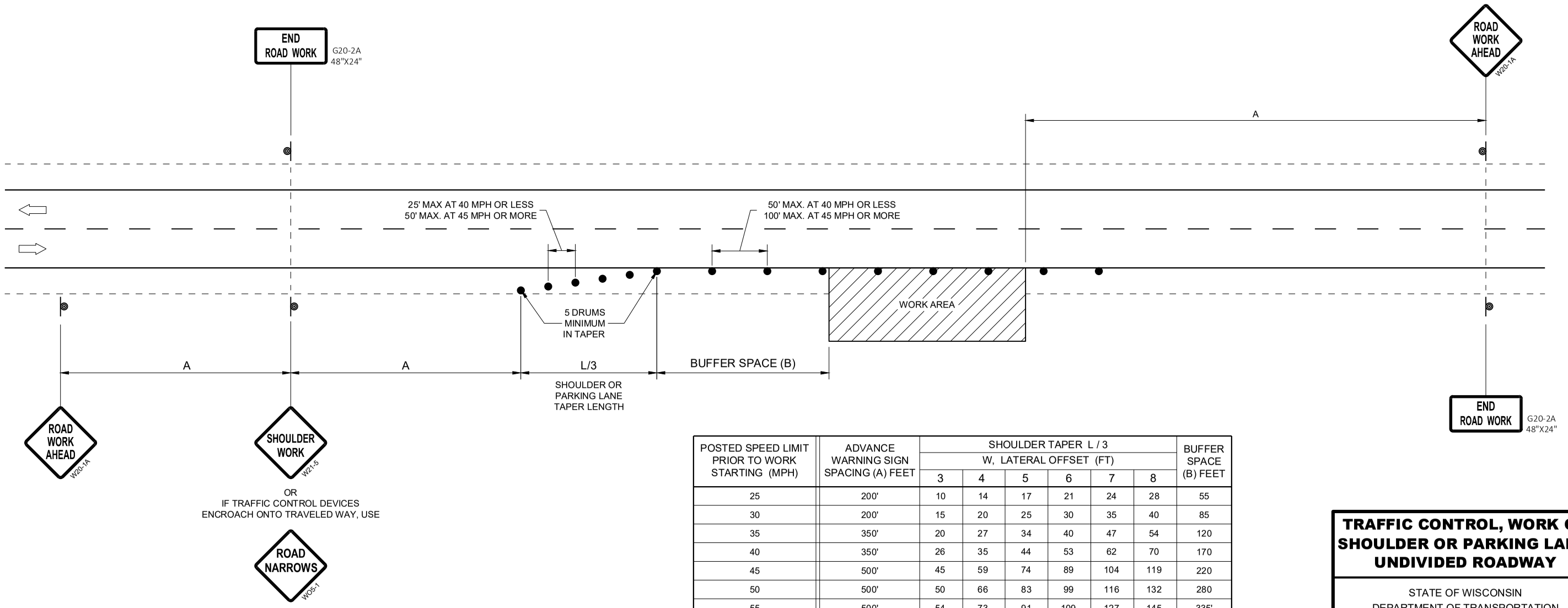
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

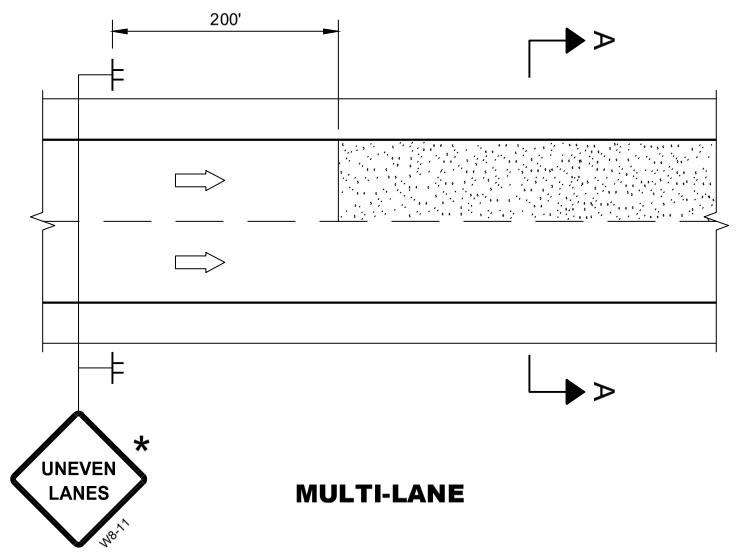
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

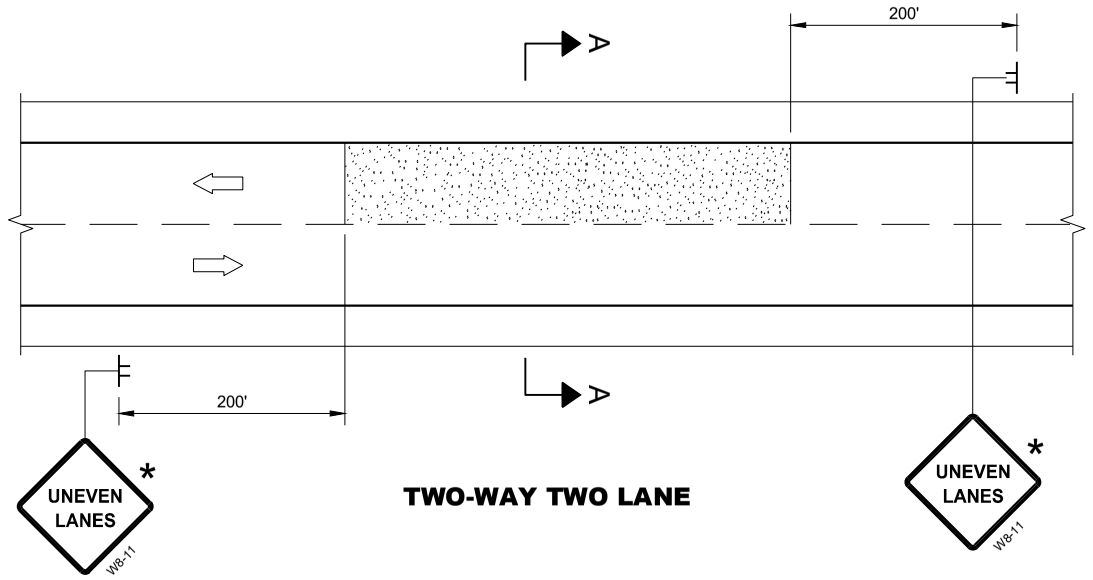
FHWA

SDD 15D28 - 04

SDD 15D28 - 04



MULTI-LANE



TWO-WAY TWO LANE

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.

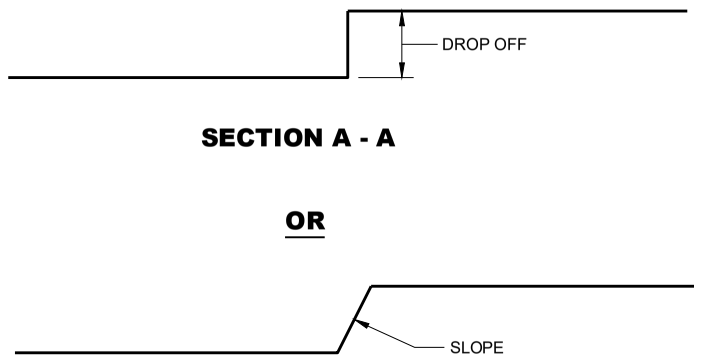
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

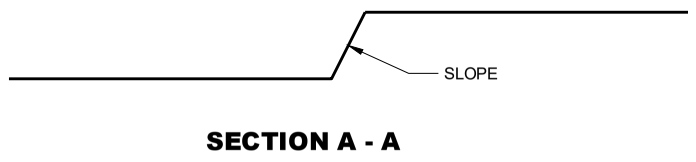
LEGEND

- 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

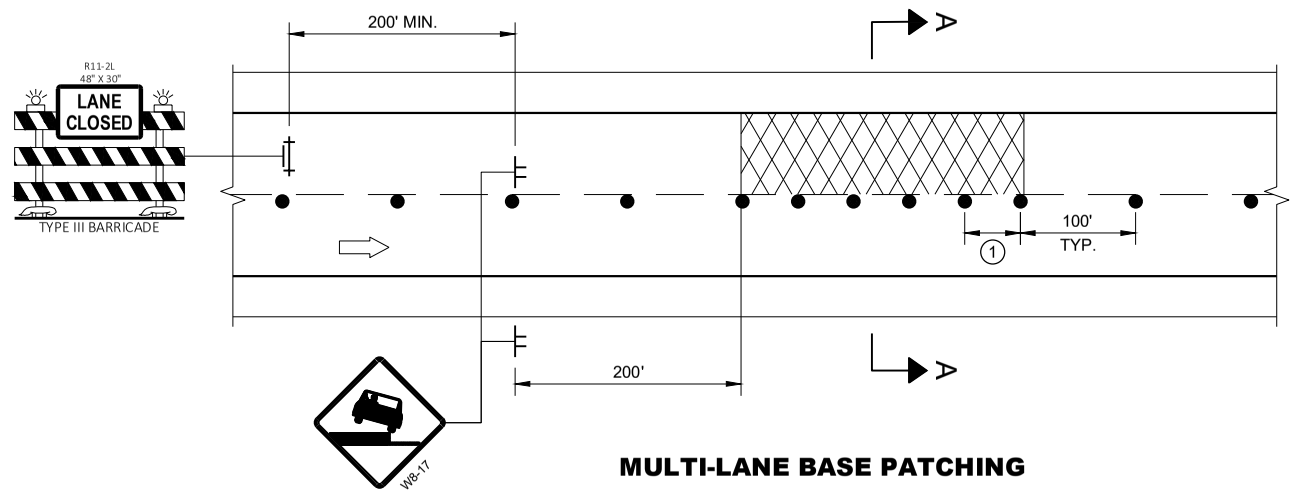


SECTION A - A

OR

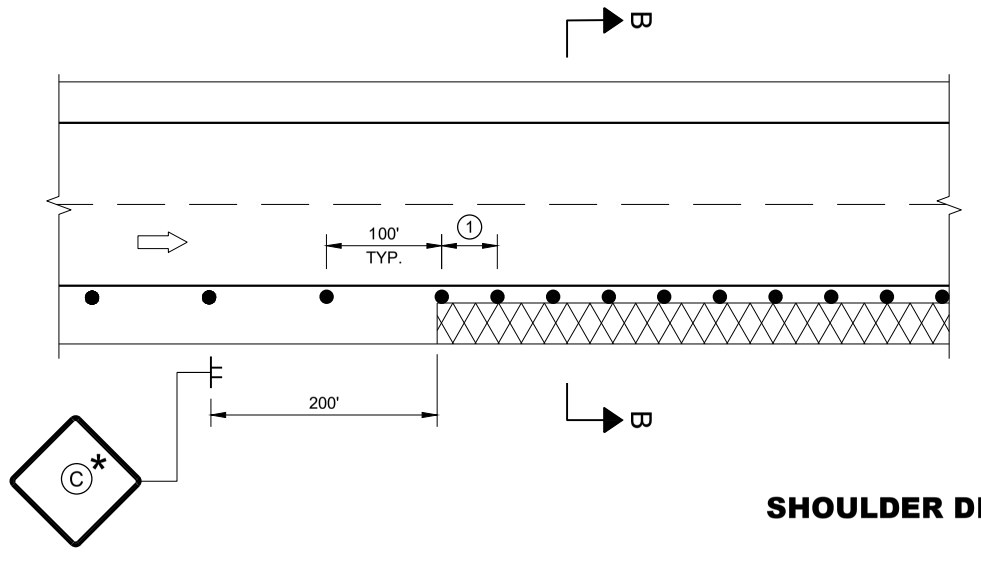


SECTION A - A

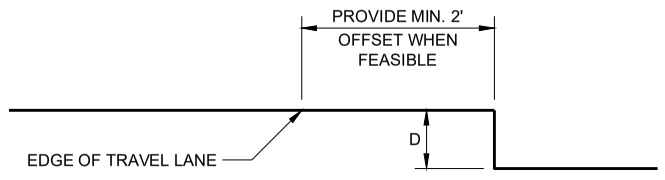


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



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

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.

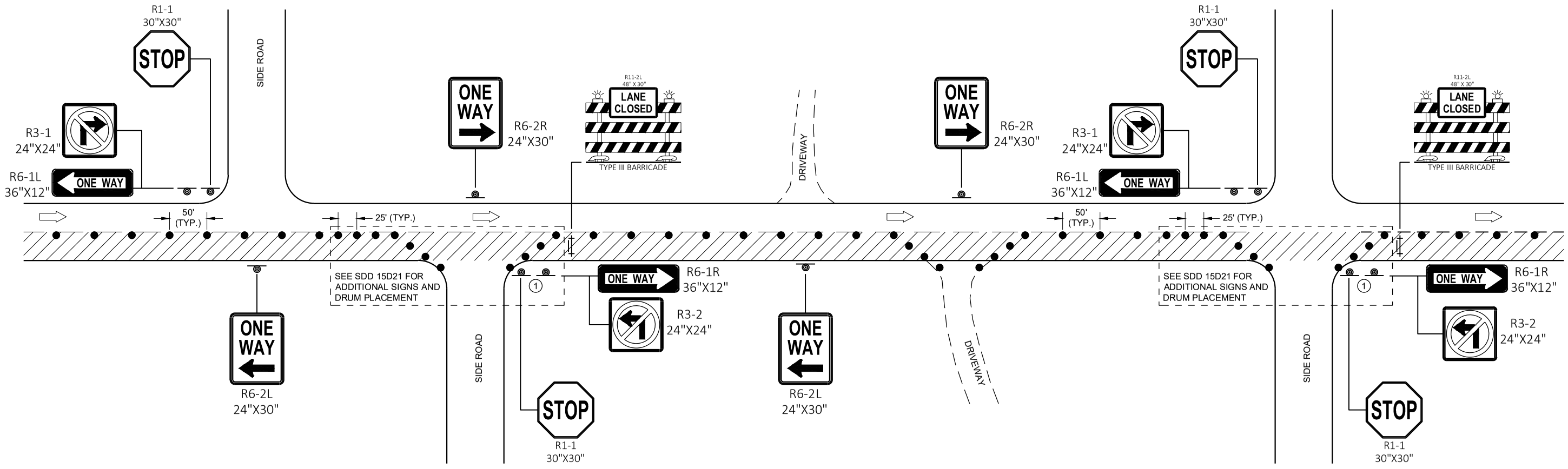
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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	

6

SDD 15D46 - 01

LEGEND

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

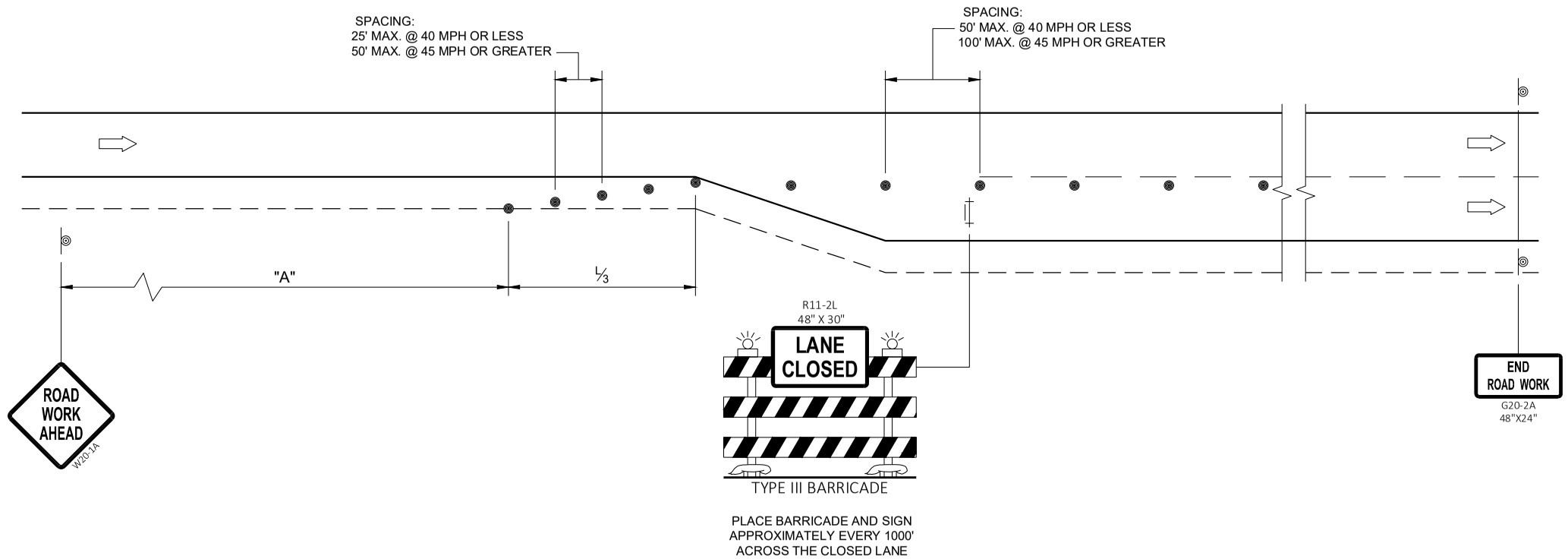
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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.

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.

W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D50 - 02a

6

SDD 15D50 - 02a

LEGEND

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

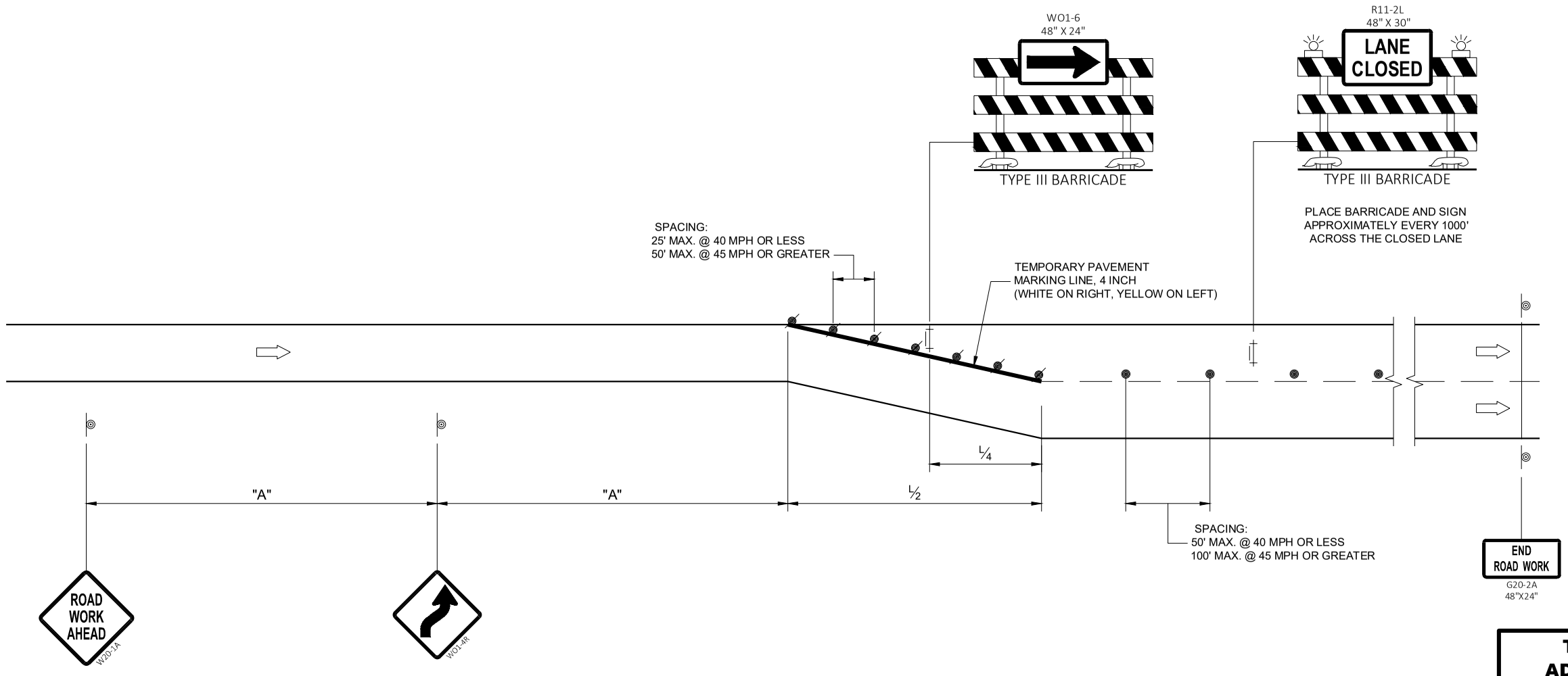
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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 SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6
SDD 15D50 - 02b

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

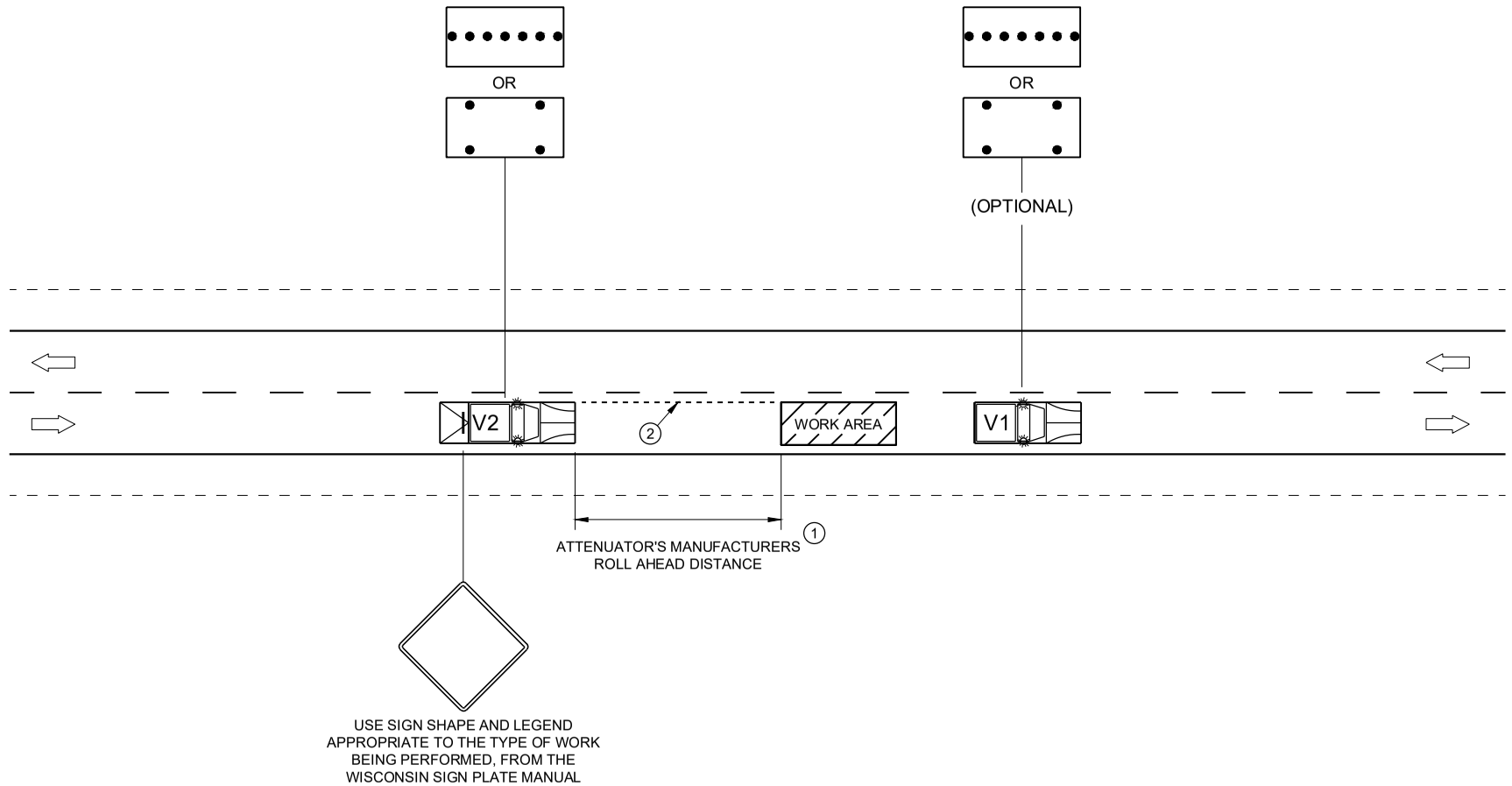
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, 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 OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

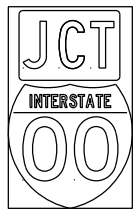
6

SDD 15D51 - 01

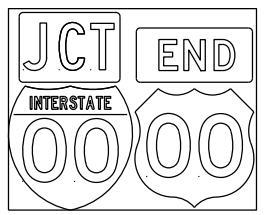
6

SDD 15D51 - 01

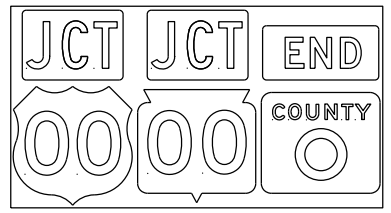
TYPICAL ASSEMBLIES



J1-1



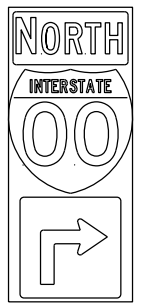
J1-2



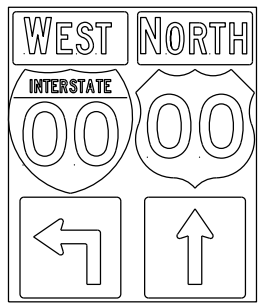
J1-3



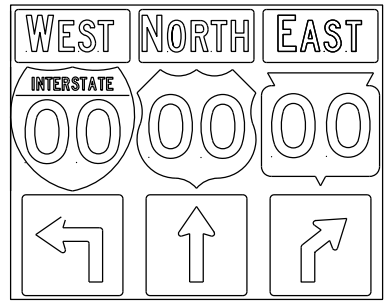
JR1-1



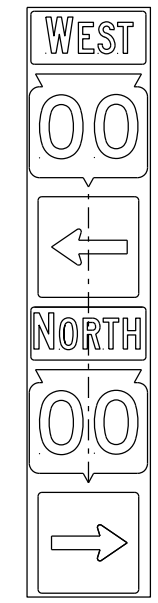
J2-1



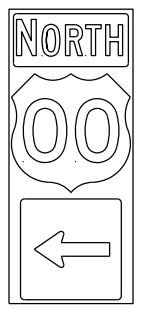
J2-2



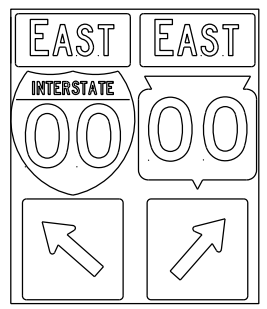
J2-3



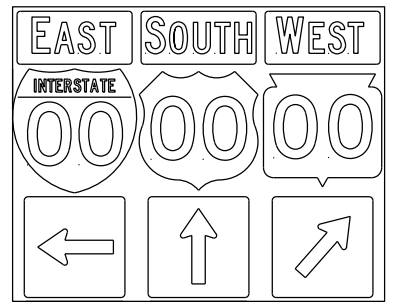
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



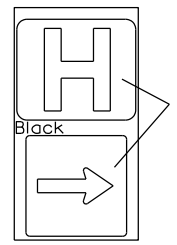
J3-1



J3-2



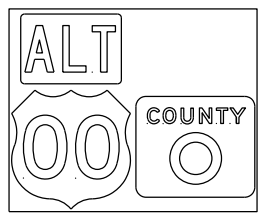
J3-3



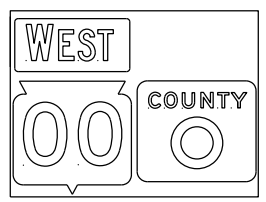
Blue Background
JH-1



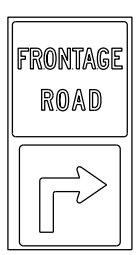
J4-1



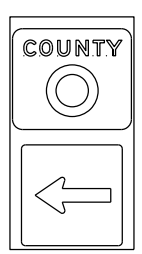
J4-2



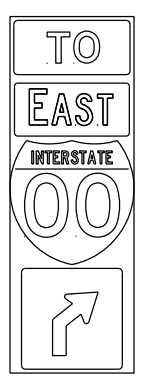
J4-2



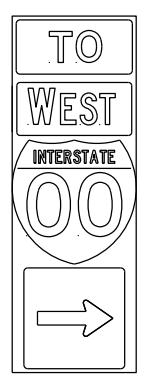
J12-1



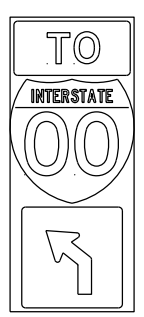
J13-1



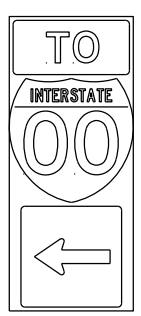
J32-1



J33-1



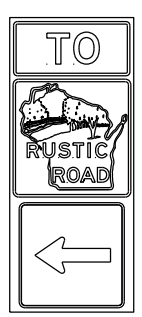
J22-1



J23-1



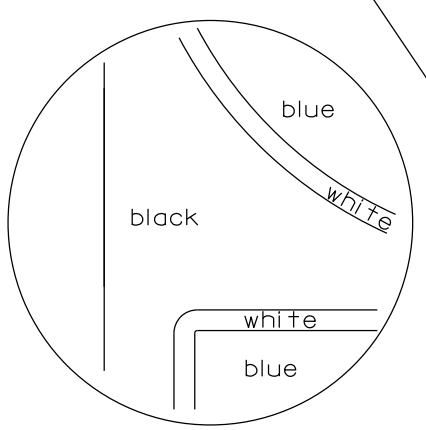
JR13-1



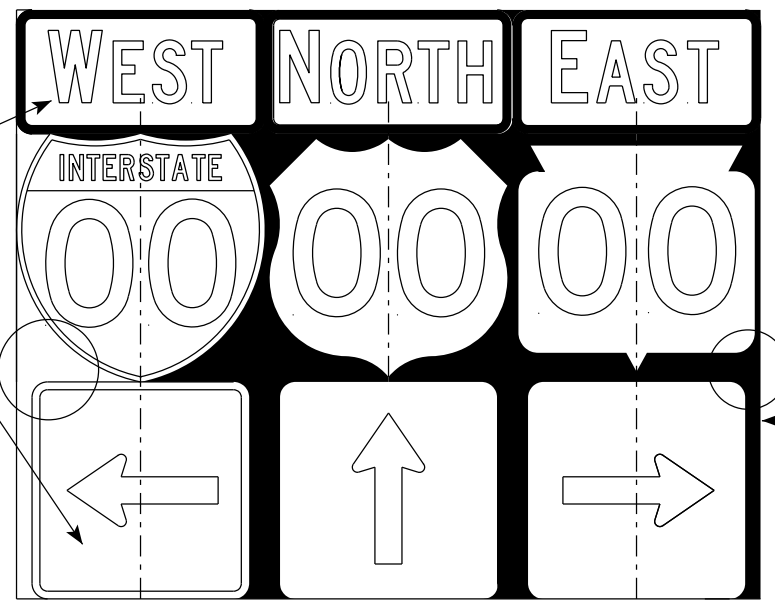
JR23-1

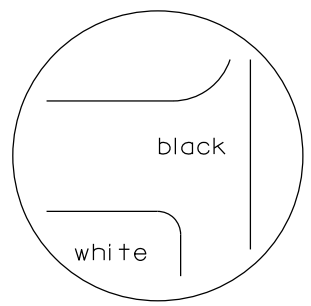


JR99-1



blue background
with interstate





black background

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 270 E

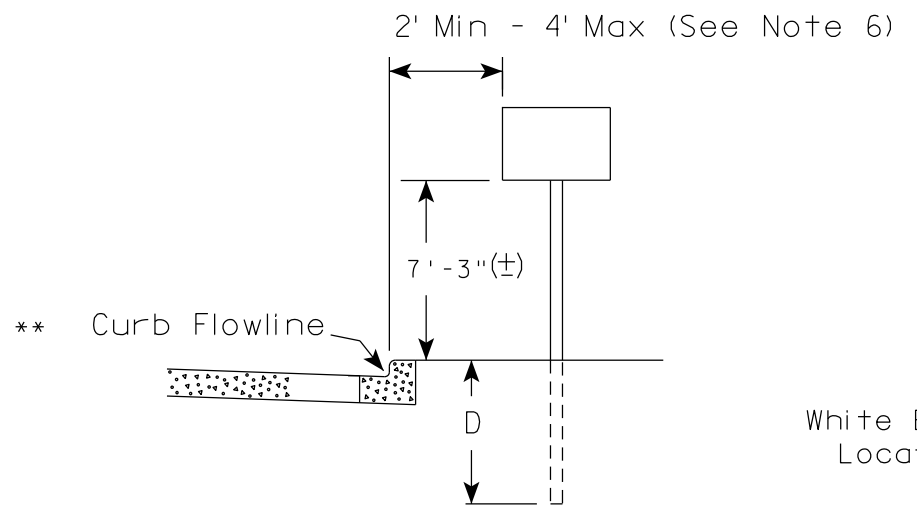
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

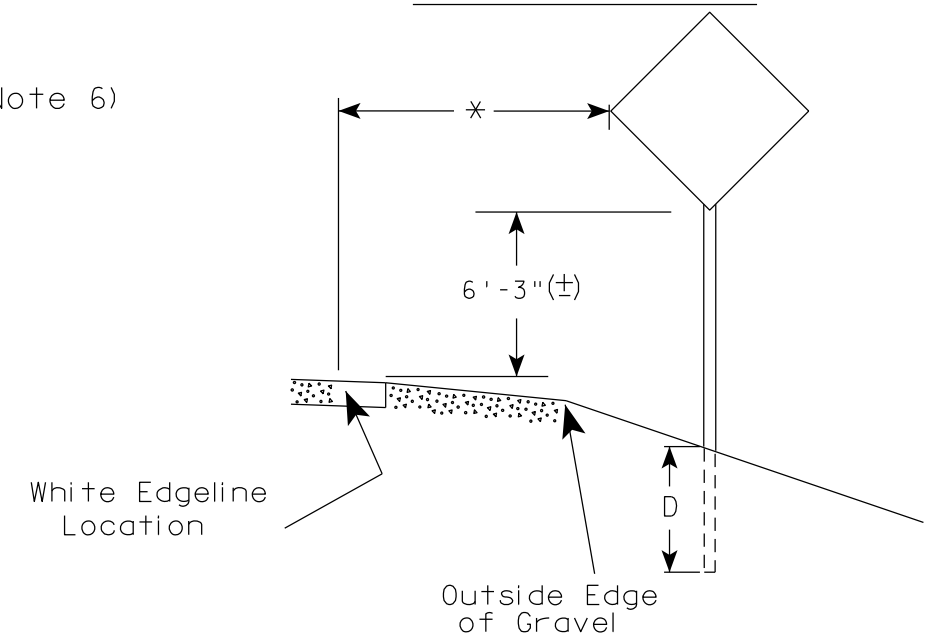
7

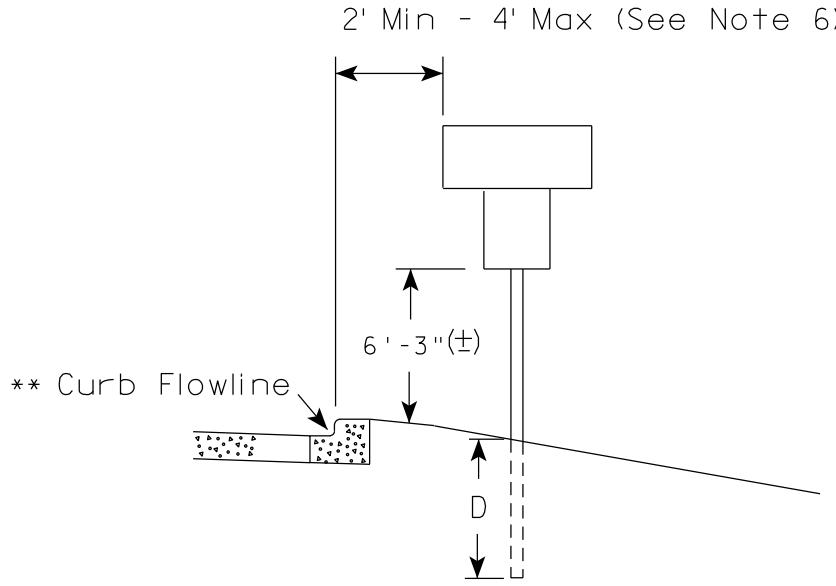
7

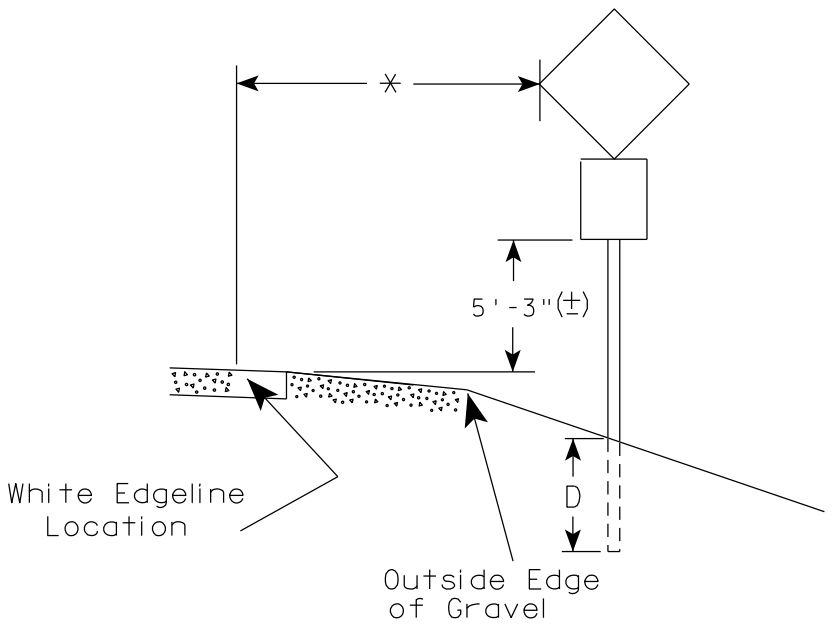
URBAN AREA



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.

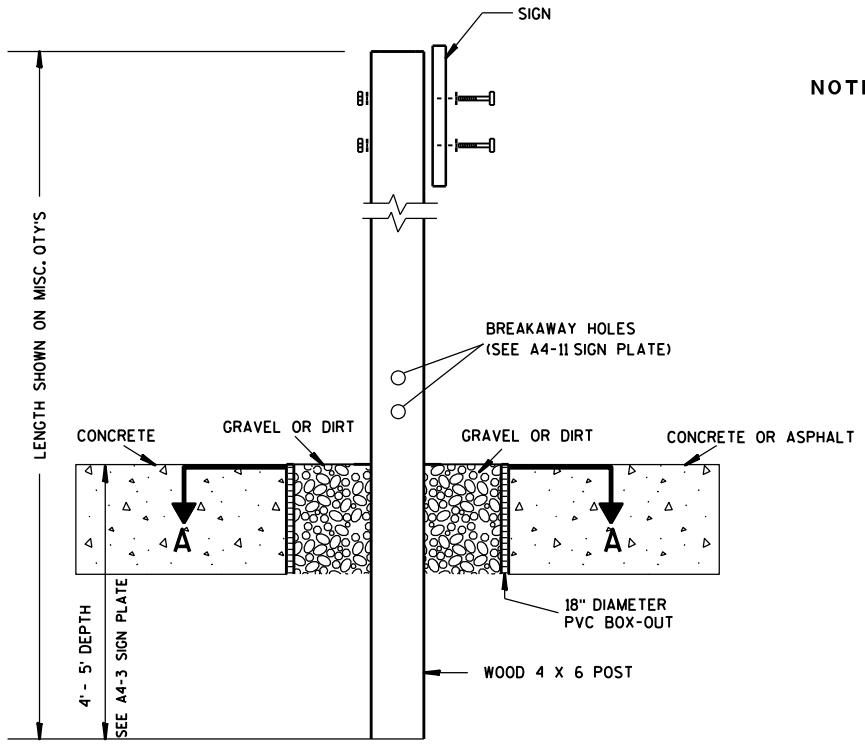
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

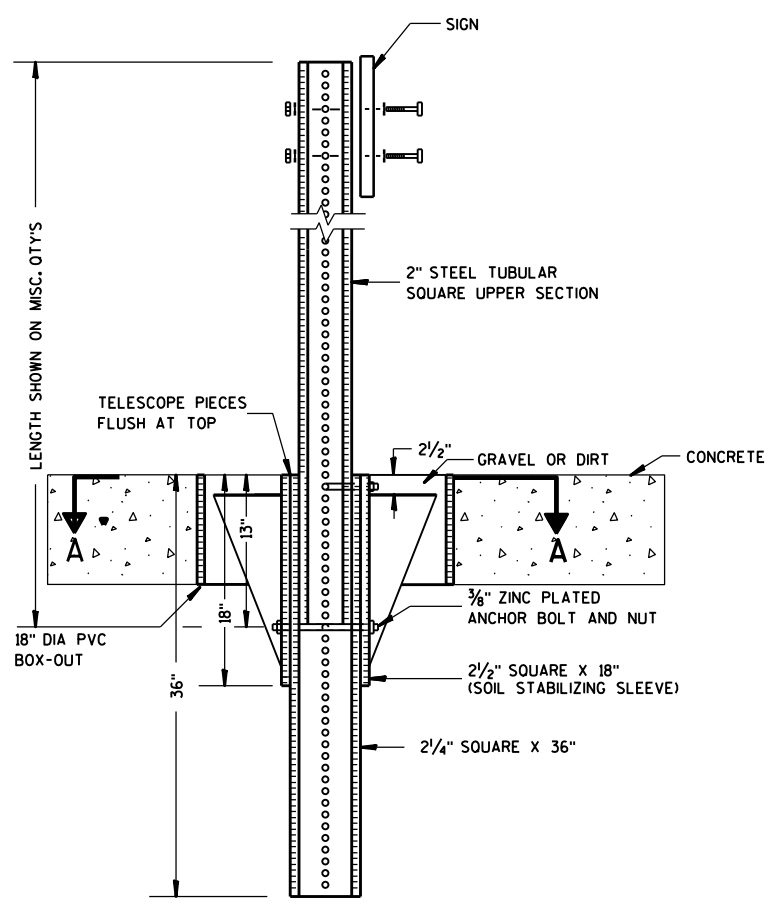
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	E



ELEVATION VIEW

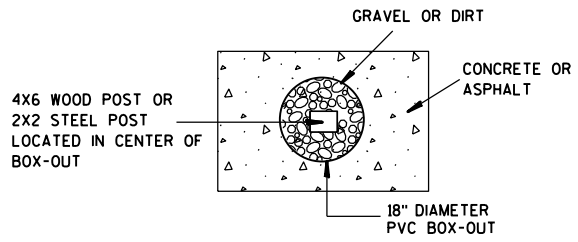
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

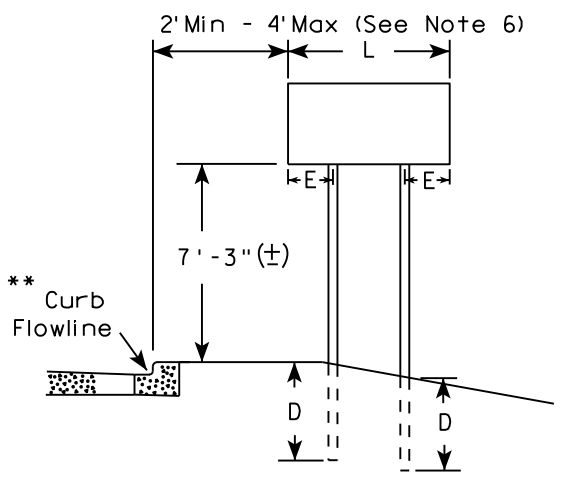
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

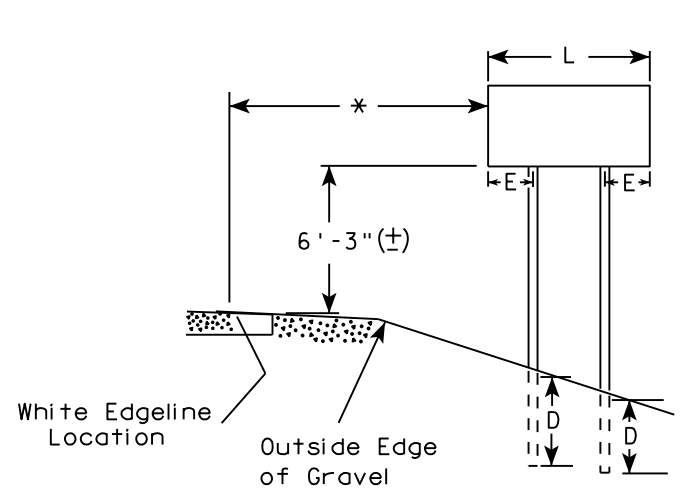
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

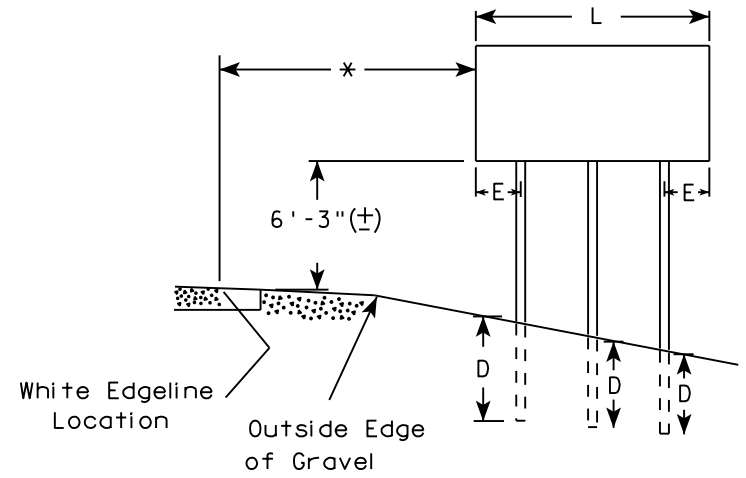
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

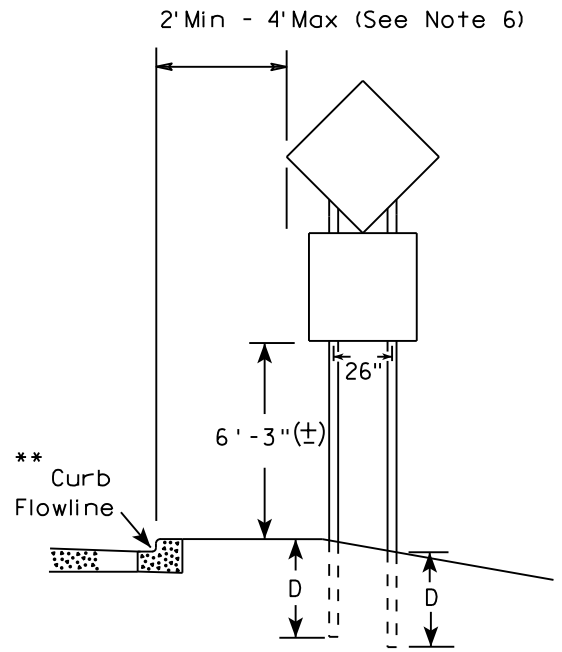
URBAN AREA



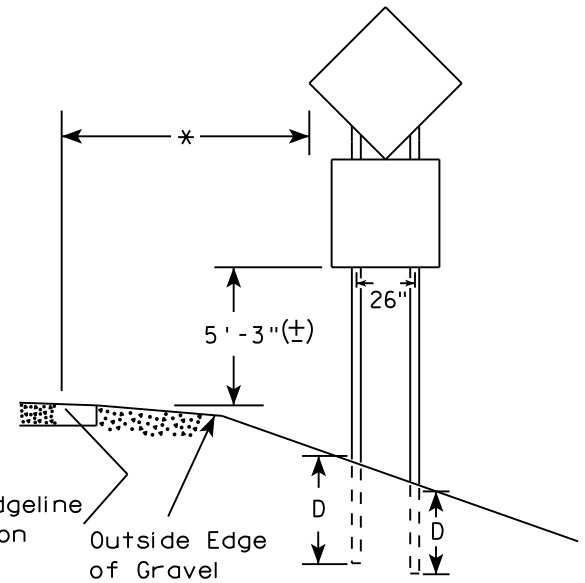
RURAL AREA (See Note 3)







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'

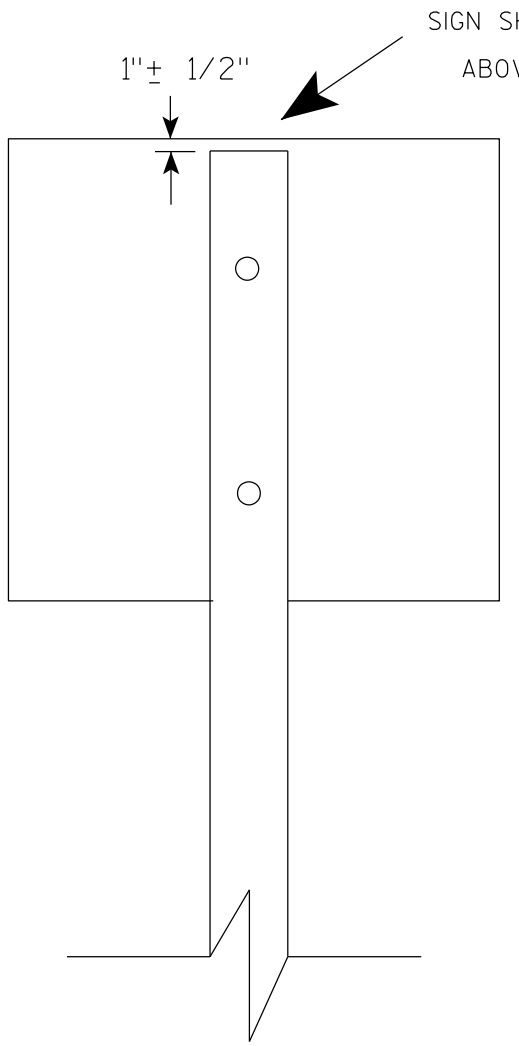
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

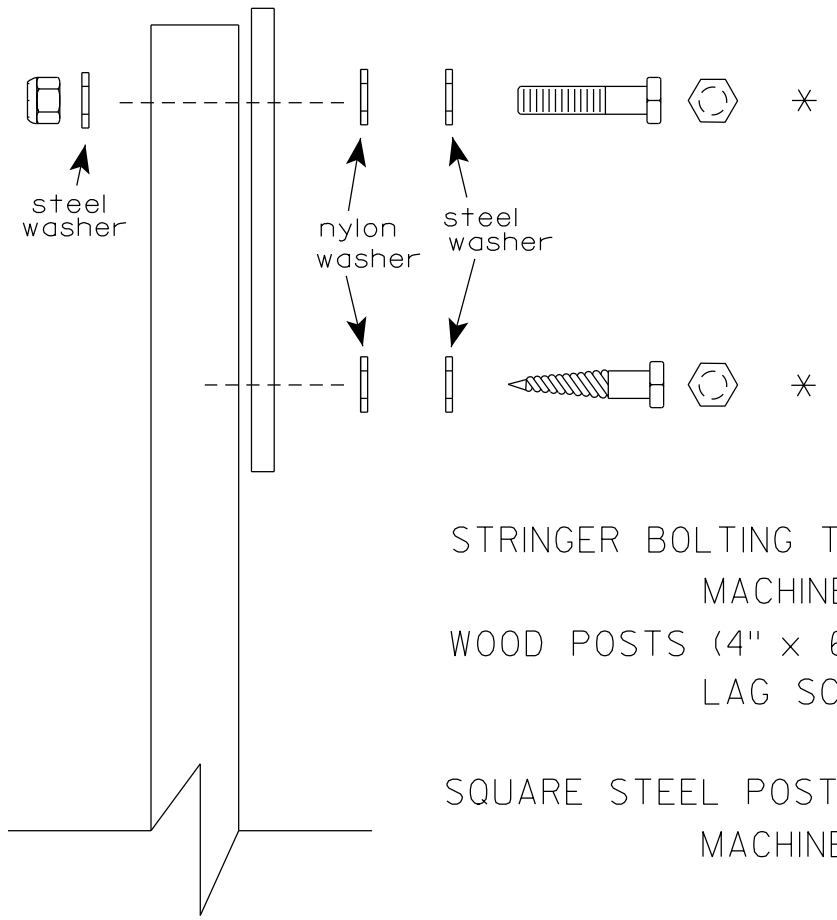
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	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

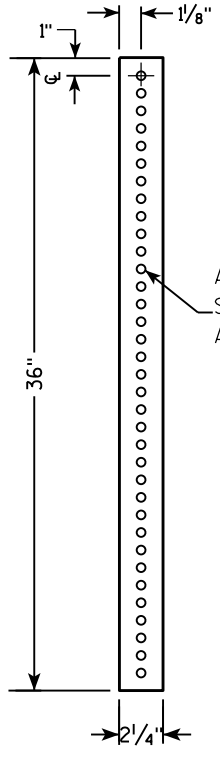
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

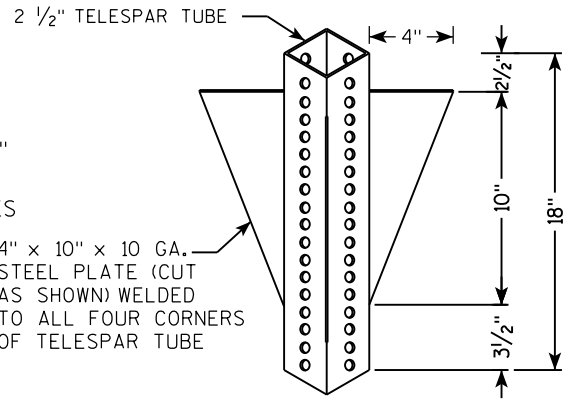
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

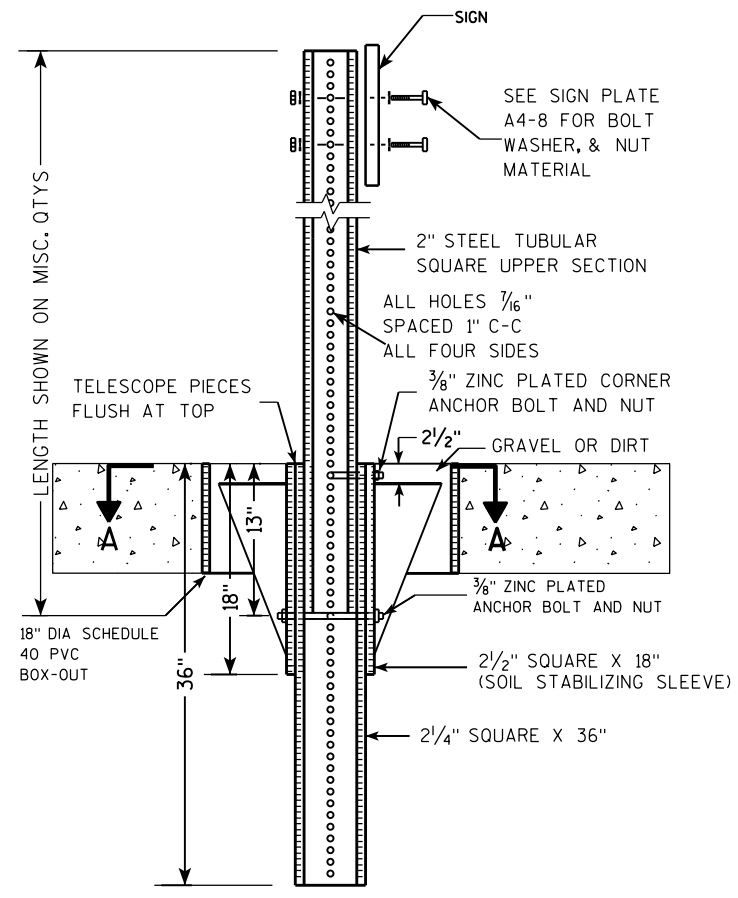
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



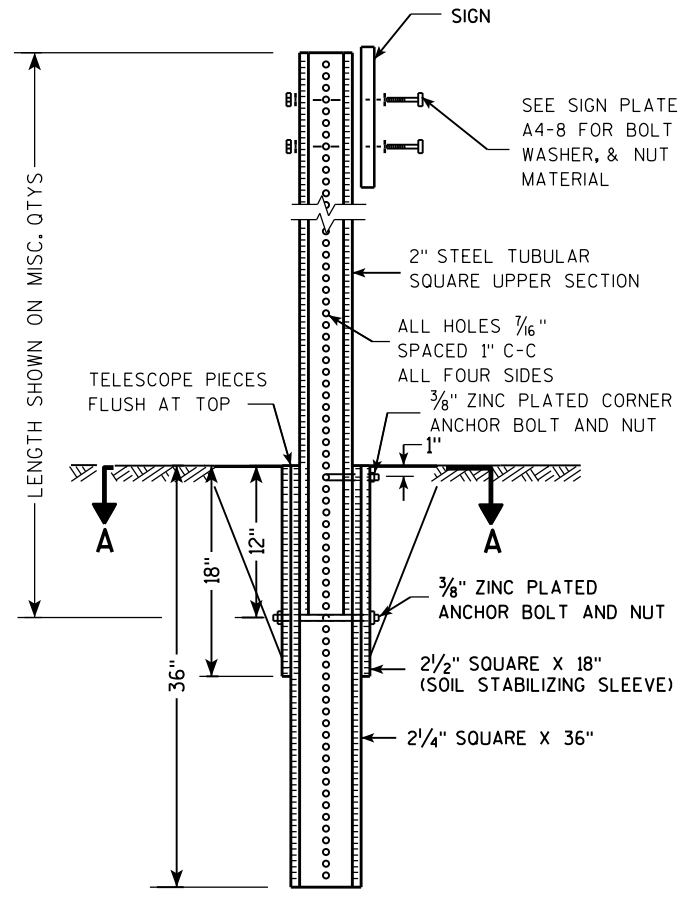
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

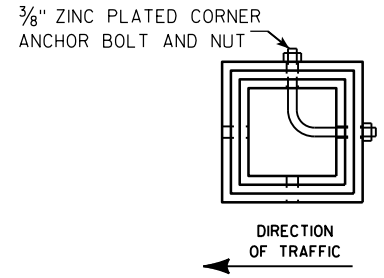


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

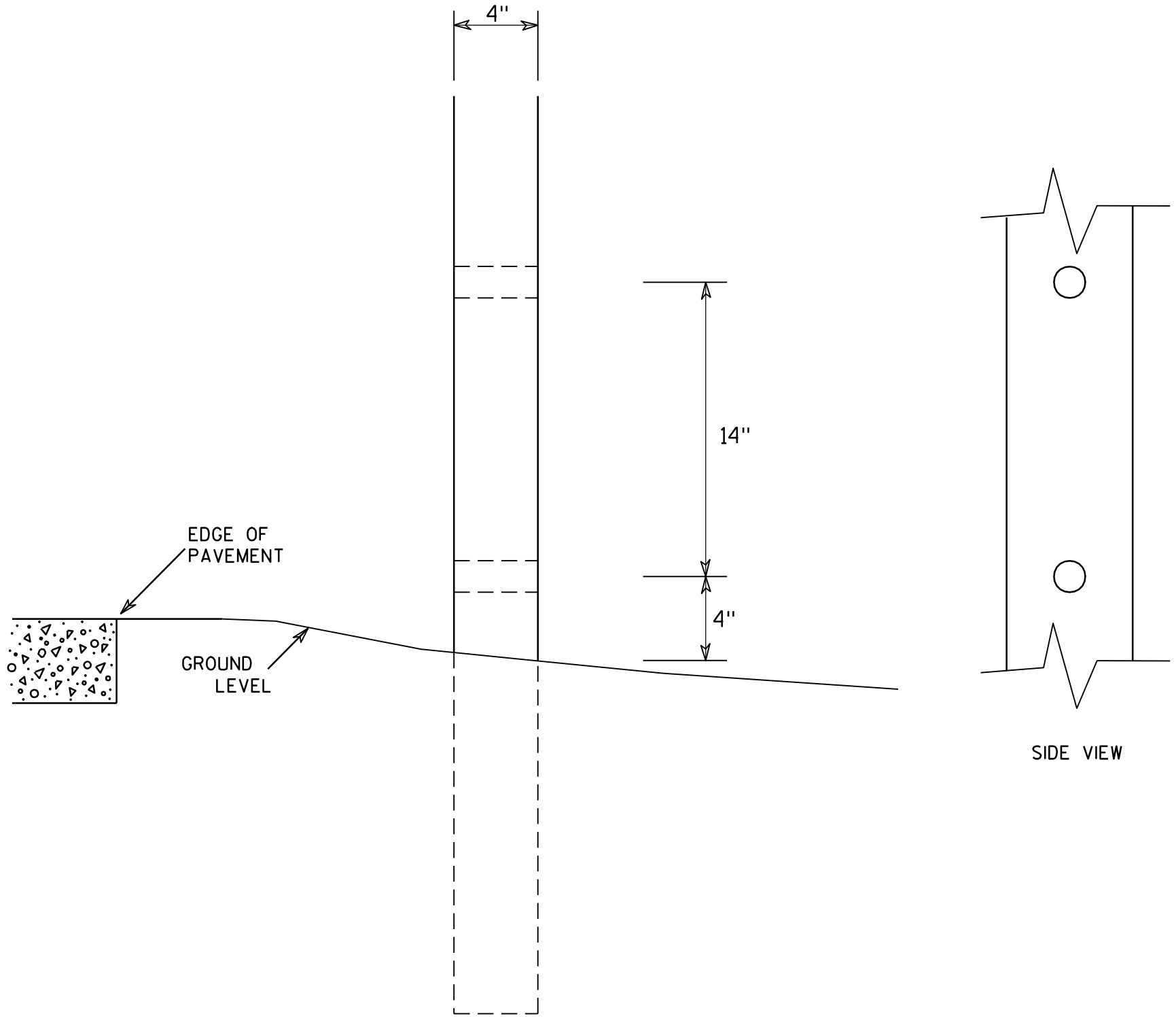
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 275 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

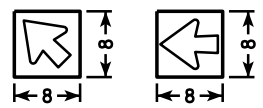
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

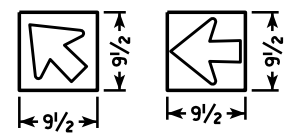
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 276	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

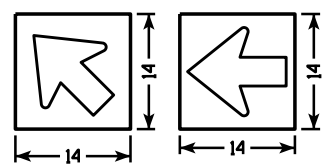




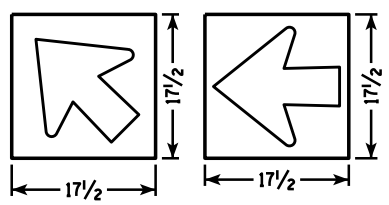










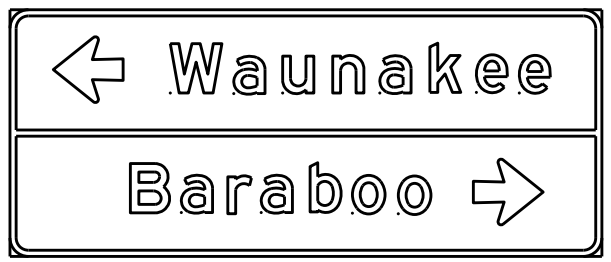


GENERAL NOTES

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

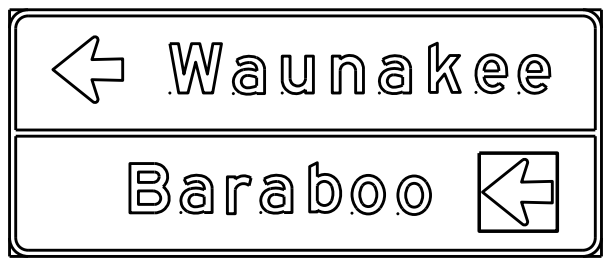
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

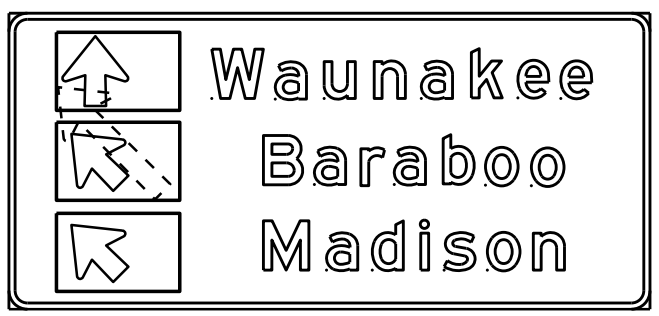
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

277

A4-12.2

PROJECT NO:

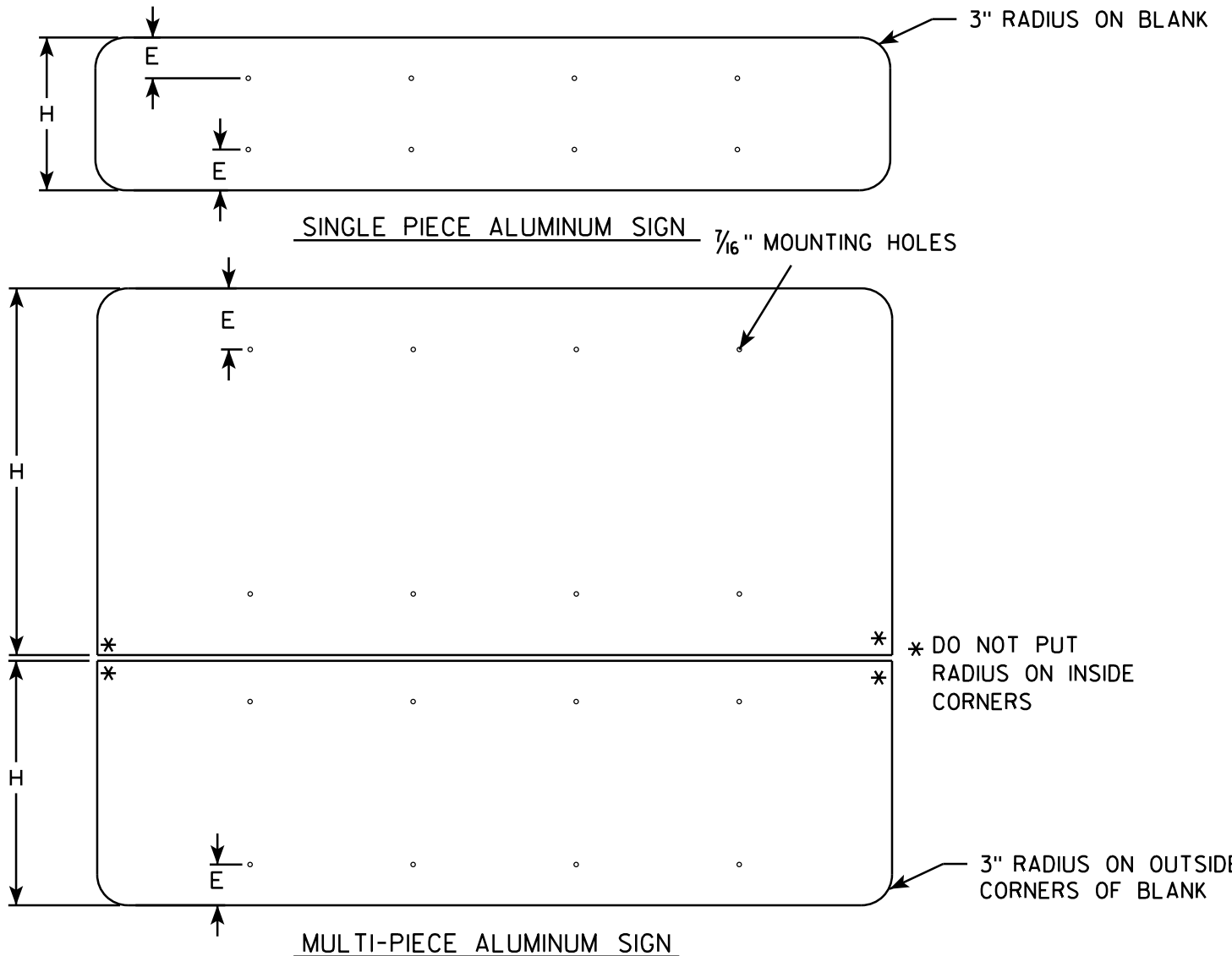
SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A412.DGN PLOT DATE : 08-OCT-2014 11:50 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

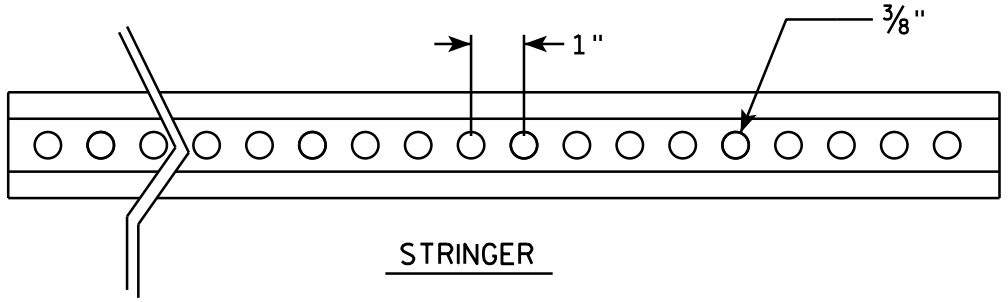
7



GENERAL NOTES

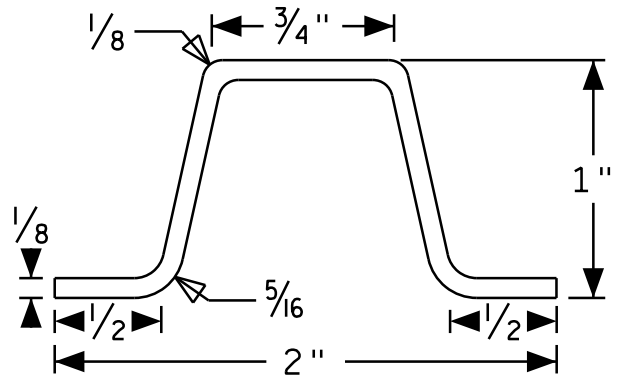
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

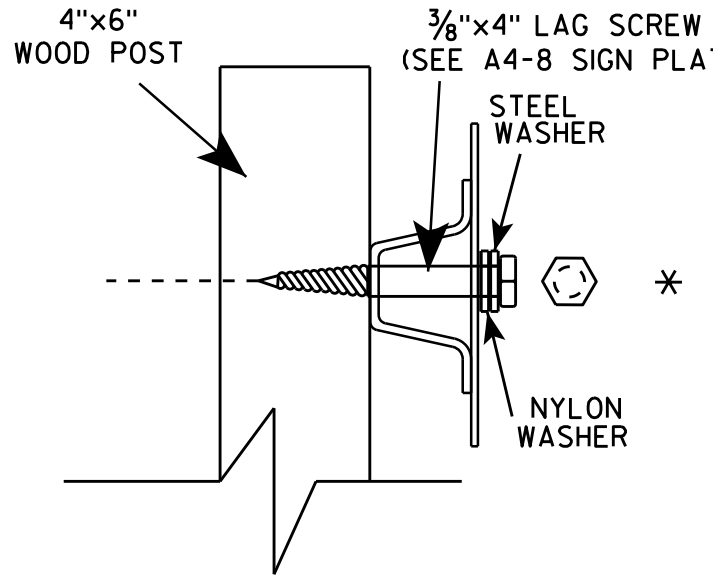


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

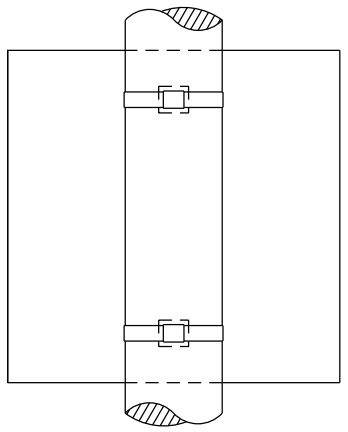
DATE 4/26/16 PLATE NO A4-18.1

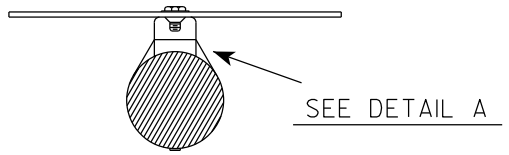
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

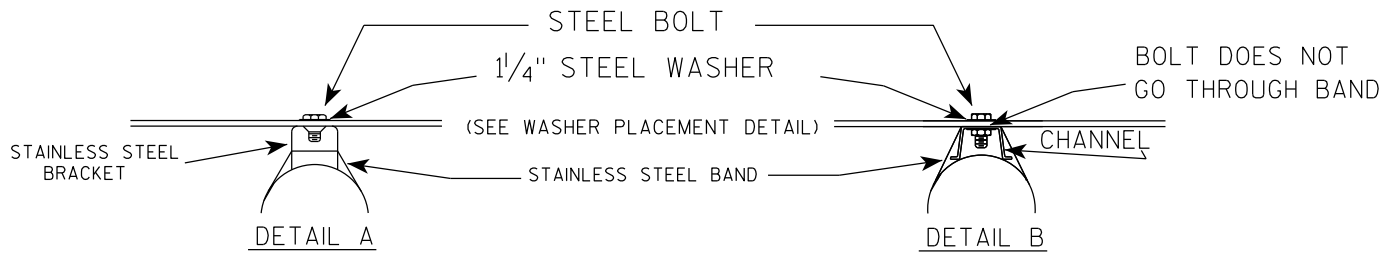
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



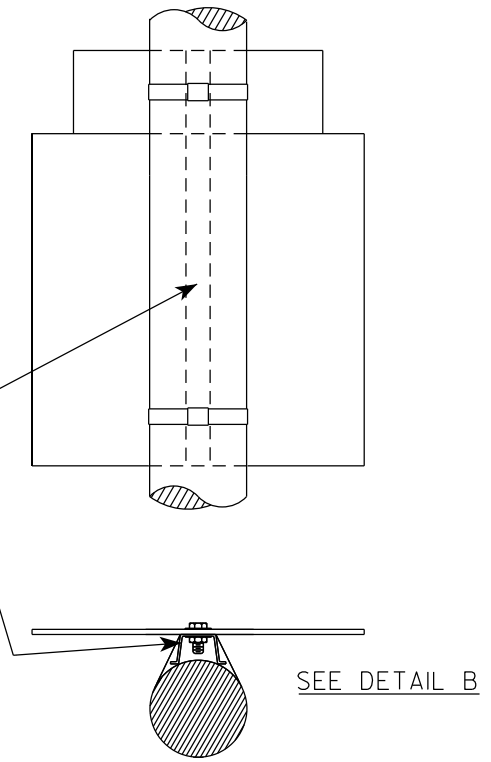




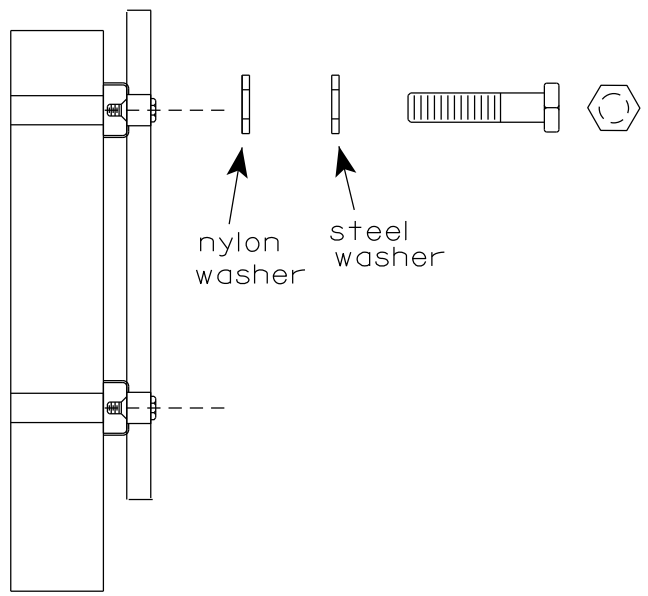
GENERAL NOTES

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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

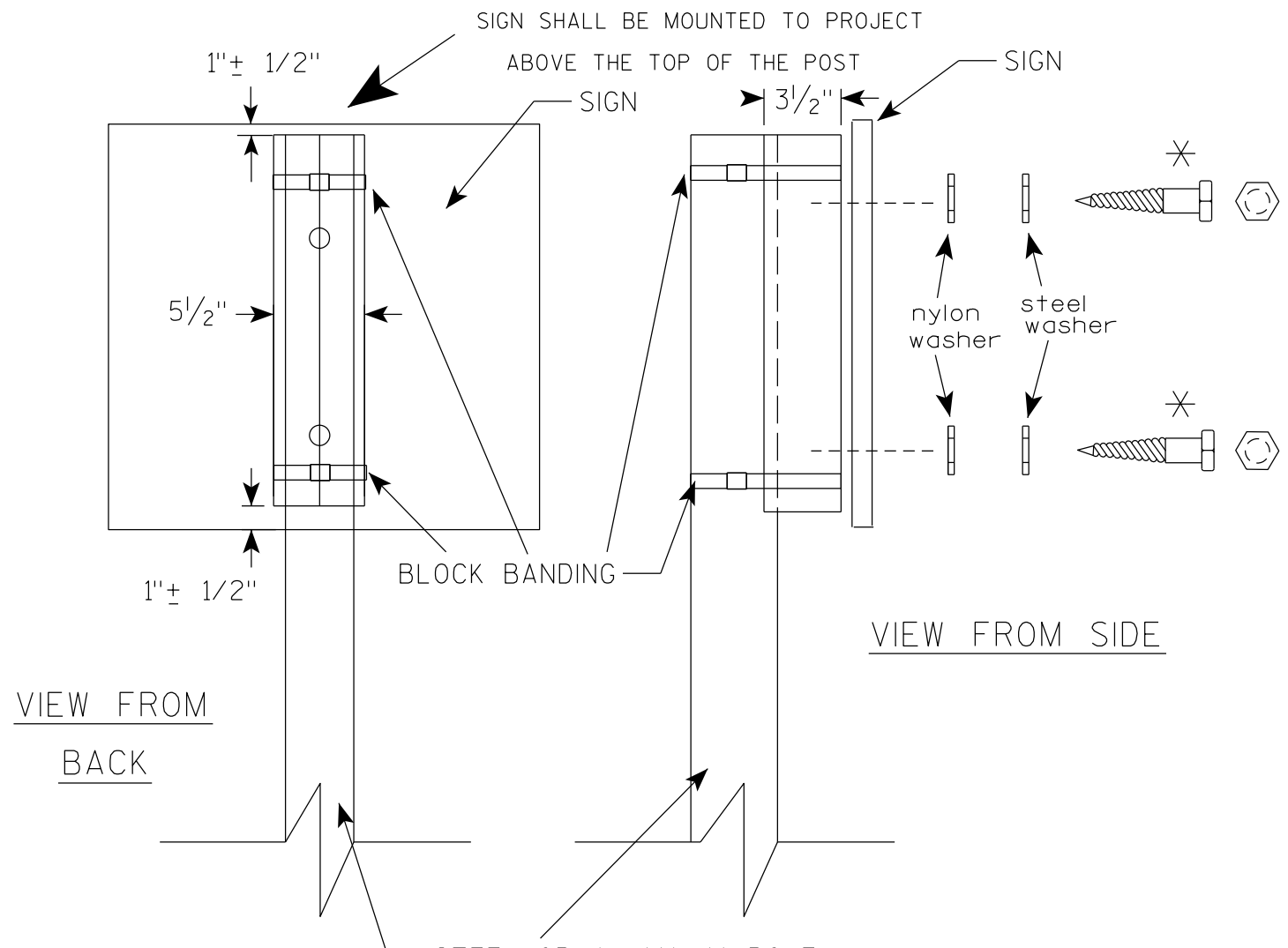
DATE 6/10/19 PLATE NO. A5-9.4

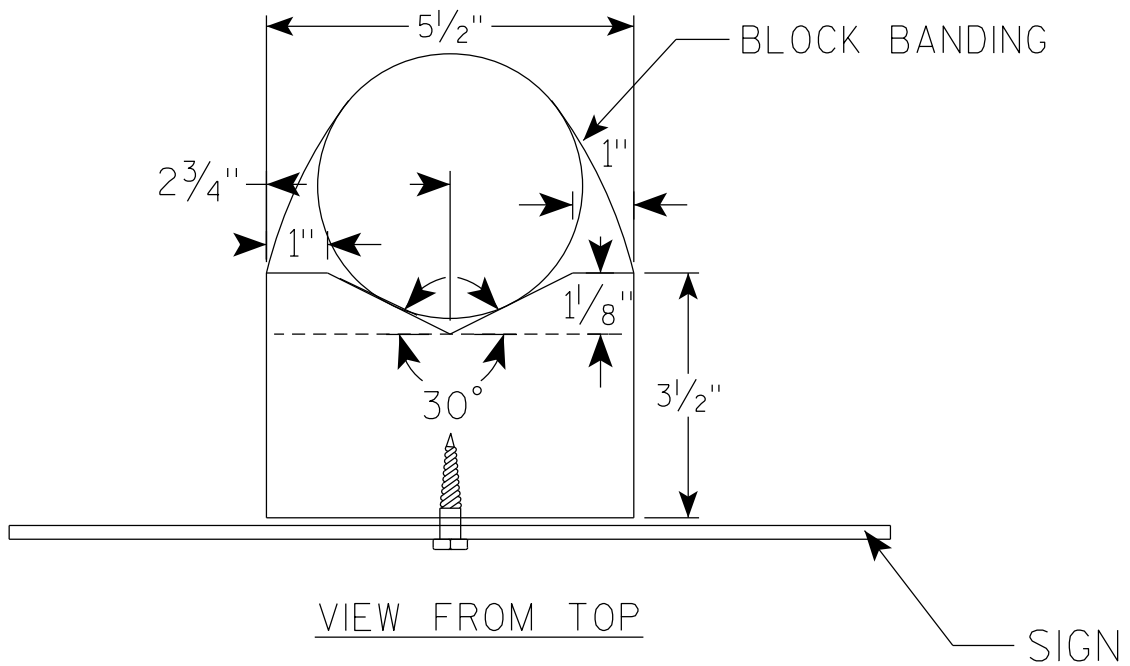
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 279	E

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)

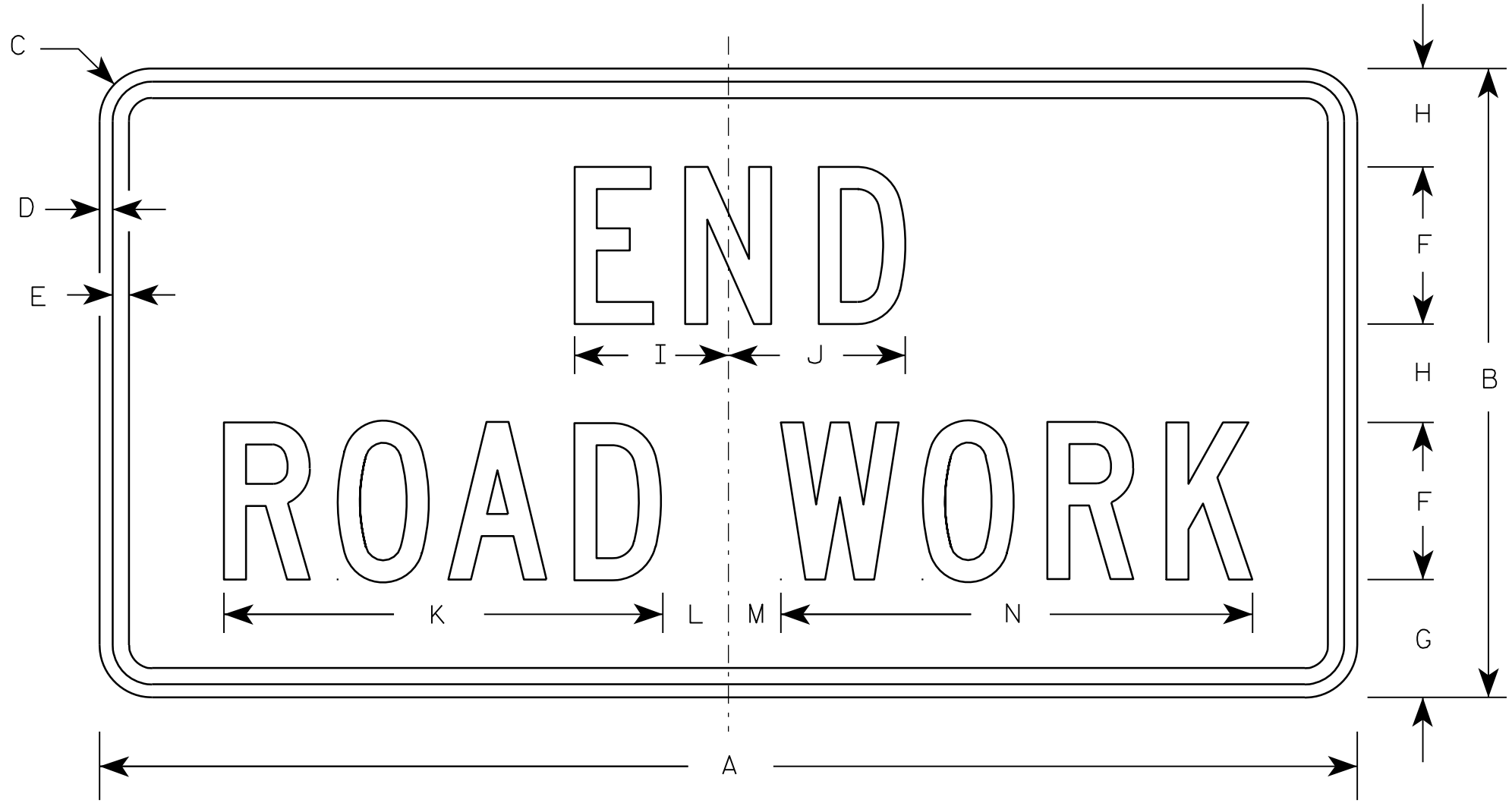
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 280 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

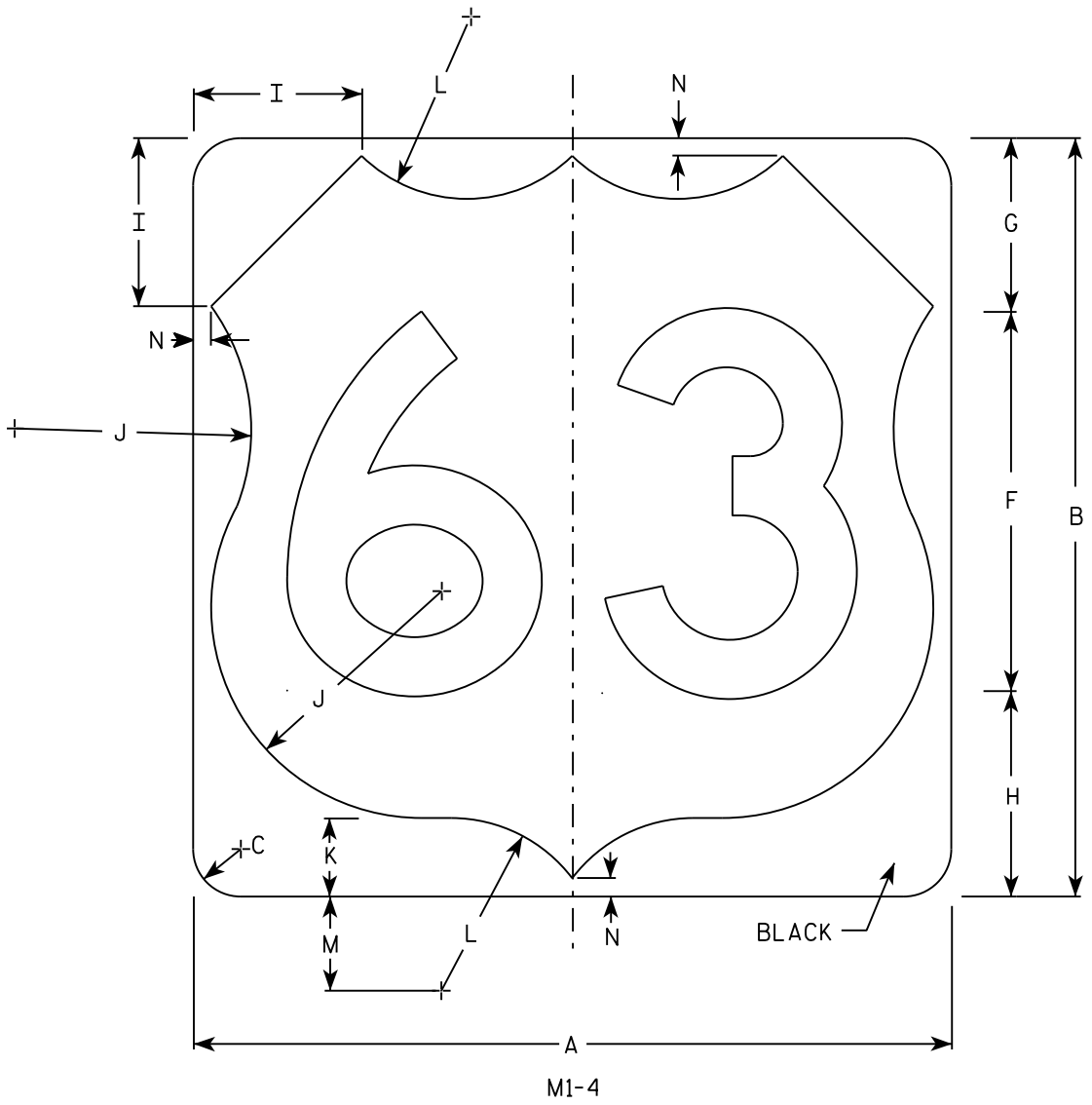
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

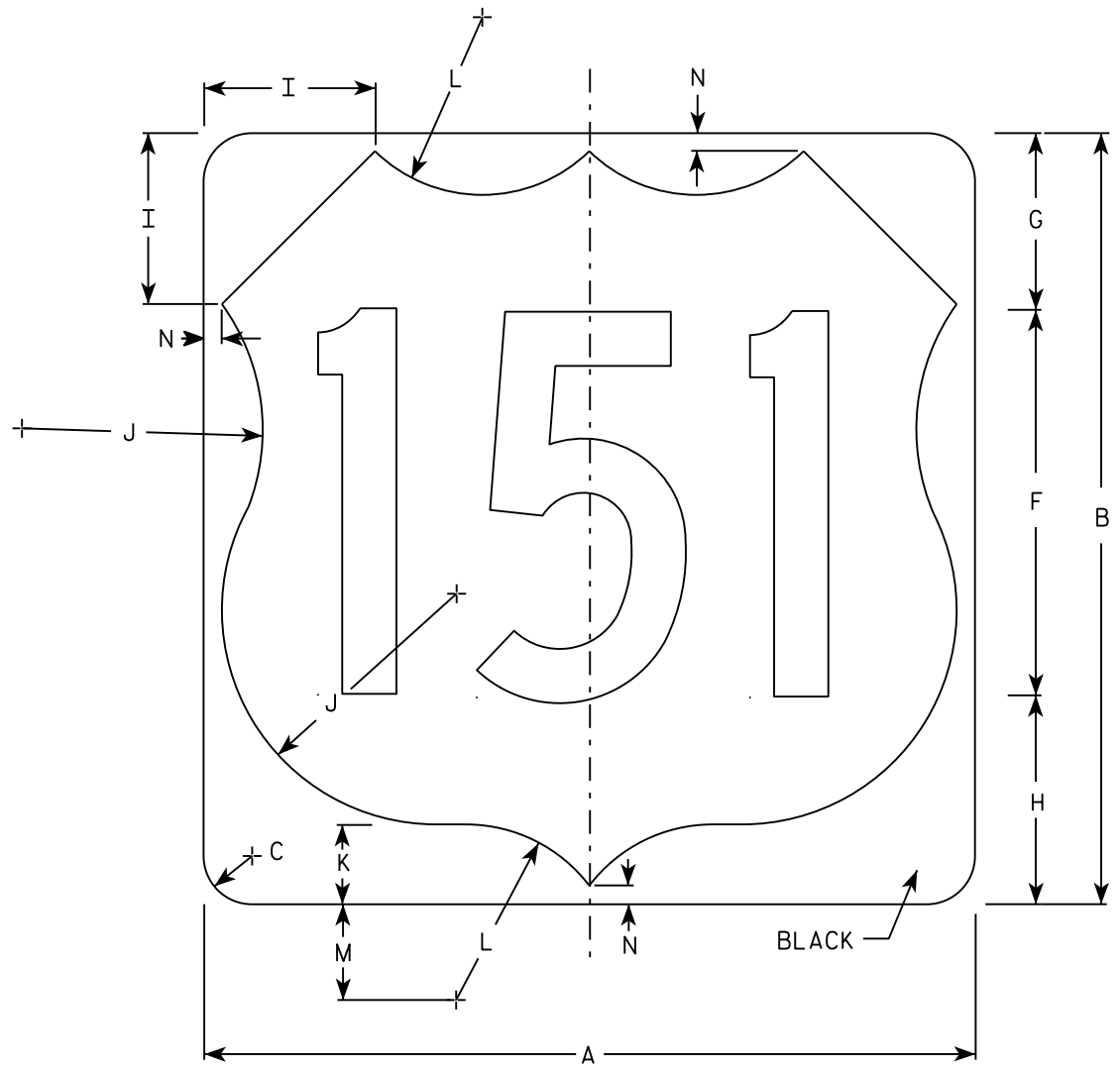
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 281	E

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

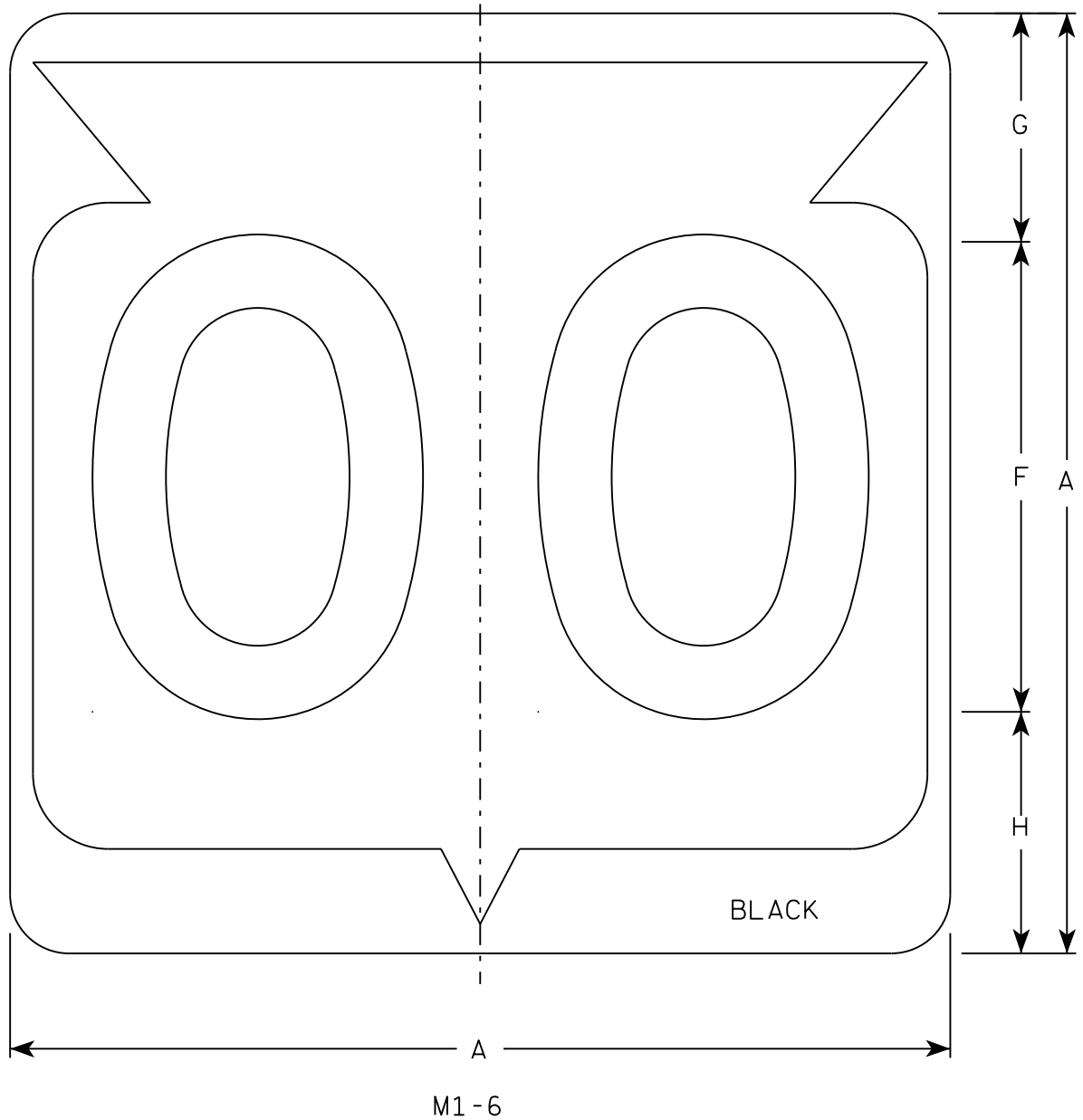
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E

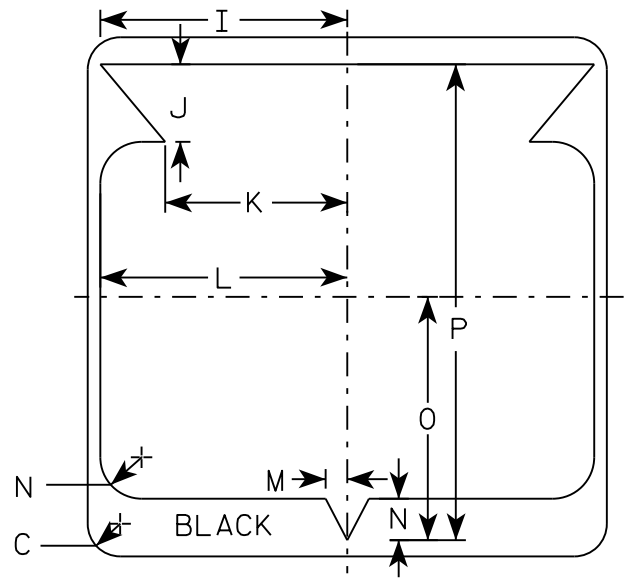
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M14.DGN PLOT DATE : 16-MAR-2018 14:06 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 5.918903:1.000000
WISDOT/CADDS SHEET 42



M1-6

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.



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			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

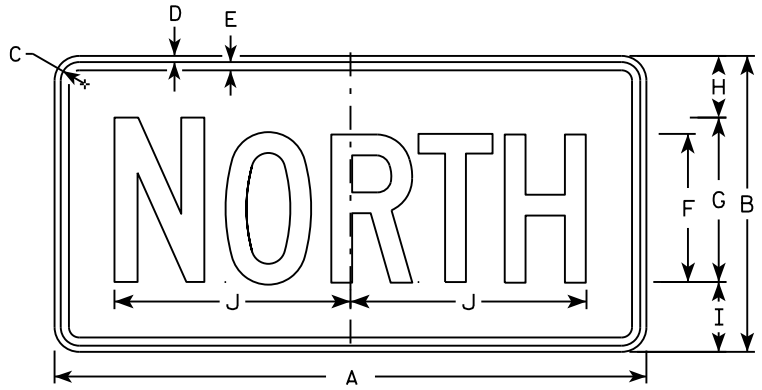
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

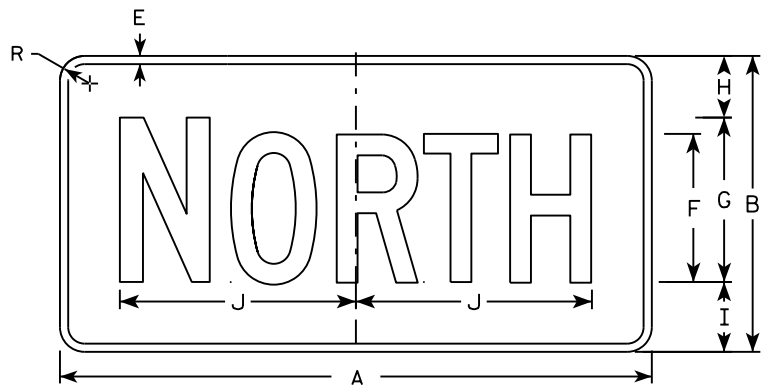
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

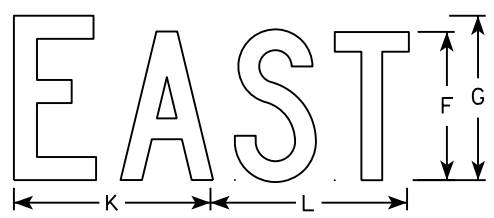
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 | E



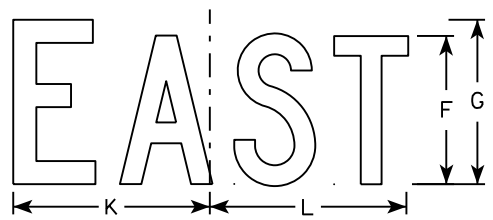
M3-1
MM3-1
MP3-1



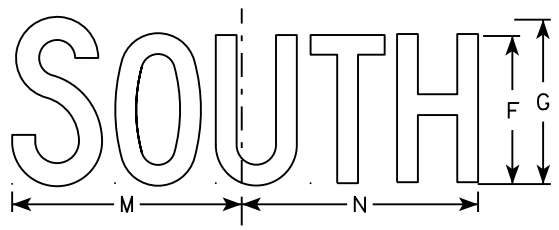
MB3-1
MK3-1
MN3-1



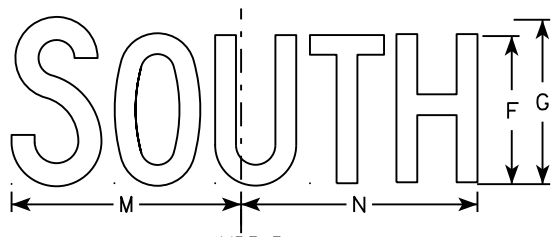
M3-2
MM3-2
MP3-2



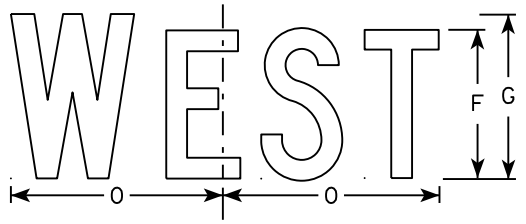
MB3-2
MK3-2
MN3-2



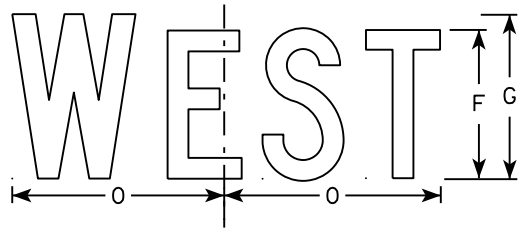
M3-3
MM3-3
MP3-3



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

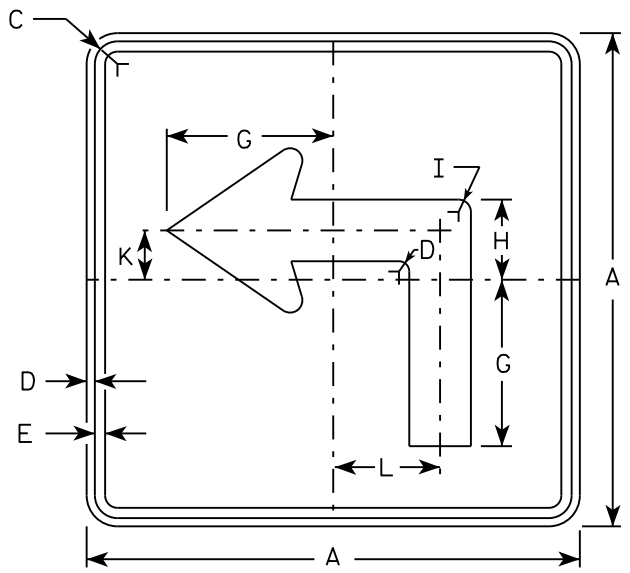
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

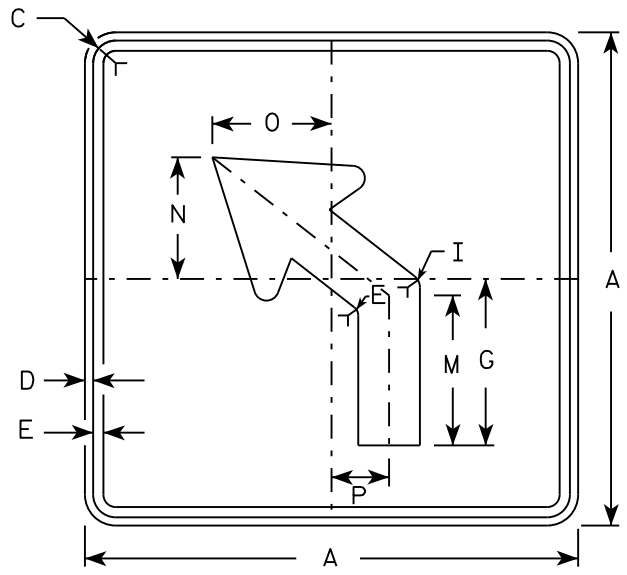
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

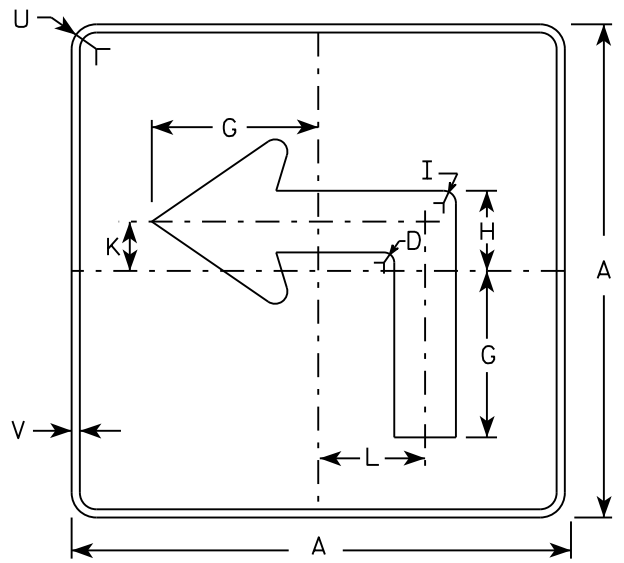
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



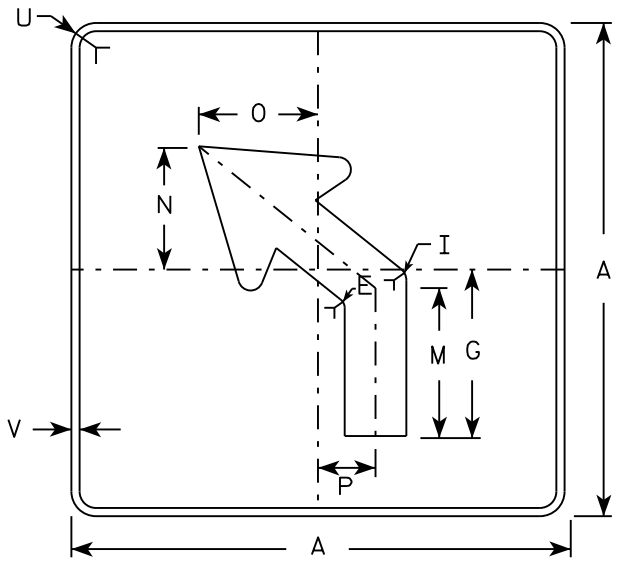
M5-1L
MM5-1L
MO5-1L
MP5-1L



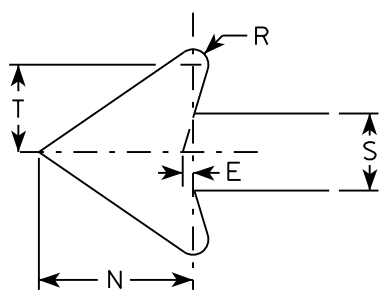
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

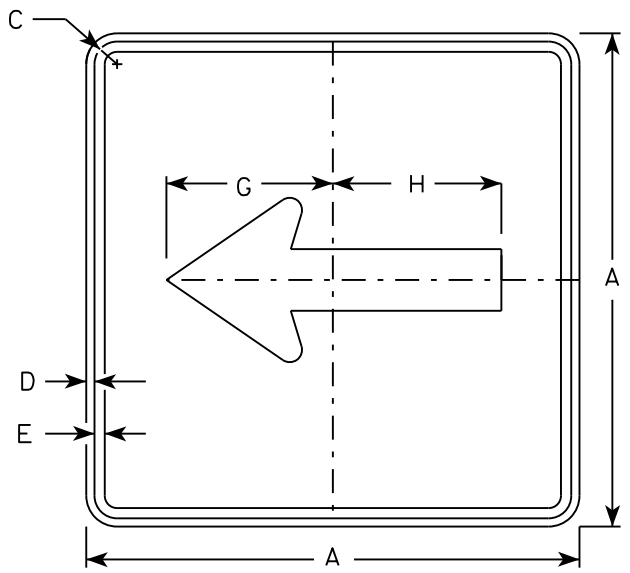
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

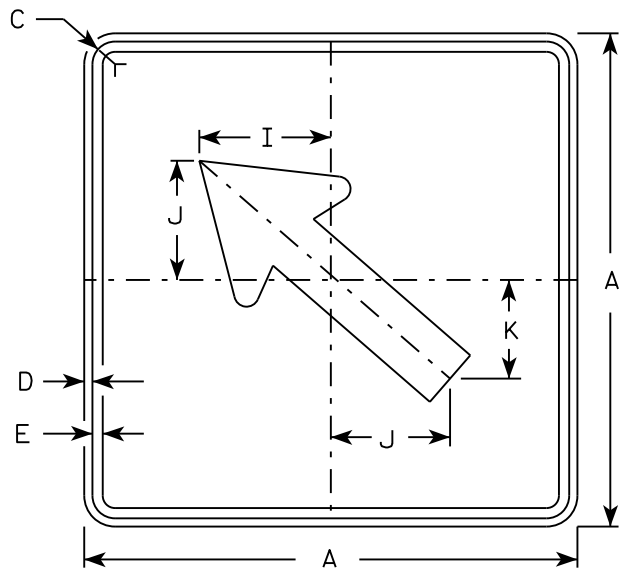
DATE 10/15/15 PLATE NO. M5-1.13

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



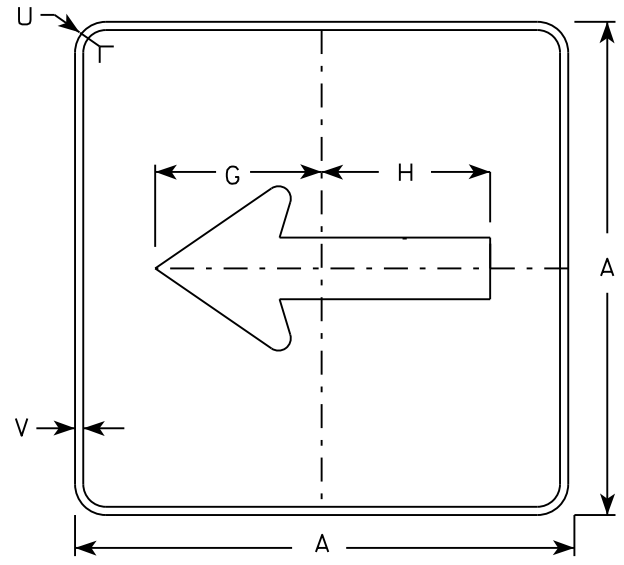
M6-1
MM6-1
MO6-1
MP6-1



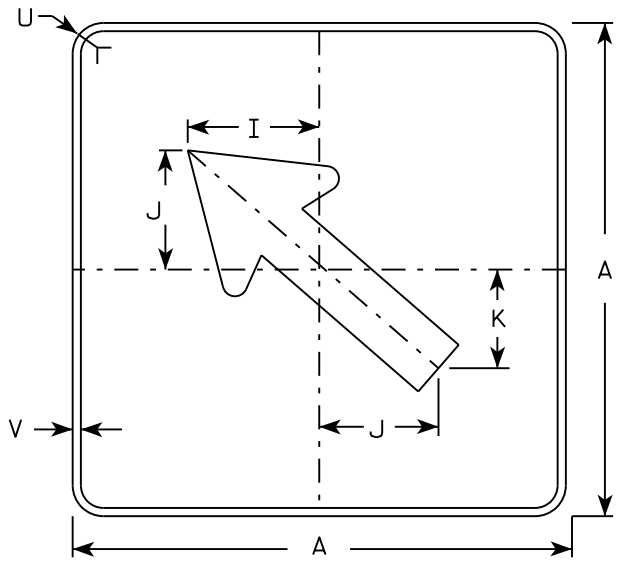
M6-2
MM6-2
MO6-2
MP6-2

NOTES

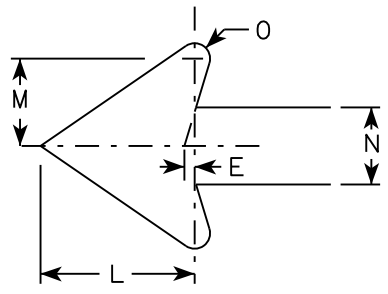
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

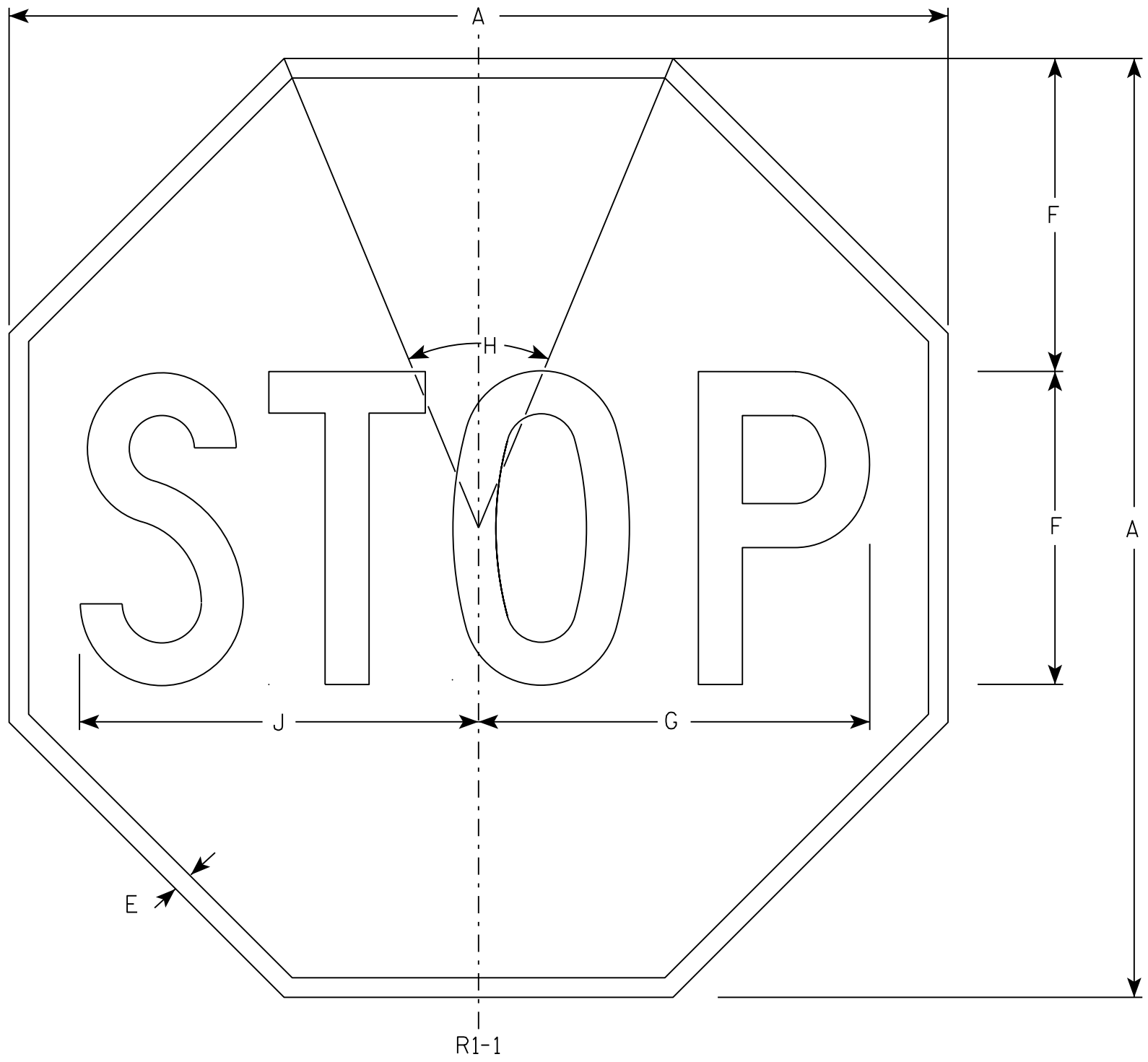
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 286 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

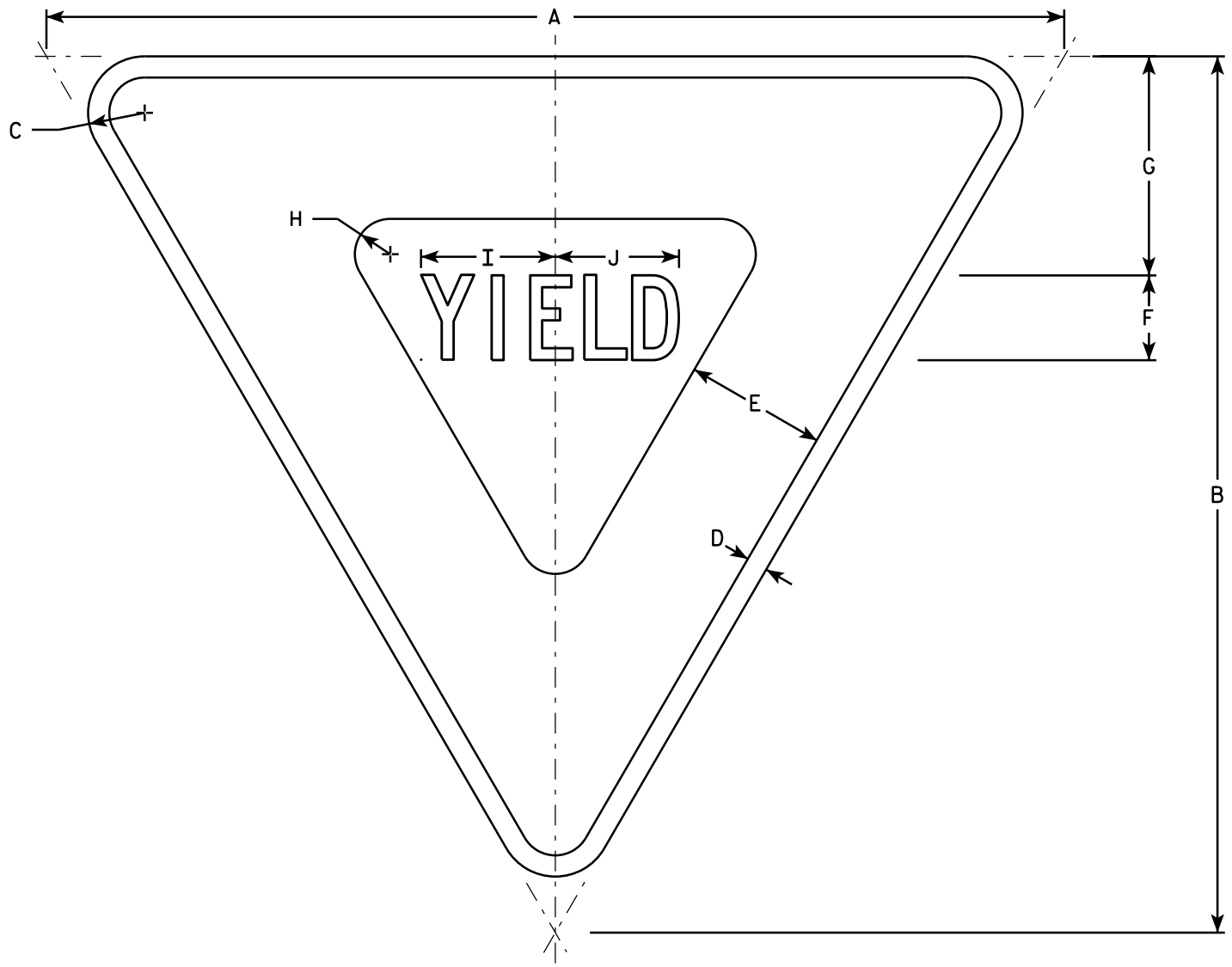
STANDARD SIGN
R1-1

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: 287	E



R1-2

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 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. The border strip and word message are reflectorized red.

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	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

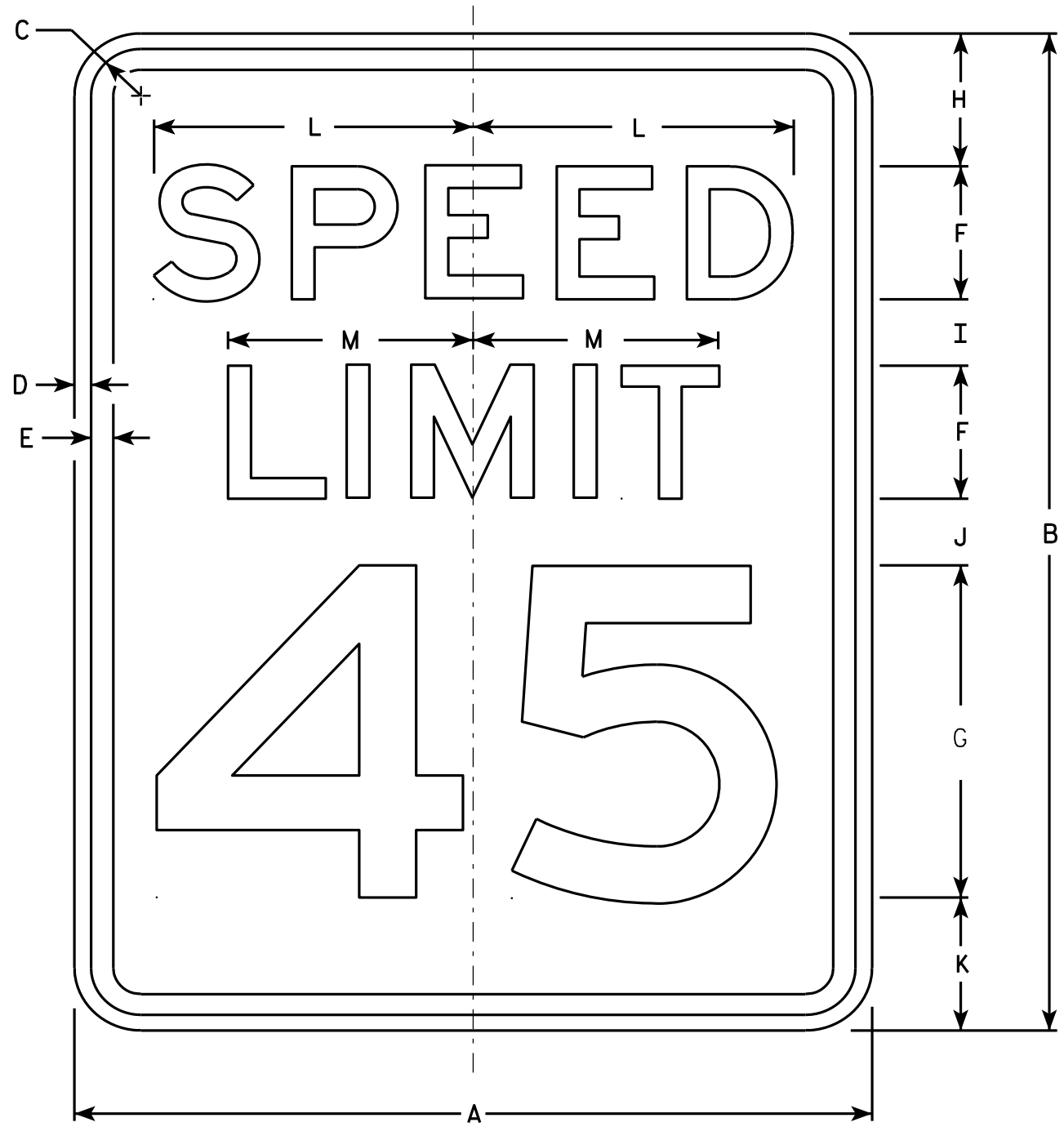
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



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

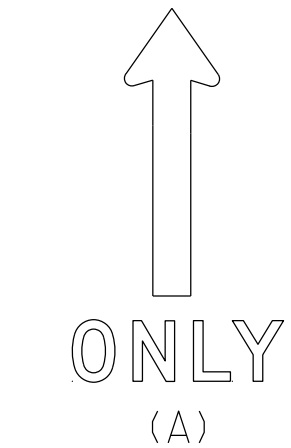
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

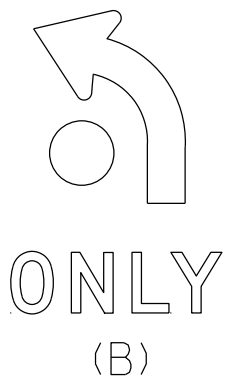
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

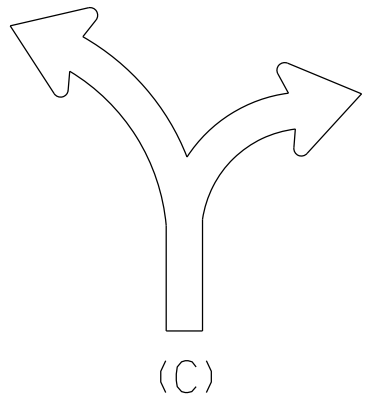
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E

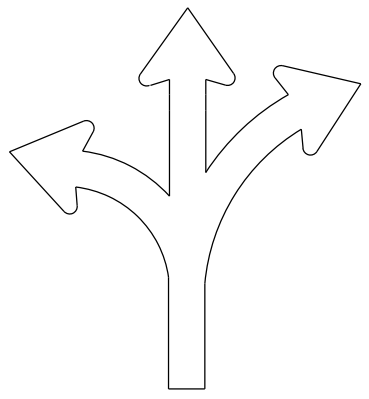


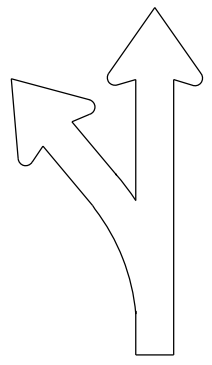
(A)

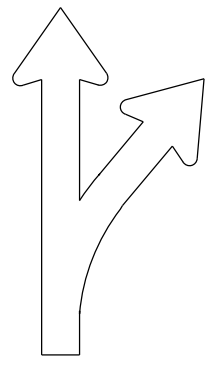


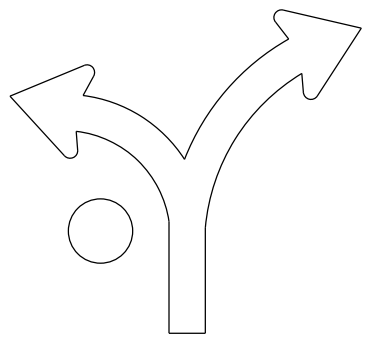
(B)

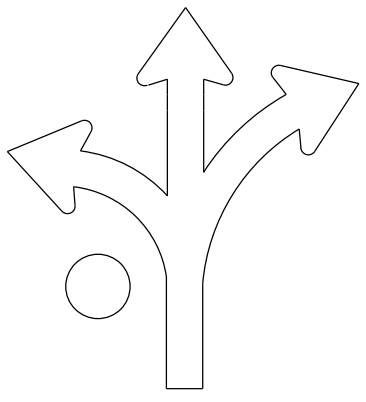

(C)

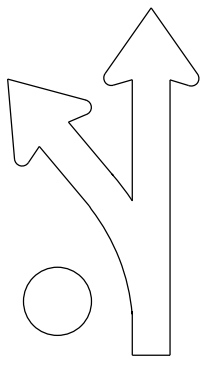

(D)


(E)


(F)

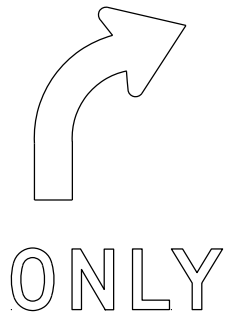

(G)


(H)

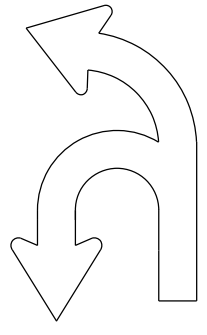

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

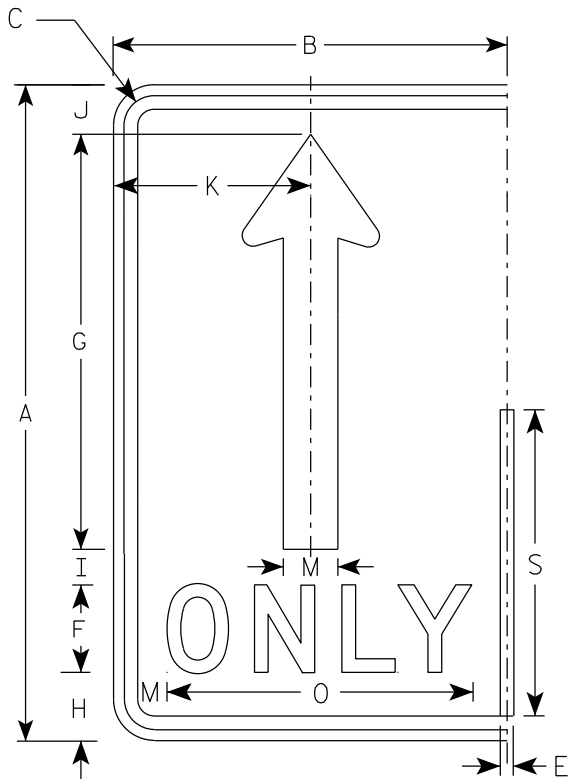
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

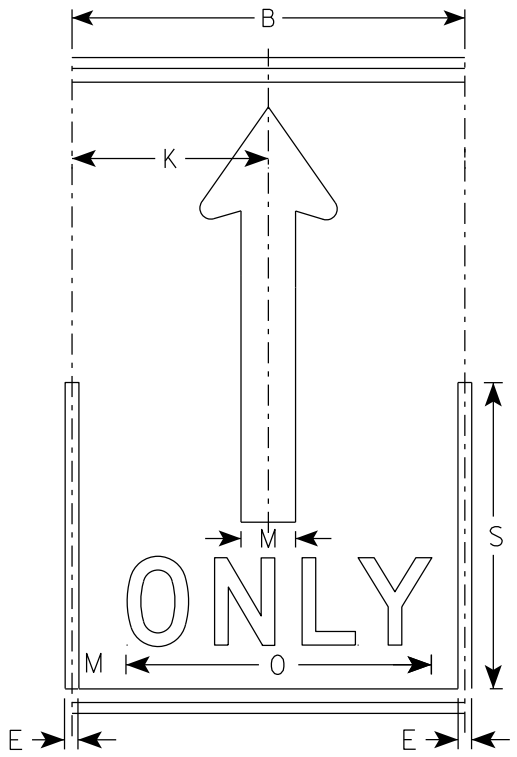
DATE 5/21/19 PLATE NO. R3-8.1

NOTES

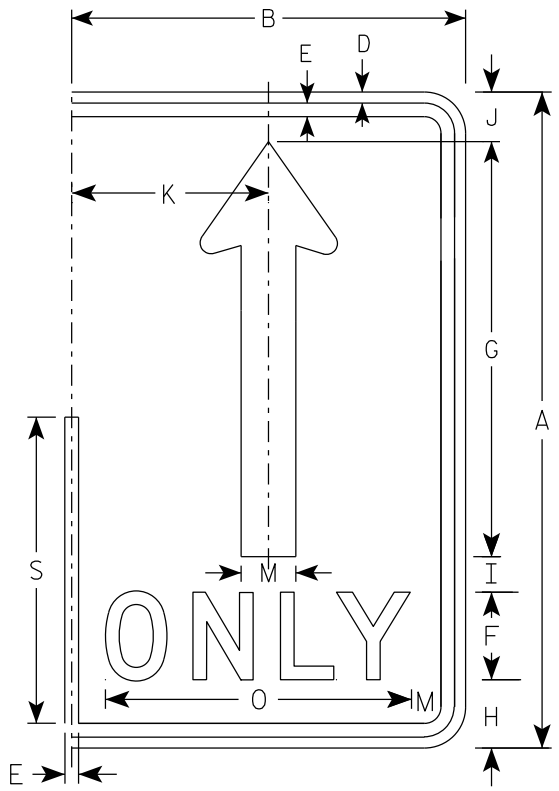
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



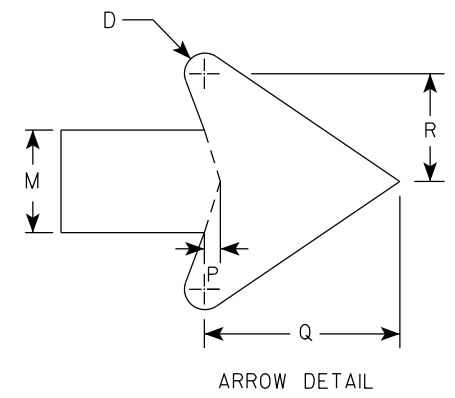
(A)



(A)



(A)



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	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

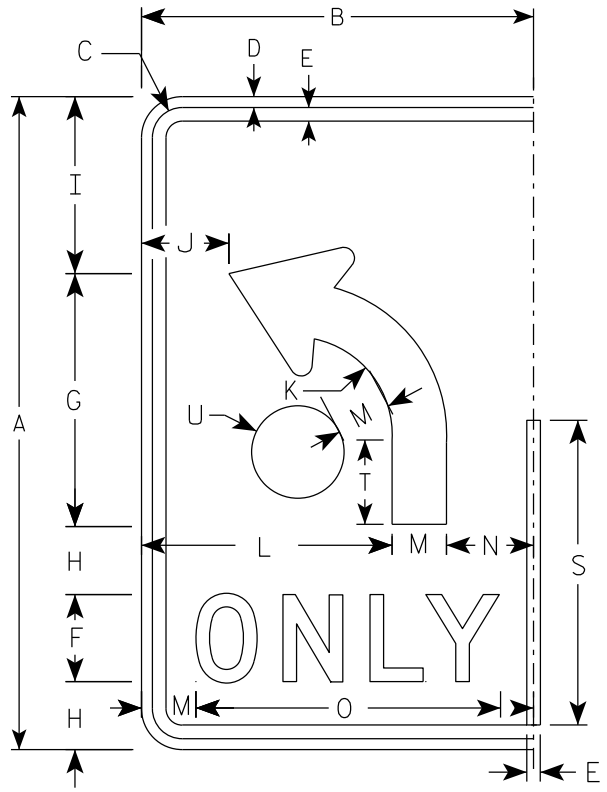
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

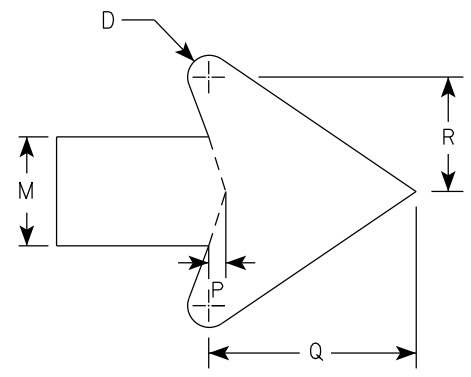
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



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	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

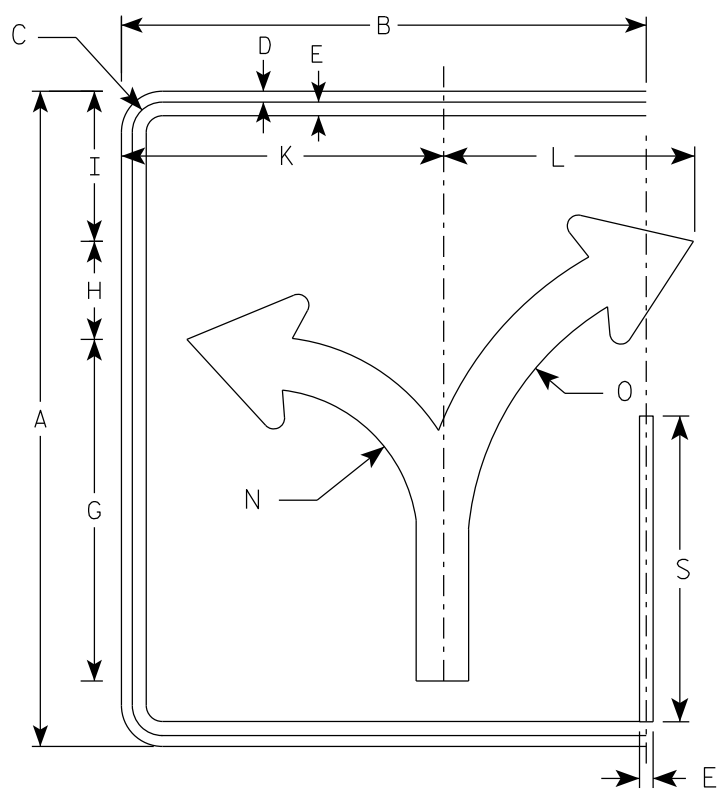
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

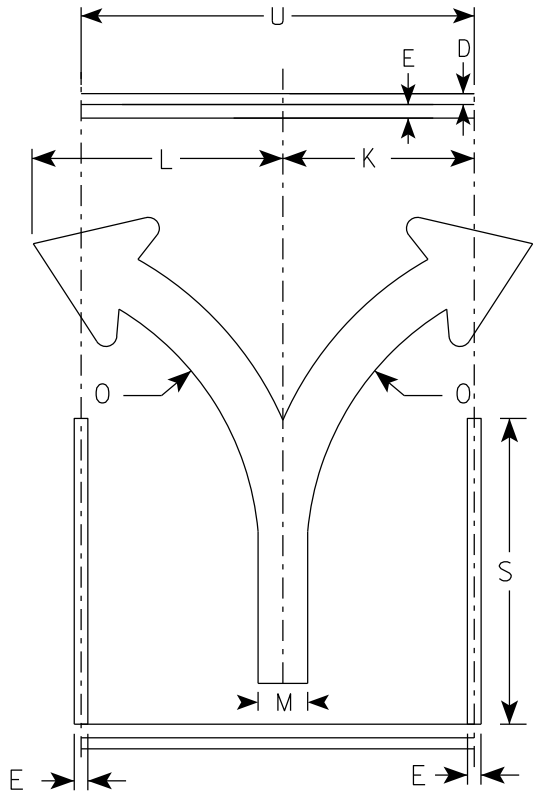
SHEET NO: 292 E

NOTES

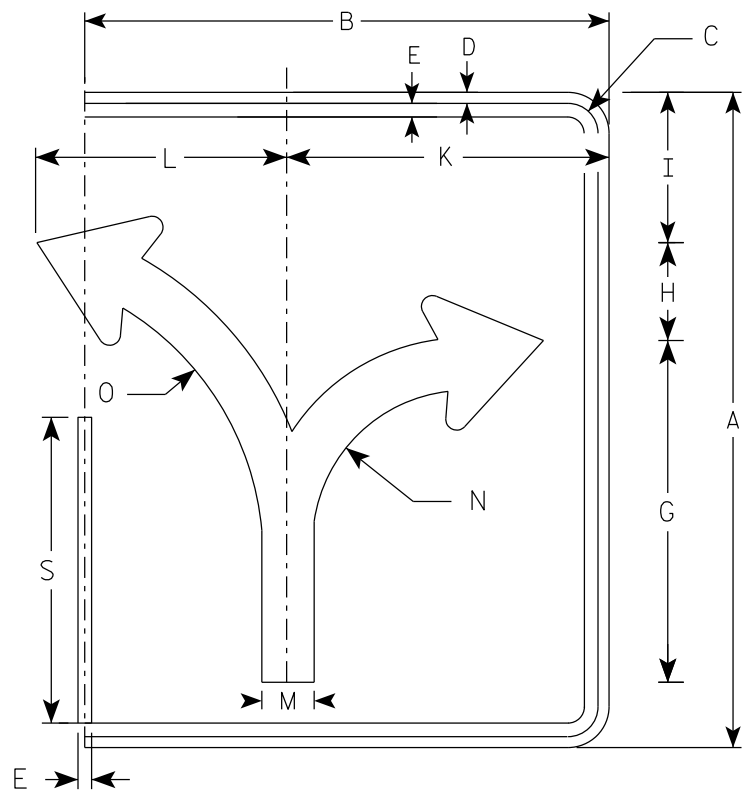
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



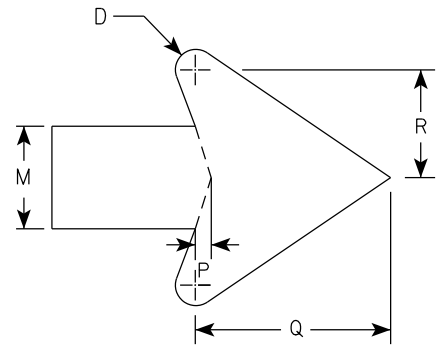
(C)



(C)



(C)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

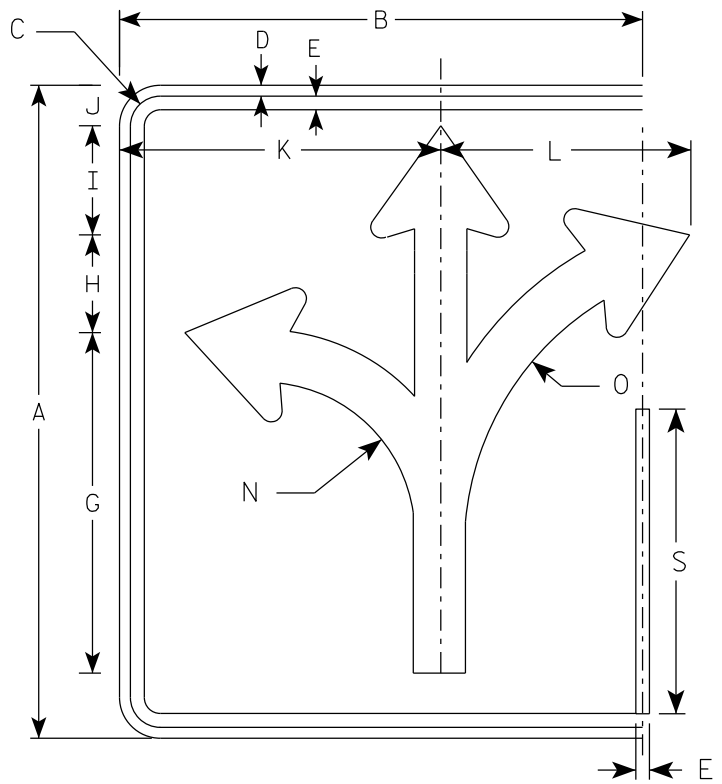
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

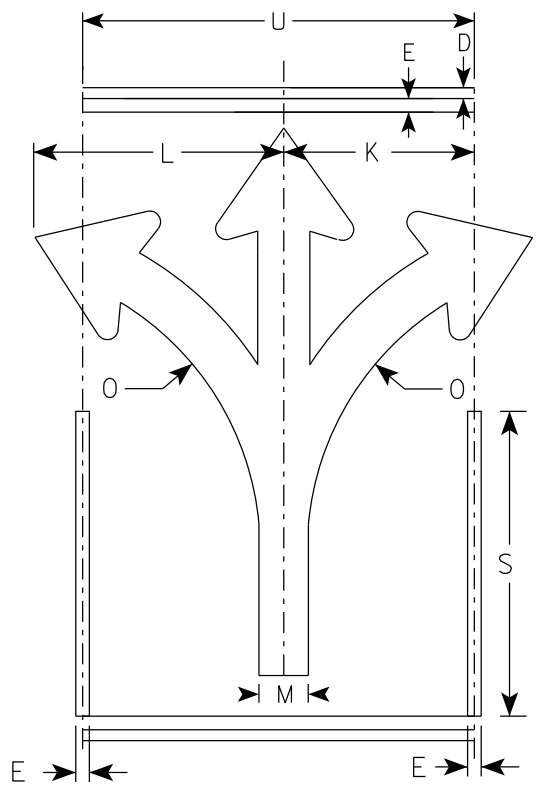
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 293 | E

NOTES

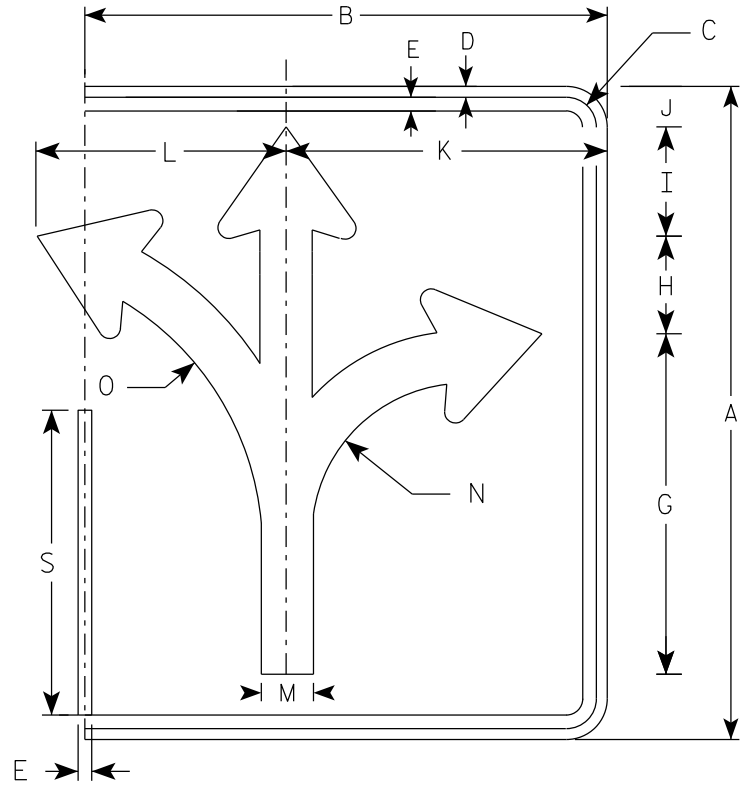
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



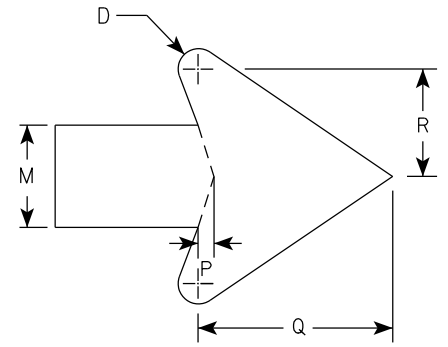
(D)



(D)



(D)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

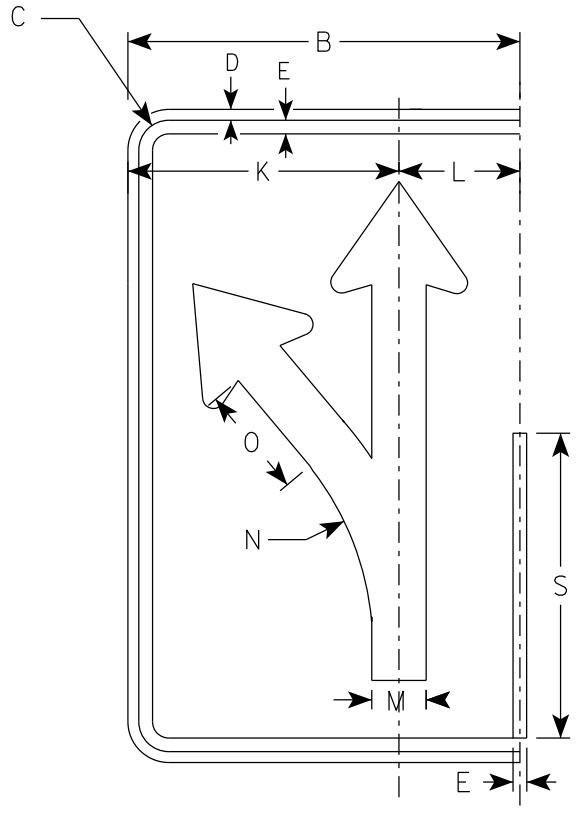
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

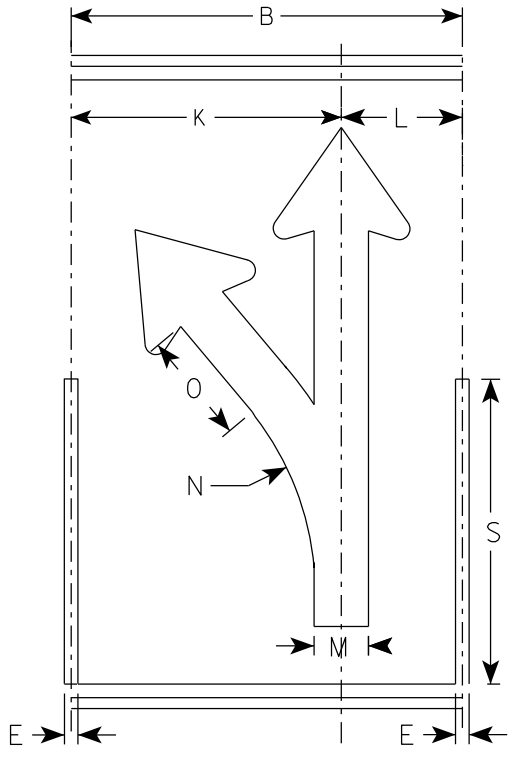
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E

NOTES

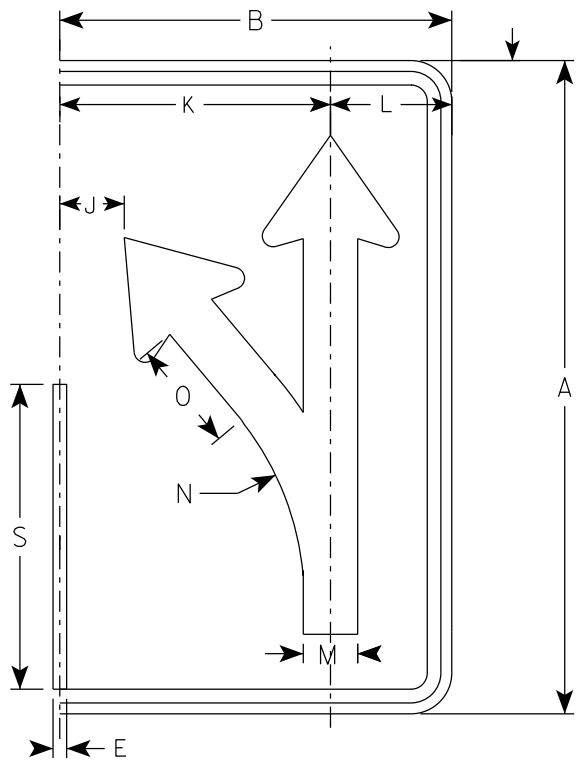
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



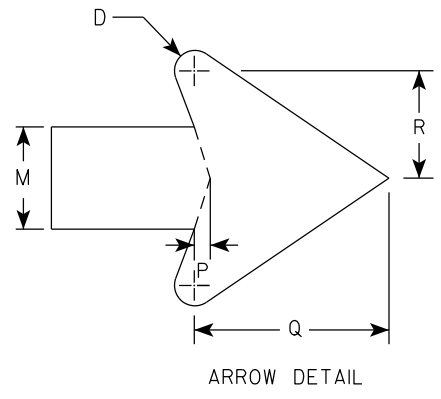
(E)



(E)



(E)



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	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

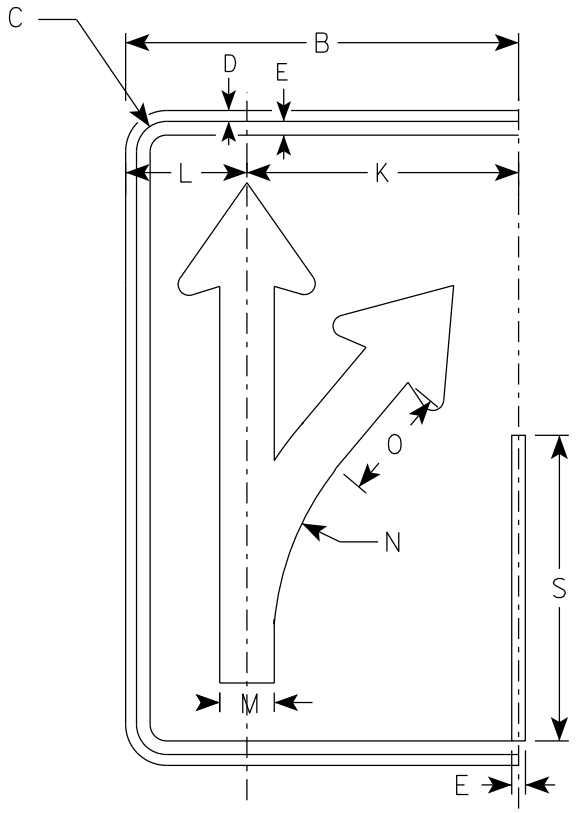
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

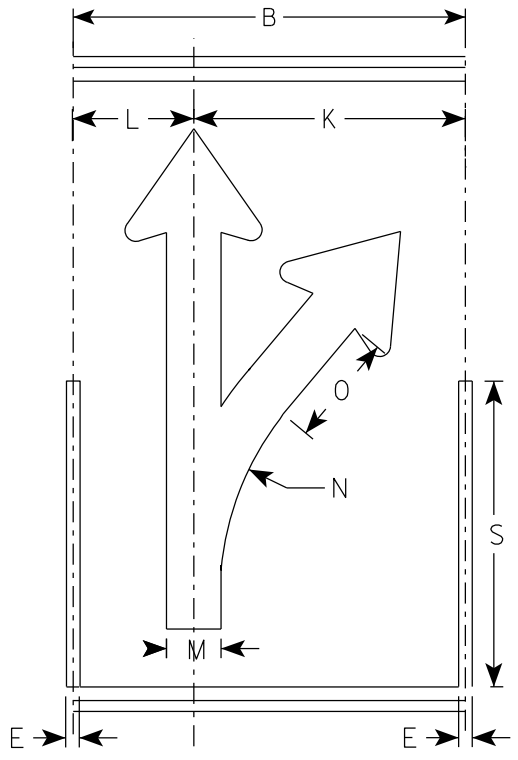
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E

NOTES

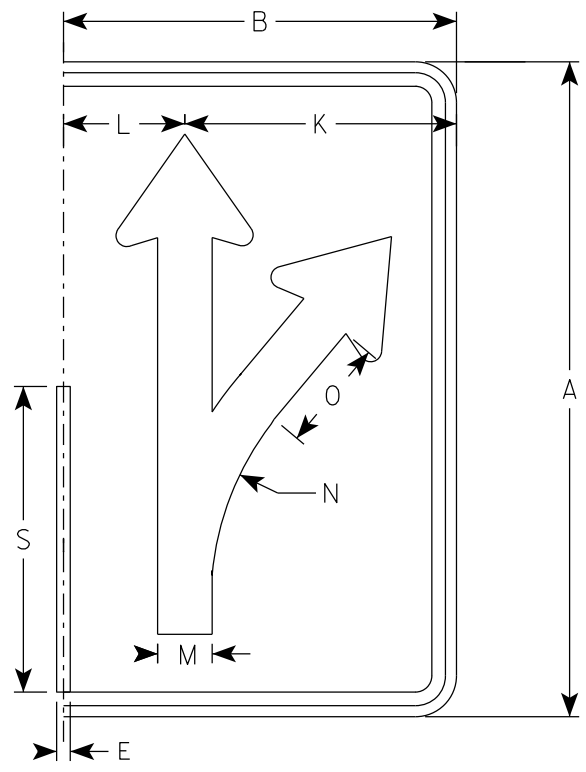
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



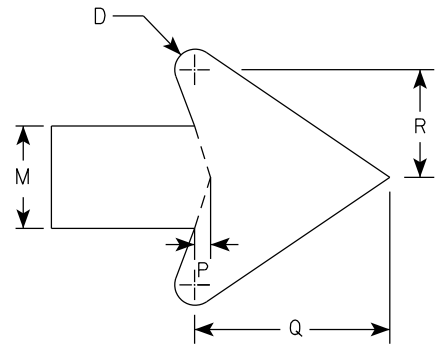
(F)



(F)



(F)



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	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

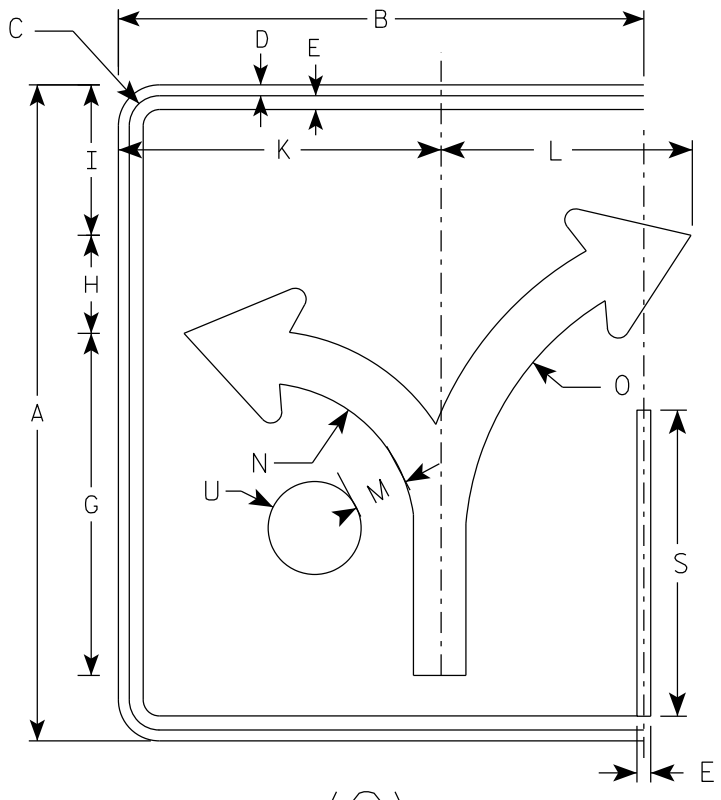
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

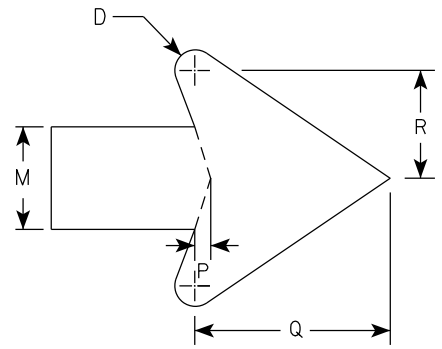
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



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	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

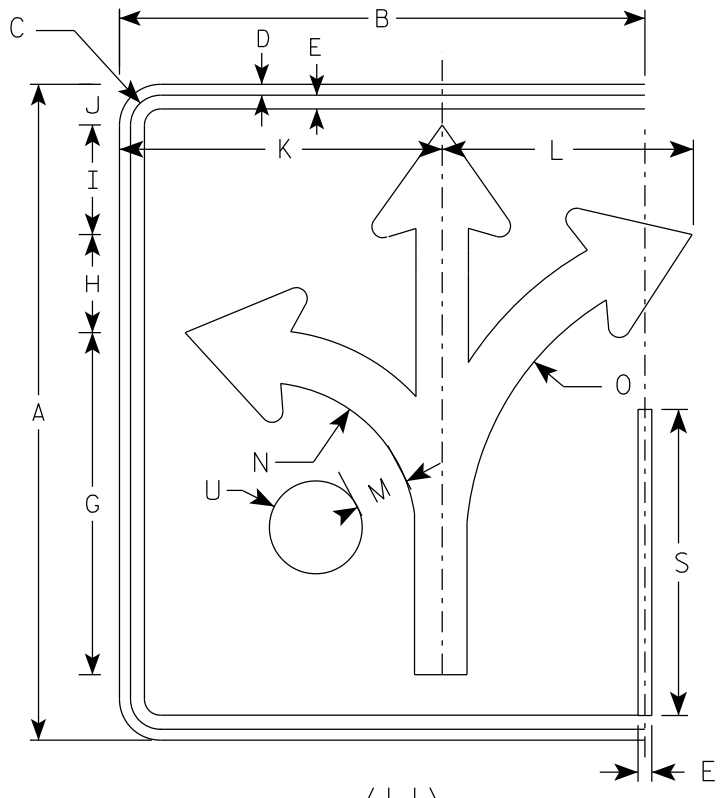
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

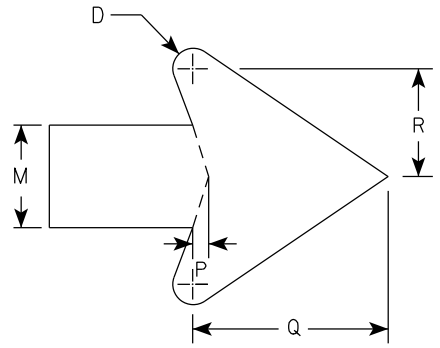
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



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	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

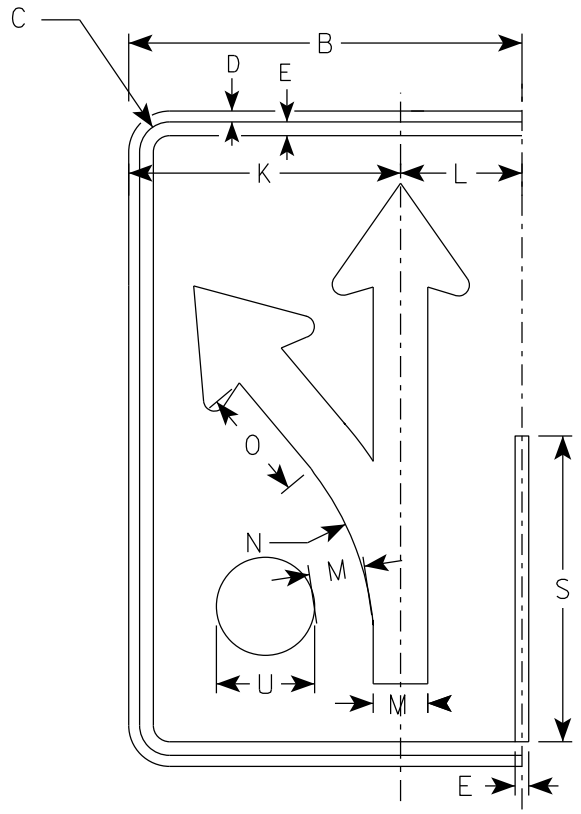
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

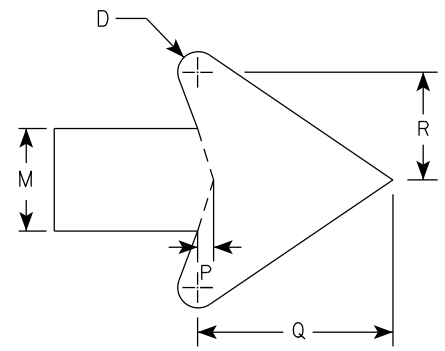
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



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	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

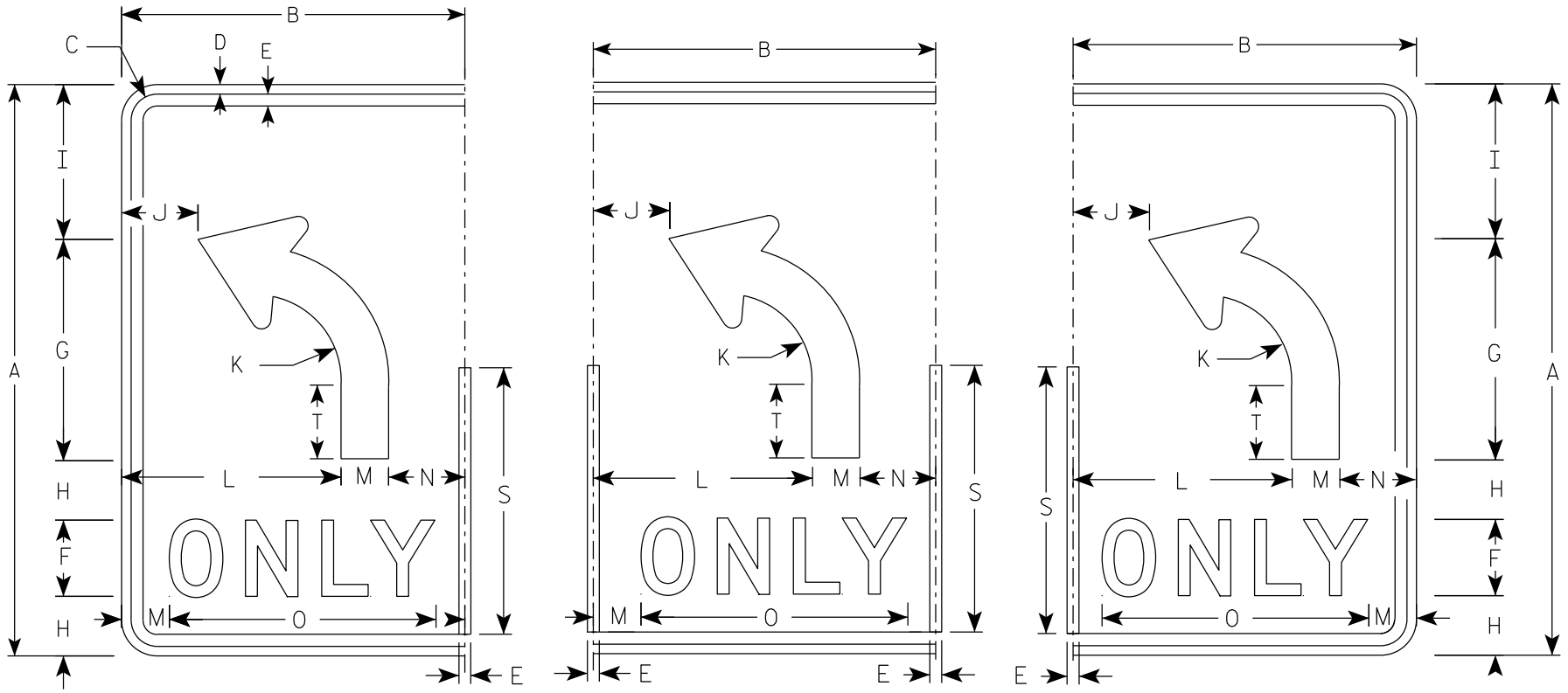
APPROVED Matthew R Rauch
For State Traffic Engineer

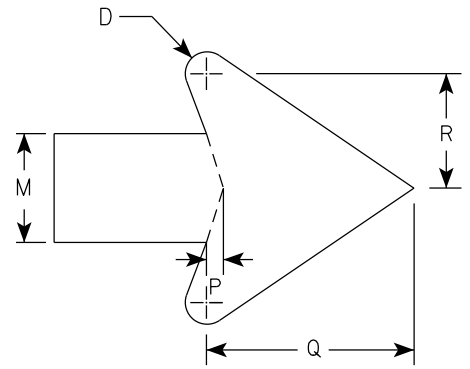
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D





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	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

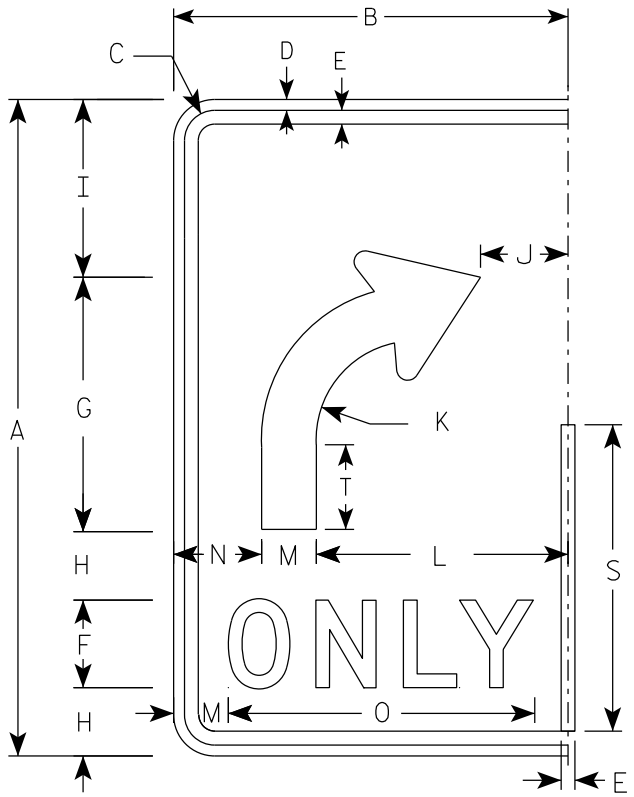
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

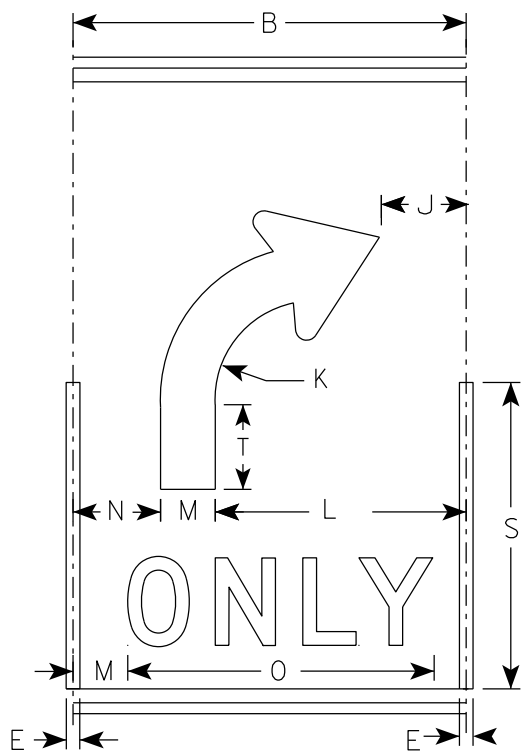
SHEET NO: 300 E

NOTES

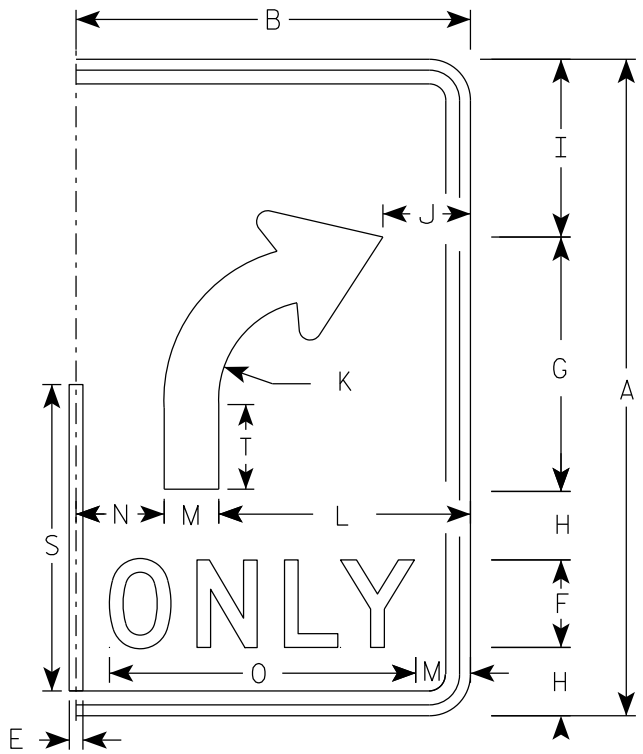
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



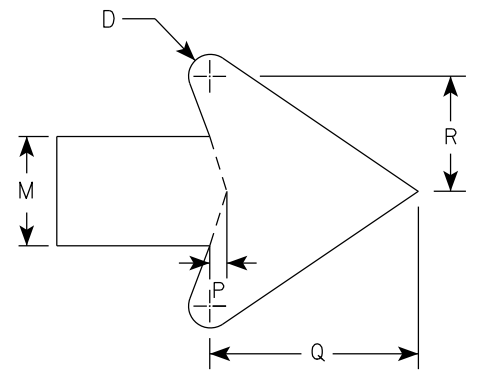
(R)



(R)



(R)



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	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

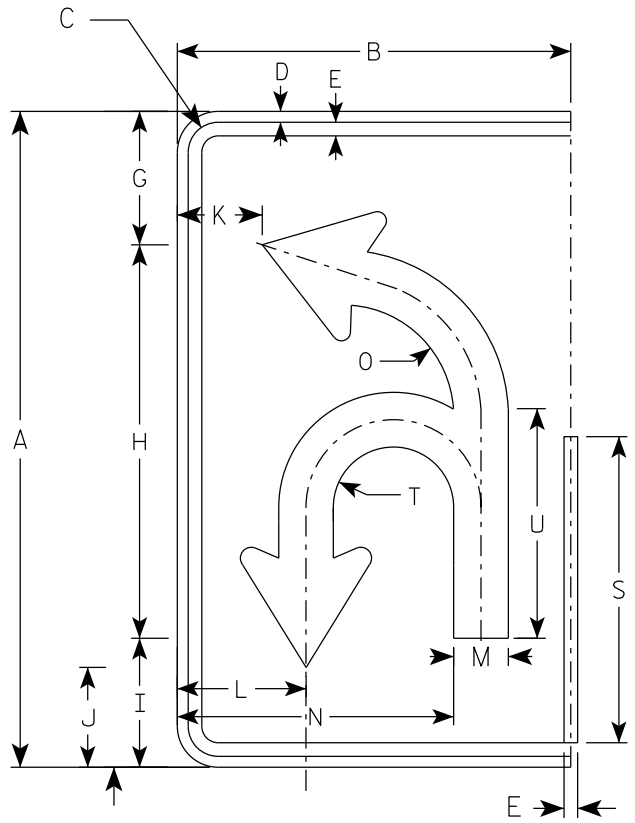
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

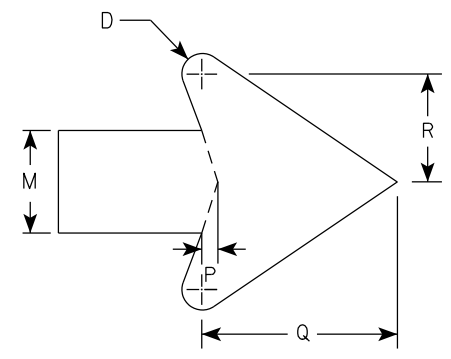
SHEET NO: 301 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



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	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

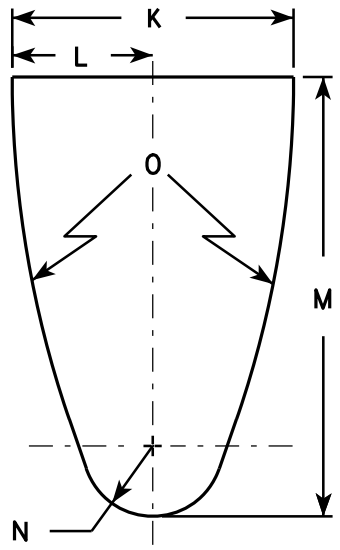
STANDARD SIGN
R3-8 (U) Arrow

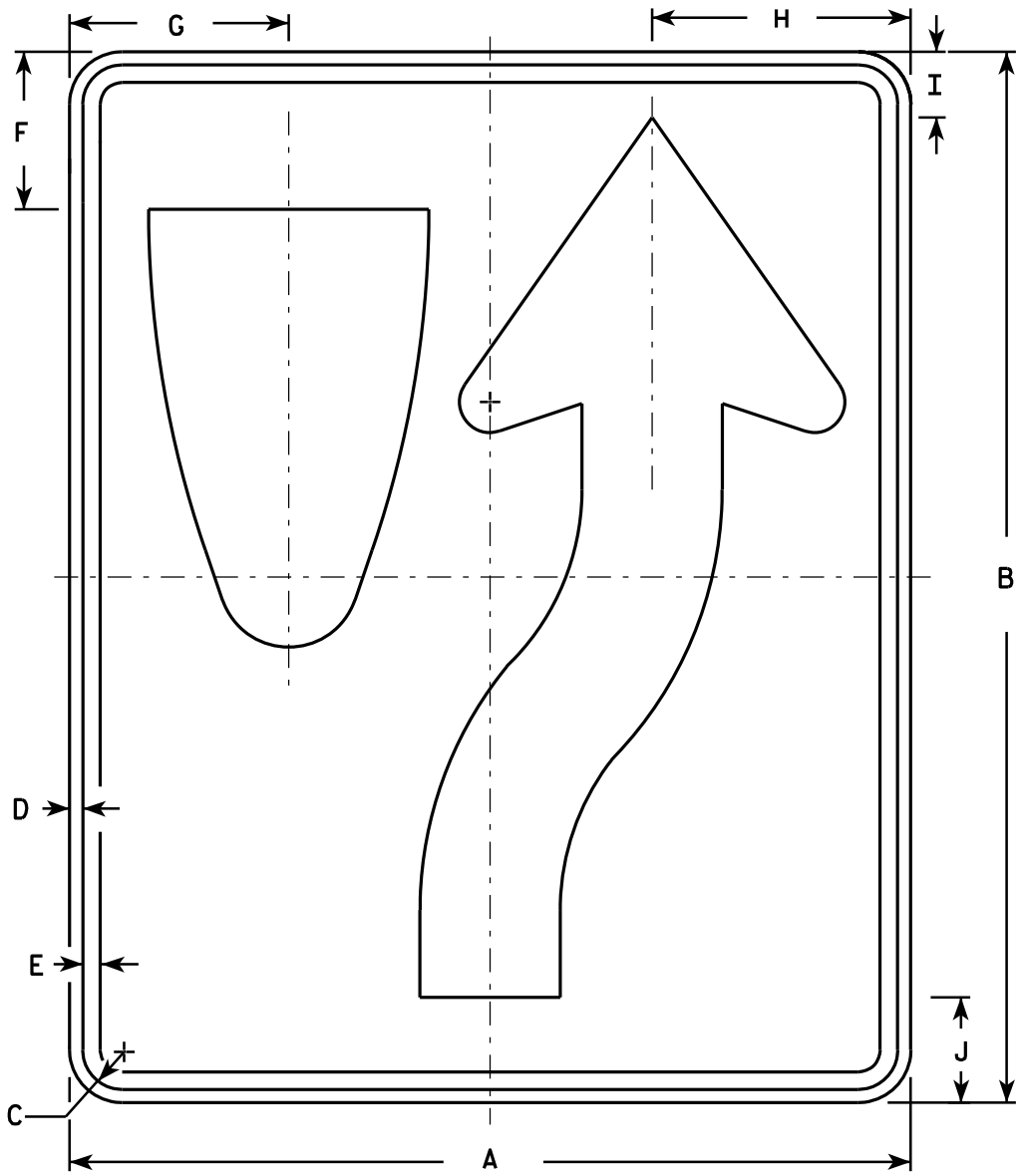
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E

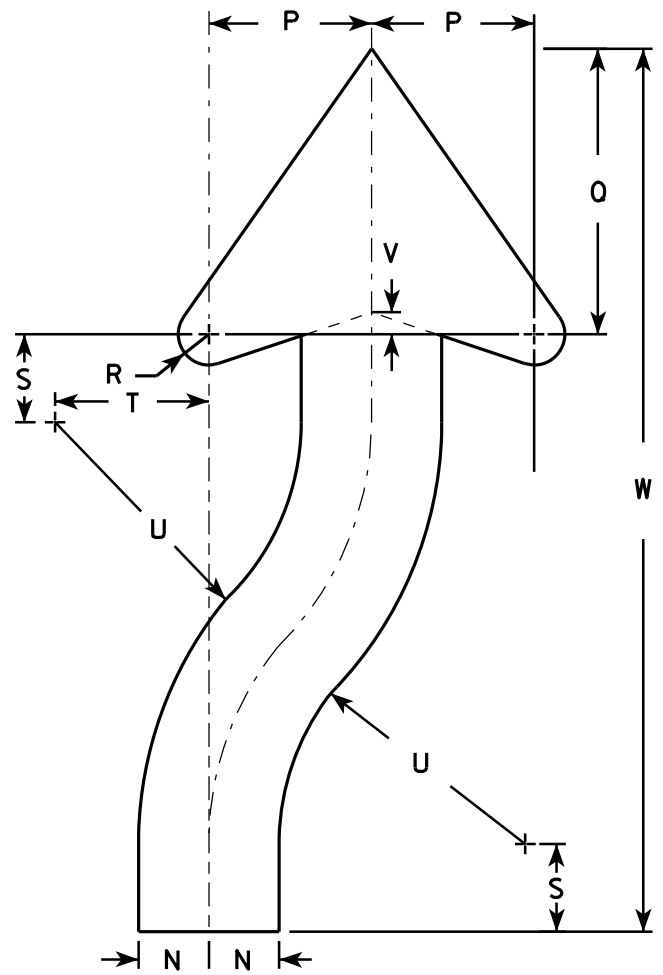




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

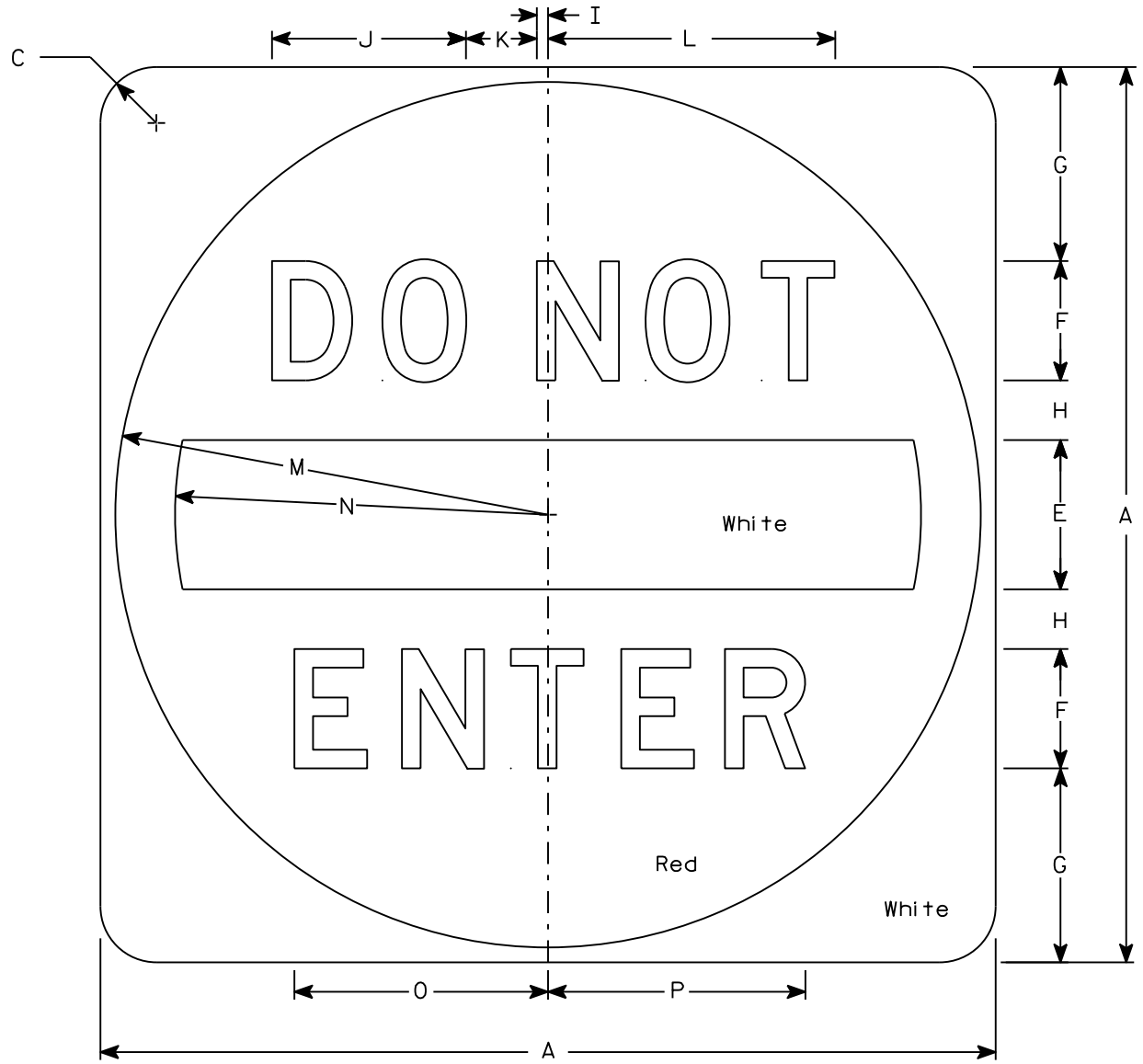
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 303	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

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		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

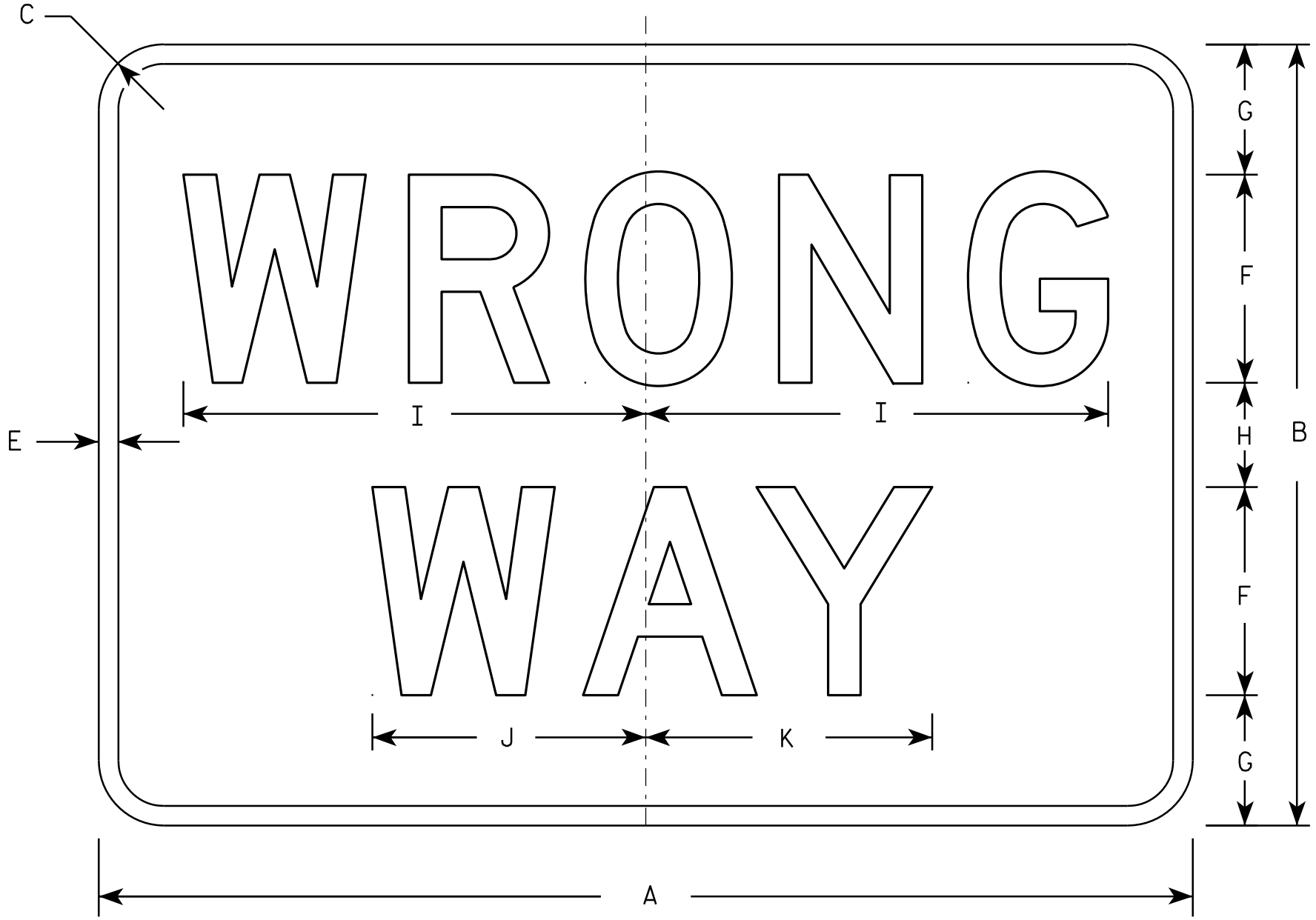
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E



R5-1A

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 - 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.

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	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

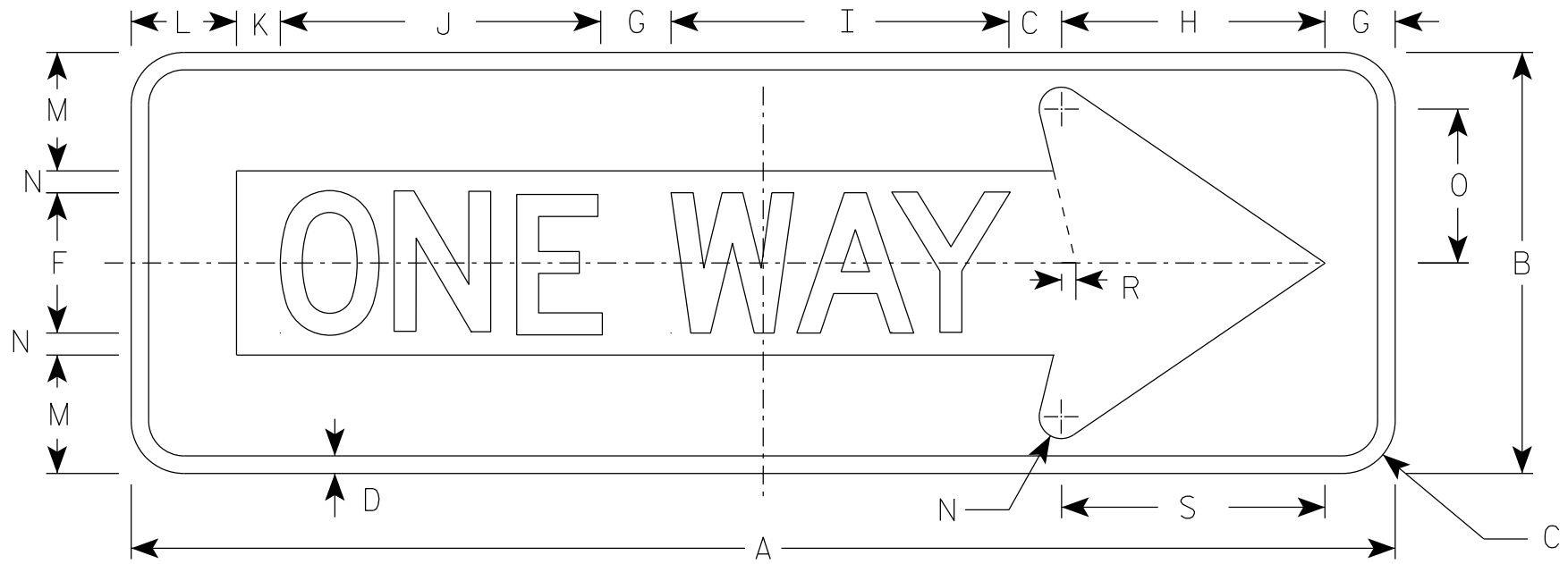
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

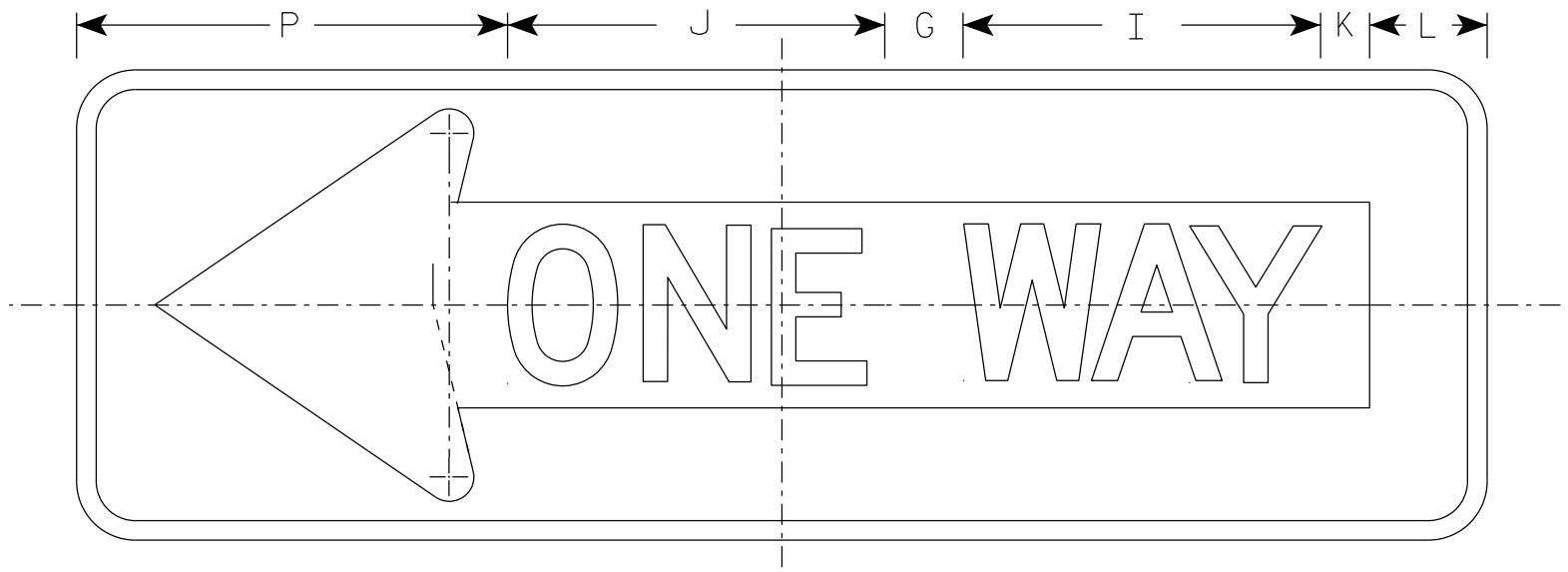
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

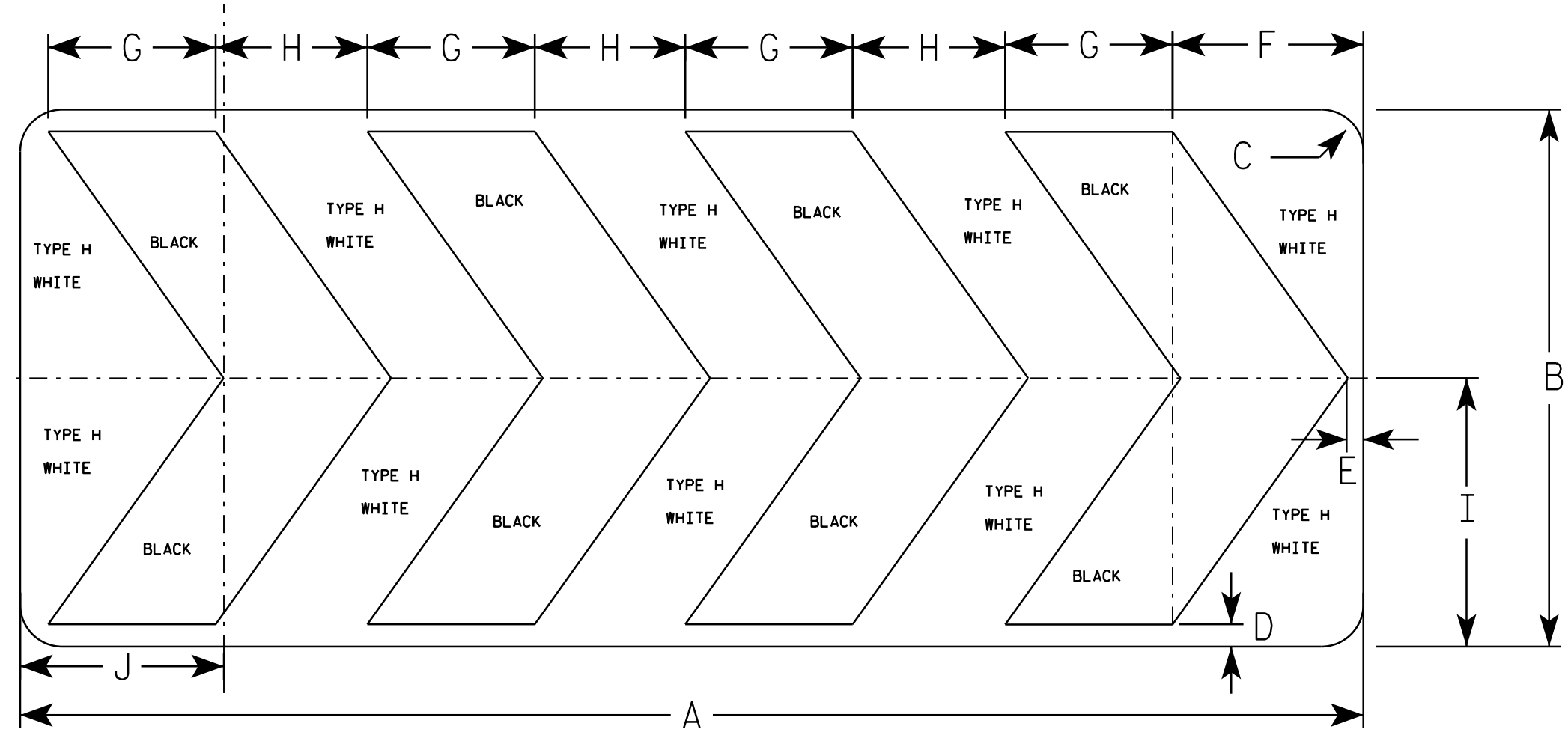
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 306 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   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.



R6-4B

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	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

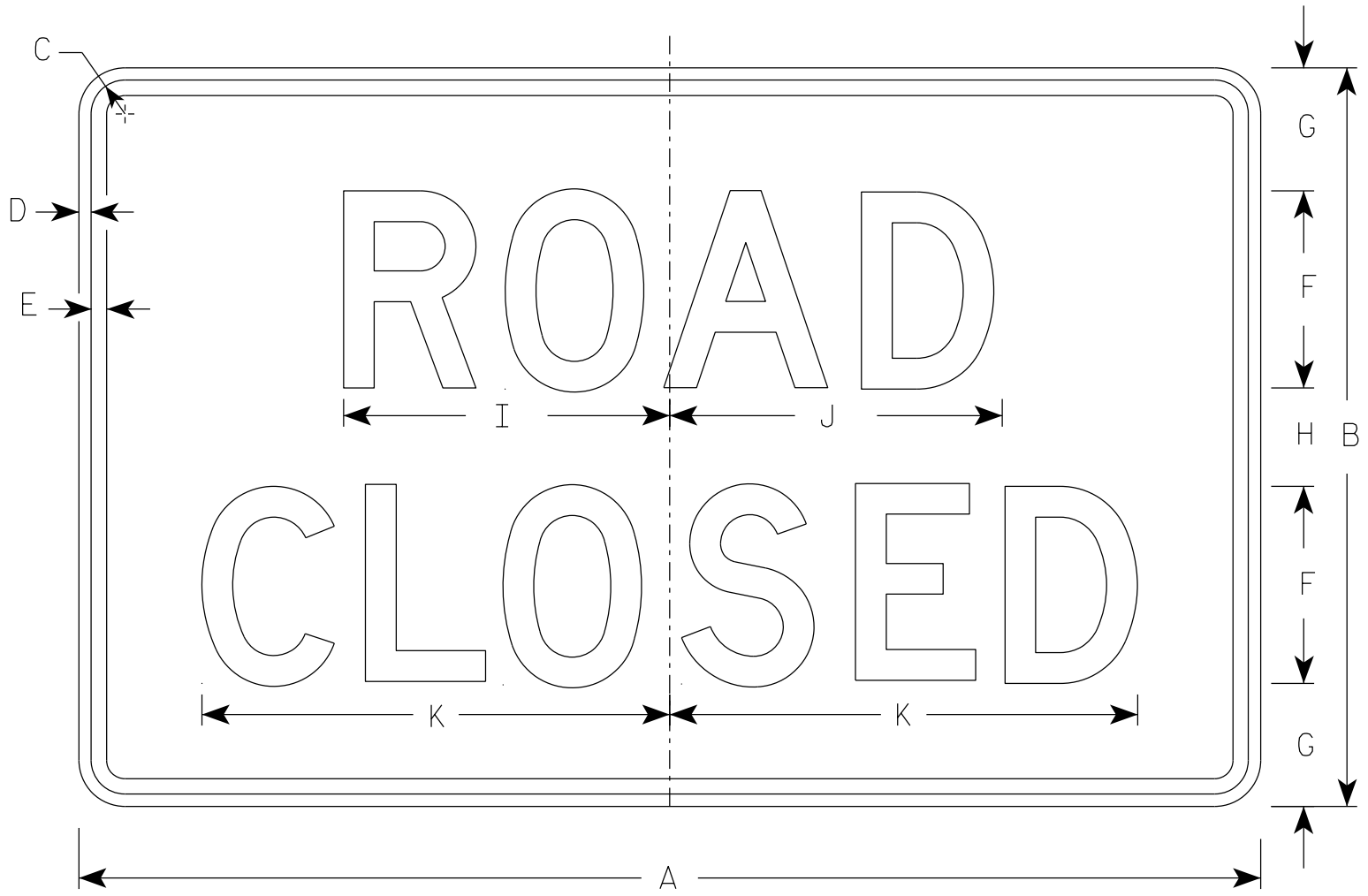
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

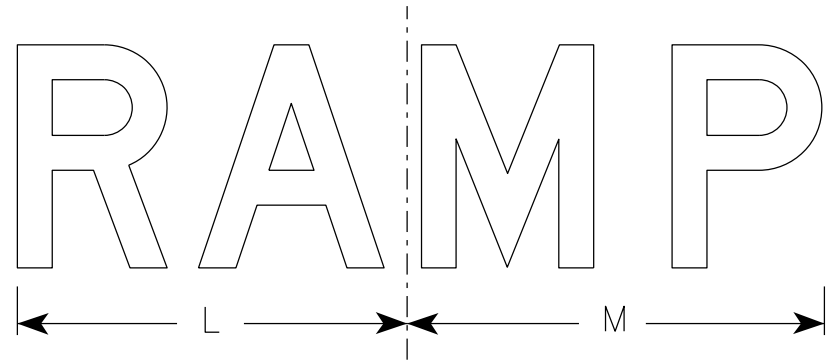
WISDOT/CADDS SHEET 42



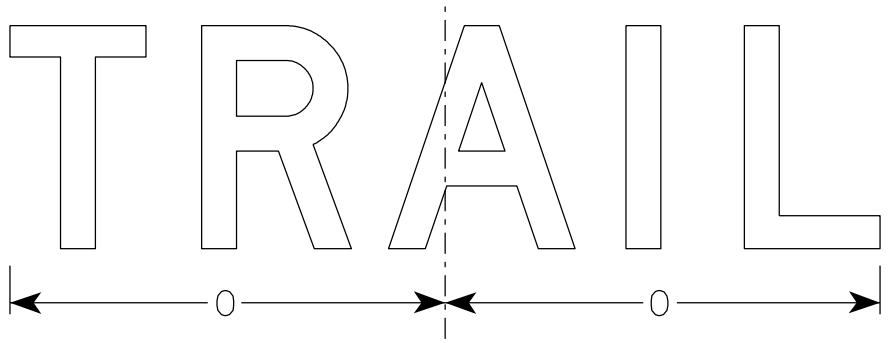
R11-2

NOTES

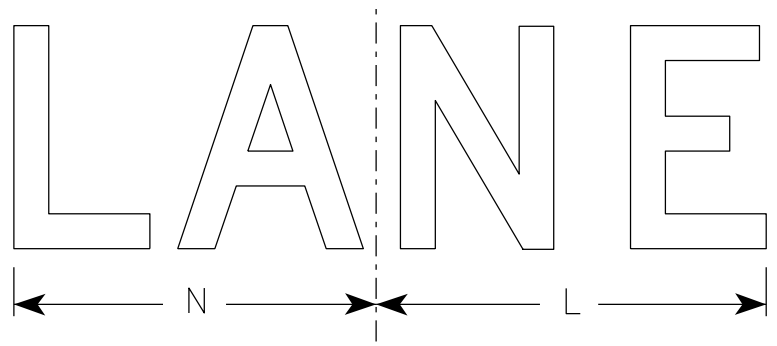
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



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	15 5/8												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	15 5/8												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	15 5/8												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	15 5/8												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	15 5/8												10.0

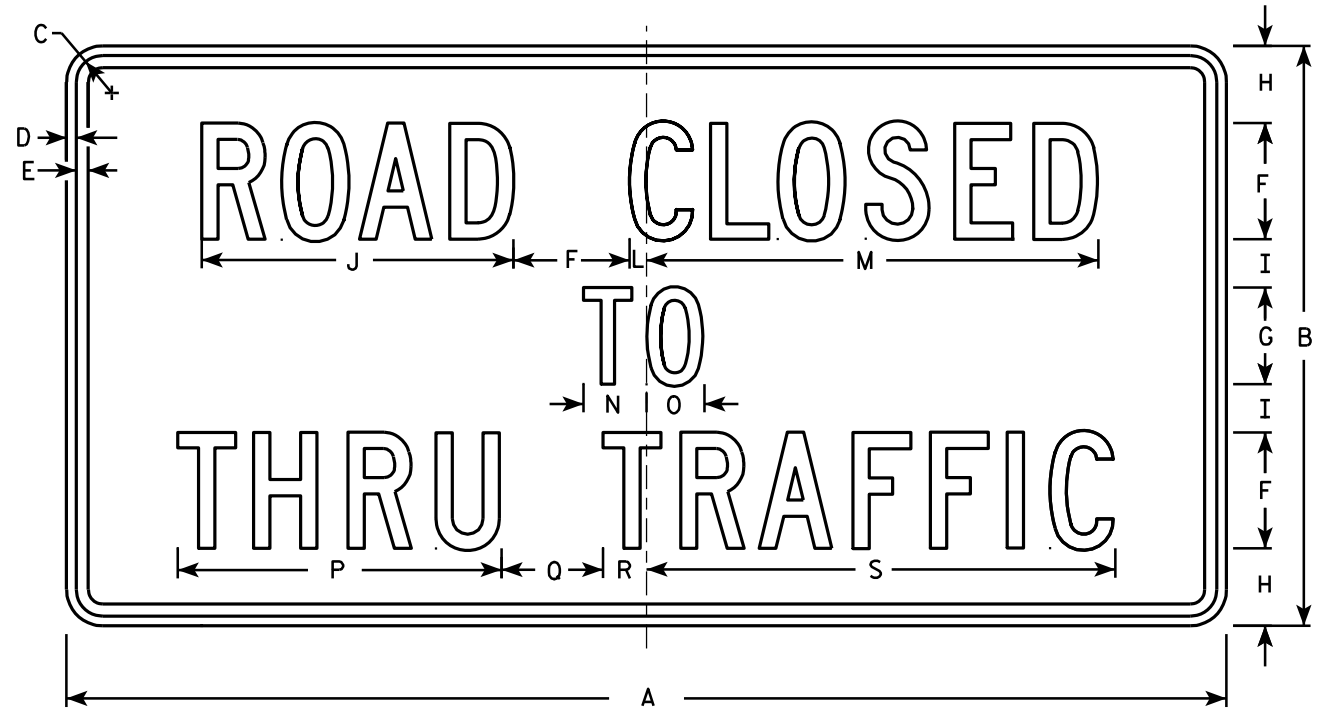
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	E



R11-4

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.

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	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

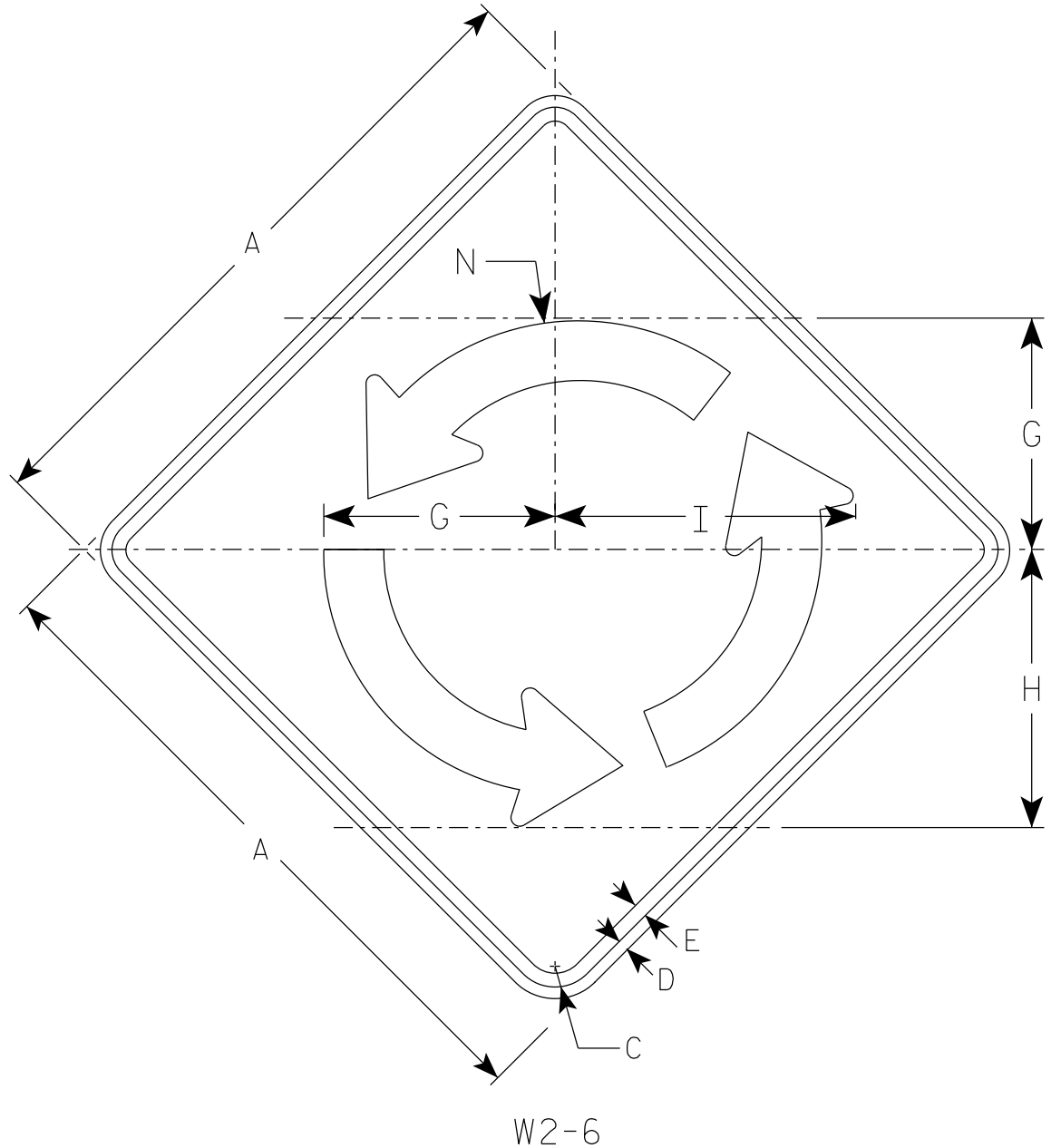
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E

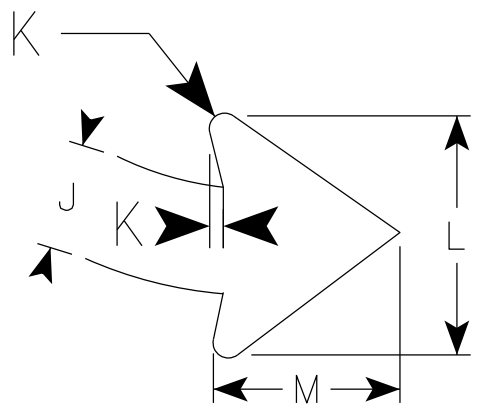


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

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	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

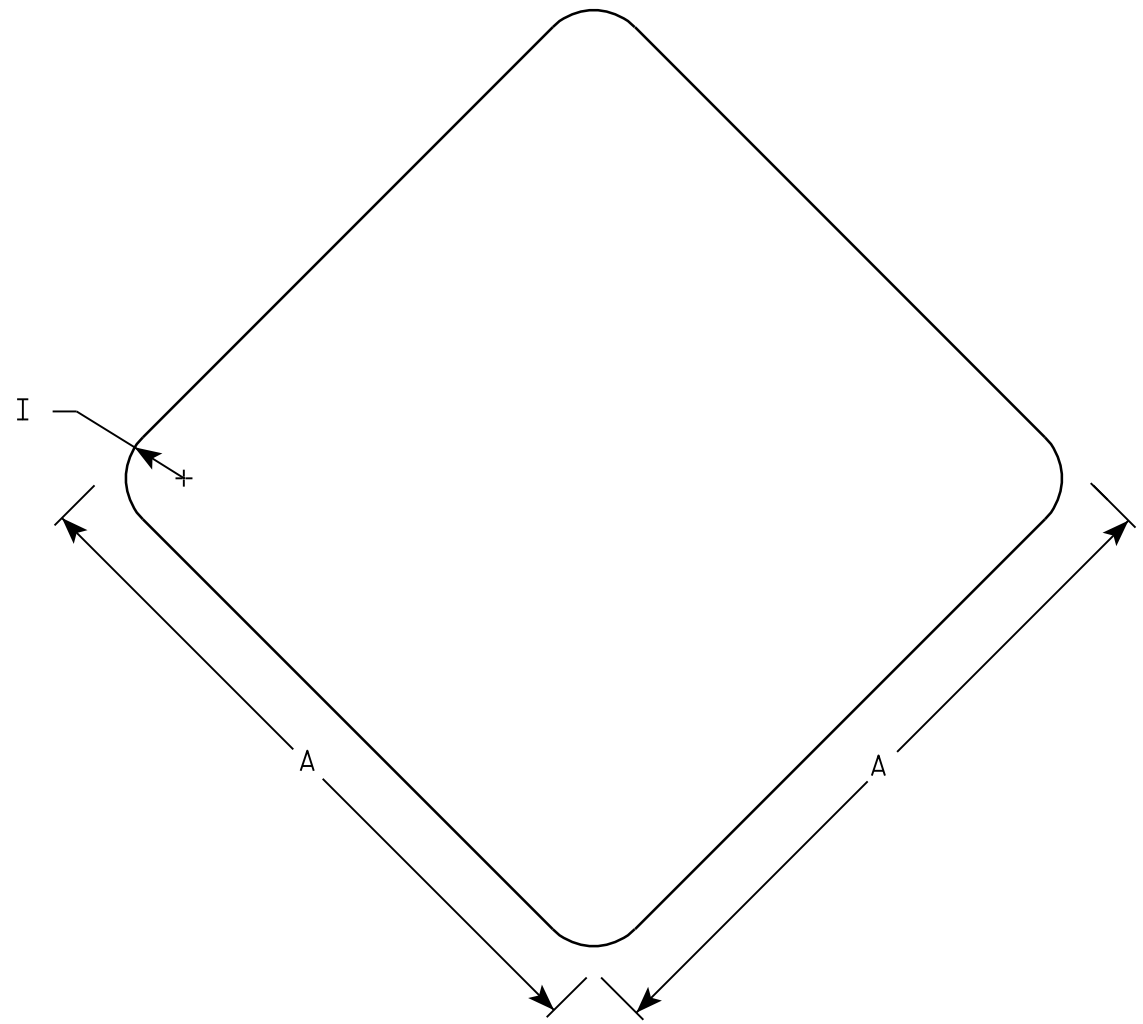
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 310 E



W5-54

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
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

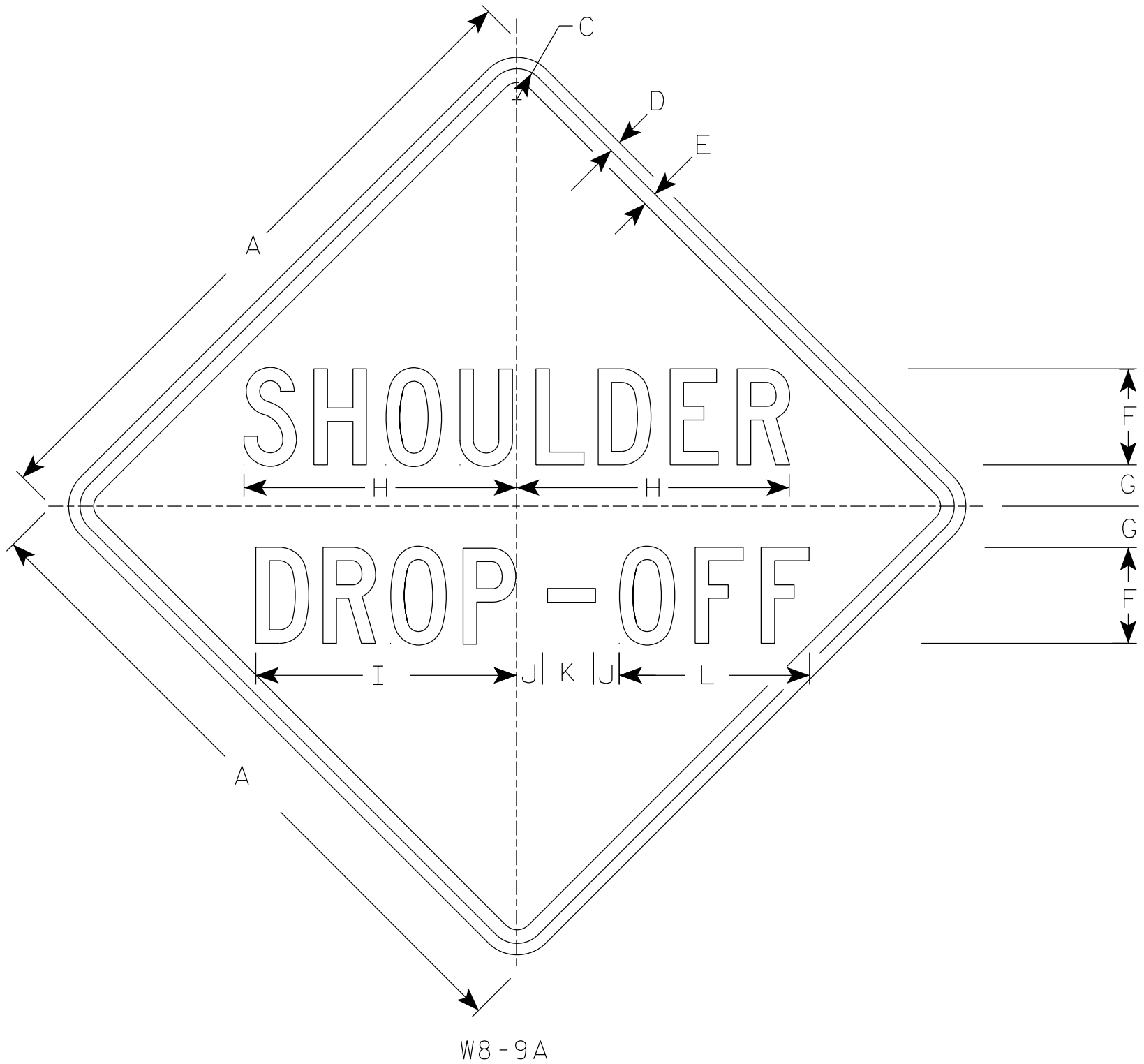
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 311	E



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.

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	14 7/8	14	7/8	2 1/2	9 3/4															9.0
2S	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
2M	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
3	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
4	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0
5	48		2 1/4	3/4	1	7	3	19 7/8	19	1 7/8	3 3/4	13 7/8															16.0

STANDARD SIGN
W8-9A

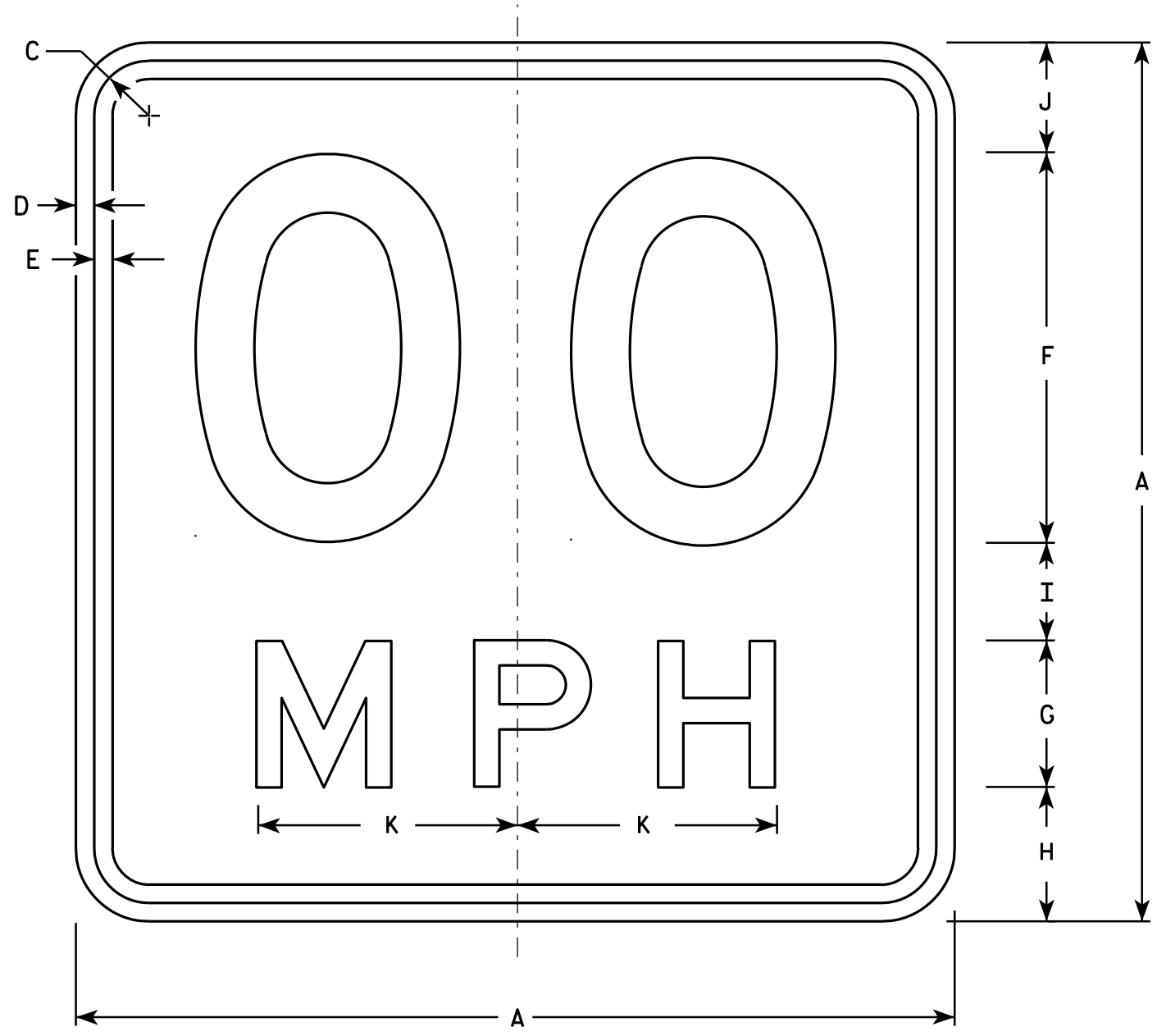
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-9A.4

PROJECT NO:

SHEET NO: 312 E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

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 - See Note 6
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 space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	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		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

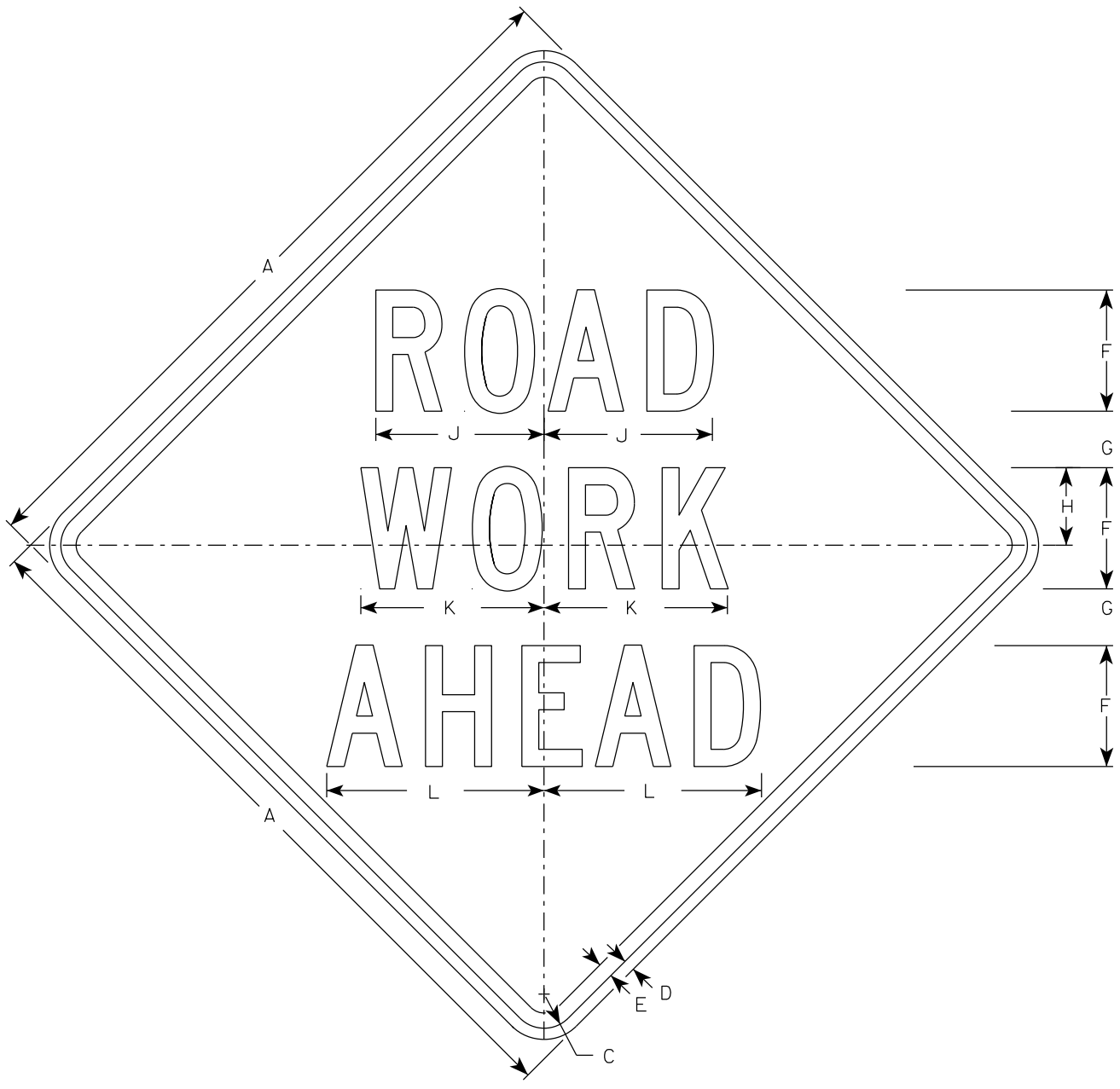
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

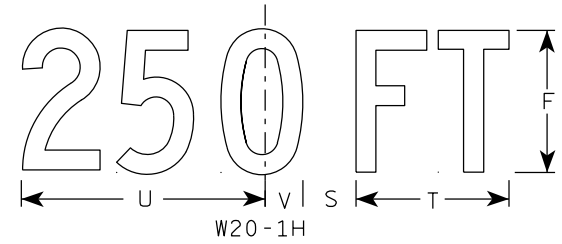
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

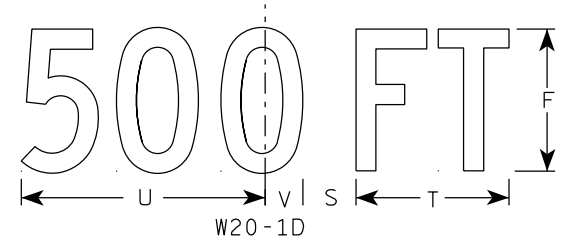
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E



W20-1A

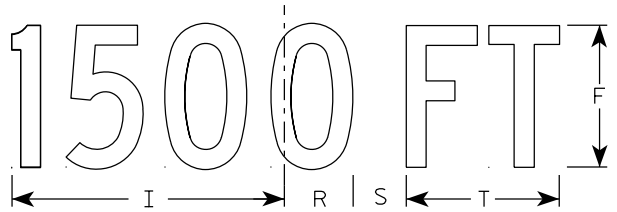


W20-1H



W20-1D

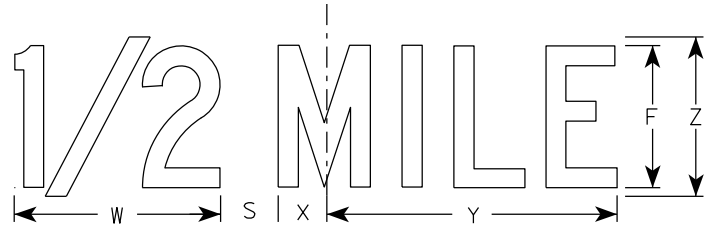
W20-1C



W20-1B

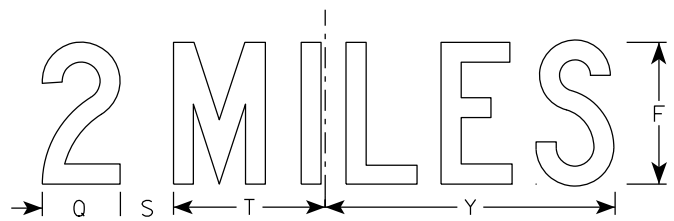
NOTES

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.



W20-1G

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

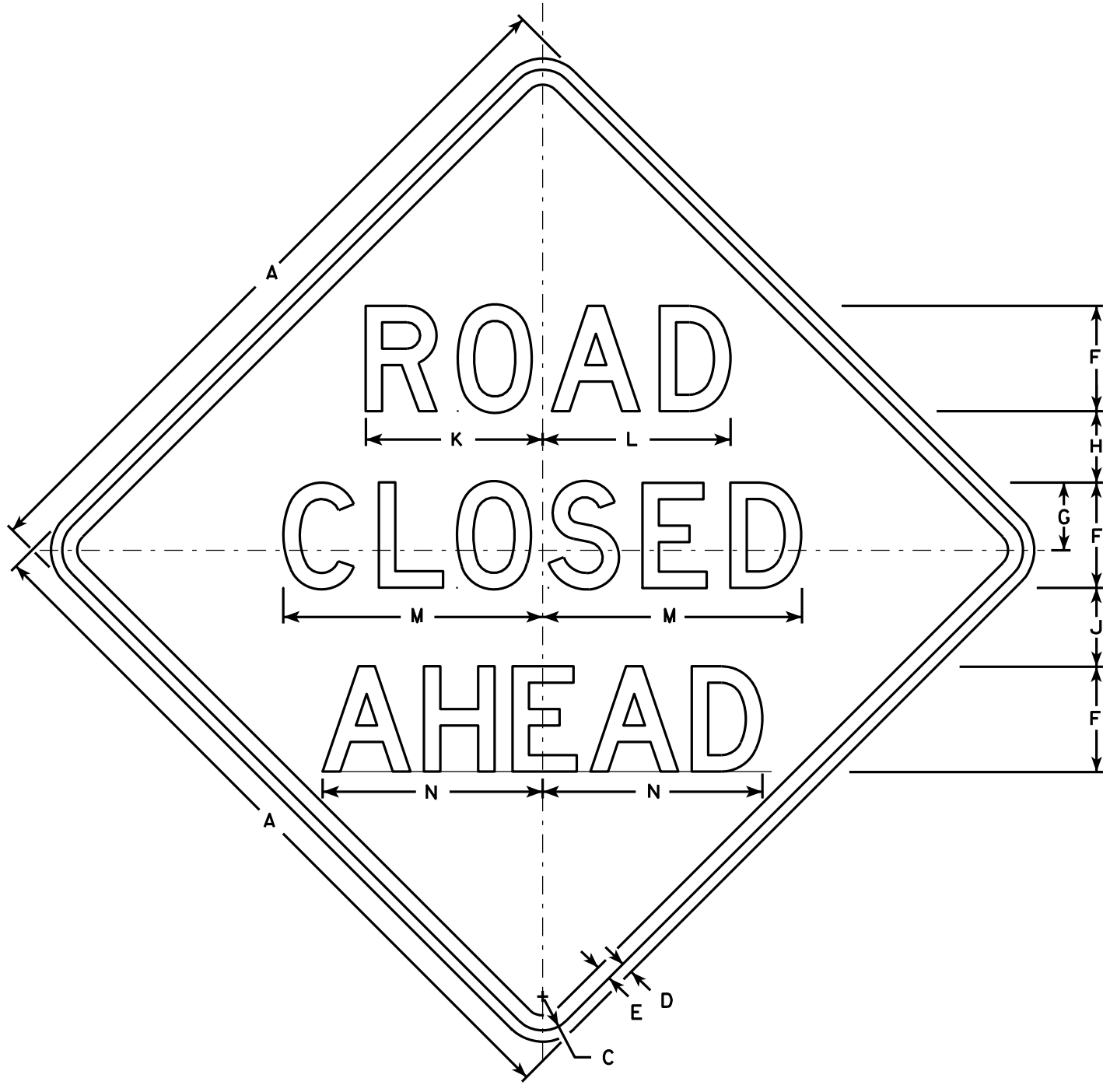
PROJECT NO:

SHEET NO: E

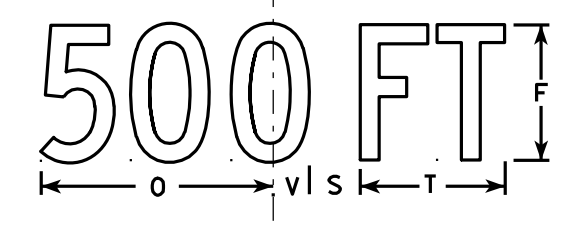
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

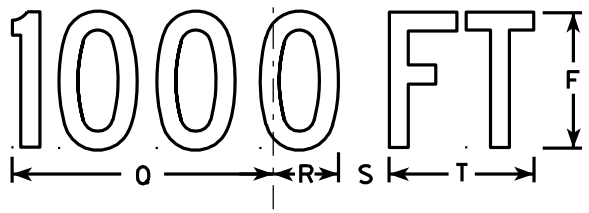
7



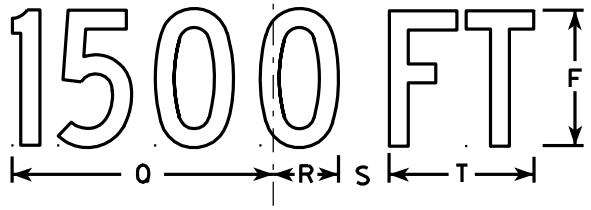
W20-3A



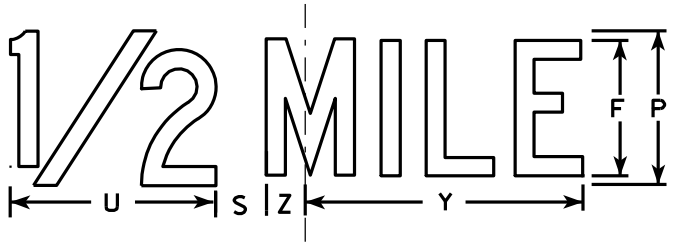
W20-3D



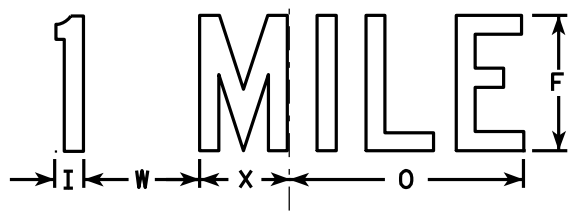
W20-3C



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

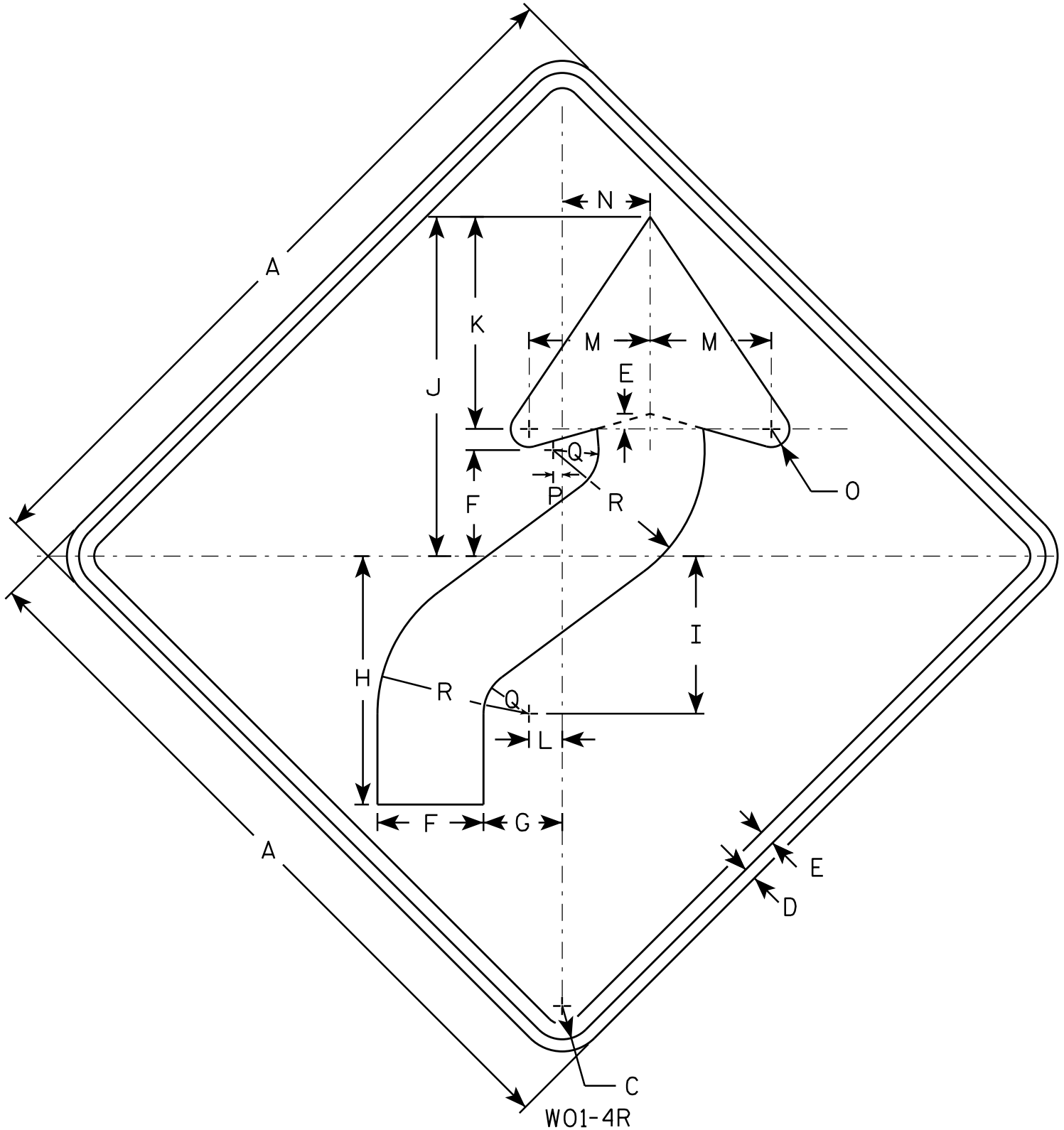
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



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

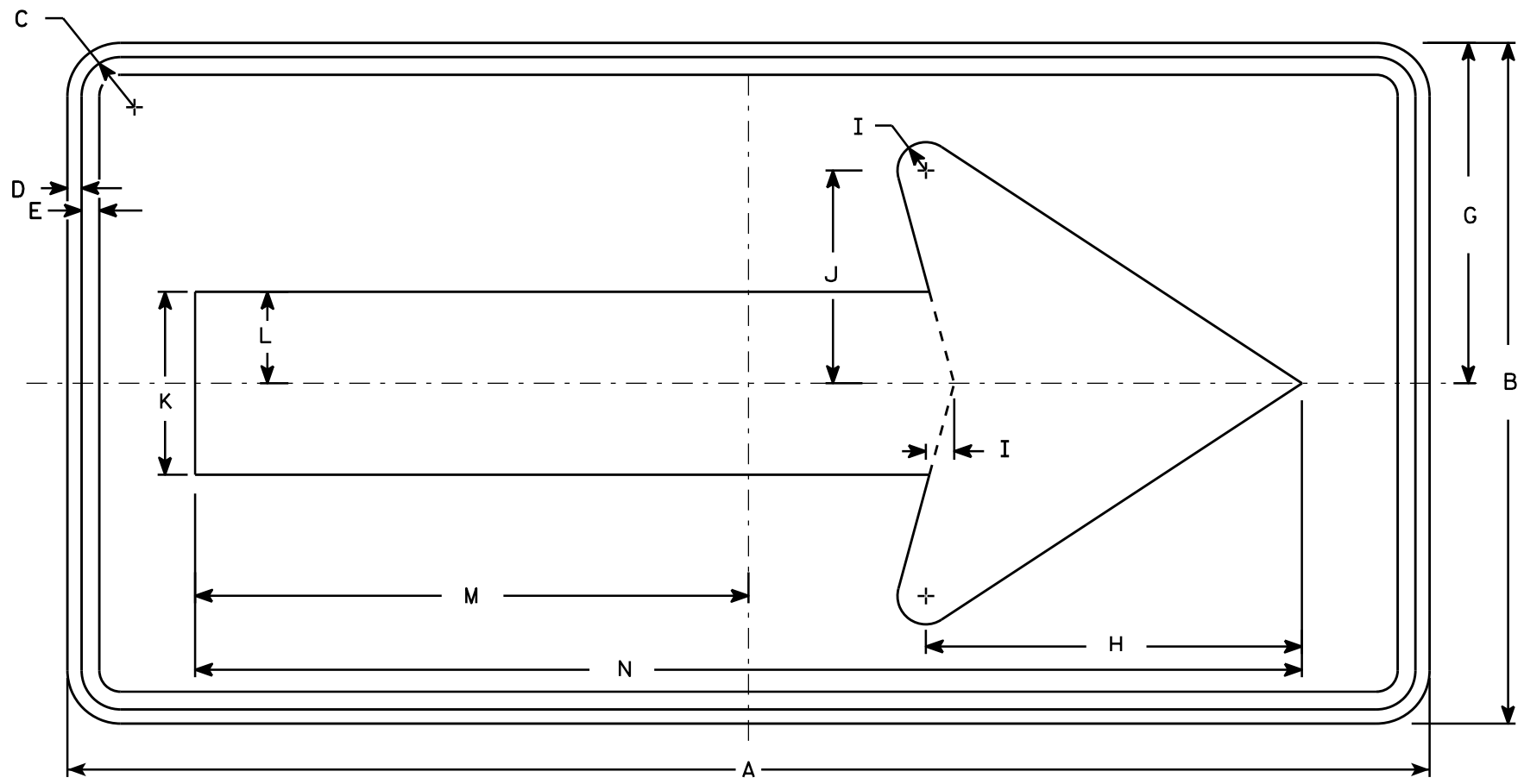
WISCONSIN DEPT OF TRANSPORTATION

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

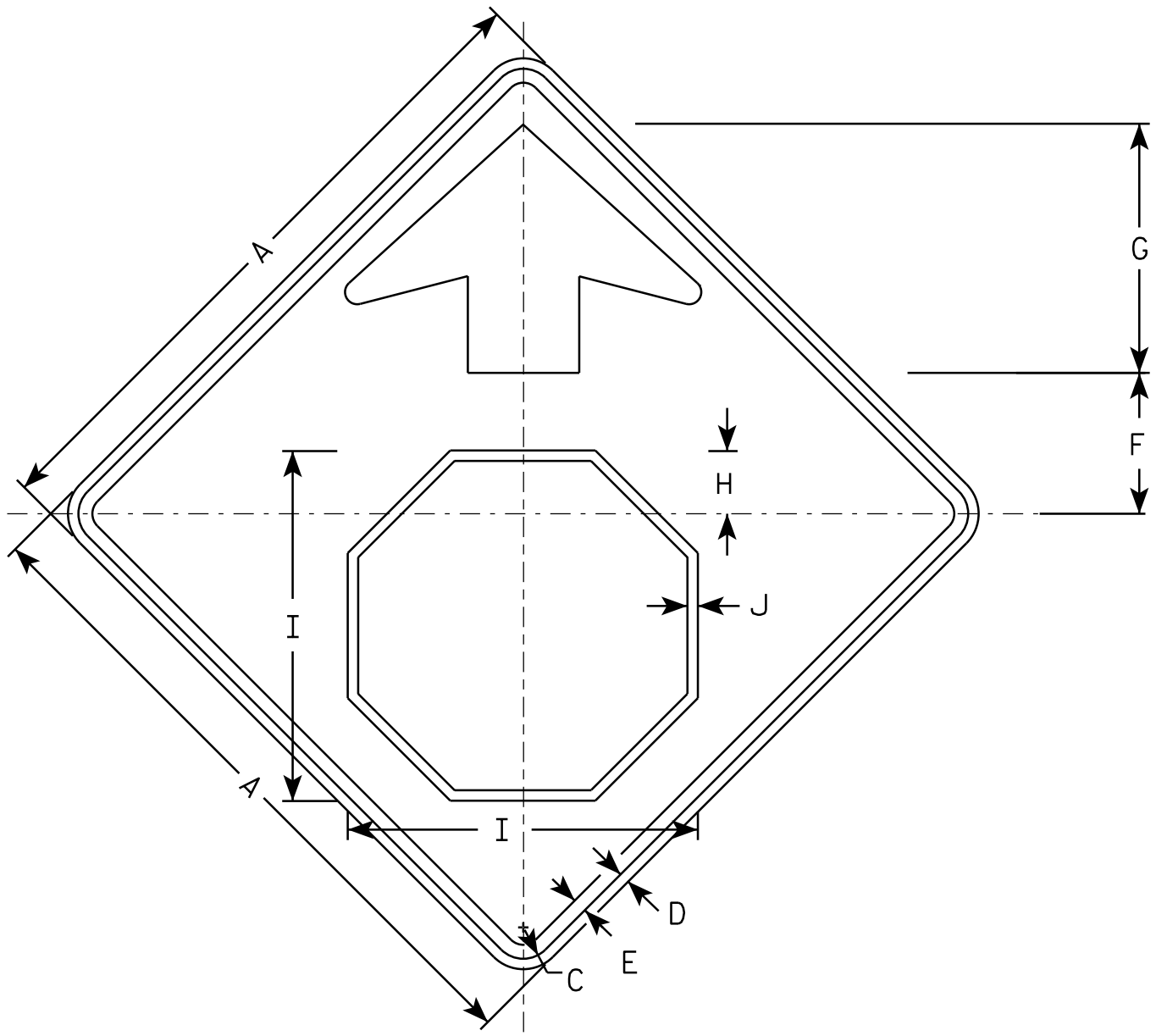
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

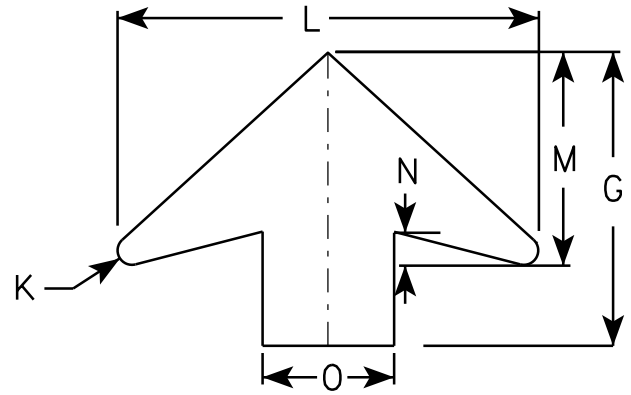
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



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

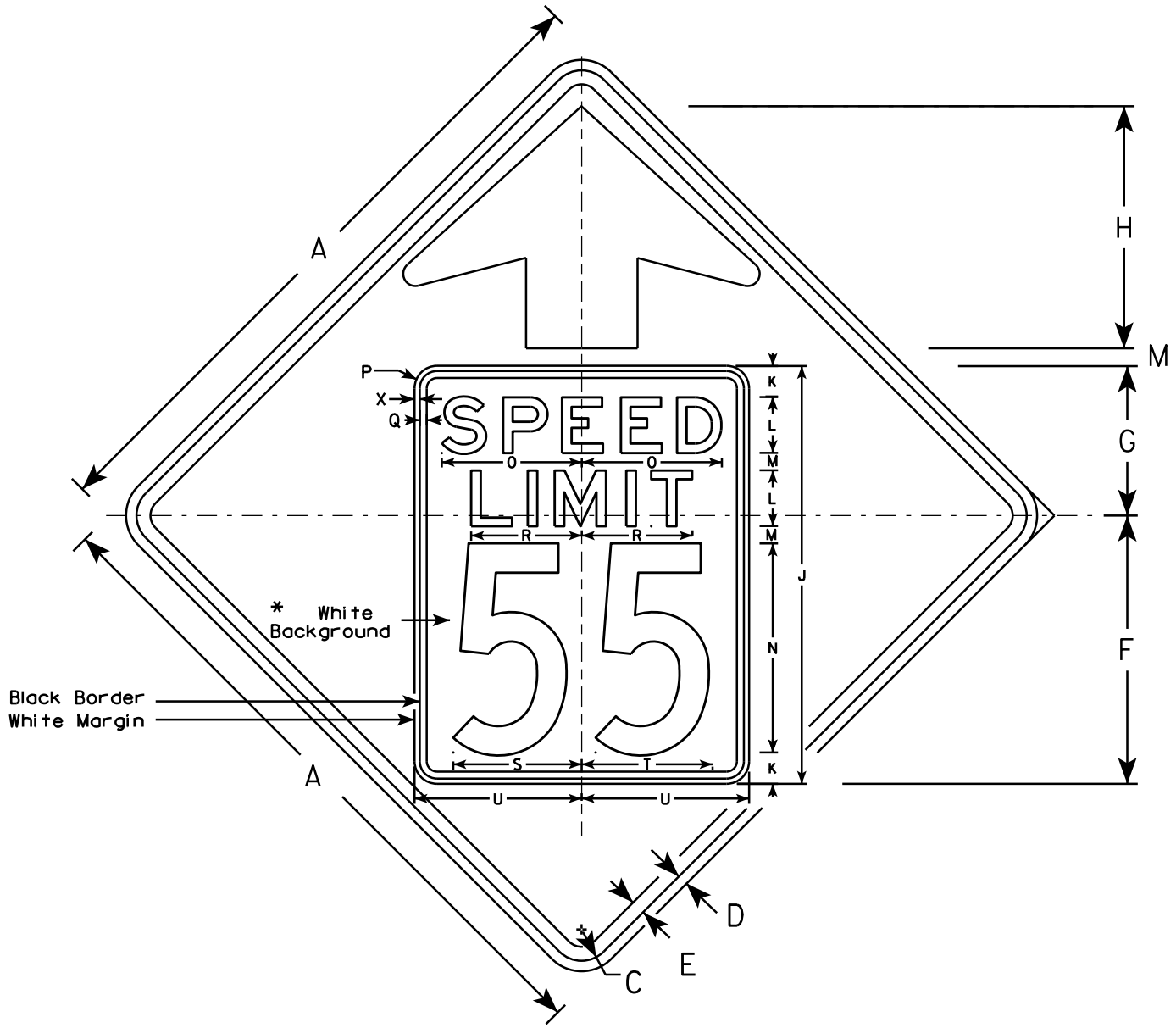
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 318 03-1.1

PROJECT NO: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W031.DGN PLOT DATE : 20-NOV-2013 10:54 PLOT BY : mscsja

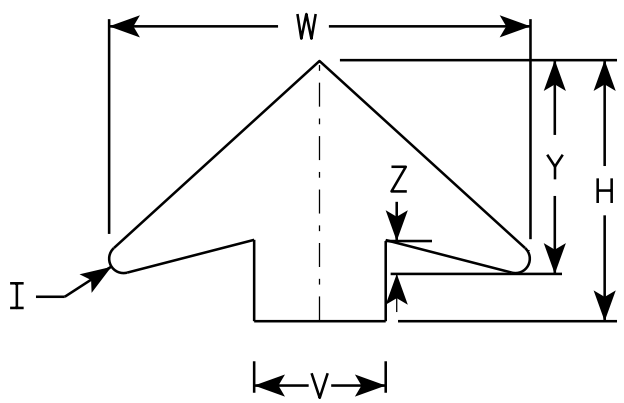


W03-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - ORANGE*
   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	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
2S	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
2M	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
3	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
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
W03-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-5.1

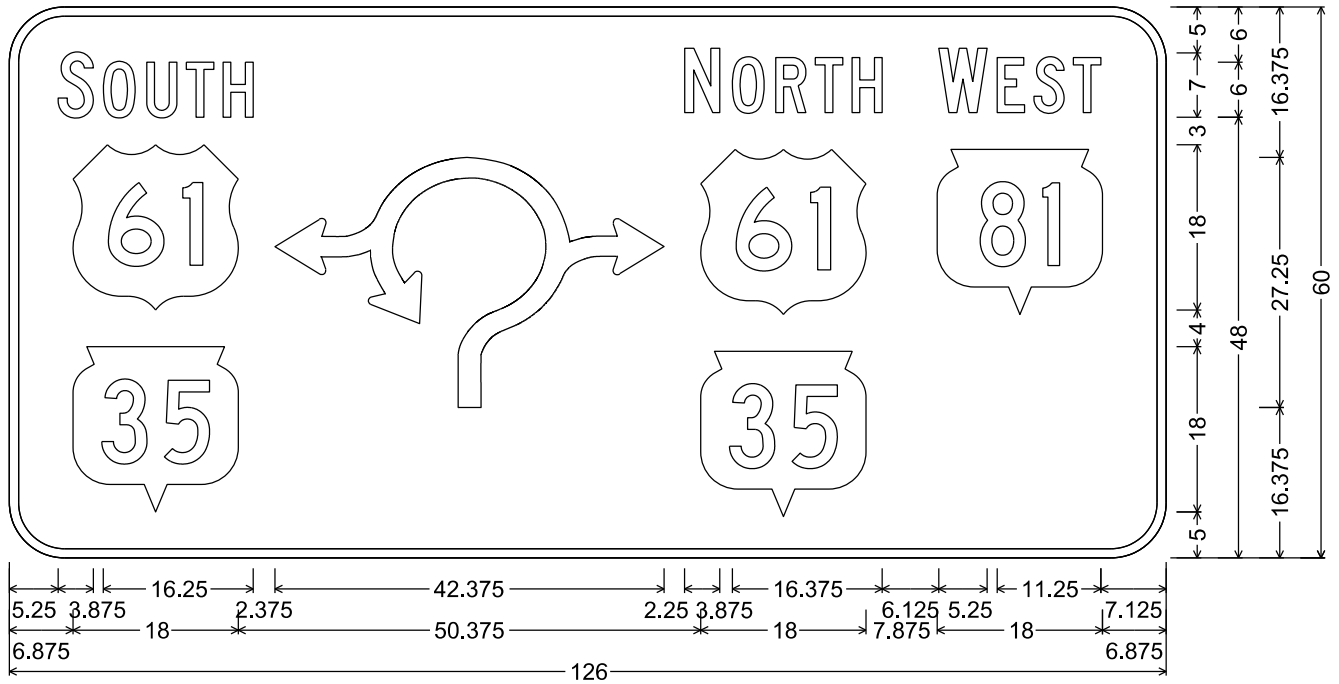
PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

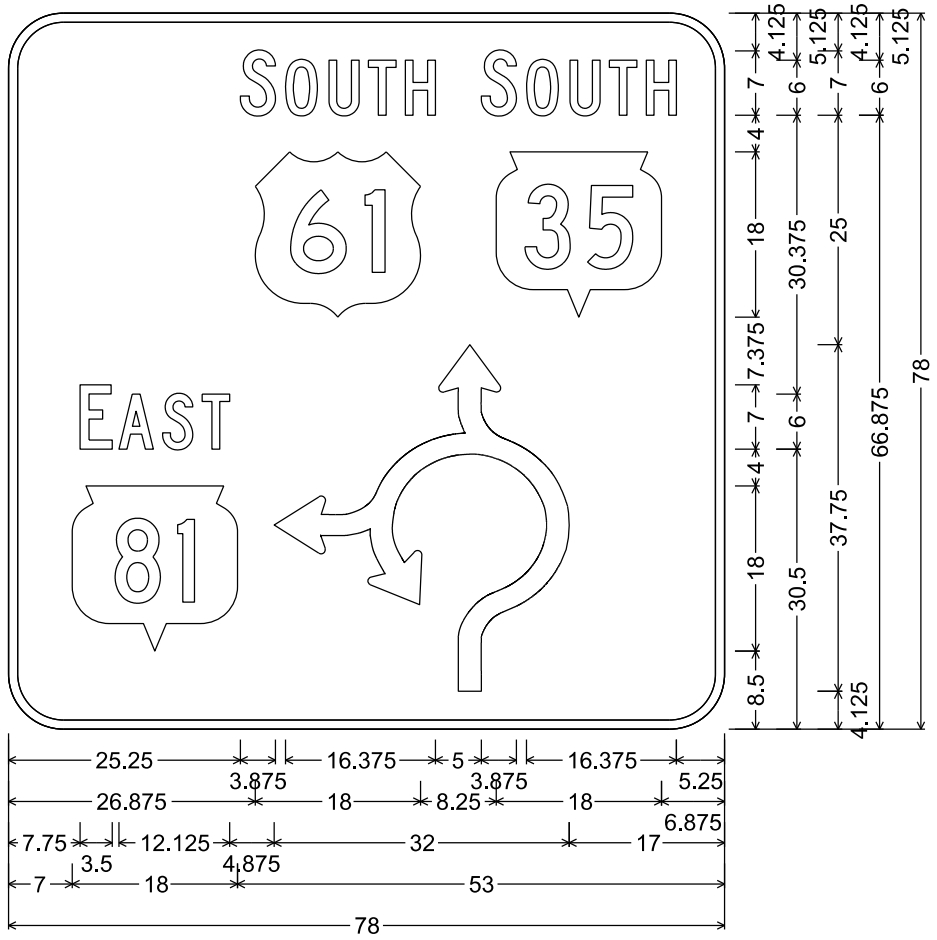
WISDOT/CADDS SHEET 42

NOTES

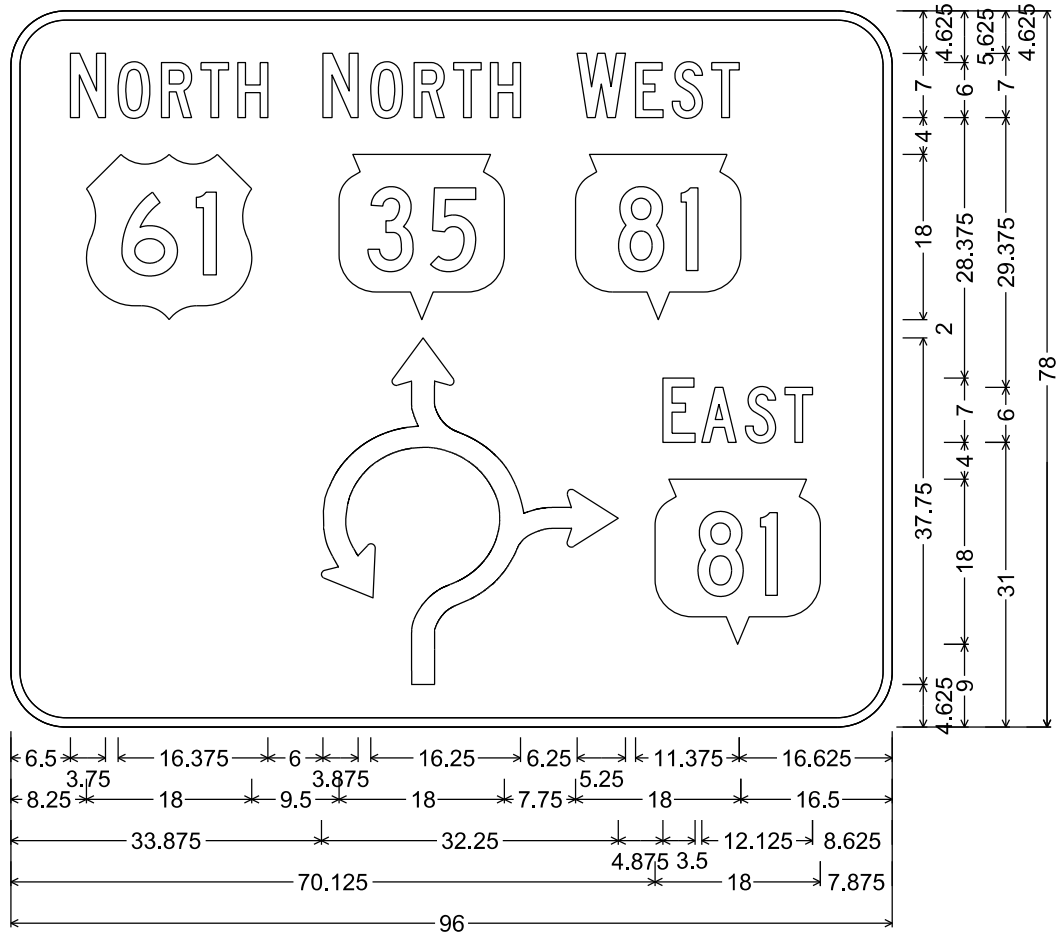
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



D1-62; 6.000" Radius, 1.000" Border



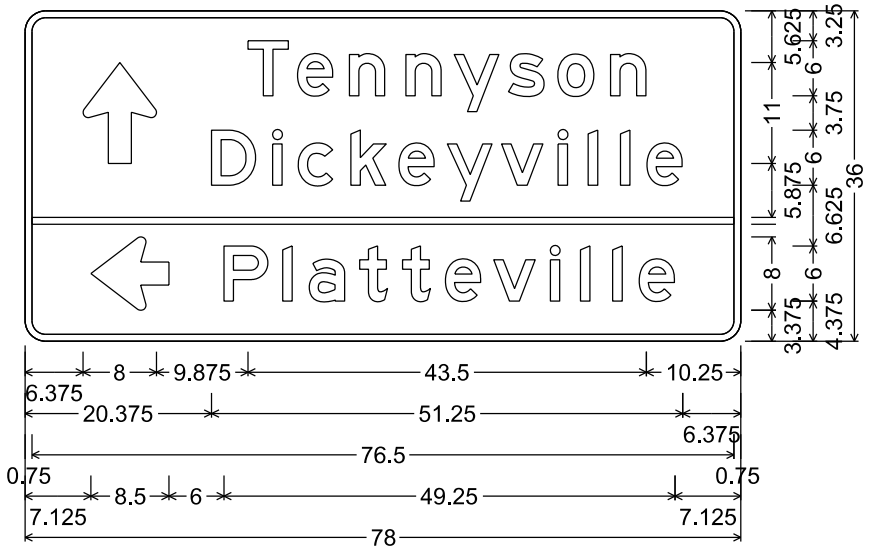
D1-62; 6.000" Radius, 1.000" Border



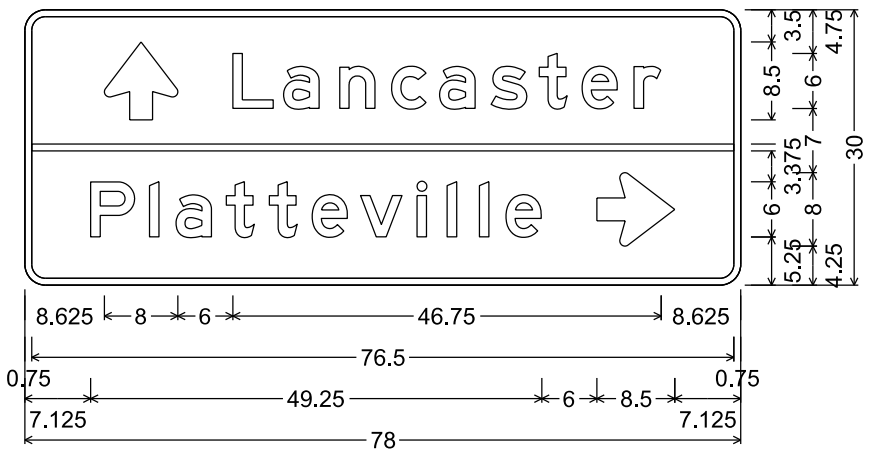
D1-62; 6.000" Radius, 1.000" Border

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



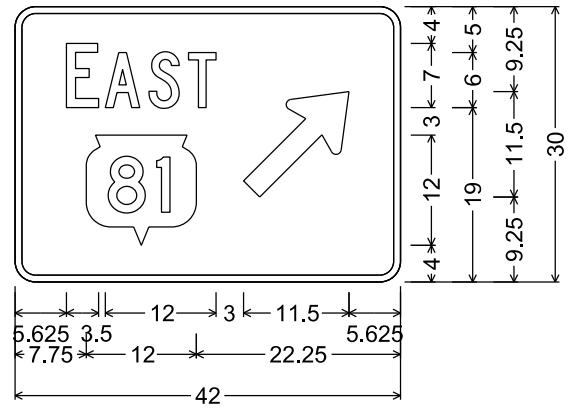
D1-3; 2.250" Radius, 0.750" Border



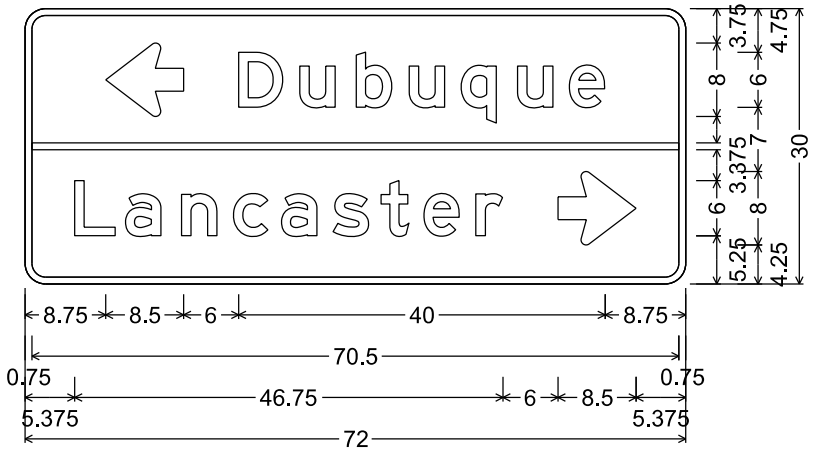
D1-2; 2.250" Radius, 0.750" Border



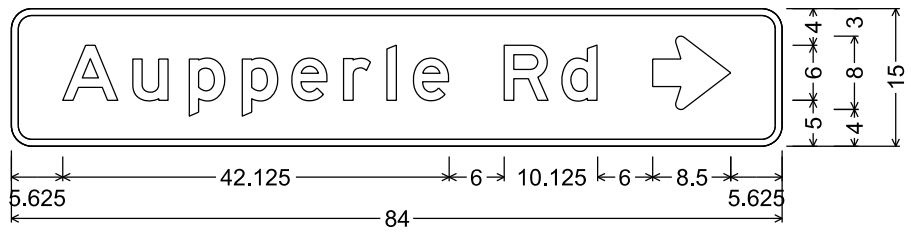
D2-1; 2.250" Radius, 0.750" Border



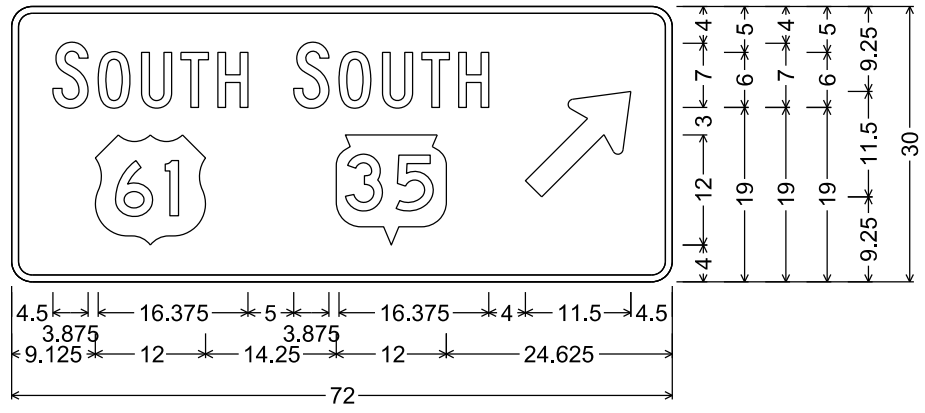
D1-1; 2.250" Radius, 0.750" Border,
"EAST", C



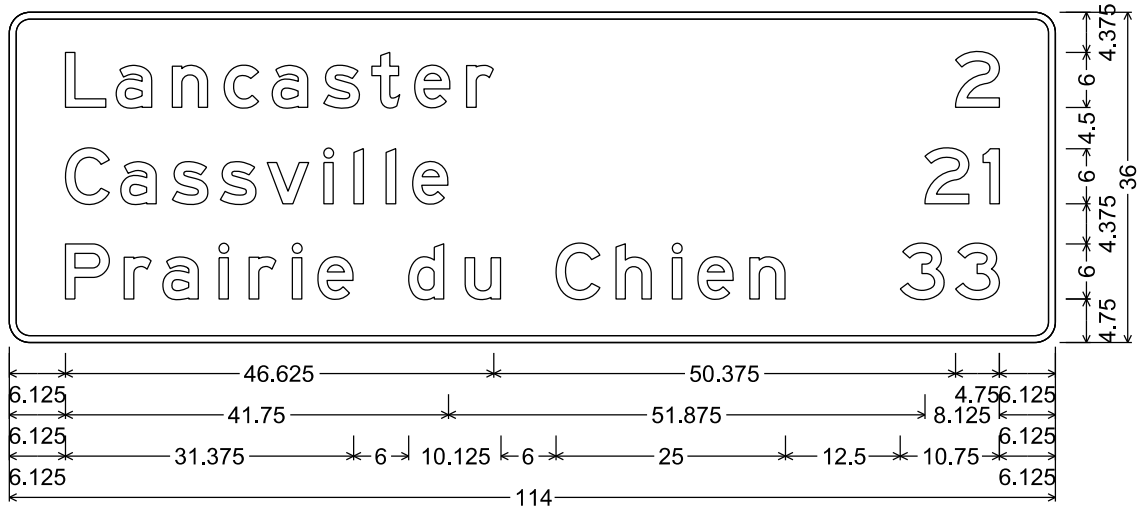
D1-2; 2.250" Radius, 0.750" Border



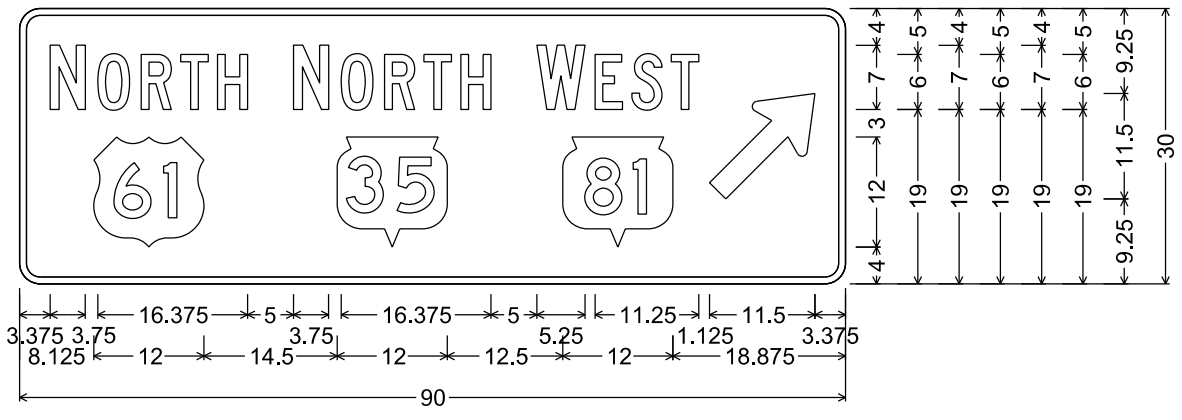
D1-1; 2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border,
"SOUTH", C; "SOUTH", C



D2-3; 2.250" Radius, 0.750" Border



D1-3; 2.250" Radius, 0.750" Border,
"NORTH", C; "NORTH", C; "WEST", C

Division 1 - Stage 1 (USH 61)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
101+72.877	10172.88	0.00	13.09	0.00	0	0	0	0	0
102+00	10200.00	27.12	14.97	0.00	14	0	14	0	14
102+50	10250.00	50.00	12.12	0.00	25	0	39	0	39
103+00	10300.00	50.00	8.95	0.00	20	0	59	0	59
103+50	10350.00	50.00	8.40	0.19	16	0	75	0	75
104+00	10400.00	50.00	8.12	1.04	15	1	90	1	89
104+50	10450.00	50.00	3.11	5.72	10	6	100	9	91
105+00	10500.00	50.00	3.20	9.30	6	14	106	27	79
105+50	10550.00	50.00	3.27	10.85	6	19	112	52	60
106+00	10600.00	50.00	4.92	7.51	8	17	120	74	46
106+50	10650.00	50.00	58.05	4.94	58	12	178	90	88
107+00	10700.00	50.00	79.23	4.38	127	9	305	101	204
107+50	10750.00	50.00	75.96	3.47	144	7	449	111	339
108+00	10800.00	50.00	65.87	1.60	131	5	580	117	463
108+50	10850.00	50.00	49.19	0.00	107	1	687	118	569
109+00	10900.00	50.00	43.97	0.00	86	0	773	118	655
109+50	10950.00	50.00	6.81	18.02	47	17	820	140	680
110+00	11000.00	50.00	5.26	41.20	11	55	831	212	619
110+50	11050.00	50.00	5.11	85.09	10	117	841	364	477
111+00	11100.00	50.00	5.42	108.95	10	180	851	598	253
111+50	11150.00	50.00	5.98	116.88	11	209	862	870	-8
112+00	11200.00	50.00	6.39	132.04	11	230	873	1,169	-296
112+50	11250.00	50.00	6.20	144.35	12	256	885	1,502	-617
113+00	11300.00	50.00	6.16	95.66	11	222	896	1,790	-894
113+50	11350.00	50.00	6.85	87.79	12	170	908	2,011	1,103
114+00	11400.00	50.00	8.82	82.99	15	158	923	2,217	-1,294
114+50	11450.00	50.00	7.17	57.91	15	130	938	2,386	-1,448
115+00	11500.00	50.00	7.77	40.75	14	91	952	2,504	-1,552
115+50	11550.00	50.00	8.35	26.13	15	62	967	2,584	-1,617
116+00	11600.00	50.00	6.54	23.33	14	46	981	2,644	-1,663
116+50	11650.00	50.00	5.57	22.41	11	42	992	2,699	-1,707
117+00	11700.00	50.00	11.35	8.88	16	29	1,008	2,737	-1,729
117+50	11750.00	50.00	7.00	19.13	17	26	1,025	2,770	-1,745
118+00	11800.00	50.00	7.06	8.11	13	25	1,038	2,803	1,765
118+50	11850.00	50.00	6.47	6.17	13	13	1,051	2,820	-1,769
119+00	11900.00	50.00	6.20	3.32	12	9	1,063	2,831	-1,768
119+50	11950.00	50.00	6.15	1.47	11	4	1,074	2,837	-1,763
120+00	12000.00	50.00	0.00	0.00	6	1	1,080	2,838	-1,758
120+50	12050.00	50.00	8.40	0.00	8	0	1,088	2,838	1,750
121+00	12100.00	50.00	13.58	0.00	20	0	1,108	2,838	-1,730
121+50	12150.00	50.00	15.64	0.00	27	0	1,135	2,838	-1,703
122+00	12200.00	50.00	12.42	0.00	26	0	1,161	2,838	-1,677
122+43.821	12243.82	43.82	21.53	0.00	28	0	1,189	2,838	-1,649

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 1 - Stage 1 (USH 61) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.30	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
123+11.559	12311.56	12311.56	0.00	0.00	0	0	1,189	2,838	-1,649
123+50	12350.00	38.44	41.81	0.00	30	0	1,219	2,838	-1,619
124+00	12400.00	50.00	32.29	0.00	69	0	1,288	2,838	-1,550
124+50	12450.00	50.00	39.59	0.00	67	0	1,355	2,838	-1,483
125+00	12500.00	50.00	38.72	0.00	73	0	1,428	2,838	-1,410
125+50	12550.00	50.00	38.29	0.00	71	0	1,499	2,838	-1,339
126+00	12600.00	50.00	39.69	0.00	72	0	1,571	2,838	-1,267
126+50	12650.00	50.00	37.92	0.00	72	0	1,643	2,838	-1,195
127+00	12700.00	50.00	36.38	0.00	69	0	1,712	2,838	-1,126
127+50	12750.00	50.00	37.74	0.00	69	0	1,781	2,838	-1,057
128+00	12800.00	50.00	39.22	0.00	71	0	1,852	2,838	-986
128+50	12850.00	50.00	29.57	0.00	64	0	1,916	2,838	-922
129+00	12900.00	50.00	19.65	0.00	46	0	1,962	2,838	-876
129+50	12950.00	50.00	7.74	0.00	25	0	1,987	2,838	-851
130+00	13000.00	50.00	4.96	0.00	12	0	1,999	2,838	-839
130+50	13050.00	50.00	5.16	0.00	9	0	2,008	2,838	-830
130+60.25	13060.25	10.25	5.68	0.00	2	0	2,010	2,838	-828

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 1 - Stage 1 (STH 81)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
202+42.245	20242.25	0.00	0.00	0.00	0	0	0	0	0
202+50	20250.00	7.75	0.00	0.00	0	0	0	0	0
203+00	20300.00	50.00	12.38	0.00	11	0	11	0	11
203+50	20350.00	50.00	24.93	0.00	25	0	36	0	36
204+00	20400.00	50.00	23.44	0.00	36	0	72	0	72
204+50	20450.00	50.00	12.58	0.00	33	0	105	0	105
205+00	20500.00	50.00	10.58	0.00	21	0	126	0	126
205+50	20550.00	50.00	10.96	0.16	20	0	146	0	146
206+00	20600.00	50.00	11.14	2.00	20	2	166	3	163
206+50	20650.00	50.00	11.09	3.31	21	5	187	9	178
207+00	20700.00	50.00	10.95	2.43	20	5	207	16	191
207+50	20750.00	50.00	13.51	1.96	23	4	230	21	209
208+00	20800.00	50.00	12.19	7.43	24	9	254	33	222
208+50	20850.00	50.00	11.74	13.15	22	19	276	57	219
209+00	20900.00	50.00	13.38	1.91	23	14	299	75	224
209+50	20950.00	50.00	13.51	0.24	25	2	324	78	246
210+00	21000.00	50.00	11.56	3.19	23	3	347	82	265
210+50	21050.00	50.00	13.45	4.56	23	7	370	91	279
211+00	21100.00	50.00	9.59	13.65	21	17	391	113	278
211+50	21150.00	50.00	7.26	12.19	16	24	407	144	263
212+00	21200.00	50.00	6.57	8.74	13	19	420	169	251
212+50	21250.00	50.00	9.73	3.58	15	11	435	183	252
213+00	21300.00	50.00	6.09	4.57	15	8	450	194	256
213+50	21350.00	50.00	6.43	9.27	12	13	462	211	251
214+00	21400.00	50.00	5.90	10.17	11	18	473	234	239
214+50	21450.00	50.00	10.89	2.33	16	12	489	250	239
215+00	21500.00	50.00	14.71	0.95	24	3	513	254	260
216+34.901	21634.90	134.90	0.00	0.00	37	2	550	256	294
216+50	21650.00	15.10	124.28	2.07	35	1	585	257	328
217+00	21700.00	50.00	8.47	28.74	123	29	708	295	413
217+50	21750.00	50.00	6.82	39.70	14	63	722	377	345
218+00	21800.00	50.00	8.92	3.89	15	40	737	429	308
218+27	21827.00	27.00	47.25	0.00	28	2	765	432	333

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 2 - Stage 2 (USH 61 SOUTH LEG)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
402+29.687	40229.69	0.00	22.90	0.00	0	0	0	0	0
402+50	40250.00	20.31	23.27	0.00	17	0	17	0	17
403+00	40300.00	50.00	22.10	0.00	42	0	59	0	59
403+50	40350.00	50.00	19.89	0.00	39	0	98	0	98
404+00	40400.00	50.00	13.19	0.00	31	0	129	0	129
404+50	40450.00	50.00	12.24	0.18	24	0	153	0	153
405+00	40500.00	50.00	10.50	0.57	21	1	174	1	173
405+50	40550.00	50.00	9.72	1.72	19	2	193	4	189
406+00	40600.00	50.00	10.63	3.55	19	5	212	10	202
406+50	40650.00	50.00	8.86	4.07	18	7	230	20	211
407+00	40700.00	50.00	9.47	3.06	17	7	247	29	218
407+50	40750.00	50.00	37.59	0.03	44	3	291	33	259
408+00	40800.00	50.00	57.06	3.91	88	4	379	38	341
408+50	40850.00	50.00	57.23	5.16	106	8	485	48	437
409+00	40900.00	50.00	67.23	8.31	115	12	600	64	536
409+50	40950.00	50.00	68.11	8.17	125	15	725	83	642
410+00	41000.00	50.00	71.53	8.34	129	15	854	103	751
410+50	41050.00	50.00	74.12	10.78	135	18	989	126	863
411+00	41100.00	50.00	71.68	17.81	135	26	1,124	160	964
411+50	41150.00	50.00	69.80	30.29	131	45	1,255	218	1,037
412+00	41200.00	50.00	60.93	43.80	121	69	1,376	308	1,068
412+50	41250.00	50.00	63.93	100.25	116	133	1,492	481	1,011
413+00	41300.00	50.00	40.01	79.82	96	167	1,588	698	890
413+50	41350.00	50.00	38.98	108.13	73	174	1,661	924	737
414+00	41400.00	50.00	32.95	112.73	67	204	1,728	1,190	539
414+50	41450.00	50.00	14.71	76.24	44	175	1,772	1,417	355
415+00	41500.00	50.00	10.73	97.38	24	161	1,796	1,626	170
415+50	41550.00	50.00	4.83	116.30	14	198	1,810	1,884	-74
416+00	41600.00	50.00	22.90	111.05	26	211	1,836	2,158	-322
416+50	41650.00	50.00	105.52	33.10	119	133	1,955	2,331	-376
416+92.737	41692.74	42.74	224.39	41.42	261	59	2,216	2,408	-192

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 2 - STAGE 2 (USH 61 NORTH LEG)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1288+00.553	128800.55	0.00	717.09	0.55	0	0	0	0	0
1288+50	128850.00	49.45	789.31	0.00	1,379	1	1,379	1	1,378
1289+00	128900.00	50.00	704.39	0.14	1,383	0	2,762	1	2,761
1289+50	128950.00	50.00	627.74	0.00	1,233	0	3,995	1	3,994
1290+00	129000.00	50.00	518.99	0.18	1,062	0	5,057	1	5,056
1290+50	129050.00	50.00	454.54	0.00	901	0	5,958	1	5,957
1291+00	129100.00	50.00	349.53	0.00	745	0	6,703	1	6,702
1291+50	129150.00	50.00	288.28	0.14	591	0	7,294	1	7,293
1292+00	129200.00	50.00	169.36	0.00	424	0	7,718	1	7,717
1292+50	129250.00	50.00	171.41	16.02	316	15	8,034	21	8,013
1293+00	129300.00	50.00	139.14	12.25	288	26	8,322	55	8,267
1293+50	129350.00	50.00	130.83	19.96	250	30	8,572	94	8,478
1294+00	129400.00	50.00	123.99	29.32	236	46	8,808	153	8,655
1294+50	129450.00	50.00	122.22	27.84	228	53	9,036	222	8,814
1295+00	129500.00	50.00	126.15	13.81	230	39	9,266	273	8,993
1295+41.516	129541.52	41.52	127.52	6.41	195	16	9,461	294	9,167

Division 2 - STAGE 2 (STH 81)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
599+18	59918.00	0.00	16.90	0.00	0	0	0	0	0
599+50	59950.00	32.00	16.82	0.00	20	0	20	0	20
600+00	60000.00	50.00	31.35	0.00	45	0	65	0	65
600+50	60050.00	50.00	18.82	0.00	46	0	111	0	111
601+00	60100.00	50.00	17.55	0.00	34	0	145	0	145
601+50	60150.00	50.00	16.99	0.00	32	0	177	0	177
602+00	60200.00	50.00	17.06	0.05	32	0	209	0	209
602+50	60250.00	50.00	61.22	1.94	72	2	281	3	278
603+00	60300.00	50.00	61.35	3.32	113	5	394	9	385
603+50	60350.00	50.00	63.24	4.48	115	7	509	18	491
604+00	60400.00	50.00	68.40	3.37	122	7	631	27	604
604+50	60450.00	50.00	92.29	0.33	149	3	780	31	749
605+00	60500.00	50.00	103.99	0.00	182	0	962	31	931
605+50	60550.00	50.00	112.45	0.00	200	0	1,162	31	1,131
606+00	60600.00	50.00	125.13	0.00	220	0	1,382	31	1,351
606+50	60650.00	50.00	149.86	0.00	255	0	1,637	31	1,606
607+00	60700.00	50.00	169.19	0.00	295	0	1,932	31	1,901
607+50	60750.00	50.00	187.40	0.00	330	0	2,262	31	2,231
608+00	60800.00	50.00	208.59	0.00	367	0	2,629	31	2,598
608+50	60850.00	50.00	236.13	0.00	412	0	3,041	31	3,010
609+00	60900.00	50.00	215.94	0.00	419	0	3,460	31	3,429
609+50	60950.00	50.00	207.33	0.00	392	0	3,852	31	3,821
610+00	61000.00	50.00	194.24	0.00	372	0	4,224	31	4,193
610+50	61050.00	50.00	160.46	0.00	328	0	4,552	31	4,521
611+00	61100.00	50.00	177.69	0.00	313	0	4,865	31	4,834
611+50	61150.00	50.00	518.50	0.00	645	0	5,510	31	5,479

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 3 - STAGE 3 (USH 61 AND STH 81)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
302+20.41	30220.41	0.00	83.04	0.00	0	0	0	0	0
302+50	30250.00	29.59	84.20	0.00	92	0	92	0	92
303+00	30300.00	50.00	84.08	0.00	156	0	248	0	248
303+50	30350.00	50.00	83.49	0.00	155	0	403	0	403
304+00	30400.00	50.00	81.37	0.02	153	0	556	0	556
304+50	30450.00	50.00	80.55	2.01	150	2	706	3	703
305+00	30500.00	50.00	78.28	0.00	147	2	853	5	848
305+50	30550.00	50.00	72.07	0.00	139	0	992	5	987
306+00	30600.00	50.00	64.25	0.00	126	0	1,118	5	1,113
306+50	30650.00	50.00	68.09	0.00	123	0	1,241	5	1,236
307+00	30700.00	50.00	76.50	7.81	134	7	1,375	14	1,361
307+50	30750.00	50.00	96.94	5.35	161	12	1,536	30	1,506
308+00	30800.00	50.00	136.57	1.44	216	6	1,752	38	1,714
308+50	30850.00	50.00	203.54	0.07	315	1	2,067	39	2,028
309+00	30900.00	50.00	245.48	0.00	416	0	2,483	39	2,444
309+50	30950.00	50.00	261.99	7.38	470	7	2,953	48	2,905
310+00	31000.00	50.00	362.98	0.00	579	7	3,532	57	3,475
310+50	31050.00	50.00	441.85	0.00	745	0	4,277	57	4,220
311+00	31100.00	50.00	636.42	0.00	998	0	5,275	57	5,218
311+50	31150.00	50.00	514.48	0.00	1,066	0	6,341	57	6,284
312+00	31200.00	50.00	835.30	0.00	1,250	0	7,591	57	7,534
312+50	31250.00	50.00	1024.89	0.00	1,722	0	9,313	57	9,256
313+00	31300.00	50.00	704.24	0.00	1,601	0	10,914	57	10,857
313+50	31350.00	50.00	758.96	0.00	1,355	0	12,269	57	12,212
314+00	31400.00	50.00	762.76	0.00	1,409	0	13,678	57	13,621
314+50	31450.00	50.00	715.80	0.00	1,369	0	15,047	57	14,990
315+00	31500.00	50.00	679.26	0.00	1,292	0	16,339	57	16,282
315+50	31550.00	50.00	412.48	0.00	1,011	0	17,350	57	17,293
316+00	31600.00	50.00	233.75	0.00	598	0	17,948	57	17,891
316+50	31650.00	50.00	129.32	0.00	336	0	18,284	57	18,227
317+00	31700.00	50.00	79.95	0.00	194	0	18,478	57	18,421
317+44.736	31744.74	44.74	35.06	0.05	95	0	18,573	57	18,516

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 4 - STAGE 4 (NBB ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1286+67.226	128667.23	0.00	34.49	338.69	0	0	0	0	0
1287+00	128700.00	32.77	145.51	344.81	109	415	109	540	-431
1287+50	128750.00	50.00	180.28	343.65	302	637	411	1,368	-957
1288+00	128800.00	50.00	69.82	322.19	232	617	643	2,170	-1,527
1288+50	128850.00	50.00	14.66	178.24	78	463	721	2,772	-2,051
1289+00	128900.00	50.00	14.29	87.11	27	246	748	3,091	-2,343
1289+50	128950.00	50.00	14.15	9.57	26	90	774	3,208	-2,434
1290+00	129000.00	50.00	22.46	0.00	34	9	808	3,220	-2,412
1290+50	129050.00	50.00	35.01	0.00	53	0	861	3,220	-2,359
1291+00	129100.00	50.00	0.00	0.00	32	0	893	3,220	-2,327
1291+50	129150.00	50.00	0.00	0.00	0	0	893	3,220	-2,327
1292+00	129200.00	50.00	0.00	0.00	0	0	893	3,220	-2,327
1292+50	129250.00	50.00	0.00	0.00	0	0	893	3,220	-2,327
1293+00	129300.00	50.00	57.60	11.04	53	10	946	3,233	-2,287
1293+50	129350.00	50.00	154.44	2.11	196	12	1,142	3,249	-2,107
1294+00	129400.00	50.00	169.92	1.63	300	3	1,442	3,253	-1,811
1294+50	129450.00	50.00	197.34	1.60	340	3	1,782	3,257	-1,475
1295+00	129500.00	50.00	243.91	1.41	409	3	2,191	3,260	-1,069
1295+41.516	129541.52	41.52	275.50	0.91	399	2	2,590	3,263	-673
1295+50	129550.00	8.48	256.52	2.45	84	1	2,674	3,264	-590
1296+00	129600.00	50.00	287.55	0.03	504	2	3,178	3,267	-89
1296+50	129650.00	50.00	243.51	2.12	492	2	3,670	3,270	401
1297+00	129700.00	50.00	268.44	4.97	474	7	4,144	3,279	865
1297+50	129750.00	50.00	206.78	5.12	440	9	4,584	3,290	1,294
1298+00	129800.00	50.00	195.87	0.84	373	6	4,957	3,298	1,659
1298+50	129850.00	50.00	206.42	0.02	372	1	5,329	3,299	2,030
1299+00	129900.00	50.00	167.89	0.07	347	0	5,676	3,299	2,377
1299+50	129950.00	50.00	140.28	0.00	285	0	5,961	3,299	2,662
1299+77.148	129977.15	27.15	124.24	0.00	133	0	6,094	3,299	2,795

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 4 - STAGE 4 (NBA ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1274+85	127485.00	0.00	82.36	0.00	0	0	0	0	0
1275+00	127500.00	15.00	73.15	0.00	43	0	43	0	43
1275+50	127550.00	50.00	76.96	18.23	139	17	182	22	160
1275+53.883	127553.88	3.88	56.02	20.54	10	3	192	26	166
1275+55	127555.00	1.12	77.42	20.71	3	1	195	27	168
1275+60	127560.00	5.00	93.04	15.41	16	3	211	31	180
1275+65	127565.00	5.00	114.29	10.91	19	2	230	34	196
1275+70	127570.00	5.00	120.71	11.31	22	2	252	36	216
1275+75	127575.00	5.00	103.33	13.48	21	2	273	39	234
1275+80	127580.00	5.00	98.54	18.94	19	3	292	43	249
1275+85	127585.00	5.00	112.12	5.06	20	2	312	46	267
1275+90	127590.00	5.00	101.31	5.03	20	1	332	47	285
1275+95	127595.00	5.00	89.43	5.00	18	1	350	48	302
1276+00	127600.00	5.00	77.19	4.99	15	1	365	49	316
1276+05	127605.00	5.00	61.48	5.00	13	1	378	51	327
1276+10	127610.00	5.00	59.28	5.02	11	1	389	52	337
1276+15	127615.00	5.00	71.83	5.05	12	1	401	53	348
1276+20	127620.00	5.00	72.63	5.06	13	1	414	55	359
1276+25	127625.00	5.00	80.55	5.07	14	1	428	56	372
1276+30	127630.00	5.00	88.22	5.09	16	1	444	57	387
1276+35	127635.00	5.00	95.23	5.14	17	1	461	59	403
1276+40	127640.00	5.00	99.83	5.32	18	1	479	60	419
1276+45	127645.00	5.00	99.29	14.82	18	2	497	62	435
1276+50	127650.00	5.00	91.70	31.94	18	4	515	68	447
1276+55	127655.00	5.00	85.24	35.66	16	6	531	75	456
1276+60	127660.00	5.00	80.80	29.19	15	6	546	83	463
1276+65	127665.00	5.00	84.57	17.87	15	4	561	88	473
1276+70	127670.00	5.00	92.27	15.55	16	3	577	92	485
1276+75	127675.00	5.00	102.69	8.98	18	2	595	95	500
1276+80	127680.00	5.00	99.99	8.82	19	2	614	98	517
1276+83.617	127683.62	3.62	78.73	4.35	12	1	626	99	527
1277+00	127700.00	16.38	13.88	1.14	28	2	654	101	553
1277+50	127750.00	50.00	7.31	0.00	20	1	674	103	571
1278+00	127800.00	50.00	8.82	0.00	15	0	689	103	586
1278+50	127850.00	50.00	16.20	0.00	23	0	712	103	609
1279+00	127900.00	50.00	29.17	0.00	42	0	754	103	651
1279+50	127950.00	50.00	34.79	0.00	59	0	813	103	710
1280+00	128000.00	50.00	11.61	19.71	43	18	856	126	730
1280+50	128050.00	50.00	14.14	24.85	24	41	880	179	701
1281+00	128100.00	50.00	35.52	24.92	46	46	926	239	687
1281+50	128150.00	50.00	69.22	23.39	97	45	1,023	298	725
1282+00	128200.00	50.00	120.91	26.69	176	46	1,199	358	842
1282+50	128250.00	50.00	264.36	41.80	357	63	1,556	439	1,117
1283+00	128300.00	50.00	417.04	50.72	631	86	2,187	551	1,636
1283+50	128350.00	50.00	516.71	151.00	865	187	3,052	794	2,258
1283+91.419	128391.42	41.42	320.25	264.63	642	319	3,694	1,209	2,485
1284+02.384	128402.38	10.97	284.80	304.24	123	116	3,817	1,360	2,457

E SALVAGED/UNUSABLE PAVEMENT MATERIAL.

9

9

PROJECT NO: 1650-00-77 | HWY: USH 61 | COUNTY: GRANT | EARTHWORK DATA | SHEET 329 | E

Division 4 - STAGE 4 (NBA ALIGNMENT - REMOVE TEMPORARY SOUTH OF PROJECT BEGINNING)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1269+07.294	126907.29	0.00	0.00	23.22	0	0	0	0	0
1269+50	126950.00	42.71	0.00	38.33	0	49	0	64	-64
1269+63.964	126963.96	13.96	0.51	39.56	0	20	0	90	-90
1270+00	127000.00	36.04	0.05	36.04	0	50	0	155	-155
1270+50	127050.00	50.00	0.08	33.69	0	65	0	239	-239
1271+00	127100.00	50.00	0.13	35.58	0	64	0	322	-322
1271+50	127150.00	50.00	2.15	28.46	2	59	2	399	-397
1272+00	127200.00	50.00	7.72	29.11	9	53	11	468	-457
1272+50	127250.00	50.00	10.12	29.65	17	54	28	538	-510
1273+00	127300.00	50.00	13.54	28.79	22	54	50	608	-558
1273+50	127350.00	50.00	10.62	50.39	22	73	72	703	-631
1274+00	127400.00	50.00	8.38	86.96	18	127	90	868	-778
1274+50	127450.00	50.00	6.84	111.19	14	183	104	1,106	-1,002
1274+85	127485.00	35.00	4.50	160.52	7	176	111	1,335	-1,224

Division 4 - STAGE 4 (SBB ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1277+00	127700.00	0.00	78.11	2.48	0	0	0	0	0
1277+50	127750.00	50.00	96.70	0.00	162	2	162	3	159
1278+00	127800.00	50.00	119.65	0.00	200	0	362	3	359
1278+50	127850.00	50.00	115.74	0.00	218	0	580	3	577
1279+00	127900.00	50.00	115.09	0.84	214	1	794	4	790
1279+50	127950.00	50.00	88.85	4.96	189	5	983	10	973
1280+00	128000.00	50.00	81.24	9.26	157	13	1,140	27	1,113
1280+50	128050.00	50.00	86.91	8.66	156	17	1,296	49	1,247
1281+00	128100.00	50.00	9.61	11.15	89	18	1,385	73	1,312
1281+50	128150.00	50.00	13.61	19.25	21	28	1,406	109	1,297
1282+00	128200.00	50.00	39.35	26.44	49	42	1,455	164	1,291
1282+50	128250.00	50.00	21.00	56.30	56	77	1,511	264	1,247
1283+00	128300.00	50.00	0.00	143.70	19	185	1,530	504	1,026
1283+50	128350.00	50.00	0.00	147.70	0	270	1,530	855	675
1284+00	128400.00	50.00	0.00	128.33	0	256	1,530	1,188	342
1284+14.38	128414.38	14.38	0.21	113.81	0	64	1,530	1,271	259

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

Division 4 - STAGE 4 (WBA ALIGNMENT - REMOVE TEMPORARY EAST OF PROJECT BEGINNING)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1272+29.13	127229.13	0.00	0.00	16.68	0	0	0	0	0
1272+56.24	127256.24	27.11	0.05	33.06	0	25	0	33	-33
1273+00	127300.00	43.76	0.93	34.33	1	55	1	104	-103
1273+50	127350.00	50.00	0.08	47.78	1	76	2	203	-201
1274+00	127400.00	50.00	0.76	33.33	1	75	3	300	-297
1274+50	127450.00	50.00	0.01	31.34	1	60	4	378	-374
1275+00	127500.00	50.00	0.84	42.69	1	69	5	468	-463
1275+50	127550.00	50.00	3.73	123.82	4	154	9	668	-659
1275+58	127558.00	8.00	0.81	143.73	1	40	10	720	-710

Division 4 - STAGE 4 (WBA ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1275+58	127558.00	0.00	25.51	0.00	0	0	0	0	0
1276+00	127600.00	42.00	21.53	0.00	37	0	37	0	37
1276+50	127650.00	50.00	20.89	0.00	39	0	76	0	76
1277+00	127700.00	50.00	20.51	0.00	38	0	114	0	114
1277+50.489	127750.49	50.49	22.43	0.00	40	0	154	0	154
1278+00	127800.00	49.51	27.75	0.00	46	0	200	0	200
1278+50	127850.00	50.00	31.26	0.00	55	0	255	0	255
1278+75.966	127875.97	25.97	41.48	0.00	35	0	290	0	290

DIVISION 4 - STAGE 4 (WBA ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1283+43.325	128343.33	0.00	0.08	0.00	0	0	0	0	0
1283+50	128350.00	6.67	23.19	13.27	3	2	3	3	0
1284+00	128400.00	50.00	26.95	48.24	46	57	49	77	-28
1284+50	128450.00	50.00	31.93	81.07	55	120	104	233	-129
1285+00	128500.00	50.00	26.82	167.30	54	230	158	532	-374
1285+30.346	128530.35	30.35	7.89	265.47	20	243	178	848	-670
1285+50	128550.00	19.65	7.42	313.55	6	211	184	1,122	-938
1285+75	128575.00	25.00	6.97	202.91	7	239	191	1,433	-1,242
1286+00	128600.00	25.00	8.83	113.01	7	146	198	1,622	-1,424
1286+25	128625.00	25.00	197.32	81.96	95	90	293	1,739	-1,446
1286+50	128650.00	25.00	304.83	74.70	232	73	525	1,834	-1,309

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

9

9

PROJECT NO: 1650-00-77 | HWY: USH 61 | COUNTY: GRANT | EARTHWORK DATA | SHEET 331 | E

DIVISION 4 - STAGE 4 (EBB ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1278+75.966	127875.97	0.00	41.48	0.00	0	0	0	0	0
1279+00	127900.00	24.03	44.06	0.00	38	0	38	0	38
1279+50	127950.00	50.00	70.25	0.00	106	0	144	0	144
1280+00	128000.00	50.00	54.79	0.00	116	0	260	0	260
1280+50	128050.00	50.00	44.03	0.00	92	0	352	0	352
1281+00	128100.00	50.00	30.72	0.00	69	0	421	0	421
1281+50	128150.00	50.00	21.76	9.27	49	9	470	12	458
1282+00	128200.00	50.00	21.71	3.98	40	12	510	27	483
1282+50	128250.00	50.00	20.92	4.25	39	8	549	38	511
1283+00	128300.00	50.00	20.30	3.36	38	7	587	47	540
1283+50	128350.00	50.00	19.61	1.97	37	5	624	53	571
1284+00	128400.00	50.00	11.27	0.18	29	2	653	56	597
1284+50	128450.00	50.00	19.58	0.00	29	0	682	56	626
1285+00	128500.00	50.00	48.16	18.02	63	17	745	78	667
1285+50	128550.00	50.00	107.36	20.89	144	36	889	125	764
1286+00	128600.00	50.00	218.25	33.54	301	50	1,190	190	1,000
1286+39.89	128639.89	39.89	233.07	271.77	333	226	1,523	484	1,039
1286+58.463	128658.46	18.57	100.99	265.16	115	185	1,638	724	914

DIVISION 4 - STAGE 4 (AUPPERLE RD)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
287+10	28710.00	0.00	77.07	3.82	0	0	0	0	0
287+50	28750.00	40.00	134.23	4.23	157	6	157	8	149
287+90.224	28790.22	40.22	196.16	8.57	246	10	403	21	382
287+95	28795.00	4.78	193.37	19.36	34	2	437	23	414
288+00	28800.00	5.00	202.43	10.02	37	3	474	27	447
288+05	28805.00	5.00	220.91	9.42	39	2	513	30	483
288+10	28810.00	5.00	207.71	10.17	40	2	553	33	521
288+15	28815.00	5.00	190.16	11.96	37	2	590	35	555
288+20	28820.00	5.00	119.37	17.62	29	3	619	39	580
288+25	28825.00	5.00	53.43	22.61	16	4	635	44	591
288+30	28830.00	5.00	59.55	1.40	10	2	645	47	598
288+35	28835.00	5.00	75.79	0.00	13	0	658	47	611
288+40	28840.00	5.00	64.28	0.00	13	0	671	47	624
288+45	28845.00	5.00	51.22	0.00	11	0	682	47	635
288+50	28850.00	5.00	36.63	0.00	8	0	690	47	643
288+55	28855.00	5.00	29.89	0.00	6	0	696	47	649
288+60	28860.00	5.00	4.11	0.00	3	0	699	47	652

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

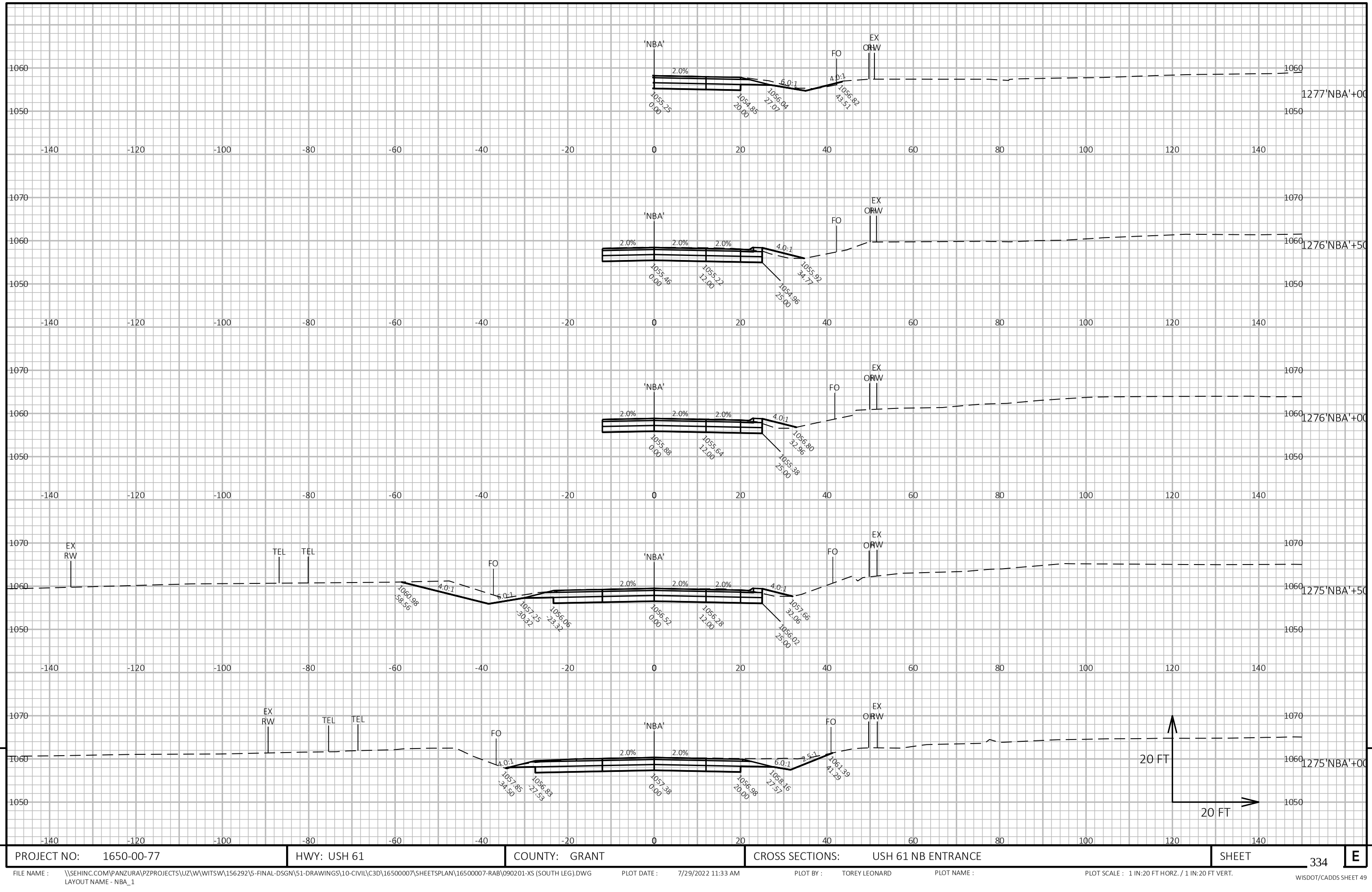
DIVISION 4 - STAGE 4 (CID ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
10+00	1000.00	0.00	112.19	23.49	0	0	0	0	0
10+25	1025.00	25.00	0.45	125.39	52	69	52	90	-38
10+29.499	1029.50	4.50	0.00	157.63	0	24	52	121	-69
10+50	1050.00	20.50	36.46	494.12	14	247	66	442	-376
10+75	1075.00	25.00	1.60	79.39	18	266	84	788	-704
11+00	1100.00	25.00	30.30	18.99	15	46	99	848	-749
11+18.292	1118.29	18.29	29.99	19.55	20	13	119	865	-746
11+25	1125.00	6.71	21.93	31.79	6	6	125	872	-747
11+50	1150.00	25.00	30.35	90.89	24	57	149	946	-797
11+75	1175.00	25.00	116.51	39.51	68	60	217	1,024	-807
12+00	1200.00	25.00	430.80	22.30	253	29	470	1,062	-592
12+25	1225.00	25.00	210.72	7.98	297	14	767	1,080	-313
12+34.826	1234.83	9.83	126.16	7.78	61	3	828	1,084	-256
12+50	1250.00	15.17	96.30	8.65	63	5	891	1,091	-200
12+75	1275.00	25.00	64.51	13.45	74	10	965	1,104	-139
13+00	1300.00	25.00	154.58	171.91	101	86	1,066	1,216	-150
13+04.779	1304.78	4.78	201.05	311.44	31	43	1,097	1,271	-174
13+25	1325.00	20.22	274.94	19.00	178	124	1,275	1,433	-158
13+42.8	1342.80	17.80	124.08	22.85	132	14	1,407	1,451	-44

DIVISION 4 - STAGE 4 (SBA ALIGNMENT)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
1286+84.437	128684.44	0.00	531.86	0.00	0	0	0	0	0
1287+00	128700.00	15.56	497.57	0.00	297	0	297	0	297
1287+25	128725.00	25.00	564.07	0.00	491	0	788	0	788
1287+50	128750.00	25.00	621.47	0.00	549	0	1,337	0	1,337
1287+75	128775.00	25.00	662.98	0.00	595	0	1,932	0	1,932
1288+00	128800.00	25.00	548.40	3.96	561	2	2,493	3	2,490
1288+00.677	128800.68	0.68	544.73	3.82	14	0	2,507	3	2,504

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.



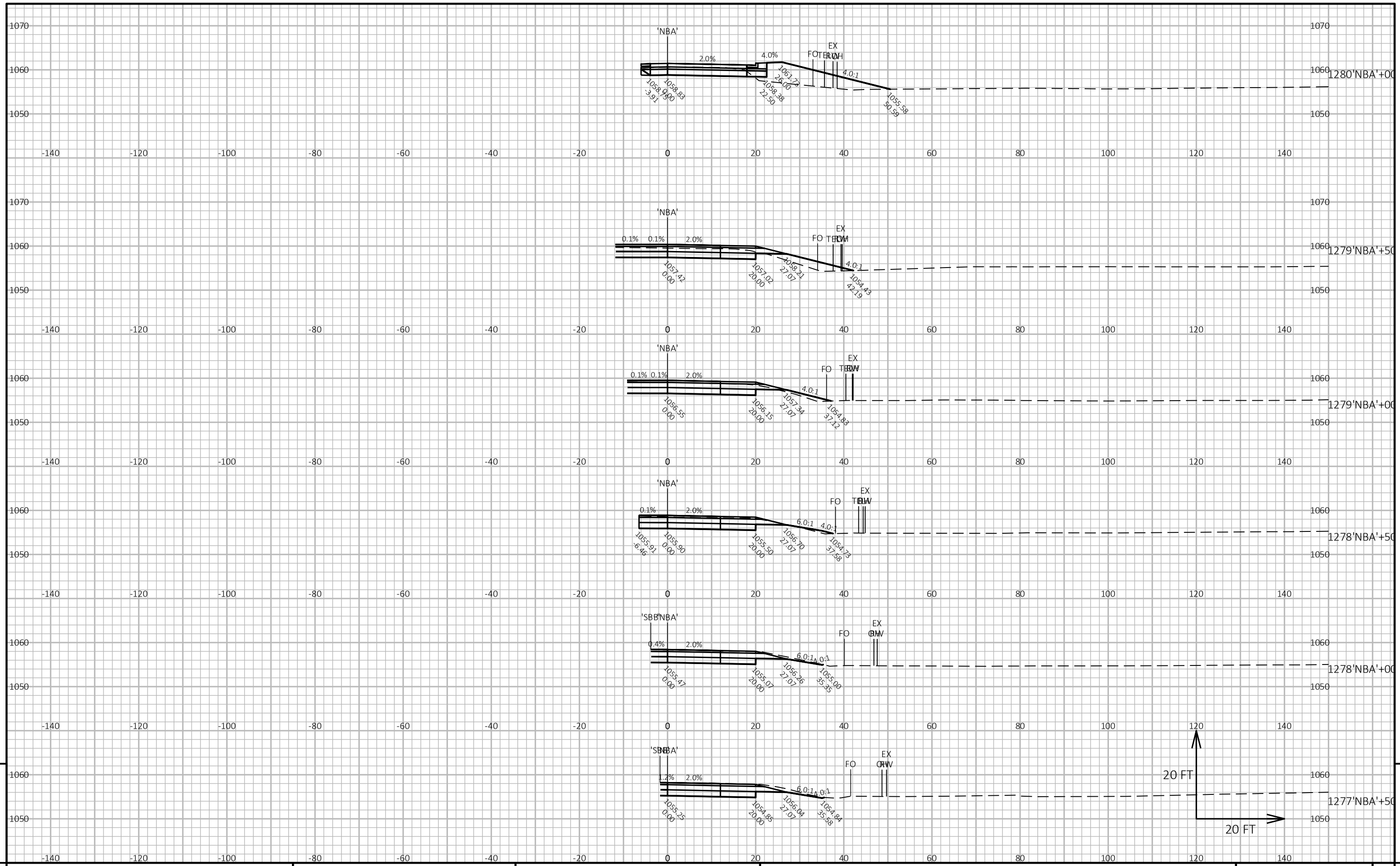
9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 NB ENTRANCE	SHEET 334	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - NBA_1

PLOT DATE : 7/29/2022 11:33 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

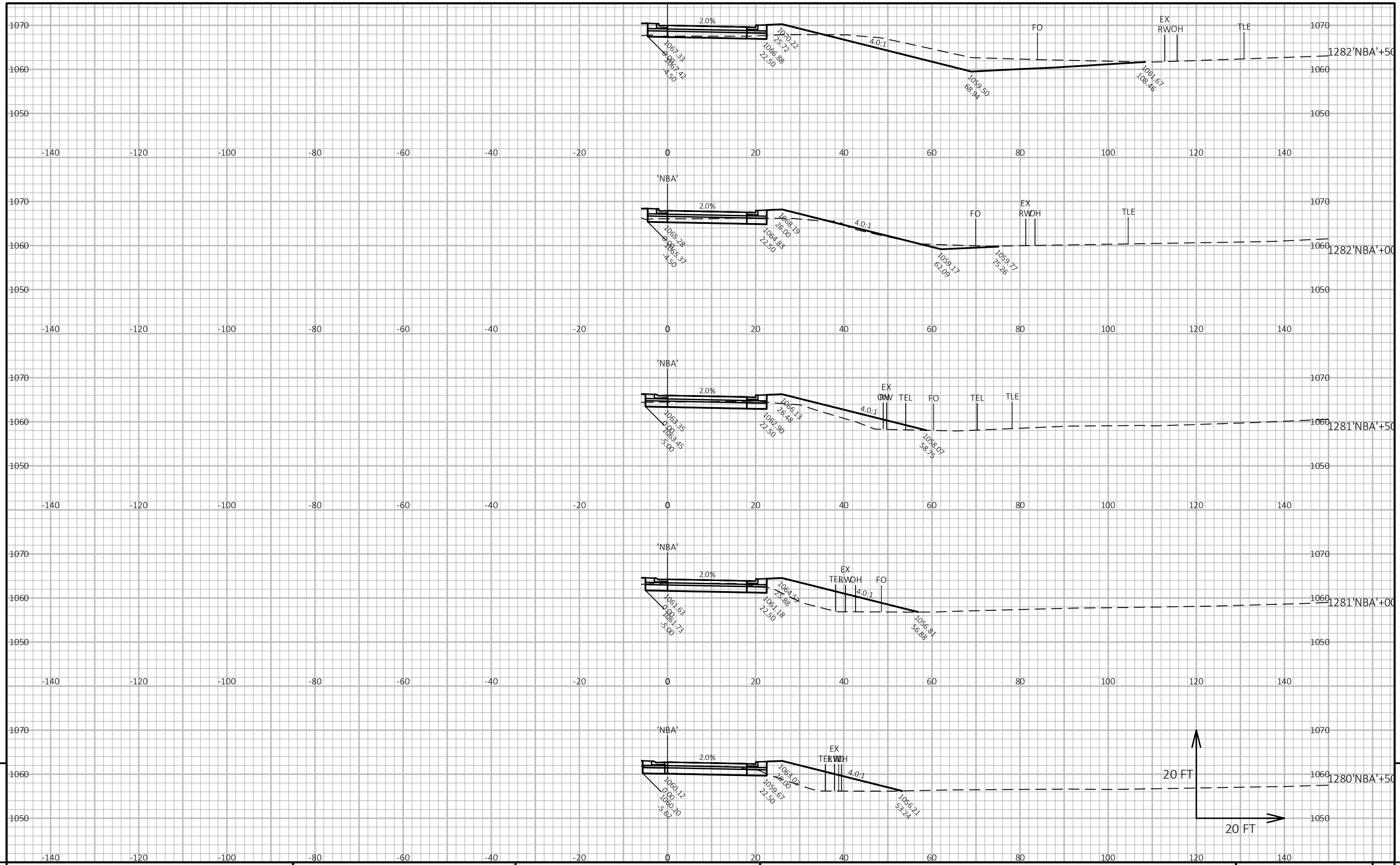


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 NB ENTRANCE	SHEET 335	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - NBA_2

PLOT DATE : 7/29/2022 11:33 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

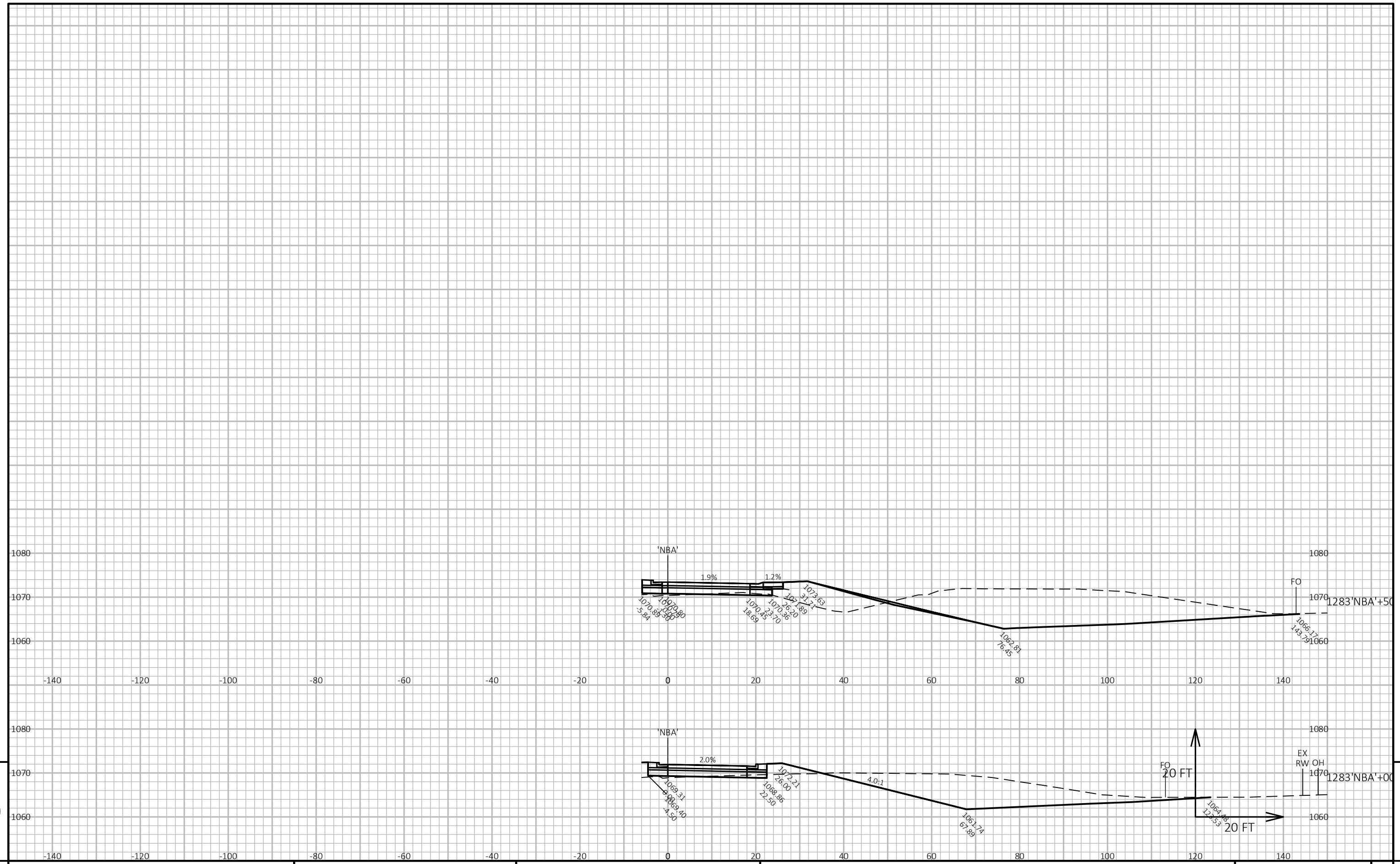
WISDOT/CADDS SHEET 49



9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 NB ENTRANCE	SHEET 336	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - NBA_3
PLOT DATE : 7/29/2022 11:34 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

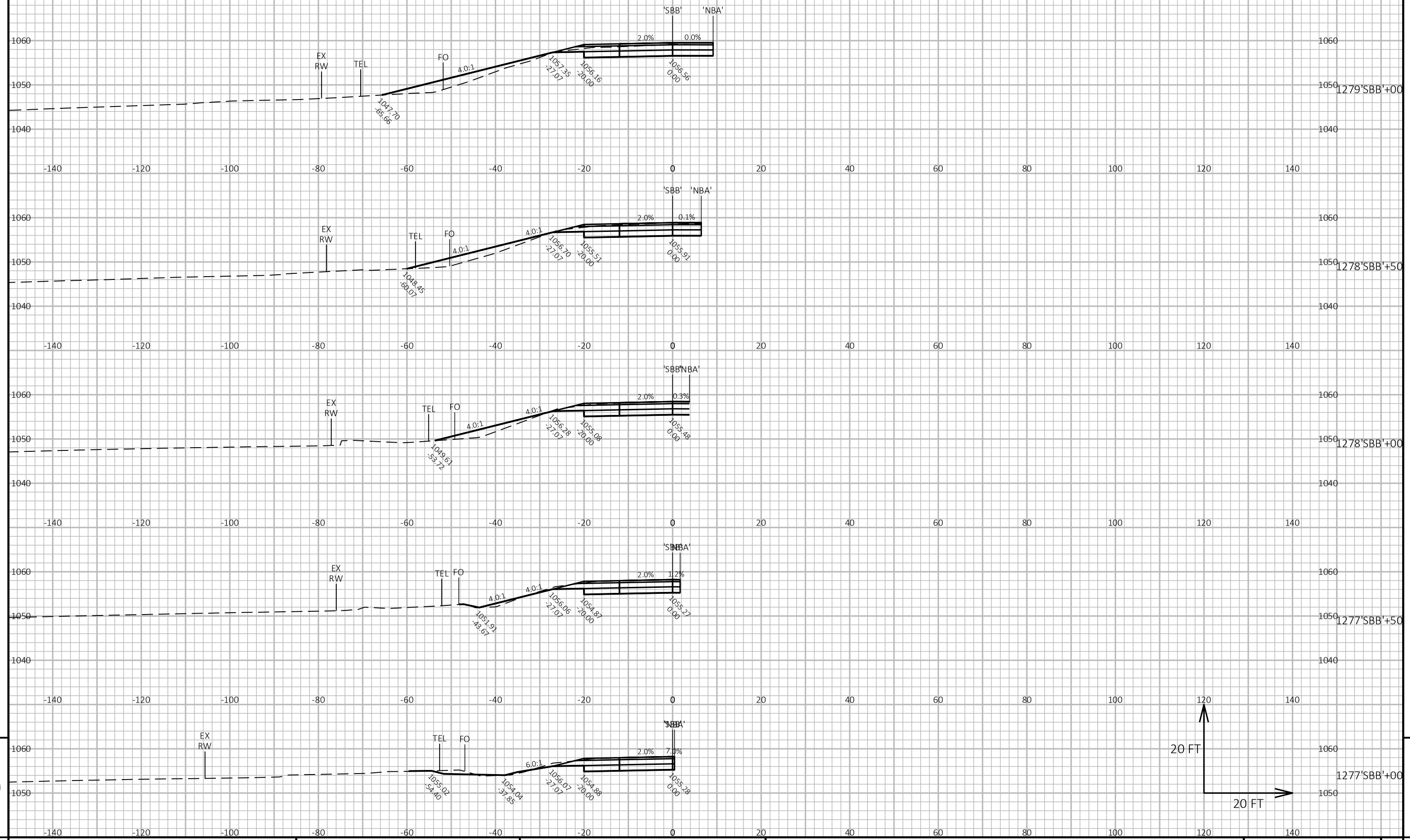
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 NB ENTRANCE	SHEET 337	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - NBA_4

PLOT DATE : 7/29/2022 11:34 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

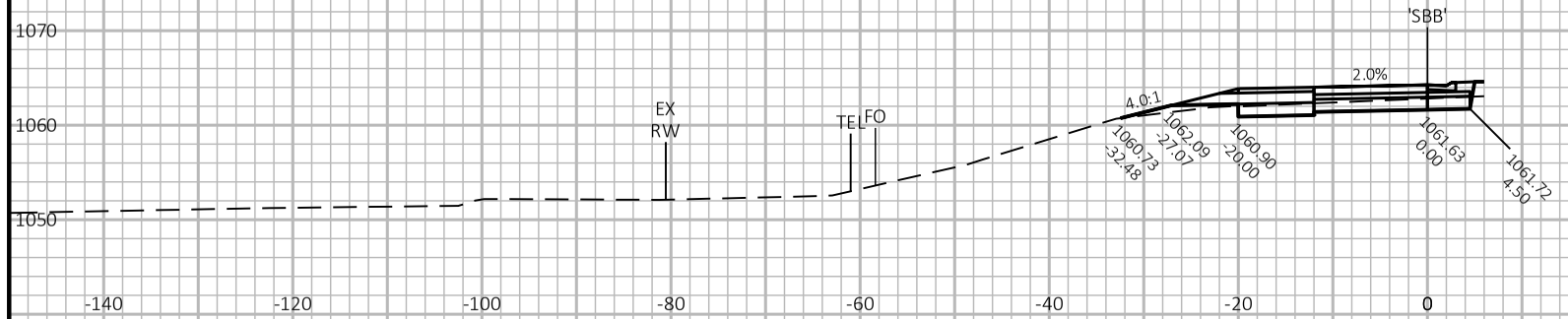
9

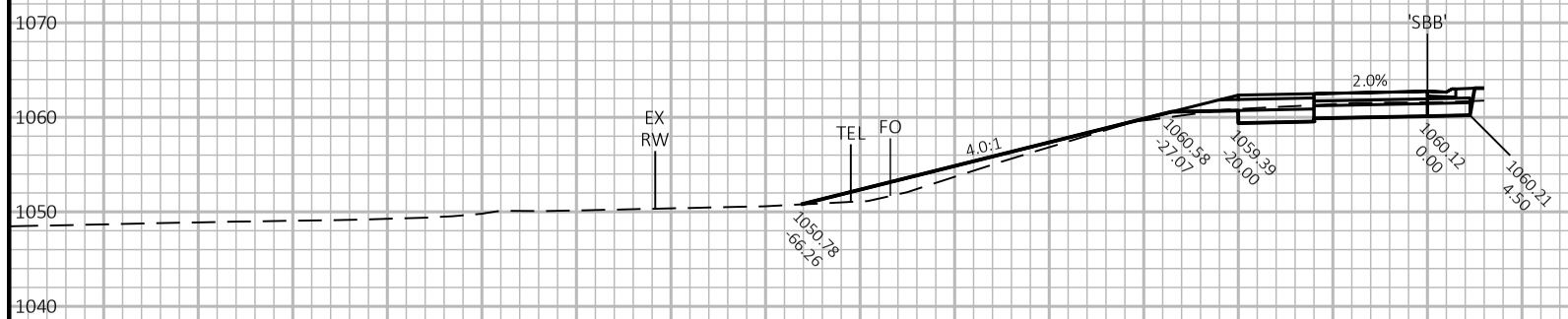
PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 SB EXIT	SHEET 338	E

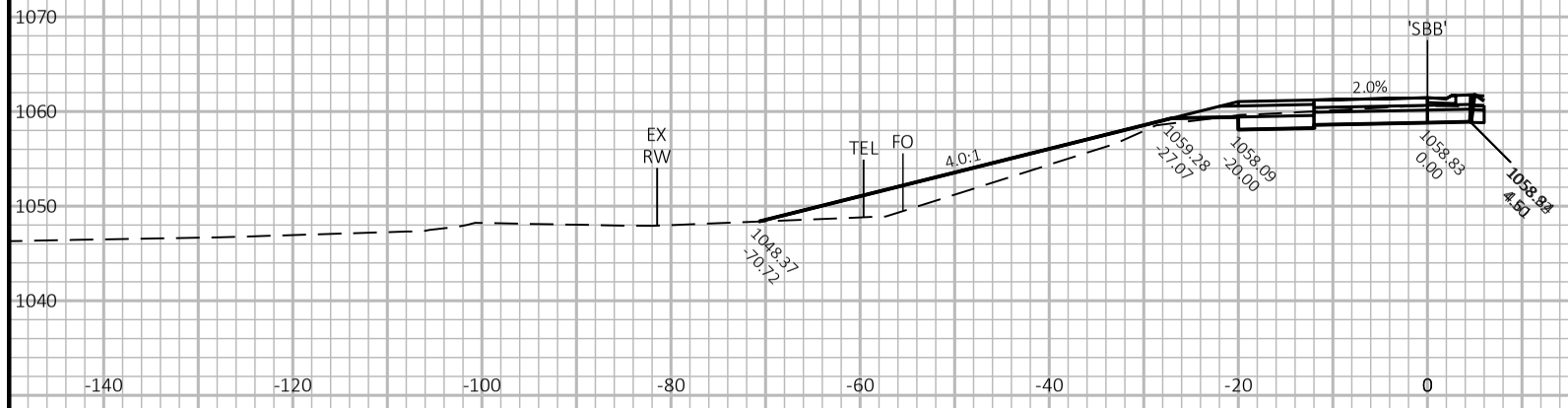
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - SBB_1

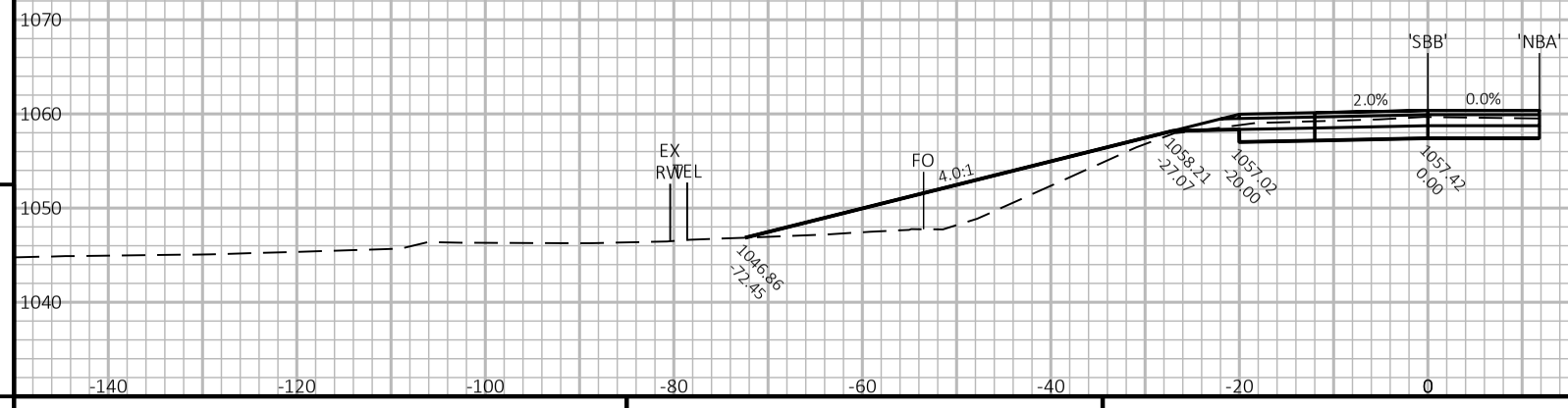
PLOT DATE : 7/29/2022 11:54 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49









1281'SBB'+00

1280'SBB'+50

1280'SBB'+00

1279'SBB'+50

20 FT

20 FT

9

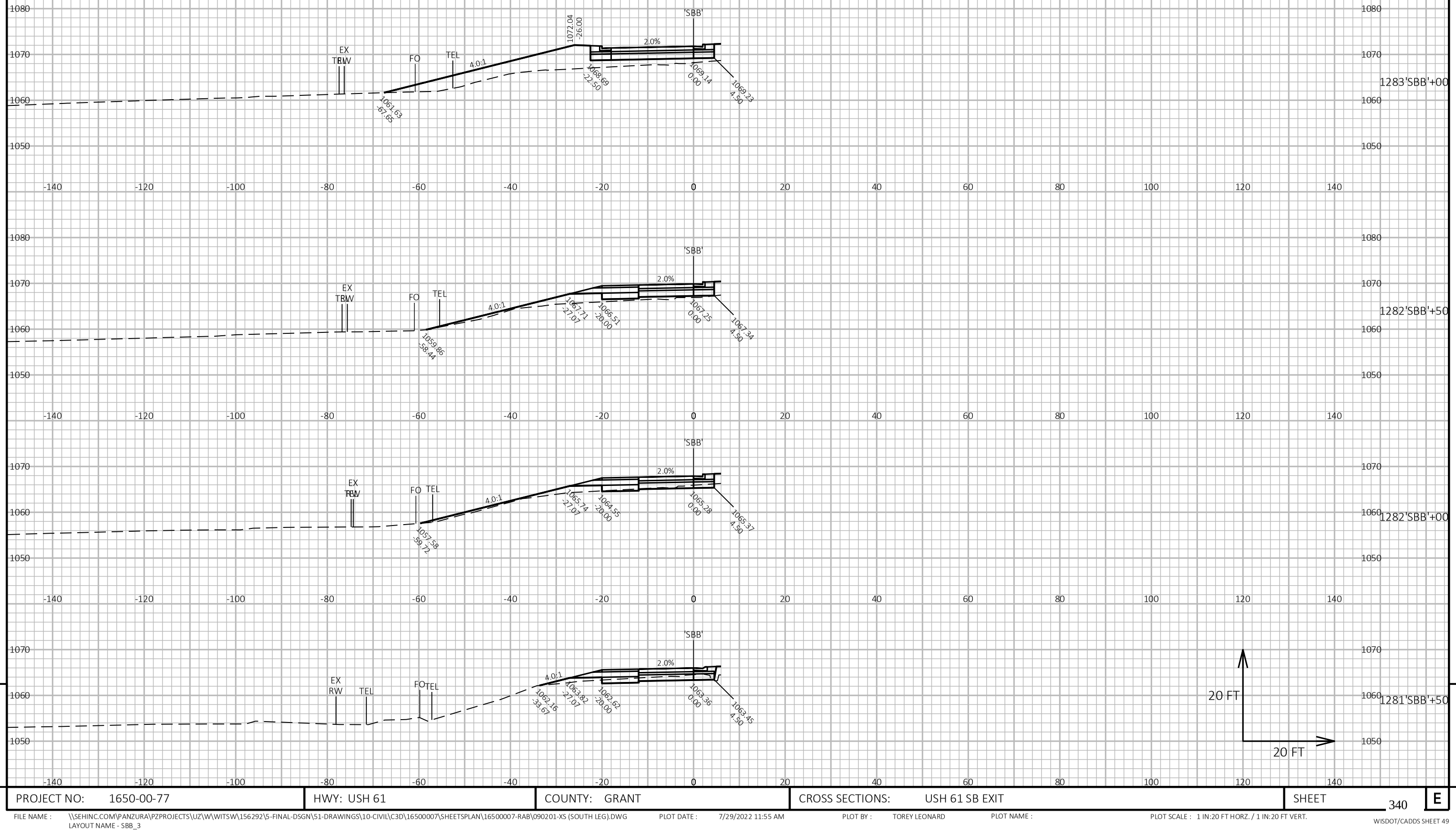
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 SB EXIT	SHEET 339	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - SBB_2

PLOT DATE : 7/29/2022 11:55 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

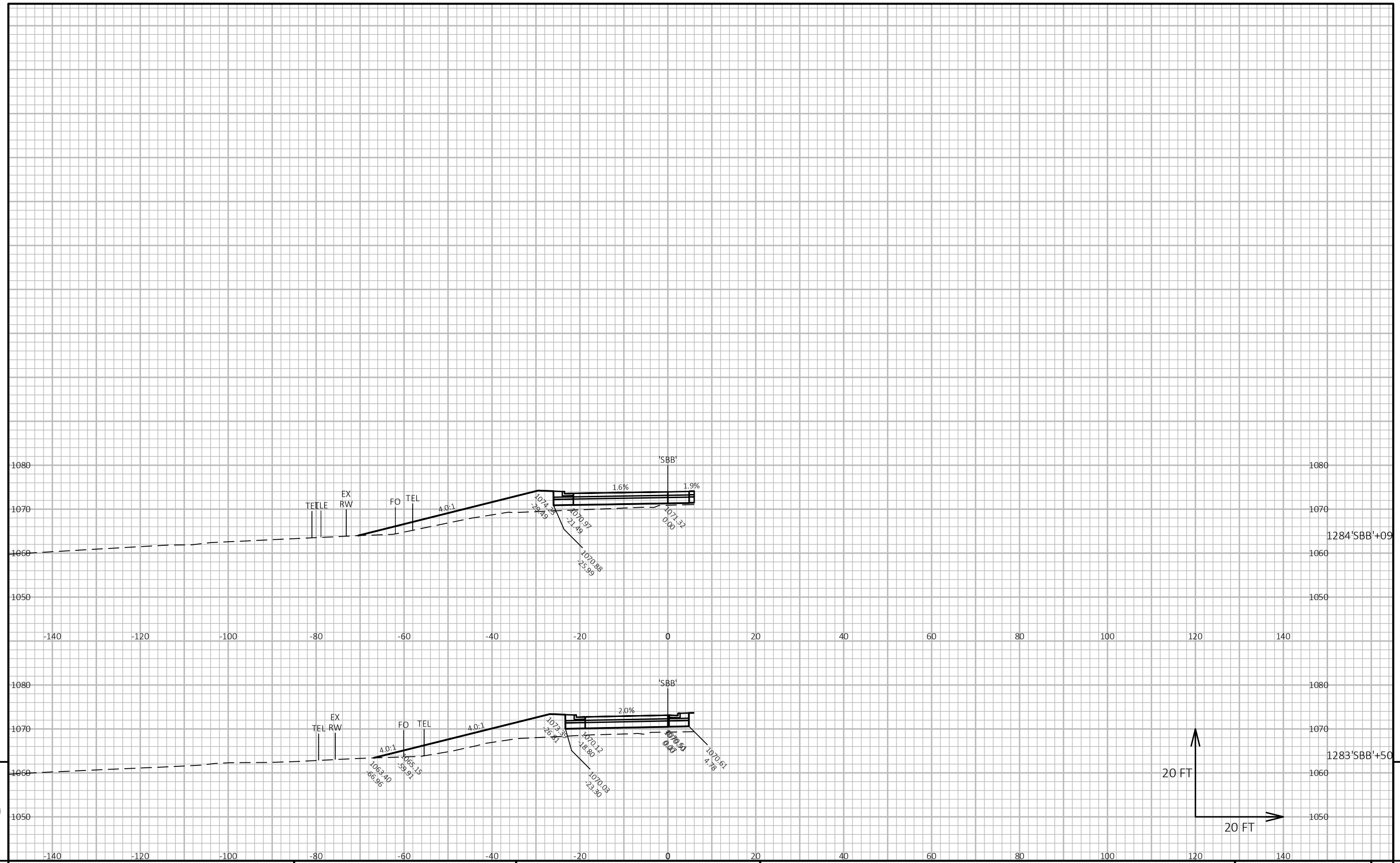


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 SB EXIT	SHEET 340	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - SBB_3
PLOT DATE : 7/29/2022 11:55 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

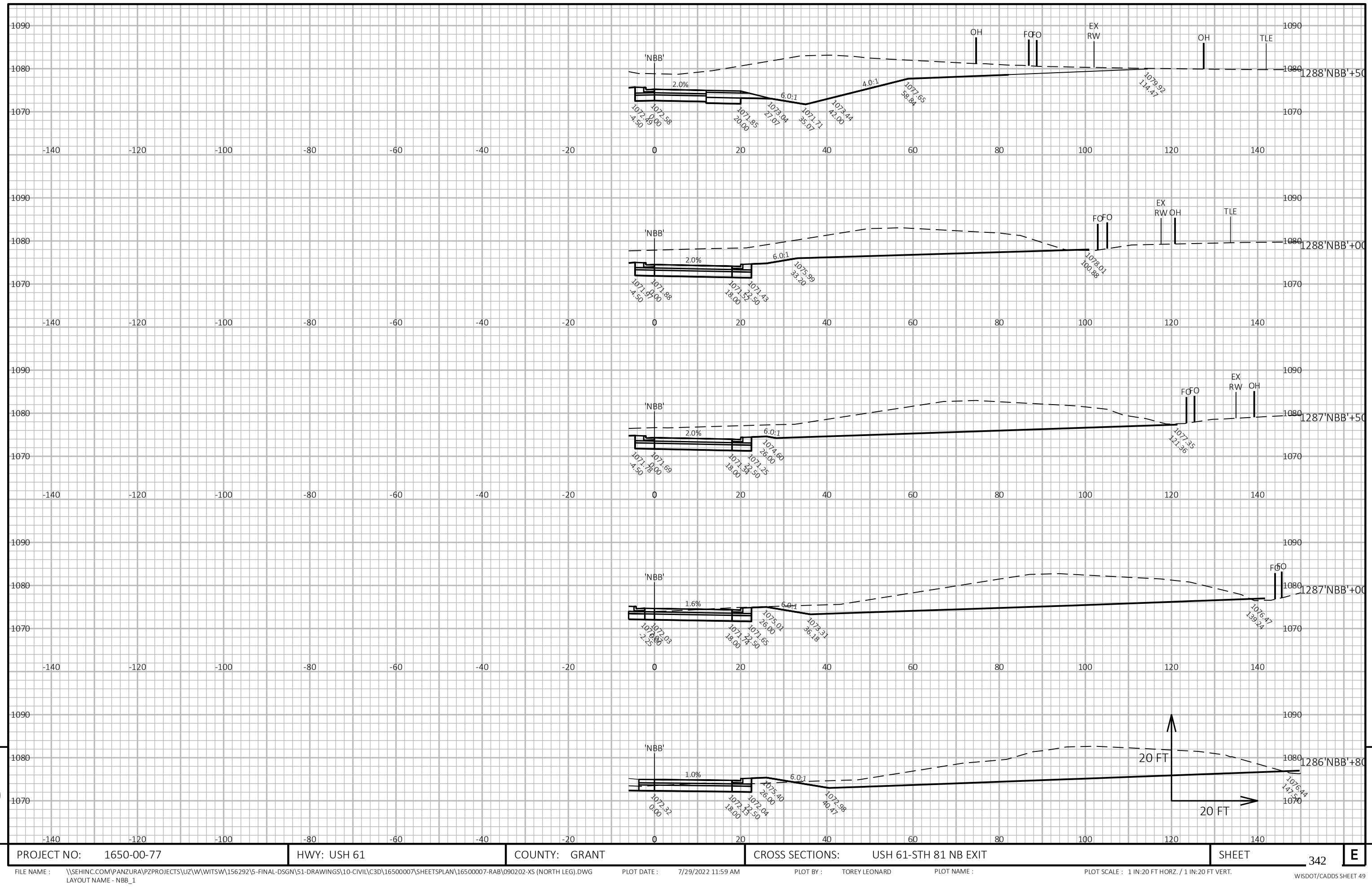
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61 SB EXIT	SHEET 341	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (SOUTH LEG).DWG
LAYOUT NAME - SBB_4

PLOT DATE : 7/29/2022 11:55 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

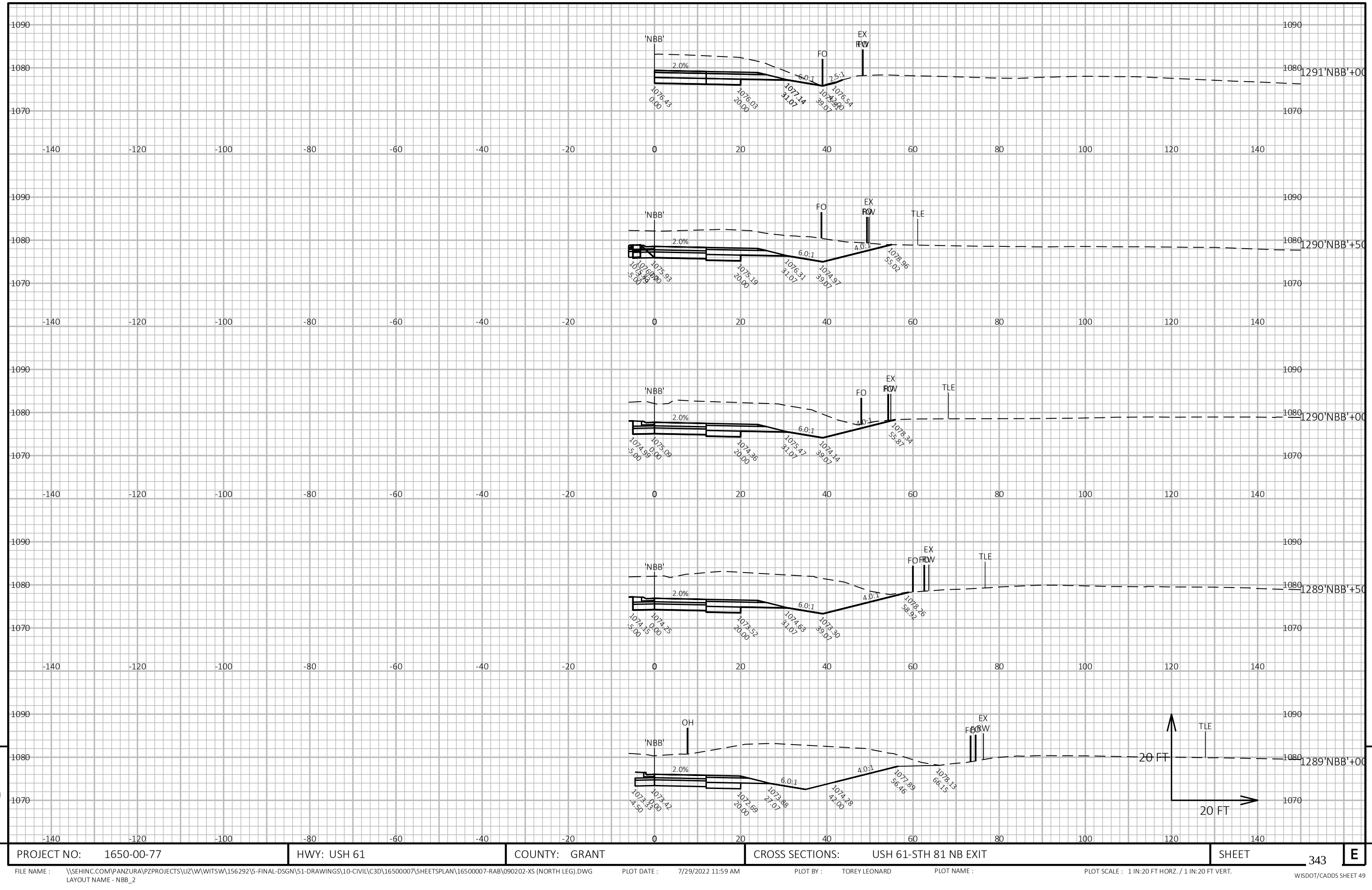
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 342	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_1

PLOT DATE : 7/29/2022 11:59 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



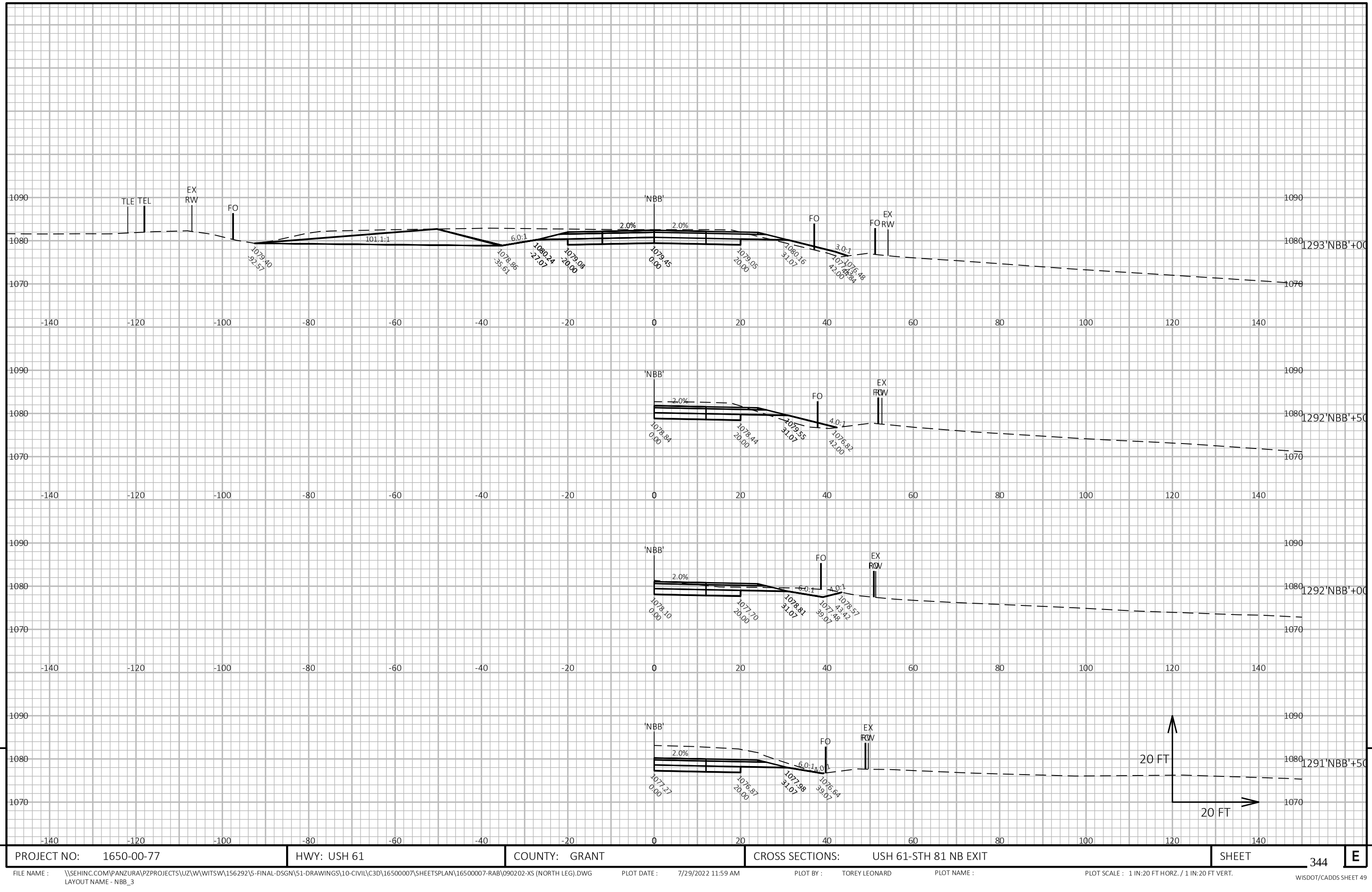
9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 343	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_2

PLOT DATE : 7/29/2022 11:59 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

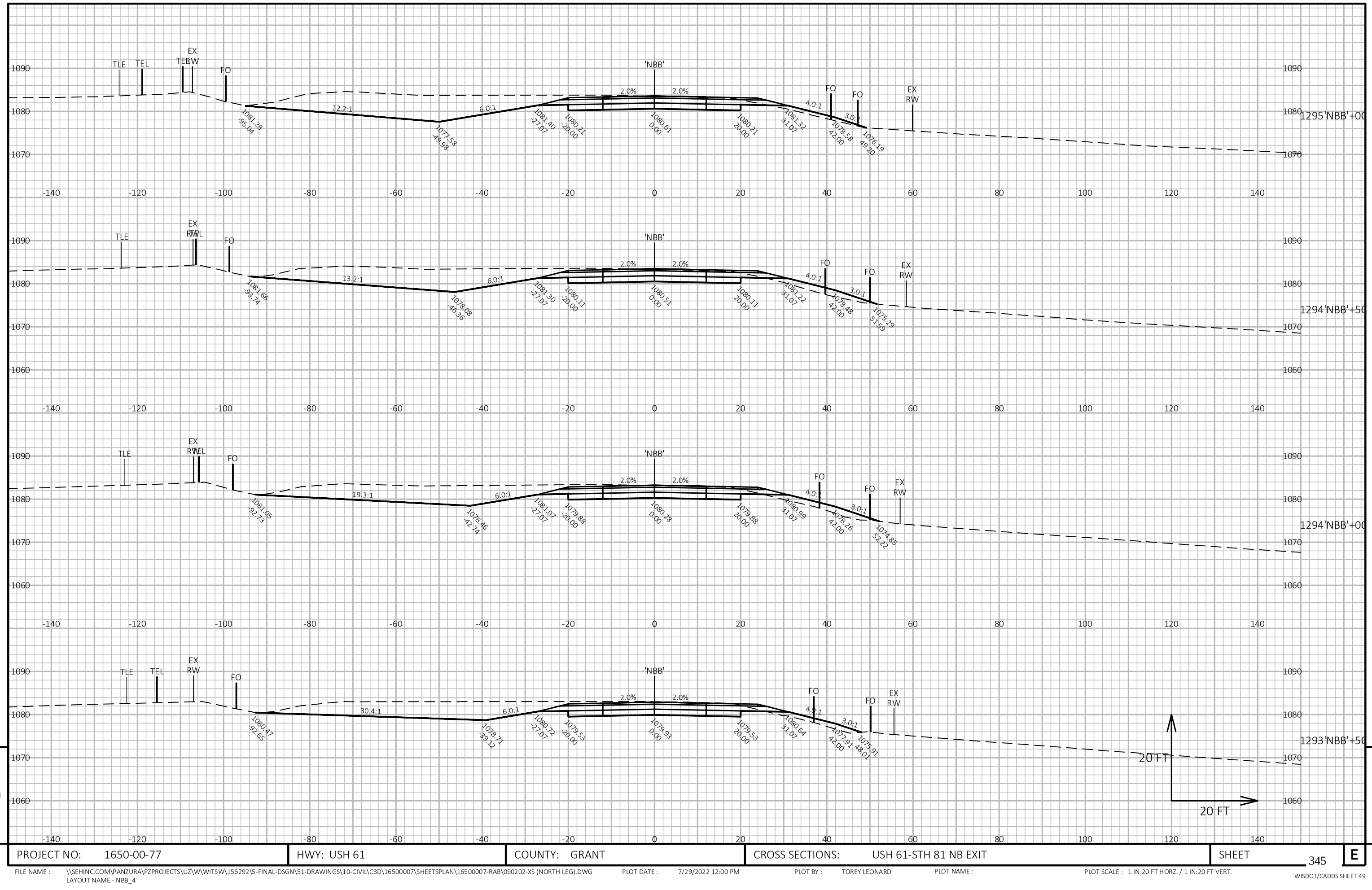
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 344	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_3

PLOT DATE : 7/29/2022 11:59 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 345	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_4

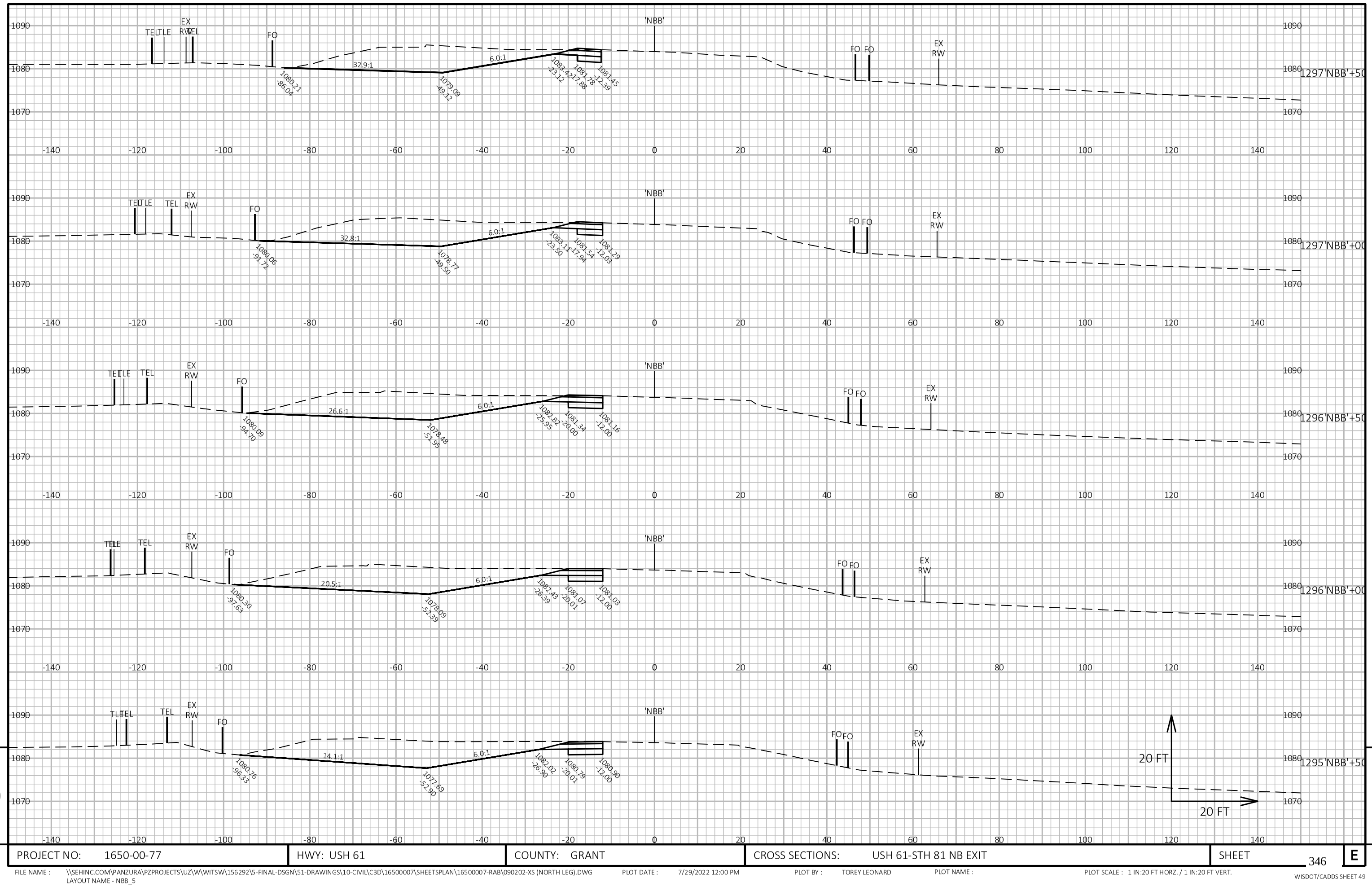
PLOT DATE : 7/29/2022 12:00 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

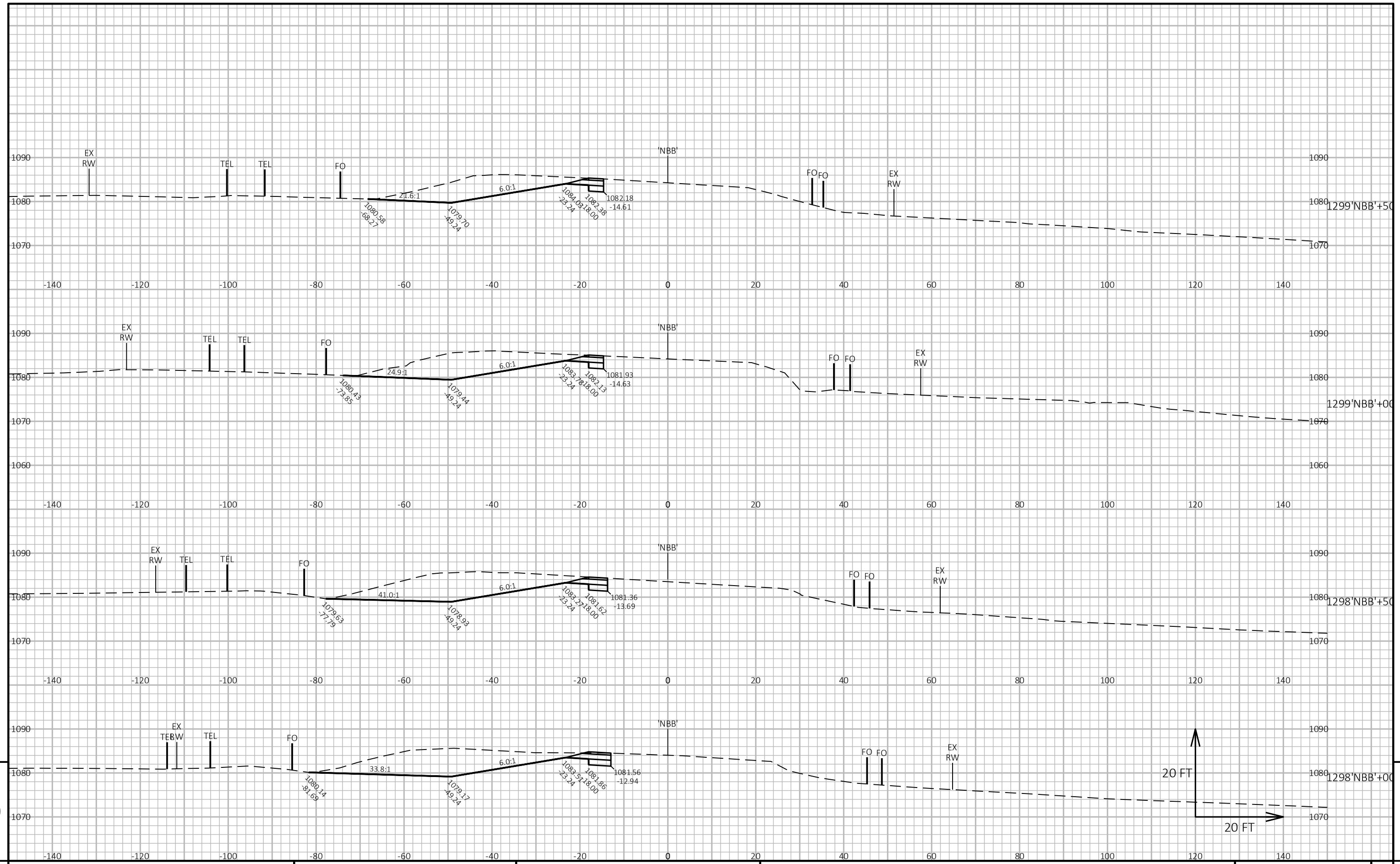
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 346	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_5

PLOT DATE : 7/29/2022 12:00 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

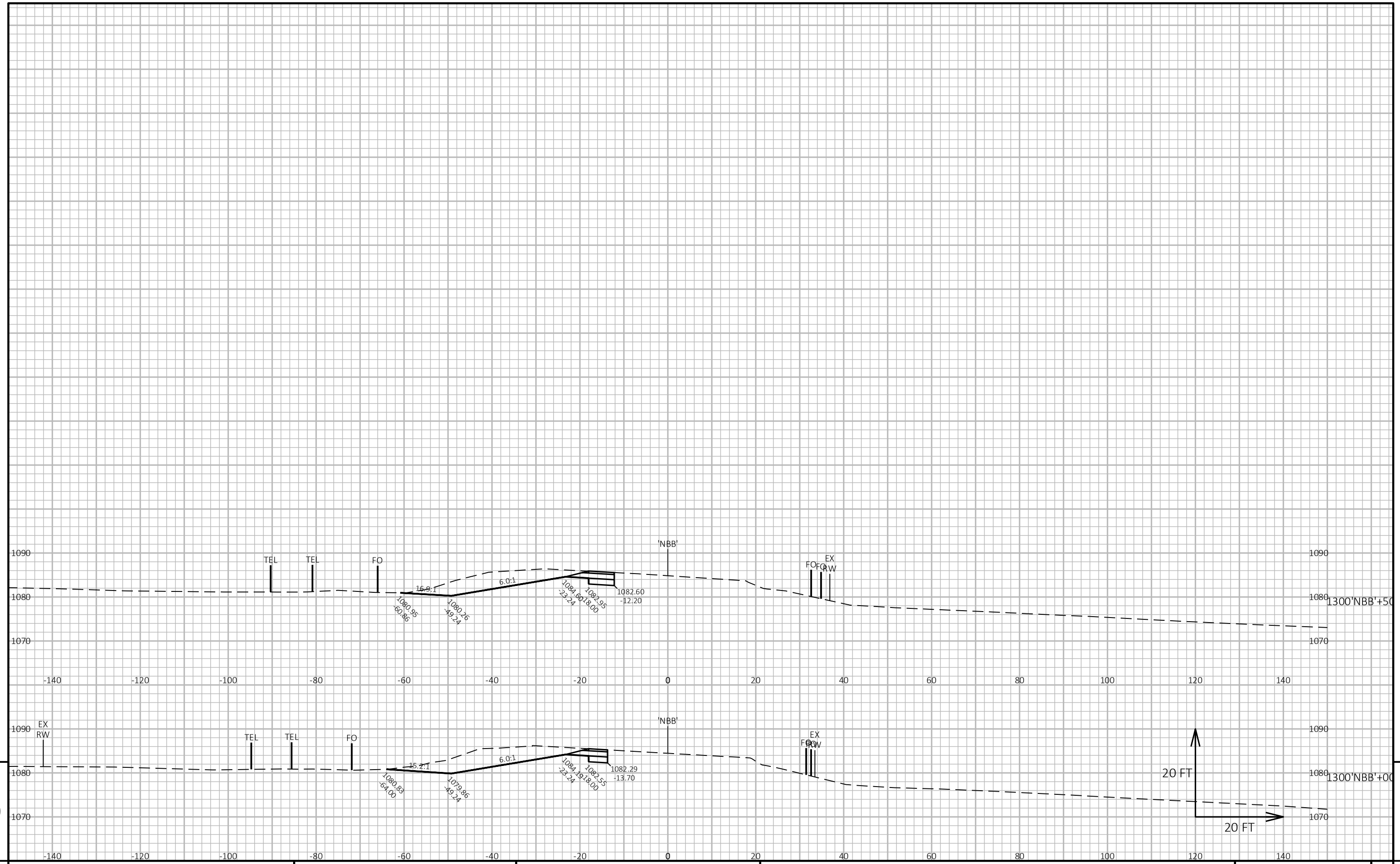


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 347	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_6

PLOT DATE : 7/29/2022 12:00 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



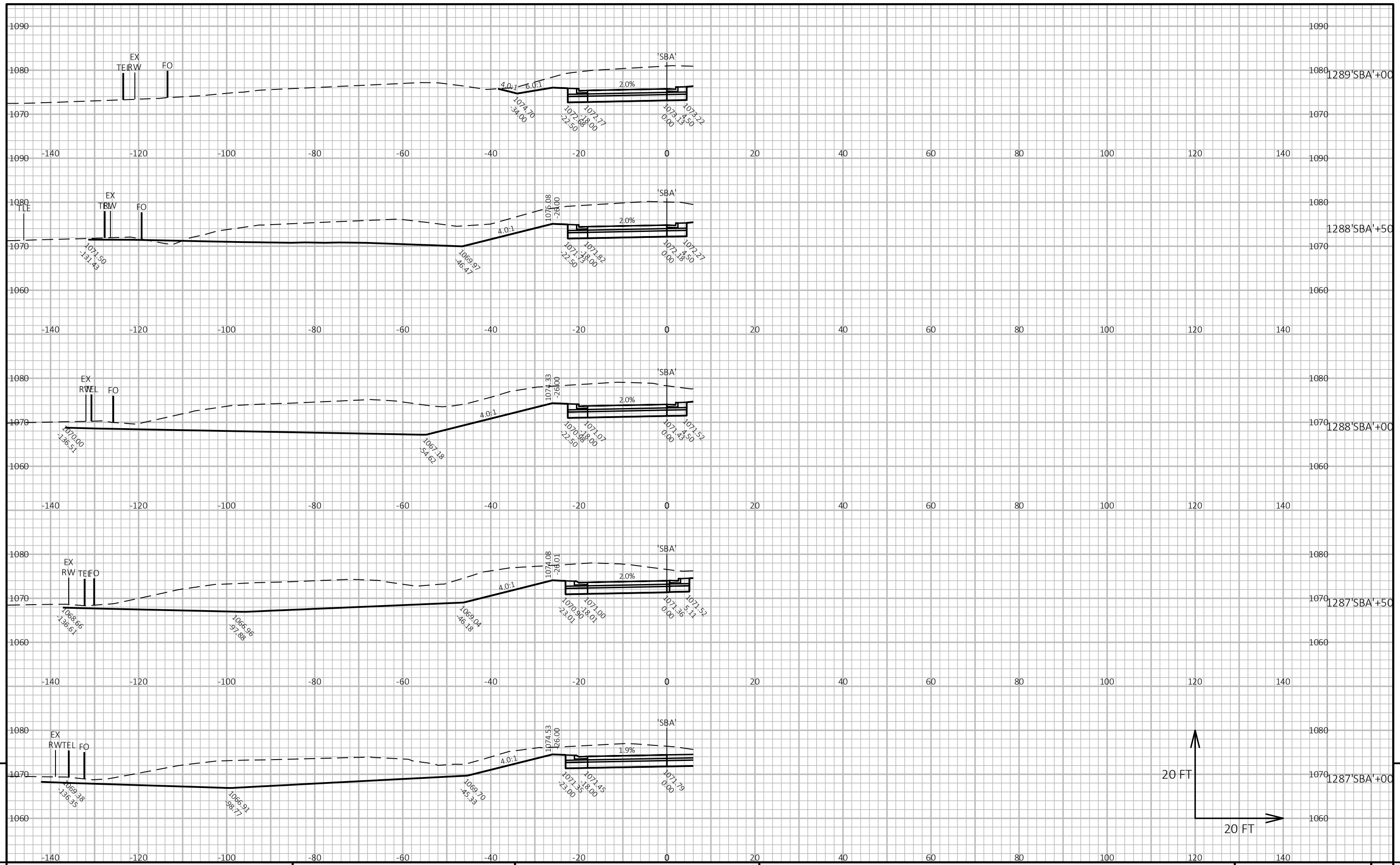
9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 NB EXIT	SHEET 348	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - NBB_7

PLOT DATE : 7/29/2022 12:00 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



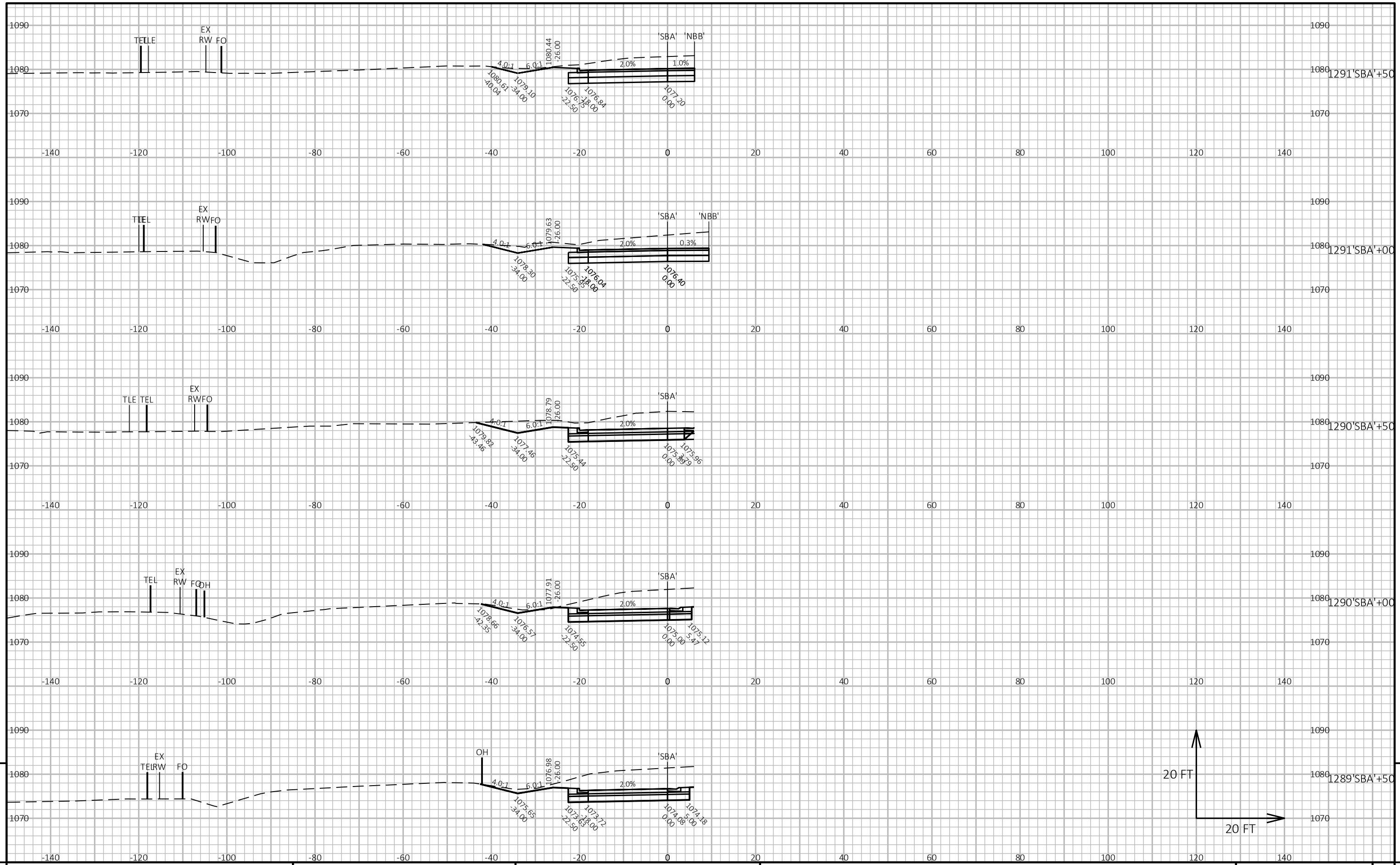
9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 SB ENTRANCE	SHEET 349	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - SBA_1

PLOT DATE : 7/29/2022 12:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

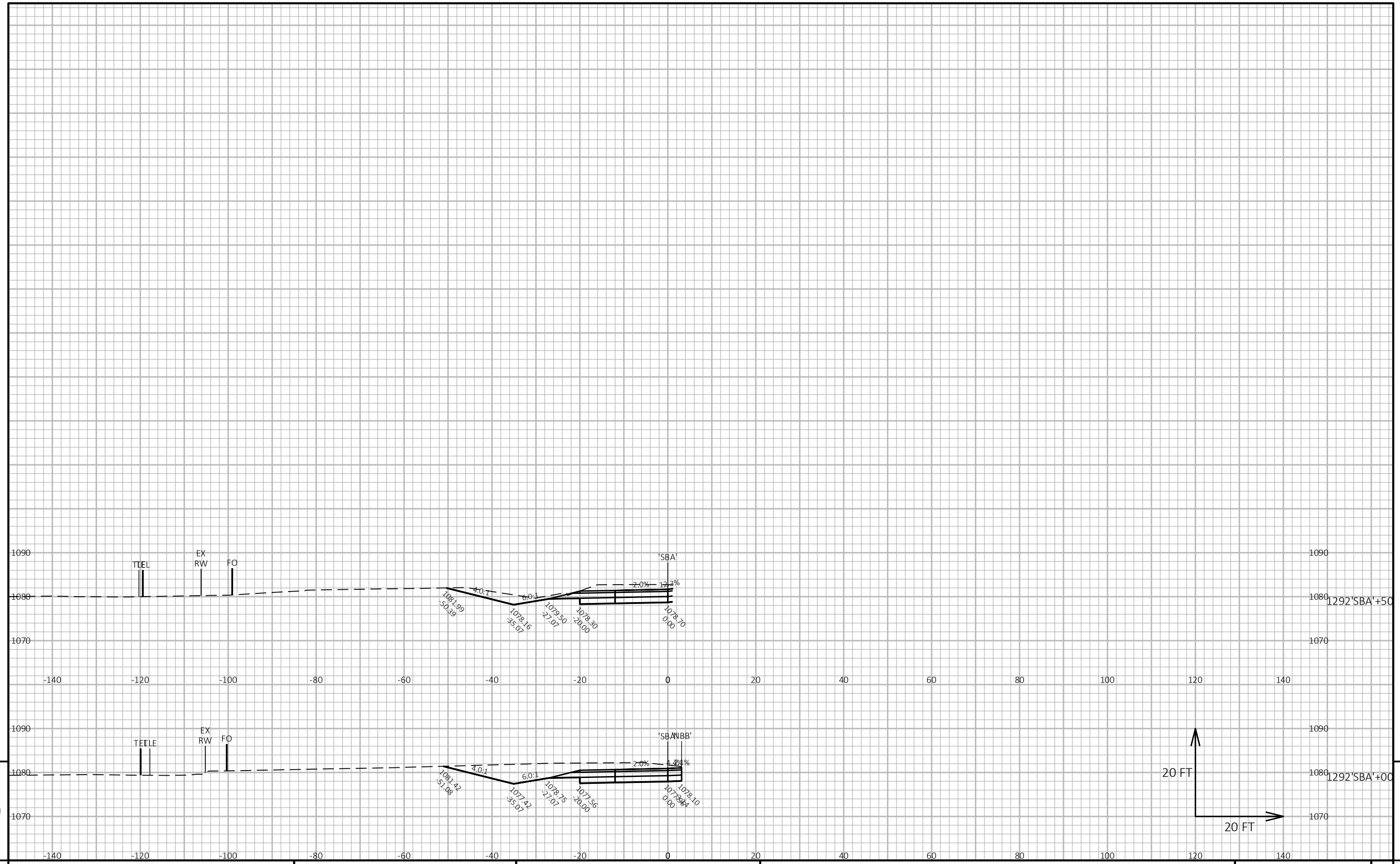


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 SB ENTRANCE	SHEET 350	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - SBA_2

PLOT DATE : 7/29/2022 12:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

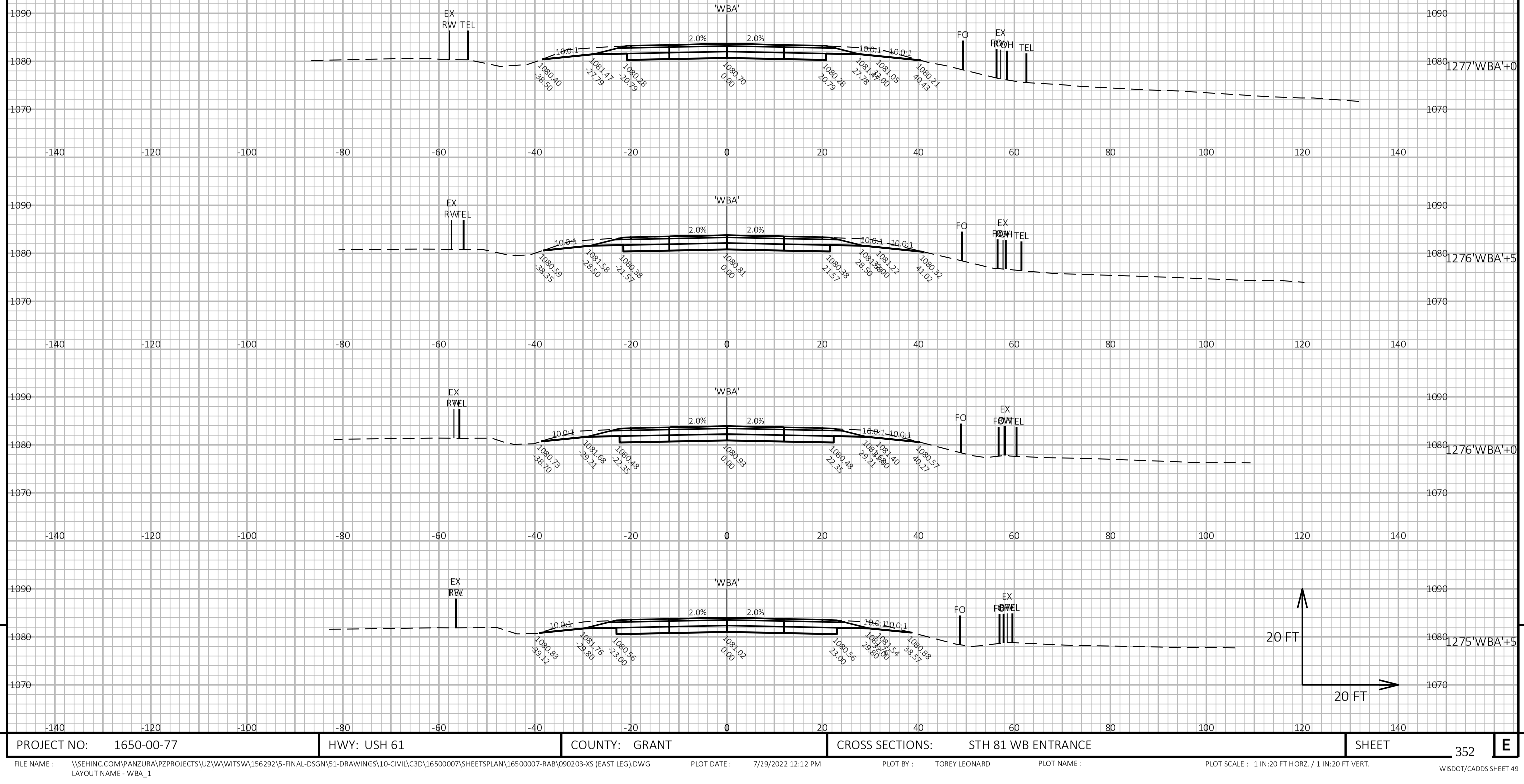
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: USH 61-STH 81 SB ENTRANCE	SHEET 351	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090202-XS (NORTH LEG).DWG
LAYOUT NAME - SBA_3

PLOT DATE : 7/29/2022 12:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

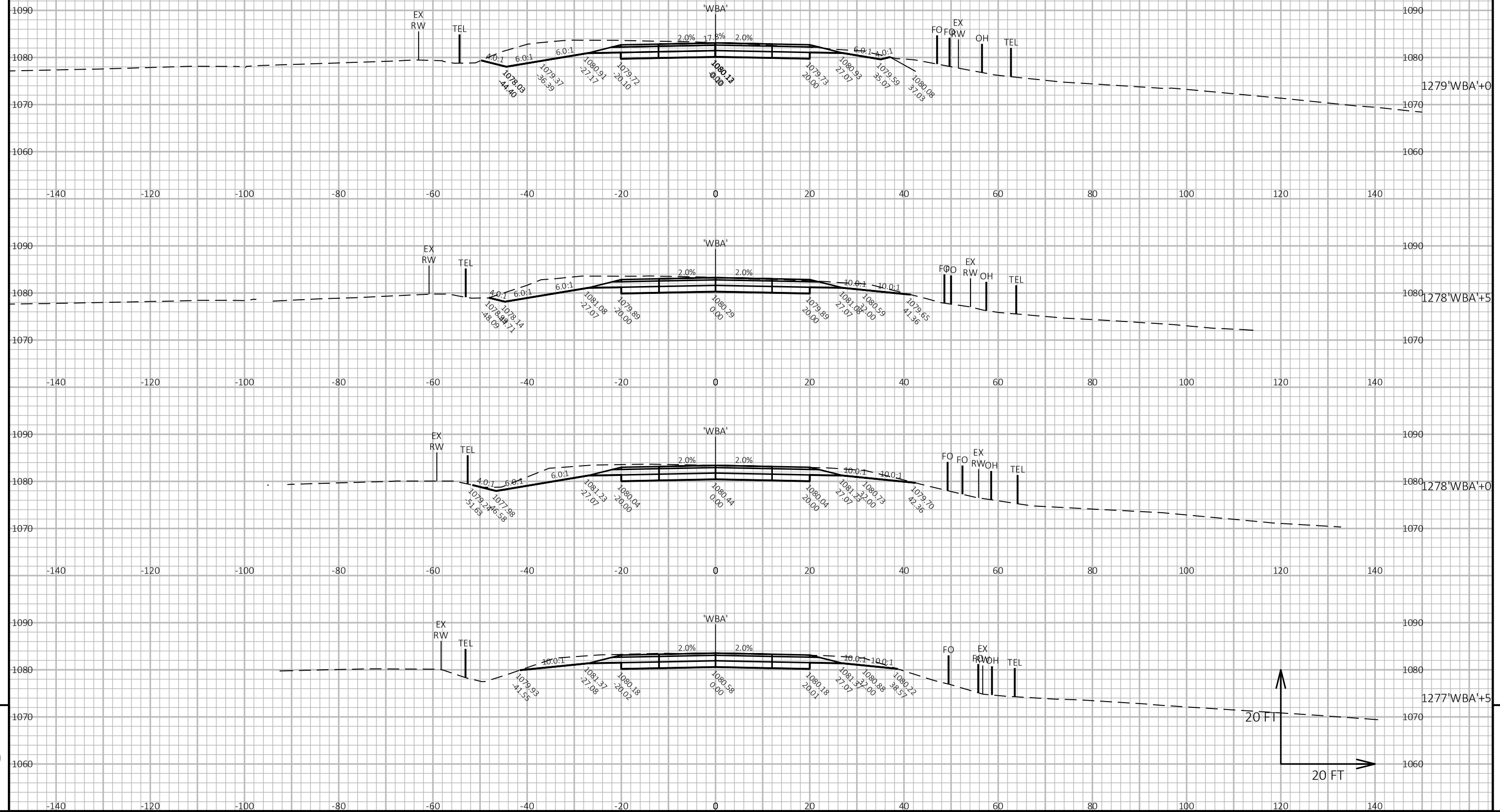
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 WB ENTRANCE	SHEET 352	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - WBA_1

PLOT DATE : 7/29/2022 12:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 WB ENTRANCE	SHEET 353	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - WBA_2

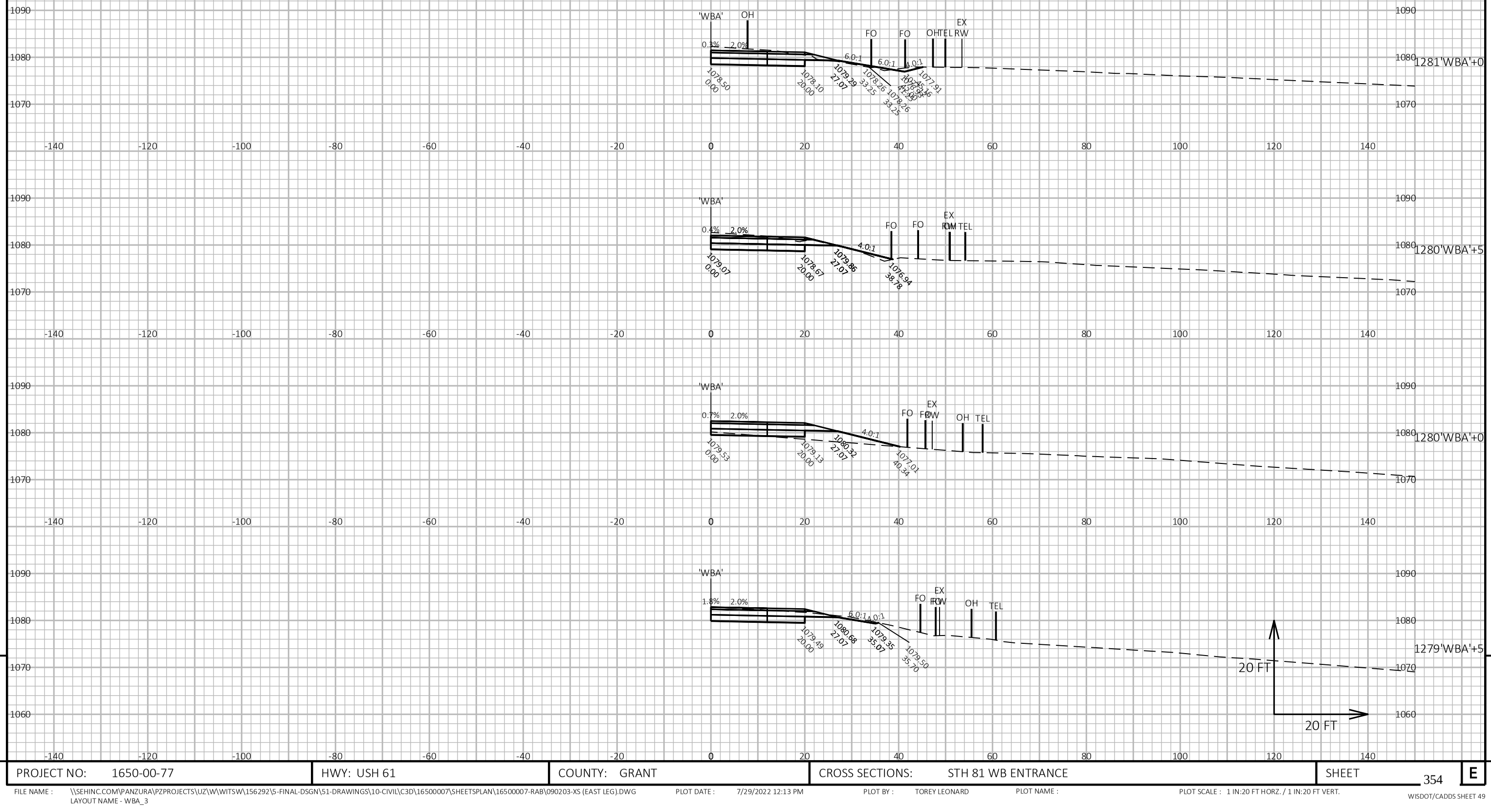
PLOT DATE : 7/29/2022 12:12 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

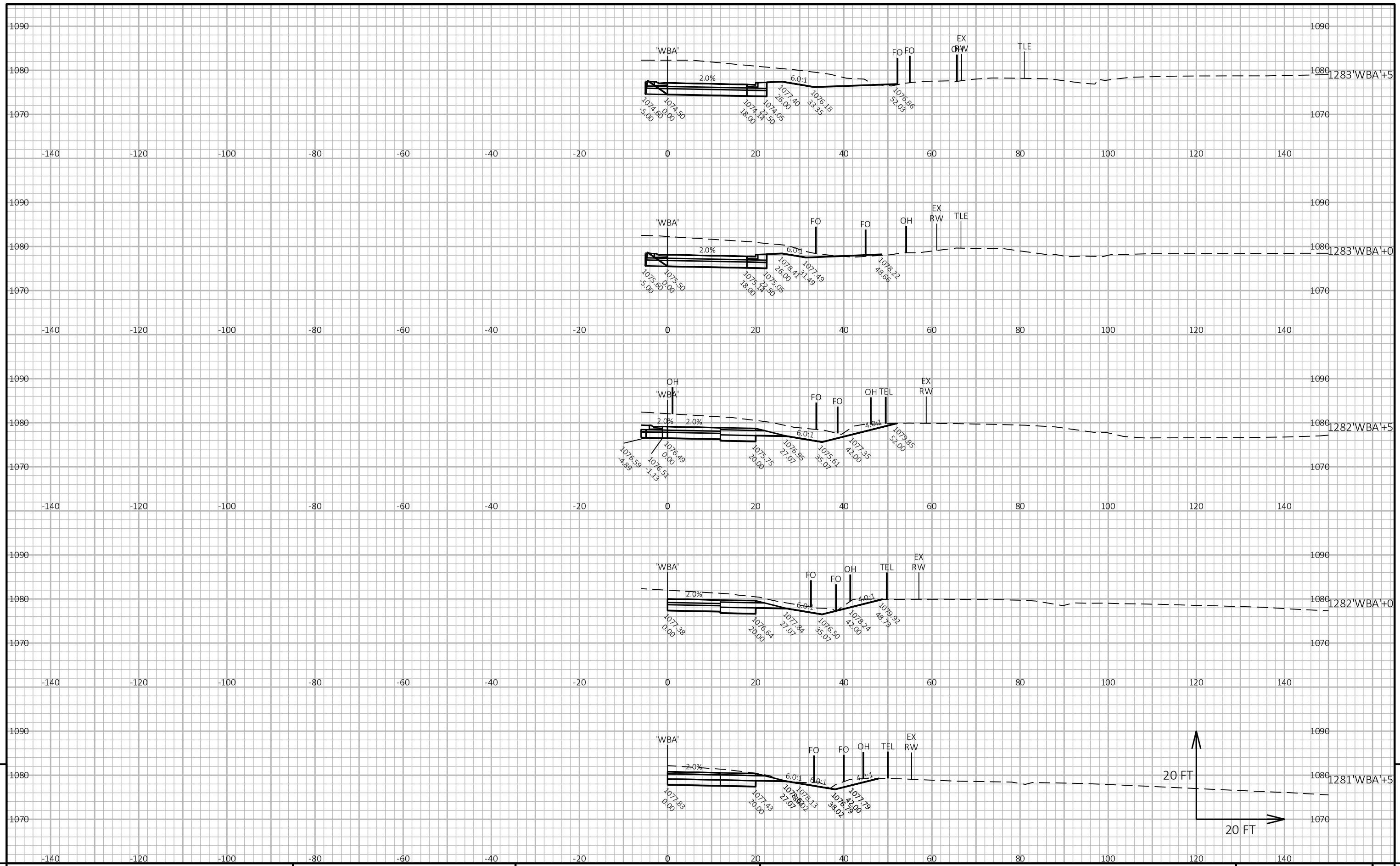


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 WB ENTRANCE	SHEET 354	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - WBA_3
PLOT DATE : 7/29/2022 12:13 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

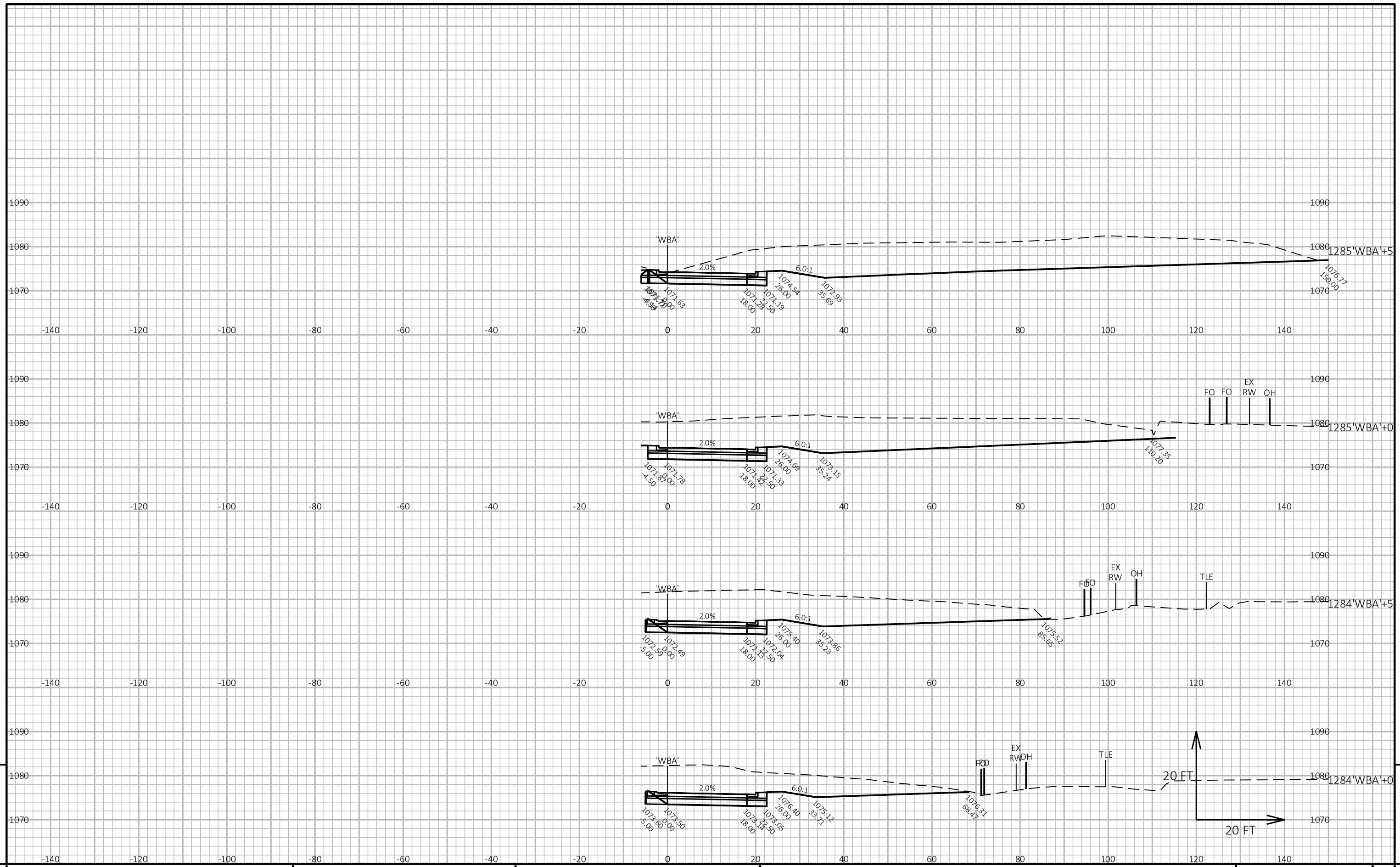
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 WB ENTRANCE	SHEET 355	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - WBA_4

PLOT DATE : 7/29/2022 12:13 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

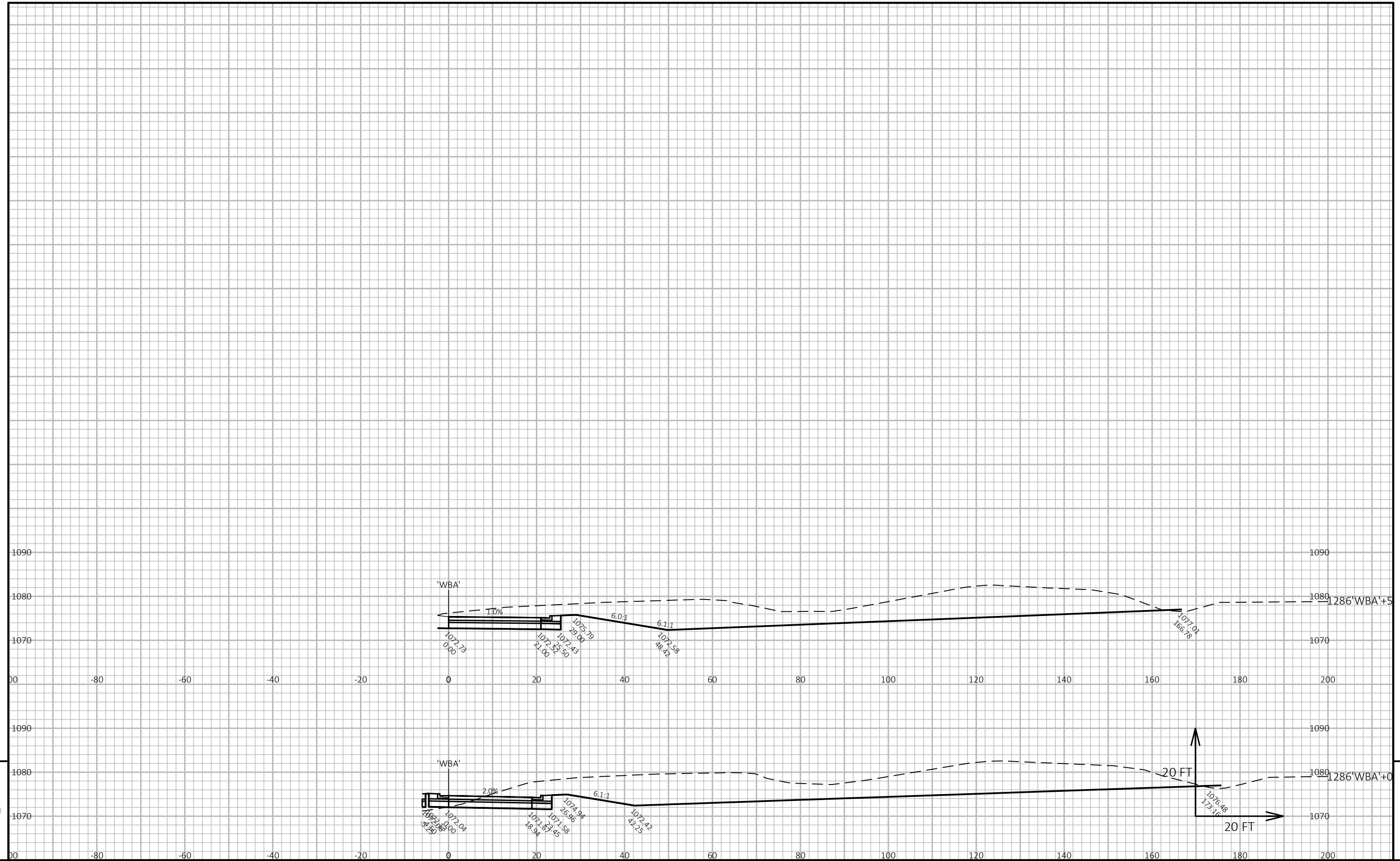
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 WB ENTRANCE	SHEET 356	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - WBA_5

PLOT DATE : 7/29/2022 12:14 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

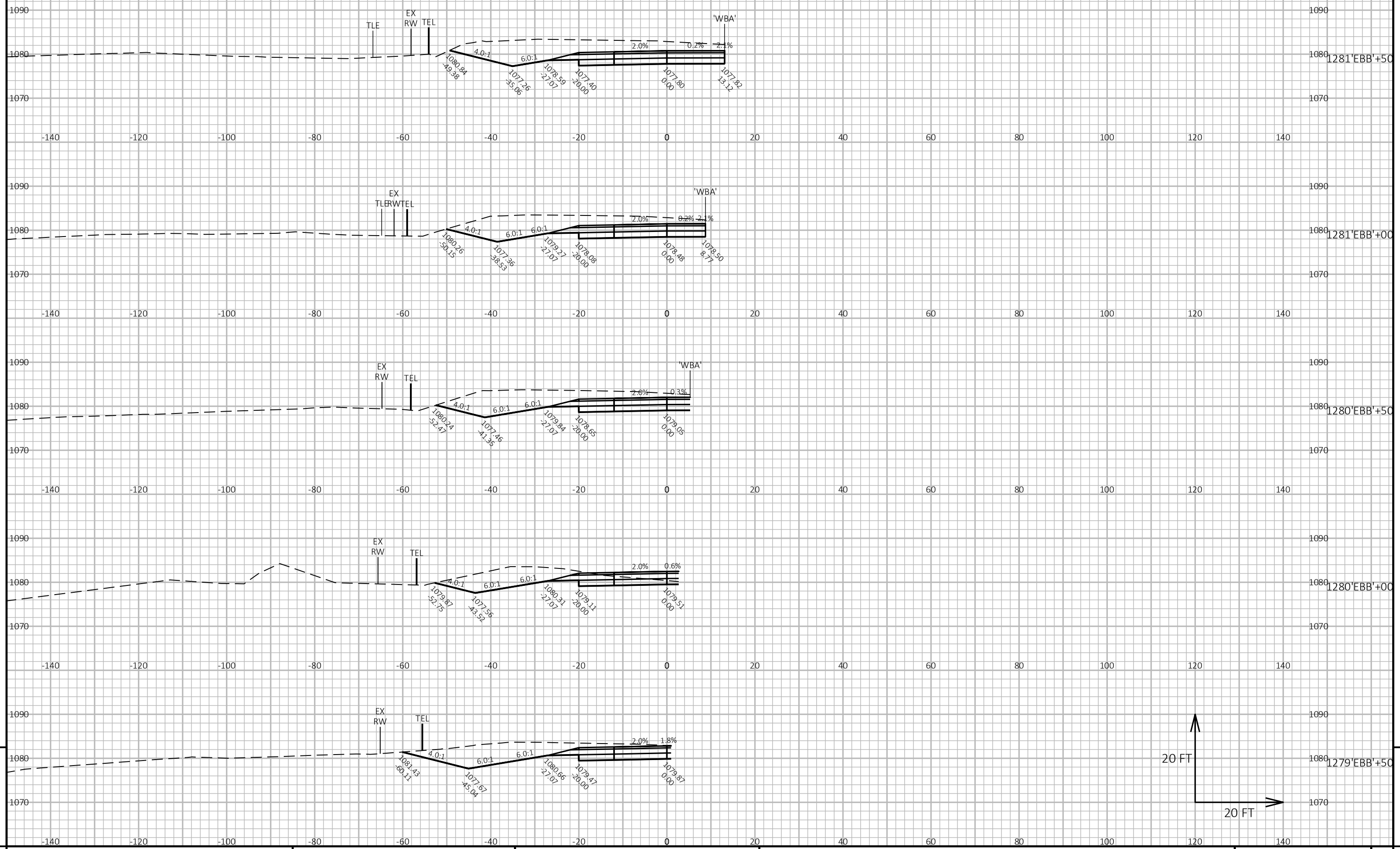
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 WB ENTRANCE	SHEET 357	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - WBA_6

PLOT DATE : 7/29/2022 12:14 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 EB EXIT	SHEET 358	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - EBB_1

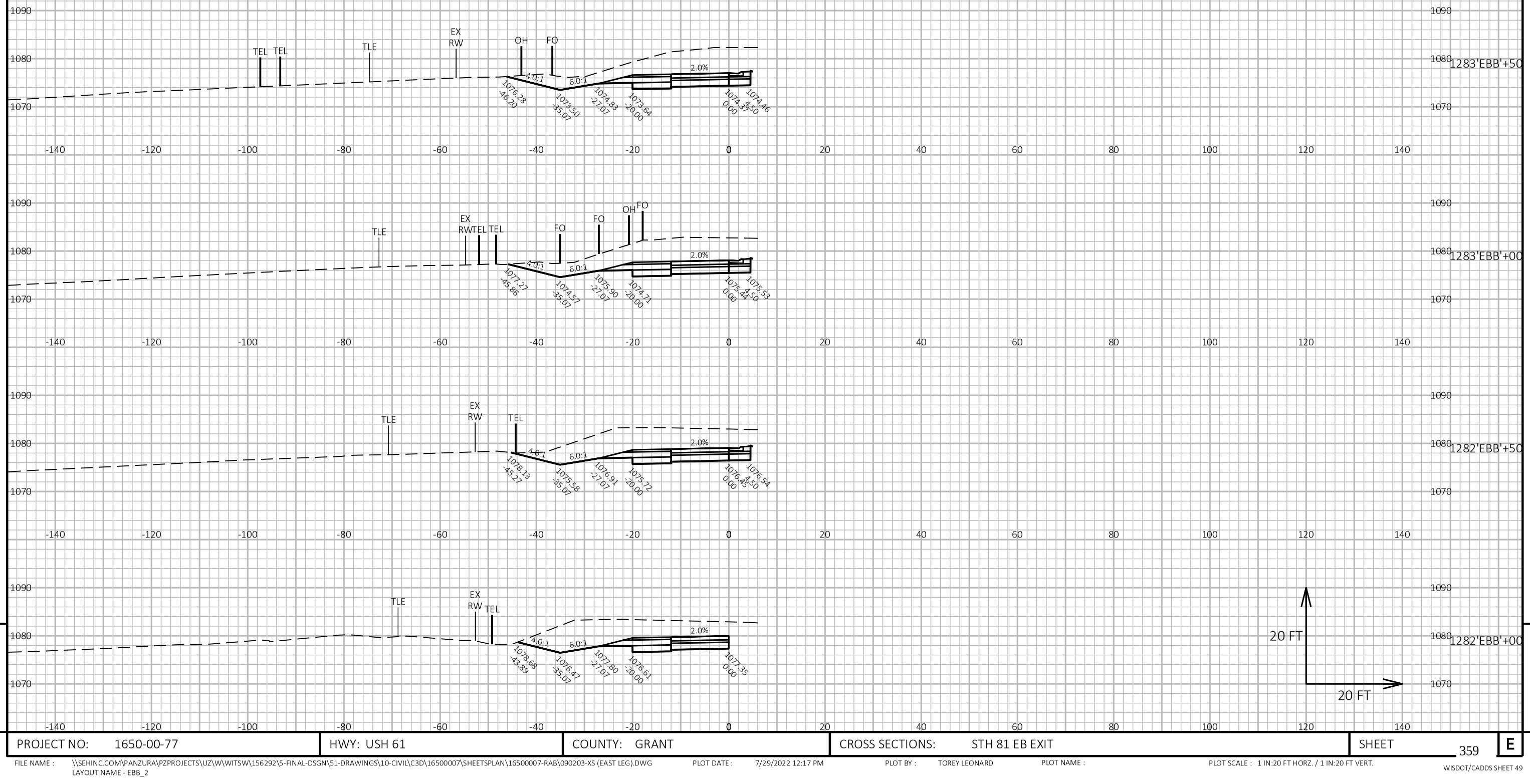
PLOT DATE : 7/29/2022 12:17 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



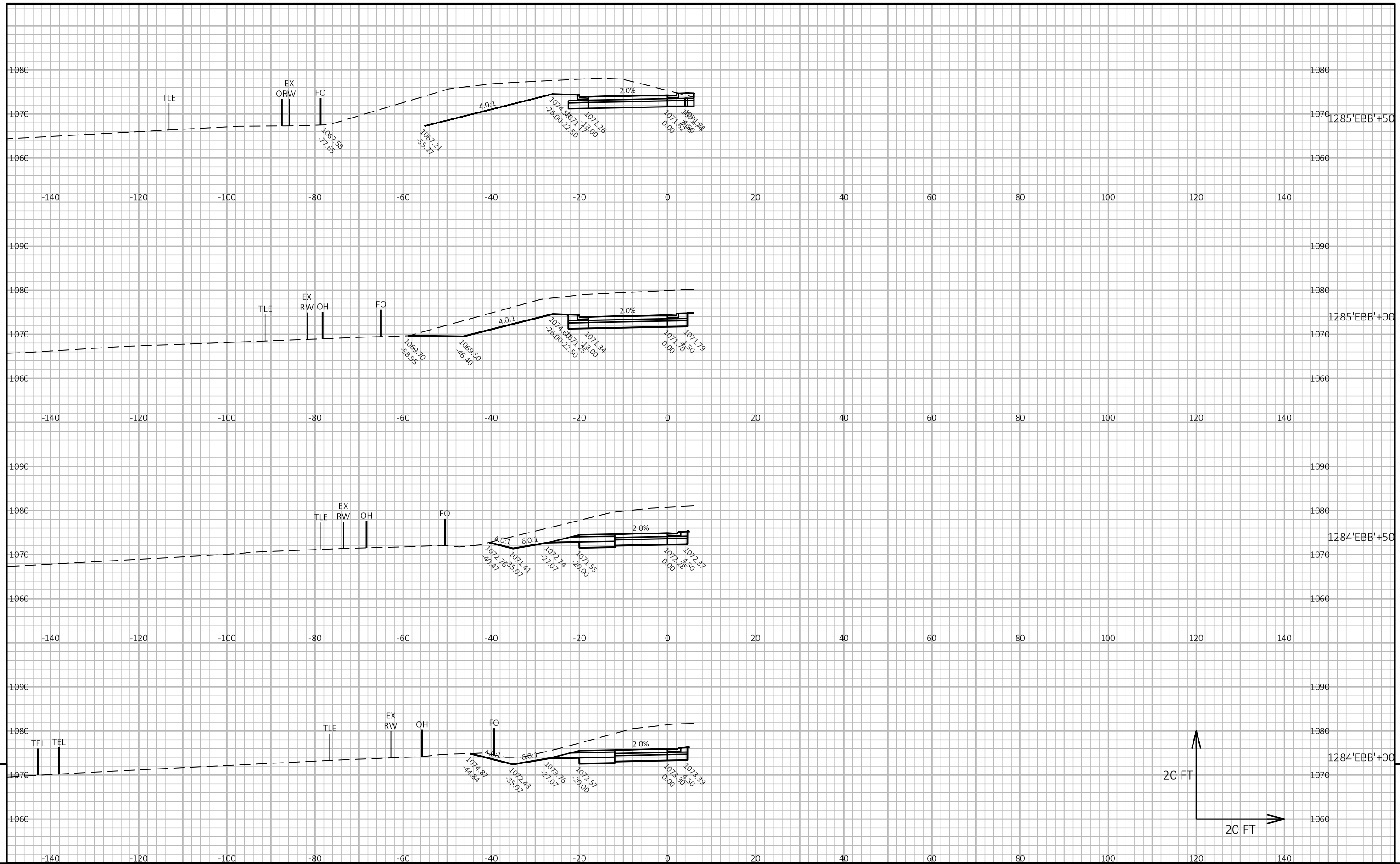
9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 EB EXIT	SHEET 359	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - EBB_2

PLOT DATE : 7/29/2022 12:17 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 EB EXIT	SHEET 360	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - EBB_3

PLOT DATE : 7/29/2022 12:18 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

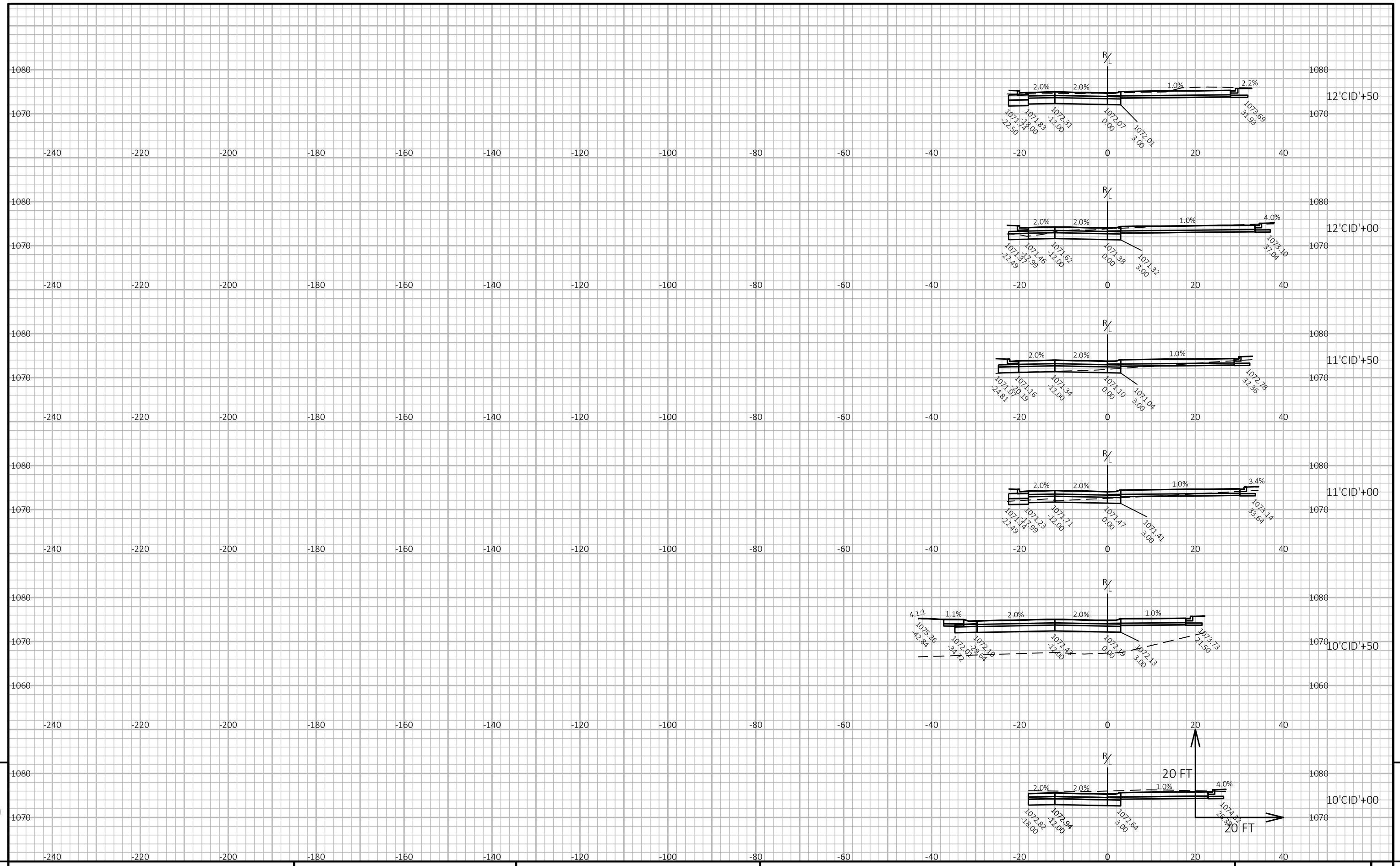
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STH 81 EB EXIT	SHEET 361	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090203-XS (EAST LEG).DWG
LAYOUT NAME - EBB_4

PLOT DATE : 7/29/2022 12:18 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

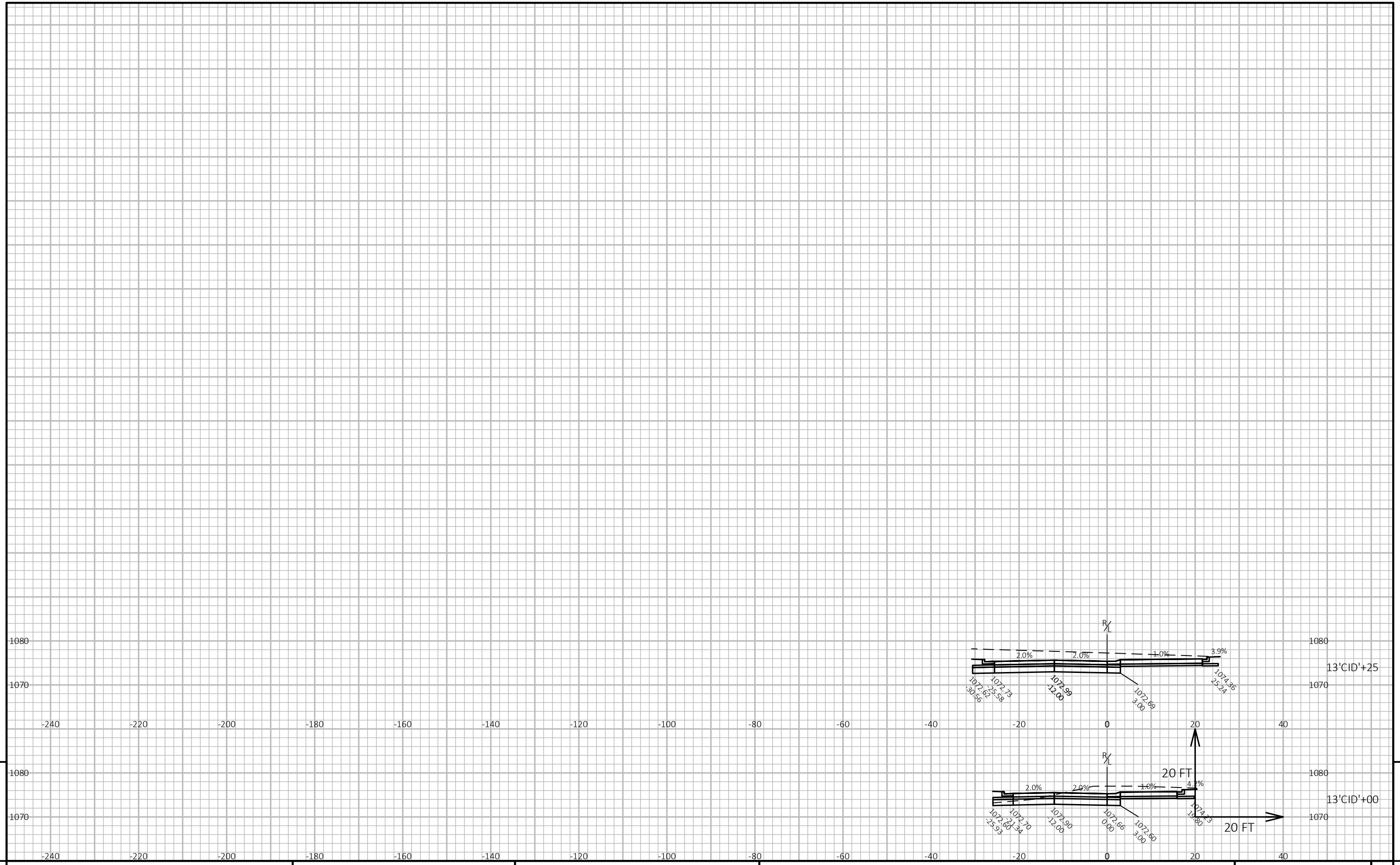


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: ROUNDABOUT	SHEET 362	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (RAB).DWG
LAYOUT NAME - RAB_1

PLOT DATE : 7/29/2022 11:18 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: ROUNDABOUT	SHEET 363	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090201-XS (RAB).DWG
LAYOUT NAME - RAB_2

PLOT DATE : 7/29/2022 11:18 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

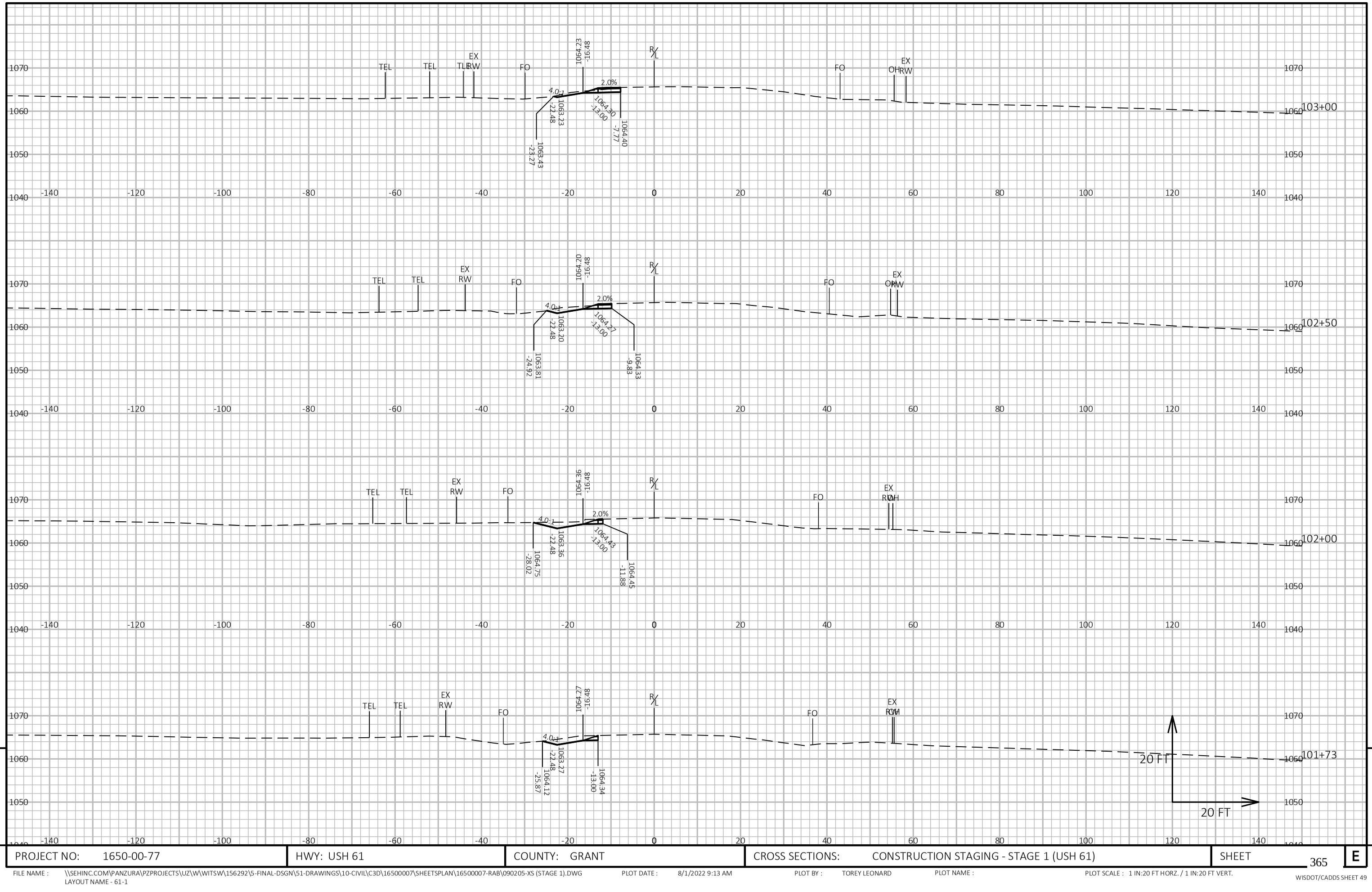
WISDOT/CADDS SHEET 49

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: AUPPERLE RD	SHEET 364	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090204-XS (AUPPERLE).DWG
LAYOUT NAME - AUP_1

PLOT DATE : 7/29/2022 12:22 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

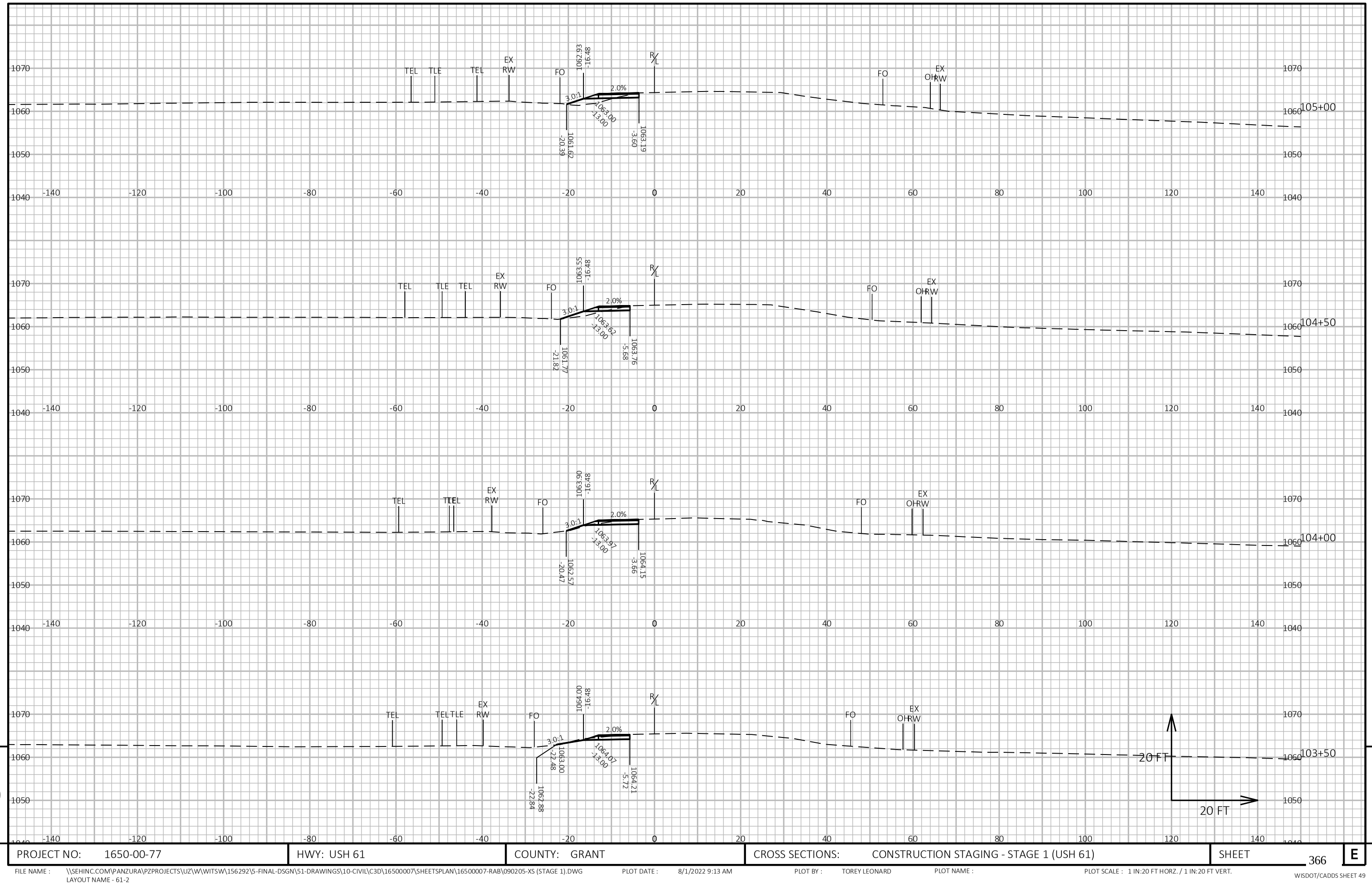


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 365	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-1
PLOT DATE : 8/1/2022 9:13 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 366	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-2

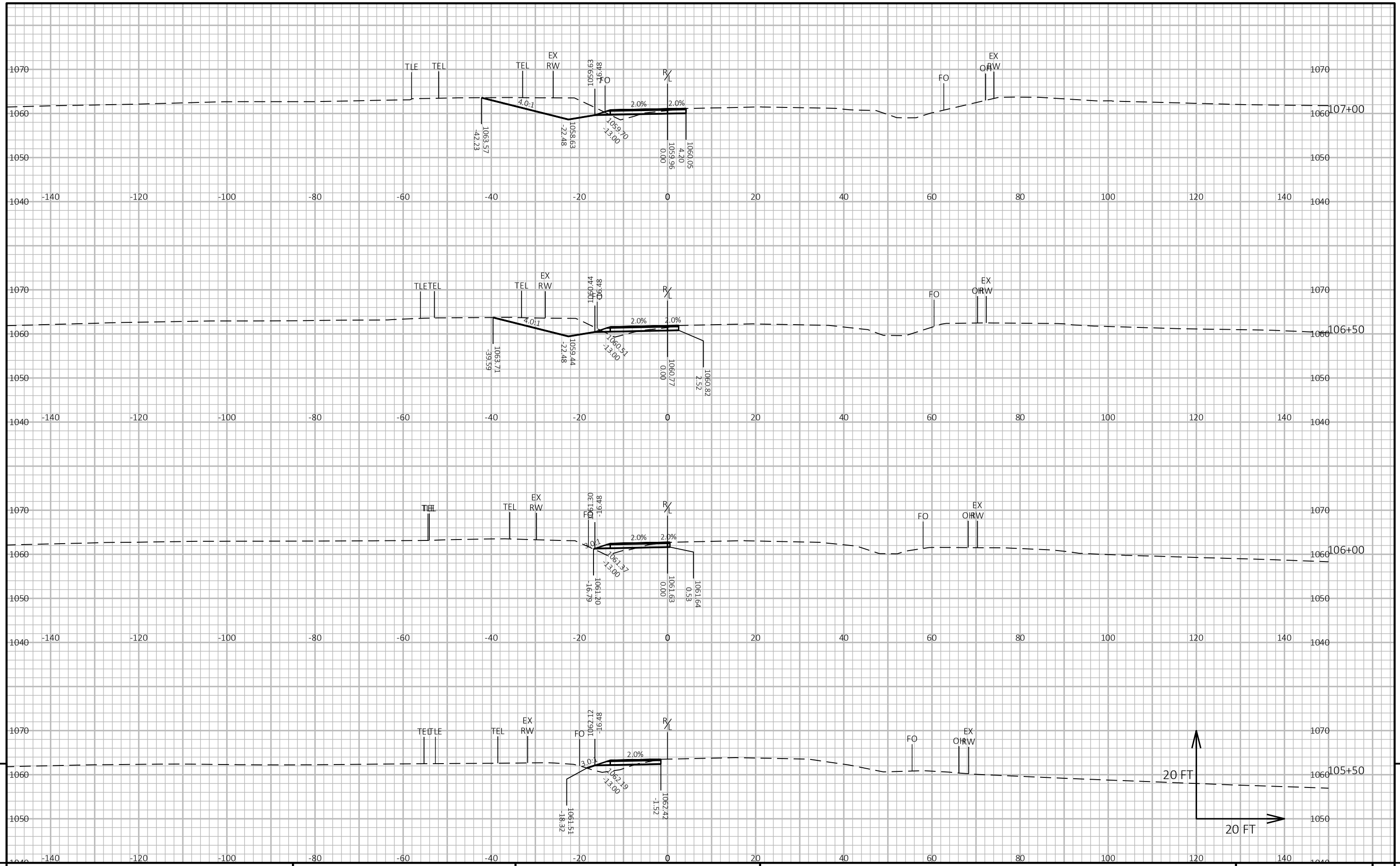
PLOT DATE : 8/1/2022 9:13 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 367	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-3

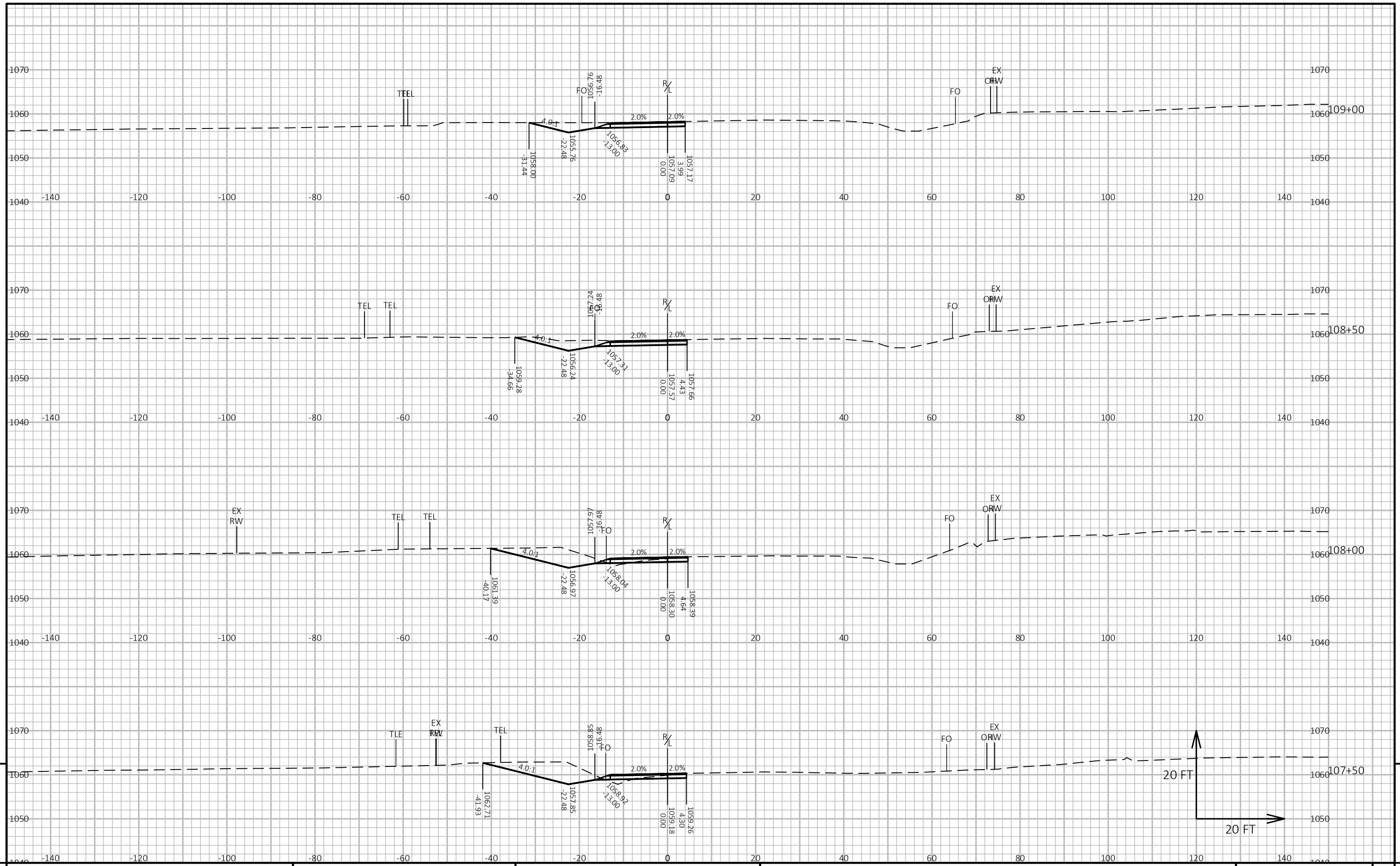
PLOT DATE : 8/1/2022 9:14 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

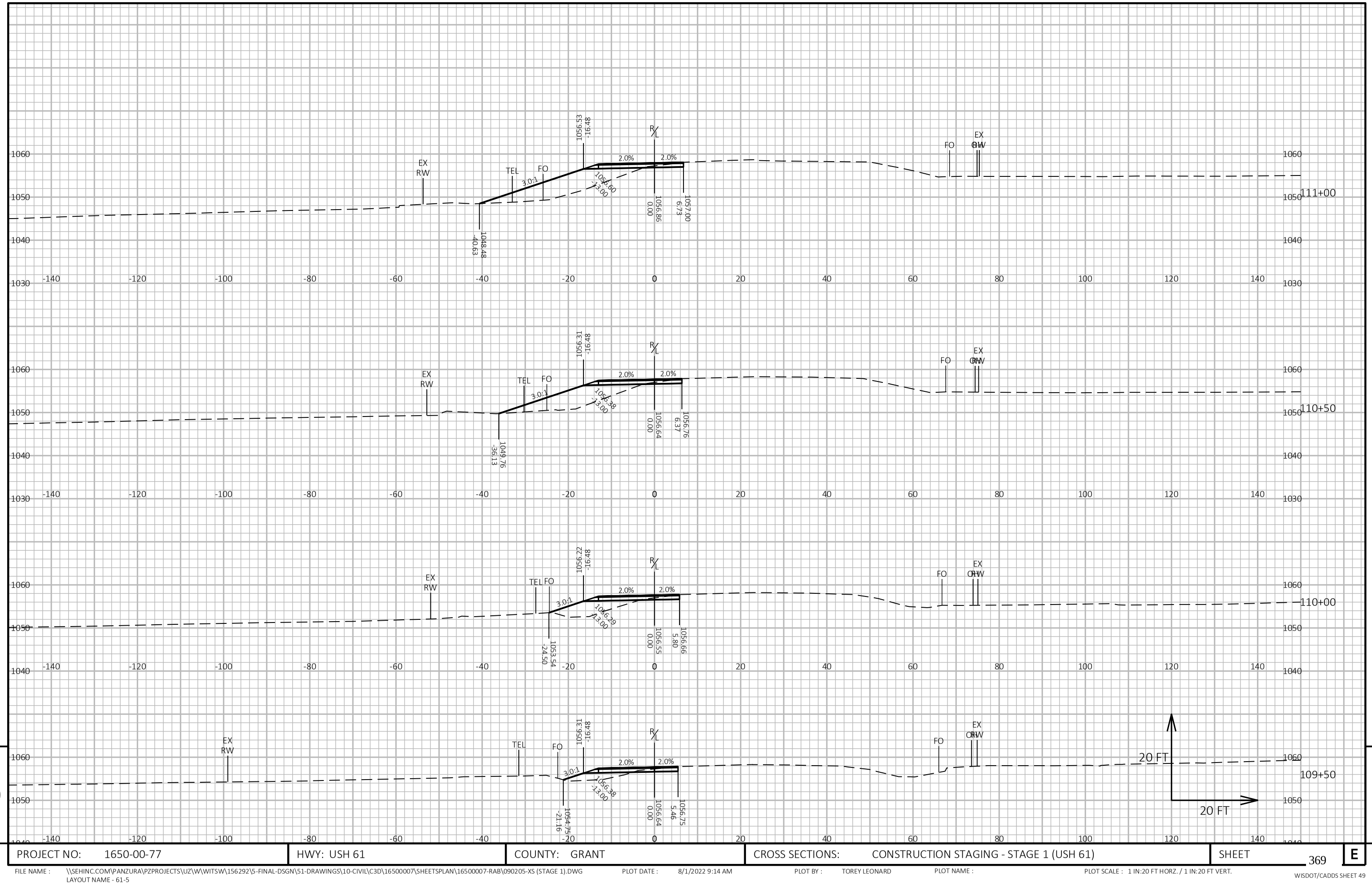


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 368	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-4
PLOT DATE : 8/1/2022 9:14 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 369	E

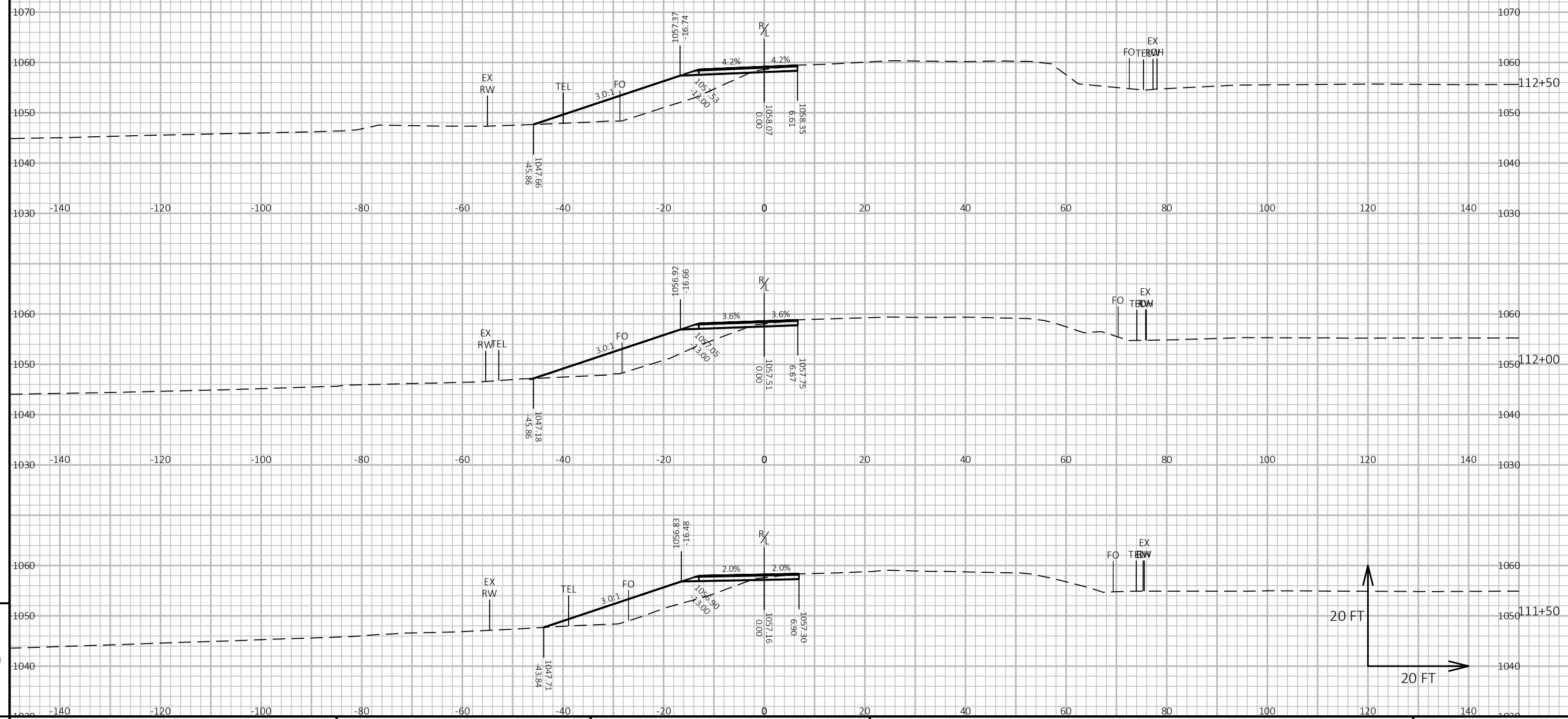
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-5

PLOT DATE : 8/1/2022 9:14 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 370	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-6

PLOT DATE : 8/1/2022 9:14 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 371	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-7

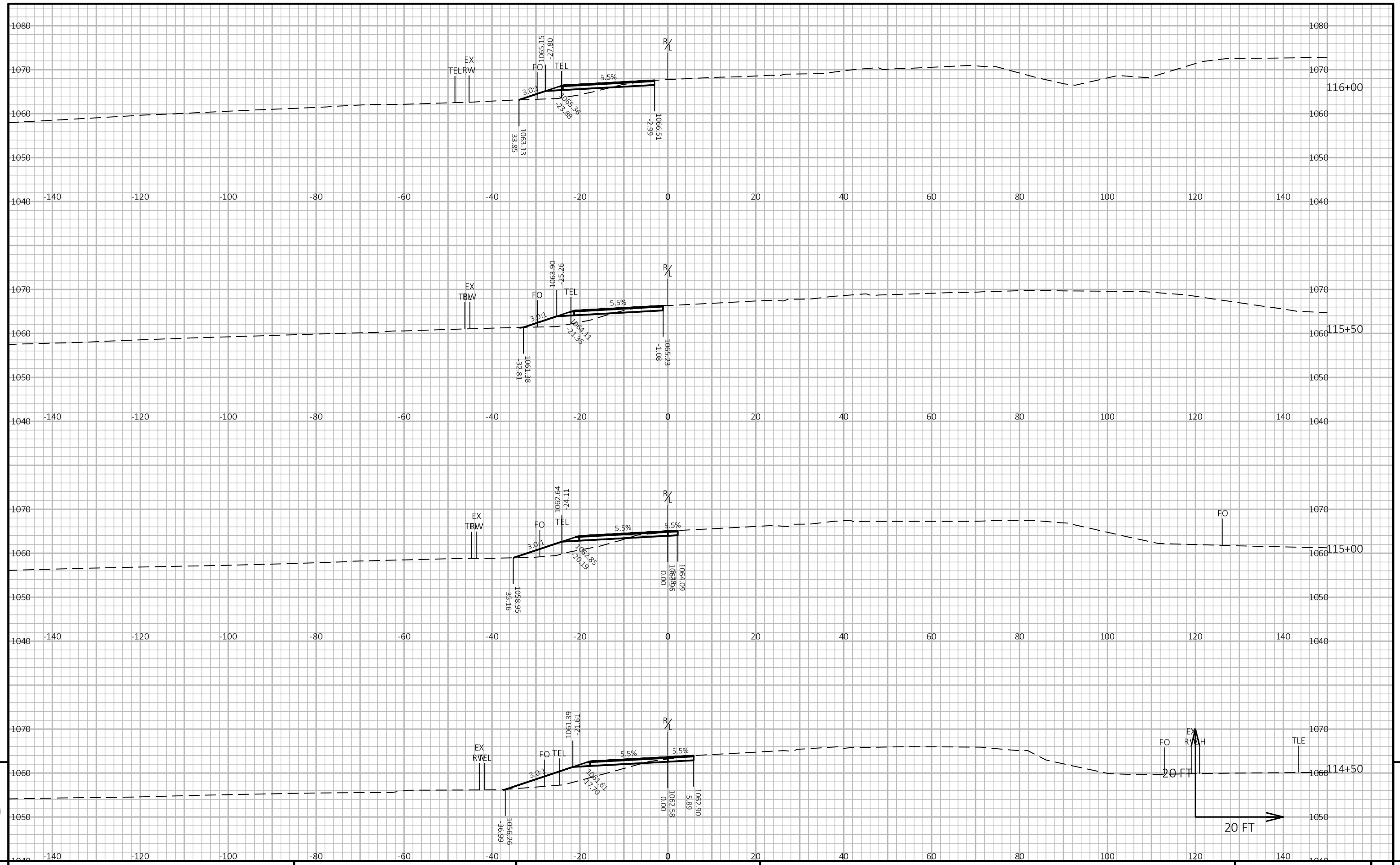
PLOT DATE : 8/1/2022 9:14 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

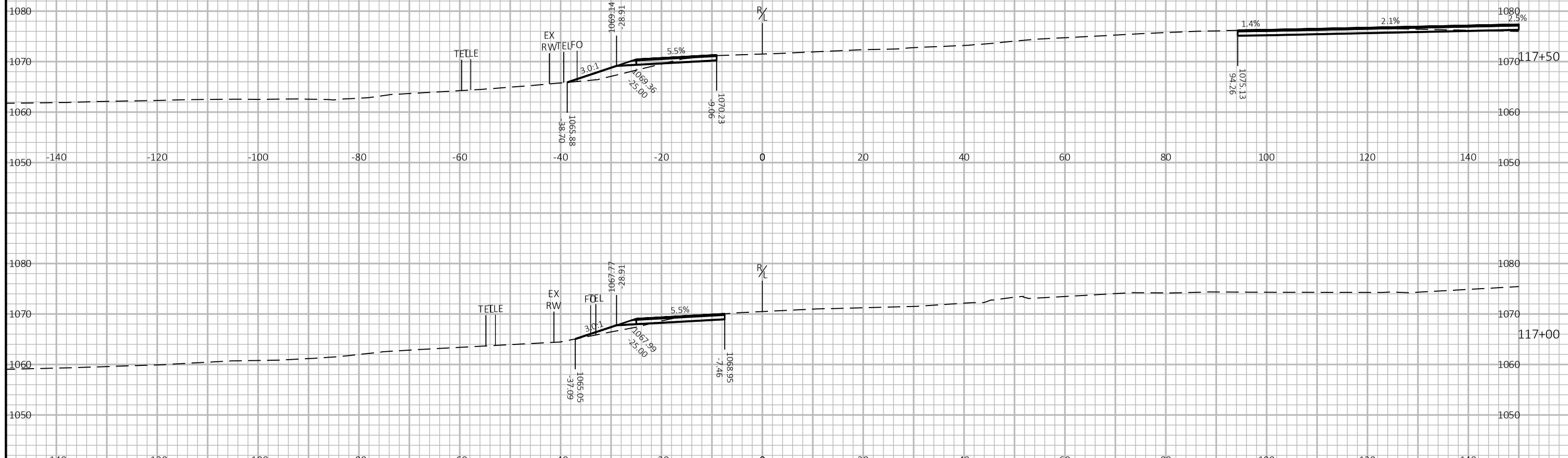


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 372	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-8
PLOT DATE : 8/1/2022 9:14 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 373	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-9

PLOT DATE : 8/1/2022 9:15 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

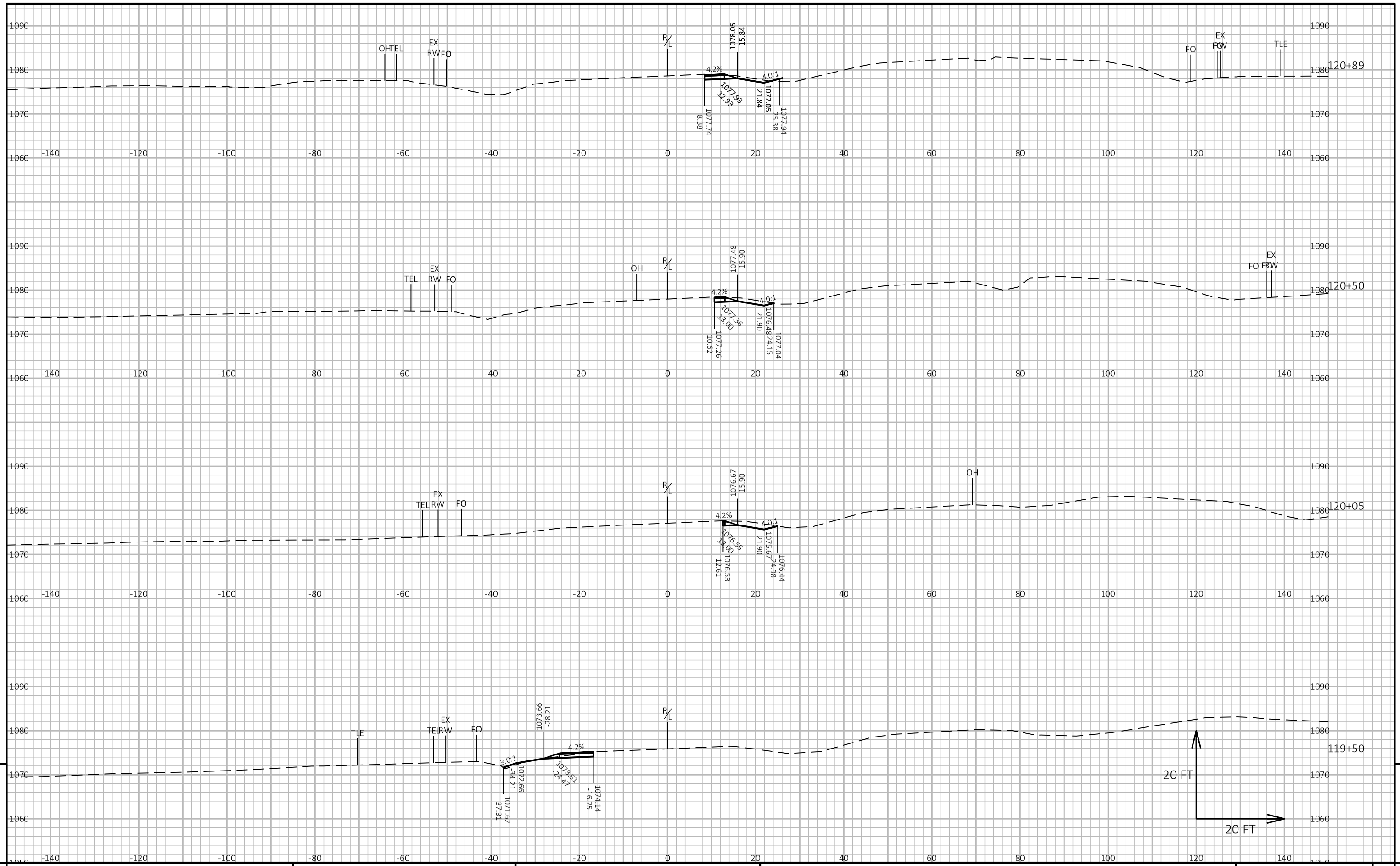
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 374	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-10

PLOT DATE : 8/1/2022 9:15 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 375	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-11

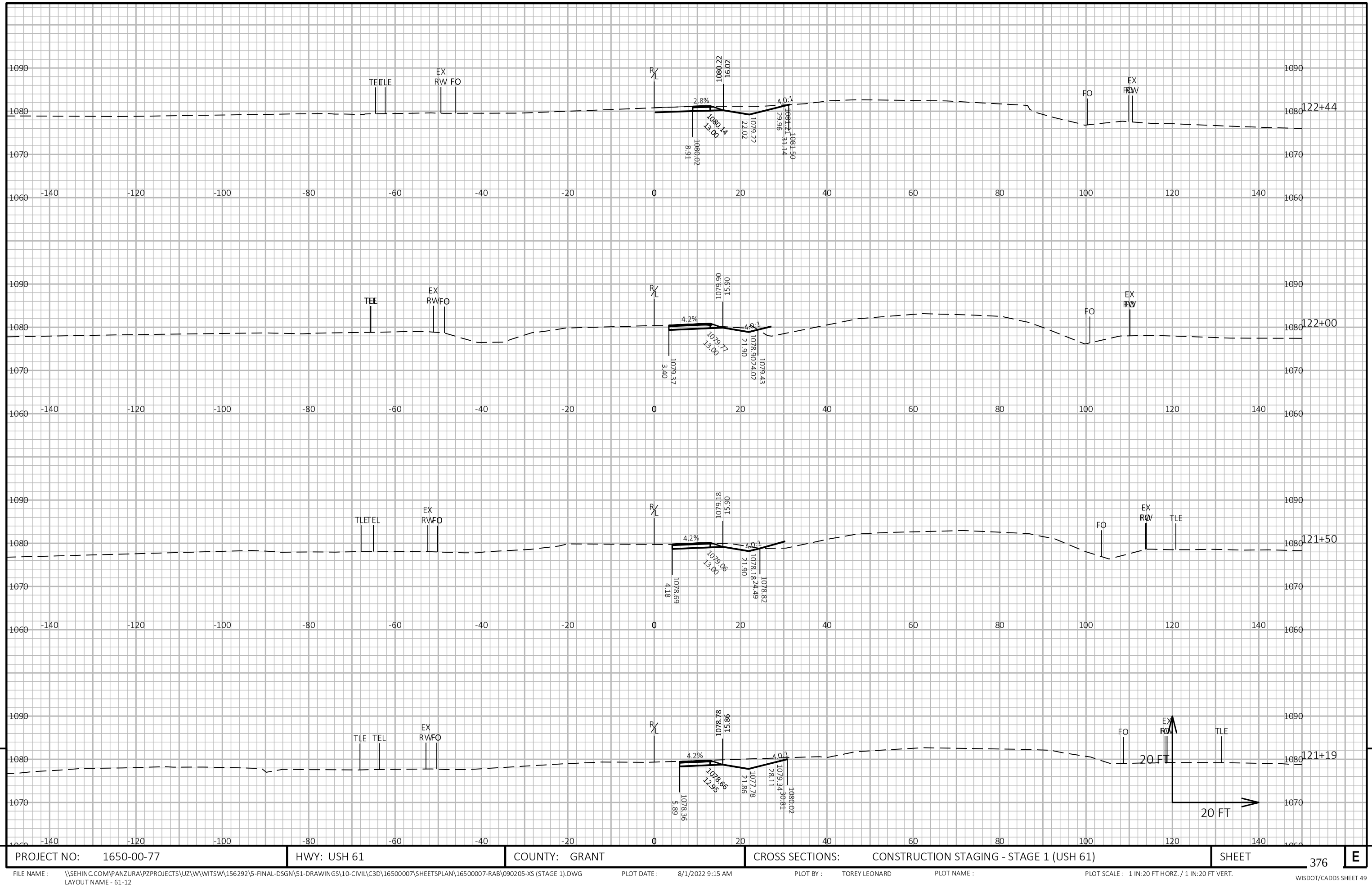
PLOT DATE : 8/1/2022 9:15 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

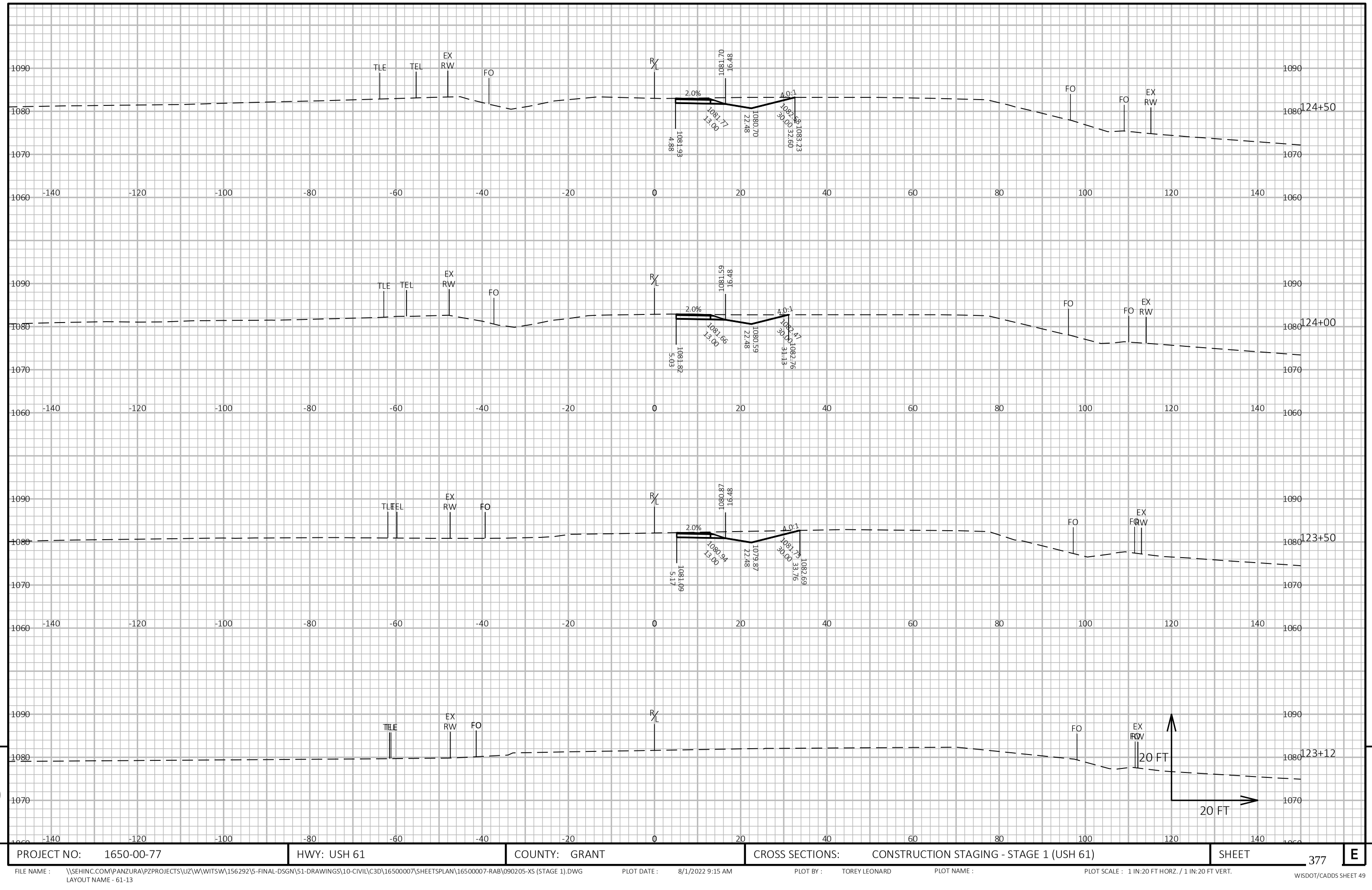


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 376	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-12
PLOT DATE : 8/1/2022 9:15 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

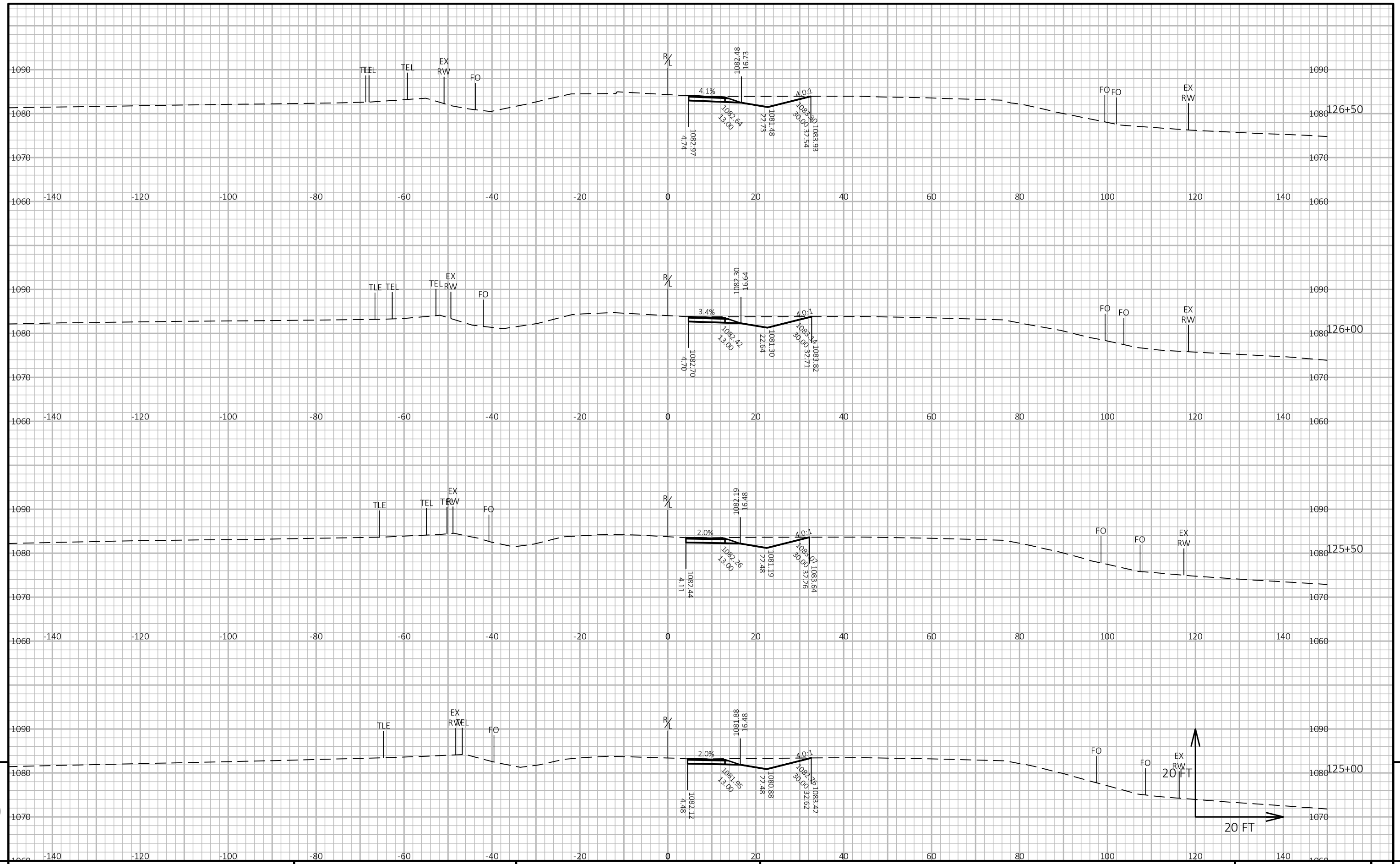


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 377	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-13
PLOT DATE : 8/1/2022 9:15 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 378	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-14

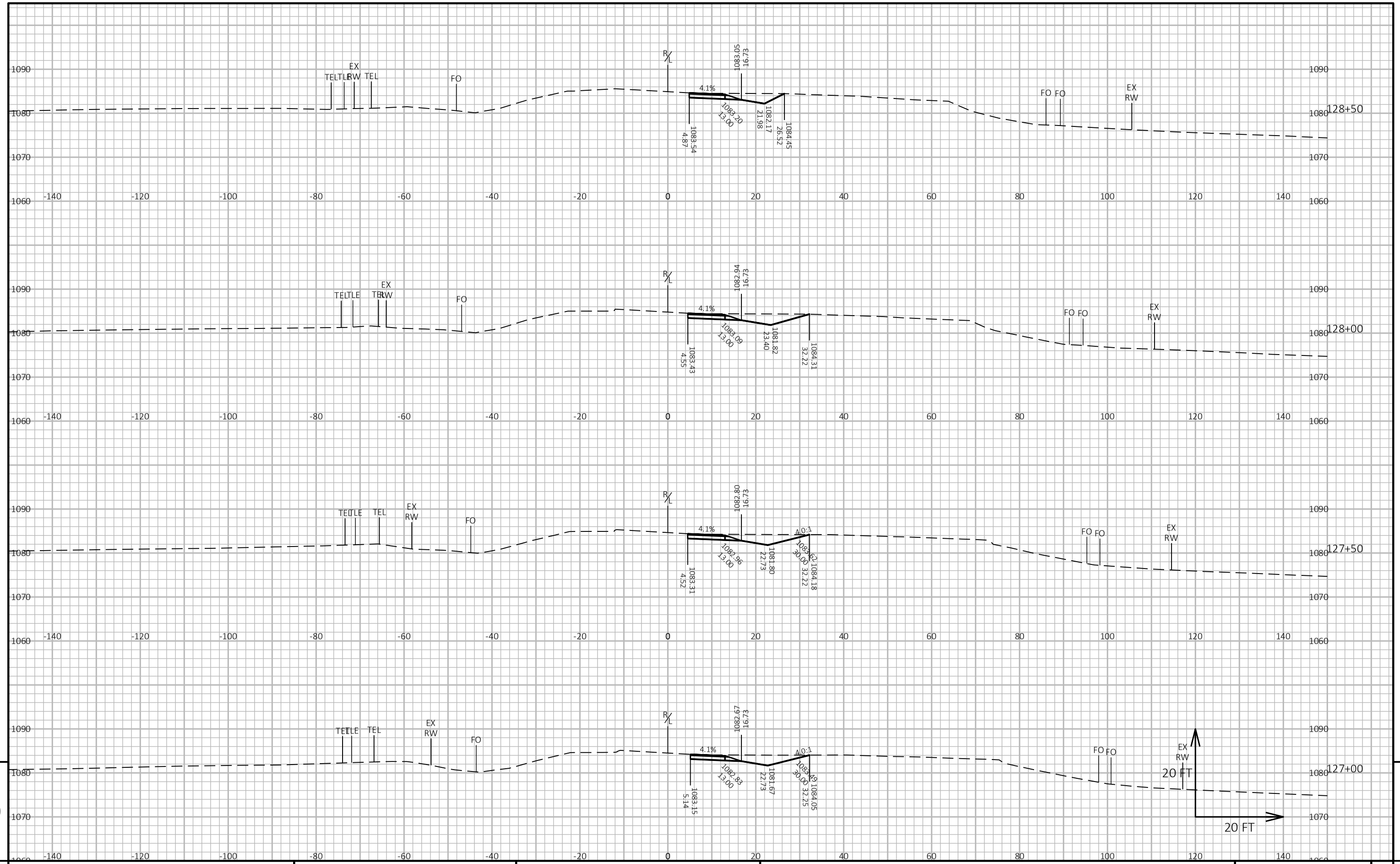
PLOT DATE : 8/1/2022 9:15 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 379	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-15

PLOT DATE : 8/1/2022 9:16 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 380	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-16

PLOT DATE : 8/1/2022 9:16 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (USH 61)	SHEET 381	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 61-17

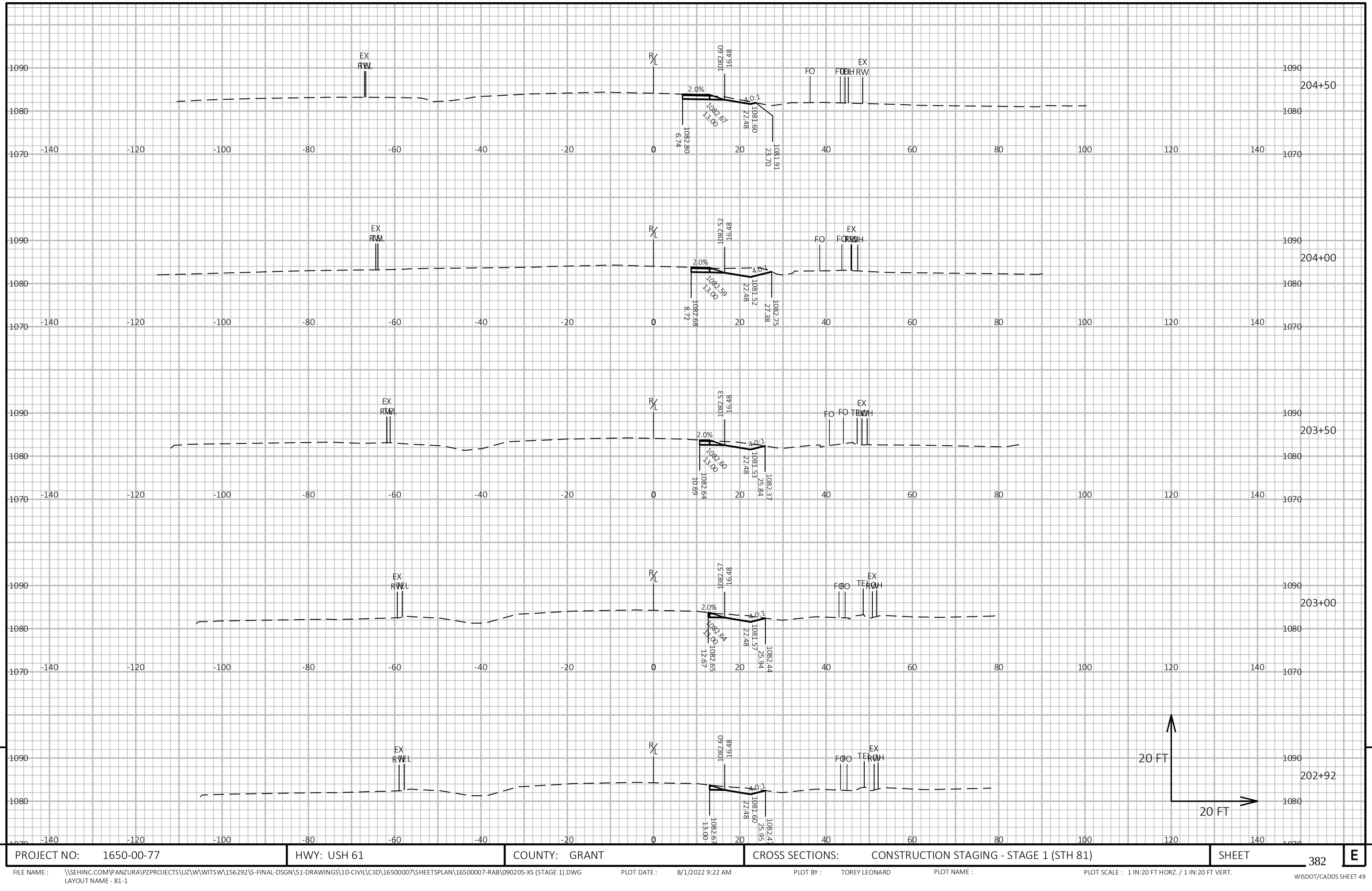
PLOT DATE : 8/1/2022 9:16 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 382	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-1

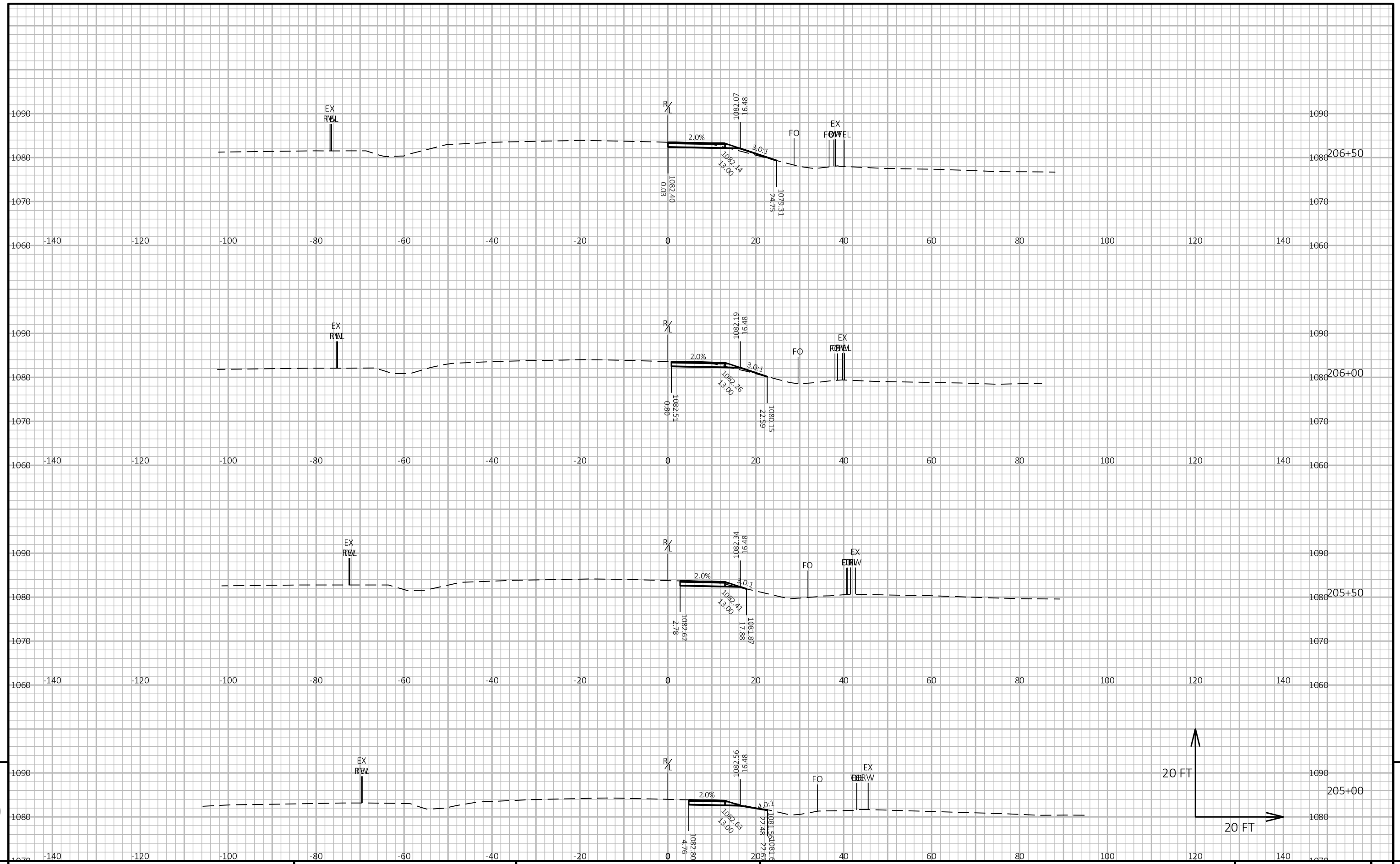
PLOT DATE : 8/1/2022 9:22 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

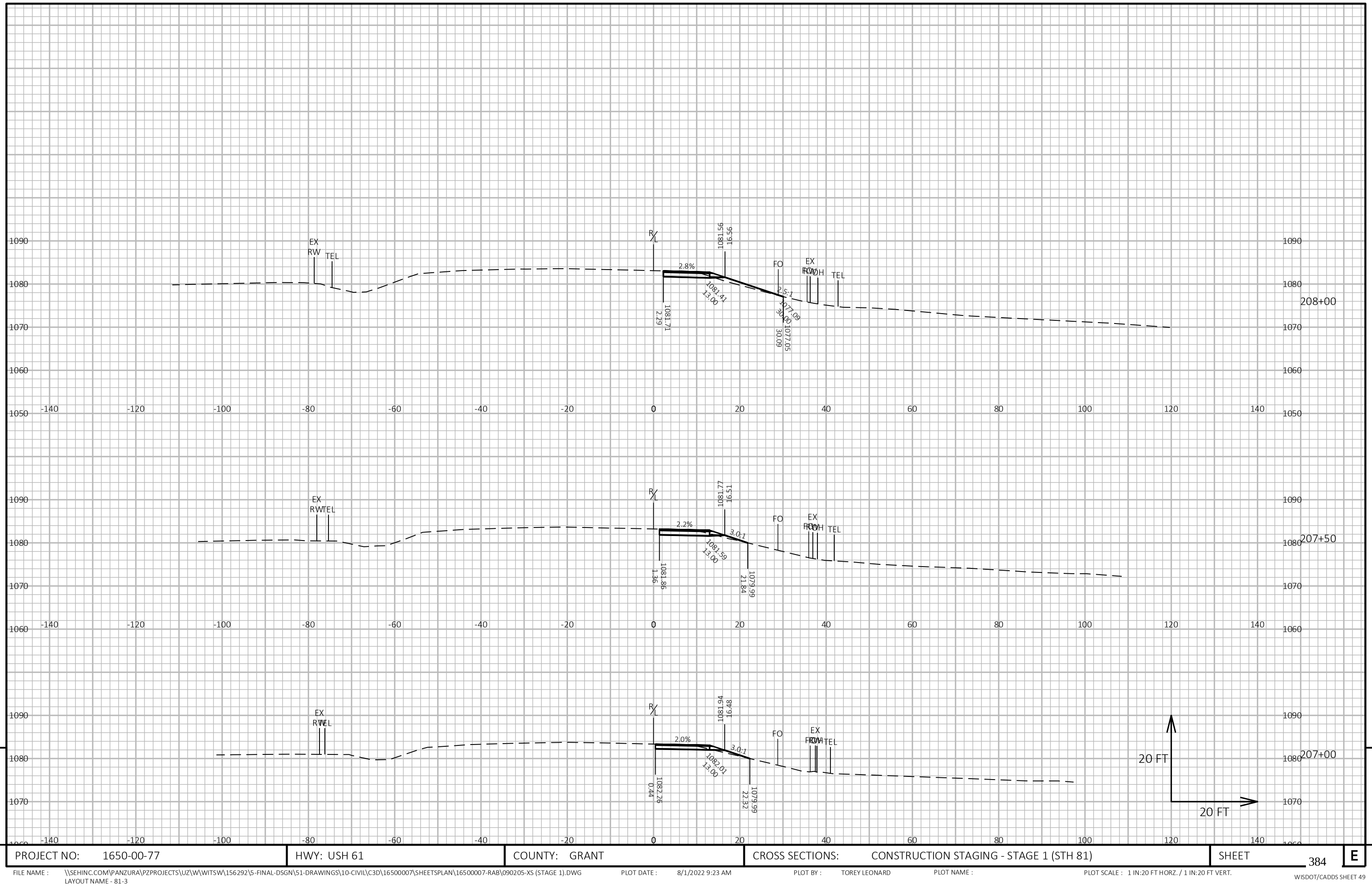


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 383	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-2
PLOT DATE : 8/1/2022 9:23 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

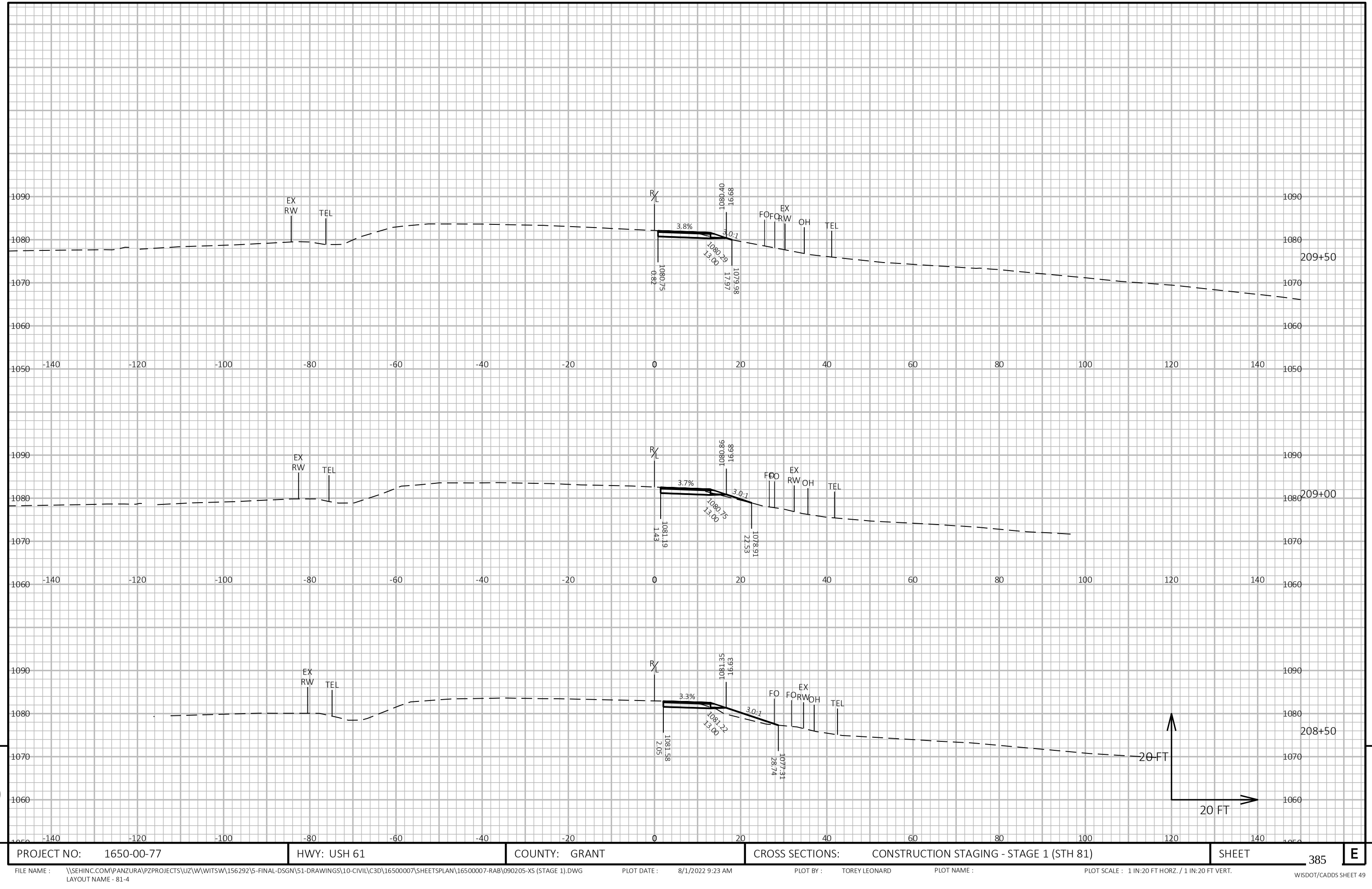
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 384	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-3

PLOT DATE : 8/1/2022 9:23 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

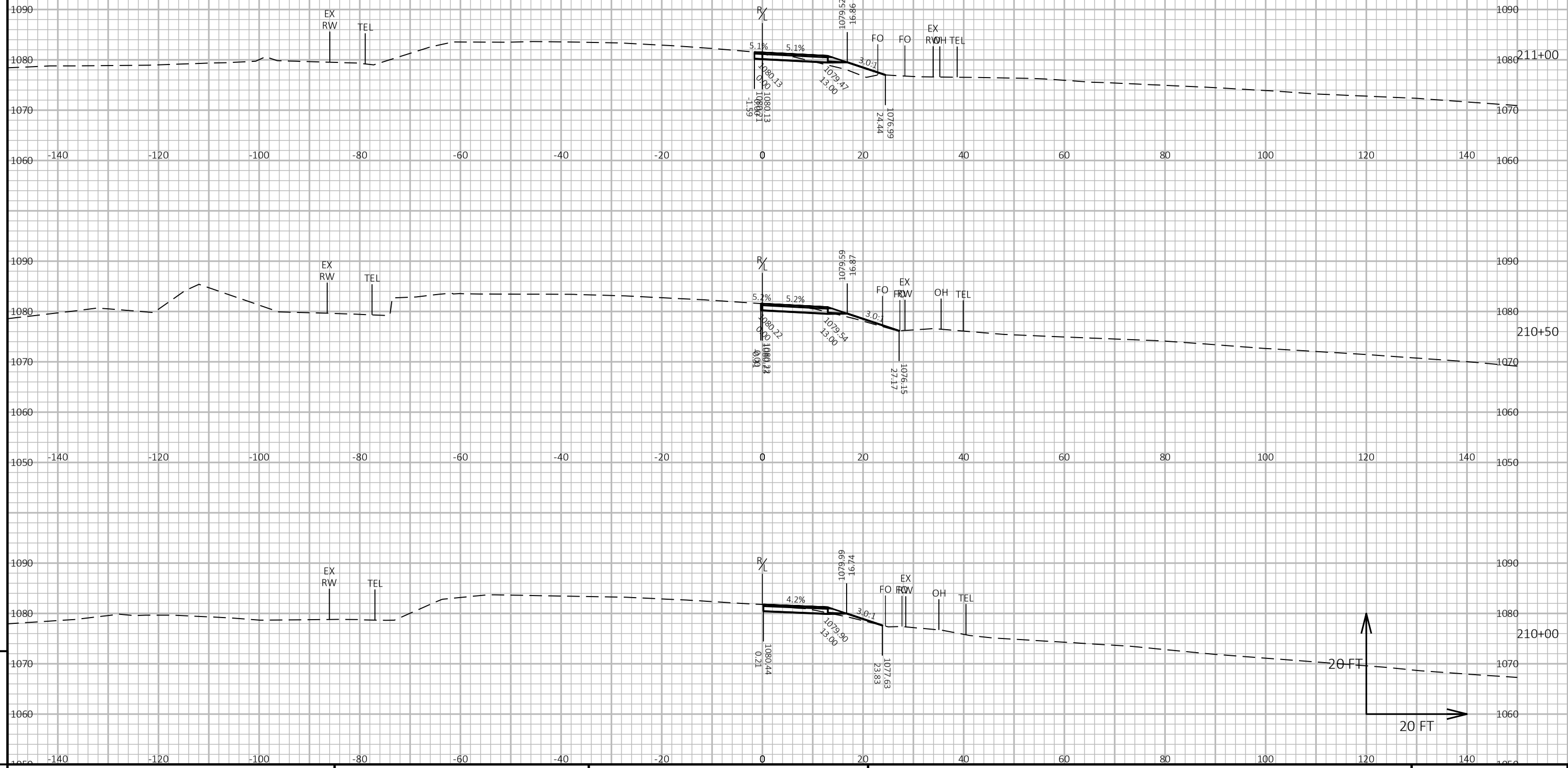
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 385	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-4

PLOT DATE : 8/1/2022 9:23 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 386	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-5

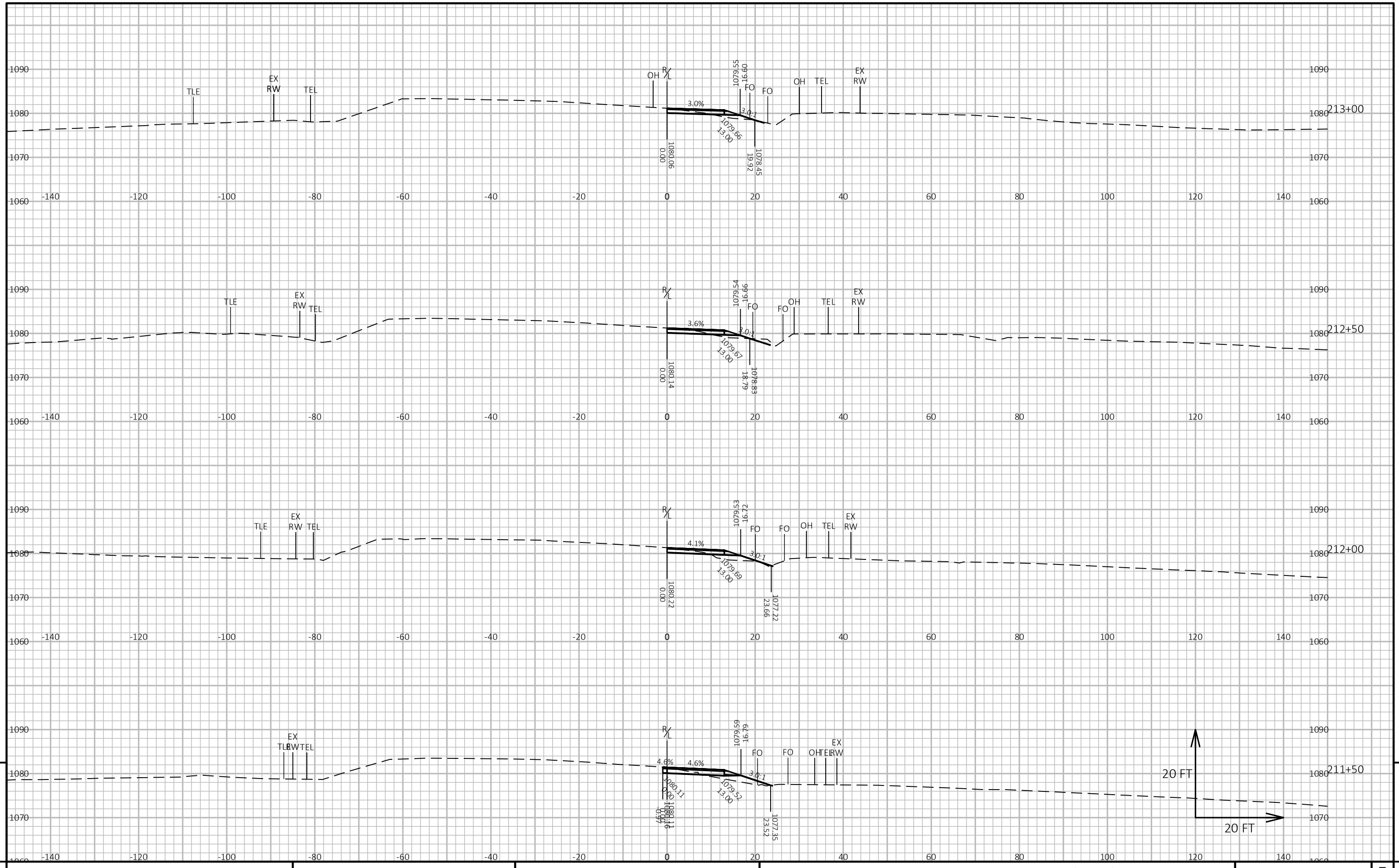
PLOT DATE : 8/1/2022 9:23 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

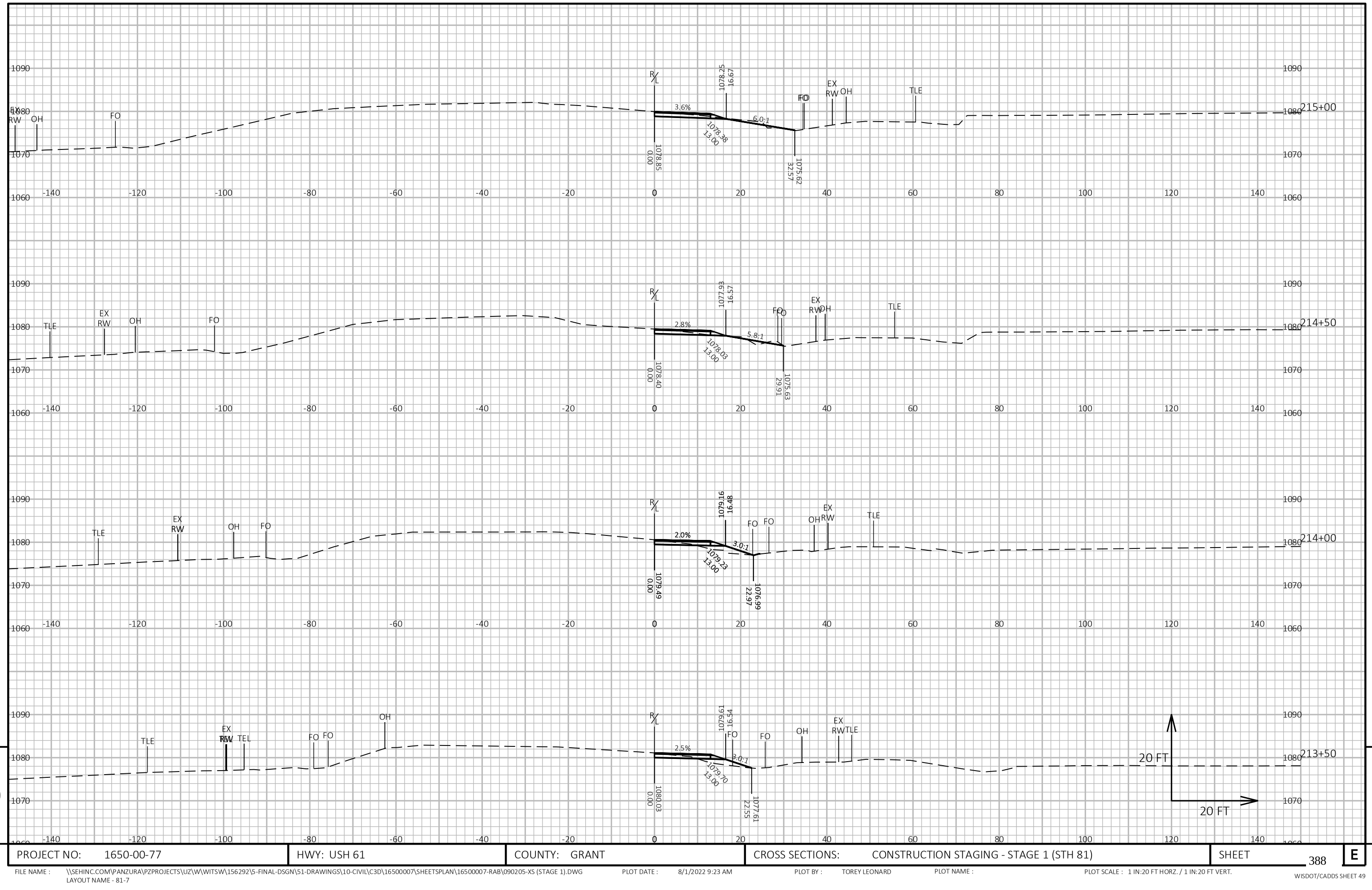
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 387	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-6

PLOT DATE : 8/1/2022 9:23 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

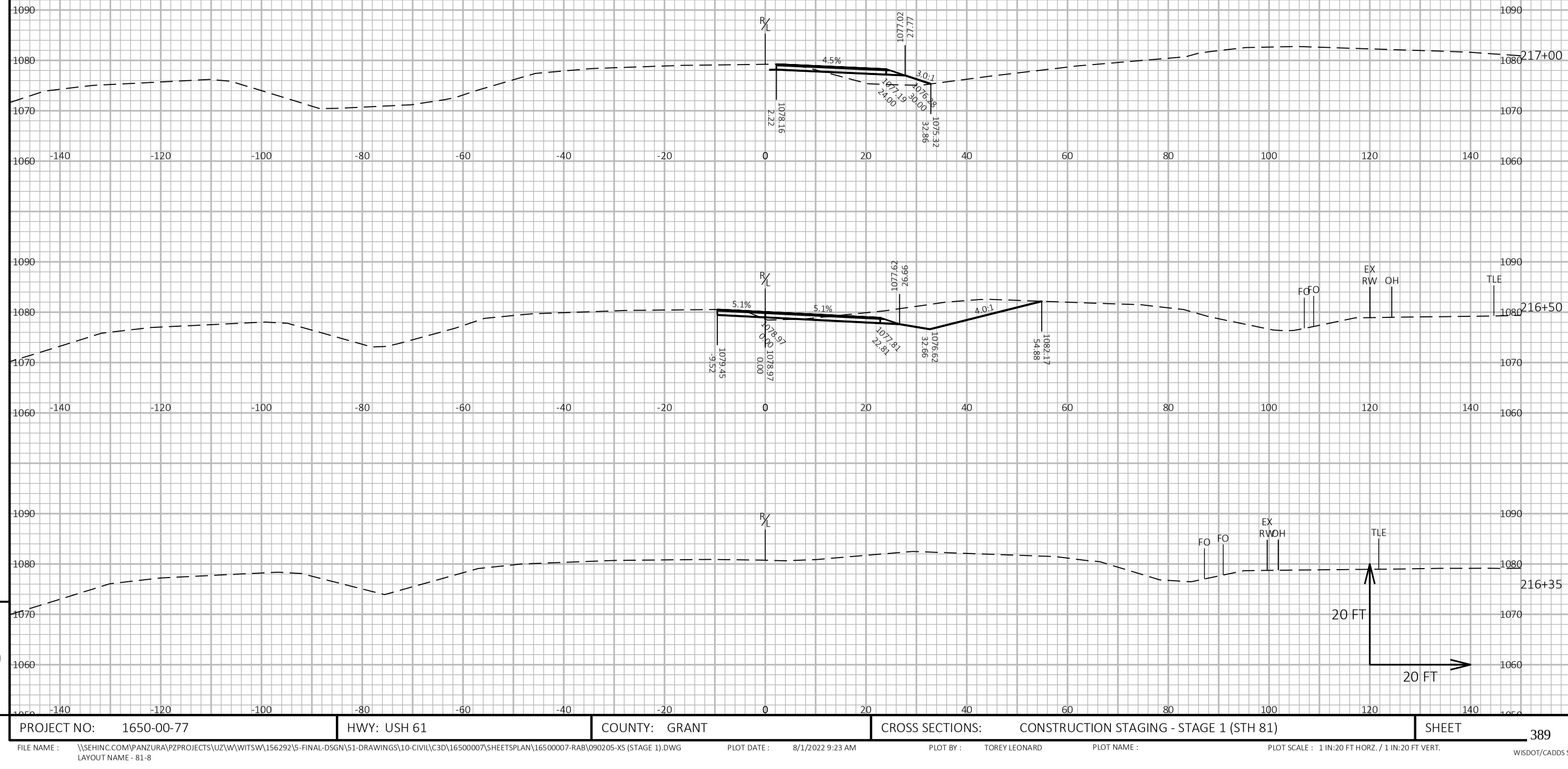


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 388	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-7
PLOT DATE : 8/1/2022 9:23 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 389	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-8

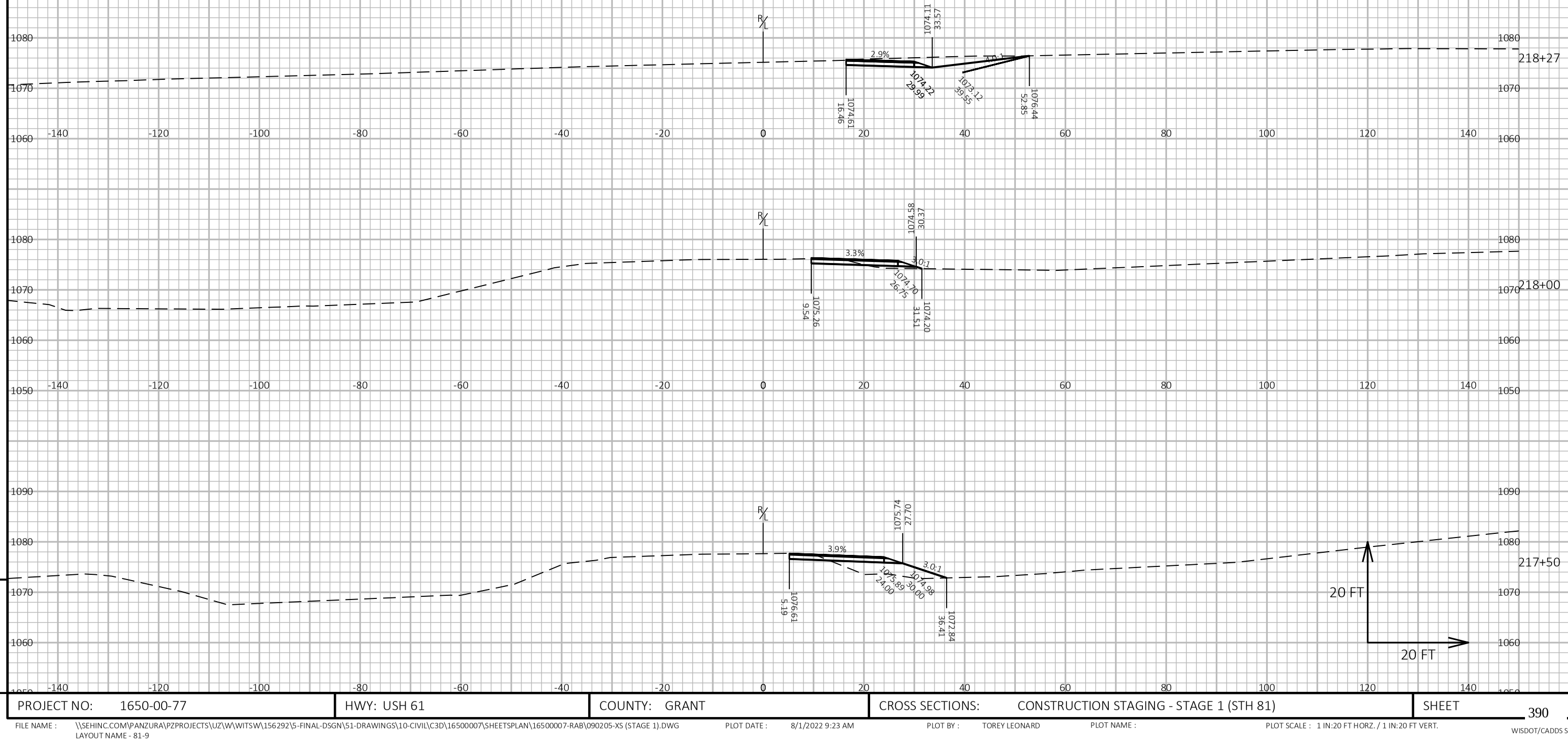
PLOT DATE : 8/1/2022 9:23 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

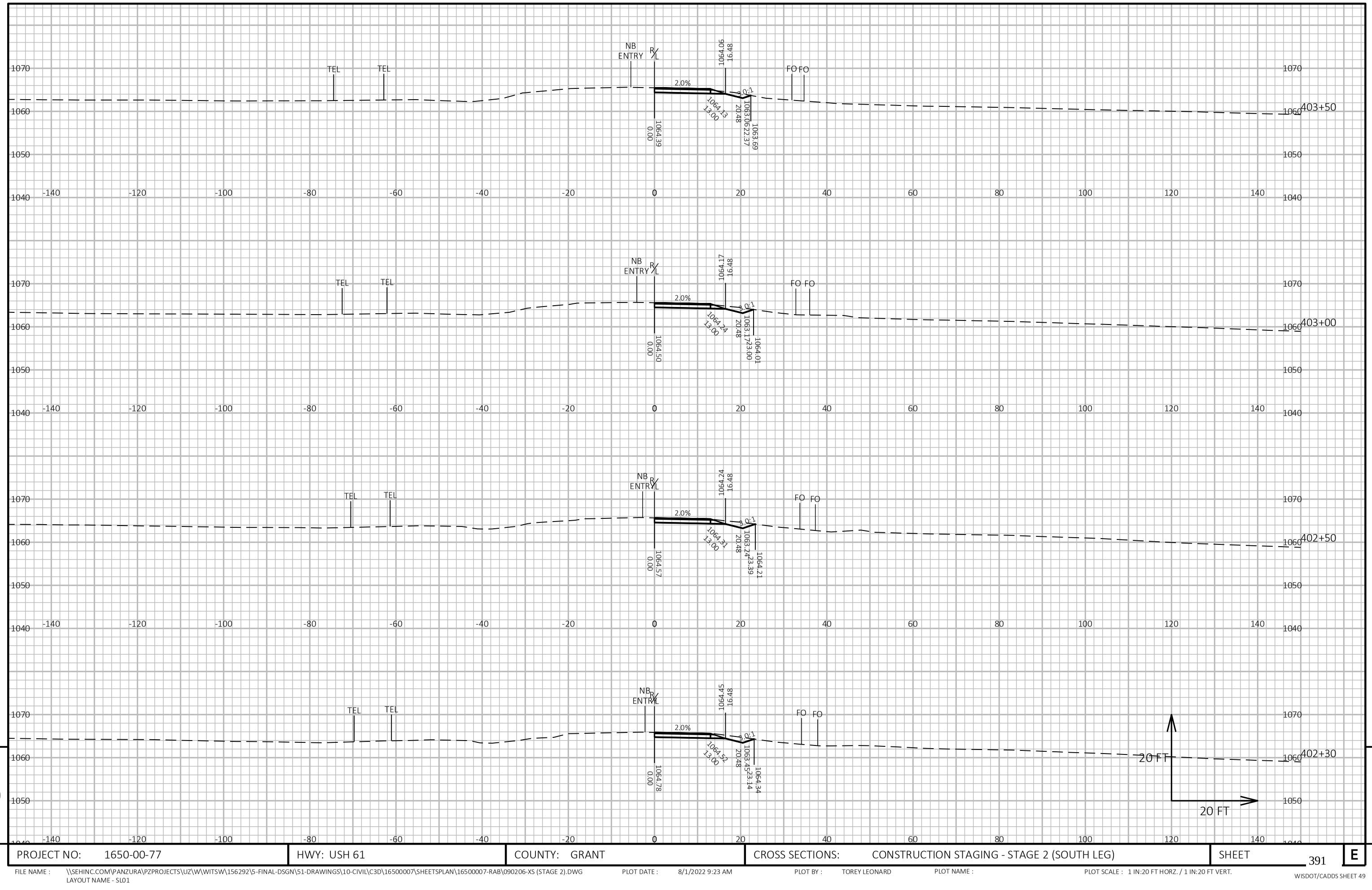


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 1 (STH 81)	SHEET 390	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090205-XS (STAGE 1).DWG
LAYOUT NAME - 81-9

PLOT DATE : 8/1/2022 9:23 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

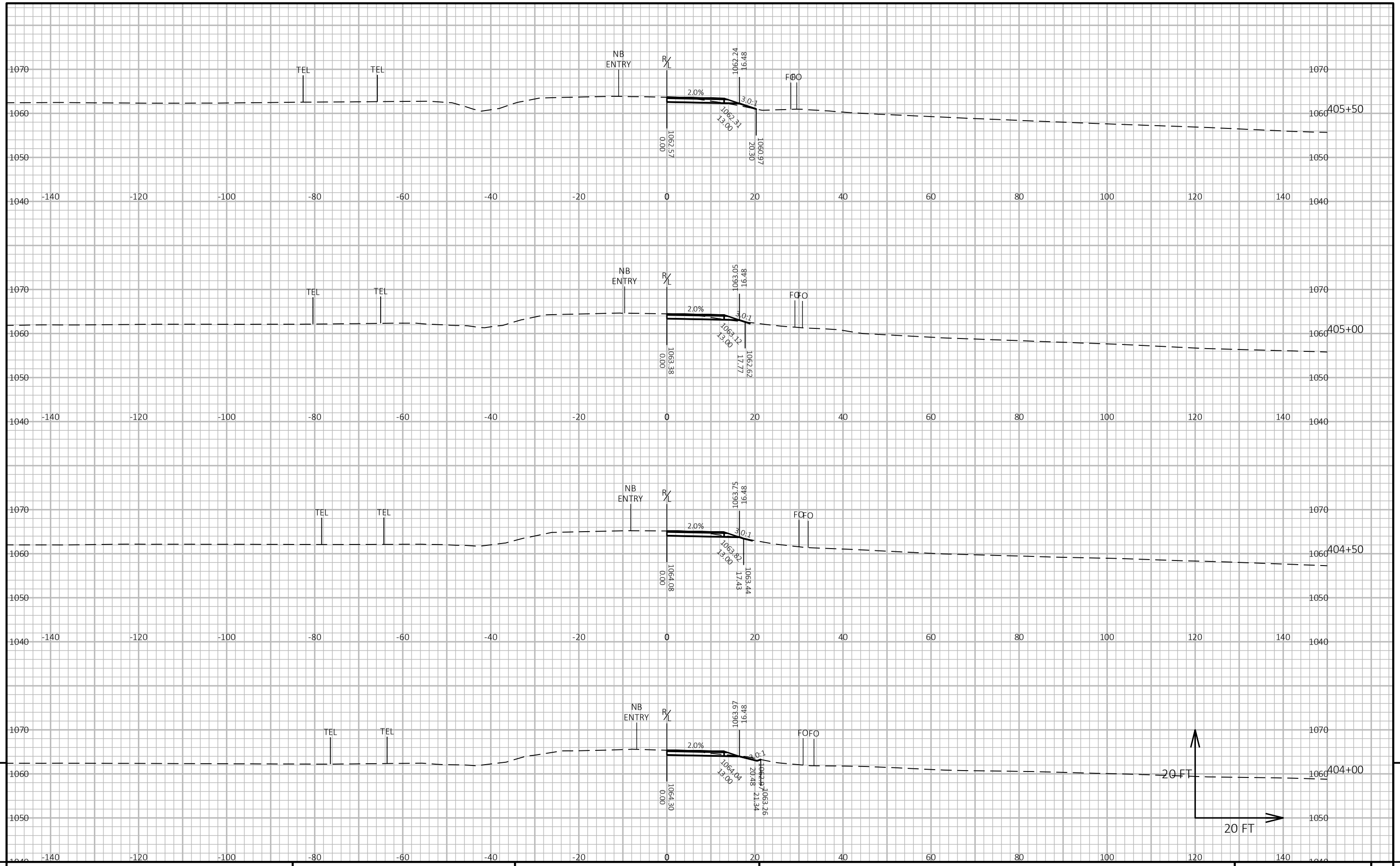


PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 391	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL01

PLOT DATE : 8/1/2022 9:23 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 392	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL02
PLOT DATE : 8/1/2022 9:23 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

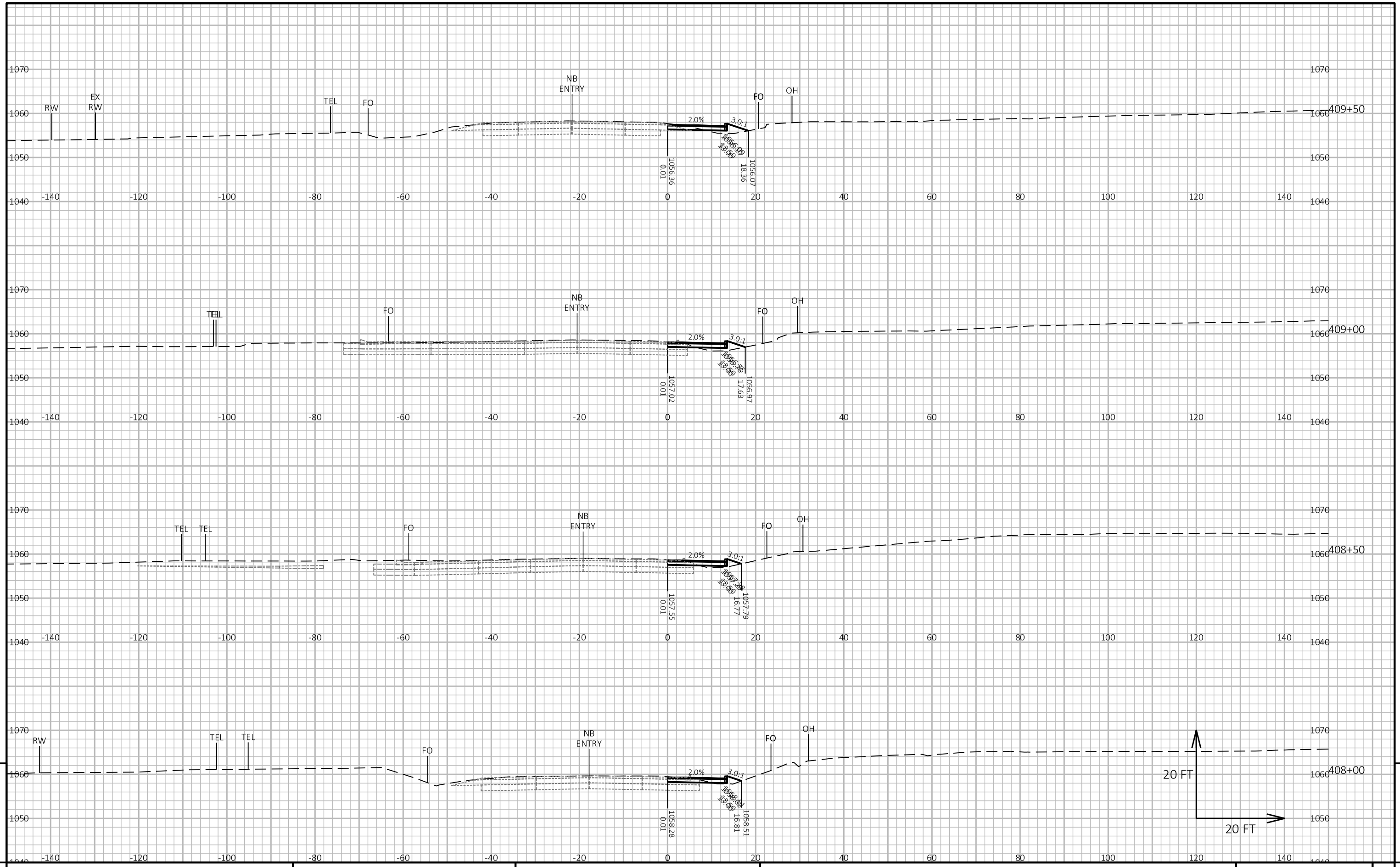


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 393	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL03
PLOT DATE : 8/1/2022 9:24 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 394	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL04

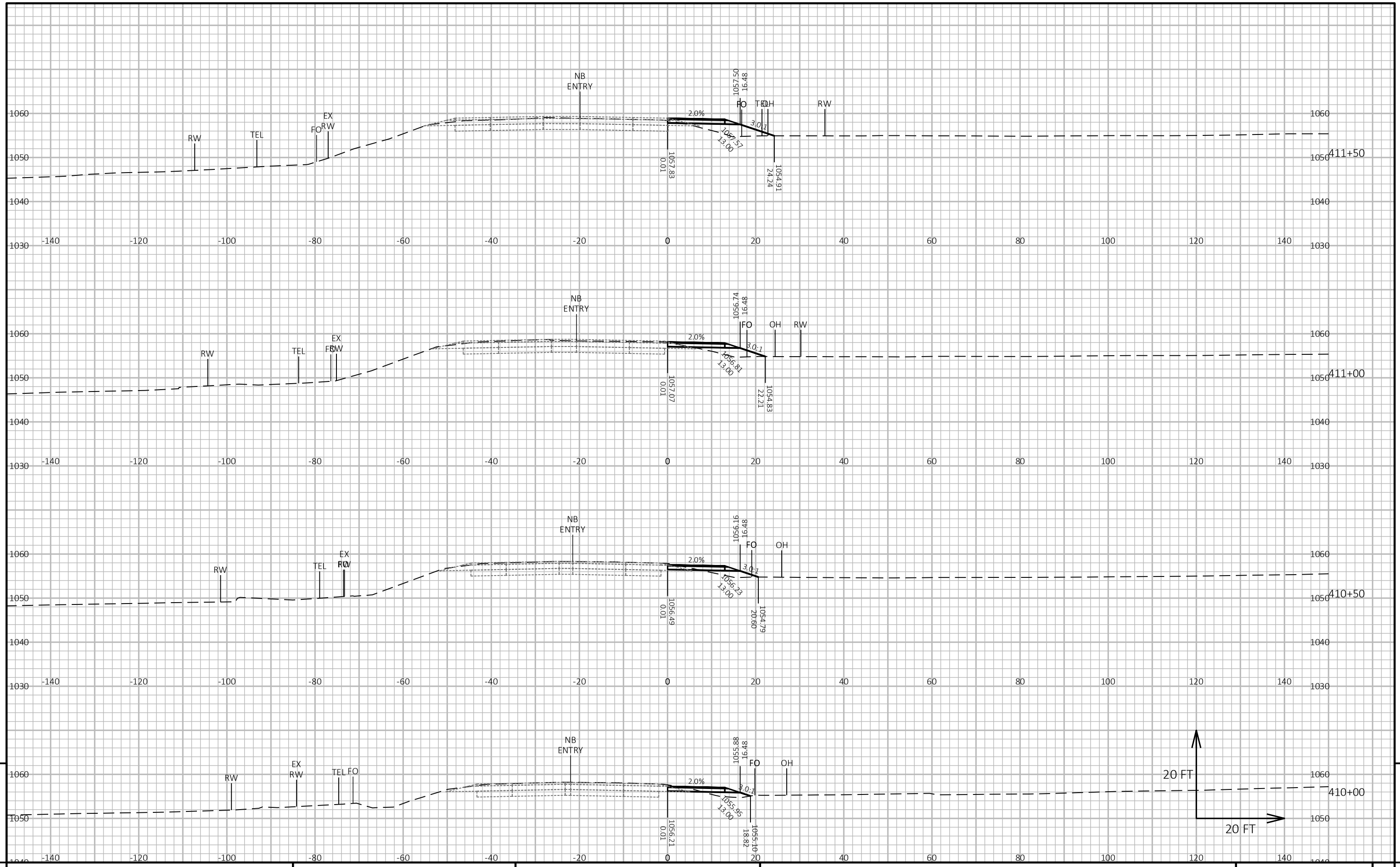
PLOT DATE : 8/1/2022 9:24 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

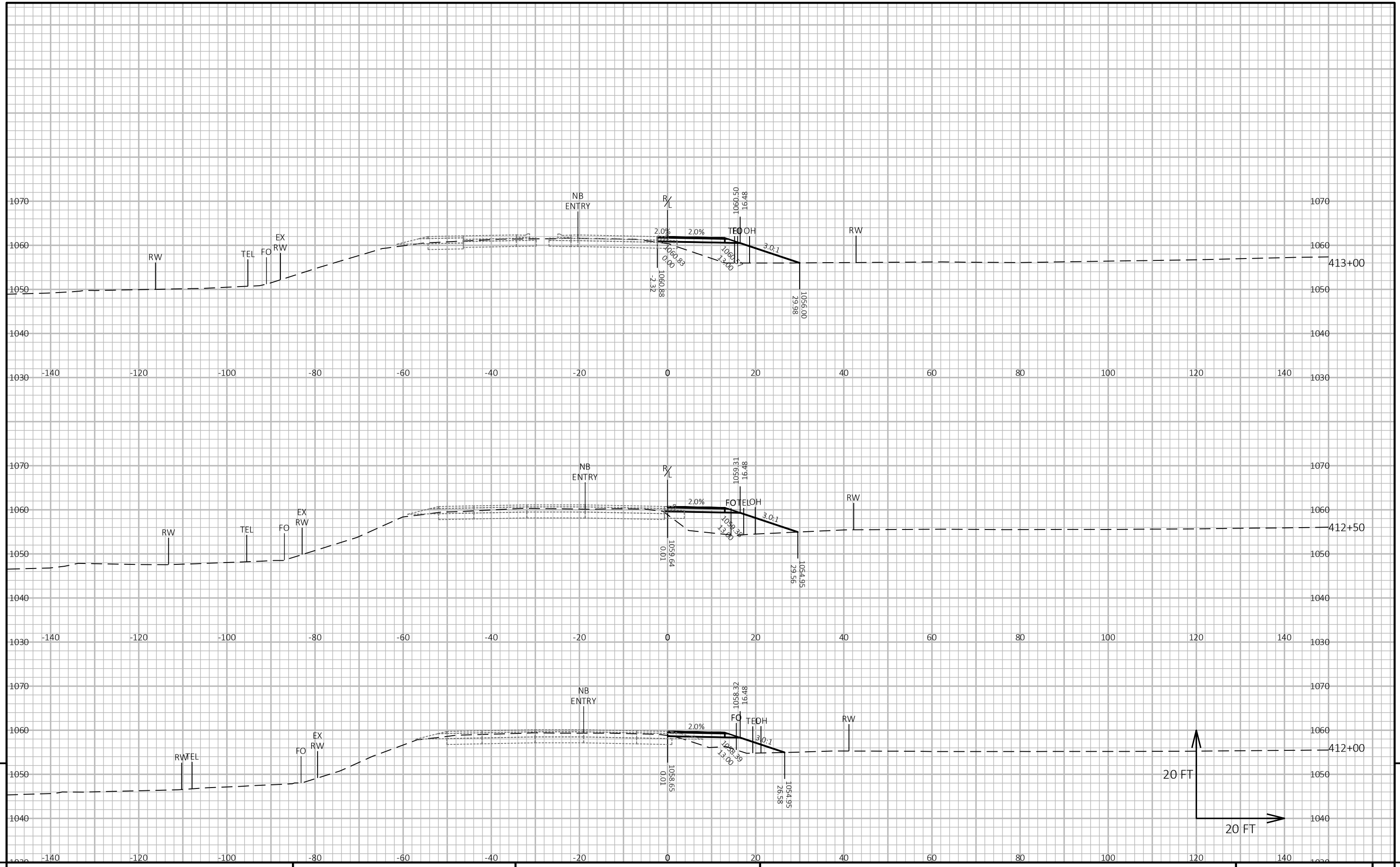


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 395	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL05
PLOT DATE : 8/1/2022 9:24 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

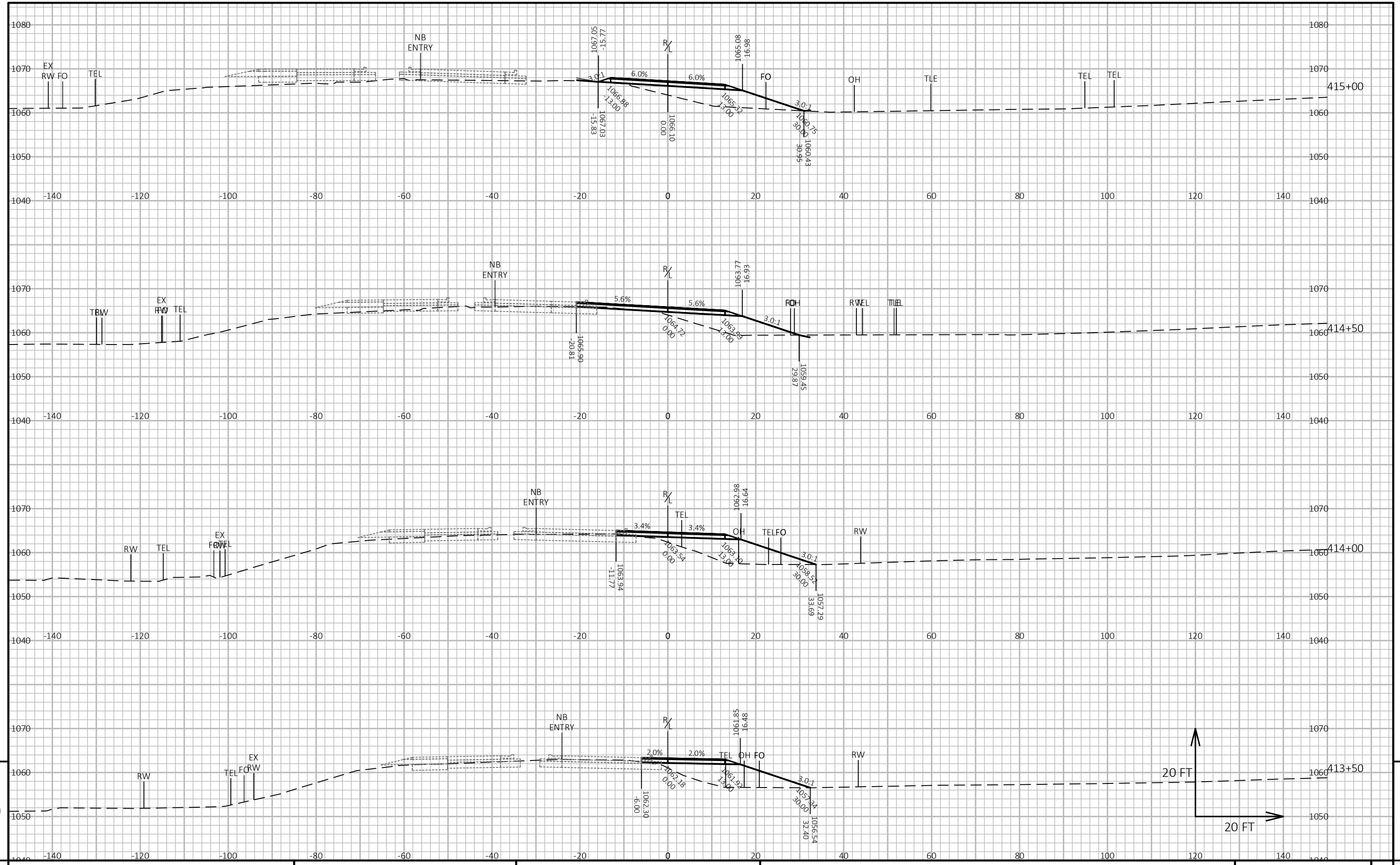


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 396	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL06
PLOT DATE : 8/1/2022 9:24 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

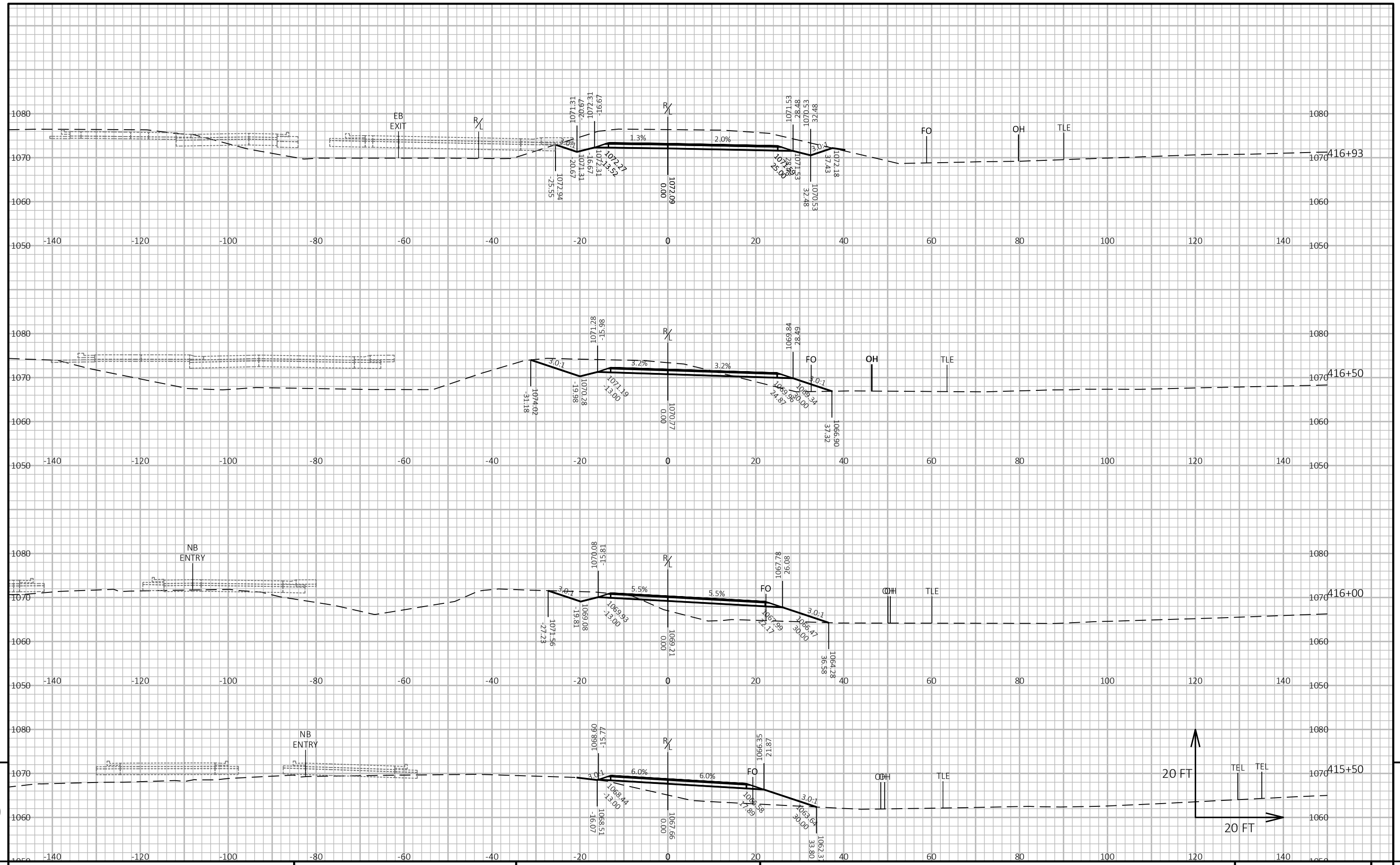


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 397	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL07
PLOT DATE : 8/1/2022 9:25 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

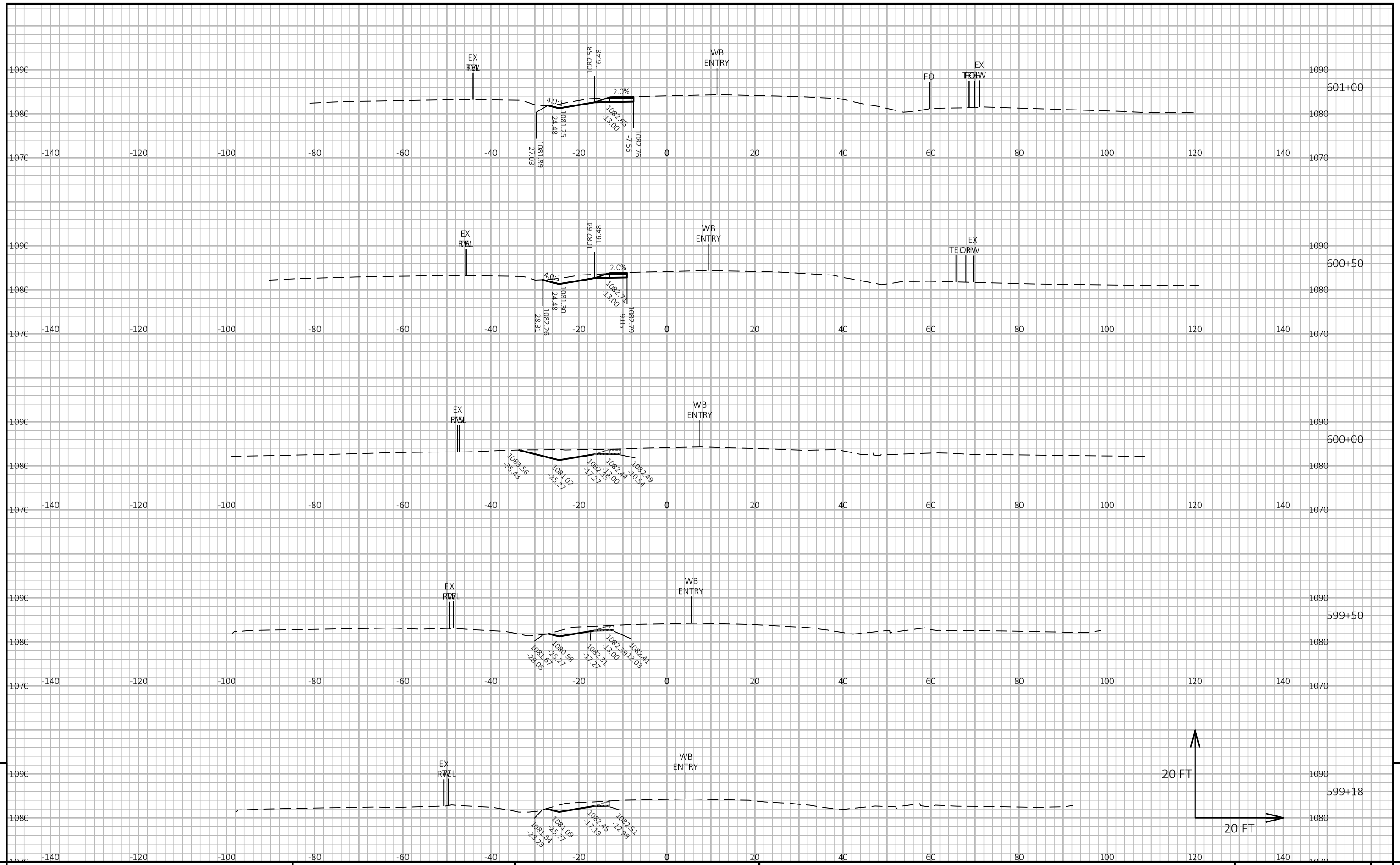


9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (SOUTH LEG)	SHEET 398	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - SL08
PLOT DATE : 8/1/2022 9:25 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

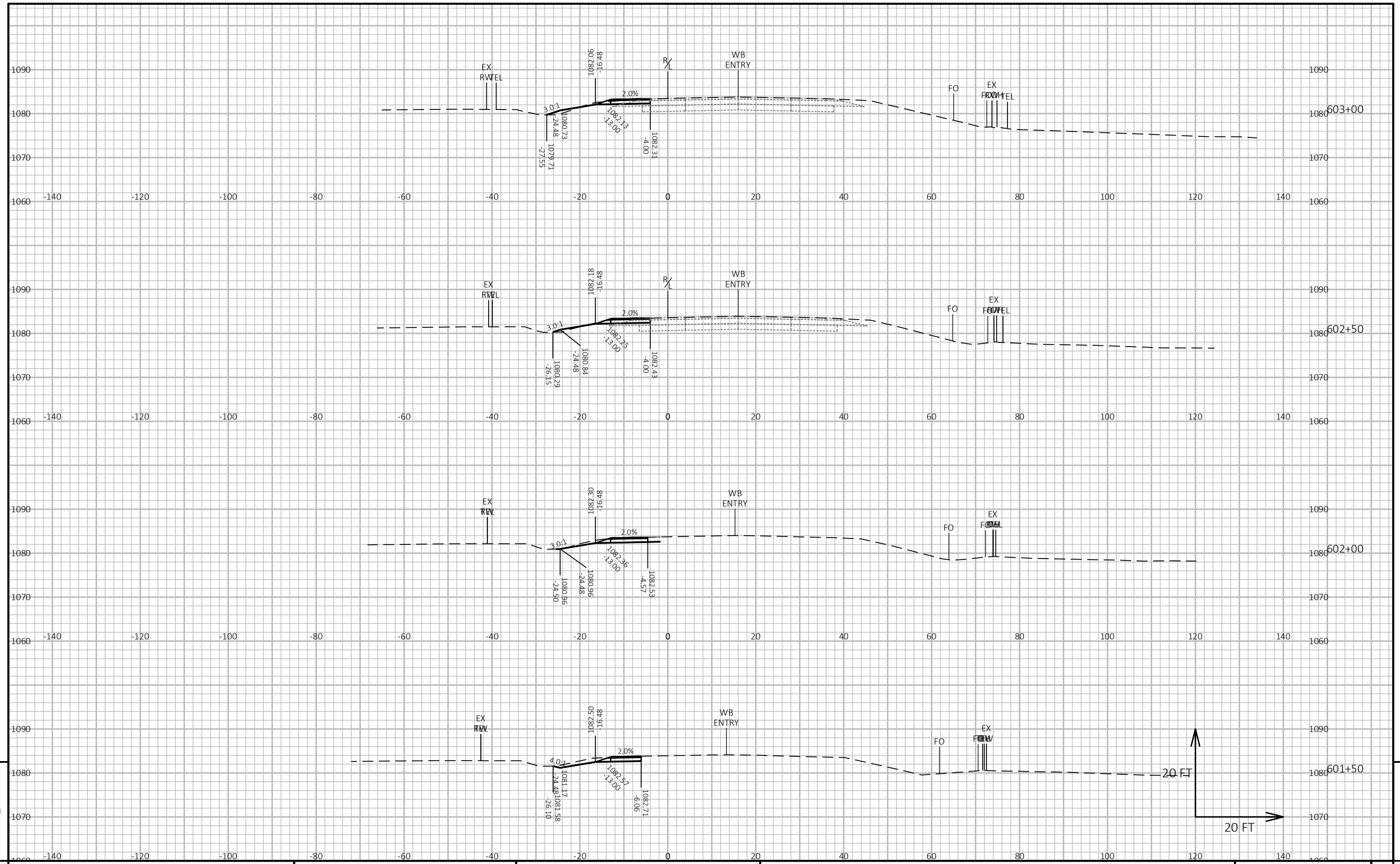
9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 399	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL01

PLOT DATE : 8/1/2022 9:28 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

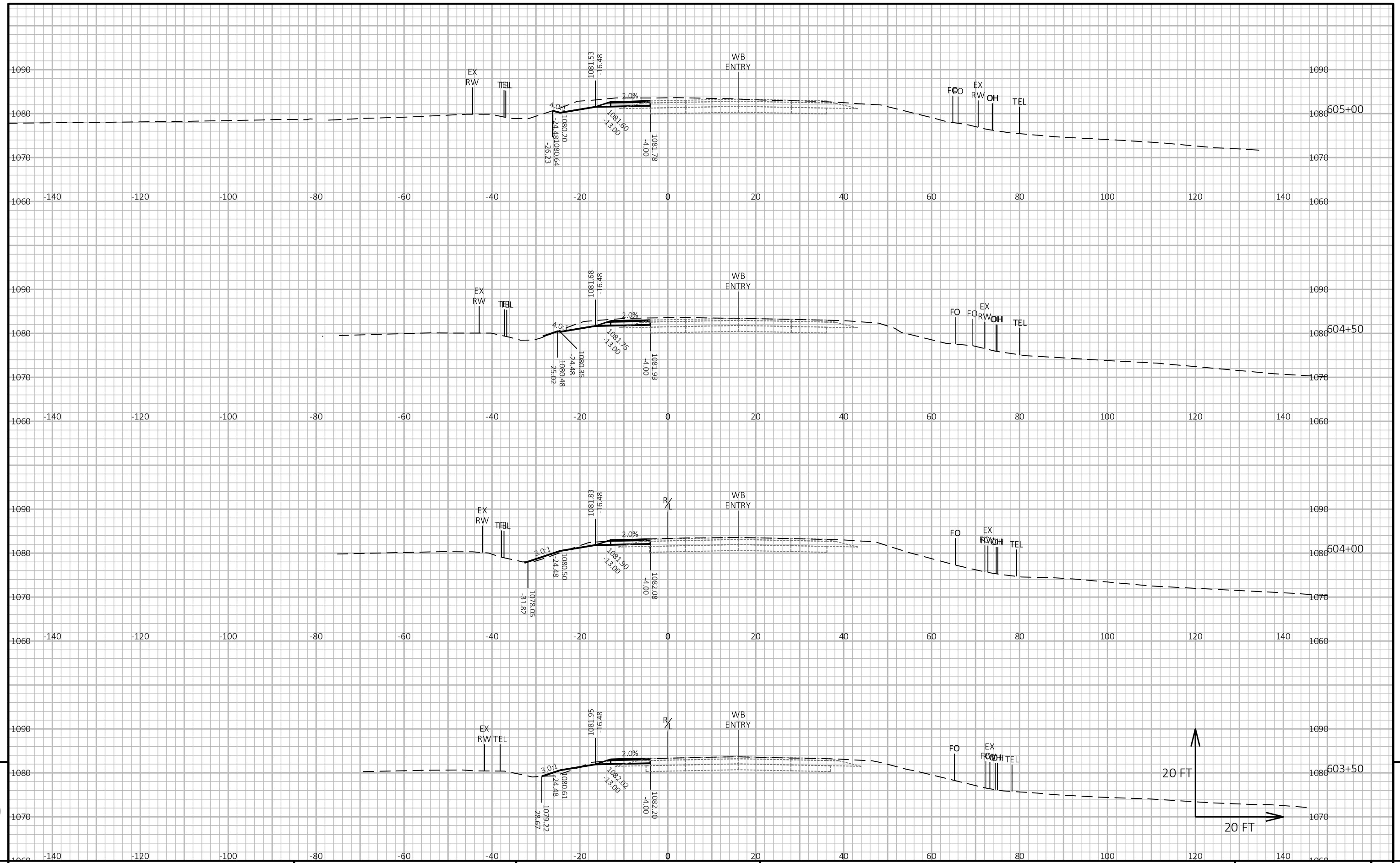
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 400	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL02
PLOT DATE : 8/1/2022 9:28 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 401	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL03

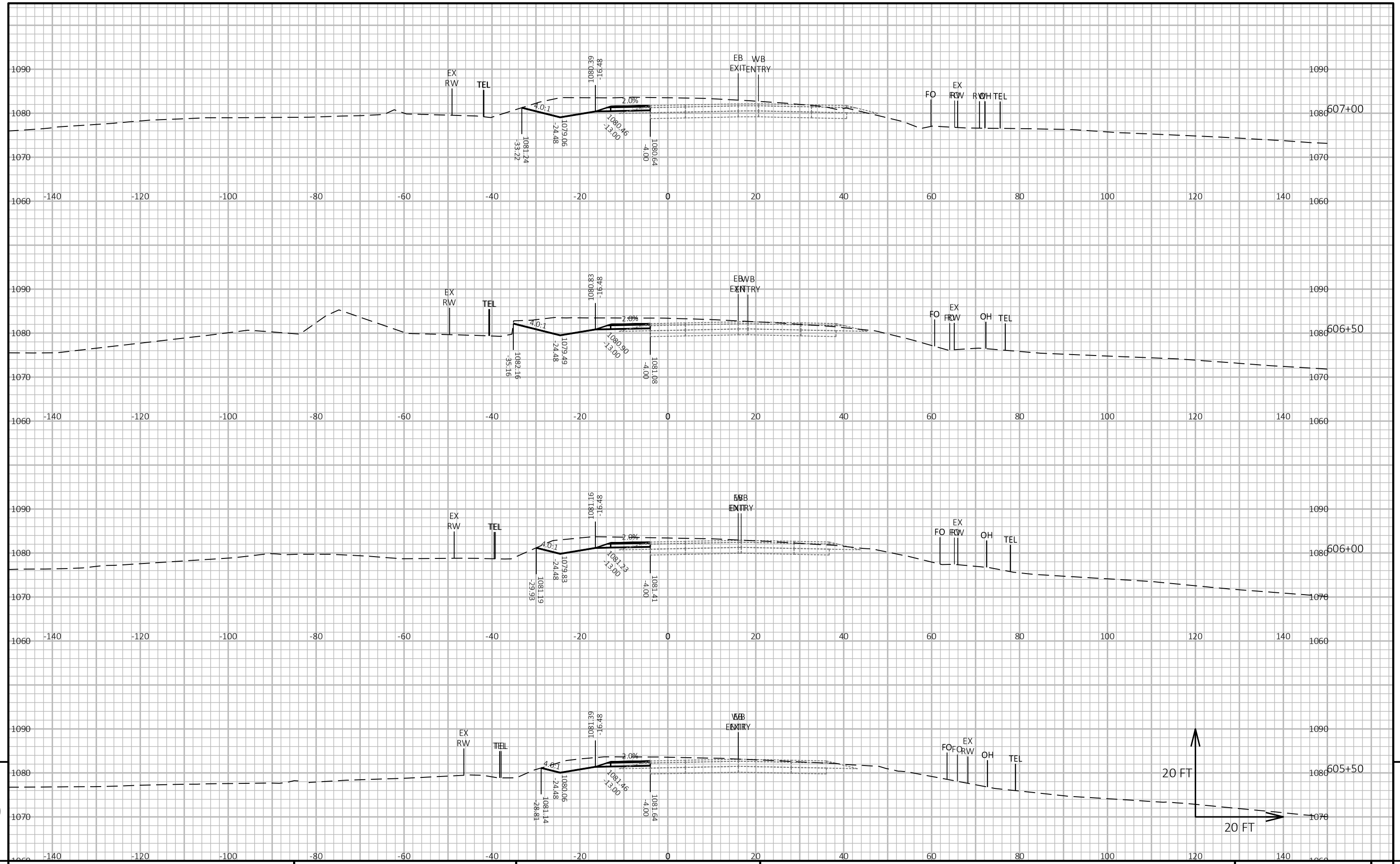
PLOT DATE : 8/1/2022 9:28 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

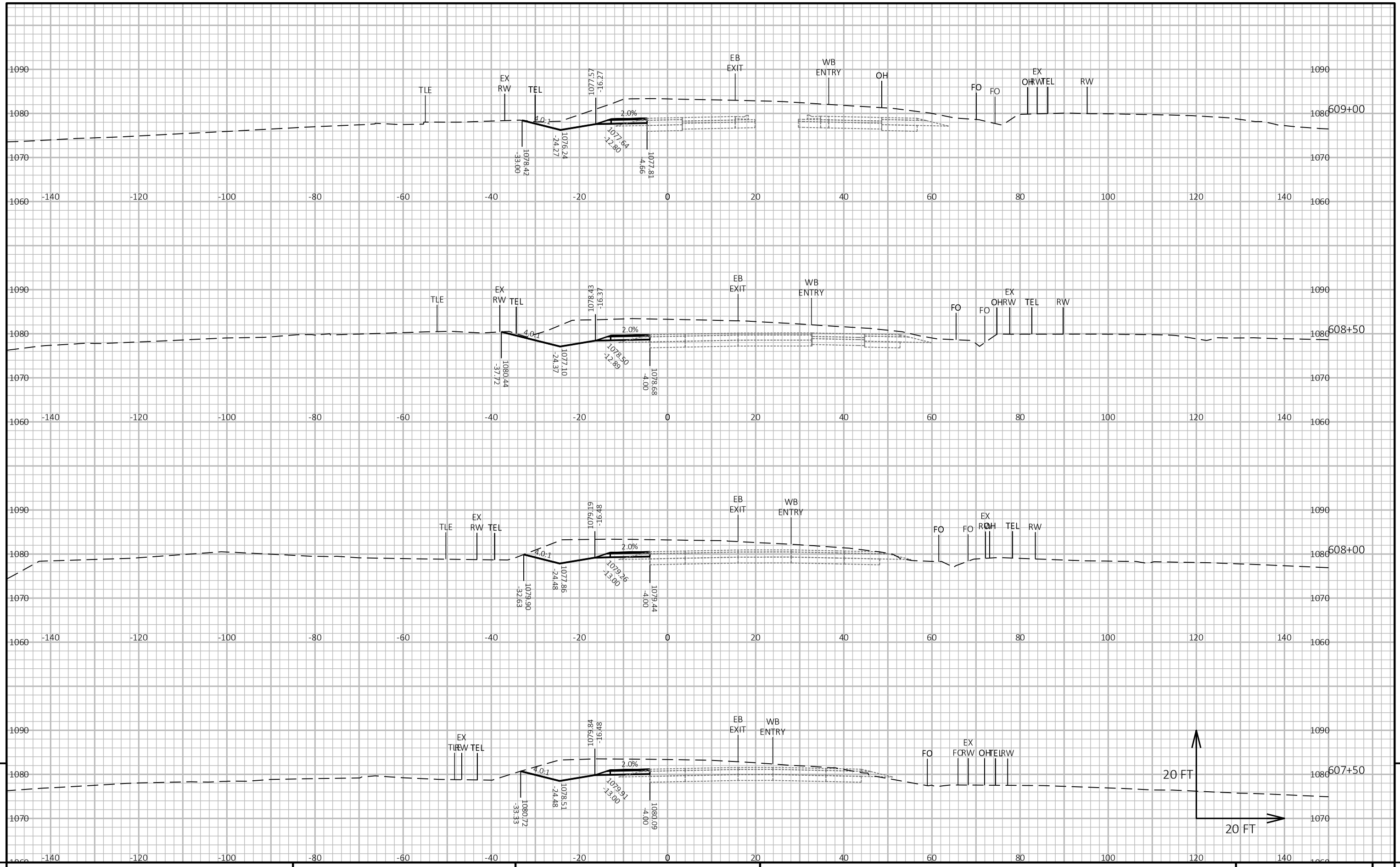
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 402 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL04
PLOT DATE : 8/1/2022 9:29 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 403	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL05

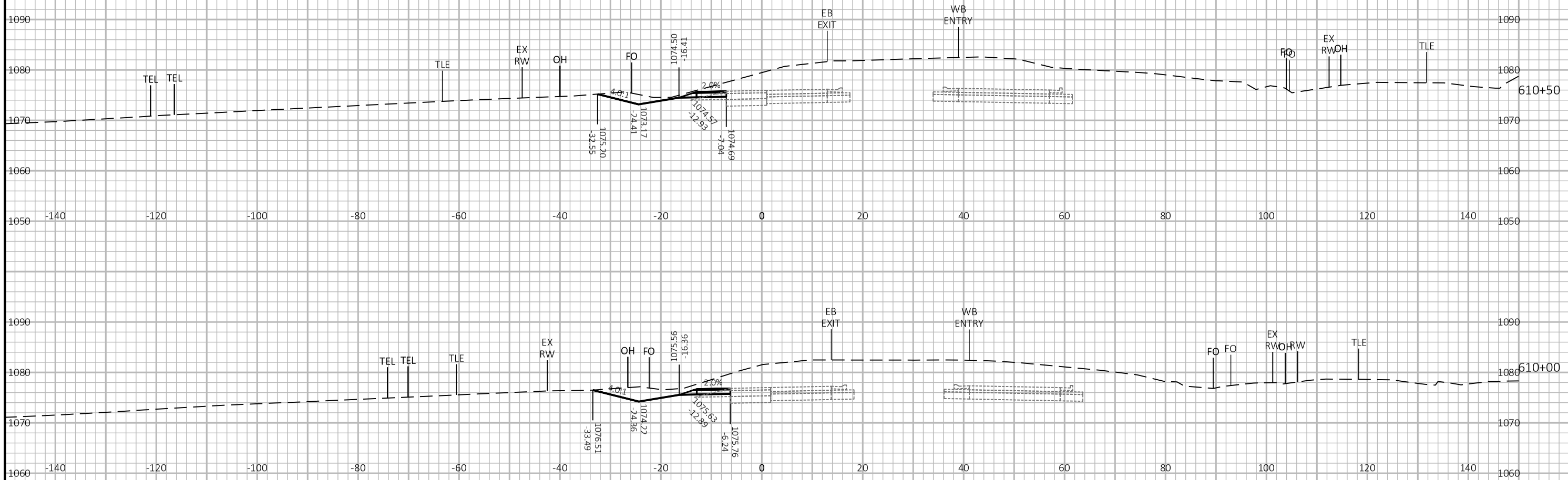
PLOT DATE : 8/1/2022 9:29 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 404	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL06

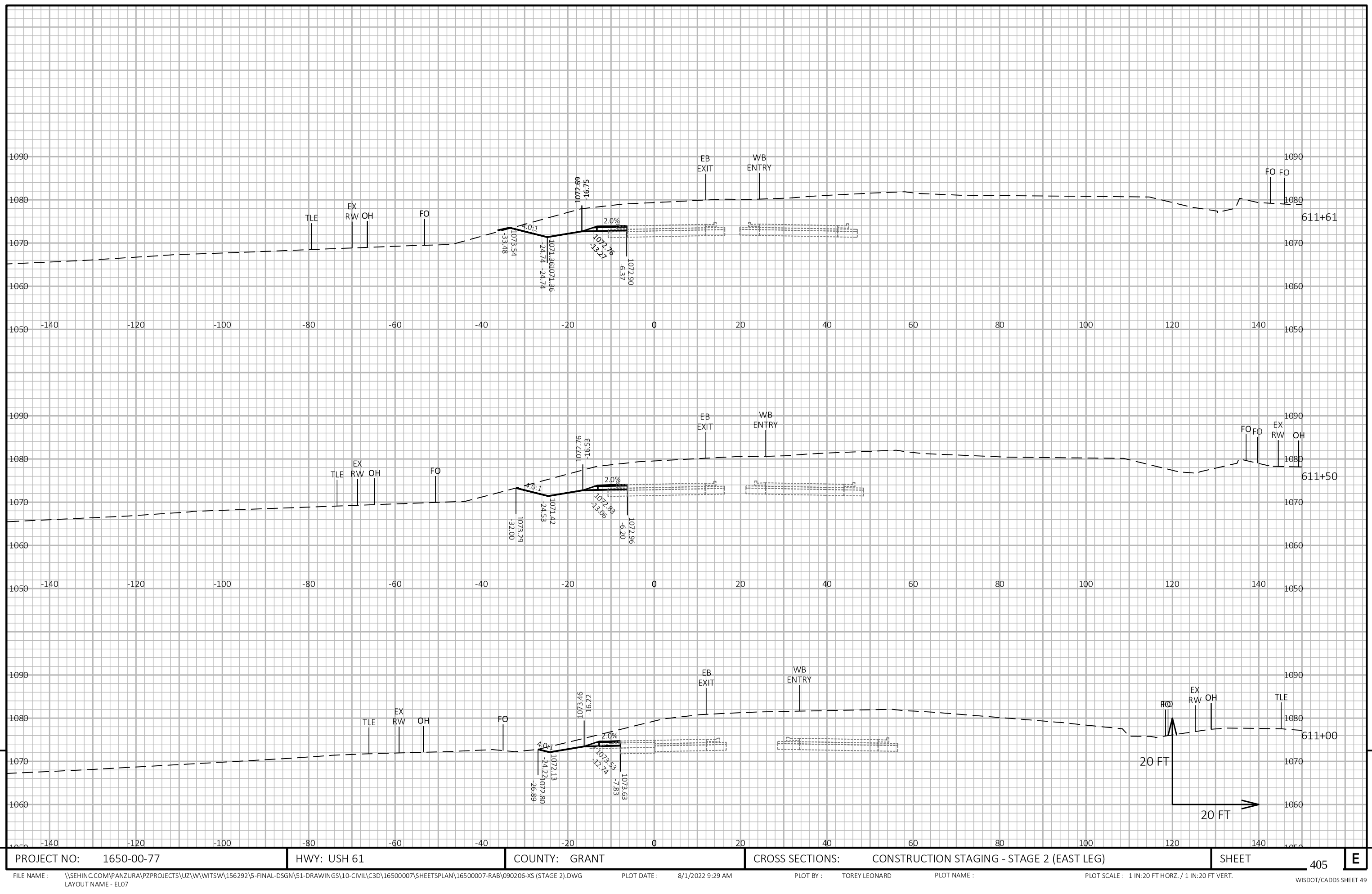
PLOT DATE : 8/1/2022 9:29 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 2 (EAST LEG)	SHEET 405	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090206-XS (STAGE 2).DWG
LAYOUT NAME - EL07

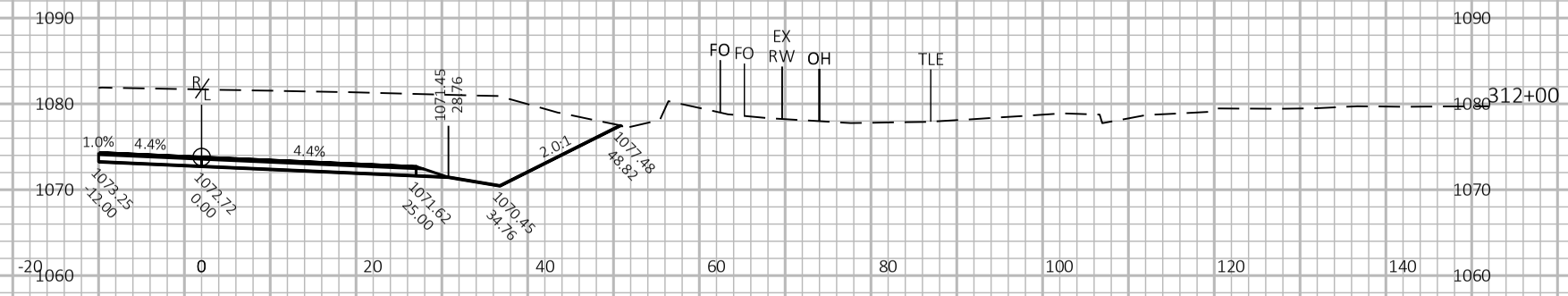
PLOT DATE : 8/1/2022 9:29 AM

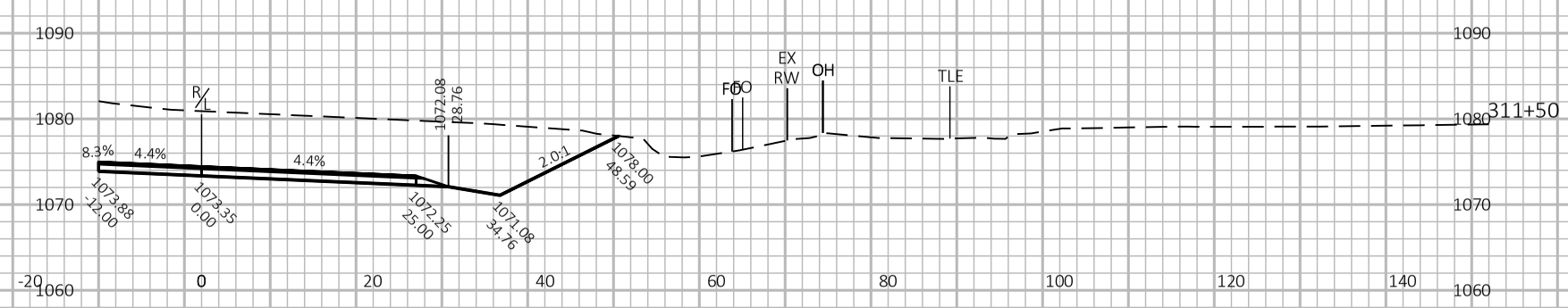
PLOT BY : TOREY LEONARD

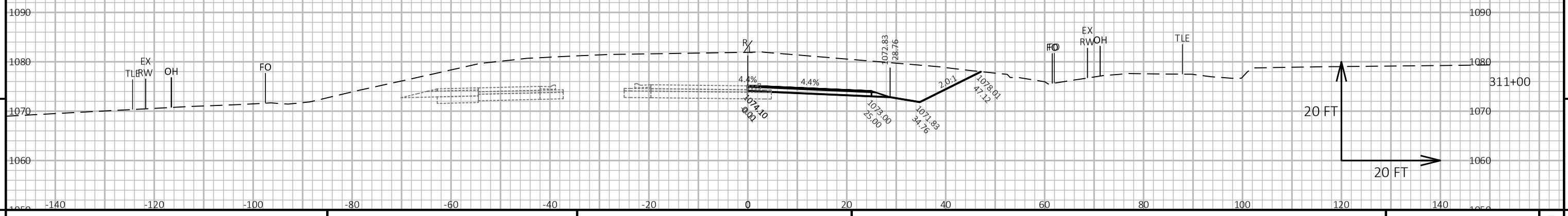
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 3	SHEET 406	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090207-XS (STAGE 3).DWG
LAYOUT NAME - S301

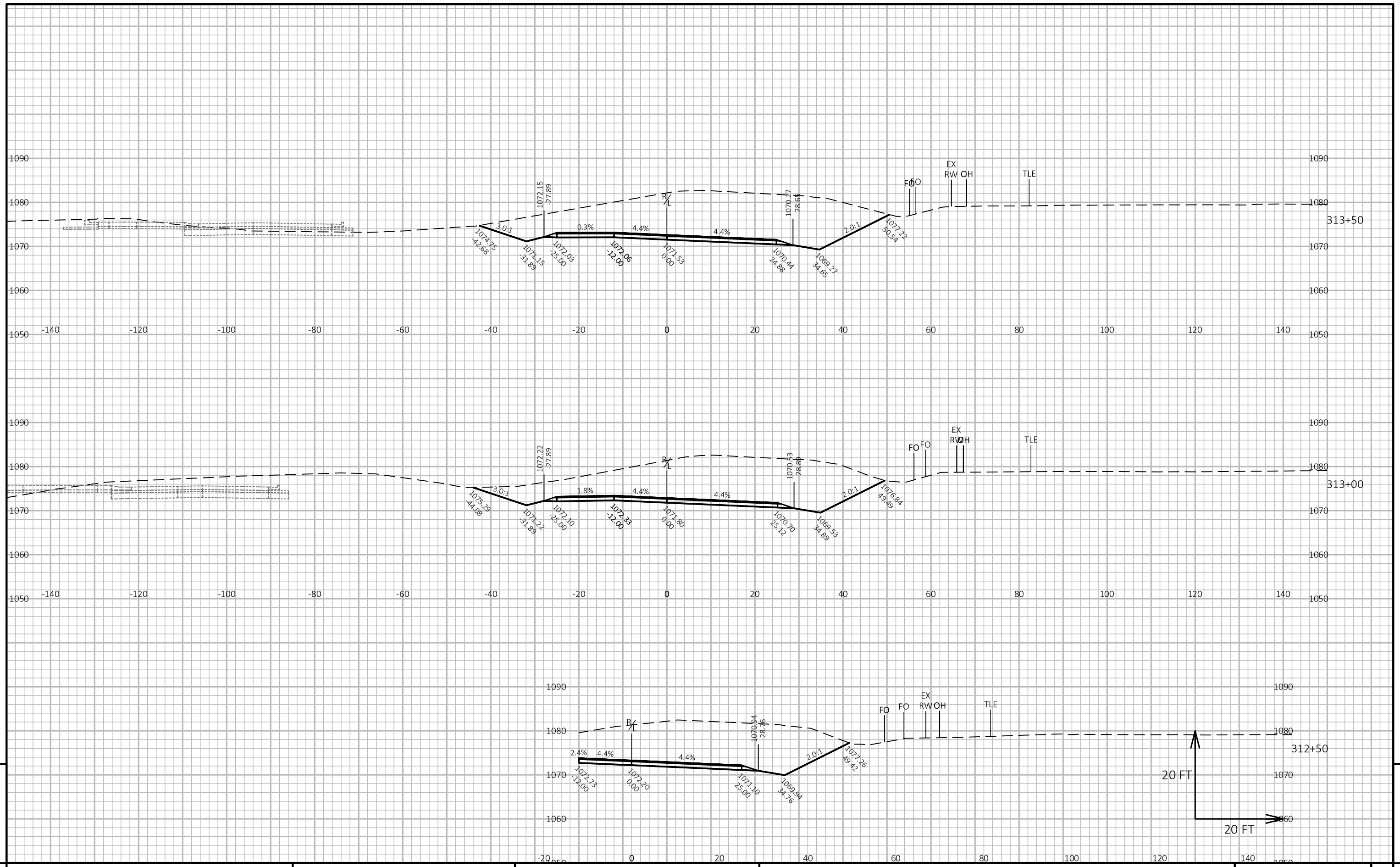
PLOT DATE : 8/1/2022 9:27 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 3	SHEET 407	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090207-XS (STAGE 3).DWG
LAYOUT NAME - S302

PLOT DATE : 8/1/2022 9:27 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

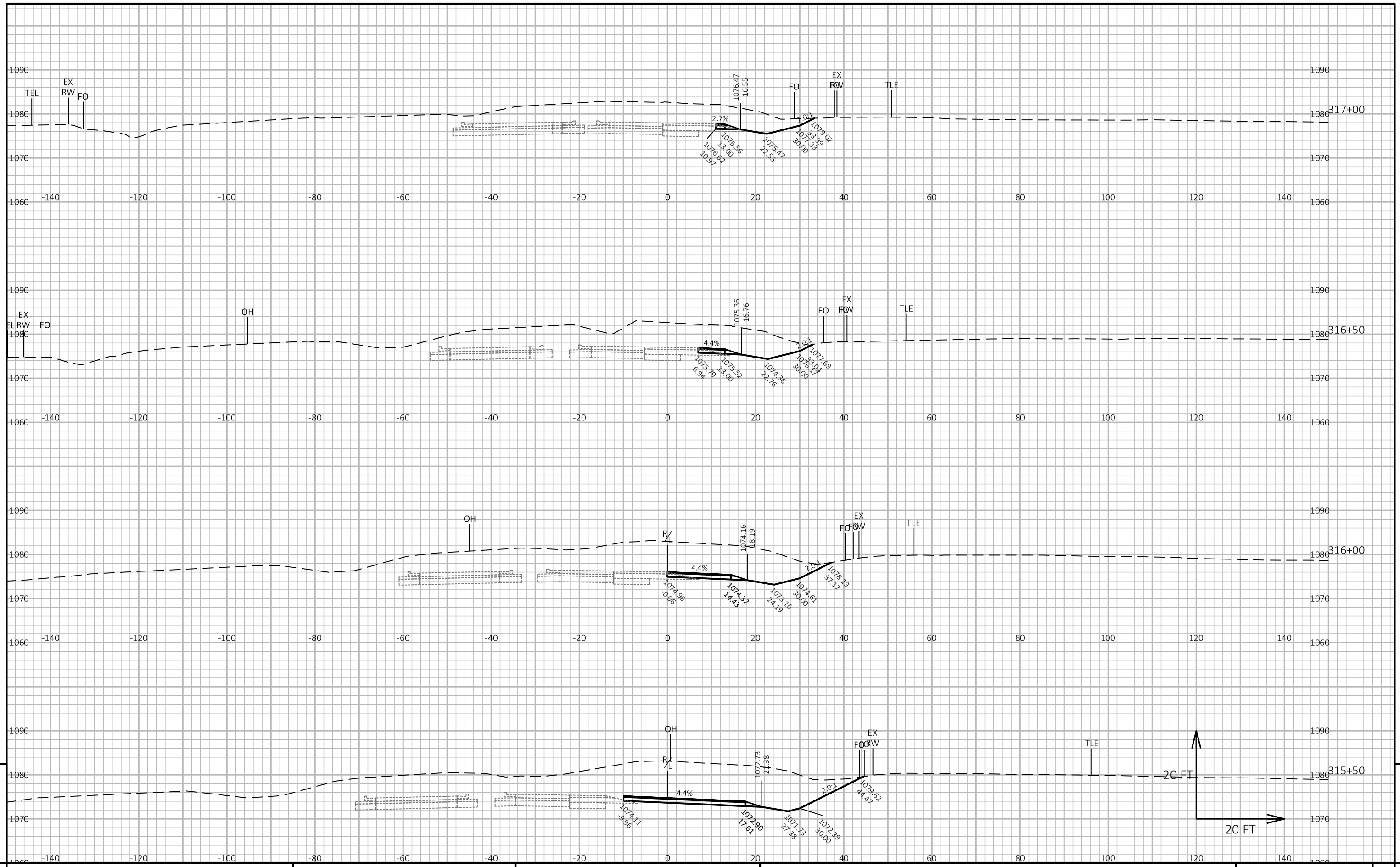
WISDOT/CADDS SHEET 49

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 3	SHEET 408	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090207-XS (STAGE 3).DWG
LAYOUT NAME - S303

PLOT DATE : 8/1/2022 9:27 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 3	SHEET 409	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090207-XS (STAGE 3).DWG
LAYOUT NAME - S304

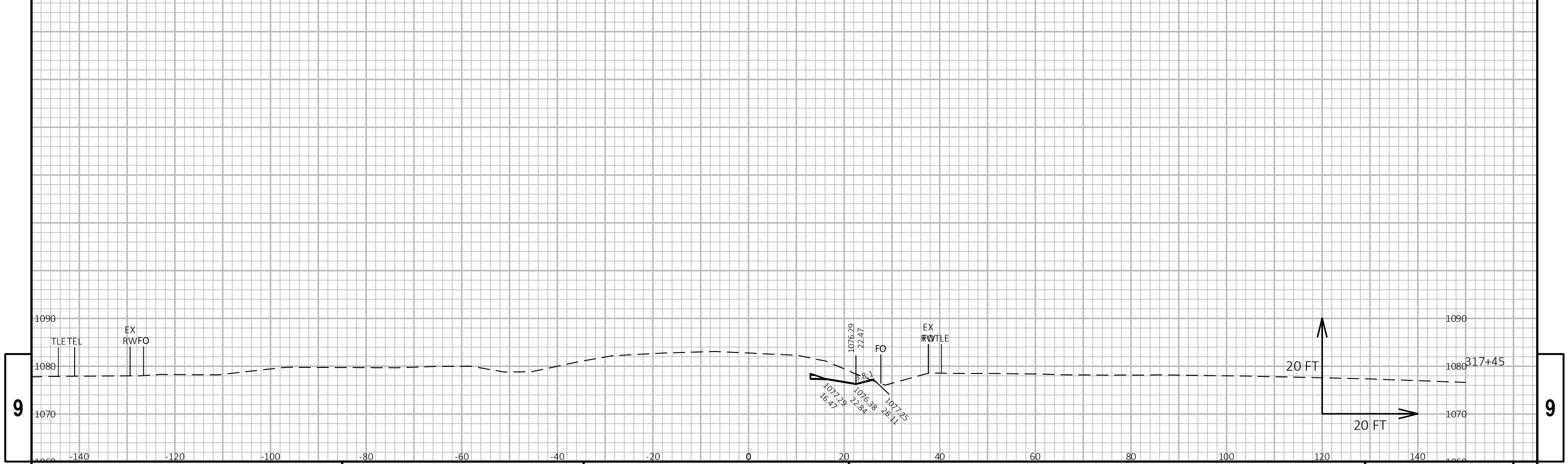
PLOT DATE : 8/1/2022 9:27 AM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-00-77	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: CONSTRUCTION STAGING - STAGE 3	SHEET 410	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500007-RAB\090207-XS (STAGE 3).DWG
LAYOUT NAME - S305
PLOT DATE : 8/1/2022 9:27 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

LAX

JANUARY 2023

PROJECT ID: 1650-06-72

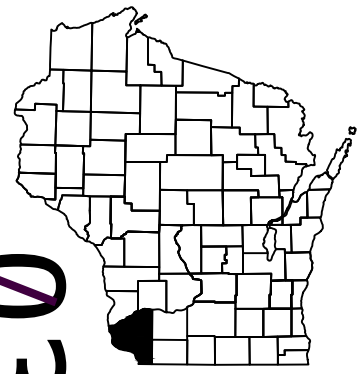
WITH: 1650-00-77

COUNTY: GRANT

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 = 356



03

N

DESIGN DESIGNATION

A.A.D.T.	2024	=	7300
A.A.D.T.	2044	=	8000
D.H.V.		=	900
D.D.		=	50/50
T.		=	16.3%
DESIGN SPEED		=	55 MPH
ESALS		=	3,100,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

DICKEYVILLE - LANCASTER

HICKORY LANE TO ALONA LANE

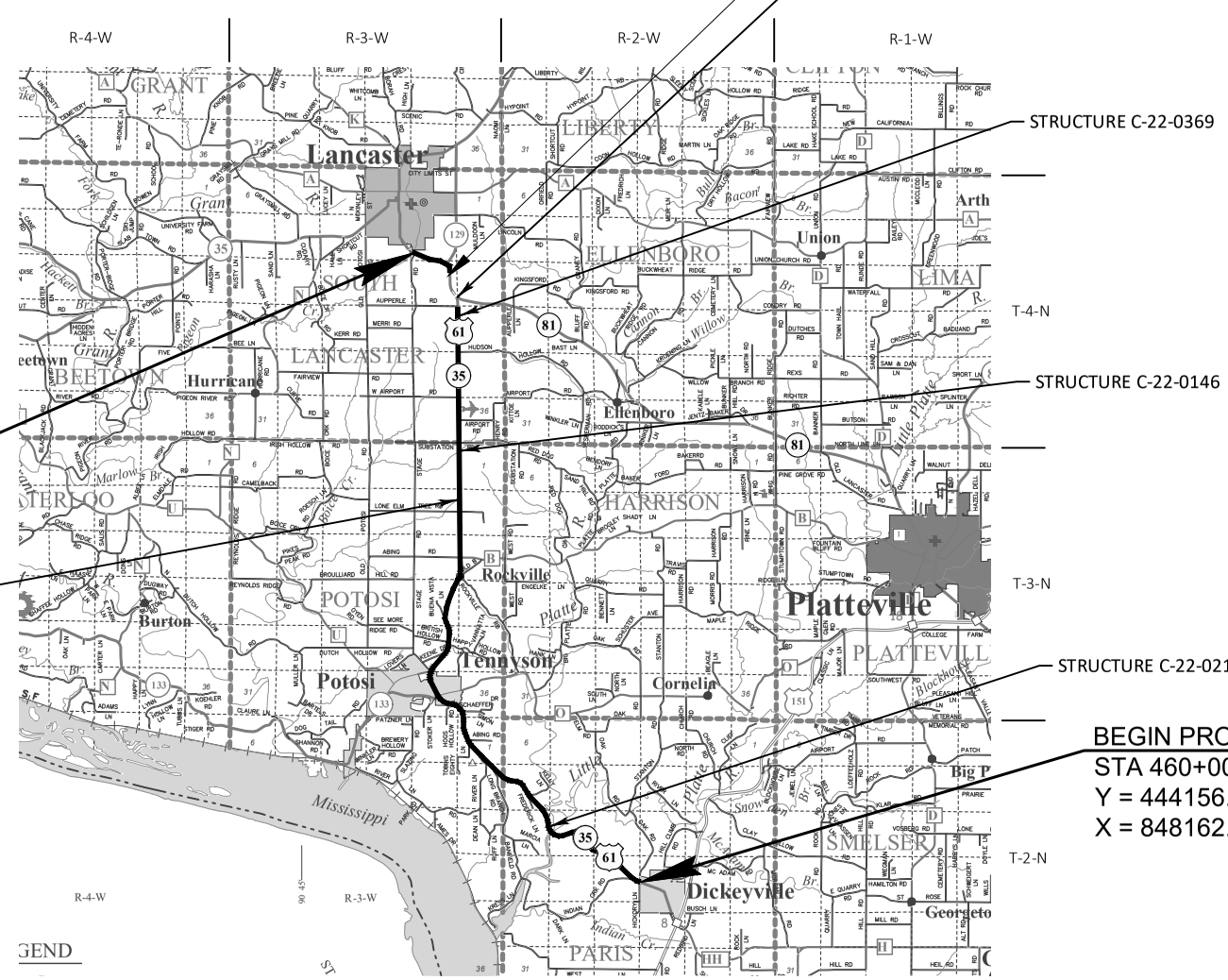
USH 61

GRANT COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1650-06-72	WISC 2023137	1

STATE PROJECT NUMBER

1650-06-72



EQUATION STA 1306+16.99 BK=
STA 1304+56.96 AHD

NOTE, SEE PROJECT 1650-00-77 FOR USH 61
STH 81 ROUNDABOUT WORK

STRUCTURE C-22-0369

STRUCTURE C-22-0146

STRUCTURE C-22-0212

STRUCTURE C-22-0385

END PROJECT
STA 1390+00.00'MLB'

BEGIN PROJECT
STA 460+00.00
Y = 444156.861
X = 848162.807

LAYOUT

SCALE 0 4 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI

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

ORIGINAL PLANS PREPARED BY

SEH

WISCONSIN
TOREY R. LEONARD
E-42982-6
HOLMEN, WI
PROFESSIONAL ENGINEER

7/25/2022 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH
Designer	SEH
Project Manager	PAUL VALENTI
Regional Examiner	SW REGION
Regional Supervisor	REINY YAHNKE

APPROVED FOR THE DEPARTMENT

DATE: 07/28/2022 Paul M Valenti (Signature)

E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\010101_TI.DWG PLOT DATE : 7/22/2022 11:38 AM PLOT BY : TOREY LEONARD PLOT NAME :

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
COB	CENTER OF BARRIER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPERANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 46.1ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 46.1ACRES

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
SOUTH CENTRAL REGION HEADQUARTERS
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
TELEPHONE: 608.275.3308
ATTENTION: ANDY BARTA
EMAIL: ANDY.BARTA@WISCONSIN.GOV

WISDOT CONTACT

WISCONSIN DEPT OF TRANSPORATION
SOUTHWEST REGION
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9053
ATTENTION: PAUL VALENTI
EMAIL: PAUL.VALENTI@DOT.WI.GOV

DESIGN CONTACT:

SEH INC.
329 JAY STREET, SUITE 301
LA CROSSE, WI 54601
TELEPHONE: 608.498.4019
ATTENTION: TOREY LEONARD
EMAIL: TLEONARD@SEHINC.COM

UTILITY CONTACT LIST:

ALLIANT ENERGY - ELECTRICITY
490 SHAKERAG STREET
MINERAL POINT, WI 53565
ATTENTION: JAY RUNDE
TELEPHONE: 608.458.4224, 608.341.0594 (MOBILE)
EMAIL: JAYRUNDE@ALLIANTENERGY.COM

ATC MANAGEMENT, INC. - ELECTRICITY TRANSMISSION
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
ATTENTION: DOUG VOSBERG
TELEPHONE: 608.877.7650
EMAIL: DVOSBERG@ATCLLC.COM

CITY OF LANCASTER - WATER & SEWER
206 S MADISON ST
LANCASTER, WI 53813
ATTENTION: JOHN HAUTH
TELEPHONE: 608.723.7543, 608.778.3779 (MOBILE)
EMAIL: JOHNH@LANCASTERWISCONSIN.COM

DAIRYLAND POWER COOPERATIVE - ELECTRICITY
3200 EAST AVE S, PO BOX 817
LA CROSSE, WI 54602
ATTENTION: MIKE LYDON
TELEPHONE: 608.787.1381
EMAIL: MICHAEL..LYDON@DAIRYLANDPOWER.COM

SCENIC RIVERS ENERGY COOPERATIVE - ELECTRICITY
231 N SHERIDAN ST
LANCASTER, WI 53813-1342
ATTENTION: SHANE CROWLEY
TELEPHONE: 608.723.2121, EXT 553, 608.988.6455 (MOBLILE)
EMAIL: SCROWLEY@SREC.NET

SPECTRUM - COMMUNICATIONS
2701 DANIELS STREET
ATTENTION: STEVE HEGGE
TELEPHONE: 608.576.2613
EMAIL: STEVE.HEGGE@CHARTER.COM

TDS TELECOM (FARMERS AND DICKEYVILLE) - COMMUNICATIONS
525 JUNCTION ROAD
MADISON, WI 53717
ATTENTION: JERRY MYERS
TELEPHONE: 608.664.4404
EMAIL: JERRY.MYERS@TDSTELECOM.COM

WE ENERGIES - GAS/PETROLEUM
N3025 14TH AVE
MONROE, WI 53566
ATTENTION: ADAM MARING
TELEPHONE: 608.328.5679, 608.426.1715 (MOBILE)
EMAIL: ADAM.MARING@WE-ENERGIES.COM

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

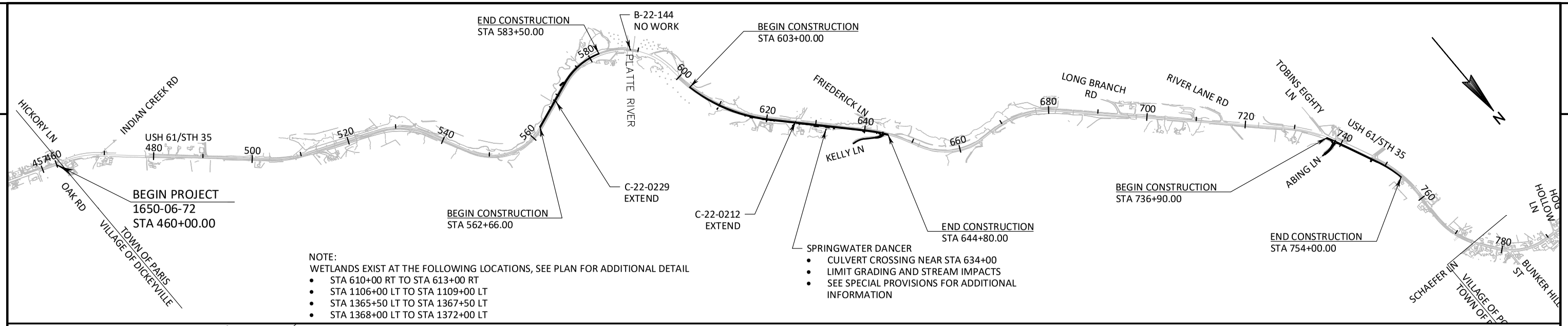
ORDER OF SHEETS - SECTION 2:

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
PERMANENT SIGNING
TRAFFIC CONTROL
TRAFFIC CONTROL
ALIGNMENT DETAILS
CONTROL POINTS

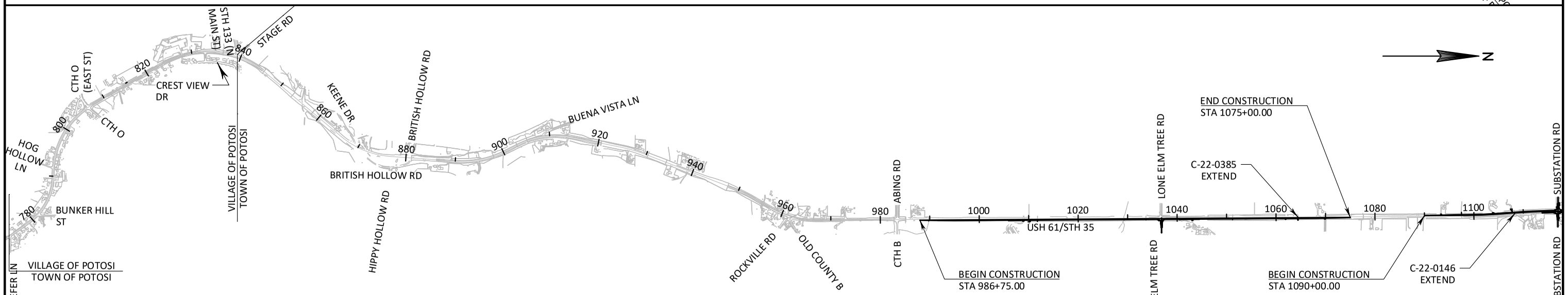
GENERAL NOTES:

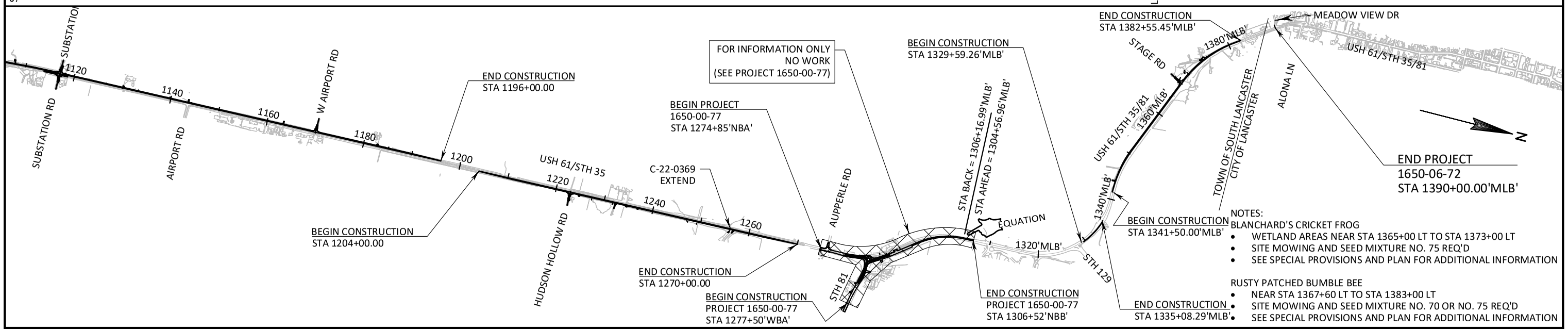
1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE ACTIVITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
5. CONCRETE COLLAR REQUIRED AT JOINTS BETWEEN EXISTING AND NEW CULVERT PIPE.
6. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
7. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
8. BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
9. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
10. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
11. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
12. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
13. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
14. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED AND SEEDED.
15. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
16. LENGTHS OF CULVERT PIPE CLASS III-A ASSUMES THE USE OF REINFORCED CONCRETE. IF OTHER MATERIAL IS USED THAT USES METAL APRON ENDWALLS, LENGTHEN PIPE BY THE "C" DISTANCE SHOWN IN THE APRON ENDWALL STANDARD DETAIL DRAWING.
17. A CONVERSION FACTOR OF 2.1 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 3/4-INCH.
18. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 1 1/4-INCH.
19. A CONVERSION FACTOR OF 1.8 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
20. APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE AND 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.
21. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
22. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISITENT WITH THE PLAN AND TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.
23. ALL TYPES OF ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL PAVEMENT DEPTH (INCH)	LAYER DEPTH (INCH)	HMA PAVEMENT ITEM
5.5	UPPER: 2.5	4 MT 58-28 S
	LOWER: 3.0	3 MT 58-28 S



NOTE:
WETLANDS EXIST AT THE FOLLOWING LOCATIONS, SEE PLAN FOR ADDITIONAL DETAIL
- STA 610+00 RT TO STA 613+00 RT
- STA 1106+00 LT TO STA 1109+00 LT
- STA 1365+50 LT TO STA 1367+50 LT
- STA 1368+00 LT TO STA 1372+00 LT

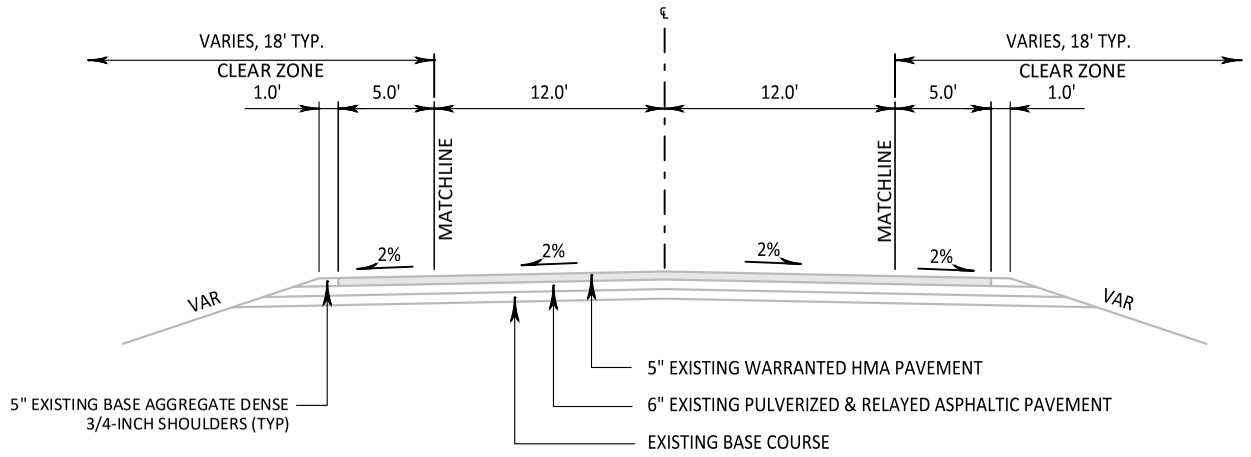




NOTES:
BLANCHARD'S CRICKET FROG
- WETLAND AREAS NEAR STA 1365+00 LT TO STA 1373+00 LT
- SITE MOWING AND SEED MIXTURE NO. 75 REQ'D
- SEE SPECIAL PROVISIONS AND PLAN FOR ADDITIONAL INFORMATION

RUSTY PATCHED BUMBLE BEE
- NEAR STA 1367+60 LT TO STA 1383+00 LT
- SITE MOWING AND SEED MIXTURE NO. 70 OR NO. 75 REQ'D
- SEE SPECIAL PROVISIONS AND PLAN FOR ADDITIONAL INFORMATION

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PROJECT OVERVIEW	SHEET 3	E

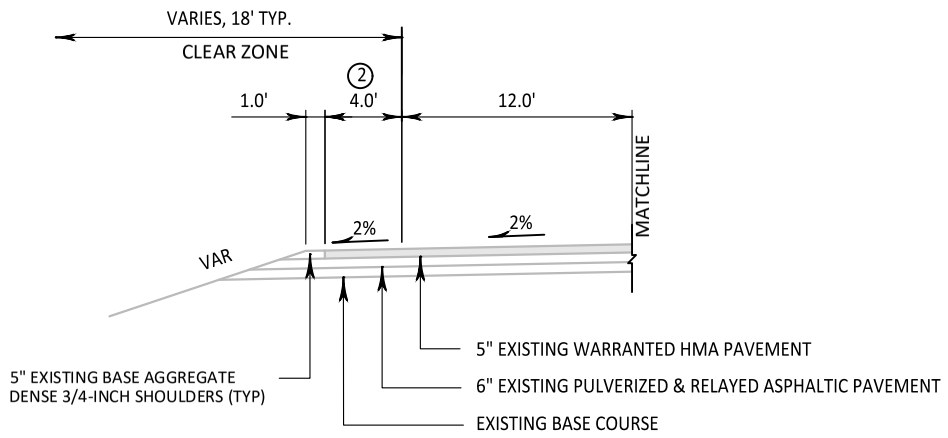


TYPICAL EXISTING SECTION

STA 562+66.00 TO 582+00.00 (LT)
STA 603+00.00 TO 640+42.00 (LT)
STA 737+38.00 TO 754+00.00 (LT)

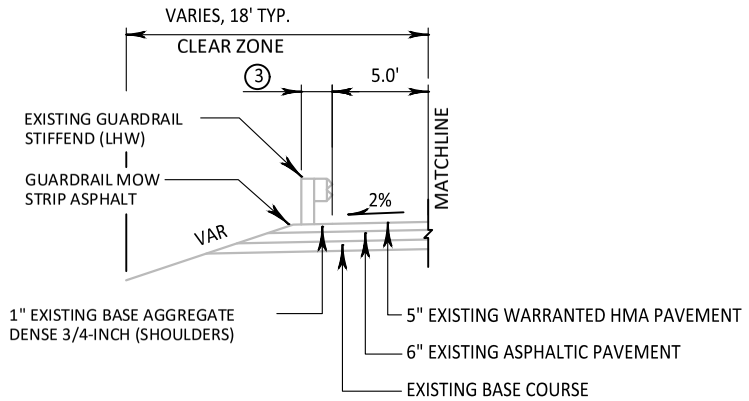
NOTES:

1. MIRROR IMAGE.
2. 4' PAVED SHOULDER AND 4' LATERAL CLEARANCE OFFSET FROM TRUCK CLIMBING LANE AT GUARDRAIL STIFFENED (LHW) LOCATIONS.
3. BASE AGGREGATE DENSE 3/4-INCH WIDTH VARIES AT GUARDRAIL STIFFENED (LHW) LOCATIONS BASED ON EXISTING EMBANKMENT SLOPES. 2' BEHIND BACK OF BEAM GUARD POSTS DES./0' BEHIND BACK OF BEAM GUARD POSTS MIN



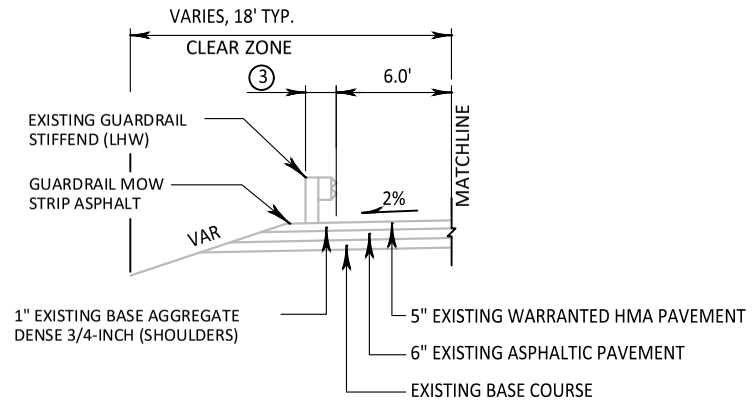
TYPICAL EXISTING SECTION

STA 639+97.00 TO 640+42.00 (RT) (1)
STA 737+38.00 TO 738+48.00 (RT) (1)



TYPICAL EXISTING SECTION

STA 566+90.00 TO 577+92.00 (LT)
STA 581+00.00 TO 582+00.00 (LT)

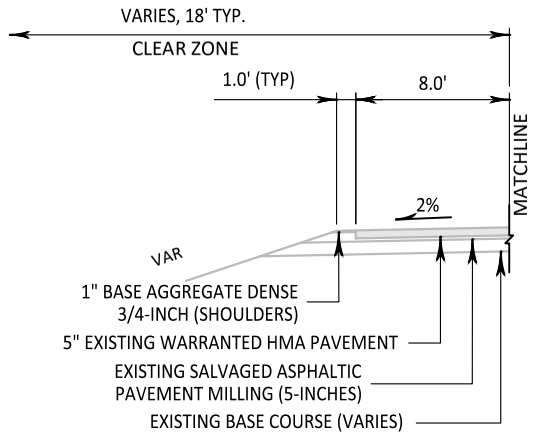


TYPICAL EXISTING SECTION

STA 605+22.00 TO 616+41.00 (RT) (1)
STA 632+74.00 TO 635+39.00 (RT) (1)

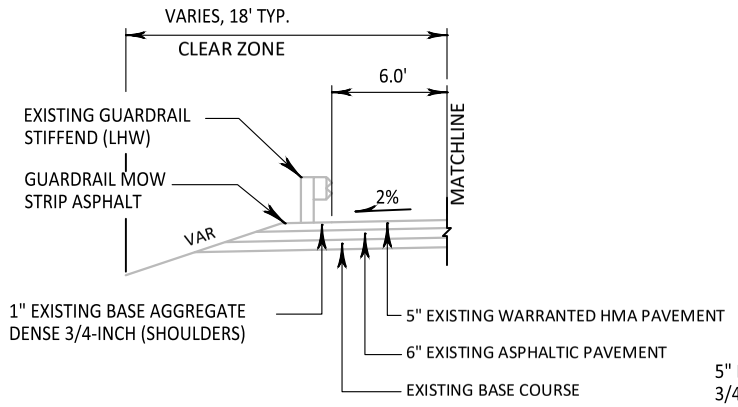
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\020301_TS.DWG PLOT DATE : 7/22/2022 8:33 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



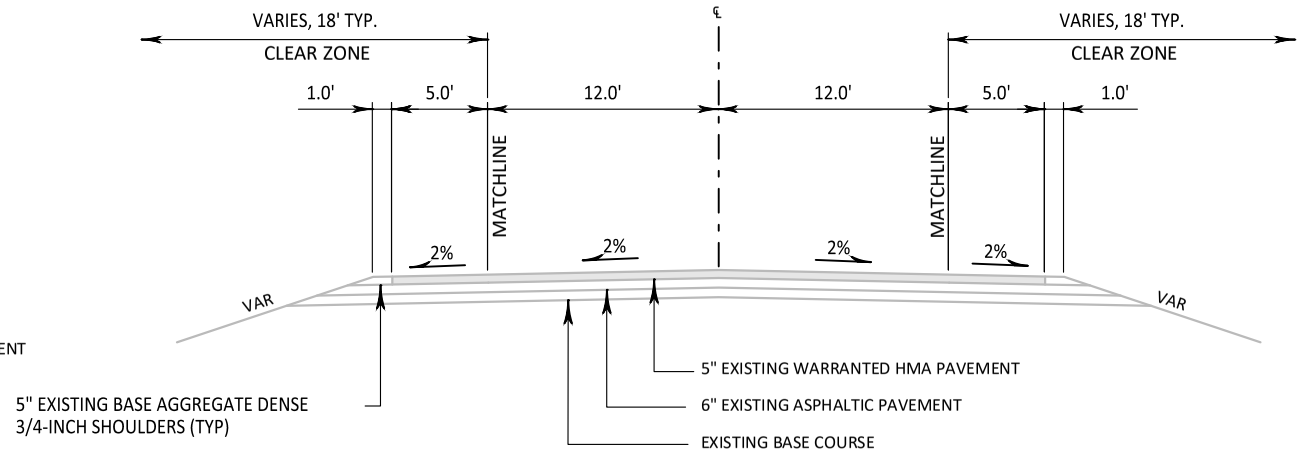
TYPICAL EXISTING SECTION

STA 806+90.00 TO STA 834+97.00 (LT)



TYPICAL EXISTING SECTION

STA 988+00.00 TO 991+05.00 (RT) (3)
STA 1043+55.00 TO 1047+42.00 (RT) (3)
STA 1091+13.00 TO 1111+38.00 (LT)
STA 1225+08.00 TO 1232+08.00 (RT) (3)
STA 1242+50.00 TO 1259+47.00 (RT) (3)
STA 1330+49.16'MLB' TO 1336+44.16'MLB' (RT) (3)
STA 1332+00.00'MLB' TO 1333+25.14'MLB' (LT)
STA 1369+85.16'MLB' TO 1375+09.16'MLB' (LT)



TYPICAL EXISTING SECTION

STA 988+00.00 TO 1075+00.00
STA 1090+00.00 TO 1196+00.00
STA 1204+00.00 TO 1270+00.00
STA 1325+32.08'MLB' TO 1336+44.16'MLB'
STA 1340+50.00'MLB' TO 1383+27.16'MLB'

NOTES:

(1) VARIES 5'-13' STA 1306+95 - STA 1312+79
STA 1325+14 - STA 1329+64

(2) CURB AND GUTTER STA 1281+39 - STA 1284+50

(3) MIRROR IMAGE.

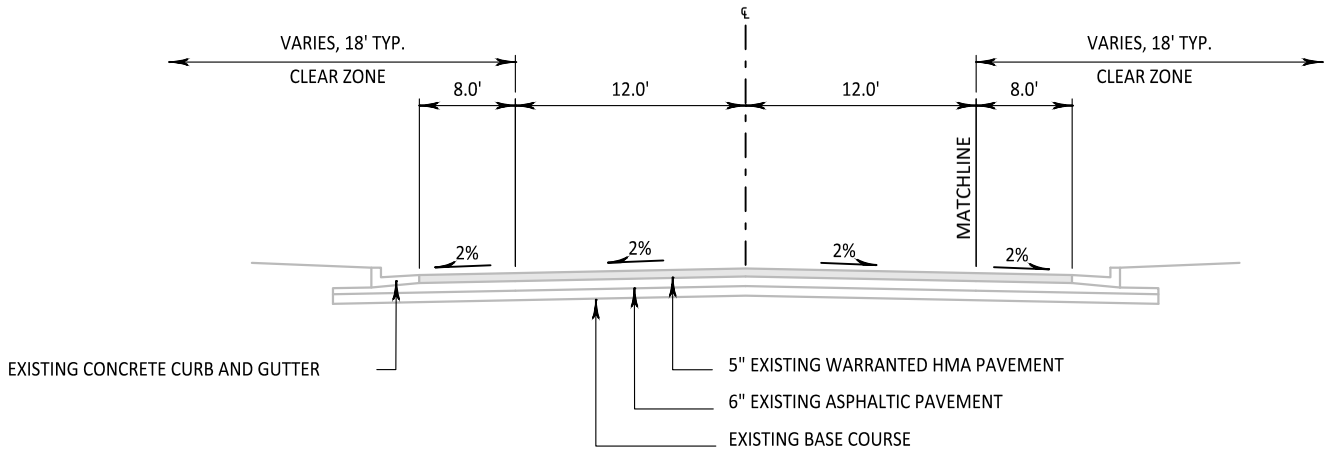
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 5	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\020301_TS.DWG PLOT DATE : 7/22/2022 8:33 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

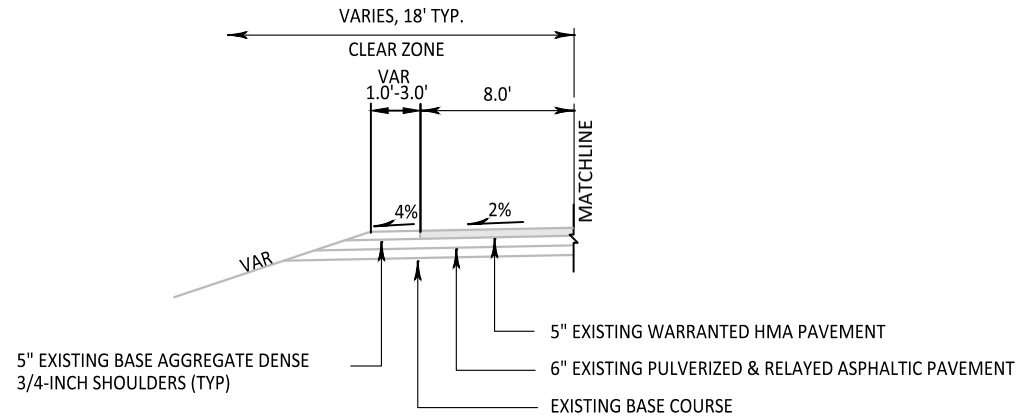
NOTES:

① VARIES 5'-12' STA 1323+69 - STA 1327+48
VARIES 5'-15' STA 1276+27 - STA 1281+39
VARIES 0'-24' STA 1297+60 - STA 1309+29



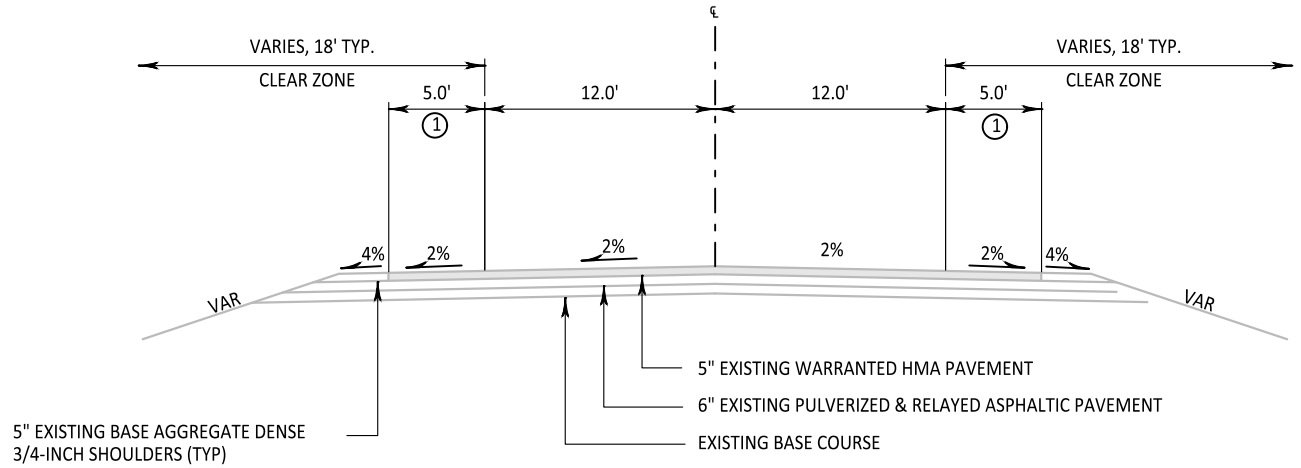
TYPICAL EXISTING SECTION

STA 1383+27.16'MLB' TO 1391+50.00'MLB



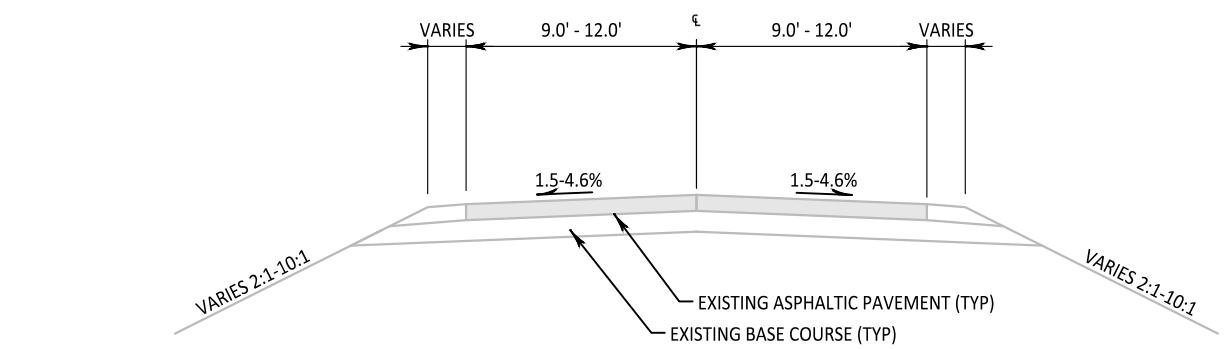
TYPICAL EXISTING SECTION

STA 1383+27.16'MLB TO 1384+31.16'MLB'
STA 1392+24.16'MLB' TO 1391+50.00'MLB



TYPICAL EXISTING SECTION

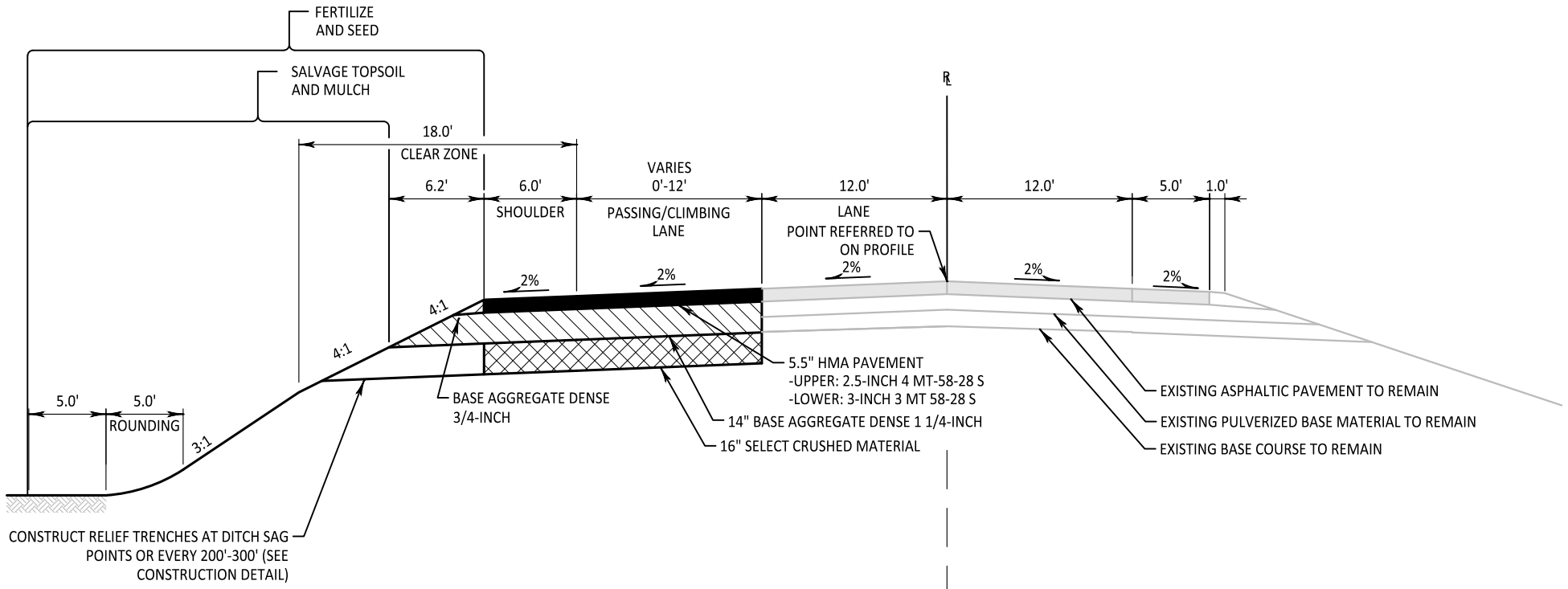
STA 1275+00.00 TO 1281+39.00 ①
STA 1297+60.00 TO 1329+64.00'MLB' ①

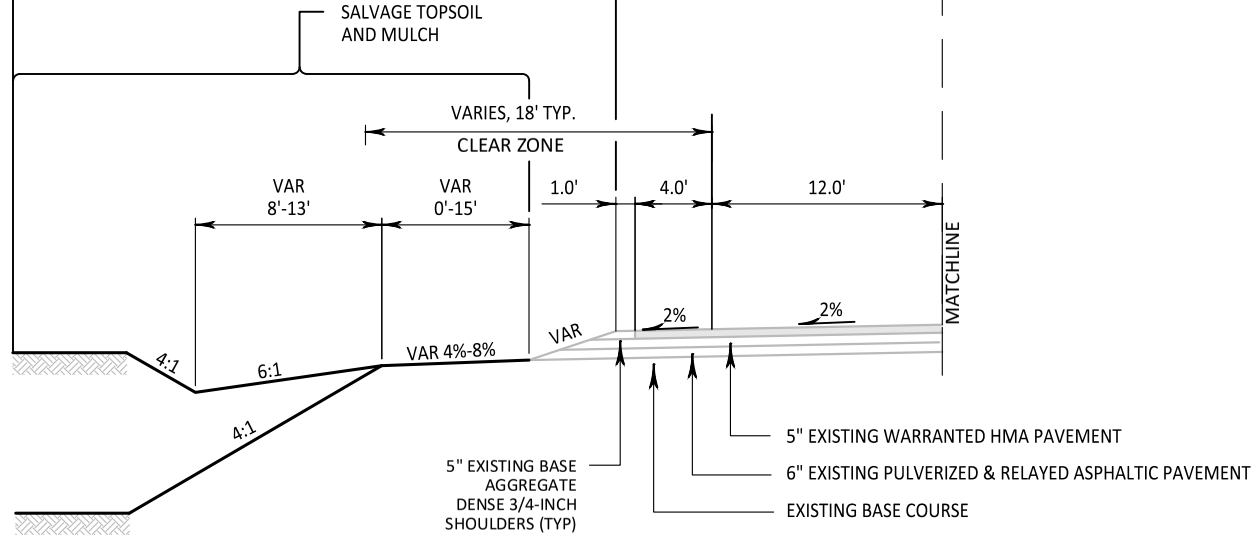


TYPICAL EXISTING SECTION - SIDE ROADS

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 6	E

2





TYPICAL FINISHED SECTION

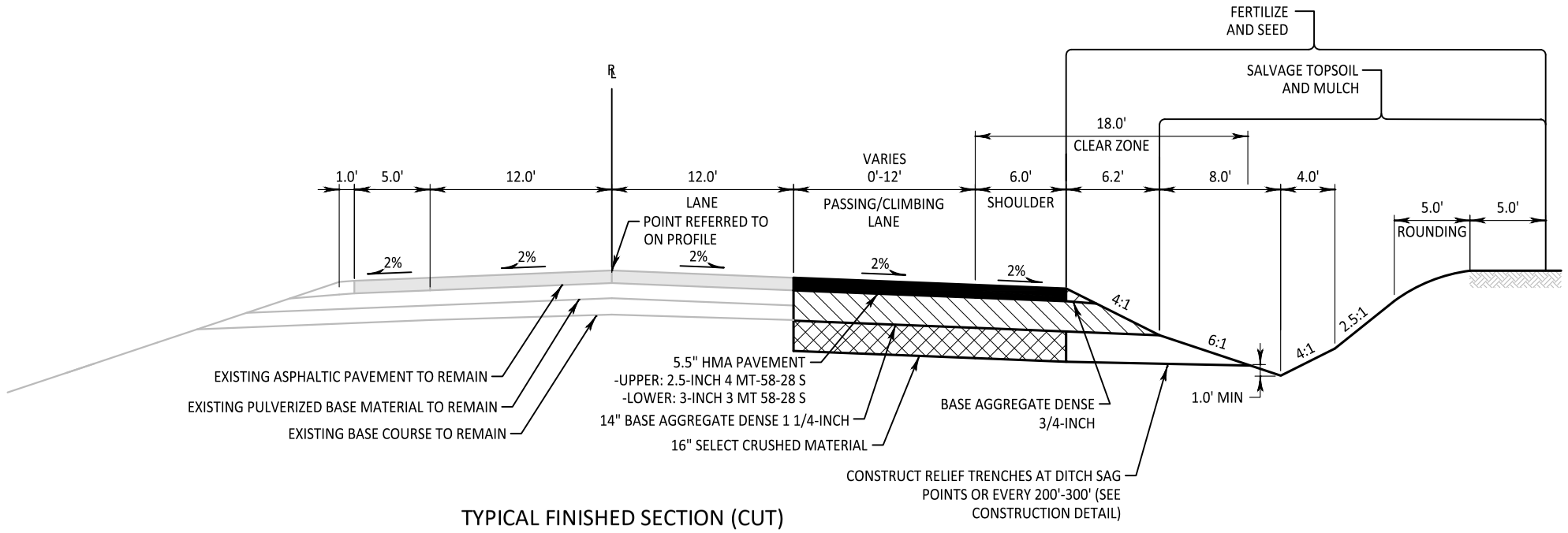
STA 1160+00 TO 1196+00 (LT)

TYPICAL FINISHED SECTION (FILL)

USH 61
SOUTH BOUND PASSING LANE

STA 562+66 TO 582+00
STA 1090+00 TO 1167+00
STA 1341+49.90'MLB' TO 1382+55.40'MLB'

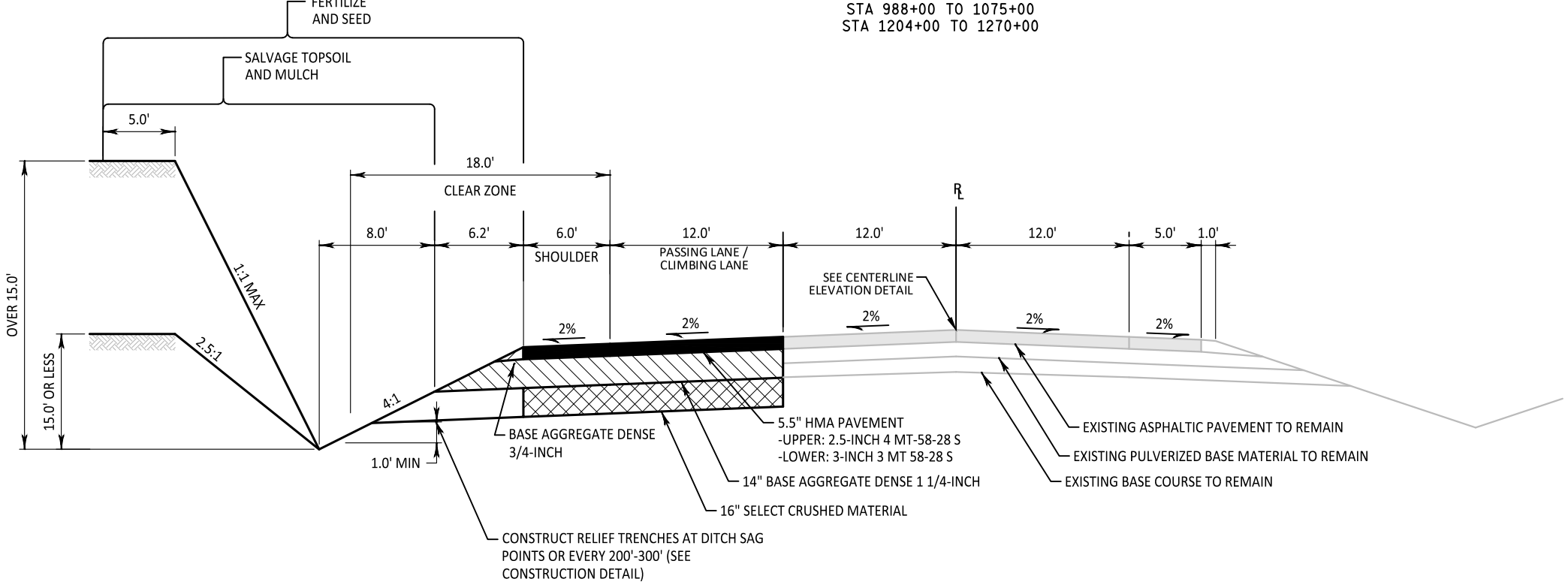
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 7	E



TYPICAL FINISHED SECTION (CUT)

USH 61
NORTH BOUND PASSING LANE

STA 603+00 TO 644+79.62
STA 736+90 TO 754+00
STA 988+00 TO 1075+00
STA 1204+00 TO 1270+00

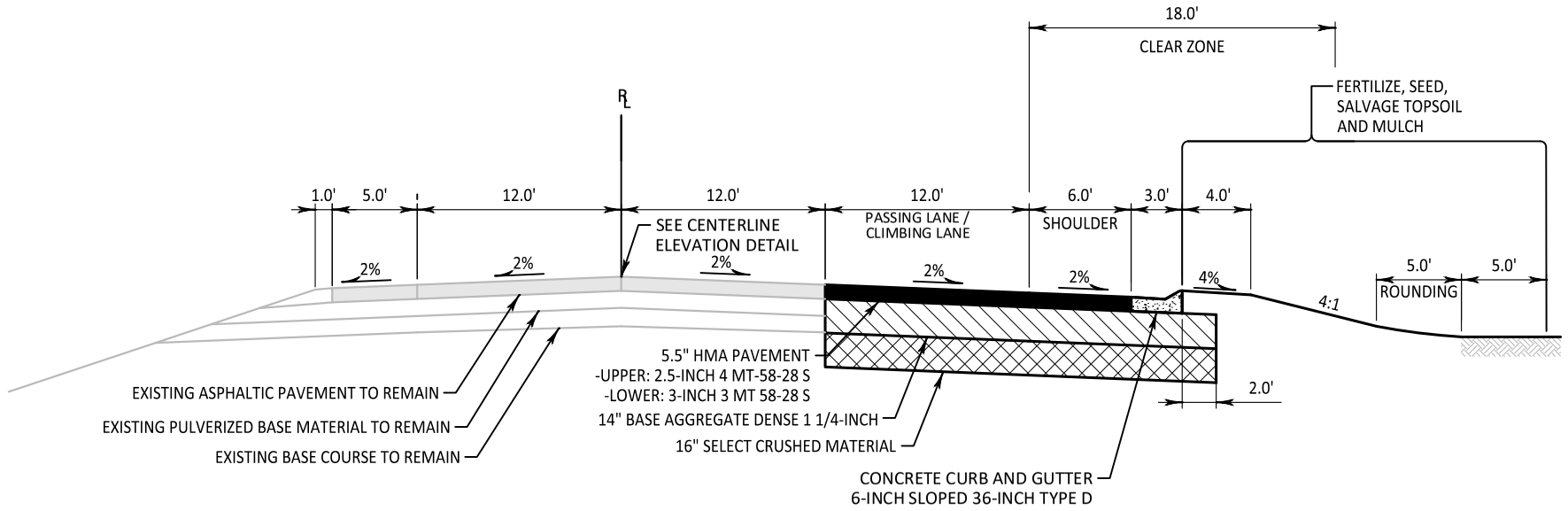


TYPICAL FINISHED SECTION - ROCK CUT

USH 61
STA 1352+00'MLB' TO 1358+00'MLB'

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 8	E

2



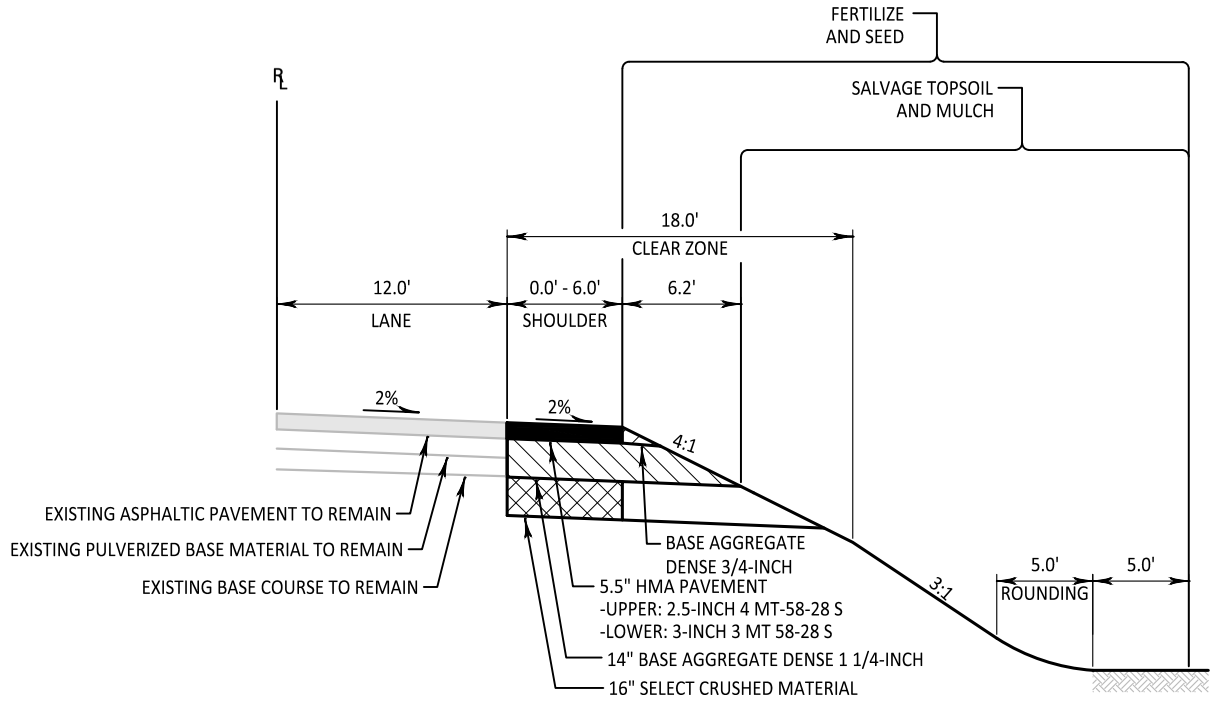
TYPICAL FINISHED SECTION, CURB & GUTTER

USH 61 NORTH BOUND

STA 619+00 TO 621+50
STA 629+50 TO 632+50
STA 1040+50 TO 1044+50
STA 1117+75 TO STA 1118+65 (1)
STA 1275+22.27 TO 1277+25

NOTES:

(1) MIRROR IMAGE.



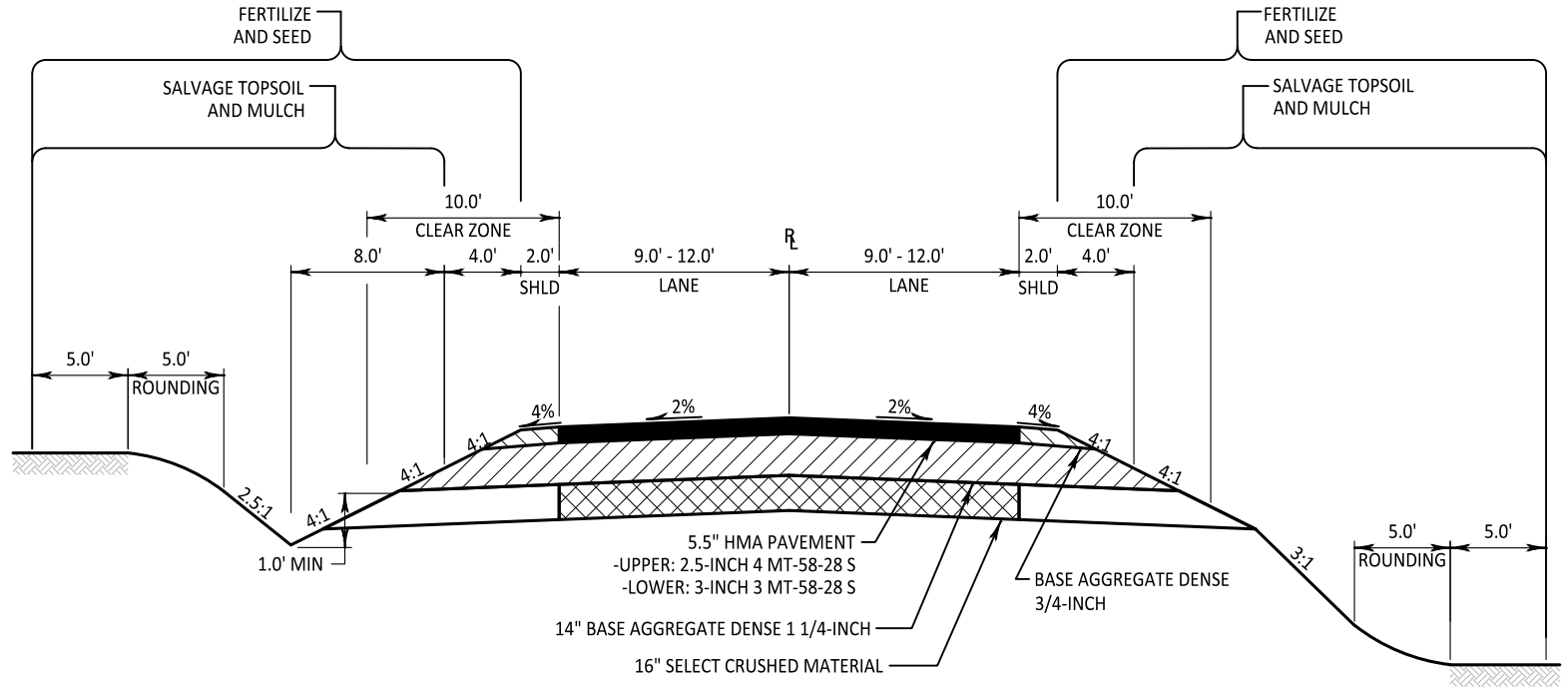
TYPICAL FINISHED SECTION

SHOULDER IN BEAM GUARD REMOVAL AREAS

STA 986+75 TO 988+00
STA 1329+59.26'MLB' TO 1335+08.29'MLB'

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 9	E

2

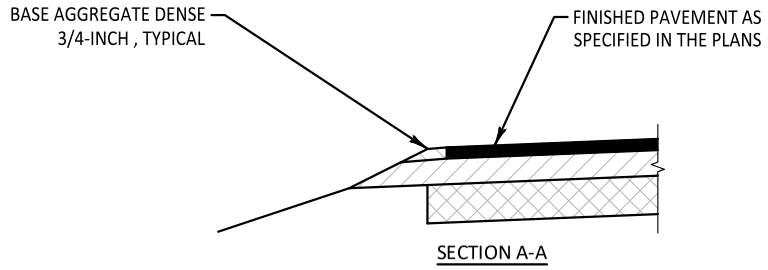


TYPICAL FINISHED SECTION - SIDE ROADS

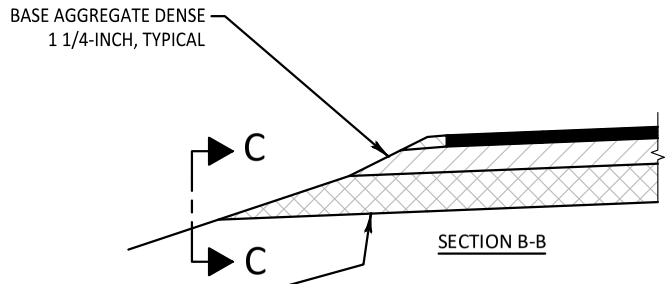
KELLY LANE
ABING LANE
LONE ELM TREE ROAD (EAST)
SUBSTATION ROAD
HUDSON HOLLOW ROAD
STAGE ROAD

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TYPICAL SECTIONS	SHEET 10	E

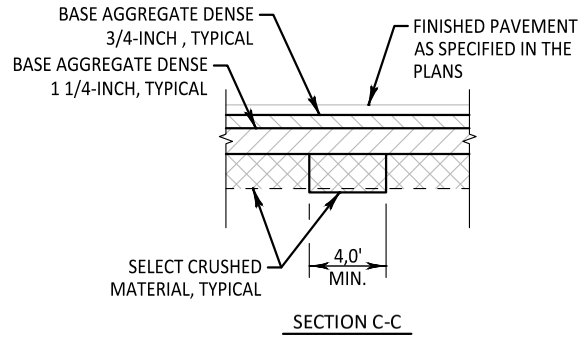
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\020301_TS.DWG PLOT DATE : 10/28/2022 9:52 AM PLOT BY : SEH LAYOUT NAME : 07 PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



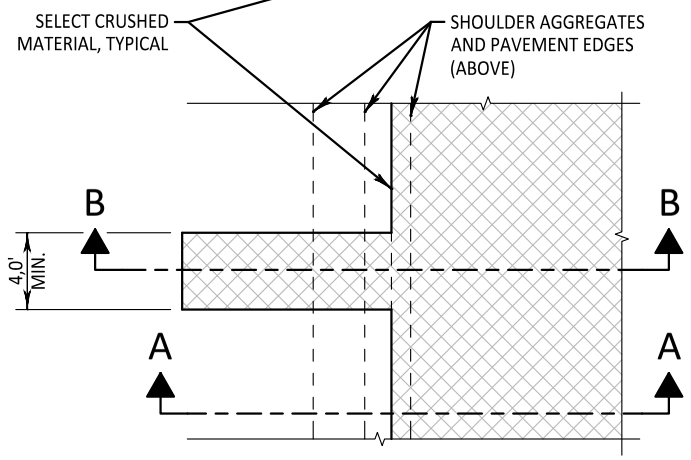
SECTION A-A



SECTION B-B



SECTION C-C



PLAN VIEW
(VIEW PLANE AT TOP OF SELECT
CRUSHED MATERIAL)

RELIEF TRENCH

NOTE:

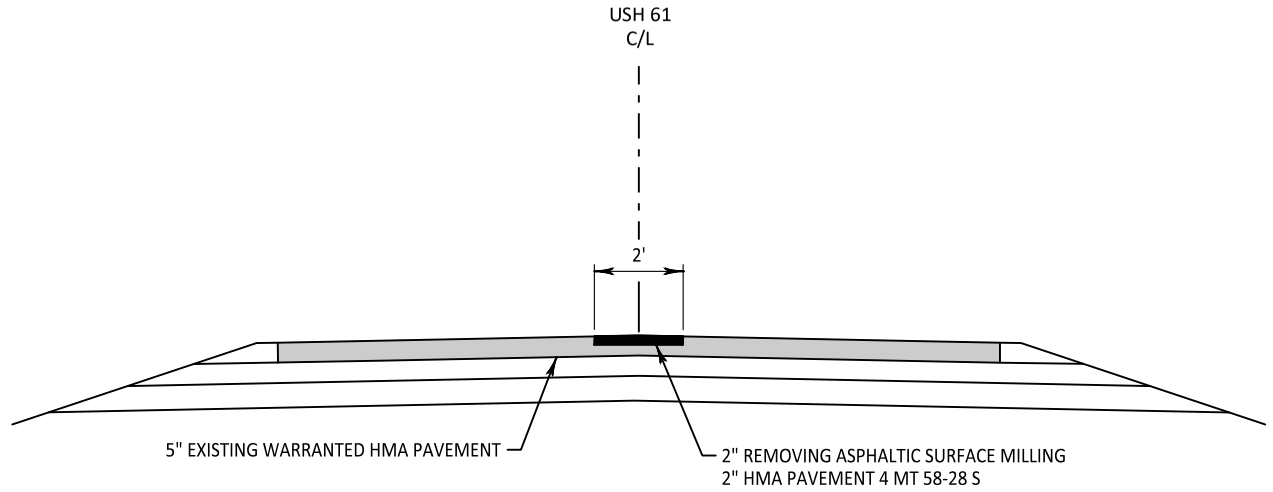
CONSTRUCT RELIEF TRENCHES AT 200'-300' INTERVALS AND AT PROFILE SAG POINTS (LEFT AND RIGHT).

FINAL LOCATIONS TO BE APPROVED OR DETERMINED BY THE ENGINEER IN THE FIELD.

MATERIALS AND LABOR FOR RELIEF TRENCH ARE INCLUDED IN THE SELECT CRUSHED MATERIAL BID ITEM.

APPROXIMATE RELIEF TRENCH LOCATIONS:

- STA 563+00, STA 566+00, STA 569+00, STA 572+00, STA 575+00, STA 578+00, STA 581+00, STA 583+50 (ALL LOCATED STA LT)
- STA 603+00, STA 606+00, STA 609+00, STA 612+00, STA 615+00, STA 618+00, STA 621+00, STA 624+00, STA 627+00, STA 630+00, STA 633+00, STA 636+00, STA 639+00, STA 642+00, STA 644+50 (ALL LOCATED STA RT)
- STA 737+00, STA 740+00, STA 743+00, STA 746+00, STA 749+00, STA 752+00, STA 754+00 (ALL LOCATED STA RT)
- STA 986+75, STA 989+75, STA 992+75, STA 995+75, STA 998+75, STA 1001+75, STA 1004+75, STA 1007+75, STA 1010+75, STA 1013+75, STA 1016+75, STA 1019+75, STA 1022+75, STA 1025+75, STA 1028+75, STA 1031+75, STA 1034+75, STA 1037+75, STA 1040+75, STA 1043+75, STA 1046+75, STA 1049+75, STA 1052+75, STA 1055+75, STA 1058+75, STA 1061+75, STA 1064+75, STA 1067+75, STA 1070+75, STA 1073+75 (ALL LOCATED STA RT)
- STA 1090+00, STA 1092+00, STA 1095+00, STA 1098+00, STA 1101+00, STA 1104+, STA 1107+00, STA 1110+00, STA 1113+00, STA 1116+00, STA 1119+00, STA 1122+00, STA 1125+00, STA 1128+00, STA 1131+00, STA 1134+00, STA 1137+00, STA 1140+00, STA 1143+00, STA 1146+00, STA 1149+00, STA 1152+00, STA 1155+00, STA 1158+00, STA 1161+00, STA 1164+00, STA 1167+00, (ALL LOCATED STA LT)
- STA 1205+50, STA 1208+50, STA 1211+50, STA 1214+50, STA 1217+50, STA 1220+50, STA 1223+50, STA 1226+50, STA 1229+50, STA 1232+50, STA 1235+50, STA 1238+50, STA 1241+50, STA 1244+50, STA 1247+50, STA 1250+50, STA 1253+50, STA 1256+50, STA 1259+50, STA 1262+50, STA 1265+50, STA 1268+50 (ALL LOCATED STA RT)
- STA 1343+00, STA 1346+00, STA 1349+00, STA 1352+00, STA 1355+00, STA 1358+00, STA 1361+00, STA 1364+00, STA 1367+00, STA 1370+00, STA 1373+00, STA 1376+00, STA 1379+00, STA 1382+00 (ALL LOCATED STA LT)



CENTERLINE RUMBLE STRIPS DETAIL - USH 61

1 - MILL 2' x 2" SECTION OF THE EXISTING USH 61 CENTERLINE.

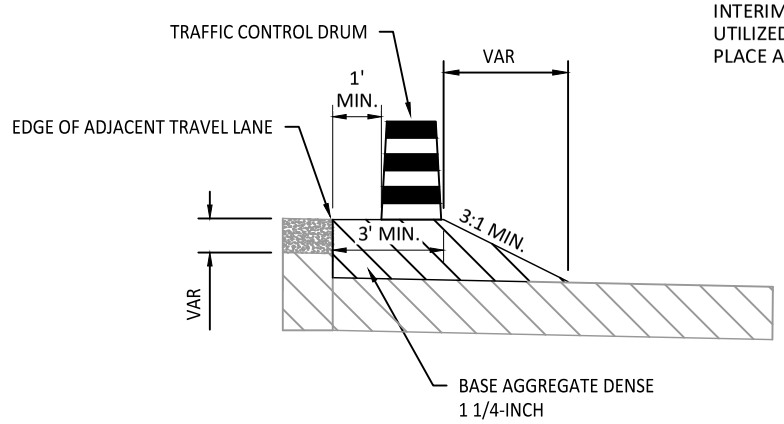
2 - APPLY TACK COAT & PAVE 2" HMA PAVEMENT 4 MT 58-28 S.

3 - APPLY TEMPORARY CENTERLINE MARKINGS, USE TEMPORARY MARKING LINE EPOXY 4-INCH

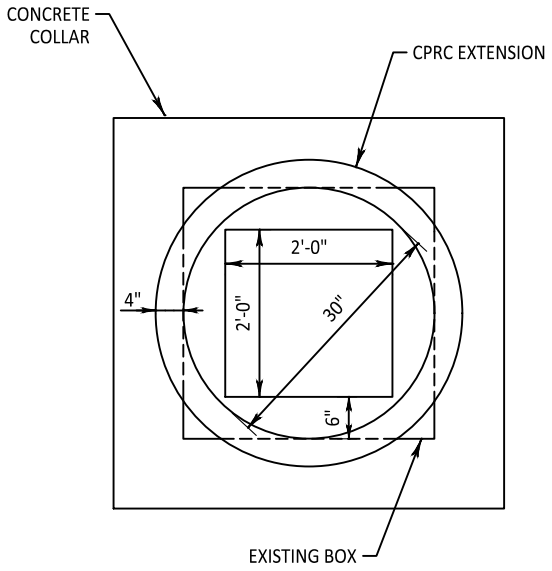
4 - INSTALL CENTERLINE RUMBLE STRIPS, SEE SDD 13A11, 2-LANE CENTERLINE RUMBLE STRIP.

5 - APPLY PERMANENT CENTERLINE PAVEMENT MARKINGS, MARKING LINE EPOXY 4-INCH.

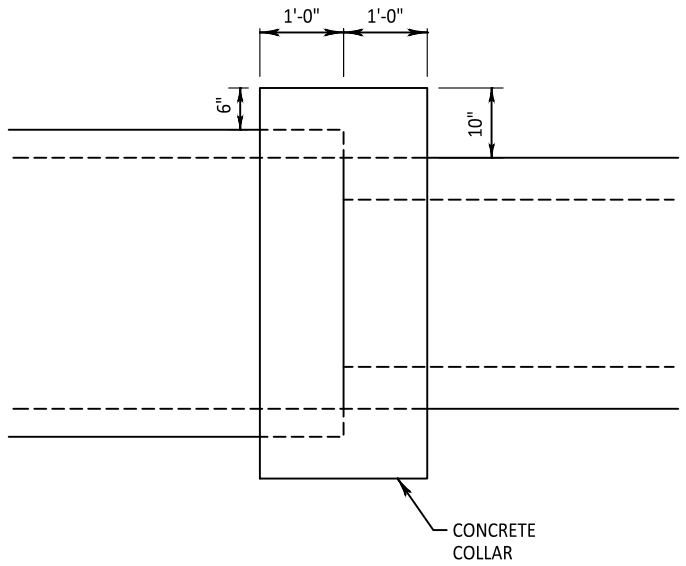
NOTE:
INTERIM TRAFFIC CONTROL CONDITION MUST BE UTILIZED WHEN FLAGGING OPERATIONS ARE NOT IN PLACE AND AT THE OF EACH WORK DAY.



INTERIM TRAFFIC CONTROL CONDITION



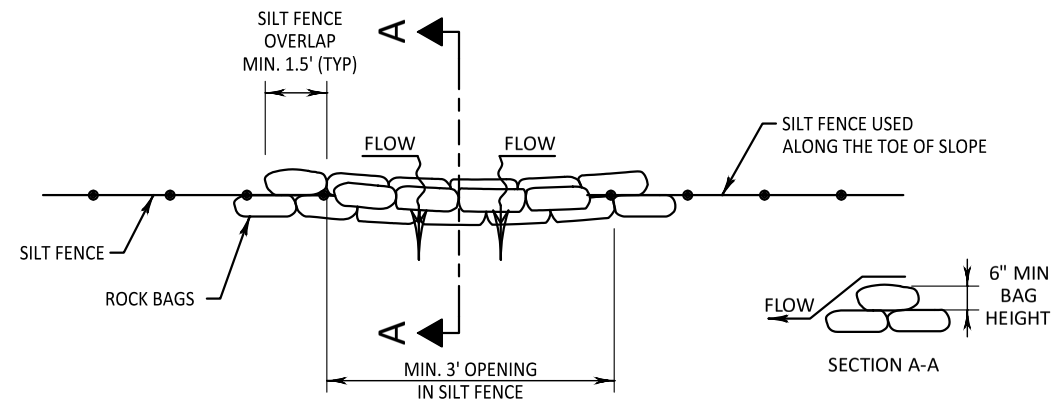
CROSS SECTION



ELEVATION

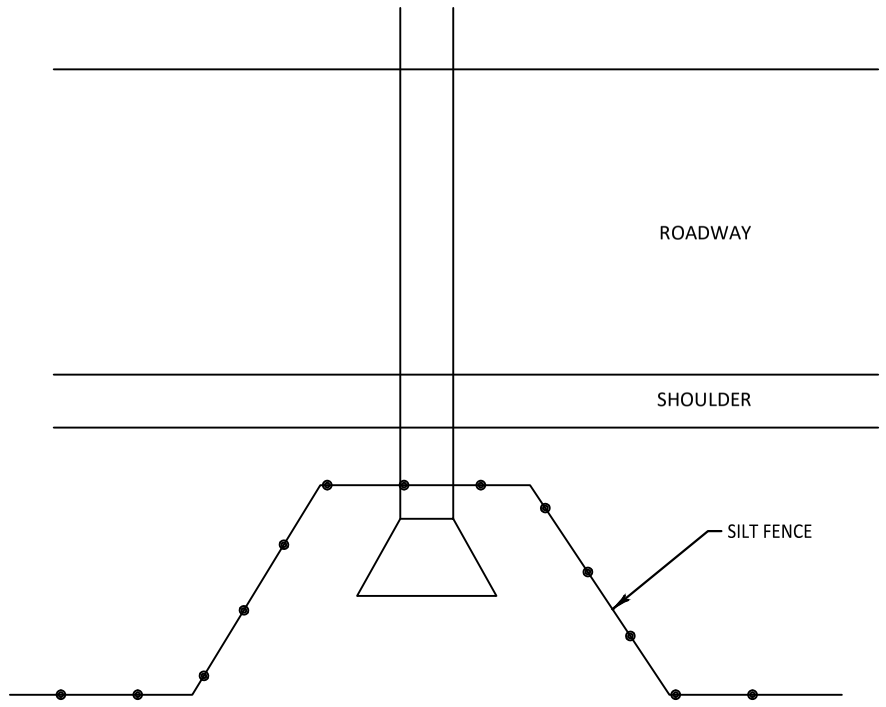
EXTEND EXISTING BOX CULVERT - CONCRETE COLLAR

STA 568+72 EXTEND EXISTING 24" X 24" BOX CULVERT WITH 30" CPRC



SILT FENCE RELIEF

PAID AS ROCK BAGS



TYPICAL SILT FENCE DETAIL AT PIPE INLET

2

STA 1374+36 MLB, LT
1-18" X 52' CULVERT PIPE CLASS III-A
2-18" AECP REQ'D

STA 1374+24.69 MLB,
-79.18' LT

BEGIN CONSTRUCTION
MATCH EXISTING
SAW CUT REQ'D

TDS (TEL & FO)

STA 1374+37.17 MLB,
-78.55' LT

C-LANCASTER
(WATER)

STA 1374+82.66 MLB,
-36.97' LT

STA 1375+11.16 MLB,
-30.00' LT

STA 1374+38.07 MLB,
-57.08' LT

BEGIN CONSTRUCTION
MATCH EXISTING

C-LANCASTER
(SANITARY)

STA 0+60.60,
-8.00' LT

STA 0+77.20,
-10.73' LT

STA 0+00,
-8.00' LT

PI STA = 0+53.55 DW
Y = 517446.932
X = 820621.426
DELTA = 27°46'56" LT
D = 95°29'35"
T = 14.84'
L = 29.09'
R = 60.00'
PC STA = 0+38.71 DW
Y = 517434.619
X = 820629.707
PT STA = 0+67.81 DW
Y = 517453.966
X = 820608.361
DB = N33°55'11"W
DA = N61°42'07"W

STA 0+00.00
Y=517402.495
X=820651.309

N33°55'11"W

16'

0+50 DW

N61°42'07"W

STA 0+90.27
Y=517464.618
X=820588.577

STA 0+00,
8.00' RT

STA 0+38.71,
8.00' RT

STA 0+59.83,
8.00' RT

STA 0+71.81,
21.99' RT

1377 'MLB'

1376 'MLB'

1375 'MLB'

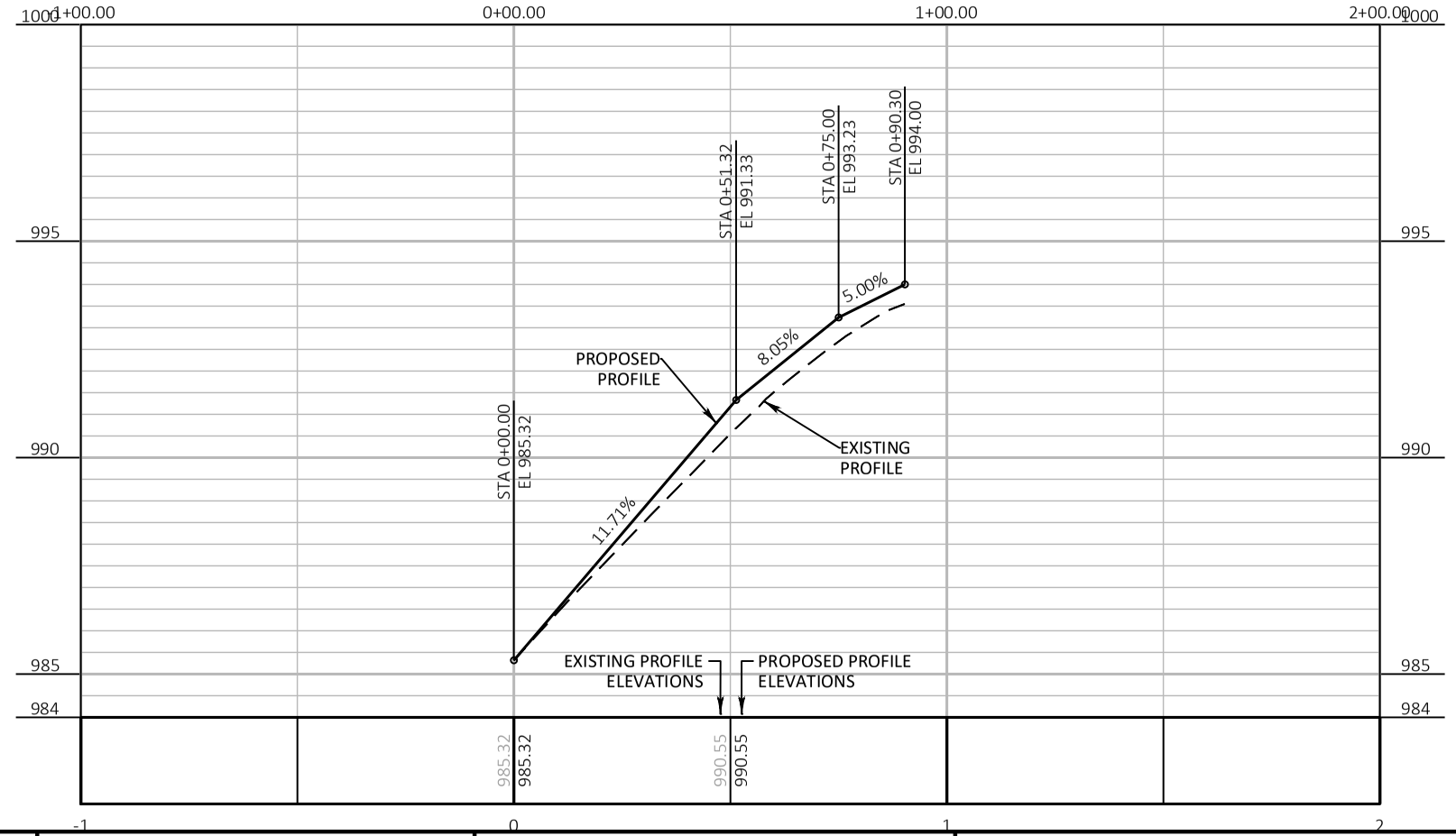
1374 'MLB'

1373 'MLB'

USH 61/STH 81

WE ENERGIES (GAS)

ALLIANT ENERGY (ELEC)



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN DETAILS: DRIVEWAY	SHEET 13	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\021201_PD(DRIVEWAY).DWG
LAYOUT NAME - 01
PLOT DATE : 7/22/2022 8:34 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

HICKORY LN
INDIAN CREEK RD
USH 61/STH 35
OAK RD
TOWN OF PARIS
VILLAGE OF DICKEYVILLE
BEGIN PROJECT 1650-06-72
STA 460+00.00
END CONSTRUCTION
STA 583+50.00
B-22-144
NO WORK
PLATTE RIVER
BEGIN CONSTRUCTION
STA 562+66.00
C-22-0229
REMOVE
BEGIN CONSTRUCTION
STA 603+00.00
FRIEDERICK LN
C-22-0212
EXTEND
KELLY LN
END CONSTRUCTION
STA 644+80.00
LONG BRANCH RD
RIVER LANE RD
TOBINS EIGHTY LN
BEGIN CONSTRUCTION
STA 736+90.00
ABING LN
USH 61/STH 35
END CONSTRUCTION
STA 754+00.00
HOG HOLLOW
SCHAEFER LN
VILLAGE OF PO
TOWN OF
BUNKER HILL
01t
01b
02t
02b
03t
N

CTH O
(EAST ST)
STH 133
(N MAIN ST)
STAGE RD
CREST VIEW DR
KEENE DR
BRITISH HOLLOW RD
BUENA VISTA LN
HOG HOLLOW LN
BUNKER HILL ST
VILLAGE OF POTOSI
TOWN OF POTOSI
SCHAEFER LN
HIPPY HOLLOW RD
ROCKVILLE RD
OLD COUNTY B
ABING RD
CTH B
LONE ELM TREE RD
END CONSTRUCTION
STA 1075+00.00
C-22-0385
EXTEND
BEGIN CONSTRUCTION
STA 986+75.00
BEGIN CONSTRUCTION
STA 1090+00.00
C-22-0146
EXTEND
03b
04t
04b
05t
05b
N

SUBSTATION RD
AIRPORT RD
W AIRPORT RD
HUDSON HOLLOW RD
BEGIN CONSTRUCTION
STA 1204+00.00
END CONSTRUCTION
STA 1196+00.00
END CONSTRUCTION
STA 1270+00.00
BEGIN PROJECT
1650-00-77
STA 1274+85'NBA'
C-22-0369
EXTEND
FOR INFORMATION ONLY
NO WORK
(SEE PROJECT 1650-00-77)
BEGIN CONSTRUCTION
PROJECT 1650-00-77
STA 1277+50'WBA'
AUPPERLE RD
STH 81
BEGIN CONSTRUCTION
STA 1329+59.26'MLB'
STA BACK = 1306+16.99'MLB'
STA AHEAD = 1304+56.96'MLB'
EQUATION
1320'MLB'
END CONSTRUCTION
PROJECT 1650-00-77
STA 1306+52'NBB'
STH 129
END CONSTRUCTION
STA 1382+55.45'MLB'
1380'MLB'
STAGE RD
MEADOW VIEW DR
USH 61/STH 35/81
1360'MLB'
1340'MLB'
TOWN OF SOUTH LANCASTER
CITY OF LANCASTER
ALONA LN
BEGIN CONSTRUCTION
STA 1341+50.00'MLB'
END CONSTRUCTION
STA 1335+08.29'MLB'
END PROJECT
1650-06-72
STA 1390+00.00'MLB'
06t
06b
07t
07b
08t
08b
09t
09b
N

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	INDEX OF SHEETS, EROSION CONTROL	PAGE 00 OF 09	SHEET 14	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 EC V3 (EC INDEX OF SHEETS).DWG PLOT DATE : 7/22/2022 9:08 PM
PLOT BY : SEH
LAYOUT NAME : 00
PLOT SCALE : 1.0 IN = 2000.0 FT
WISDOT/CADDS SHEET 42

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPH — ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

STA 568+00 LT
PROTECT EXISTING SPRING TO
ALLOW FOR LIVESTOCK ACCESS

MATCH LINE 578+00

MATCH LINE 608+50

KELEHER

KUBITZ

REUTER

NEBEL

LEIBFRIED

WHITE

ANNA SUN FAMILY TRU

JOHNS

BREHM

PLATTE RIVER

USH 61

GRANT COUNTY

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 01 OF 09	SHEET 15	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 ec v3.dwg
PLOT DATE : 7/22/2022 9:10 PM
PLOT BY : SEH
LAYOUT NAME: 01
PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPH — ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

FRIEDERICK C A REVO
TIMMERMAN
KAPPAROS
NEBEL
MATCH LINE 608+50
MATCH LINE 638+00
610
615
620
625
630
635
USH 61
ROHDE
HESS
GERBER
STANER
WHITE
ESSER

STA 614+00 - STA 633+00
USE SEEDING MIXTURE NO. 40
WITHIN THIS AREA

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

FRIEDERICK LN
KERKENBUSH
GRASS
JACOBSON
640
645
650
655
660
665
670
KELLY LN
MAJERUS

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

DAVID

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 02 OF 09	SHEET 16	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 ec v3.dwg
PLOT DATE : 7/22/2022 9:11 PM
PLOT BY : SEH
LAYOUT NAME: 02
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

B & B FARMS INC

TOBINS EIGHTY LN

USH 61

730 735 740 745 750 755 760

ASPH

HO

TOBIN

N FARM LLC

ABING LN

KLEIN

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPH — ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

KLEIN FARMS LLC

KUSTER

ABING RD

PLACKO

975 980 985 990 995 1000

USH 61

FO

CTH B

WOLFE

DEBACK REVOCABLE TRUST

MOUW FAMILY INVESTMENTS LLC

MATCH LINE 1003+25

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 03 OF 09	SHEET 17	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 ec v3.dwg
PLOT DATE : 7/22/2022 9:12 PM
PLOT BY : SEH
LAYOUT NAME: 03
PLOT SCALE : 1.0 IN = 200.0 FT

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPH — ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

N

MATCH LINE 1003+25

1005 1010 1015 USH 61 1020 1025 1030

USH 61

ASPH

MOUW FAMILY INVESTMENTS LLC

TWIG FARM LLC

CRAY

TWIG FARM LLC

MATCH LINE 1033+80

5

5

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

ROESCH

ROESCH

TWIG FARM LLC

N

LONE ELM TREE RD (WEST)

MATCH LINE 1033+80

1035 1040 1045 USH 61 1050 USH 61 1055 1060

ASPH

SEPTIC

TANKS

FEEDER

FEEDER

LONE ELM TREE RD (EAST)

TWIG FARM LLC

TWIG FARM LLC

MATCH LINE 1064+00

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 04 OF 09	SHEET 18	E

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

N

TWIG FARM LLC

ENG-REUTER

TWIG FARM LLC

TWIG FARM LLC

TWIG FARM LLC

STA 1093+00 - STA 1095+00
USE SEEDING MIXTURE NO. 40
WITHIN THIS AREA

MATCH LINE 1064+00

1065 1070 1075 USH 61 1080 1085 1090

MATCH LINE 1094+40

CEMETERY

ROESCH

TWIG FARM LLC

FREAR

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

N

TWIG FARM LLC

STA 1102+85 - STA 1105+98
USE SEEDING MIXTURE NO. 40
WITHIN THIS AREA

ROESCH

SUBSTATION RD (WEST)

STA 1117+19 - STA 1119+29, LT
USE SEEDING MIXTURE NO. 40
WITHIN THIS AREA

EAGLE CREEK MIDWEST

CLARK

DEGENHARDT

MATCH LINE 1094+40

1095 1100 1105 1110 1115 1120 11

USH 61 USH 61

MATCH LINE 1125+00

R E A - DAIRYLAND P

ROESCH

ROESCH

SUBSTATION RD (EAST)

EAGLE CREEK MIDWEST

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 05 OF 09	SHEET 19	E

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

N

EAGLE CREEK MIDWEST

VESPERMAN

EAGLE CREEK MIDWEST

STA 1129+74- STA 1132+35
USE SEEDING MIXTURE NO. 40
WITHIN THIS AREA

EAGLE CREEK MIDWEST

MATCH LINE 1125+00

1125 1130 1135 1140 1145 1150 1155

USH 61

MATCH LINE 1155+25

WIEST-A-VISTA DAIRY

AIRPORT RD

VESPERMAN DORIS FAM

LOUDSPEAKER COMPONENTS LEASING LLC

LANCASTER CITY

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPH — ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

5

5

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

N

EAGLE CREEK MIDWEST

EAGLE CREEK MIDWEST

MATCH LINE 1155+25

1160 1165 1170 1175 1180 1185

USH 61

MATCH LINE 1185+60

W AIRPORT RD

REYNOLDS

REYNOLDS

LANCASTER CITY

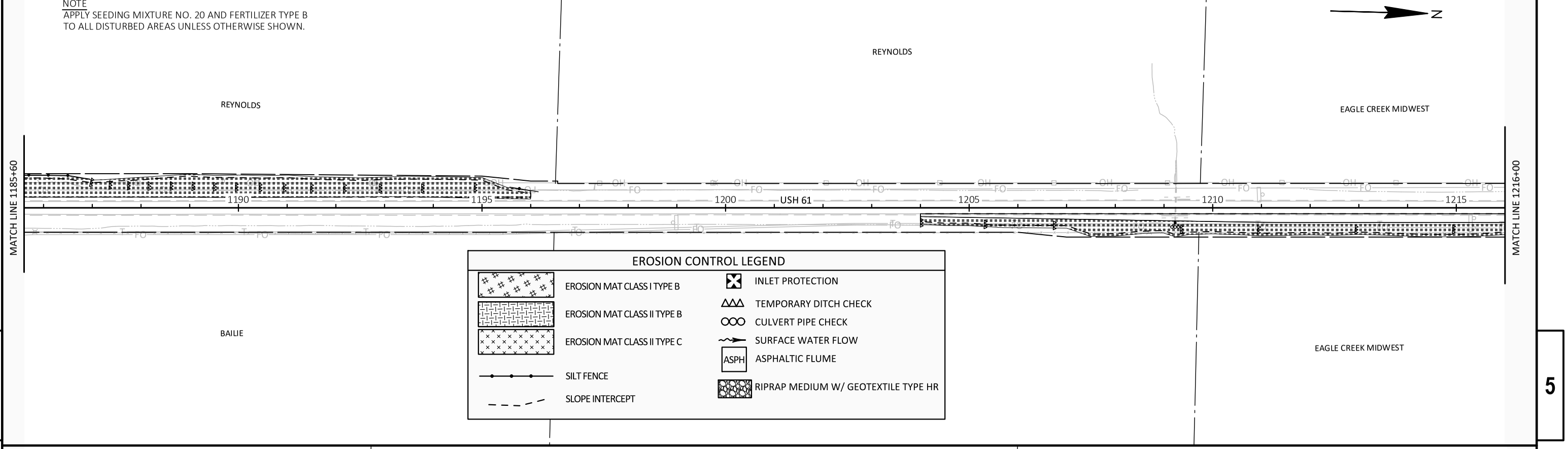
BAILIE

LANCASTER CITY

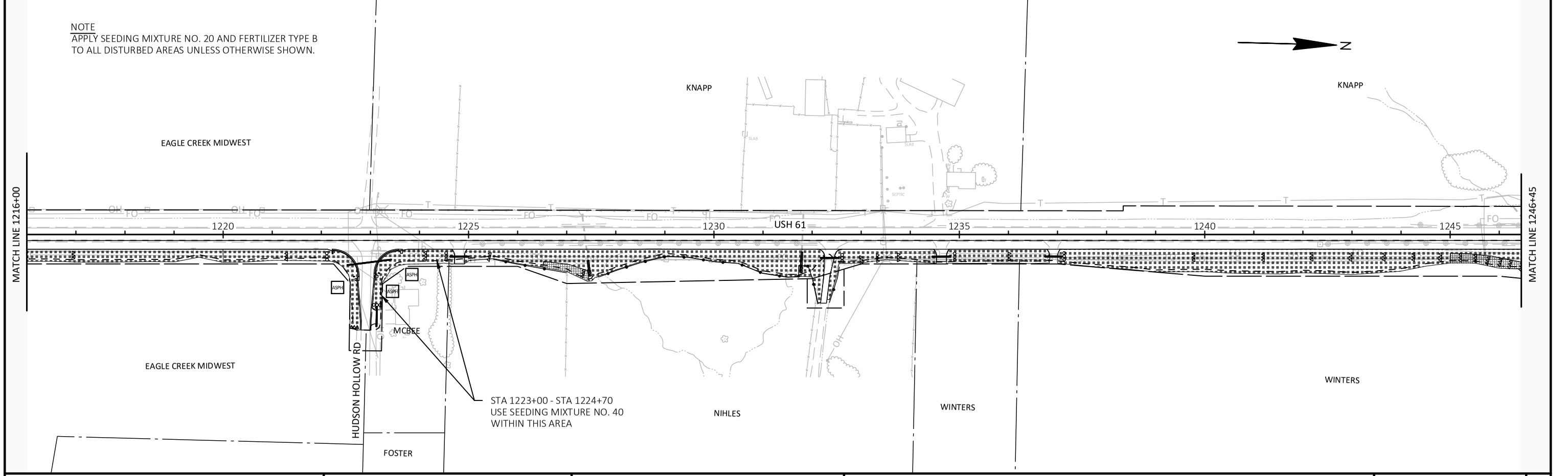
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 06 OF 09	SHEET 20	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 ec v3.dwg
PLOT DATE : 10/27/2022 2:37 PM
PLOT BY : SEH
LAYOUT NAME: 06
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.



NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 07 OF 09	SHEET 21	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 ec v3.dwg
PLOT DATE : 10/27/2022 12:08 PM
PLOT BY : SEH
LAYOUT NAME: 07
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

EROSION CONTROL LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- EROSION MAT CLASS II TYPE C
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW
- ASPH — ASPHALTIC FLUME
- RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

N

MATCH LINE 1246+45

LANDT

VESPERMAN

PETERSON

AUPPERLE RD

HAYES

HAYES

1250 1255 1260 USH 61 1265 1270 1275

FOR INFORMATION ONLY,
NO WORK, SEE PROJECT
1650-00-77

5

5

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

GRANT COUNTY FARM

N

MATCH LINE 1333+00'MLB'

1305'MLB'

1305'MLB'

1310'MLB'

1315'MLB'

1320'MLB'

1325'MLB'

1330'MLB'

USH 61/STH 81

STA BACK = 1306+16.99'MLB'

STA AHEAD = 1304+56.96'MLB'

GRANT COUNTY FARM

GRANT COUNTY FARM

STH 129

FOR INFORMATION ONLY,
NO WORK, SEE PROJECT
1650-00-77

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 08 OF 09	SHEET 22	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\022500 ec v3.dwg
PLOT DATE : 7/22/2022 9:15 PM
PLOT BY : SEH
LAYOUT NAME: 08
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

STA 1344+00 MLB - STA 1348+00 MLB
USE SEEDING MIXTURE NO. 40 WITHIN
THIS AREA

GRANT COUNTY FARM

MORROW

ADDISON

MERGEN

ADDISON

IHM

OYEN

N

MATCH LINE 1333+00'MLB'

1335'MLB'

1340'MLB'

1345'MLB'

1350'MLB'

1355'MLB'

1360'MLB'

USH 61/STH 81

MATCH LINE 1362+40'MLB'

WEPKING FARMS PARTN

WEPKING FARMS PARTN

EROSION CONTROL LEGEND

EROSION MAT CLASS I TYPE B	INLET PROTECTION
EROSION MAT CLASS II TYPE B	TEMPORARY DITCH CHECK
EROSION MAT CLASS II TYPE C	CULVERT PIPE CHECK
	SURFACE WATER FLOW
SILT FENCE	ASPHALTIC FLUME
SLOPE INTERCEPT	RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

5

5

NOTE
APPLY SEEDING MIXTURE NO. 20 AND FERTILIZER TYPE B
TO ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN.

STA 1374+40 MLB - STA 1376+76 MLB
USE SEEDING MIXTURE NO. 40 WITHIN
THIS AREA

KIPPER

SCHAFFER

WALL

KIRSCH

BENDORF

RAISBECK

MATCH LINE 1362+40'MLB'

1365'MLB'

1370'MLB'

1375'MLB'

1380'MLB'

1385'MLB'

1390'MLB'

USH 61/STH 81

WEPKING FARMS PARTN

MCCAULEY

JOHNSON

REUTER

BUSS

LANCASTER CITY

LANCASTER PARKS & STORAGE,

MEADOWVIEW DR

MOURS

NILKANTH INC

NILKANTH LLC

SMITH

BUSSAN

FARMER

WEPKING FARMS PARTN

STA 1365+00 MLB - STA 1374+20 MLB
& STA 1376+76 MLB - STA 1382+57 MLB
USE SEEDING MIXTURE NO. 70 OR NO. 75
WITHIN THIS AREA

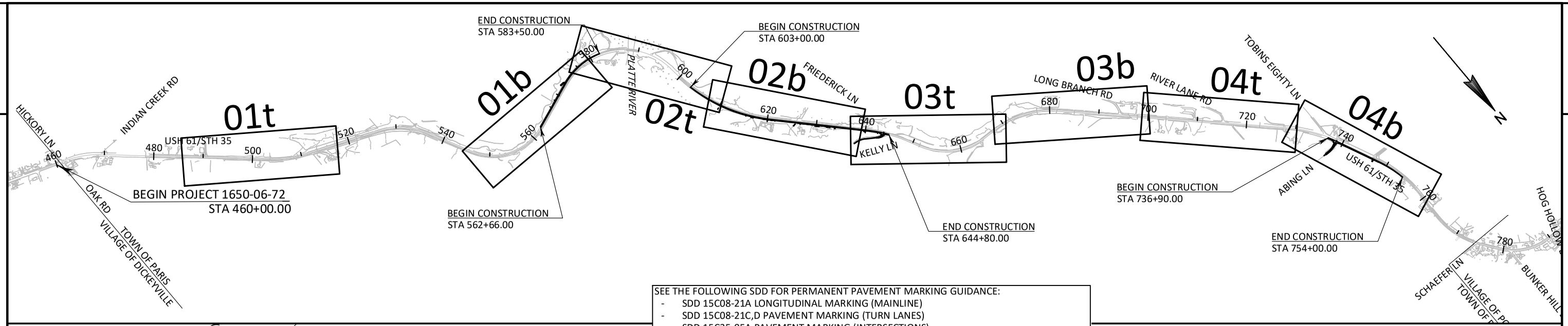
NOTES:

BLANCHARD'S CRICKET FROG
- WETLAND AREAS NEAR STA 1365+00 LT TO STA 1373+00 LT
- SITE MOWING AND SEED MIXTURE NO. 75 REQ'D
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

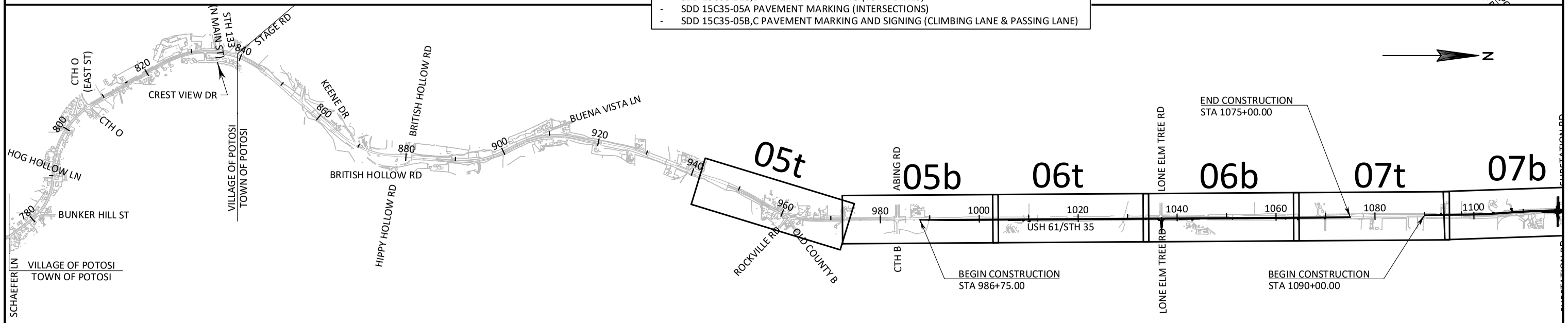
RUSTY PATCHED BUMBLE BEE
- NEAR STA 1367+60 LT TO STA 1383+00 LT
- SITE MOWING REQ'D
- SEED MIXTURE NO. 75 WITHIN 75 FEET OF WETLANDS, SEED MIXTURE NO. 70 ELSEWHERE
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION

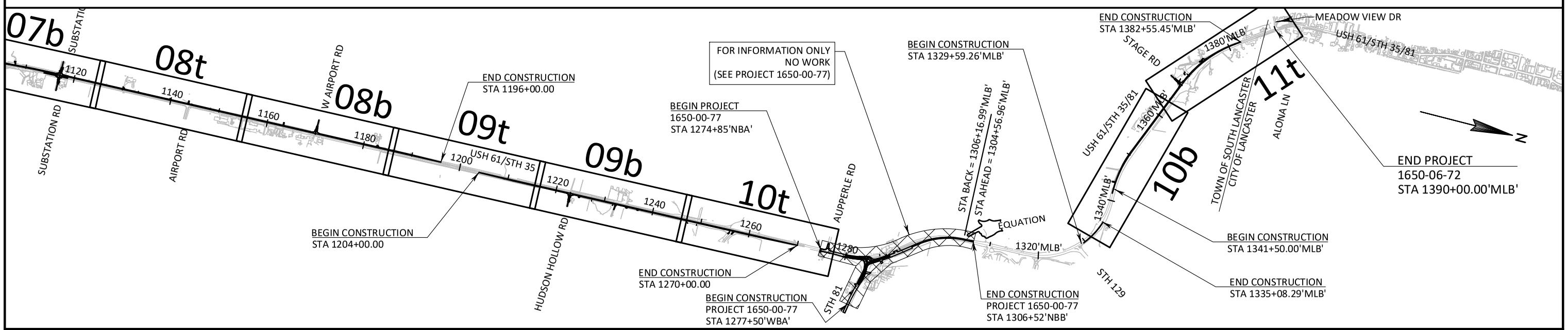
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	EROSION CONTROL	PAGE 09 OF 09	SHEET 23	E

2



SEE THE FOLLOWING SDD FOR PERMANENT PAVEMENT MARKING GUIDANCE:
- SDD 15C08-21A LONGITUDINAL MARKING (MAINLINE)
- SDD 15C08-21C,D PAVEMENT MARKING (TURN LANES)
- SDD 15C35-05A PAVEMENT MARKING (INTERSECTIONS)
- SDD 15C35-05B,C PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)





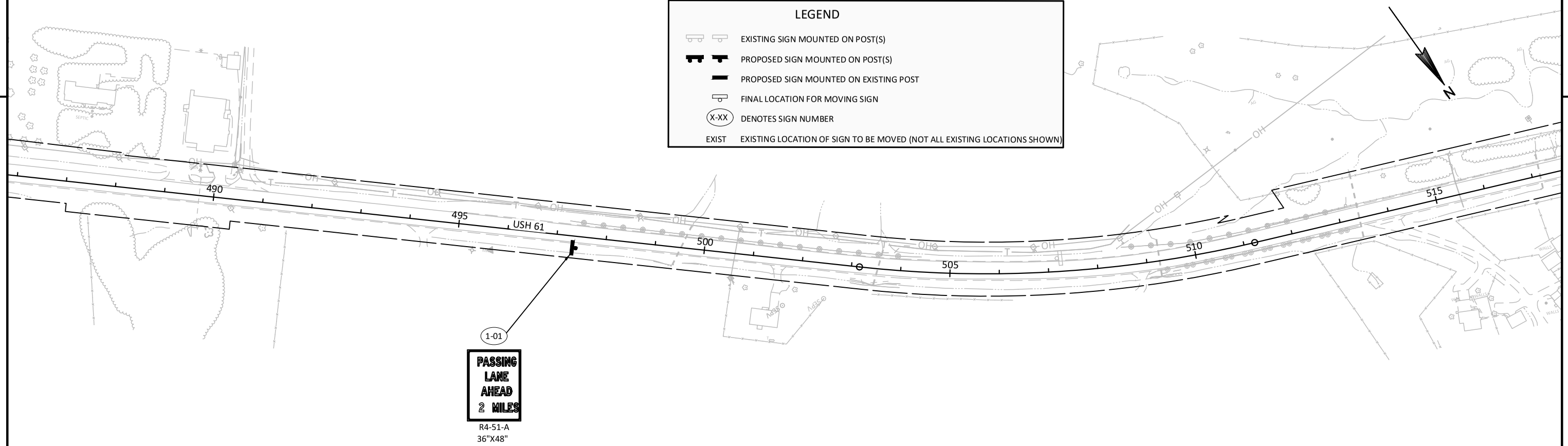
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	INDEX OF SHEETS, PERMANENT SIGNING	PAGE 00 OF 11	SHEET 24	E

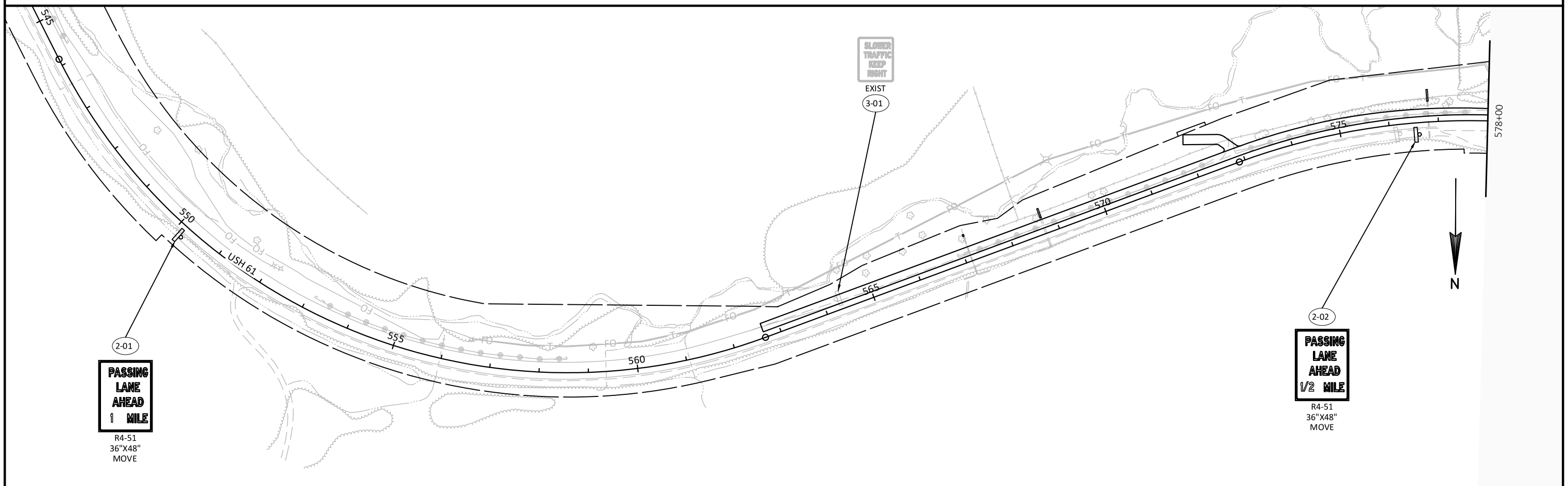
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023200_PS V3 (PERM SIGN INDEX SHEET).DWG PLOT DATE : 7/22/2022 9:17 PM
PLOT BY : SEH
LAYOUT NAME : 00
PLOT SCALE : 1.0 IN = 2000.0 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON EXISTING POST
- FINAL LOCATION FOR MOVING SIGN
- X-XX — DENOTES SIGN NUMBER
- EXIST — EXISTING LOCATION OF SIGN TO BE MOVED (NOT ALL EXISTING LOCATIONS SHOWN)

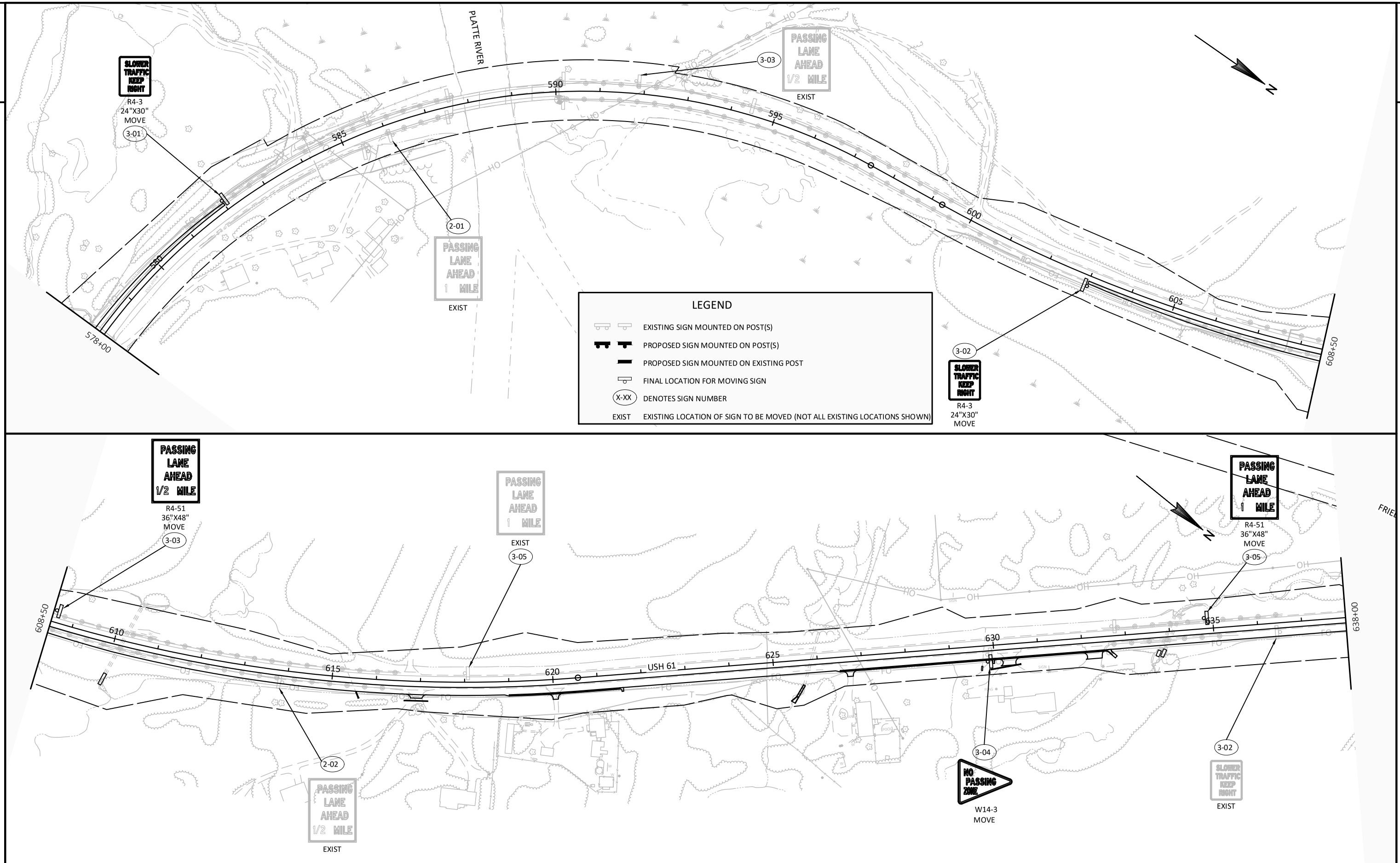




PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 01 OF 11	SHEET 25	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG PLOT DATE : 7/22/2022 9:18 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

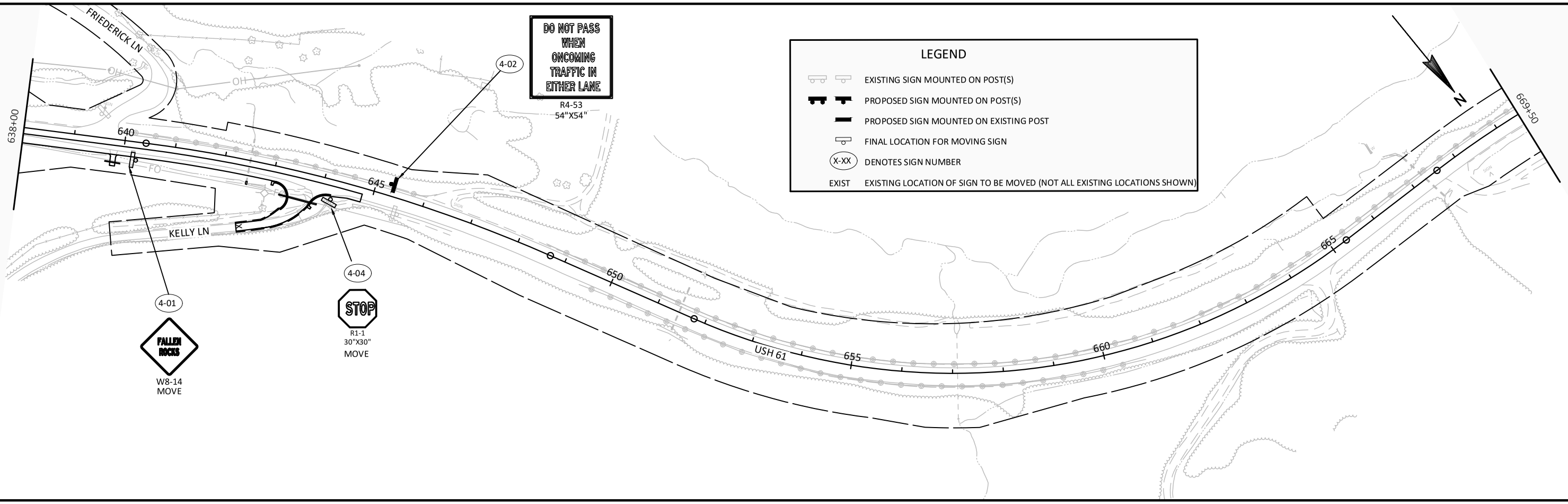
2

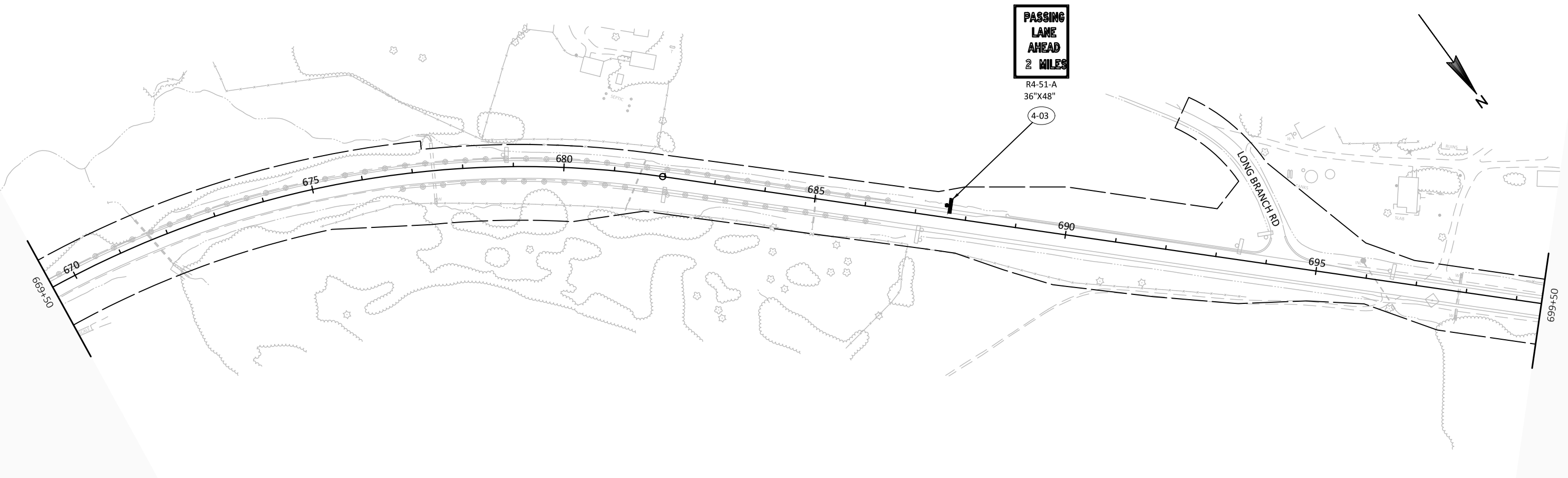


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 02 OF 11	SHEET 26	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG PLOT DATE : 7/22/2022 9:19 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

2

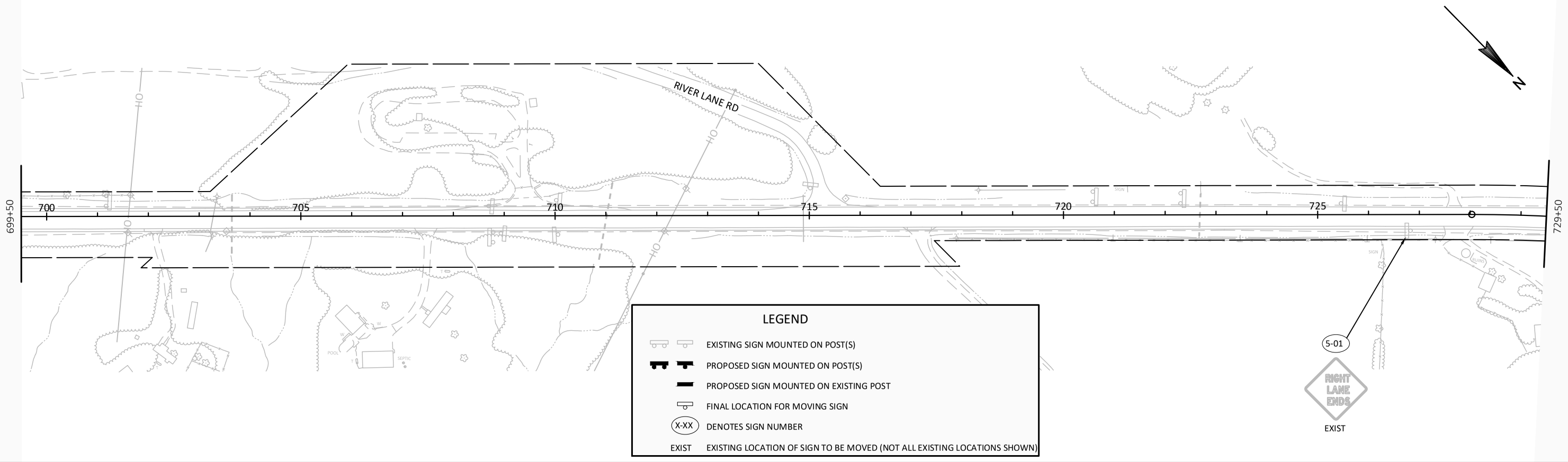


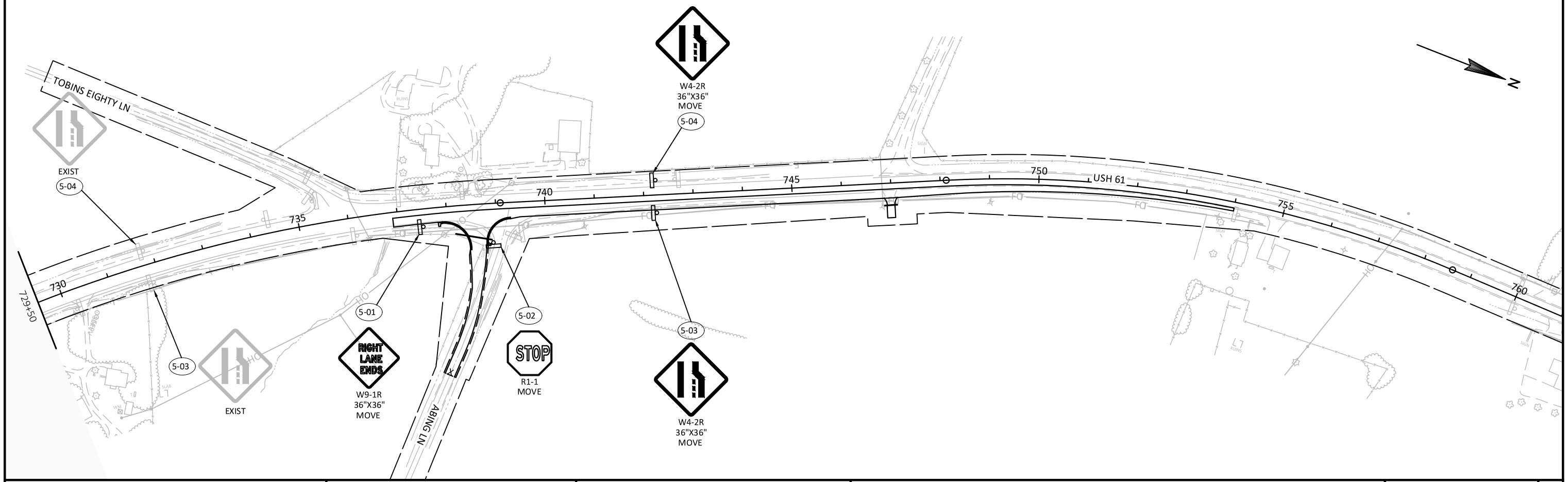


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 03 OF 11	SHEET 27	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG
PLOT DATE : 7/22/2022 9:20 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

2

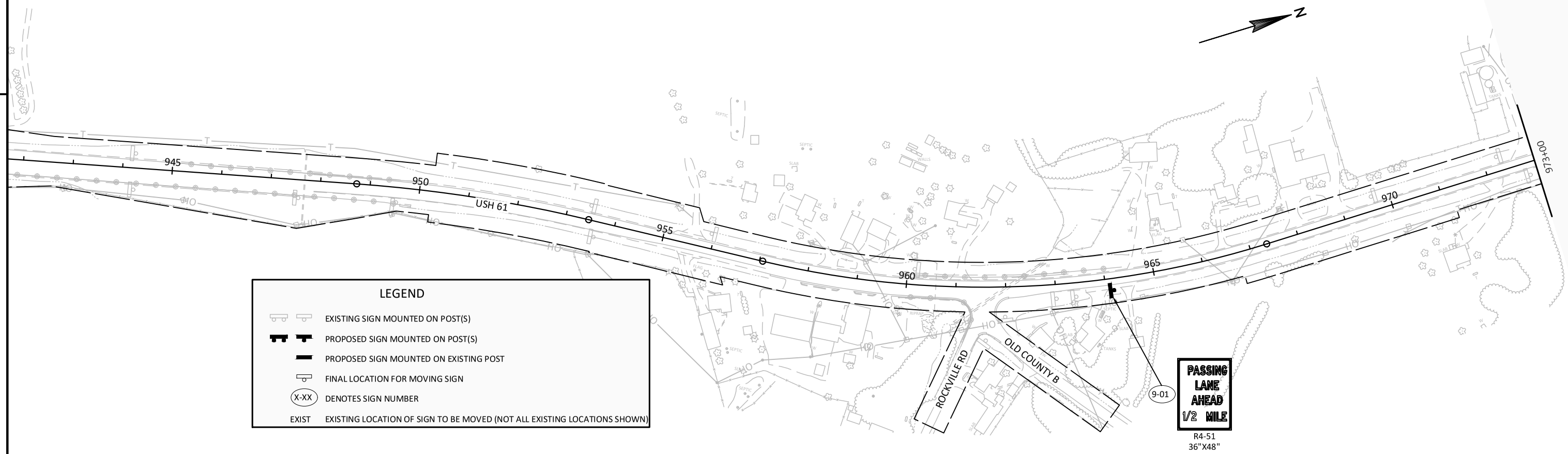


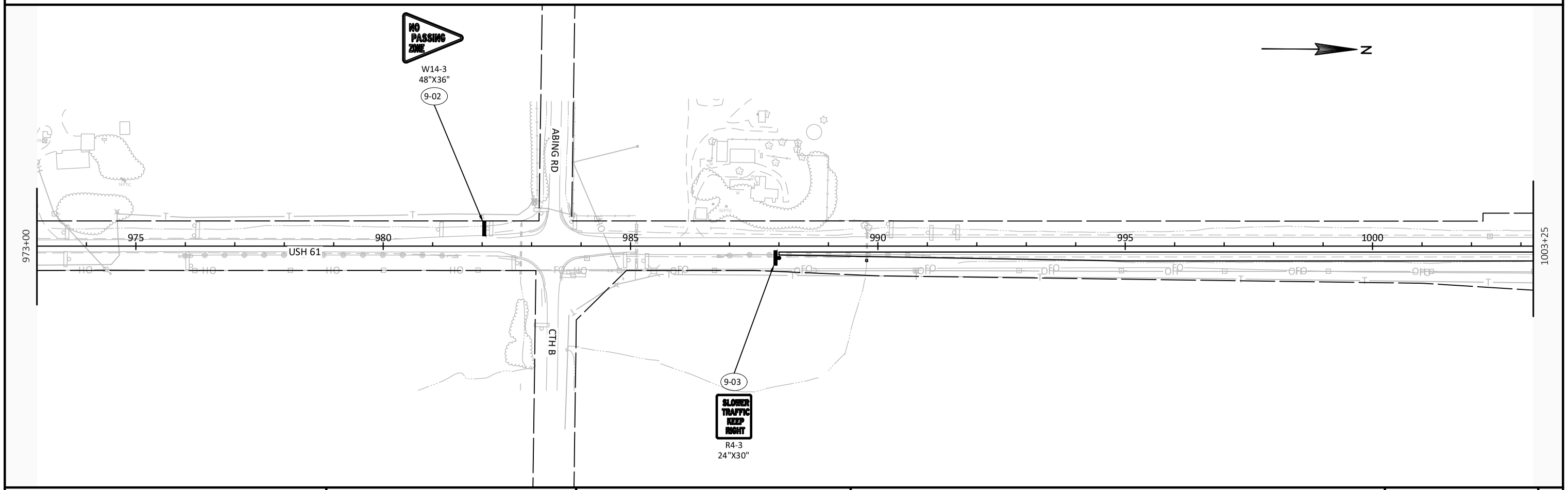


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 04 OF 11	SHEET 28	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG PLOT DATE : 7/22/2022 9:20 PM PLOT BY : SEH LAYOUT NAME : 04 PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

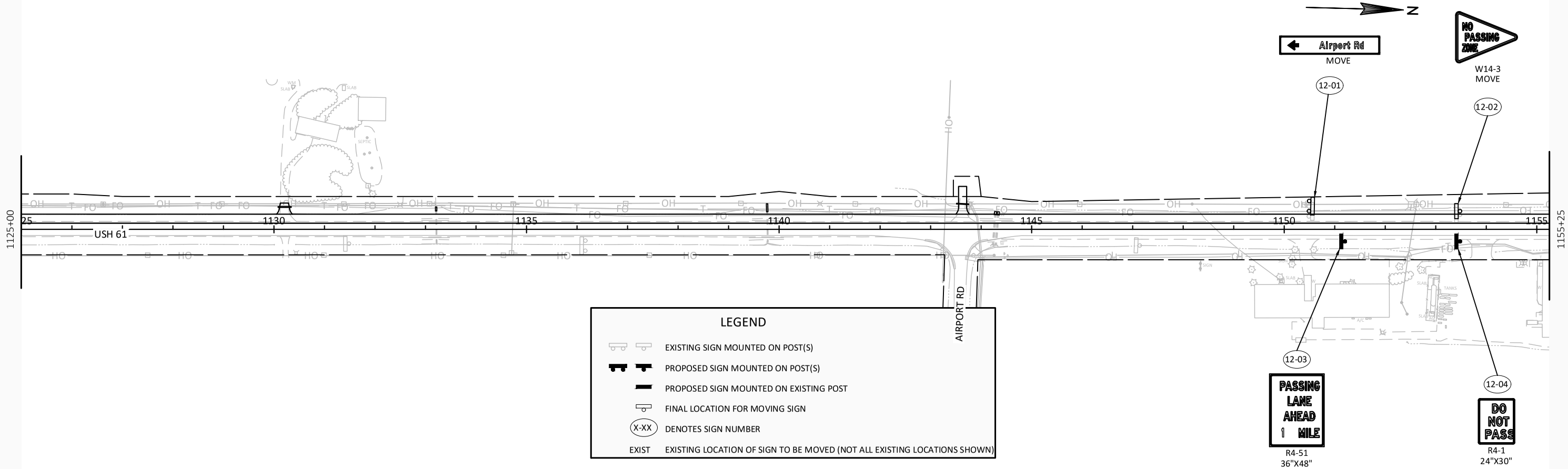
2

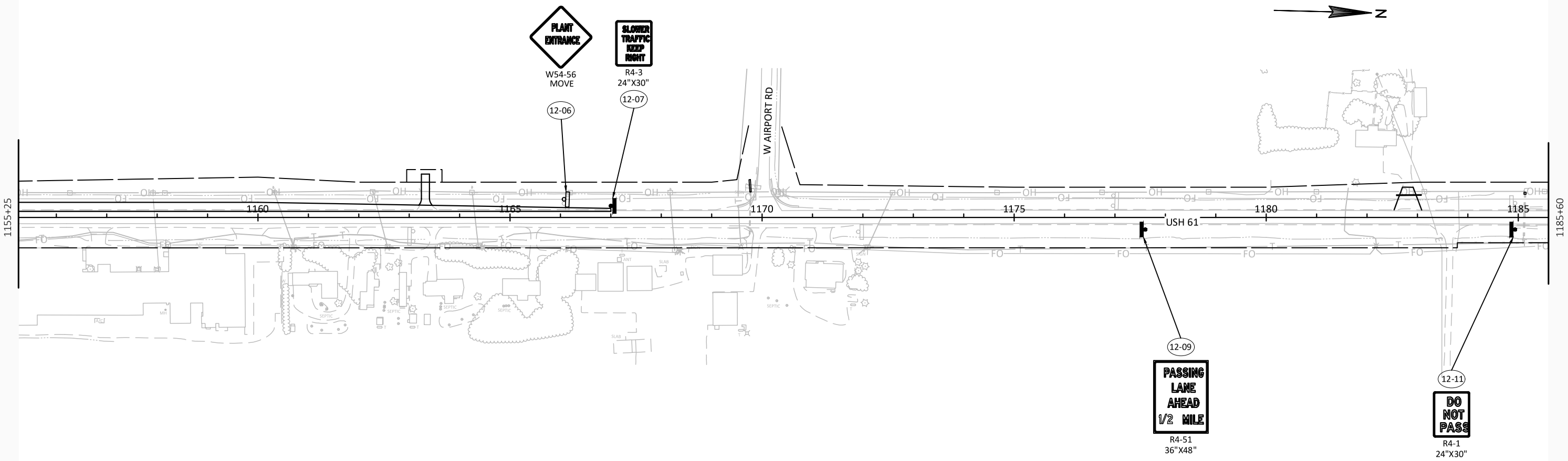




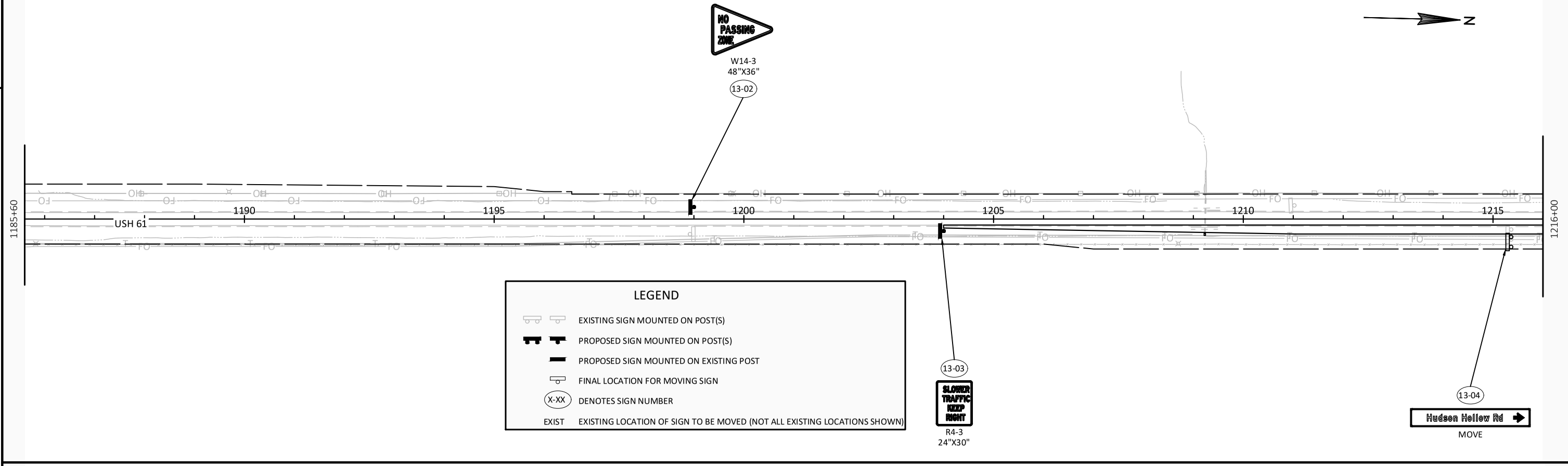
2

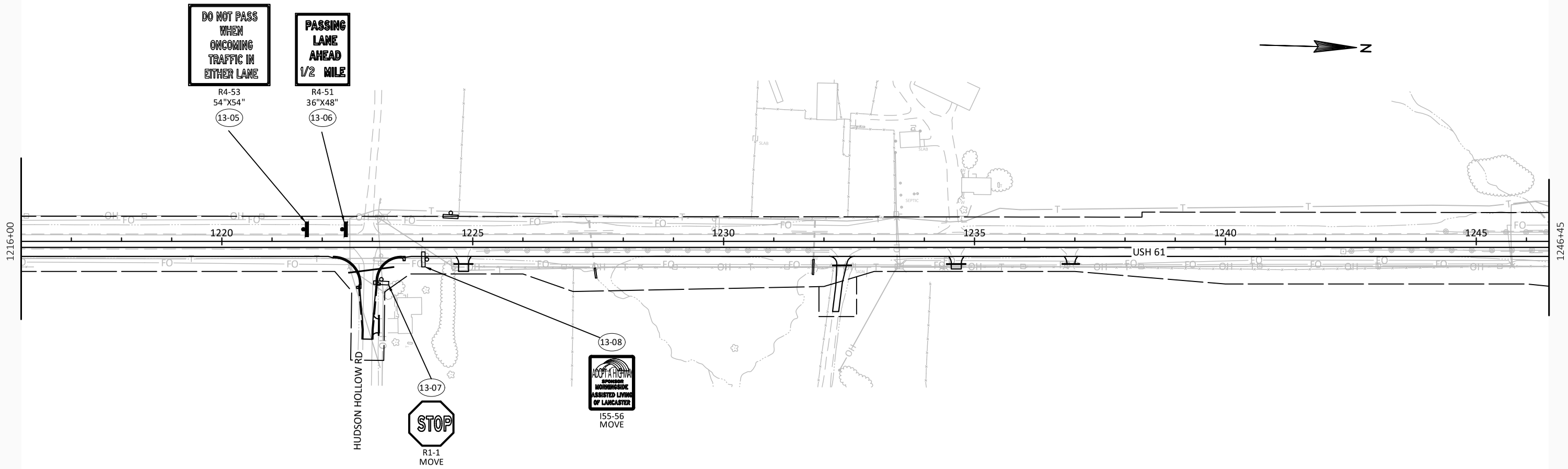
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 05 OF 11	SHEET 29	E


N
Airport Rd
MOVE
NO PASSING ZONE
W14-3
MOVE
12-01
12-02
1125+00
1130
1135
1140
1145
1150
1155
1155+25
USH 61
AIRPORT RD
12-03
PASSING LANE AHEAD 1 MILE
R4-51
36"X48"
12-04
DO NOT PASS
R4-1
24"X30"
LEGEND
EXISTING SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON EXISTING POST
FINAL LOCATION FOR MOVING SIGN
X-XX DENOTES SIGN NUMBER
EXIST EXISTING LOCATION OF SIGN TO BE MOVED (NOT ALL EXISTING LOCATIONS SHOWN)

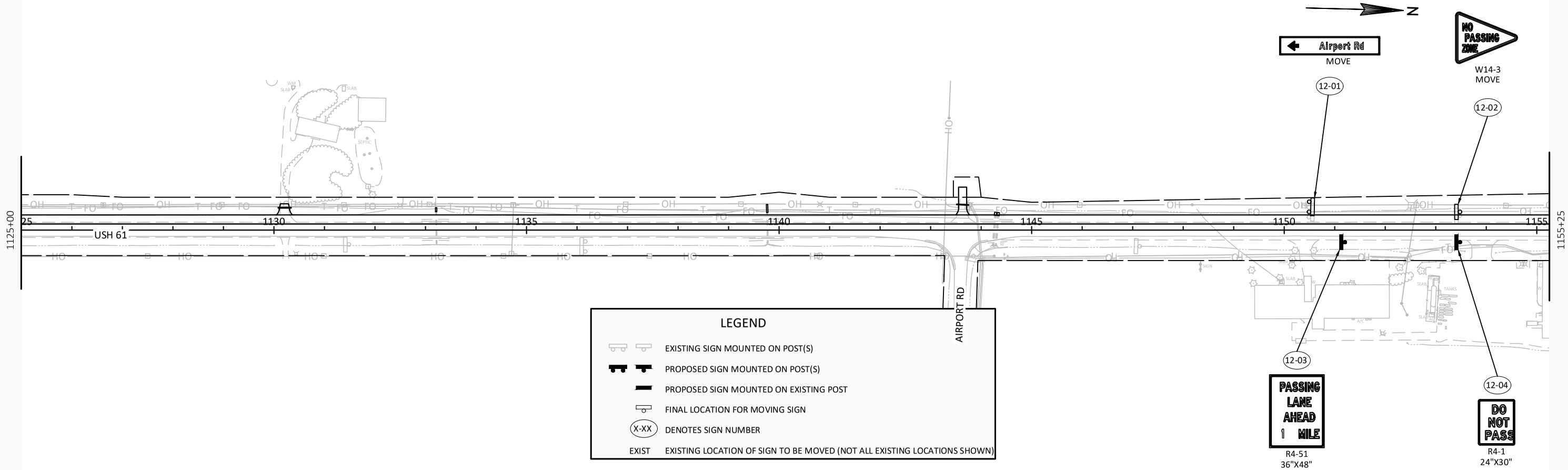

N
PLANT ENTRANCE
W54-56
MOVE
SLOWER TRAFFIC KEEP RIGHT
R4-3
24"X30"
12-06
12-07
W AIRPORT RD
1155+25
1160
1165
1170
1175
1180
1185
1185+60
USH 61
12-09
PASSING LANE AHEAD 1/2 MILE
R4-51
36"X48"
12-11
DO NOT PASS
R4-1
24"X30"

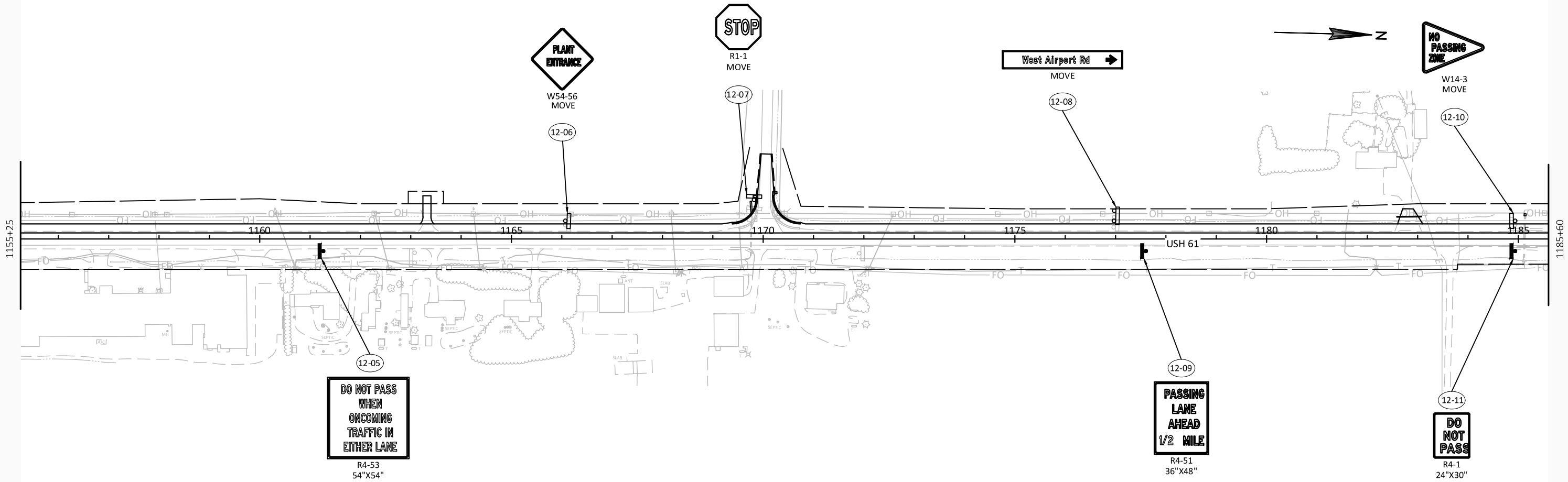
2


NO PASSING ZONE
W14-3
48"X36"
13-02
N
1185+60
USH 61
1190
1195
1200
1205
1210
1215
1216+00
LEGEND
EXISTING SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON POST(S)
PROPOSED SIGN MOUNTED ON EXISTING POST
FINAL LOCATION FOR MOVING SIGN
X-XX DENOTES SIGN NUMBER
EXIST EXISTING LOCATION OF SIGN TO BE MOVED (NOT ALL EXISTING LOCATIONS SHOWN)
13-03
SLOWER TRAFFIC KEEP RIGHT
R4-3
24"X30"
13-04
Hudson Hollow Rd
MOVE


DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE
R4-53
54"X54"
13-05
PASSING LANE AHEAD 1/2 MILE
R4-51
36"X48"
13-06
N
1216+00
1220
1225
1230
1235
1240
1245
1246+45
USH 61
HUDSON HOLLOW RD
13-07
STOP
R1-1
MOVE
13-08
ADOPT A HIGHWAY
SPONSORED BY
MORNINGSIDE
ASSISTED LIVING
OF LANCASTER
I55-56
MOVE

2

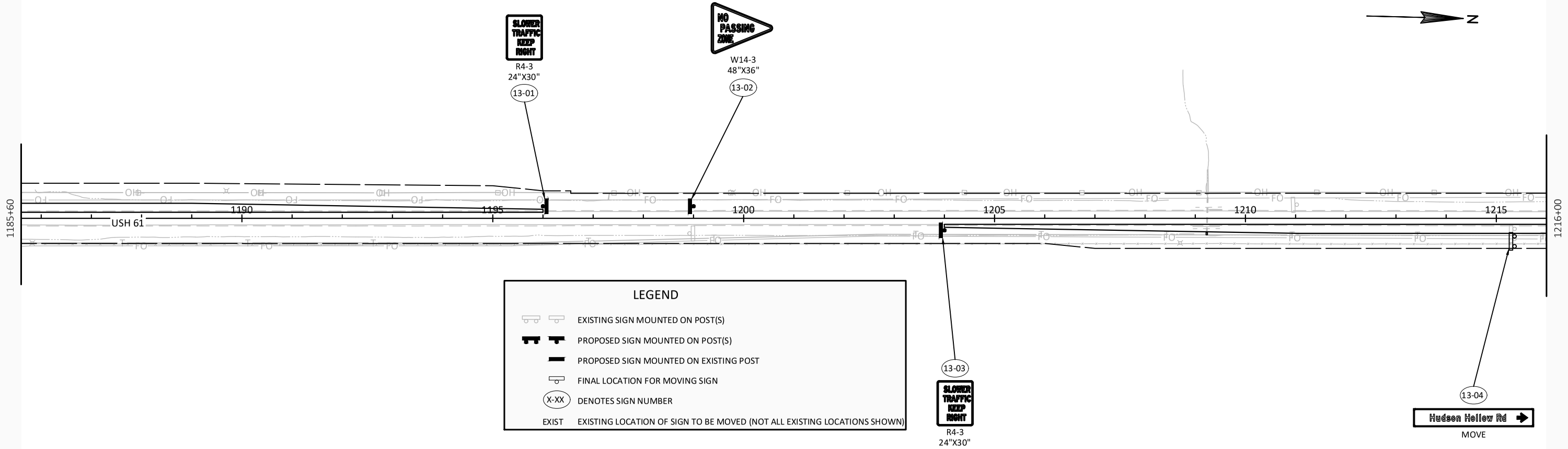


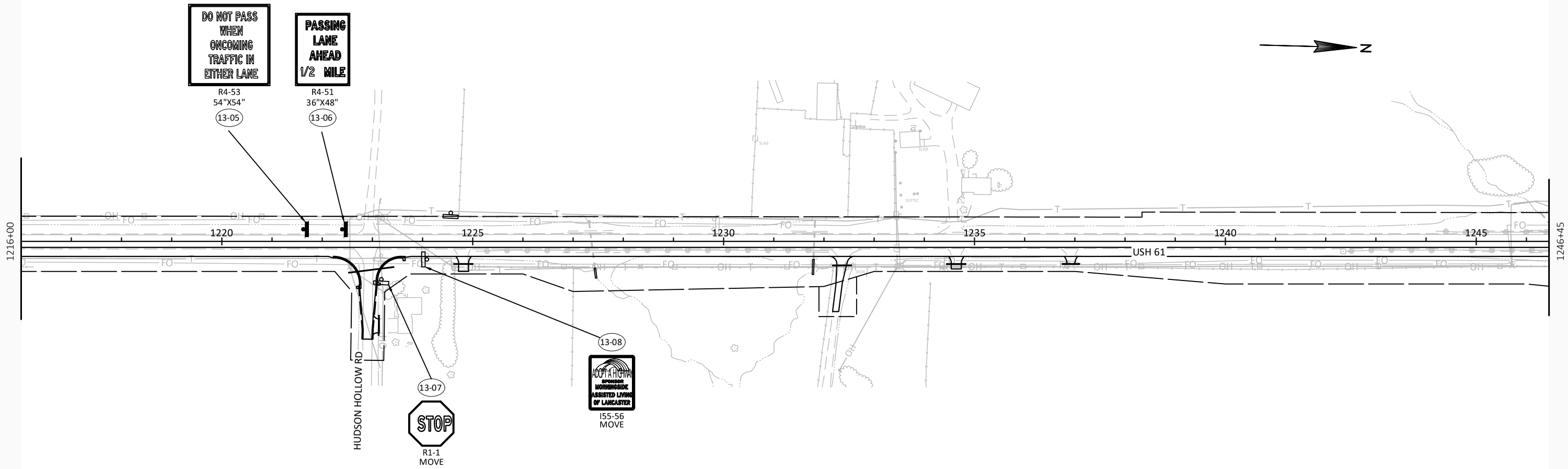


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 08 OF 11	SHEET 32	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG PLOT DATE : 7/22/2022 9:23 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

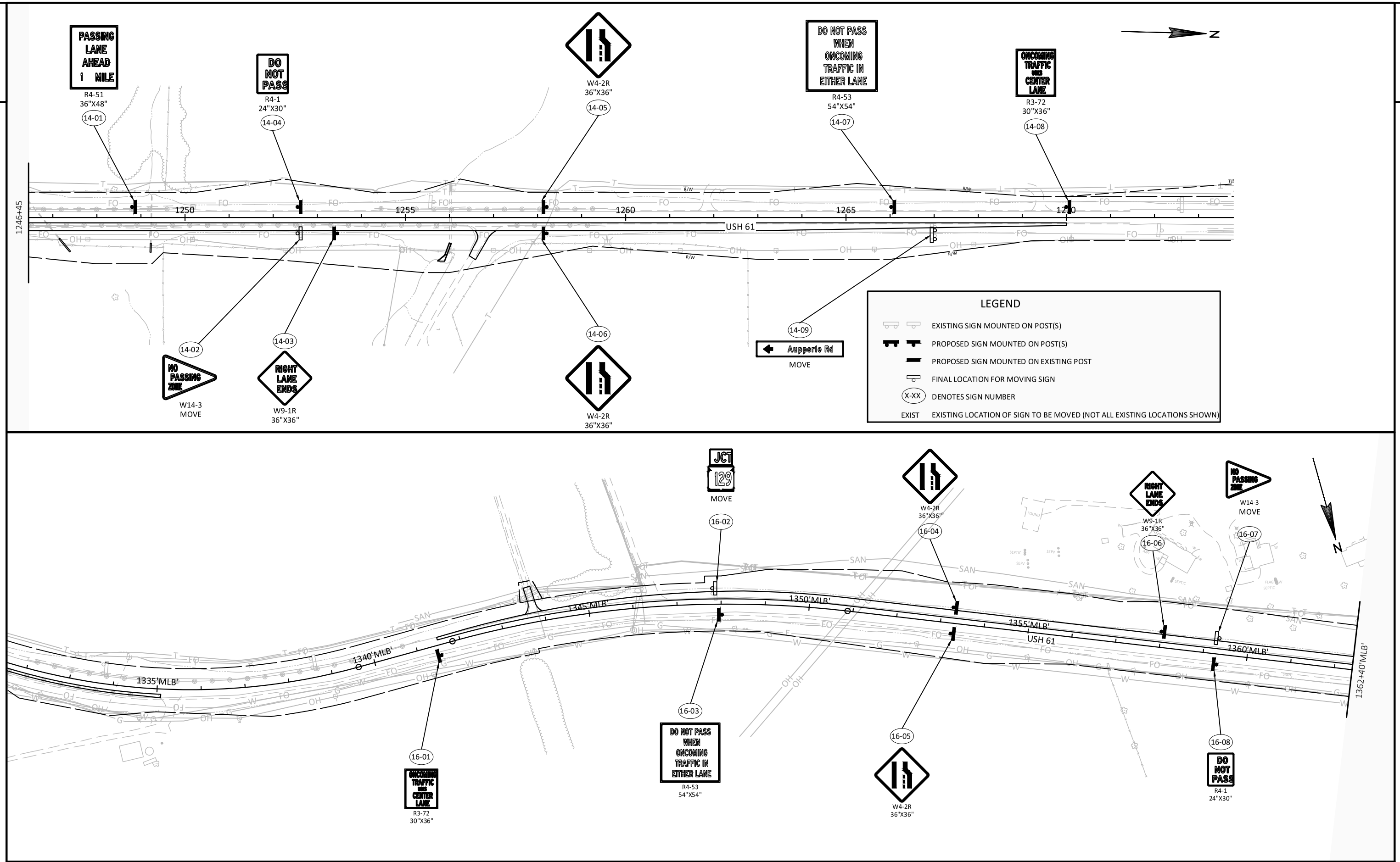
2





PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 09 OF 11	SHEET 33	E

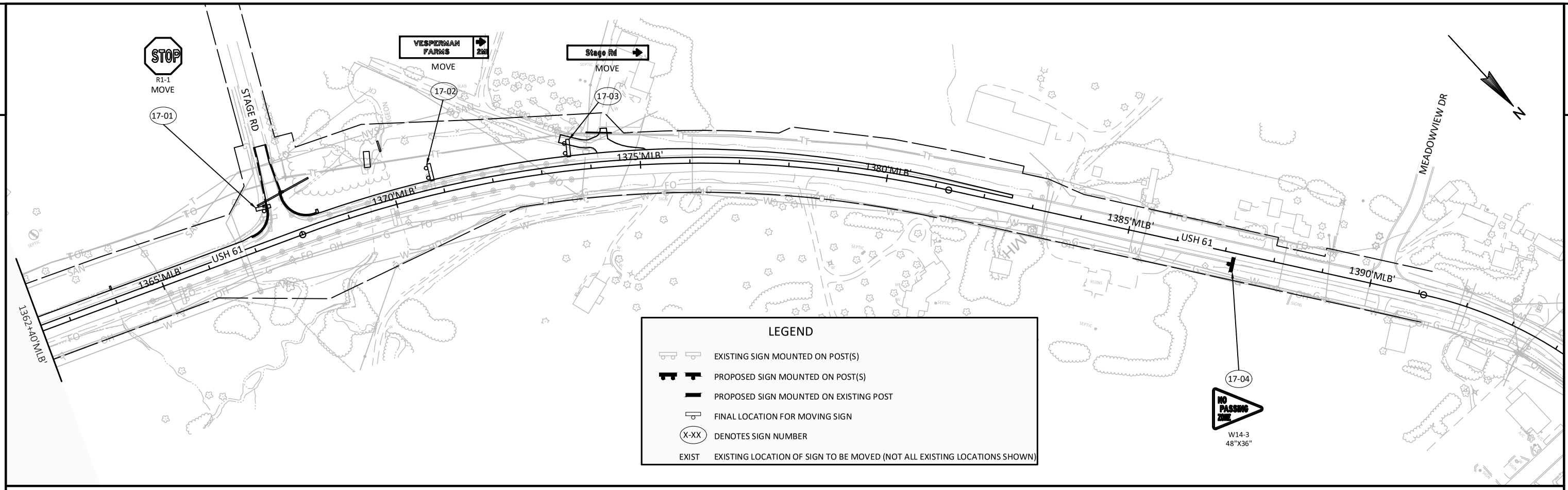
2



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 10 OF 11	SHEET 34	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG PLOT DATE : 7/22/2022 9:24 PM PLOT BY : SEH LAYOUT NAME : 10 PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PERMANENT SIGNING	PAGE 11 OF 11	SHEET 35	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\023201_PS V3.DWG PLOT DATE : 7/22/2022 9:25 PM PLOT BY : SEH LAYOUT NAME : 11 PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

NOTES: APPLICABLE TO BOTH DIRECTIONS
SIGN SPACING SHALL BE BASED ON POSTED SPEED PER SDD'S.

MAINLINE SIGN LAYOUT

TYPICAL SIDE ROAD SIGN LAYOUT

NOTE: SIGN SPACING FROM INTERSECTION MAY BE REDUCED WITH APPROVAL OF THE ENGINEER IF EXISTING POSTED SPEED LIMIT IS LESS THAN 45 MPH. CONTRACTOR SHALL SIGN SIDE ROADS ALONG ROUTE, NOT ALL SIDE ROADS AND SIGNAGE ARE SHOWN ON THIS SHEET

SIGN LEGEND

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

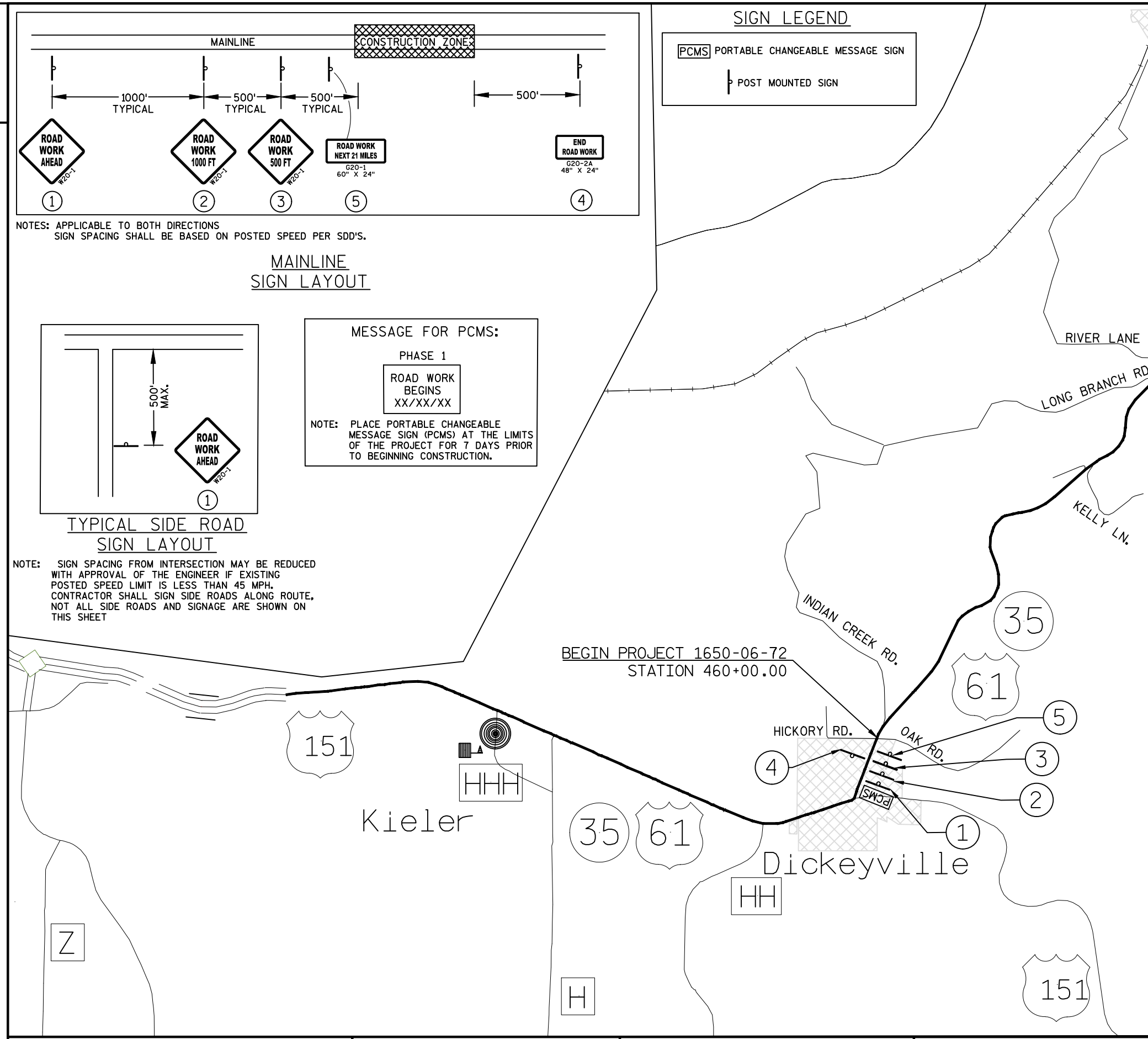
POST MOUNTED SIGN

MESSAGE FOR PCMS:

PHASE 1

ROAD WORK BEGINS XX/XX/XX

NOTE: PLACE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT THE LIMITS OF THE PROJECT FOR 7 DAYS PRIOR TO BEGINNING CONSTRUCTION.



GENERAL NOTES FOR TRAFFIC CONTROL

ALL SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LANE CLOSURE WITH FLAGGING WITH FLAGGING OPERATION (SDD 15C12) SHALL BE USED FOR CONSTRUCTION OF PASSING LANES. OTHER TEMPORARY TRAFFIC CONTROL SETUPS SHALL BE USED AS-NEEDED AND PERFORMED IN COMPLIANCE WITH THE SDD AND MUTCD REQUIREMENTS.

PLACE 5 DRUMS AT 10' INTERVALS TAPERED IN FRONT OF EACH PCMS SIGN.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

TEMPORARY OR PERMANENT SIGNS WHICH CONFLICT WITH THE STAGED TRAFFIC CONTROL PLAN SHALL BE REMOVED OR COVERED WHILE IN CONFLICT AND REINSTALLED OR UNCOVERED WHEN NO LONGER IN CONFLICT.

EXISTING TRAFFIC SIGNS MAY REQUIRE RELOCATION DURING STAGES OF CONSTRUCTION AND SHALL BE LOCATED AS REQUIRED BY THE ENGINEER IN THE FIELD AND SHALL BE CONSIDERED INCIDENTAL TO THE TRAFFIC CONTROL ITEM.

ANY TRAFFIC CONTROL SET UP NEAR THE USH 61 / STH 81 INTERSECTION PROJECT (1650-00-77) SHALL BE COORDINATED WITH ADJACENT PROJECT TO ENSURE THERE IS NO CONFLICTING TRAFFIC CONTROL DEVICES WITHIN THAT AREA. CONTRACTOR SHALL COORDINATE AS-NEEDED WITH PROJECT 1650-00-77 TO PREVENT CONFLICTS.

ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC., SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

DETAILS FOR MAINTENANCE OF TRAFFIC THROUGH MINOR INTERSECTIONS ARE NOT SHOWN.

LOCAL ACCESS AND ACCESS TO ALL PRIVATE PROPERTY ALONG THE CORRIDOR SHALL BE MAINTAINED AT ALL TIMES.

TYPE III BARRICADES MAY BE SUBSTITUTED FOR POST MOUNTED SIGNS IN SITUATIONS WHERE SIGN LOCATIONS ARE CONTINUALLY MOVING.

DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS, STANDARD DETAIL DRAWINGS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

EQUIPMENT AND MATERIALS SHALL BE STORED OUTSIDE THE CLEAR ZONE AND SHALL BE PLACED SO AS TO NOT OBSTRUCT SIGHT DISTANCE FOR VEHICLES ALONG THE ROADWAY AND ENTERING THE ROAD FROM DRIVEWAYS AND SIDE STREETS.

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL	SHEET 36	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\025100-TC (TRAFFIC CONTROL).DWG PLOT DATE : 7/22/2022 9:25 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : ######
LAYOUT NAME - TC-01
WISDOT/CADDS SHEET 42

NOTES: APPLICABLE TO BOTH DIRECTIONS
SIGN SPACING SHALL BE BASED ON POSTED SPEED PER SDD'S.

MAINLINE SIGN LAYOUT

TYPICAL SIDE ROAD SIGN LAYOUT

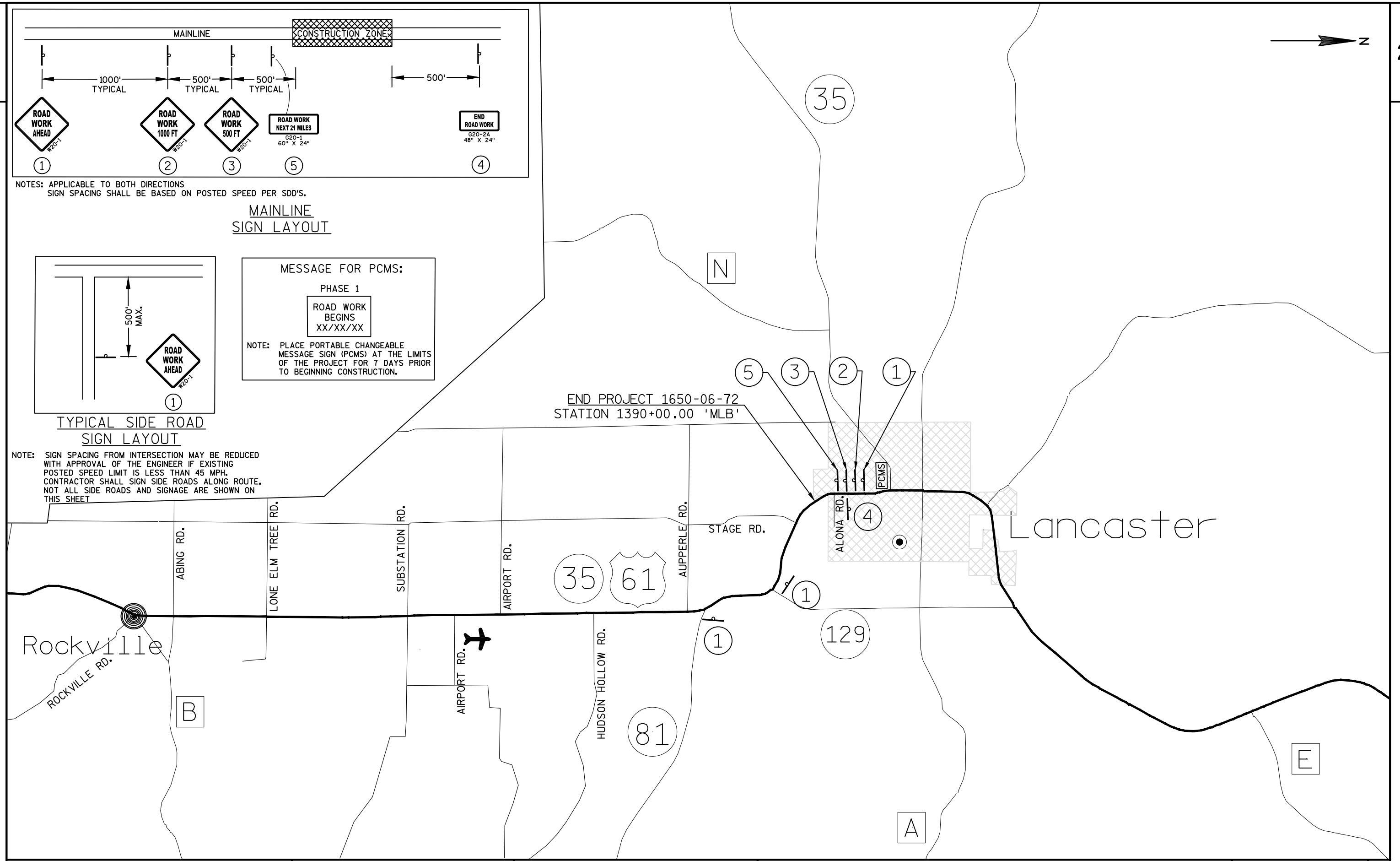
NOTE: SIGN SPACING FROM INTERSECTION MAY BE REDUCED WITH APPROVAL OF THE ENGINEER IF EXISTING POSTED SPEED LIMIT IS LESS THAN 45 MPH. CONTRACTOR SHALL SIGN SIDE ROADS ALONG ROUTE, NOT ALL SIDE ROADS AND SIGNAGE ARE SHOWN ON THIS SHEET

MESSAGE FOR PCMS:

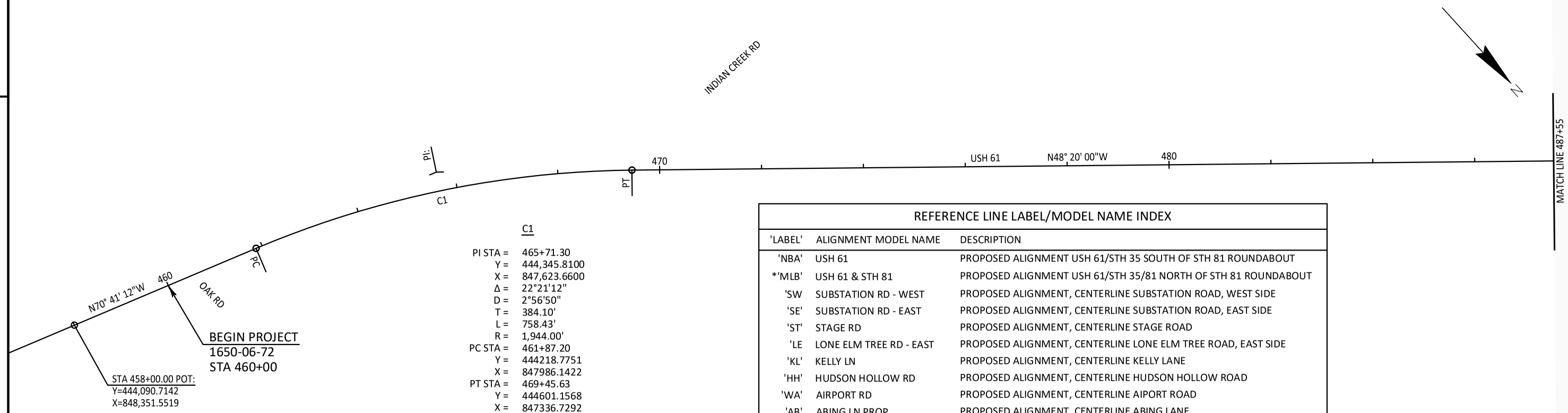
PHASE 1

ROAD WORK BEGINS XX/XX/XX

NOTE: PLACE PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT THE LIMITS OF THE PROJECT FOR 7 DAYS PRIOR TO BEGINNING CONSTRUCTION.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	TRAFFIC CONTROL	SHEET 37	E



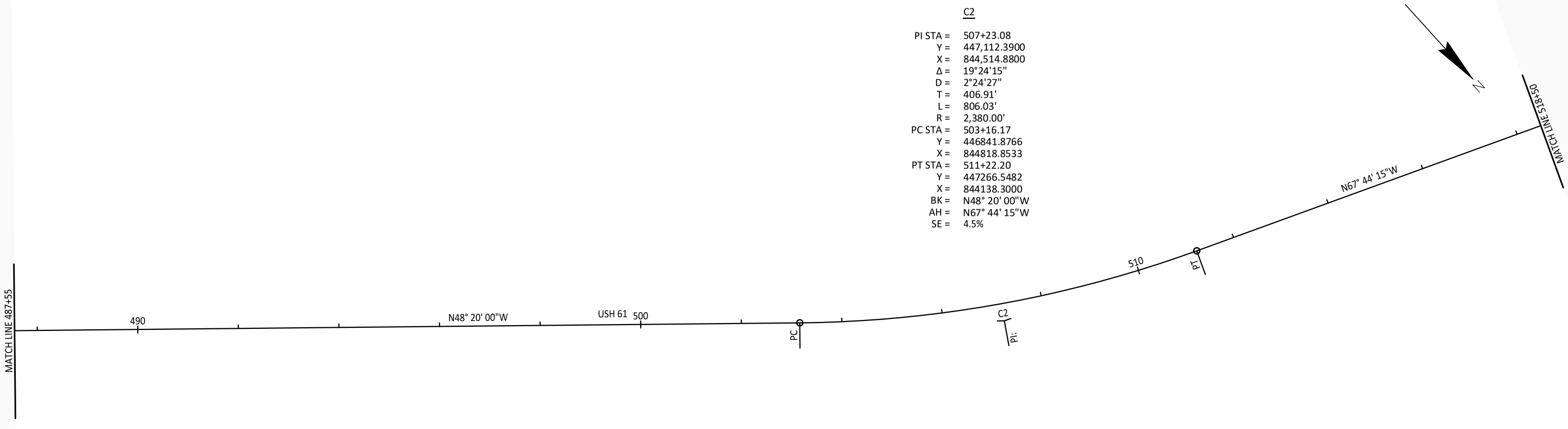
C1

PI STA =	465+71.30
Y =	444,345.8100
X =	847,623.6600
Δ =	22°21'12"
D =	2°56'50"
T =	384.10'
L =	758.43'
R =	1,944.00'
PC STA =	461+87.20
Y =	444218.7751
X =	847986.1422
PT STA =	469+45.63
Y =	444601.1568
X =	847336.7292
BK =	N70° 41' 12"W
AH =	N48° 20' 00"W
SE =	5.0%

REFERENCE LINE LABEL/MODEL NAME INDEX

'LABEL'	ALIGNMENT MODEL NAME	DESCRIPTION
'NBA'	USH 61	PROPOSED ALIGNMENT USH 61/STH 35 SOUTH OF STH 81 ROUNDABOUT
*'MLB'	USH 61 & STH 81	PROPOSED ALIGNMENT USH 61/STH 35/81 NORTH OF STH 81 ROUNDABOUT
'SW	SUBSTATION RD - WEST	PROPOSED ALIGNMENT, CENTERLINE SUBSTATION ROAD, WEST SIDE
'SE'	SUBSTATION RD - EAST	PROPOSED ALIGNMENT, CENTERLINE SUBSTATION ROAD, EAST SIDE
'ST'	STAGE RD	PROPOSED ALIGNMENT, CENTERLINE STAGE ROAD
'LE	LONE ELM TREE RD - EAST	PROPOSED ALIGNMENT, CENTERLINE LONE ELM TREE ROAD, EAST SIDE
'KL'	KELLY LN	PROPOSED ALIGNMENT, CENTERLINE KELLY LANE
'HH'	HUDSON HOLLOW RD	PROPOSED ALIGNMENT, CENTERLINE HUDSON HOLLOW ROAD
'WA'	AIRPORT RD	PROPOSED ALIGNMENT, CENTERLINE AIPORT ROAD
'AB'	ABING LN PROP	PROPOSED ALIGNMENT, CENTERLINE ABING LANE

* DENOTED AS 'NBB' IN PROJECT 1650-00-77



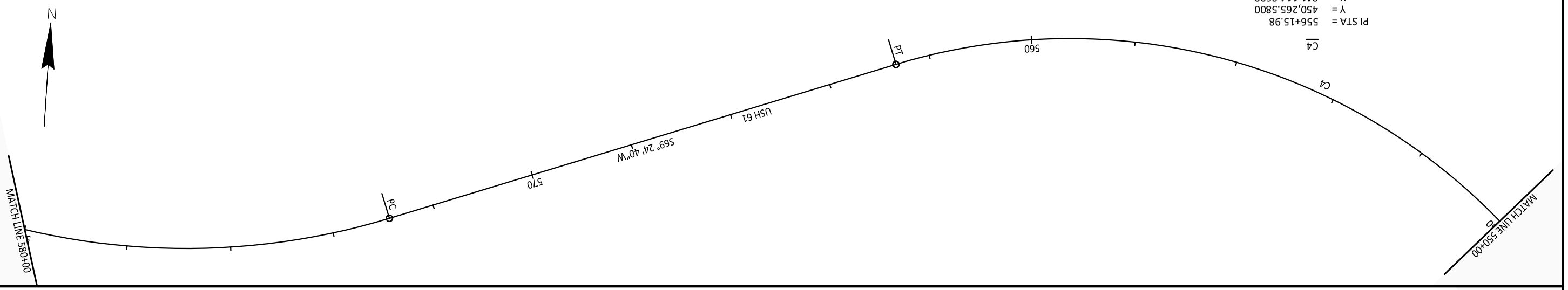
C2

PI STA =	507+23.08
Y =	447,112.3900
X =	844,514.8800
Δ =	19°24'15"
D =	2°24'27"
T =	406.91'
L =	806.03'
R =	2,380.00'
PC STA =	503+16.17
Y =	446841.8766
X =	844818.8533
PT STA =	511+22.20
Y =	447266.5482
X =	844138.3000
BK =	N48° 20' 00"W
AH =	N67° 44' 15"W
SE =	4.5%

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 01 OF 16	SHEET 38	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027201_AD (ALI DETAIL).DWG PLOT DATE : 7/22/2022 9:26 PM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

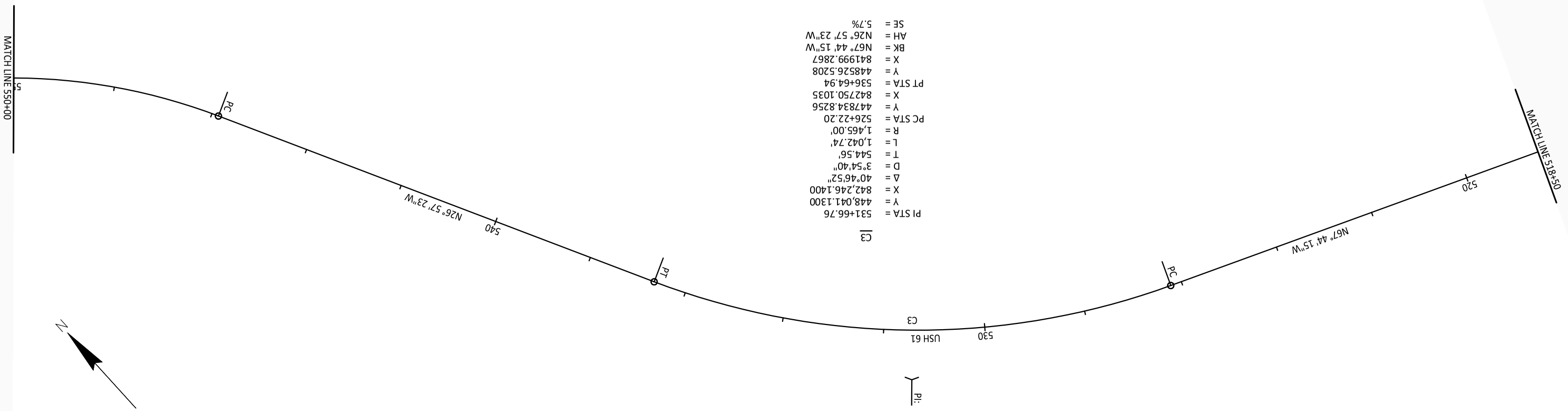
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 02 OF 16	SHEET 39	E



C4

PI STA =	556+15.98
Y =	450,265.5800
X =	841,114.8600
Δ =	83°37'57"
D =	4°58'40"
T =	1,029.70'
L =	1,680.07'
R =	1,151.00'
PC STA =	545+86.28
Y =	449347.7534
X =	841581.6355
PT STA =	562+66.35
Y =	449903.4747
X =	840150.9280
BK =	N26° 57' 23"W
AH =	S69° 24' 40"W
SE =	6.0%

PI



C3

PI STA =	531+66.76
Y =	448,041.1300
X =	842,246.1400
Δ =	40°46'52"
D =	3°54'40"
T =	544.56'
L =	1,042.74'
R =	1,465.00'
PC STA =	526+22.20
Y =	447834.8256
X =	842750.1035
PT STA =	536+64.94
Y =	448526.5208
X =	841999.2867
BK =	N67° 44' 15"W
AH =	N26° 57' 23"W
SE =	5.7%

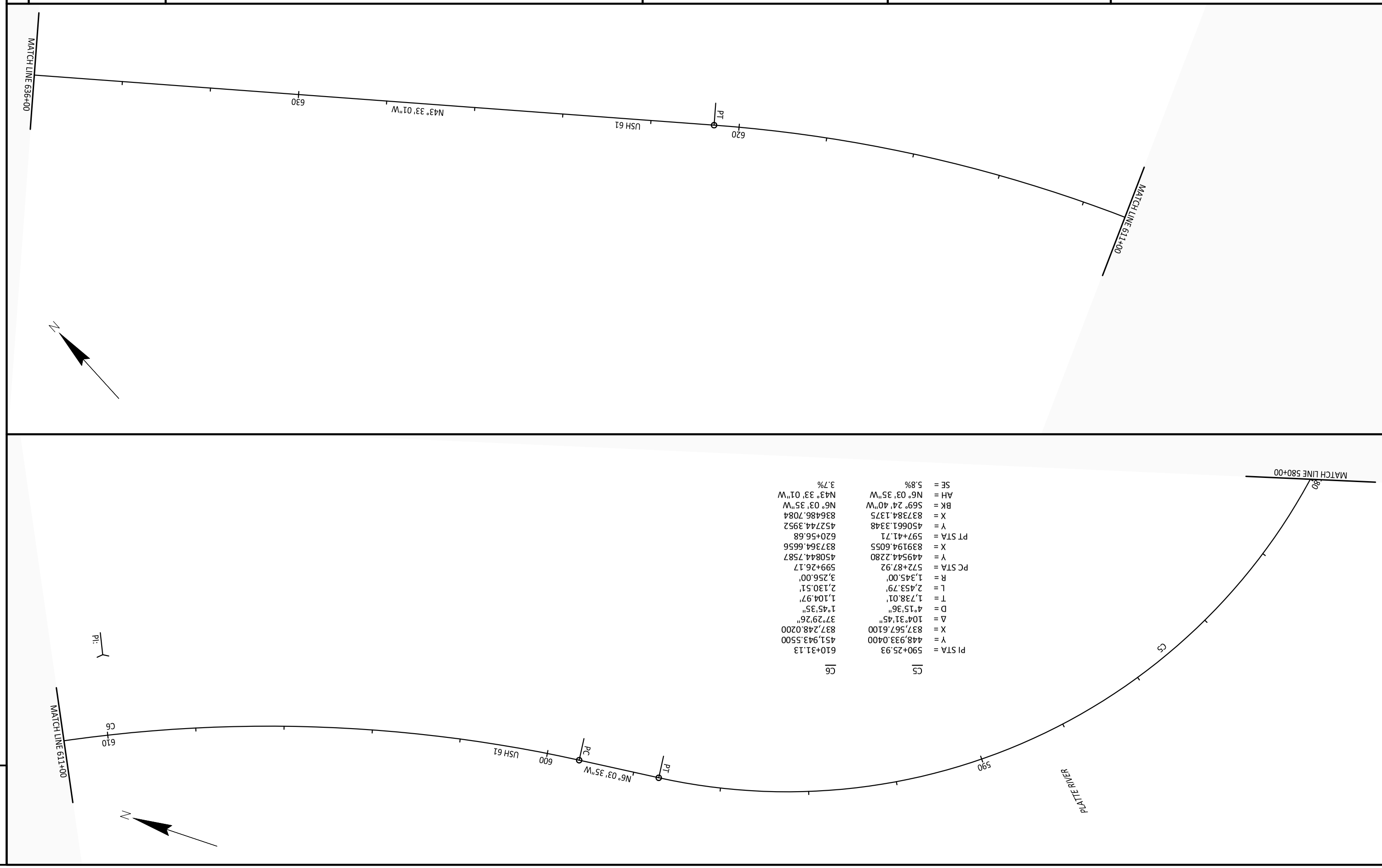
PI

2

2

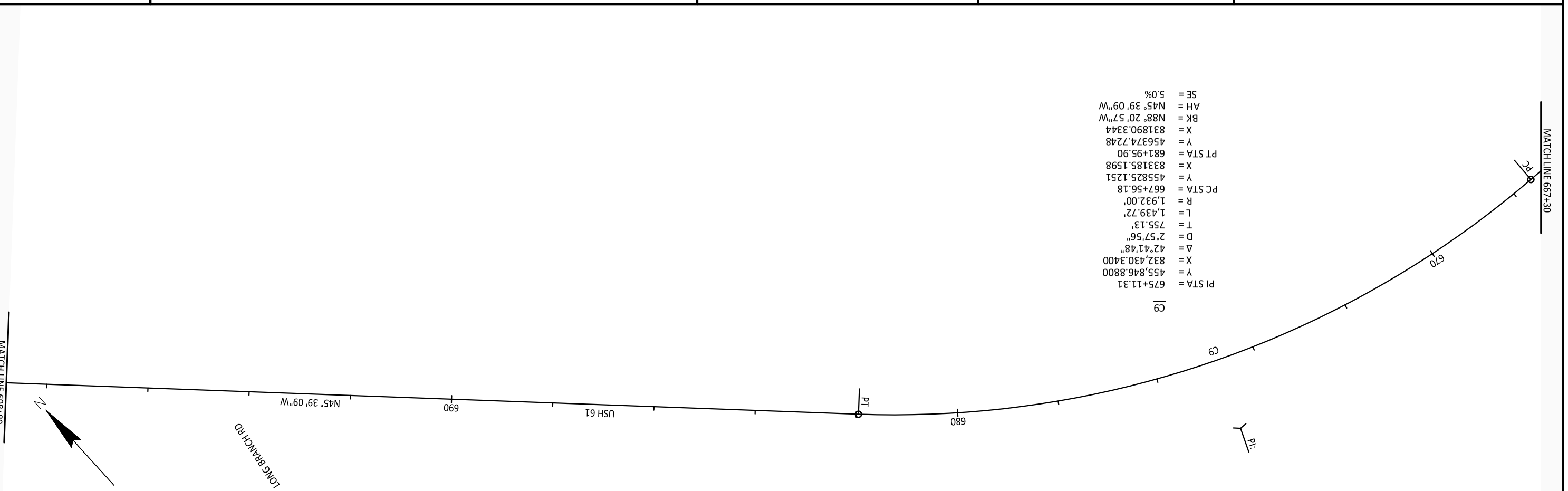
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\WI\WITSW\156292\5-FINAL-DSGN\S1-DRAWINGS\10-CIVIL\C3D\1650000 7\SHEETSPLAN\1650060 2-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

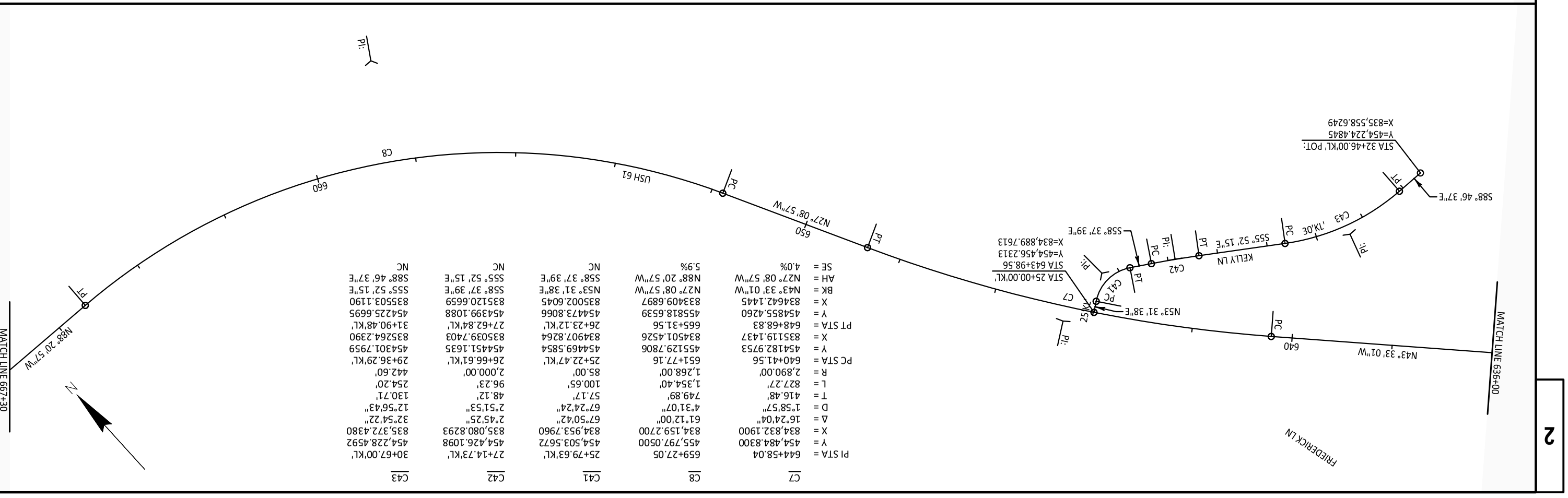
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 03 OF 16	SHEET	E
					40	



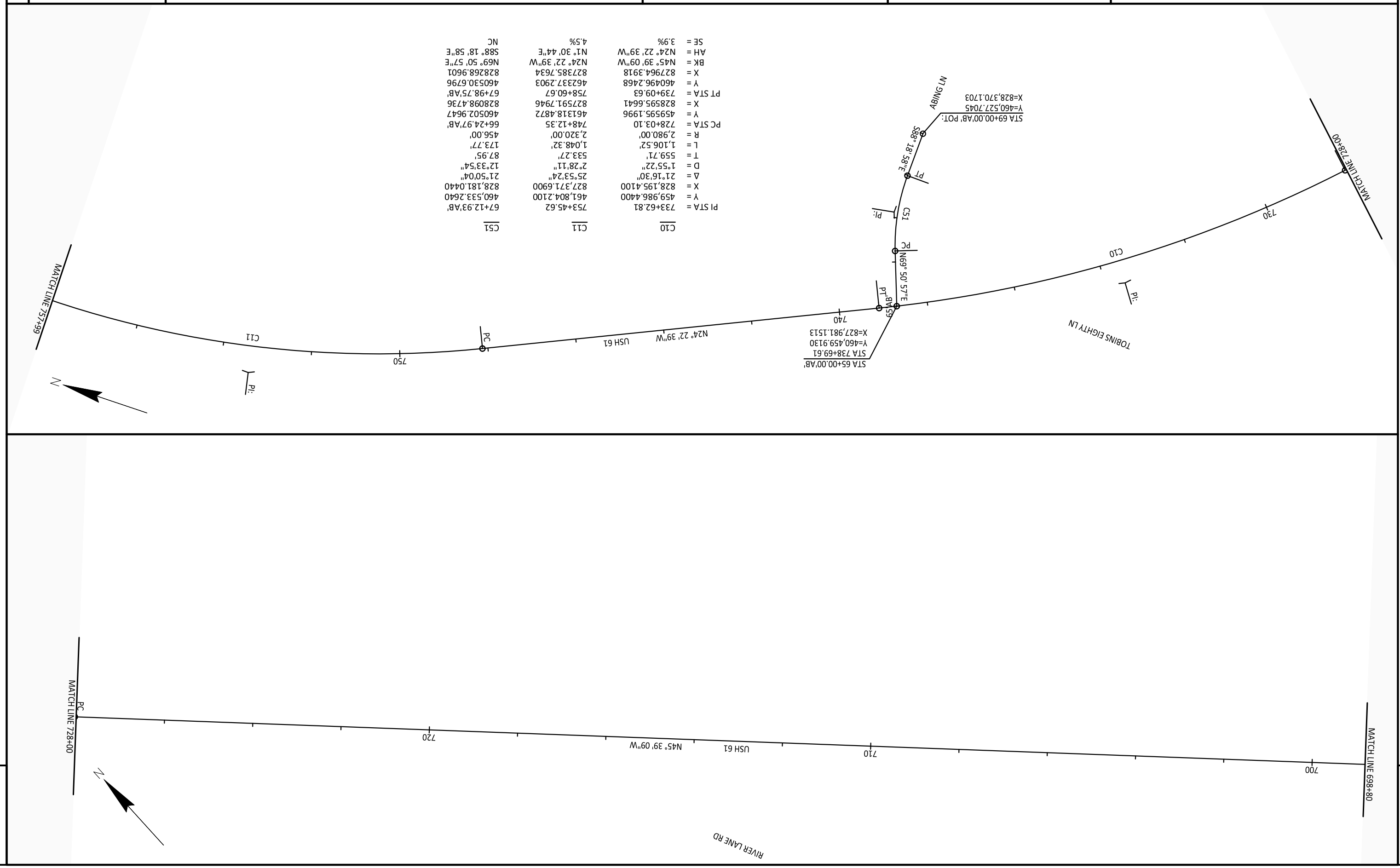
	C5	C6
PI STA =	590+25.93	610+31.13
Y =	448,933.0400	451,943.5500
X =	837,567.6100	837,248.0200
Δ =	104°31'45"	37°29'26"
D =	4°15'36"	1°45'35"
T =	1,738.01'	1,104.97'
L =	2,453.79'	2,130.51'
R =	1,345.00'	3,256.00'
PC STA =	572+87.92	599+26.17
Y =	449544.2280	450844.7587
X =	839194.6055	837364.6656
PT STA =	597+41.71	620+56.68
Y =	450661.3348	452744.3952
X =	837384.1375	836486.7084
BK =	S69° 24' 40"W	N6° 03' 35"W
AH =	N6° 03' 35"W	N43° 33' 01"W
SE =	5.8%	3.7%

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\S1-DRAWINGS\10-CIVIL\C3D\1650000\SHEETSPLAN\1650060Z-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42


MATCH LINE 667+30
PC
670
C9
PT
680
USH 61
690
N45° 39' 09"W
MATCH LINE 698+80
N
LONG BRANCH RD
PI:
C9
PI STA = 675+11.31
Y = 455,846.8800
X = 832,430.3400
Δ = 42°41'48"
D = 2°57'56"
T = 755.13'
L = 1,439.72'
R = 1,932.00'
PC STA = 667+56.18
Y = 455825.1251
X = 833185.1598
PT STA = 681+95.90
Y = 456374.7248
X = 831890.3344
BK = N88° 20' 57"W
AH = N45° 39' 09"W
SE = 5.0%


MATCH LINE 636+00
PC
640
N43° 33' 01"W
FRIEDERICK LN
PI:
PC
C42
PT
KELLY LN
S55° 52' 15"E
PC
C43
PT
S88° 46' 37"E
STA 32+46.00'KL' POT:
Y=454,224.4845
X=835,558.6249
PI:
PC
C41
PT
S58° 37' 39"E
STA 25+00.00'KL'
Y=454,456.2313
X=834,889.7613
PI:
C7
PC
N53° 31' 38"E
PI:
650
N27° 08' 57"W
PT
USH 61
660
C8
N88° 20' 57"W
MATCH LINE 667+30
N
PI:
C7
PI STA = 644+58.04
Y = 454,484.8300
X = 834,832.1900
Δ = 16°24'04"
D = 1°58'57"
T = 416.48'
L = 827.27'
R = 2,890.00'
PC STA = 640+41.56
Y = 454182.9753
X = 835119.1437
PT STA = 648+68.83
Y = 454855.4260
X = 834642.1445
BK = N43° 33' 01"W
AH = N27° 08' 57"W
SE = 4.0%
C8
659+27.05
455,797.0500
834,159.2700
61°12'00"
43°10'07"
749.89'
1,354.40'
1,268.00'
651+77.16
455129.7806
834501.4526
454469.5854
454473.8066
455818.6539
833402.6897
NC
NC
C41
25+79.63'KL'
454,503.5672
834,953.7960
67°50'42"
67°24'24"
57.17'
100.65'
85.00'
25+22.47'KL'
454473.8066
455818.6539
833402.6045
NC
NC
C42
27+14.73'KL'
454,426.1098
834,080.8293
2°51'53"
2°45'25"
48.12'
96.23'
2,000.00'
26+66.61'KL'
454399.1088
835120.6659
NC
NC
C43
30+67.00'KL'
454,228.4592
834,372.4380
12°56'43"
32°54'22"
130.71'
254.20'
442.60'
29+36.29'KL'
454301.7959
835264.2390
31+90.48'KL'
454225.6695
835503.1190
S55° 52' 15"E
S88° 46' 37"E

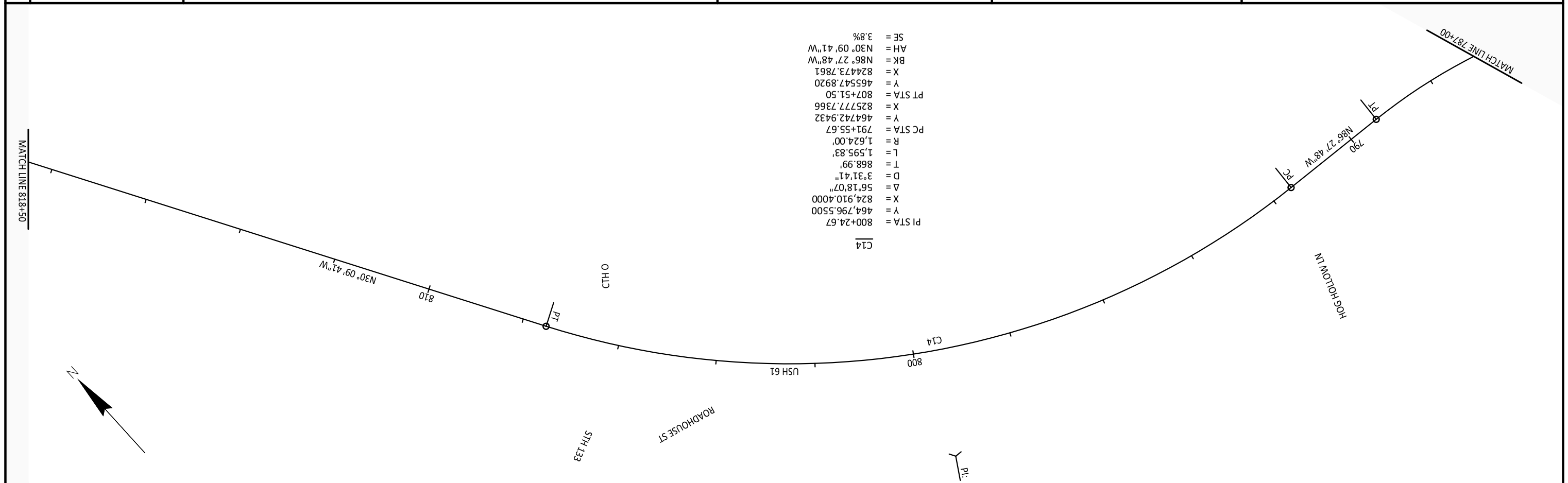
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 05 OF 16	SHEET 42	E



	C10	C11	C51
PI STA =	733+62.81	753+45.62	67+12.93'AB'
Y =	459,986.4400	461,804.2100	460,533.2640
X =	828,195.4100	827,371.6900	828,181.0440
Δ =	21°16'30"	25°53'24"	21°50'04"
D =	1°55'22"	2°28'11"	12°33'54"
T =	559.71'	533.27'	87.95'
L =	1,106.52'	1,048.32'	173.77'
R =	2,980.00'	2,320.00'	456.00'
PC STA =	728+03.10	748+12.35	66+24.97'AB'
Y =	459595.1996	461318.4872	460502.9647
X =	828595.6641	827591.7946	828098.4736
PT STA =	739+09.63	758+60.67	67+98.75'AB'
Y =	460496.2468	462337.2903	460530.6796
X =	827964.3918	827385.7634	828268.9601
BK =	N45° 39' 09"W	N24° 22' 39"W	N69° 50' 57"E
AH =	N24° 22' 39"W	N1° 30' 44"E	S88° 18' 58"E
SE =	3.9%	4.5%	NC

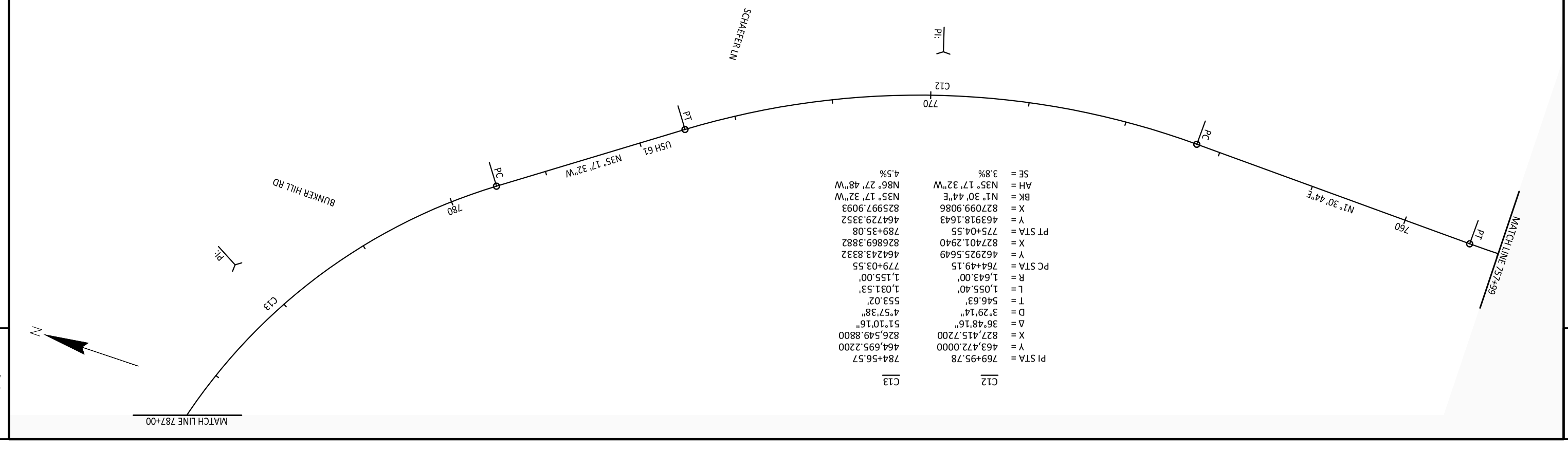
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\1650000-RD\022701_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	SHEET 43 E



C14

PI STA =	800+24.67
Y =	464,796.5500
X =	824,910.4000
Δ =	56°18'07"
D =	3°31'41"
T =	868.99'
L =	1,595.83'
R =	1,624.00'
PC STA =	791+55.67
Y =	464742.9432
X =	825777.7366
PT STA =	807+51.50
Y =	465547.8920
X =	824473.7861
BK =	N86° 27' 48"W
AH =	N30° 09' 41"W
SE =	3.8%



C12

PI STA =	769+95.78
Y =	463,472.0000
X =	827,415.7200
Δ =	36°48'16"
D =	3°29'14"
T =	546.63'
L =	1,055.40'
R =	1,643.00'
PC STA =	764+49.15
Y =	462925.5649
X =	827401.2940
PT STA =	775+04.55
Y =	463918.1643
X =	827099.9086
BK =	N12° 30' 44"E
AH =	N35° 17' 32"W
SE =	3.8%

C13

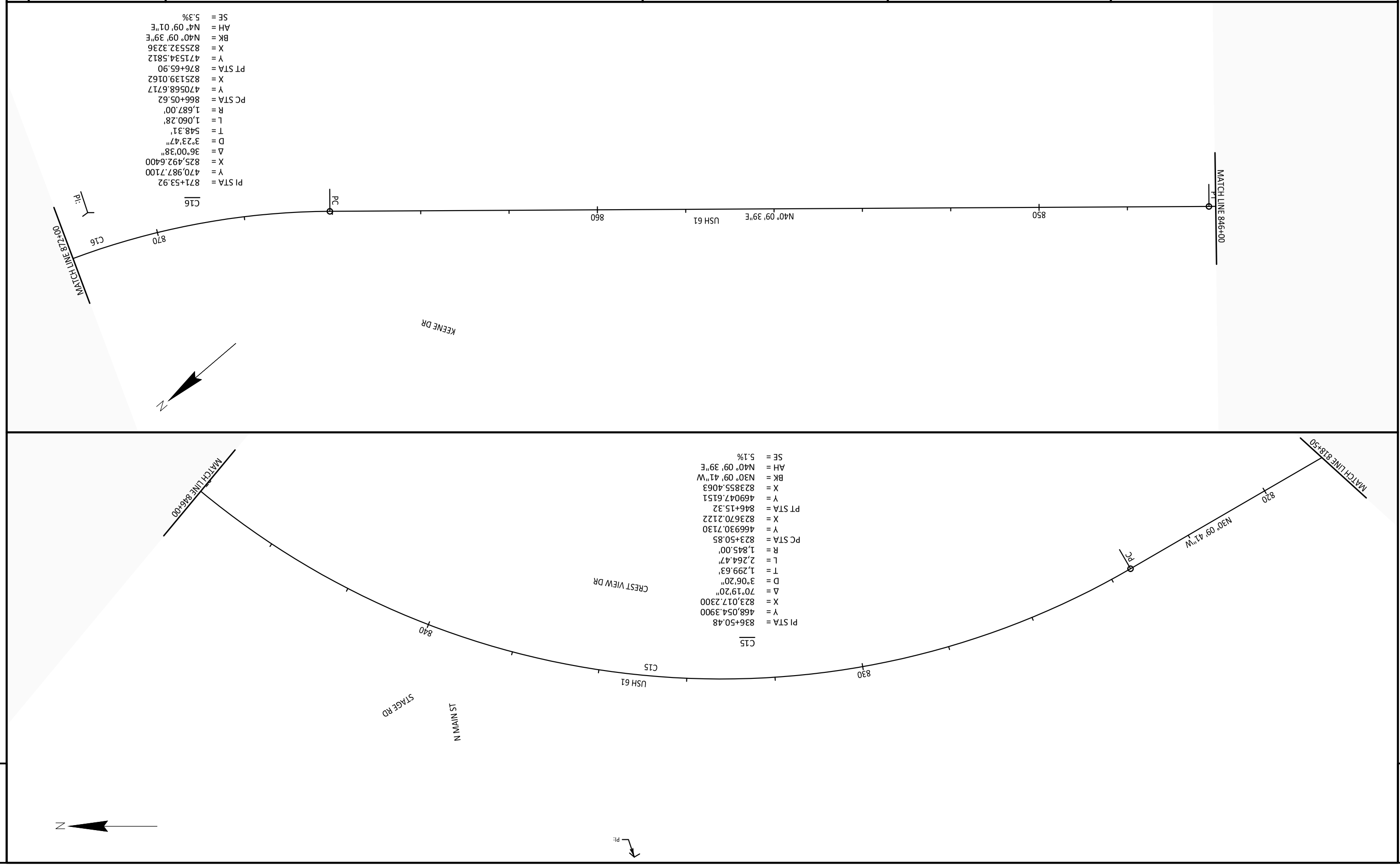
PI STA =	784+56.57
Y =	464,695.2200
X =	826,549.8800
Δ =	51°10'16"
D =	4°57'38"
T =	553.02'
L =	1,031.53'
R =	1,155.00'
PC STA =	779+03.55
Y =	464243.8332
X =	826869.3882
PT STA =	789+35.08
Y =	464729.3352
X =	825997.9093
BK =	N35° 17' 32"W
AH =	N86° 27' 48"W
SE =	4.5%

2

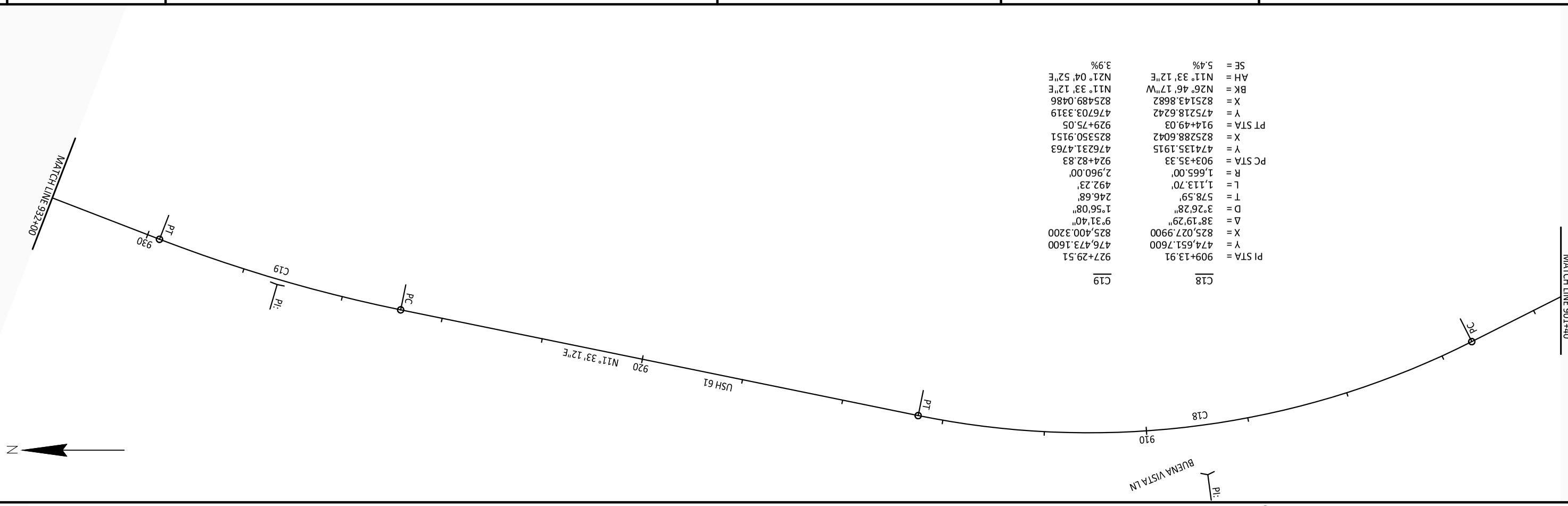
2

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\1650000?\SHEETSPLAN\1650060?-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 06
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 07 OF 16	SHEET	44	E

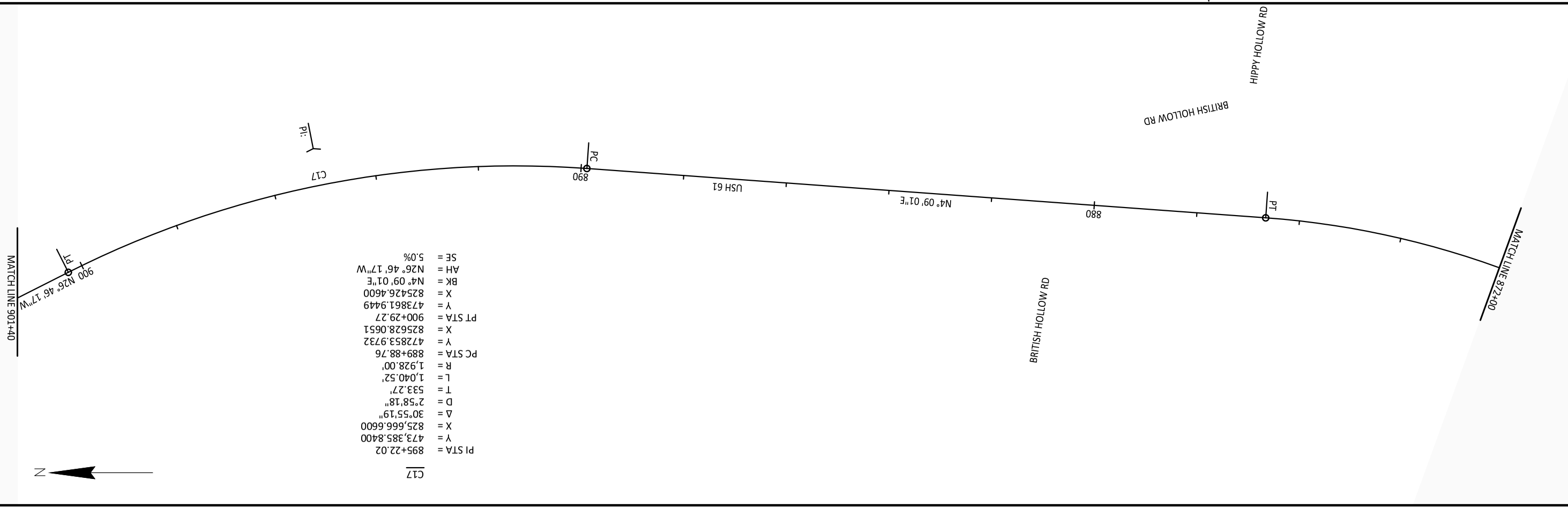


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 08 OF 16	SHEET 45	E



C18	
PI STA =	909+13.91
Y =	474,651.7600
X =	825,027.9900
Δ =	38°19'29"
D =	3°26'28"
T =	578.59'
L =	1,113.70'
R =	1,665.00'
PC STA =	903+35.33
Y =	474135.1915
X =	825288.6042
PT STA =	914+49.03
Y =	475218.6242
X =	825143.8682
BK =	N26° 46' 17"W
AH =	N11° 33' 12"E
SE =	5.4%

C19	
PT STA =	927+29.51
Y =	476,473.1600
X =	825,400.3200
Δ =	9°31'40"
D =	1°56'08"
T =	246.68'
L =	492.23'
R =	2,960.00'
PC STA =	924+82.83
Y =	476231.4763
X =	825350.9151
PT STA =	929+75.05
Y =	476703.3319
X =	825489.0486
BK =	N21° 04' 52"E
AH =	N11° 33' 12"E
SE =	3.9%

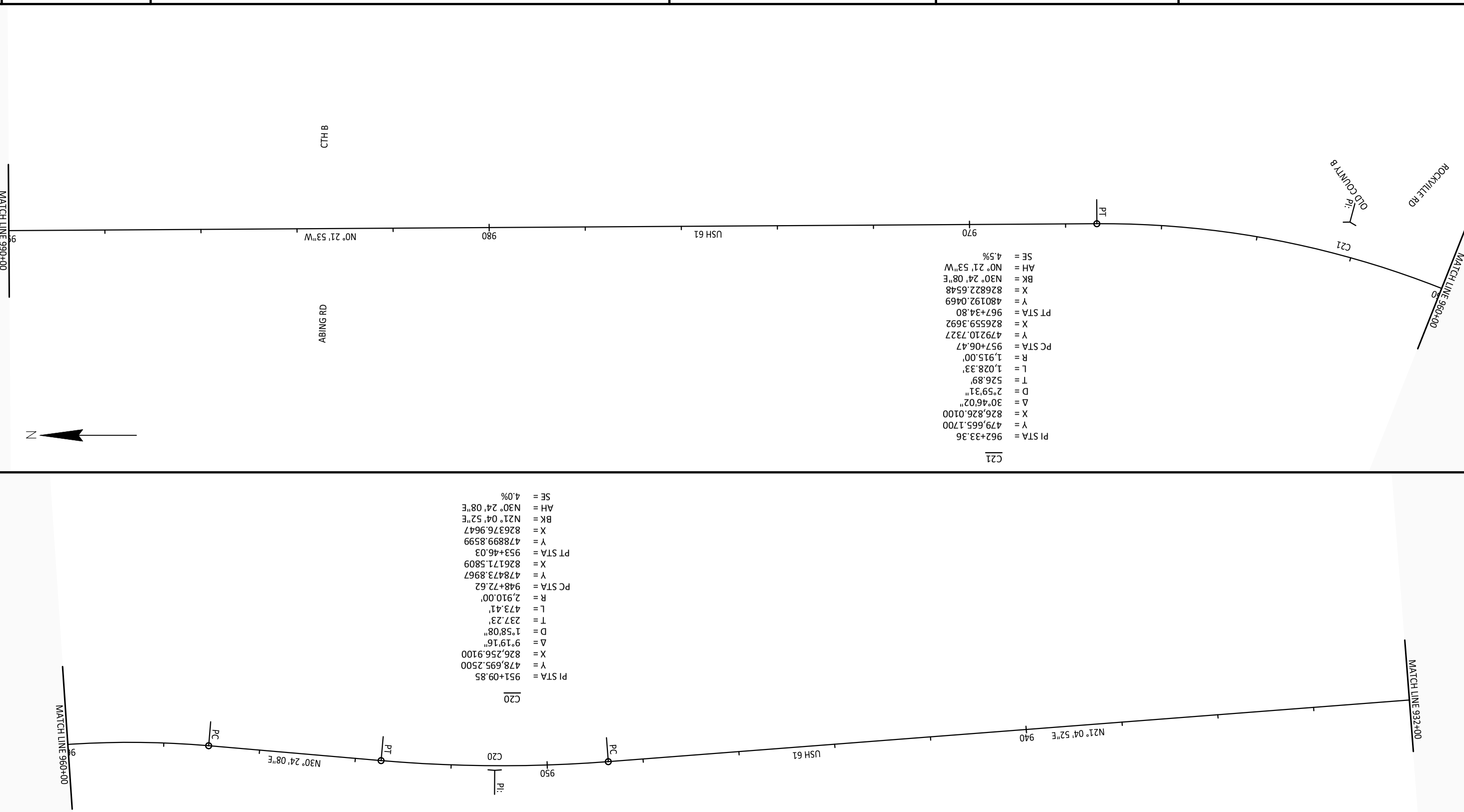


C17	
PI STA =	895+22.02
Y =	473,385.8400
X =	825,666.6600
Δ =	30°55'19"
D =	2°58'18"
T =	533.27'
L =	1,040.52'
R =	1,928.00'
PC STA =	889+88.76
Y =	472853.9732
X =	825628.0651
PT STA =	900+29.27
Y =	473861.9449
X =	825426.4600
BK =	N4° 09' 01"E
AH =	N26° 46' 17"W
SE =	5.0%

FILE NAME : \\SEHINC.COM\PANZNURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\S1-DRAWINGS\10-CIVIL\C3D\1650000?\SHEETSPLAN\1650060Z-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 08
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

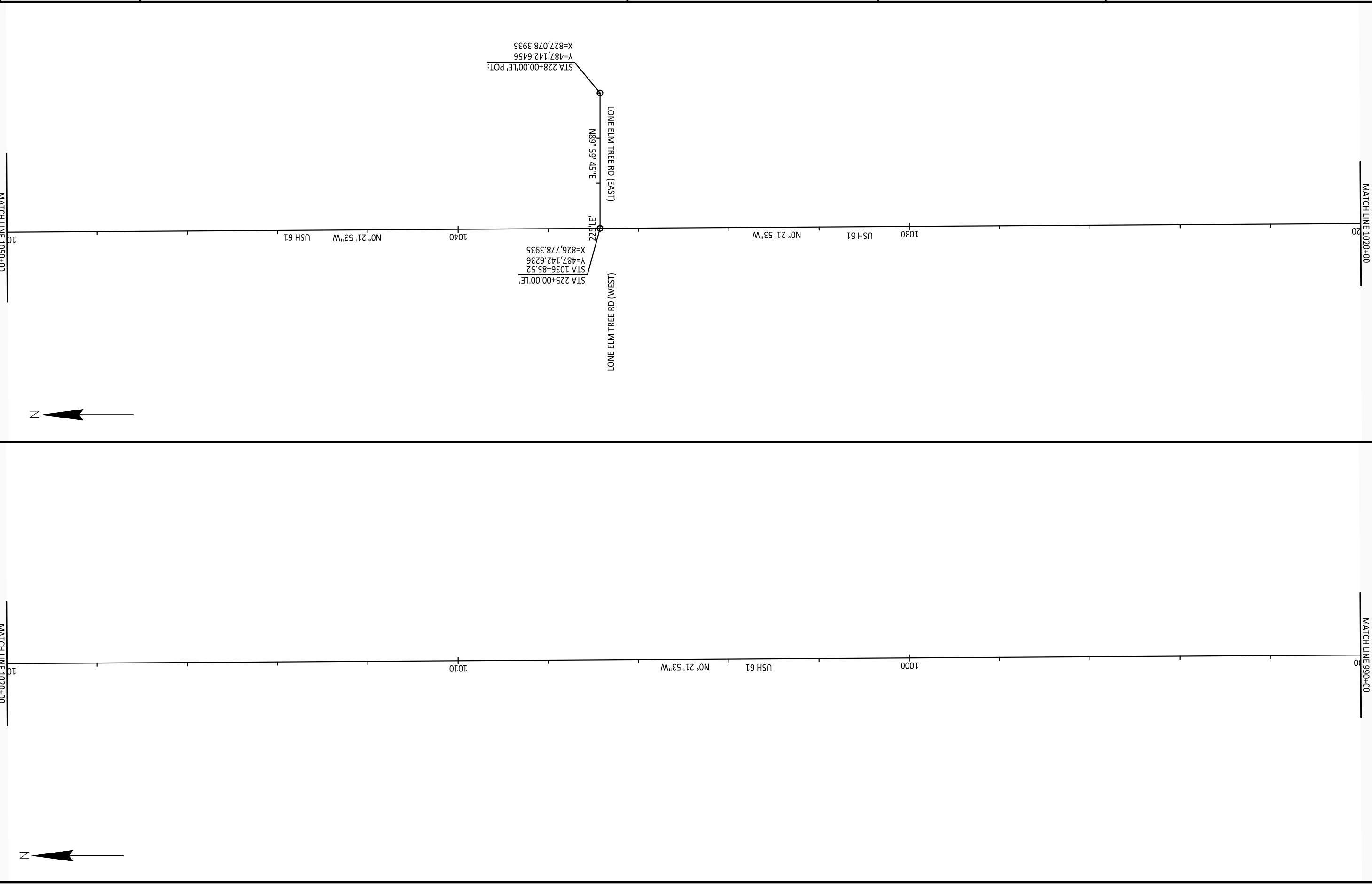
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	SHEET 46 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\S1-DRAWINGS\10-CIVIL\C3D\1650000_7\SHEETSPLAN\1650060Z-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 09
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42



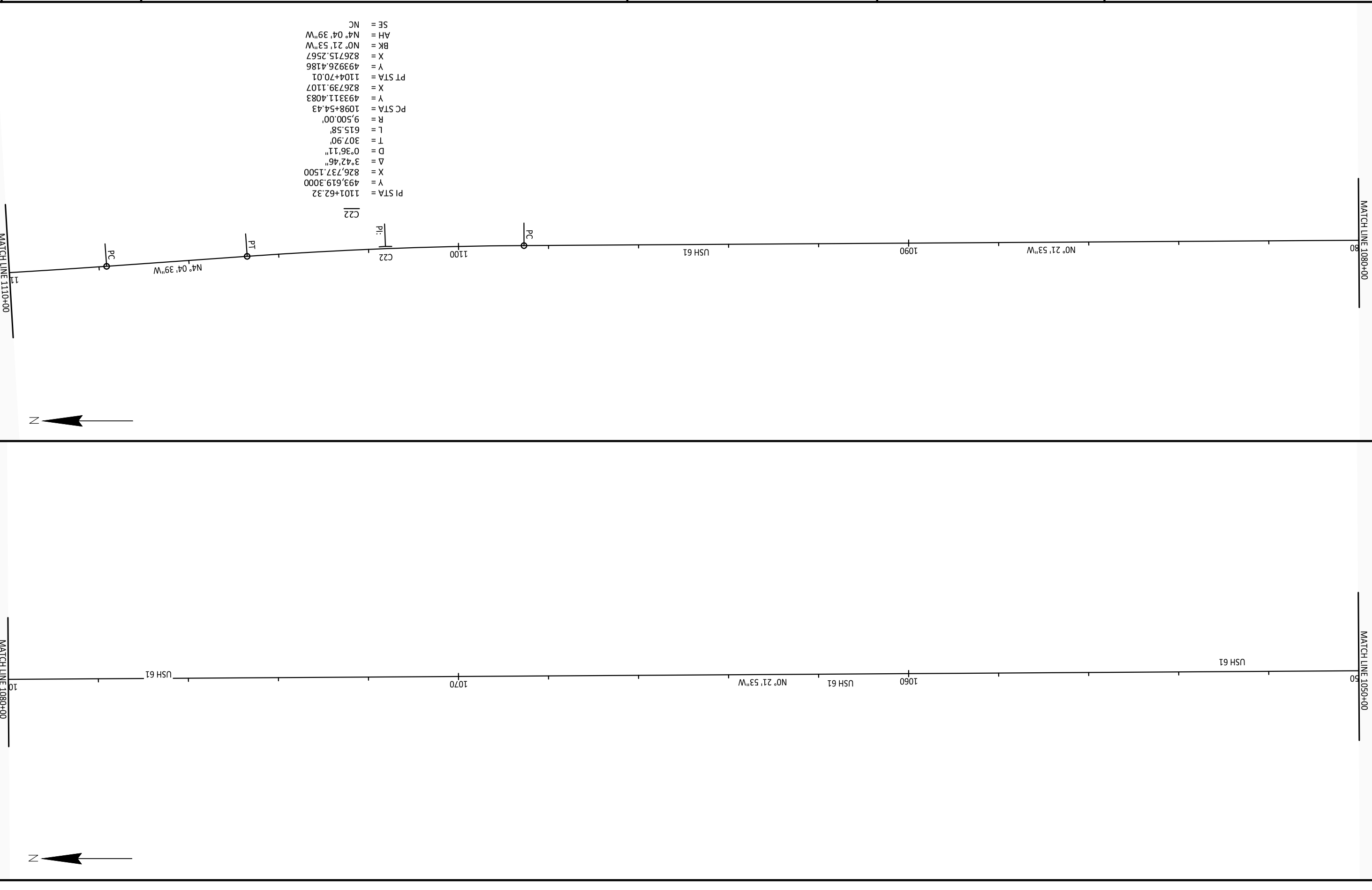
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	SHEET E
			PAGE 10 OF 16	47

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\S1-DRAWINGS\10-CIVIL\C3D\1650000\SHEETSPLAN\1650060-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:26 PM
PLOT BY : SEH
LAYOUT NAME : 10
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42



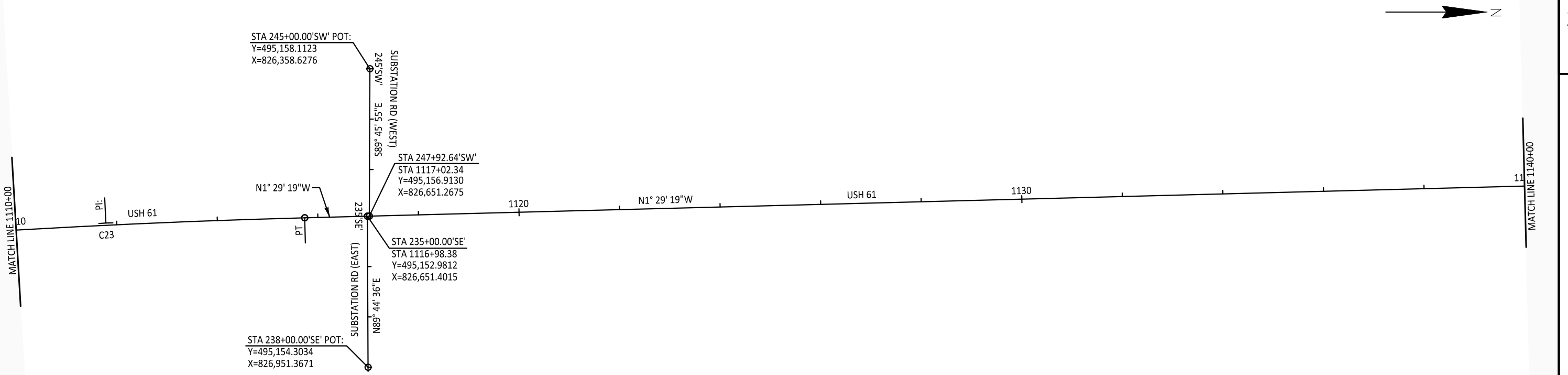
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 11 OF 16	SHEET 48	E

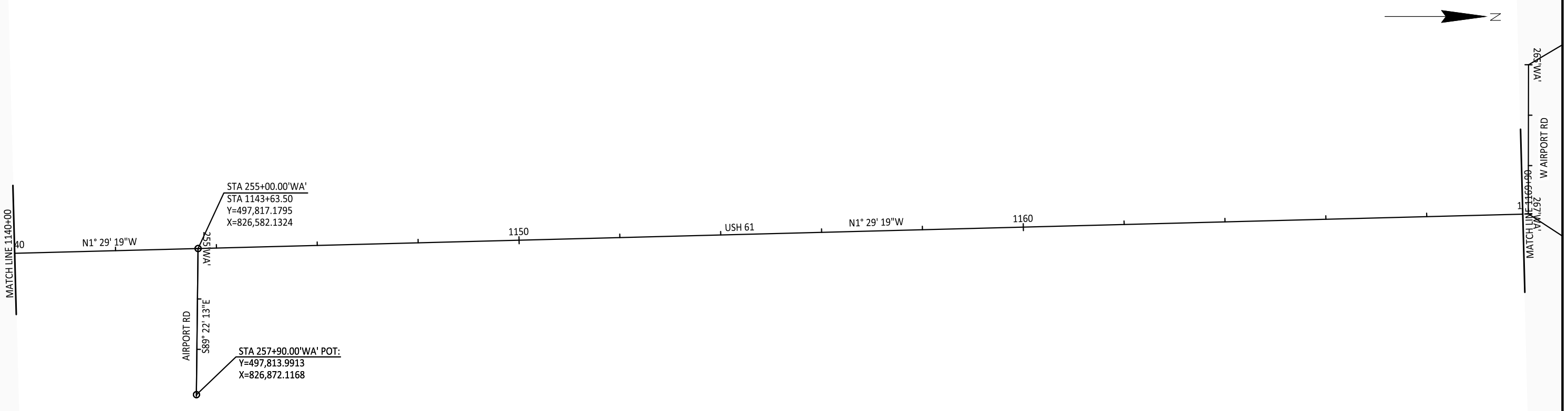
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\S1-DRAWINGS\10-CIVIL\C3D\1650000?\SHEETSPLAN\1650060Z-RD\027201_AD (ALI DETAIL).DWG
PLOT DATE : 7/22/2022 9:27 PM
PLOT BY : SEH
LAYOUT NAME : 11
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 42

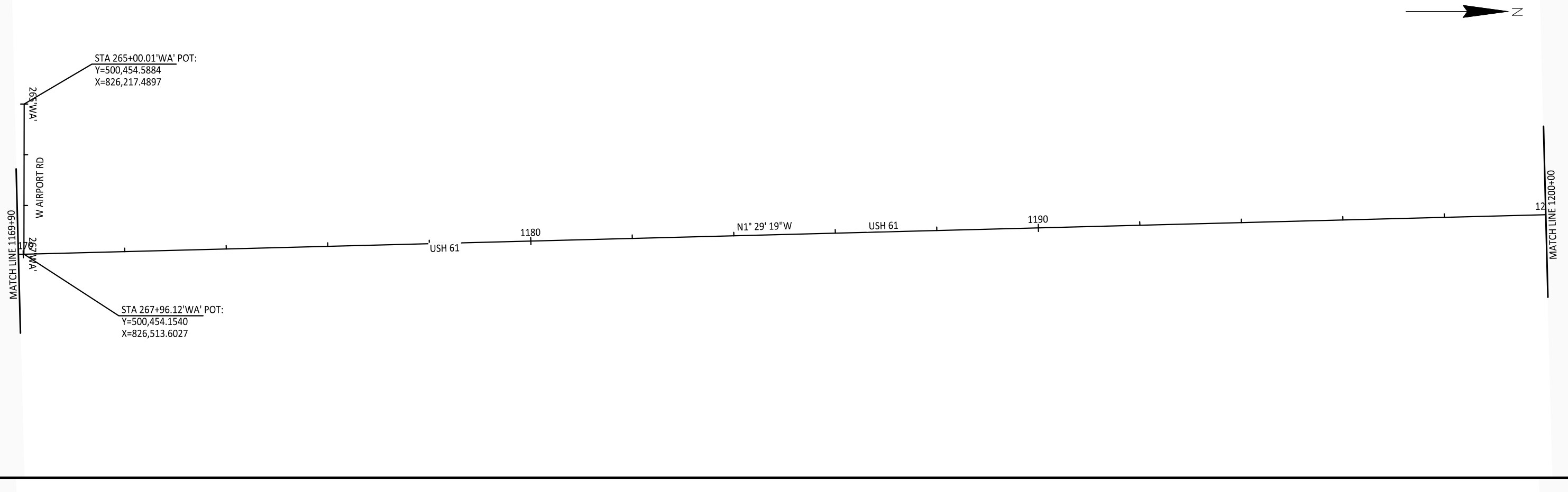


C22

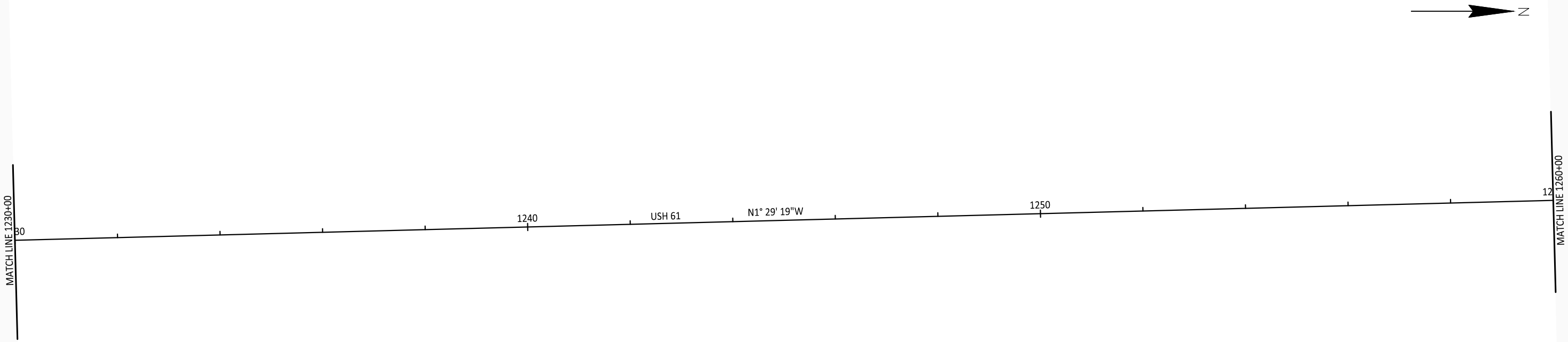
PI STA =	1101+62.32
Y =	493,619.3000
X =	826,737.1500
Δ =	3°42'46"
D =	0°36'11"
T =	307.90'
L =	615.58'
R =	9,500.00'
PC STA =	1098+54.43
Y =	493311.4083
X =	826739.1107
PT STA =	1104+70.01
Y =	493926.4186
X =	826715.2567
BK =	N0° 21' 53"W
AH =	N4° 04' 39"W
SE =	NC

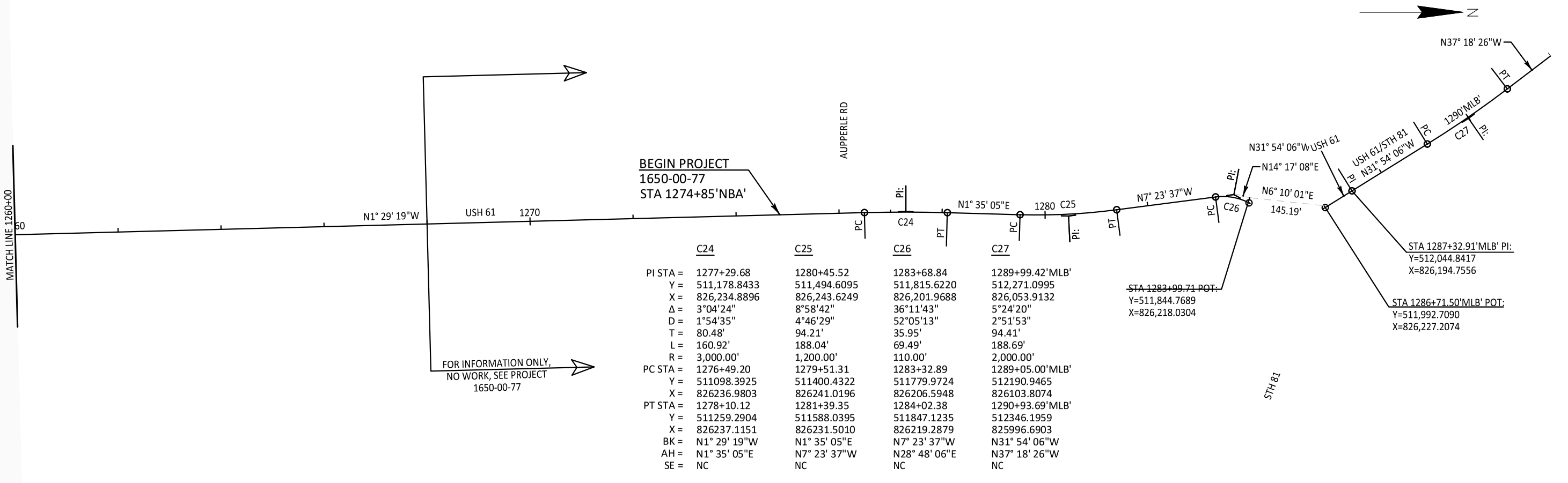

N
STA 245+00.00'SW' POT:
Y=495,158.1123
X=826,358.6276
245'SW'
S89° 45' 55"E 2685
SUBSTATION RD (WEST)
STA 247+92.64'SW'
STA 1117+02.34
Y=495,156.9130
X=826,651.2675
N1° 29' 19"W
MATCH LINE 1110+00
10
PI
C23
USH 61
PT
235'SE'
1120
N1° 29' 19"W
USH 61
1130
11
MATCH LINE 1140+00
STA 235+00.00'SE'
STA 1116+98.38
Y=495,152.9812
X=826,651.4015
SUBSTATION RD (EAST)
N89° 44' 36"E
STA 238+00.00'SE' POT:
Y=495,154.3034
X=826,951.3671


N
MATCH LINE 1140+00
40
N1° 29' 19"W
STA 255+00.00'WA'
STA 1143+63.50
Y=497,817.1795
X=826,582.1324
255'WA'
1150
USH 61
N1° 29' 19"W
1160
1
MATCH LINE 1160+00
267'WA'
W AIRPORT RD
AIRPORT RD
S89° 22' 13"E
STA 257+90.00'WA' POT:
Y=497,813.9913
X=826,872.1168


N
STA 265+00.01'WA' POT:
Y=500,454.5884
X=826,217.4897
265'WA'
W AIRPORT RD
267'WA'
MATCH LINE 1169+90
1170
USH 61
1180
N1° 29' 19"W
USH 61
1190
MATCH LINE 1200+00
STA 267+96.12'WA' POT:
Y=500,454.1540
X=826,513.6027
N
MATCH LINE 1200+00
1210
N1° 29' 19"W
USH 61
1220
STA 275+00.00'HH'
STA 1222+93.87
Y=505,744.8706
X=826,376.1076
275'HH'
N1° 29' 19"W
MATCH LINE 1230+00
HUDSON HOLLOW RD
N89° 33' 51"E
STA 277+75.00'HH' POT:
Y=505,746.9618
X=826,651.0997

2

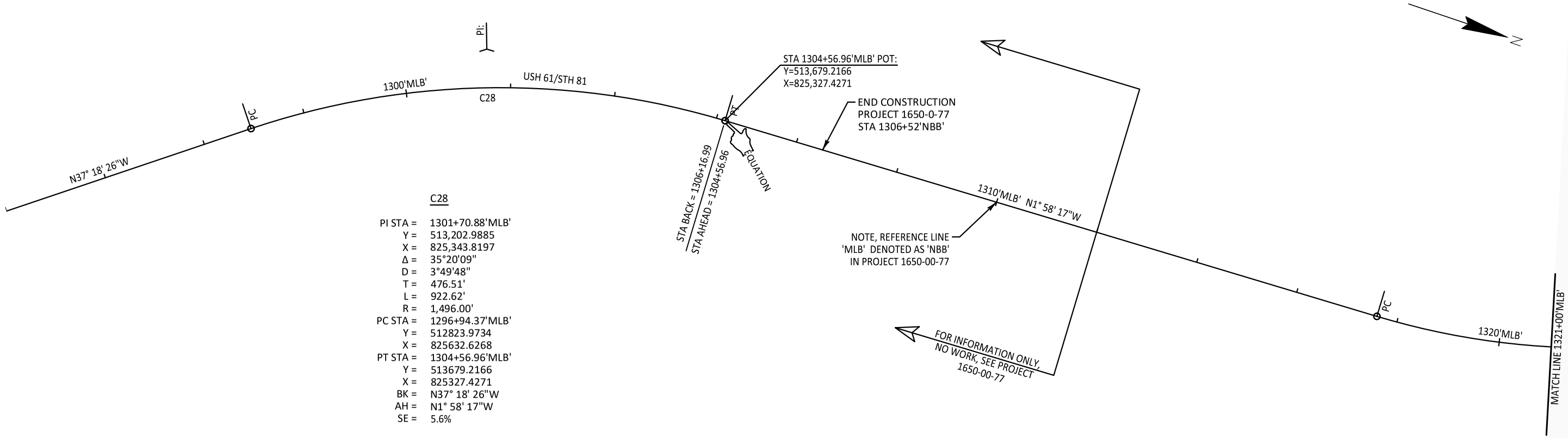




	C24	C25	C26	C27
PI STA =	1277+29.68	1280+45.52	1283+68.84	1289+99.42'MLB'
Y =	511,178.8433	511,494.6095	511,815.6220	512,271.0995
X =	826,234.8896	826,243.6249	826,201.9688	826,053.9132
Δ =	3°04'24"	8°58'42"	36°11'43"	5°24'20"
D =	1°54'35"	4°46'29"	52°05'13"	2°51'53"
T =	80.48'	94.21'	35.95'	94.41'
L =	160.92'	188.04'	69.49'	188.69'
R =	3,000.00'	1,200.00'	110.00'	2,000.00'
PC STA =	1276+49.20	1279+51.31	1283+32.89	1289+05.00'MLB'
Y =	511098.3925	511400.4322	511779.9724	512190.9465
X =	826236.9803	826241.0196	826206.5948	826103.8074
PT STA =	1278+10.12	1281+39.35	1284+02.38	1290+93.69'MLB'
Y =	511259.2904	511588.0395	511847.1235	512346.1959
X =	826237.1151	826231.5010	826219.2879	825996.6903
BK =	N1° 29' 19"W	N1° 35' 05"E	N7° 23' 37"W	N31° 54' 06"W
AH =	N1° 35' 05"E	N7° 23' 37"W	N28° 48' 06"E	N37° 18' 26"W
SE =	NC	NC	NC	NC

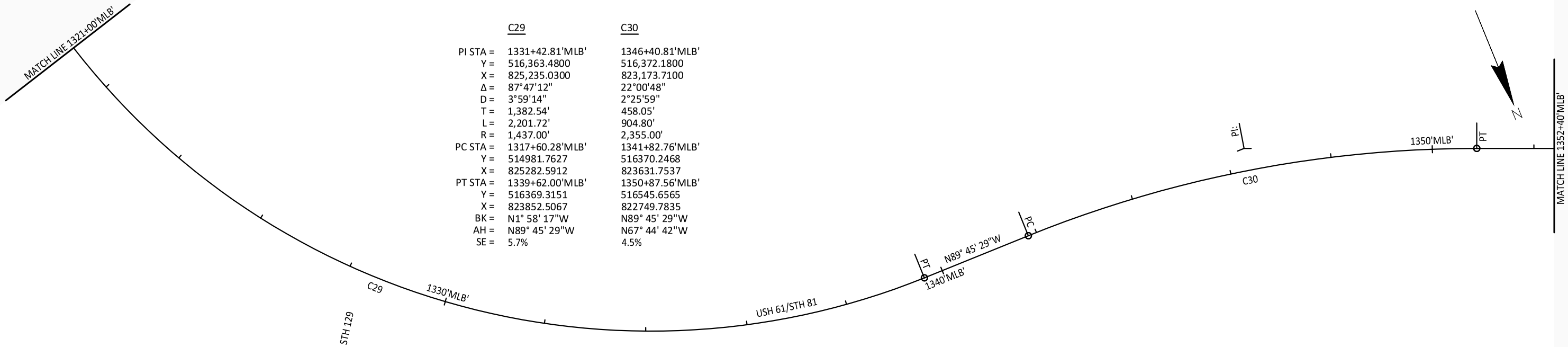
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 14 OF 16	SHEET 51 E

2



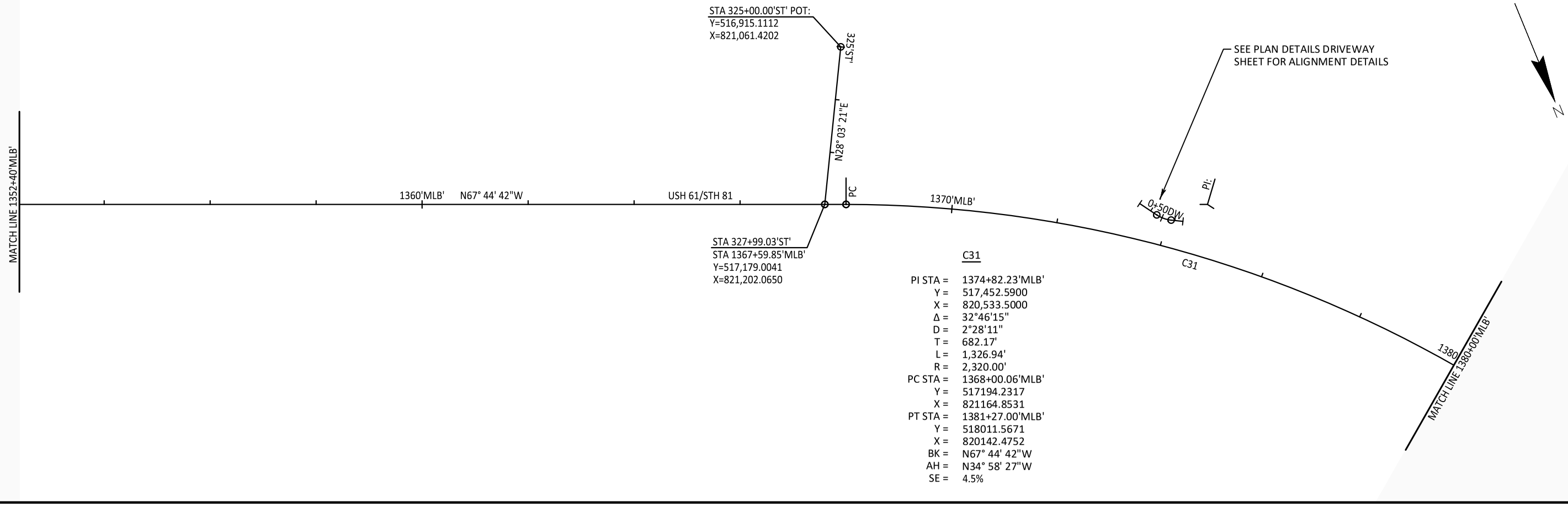
C28

PI STA =	1301+70.88'MLB'
Y =	513,202.9885
X =	825,343.8197
Δ =	35°20'09"
D =	3°49'48"
T =	476.51'
L =	922.62'
R =	1,496.00'
PC STA =	1296+94.37'MLB'
Y =	512823.9734
X =	825632.6268
PT STA =	1304+56.96'MLB'
Y =	513679.2166
X =	825327.4271
BK =	N37° 18' 26"W
AH =	N1° 58' 17"W
SE =	5.6%



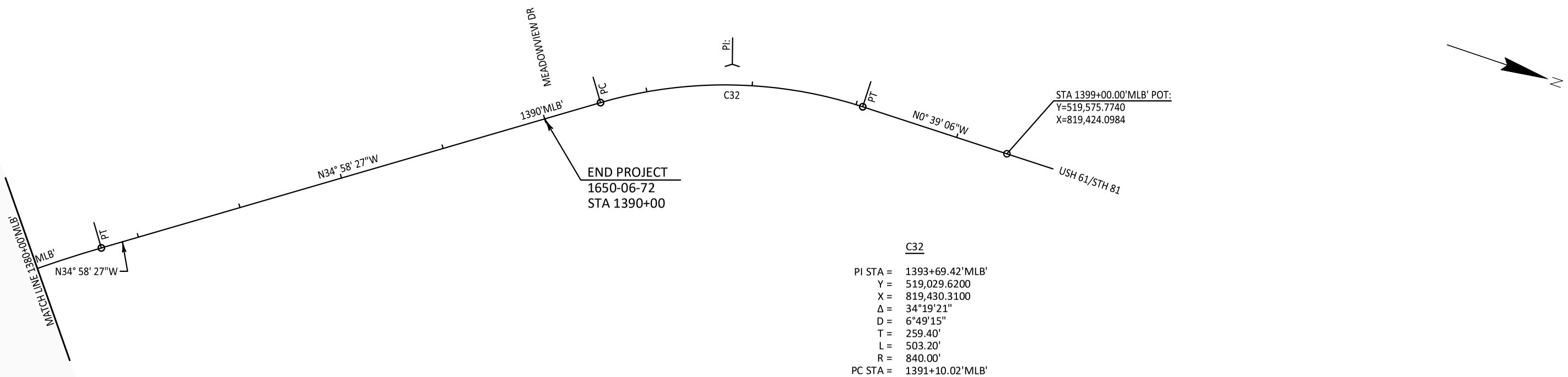
	C29	C30
PI STA =	1331+42.81'MLB'	1346+40.81'MLB'
Y =	516,363.4800	516,372.1800
X =	825,235.0300	823,173.7100
Δ =	87°47'12"	22°00'48"
D =	3°59'14"	2°25'59"
T =	1,382.54'	458.05'
L =	2,201.72'	904.80'
R =	1,437.00'	2,355.00'
PC STA =	1317+60.28'MLB'	1341+82.76'MLB'
Y =	514981.7627	516370.2468
X =	825282.5912	823631.7537
PT STA =	1339+62.00'MLB'	1350+87.56'MLB'
Y =	516369.3151	516545.6565
X =	823852.5067	822749.7835
BK =	N1° 58' 17"W	N89° 45' 29"W
AH =	N89° 45' 29"W	N67° 44' 42"W
SE =	5.7%	4.5%

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 15 OF 16	SHEET 52 E



C31

PI STA =	1374+82.23'MLB'
Y =	517,452.5900
X =	820,533.5000
Δ =	32°46'15"
D =	2°28'11"
T =	682.17'
L =	1,326.94'
R =	2,320.00'
PC STA =	1368+00.06'MLB'
Y =	517194.2317
X =	821164.8531
PT STA =	1381+27.00'MLB'
Y =	518011.5671
X =	820142.4752
BK =	N67° 44' 42"W
AH =	N34° 58' 27"W
SE =	4.5%



C32

PI STA =	1393+69.42'MLB'
Y =	519,029.6200
X =	819,430.3100
Δ =	34°19'21"
D =	6°49'15"
T =	259.40'
L =	503.20'
R =	840.00'
PC STA =	1391+10.02'MLB'
Y =	518817.0636
X =	819579.0010
PT STA =	1396+13.21'MLB'
Y =	519289.0049
X =	819427.3599
BK =	N34° 58' 27"W
AH =	N0° 39' 06"W
SE =	4.5%

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT DETAILS	PAGE 16 OF 16	SHEET 53 E

2

CP 227
460+54.40, 26.30' LT
X=848102.768
Y=444150.034
Z=952.479

PC: 461+87.20

1. ALLIANT ENERGY PK NAIL E/S
2. NO PARKING SIGN PK NAIL W/S
3. PK NAIL W/S

CP 226
469+44.29, 68.64' LT
X=847292.133
Y=444548.960
Z=957.357

PT: 469+45.63

1. PK NAIL IN S/S OF WOOD POST FOR STOP SIGN
2. 3/4"" REBAR
3. WISDOT SURVEY MARKER

CP 225
478+82.45, 35.25' RT
X=846660.329
Y=445250.285
Z=949.137

CP 224
492+34.50, 51.79' LT
X=845592.450
Y=446084.101
Z=939.040

1. 3/4" REBAR
2. PK NAIL E/S PP
3. 3/4" REBAR

CP 223
502+86.70, 44.38' RT
X=844870.366
Y=446855.437
Z=907.905

PC: 503+16.17

CP 222
514+61.75, 20.73' RT
X=843831.911
Y=447414.378
Z=850.837

CP 221
530+85.23, 59.37' LT
X=842317.732
Y=448029.259
Z=771.940

CP 220
544+18.91, 19.75' RT
X=841675.105
Y=449207.526
Z=718.110

CP 219
553+33.76, 19.53' RT
X=841065.776
Y=449879.539
Z=691.690

CP 218
560+56.72, 18.68' RT
X=840349.490
Y=449977.349
Z=670.070

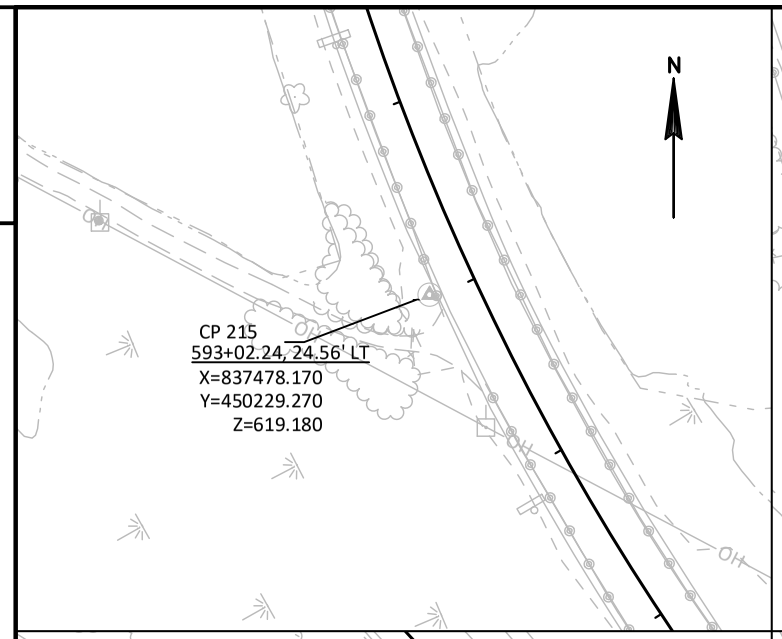
CP 217
575+72.40, 20.59' LT
X=838922.770
Y=449452.630
Z=644.440

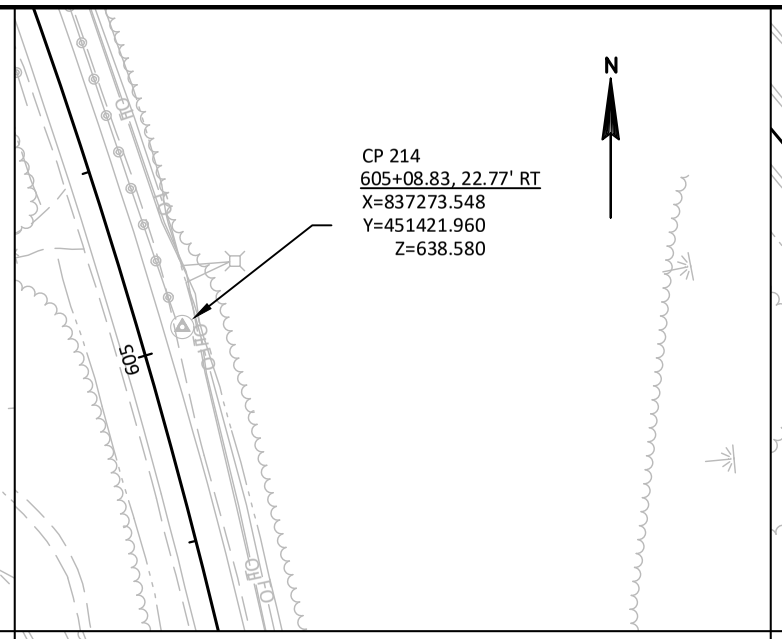
CP 216
583+62.92, 34.89' LT
X=838133.987
Y=449554.720
Z=623.360

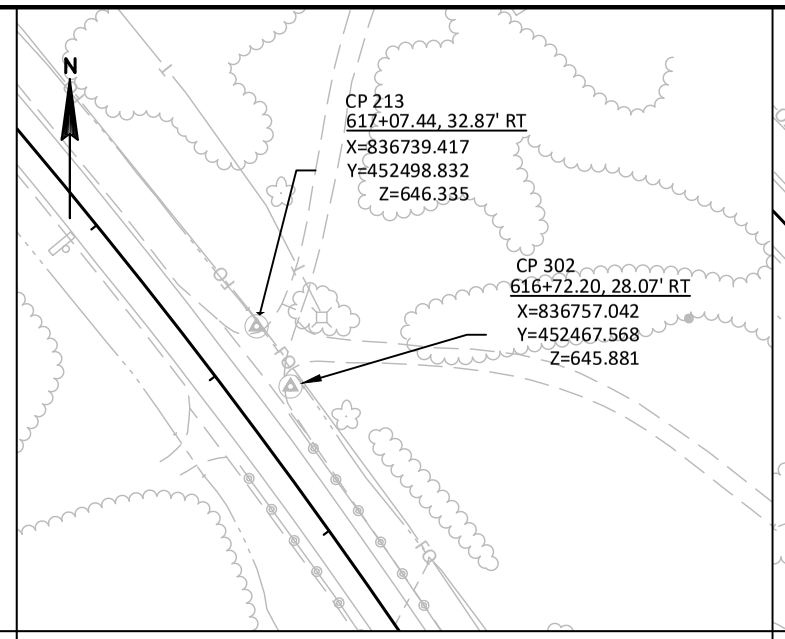
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 54 E

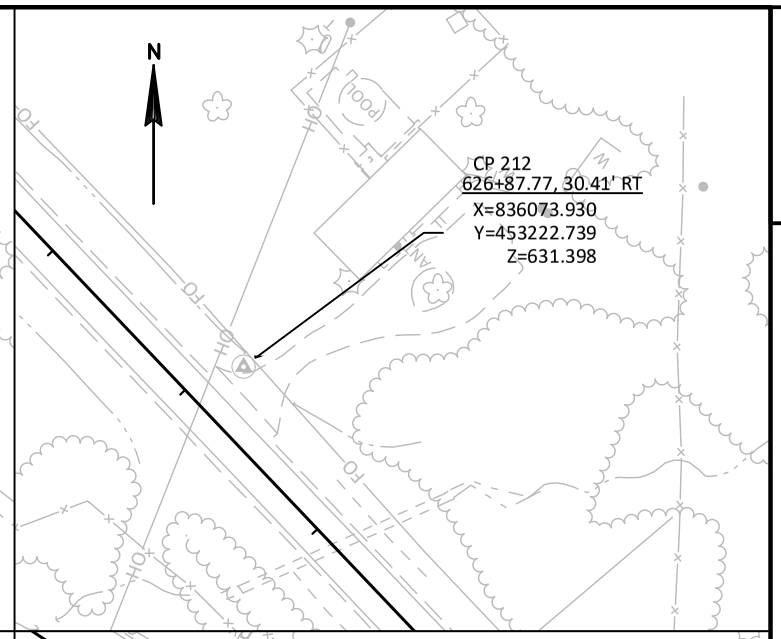
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027401_CP (CONTROL POINT DETAILS).DWG PLOT DATE : 7/22/2022 9:32 PM
LAYOUT NAME - 027401_CP (CONTROL POINT DETAILS) - 01
PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

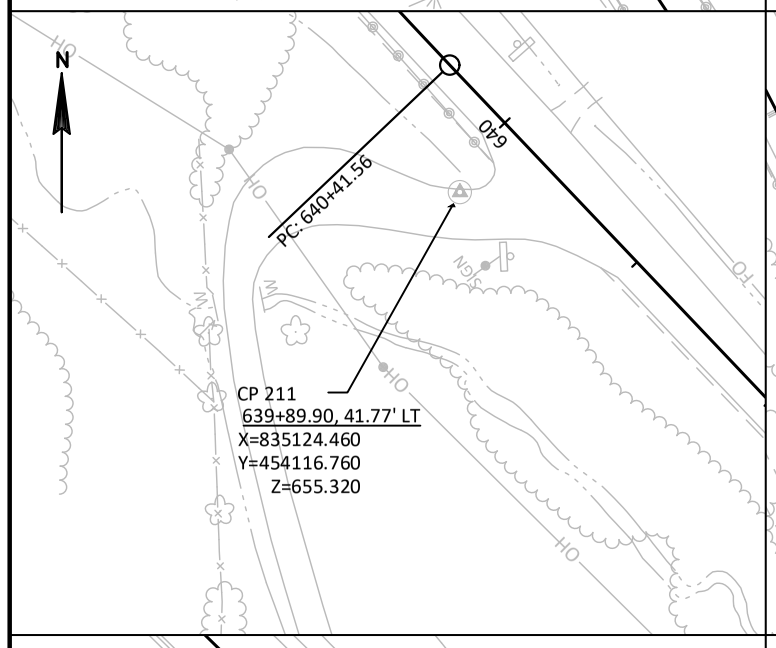
2

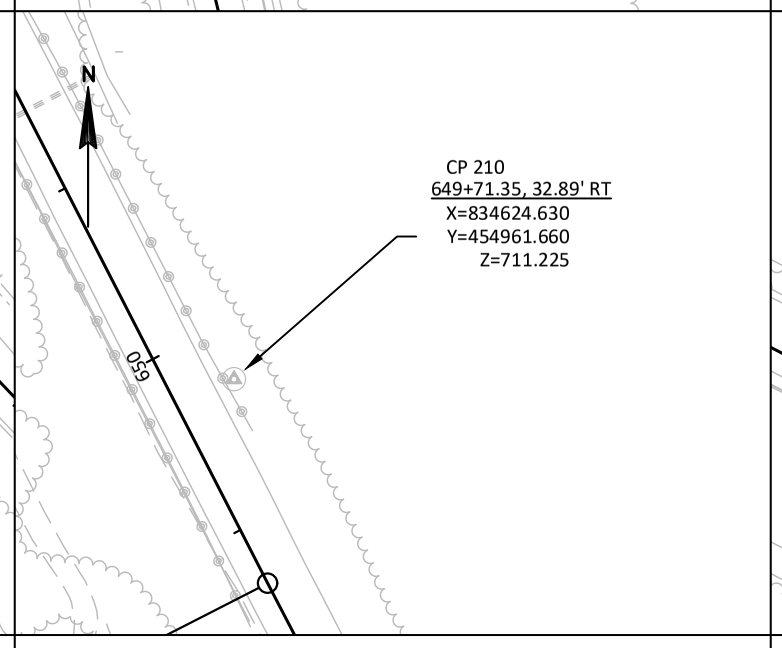


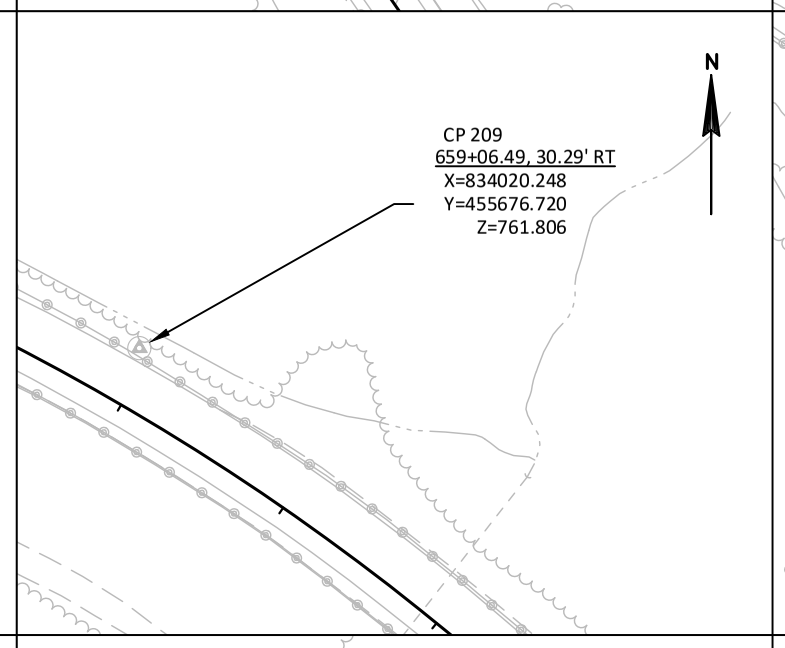


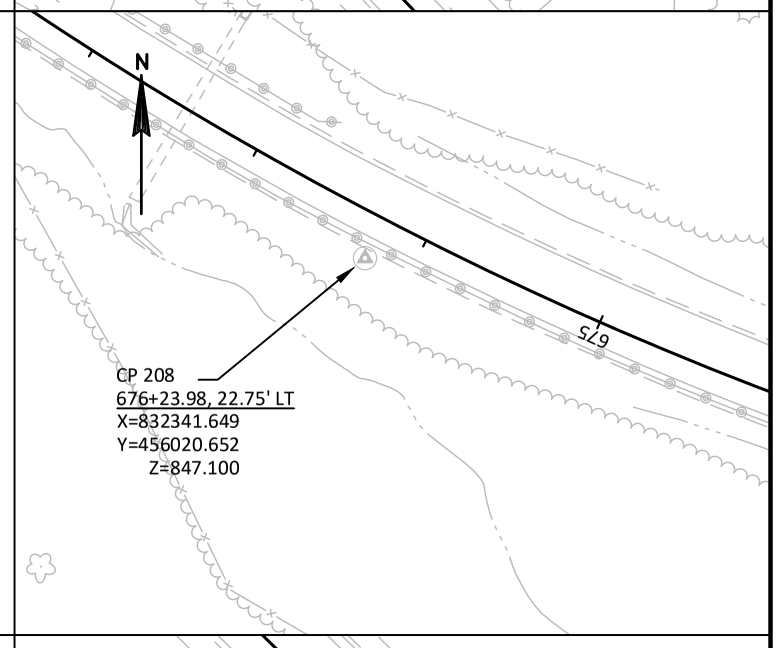


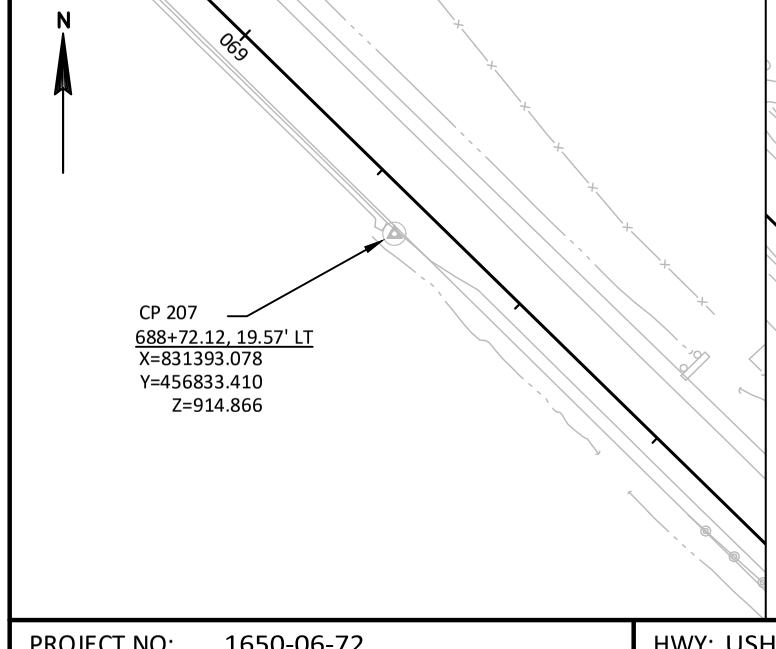


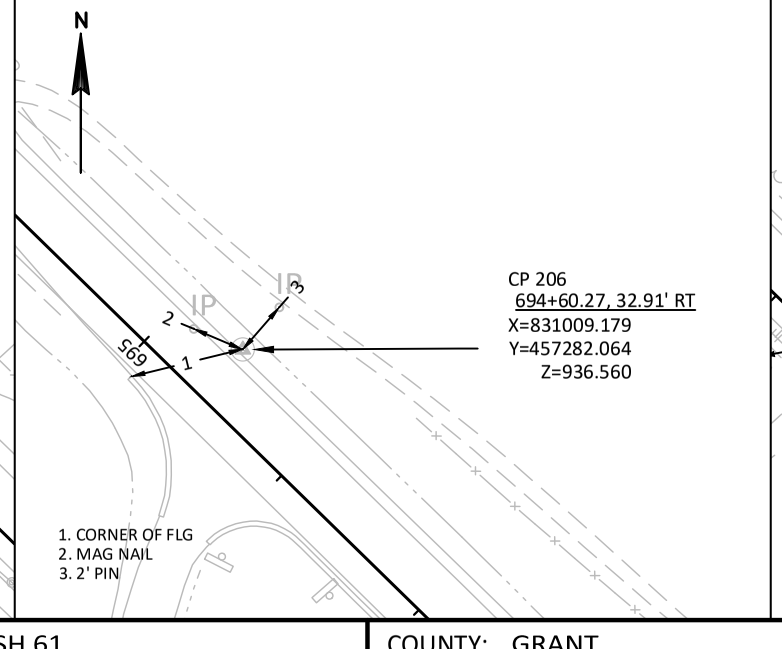


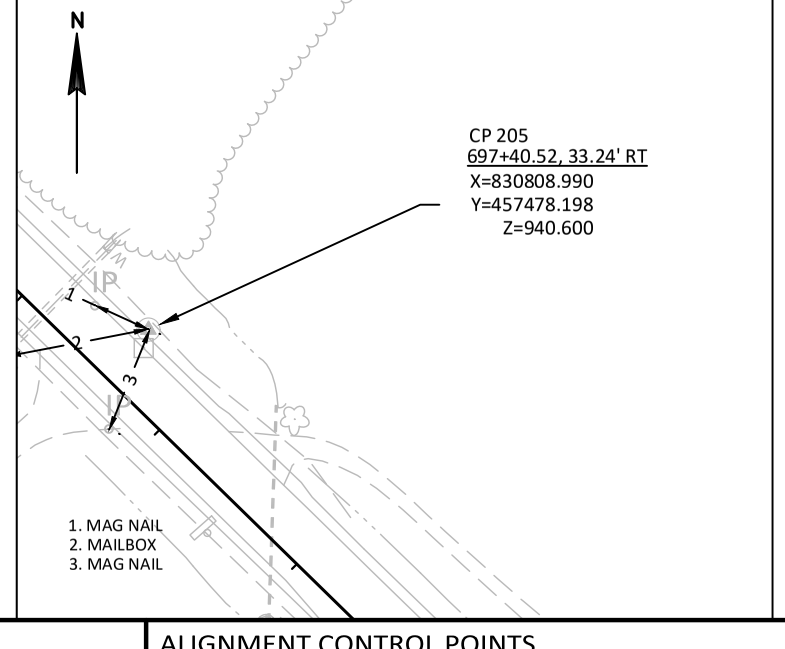


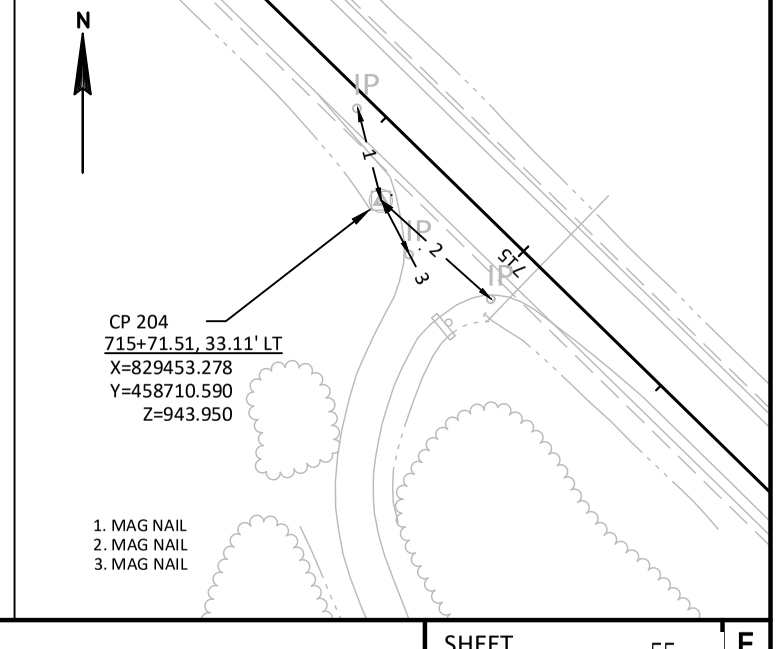












PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 55 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027401_CP (CONTROL POINT DETAILS).DWG PLOT DATE : 7/22/2022 9:35 PM
LAYOUT NAME - 027401_CP (CONTROL POINT DETAILS) - 02
PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

2

CP 203
721+27.98, 19.25' LT
X=829064.994
Y=459109.516
Z=955.650

1. MAG NAIL
2. SIGN
3. SIGN

CP 202
735+30.71, 36.49' LT
X=828111.225
Y=460142.813
Z=965.485

1. MAG NAIL
2. SIGN "WAYSIDE"
3. STOP SIGN

CP 201
752+66.57, 20.00' LT
X=827426.410
Y=461743.320
Z=984.760

1. MAG NAIL
2. MAG NAIL
3. MAG NAIL

CP 200
763+43.31, 36.70' RT
X=827435.168
Y=462818.805
Z=986.900

1. MAG NAIL
2. MAG NAIL
3. PP #8038

CP 199
773+90.36, 55.31' RT
X=827209.841
Y=463851.487
Z=985.528

1. STOP SIGN
2. EDGE OF FLG
3. EDGE OF FLG

CP 198
777+86.97, 25.84' RT
X=826957.940
Y=464163.650
Z=985.214

1. EDGE OF FLG
2. MAG NAIL
3. PP

CP 197
786+23.35, 27.73' RT
X=826311.759
Y=464694.810
Z=989.480

1. BUILDING CORNER
2. O.L.P.
3. 2' PIN

CP 196
795+90.21, 25.37' LT
X=825344.550
Y=464803.103
Z=992.261

1. SIGN
2. MW
3. SIGN

PT: 807+51.50

CP 195
806+65.92, 37.95' LT
X=824486.953
Y=465454.290
Z=993.250

1. SIGN
2. INLET
3. PP #3-3-35.4

CP 194
816+56.98, 30.99' RT
X=824045.485
Y=466345.813
Z=997.950

1. MH
2. SIGN POLE
3. PP

CP 193
828+06.96, 57.37' LT
X=823436.720
Y=467333.429
Z=989.520

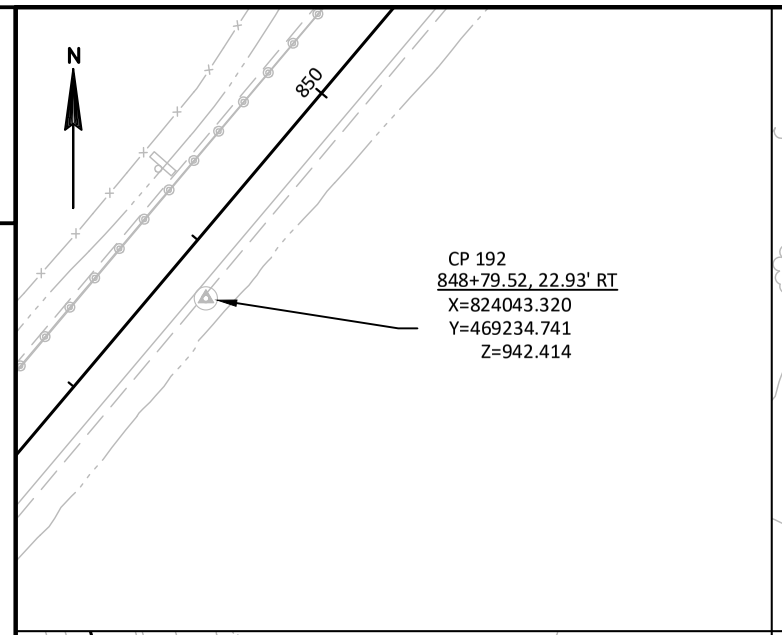
1. 15" TREE
2. MAG NAIL
3. SIGN

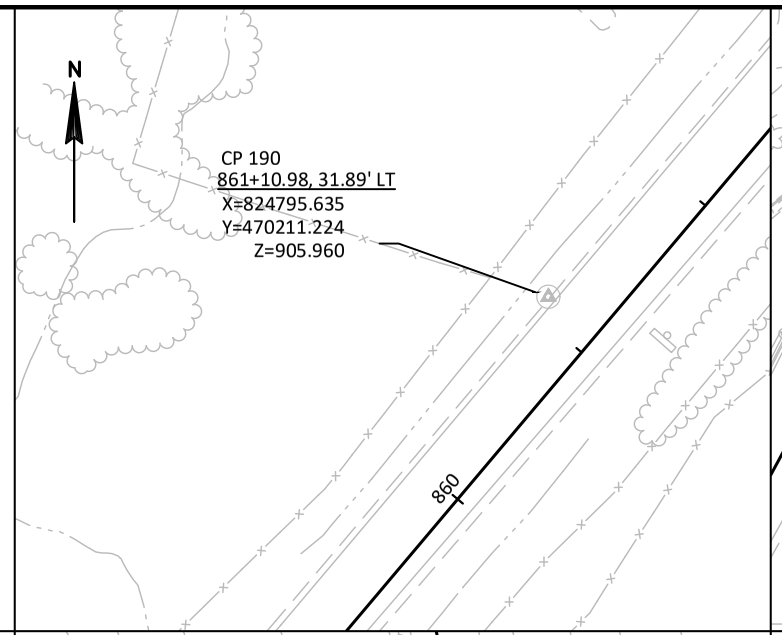
CP 191
839+63.28, 67.37' LT
X=823467.382
Y=468509.013
Z=982.850

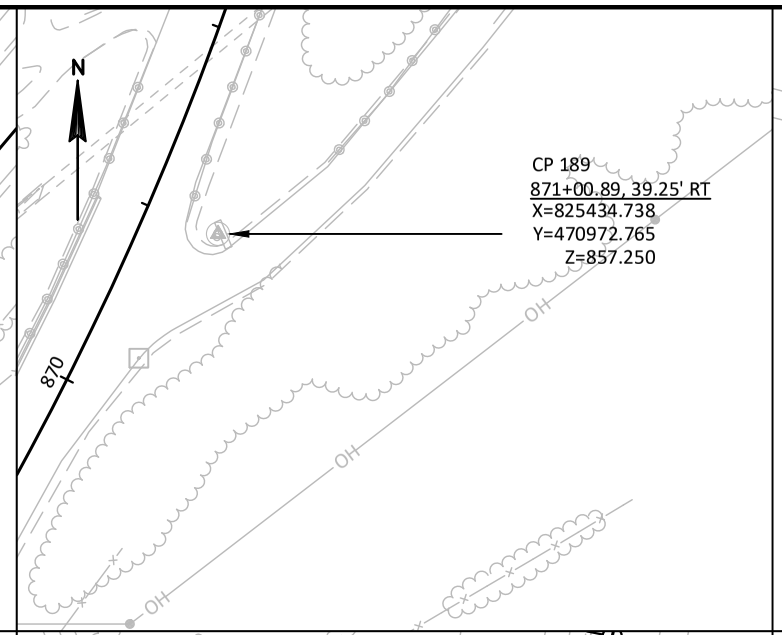
1. END OF CURB
2. SIGN
3. SIGN

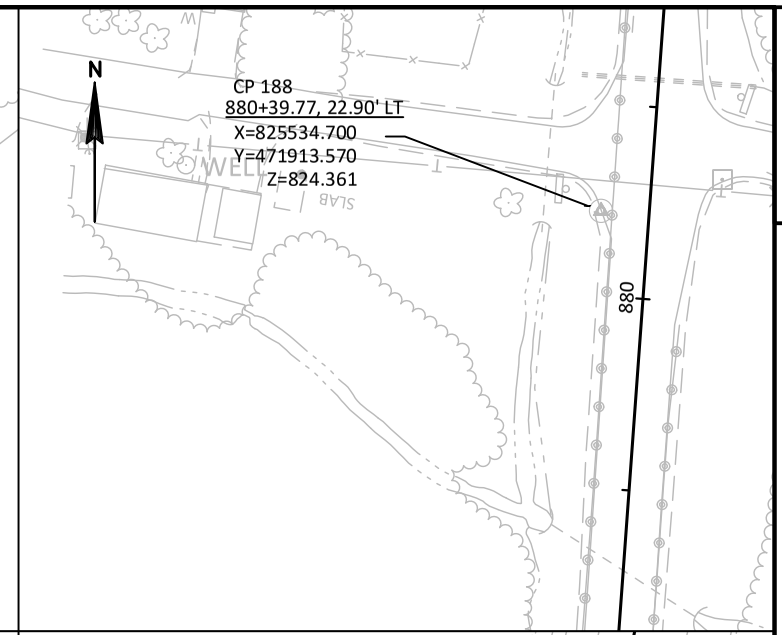
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 56 E

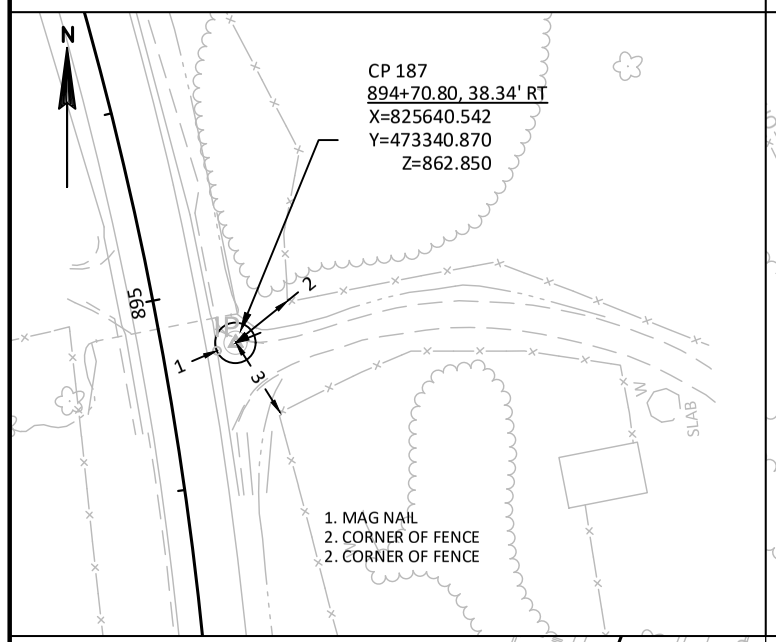
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027401_CP (CONTROL POINT DETAILS).DWG PLOT DATE : 7/22/2022 9:39 PM
LAYOUT NAME - 027401_CP (CONTROL POINT DETAILS) - 03
PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1" = 100'_XREF
WISDOT/CADDS SHEET 42

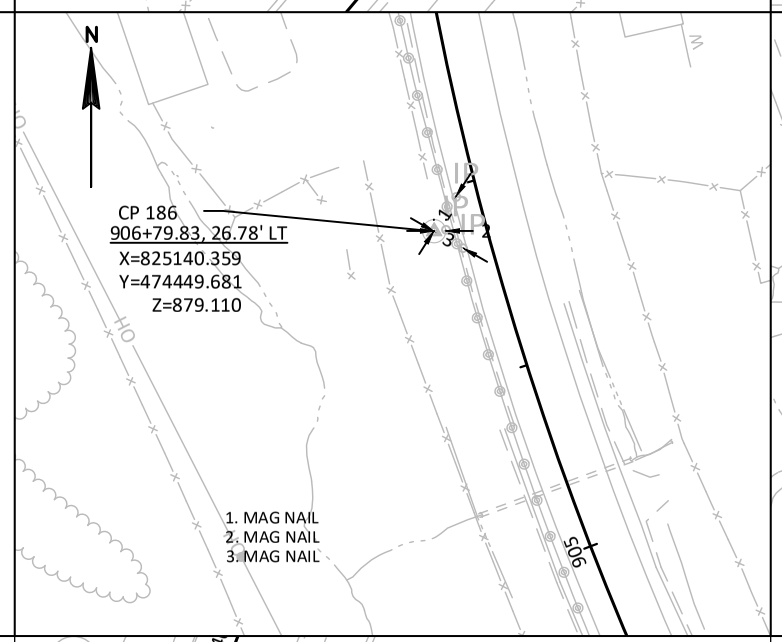


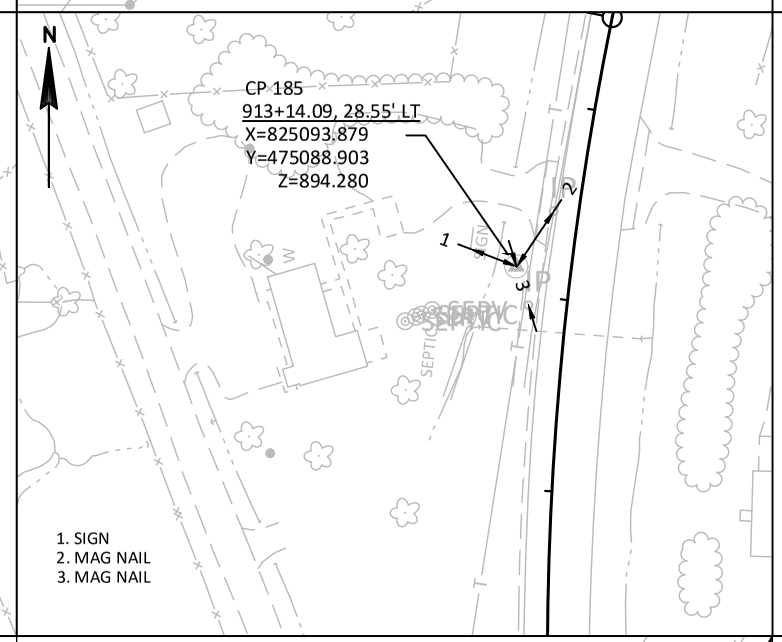


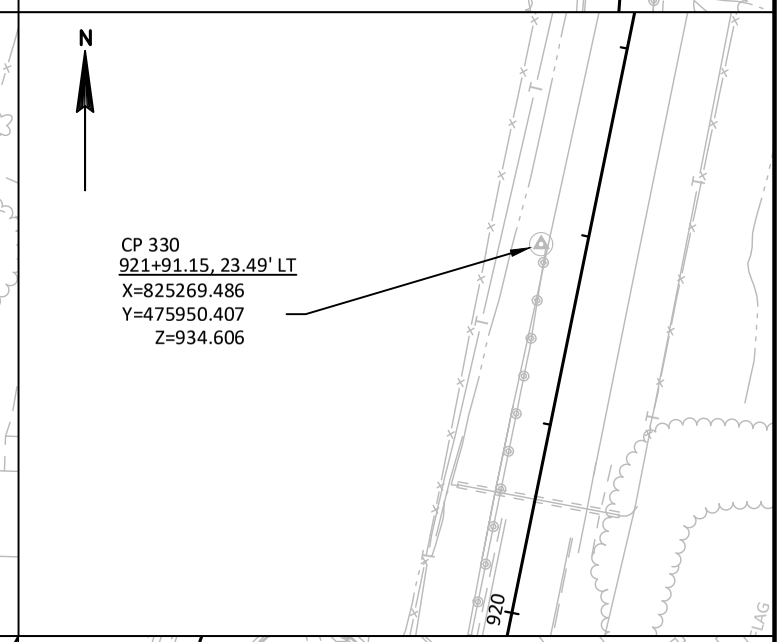


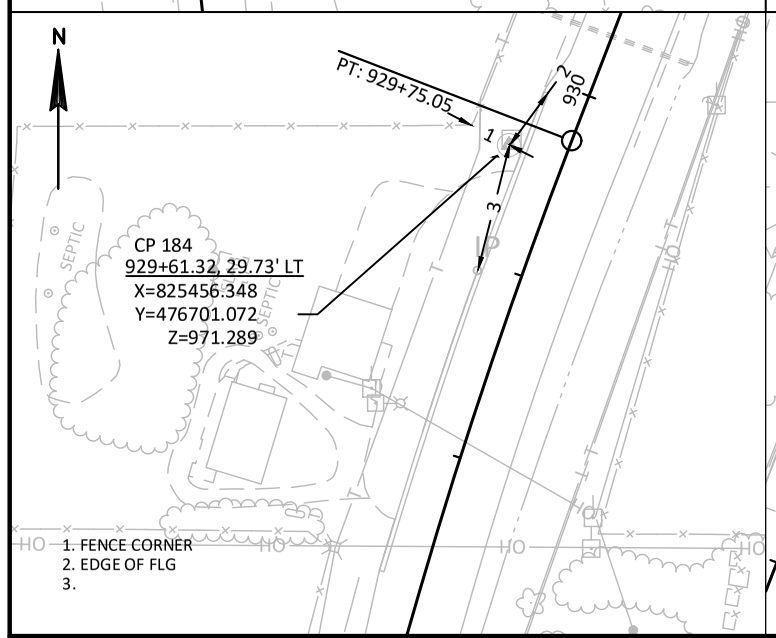


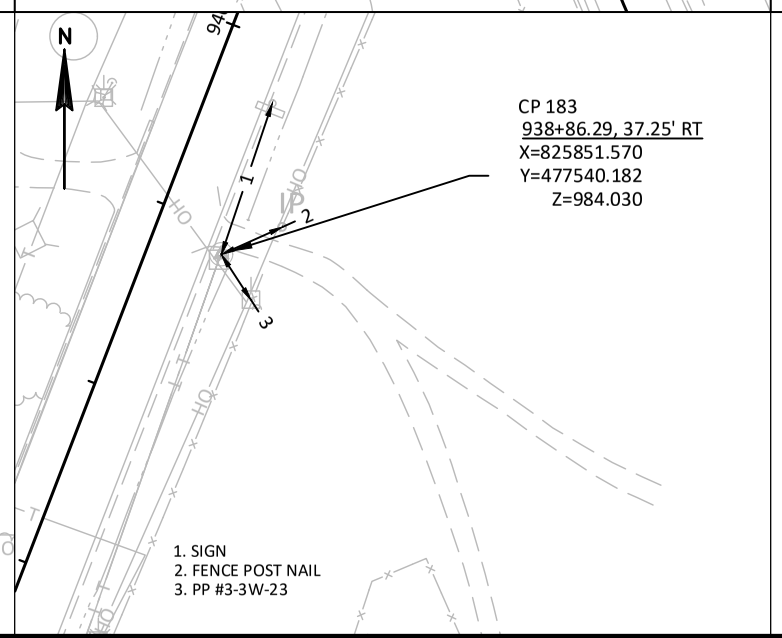


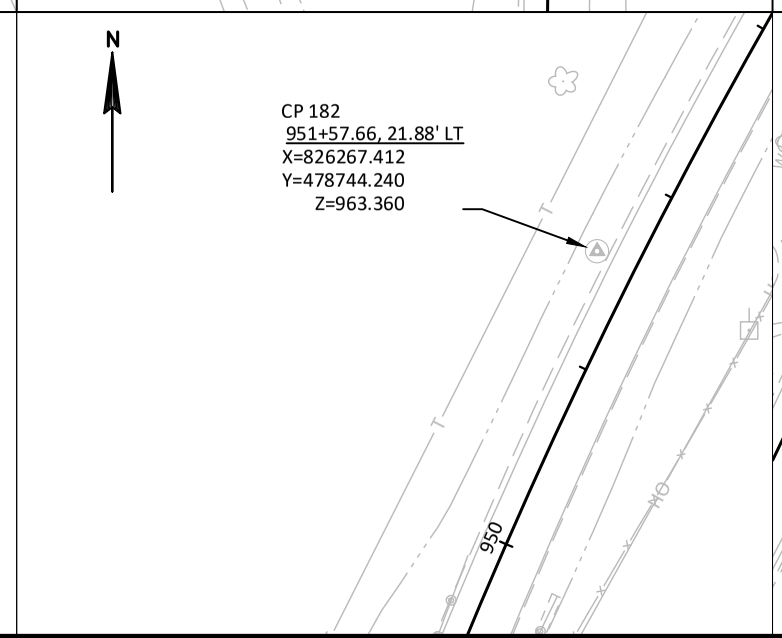


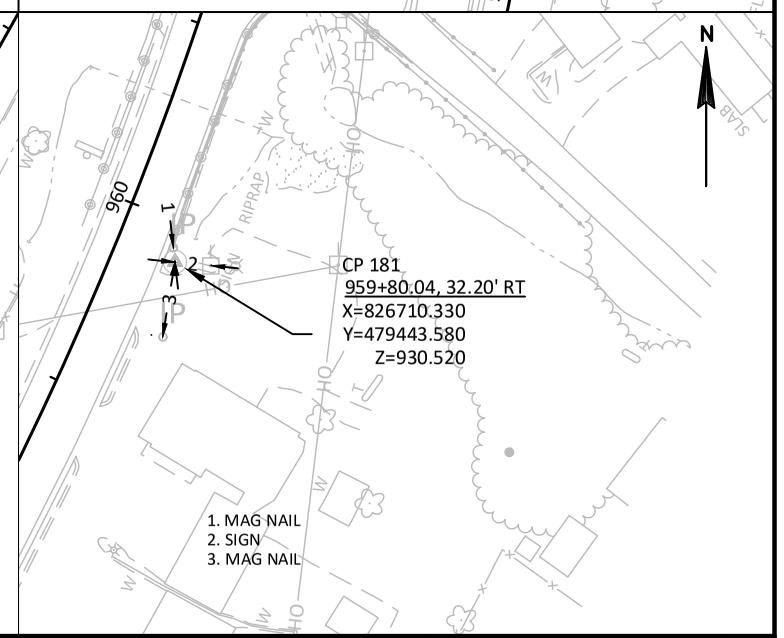








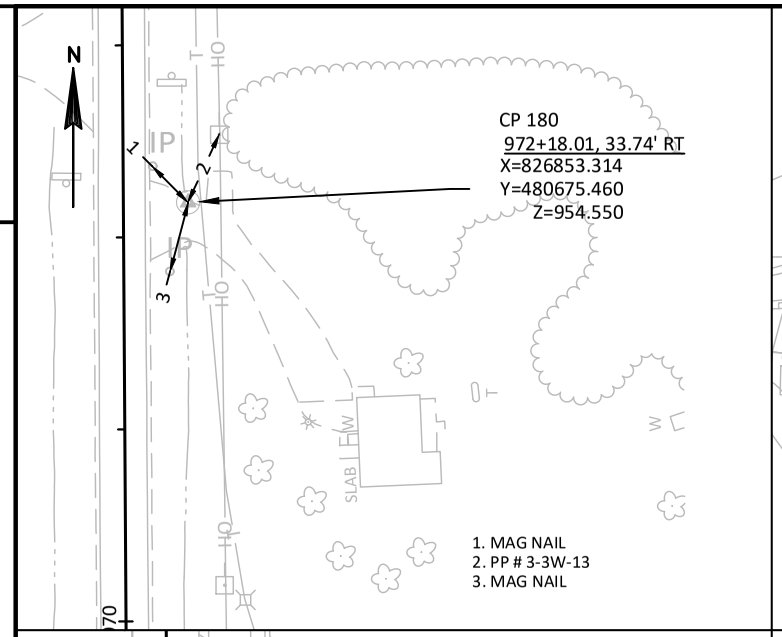


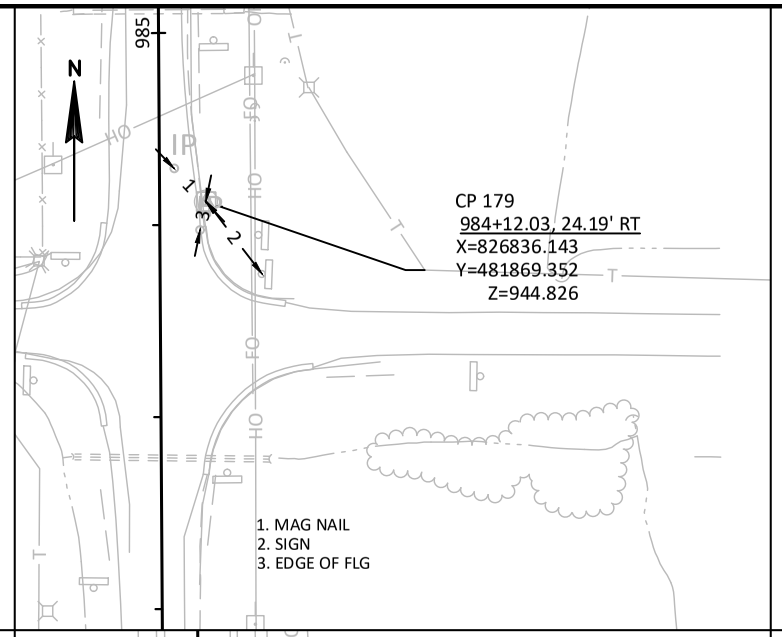


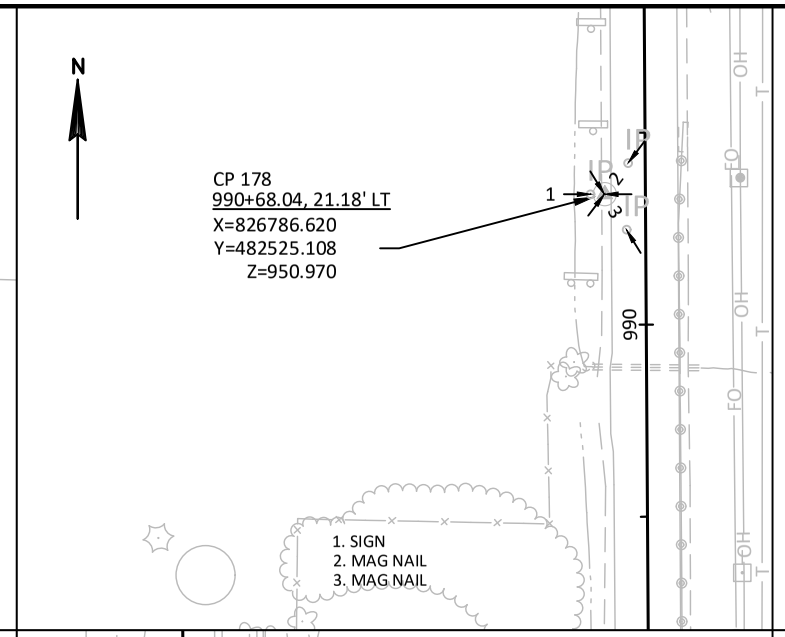
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 57 E

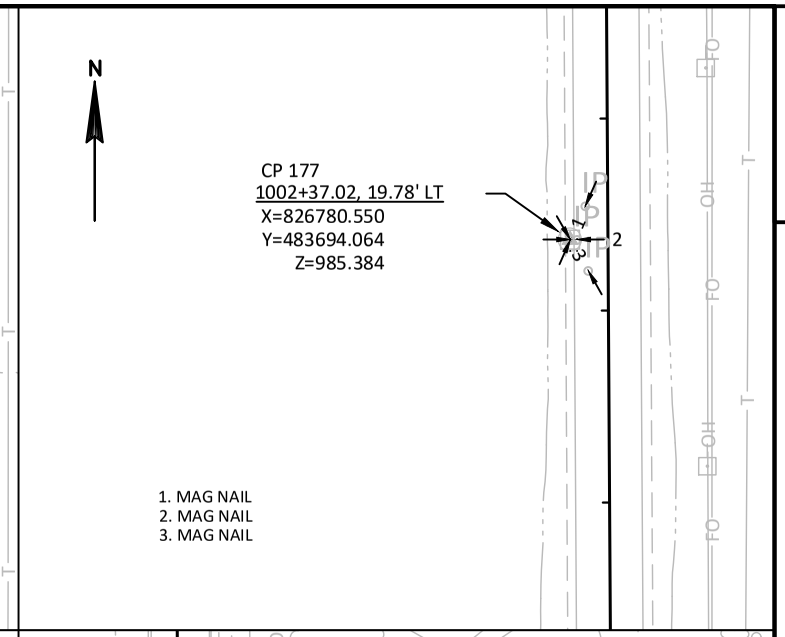
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027401_CP (CONTROL POINT DETAILS).DWG PLOT DATE : 7/22/2022 9:43 PM
LAYOUT NAME - 027401_CP (CONTROL POINT DETAILS) - 04
PLOT BY : SEH
LAYOUT NAME : 04
PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

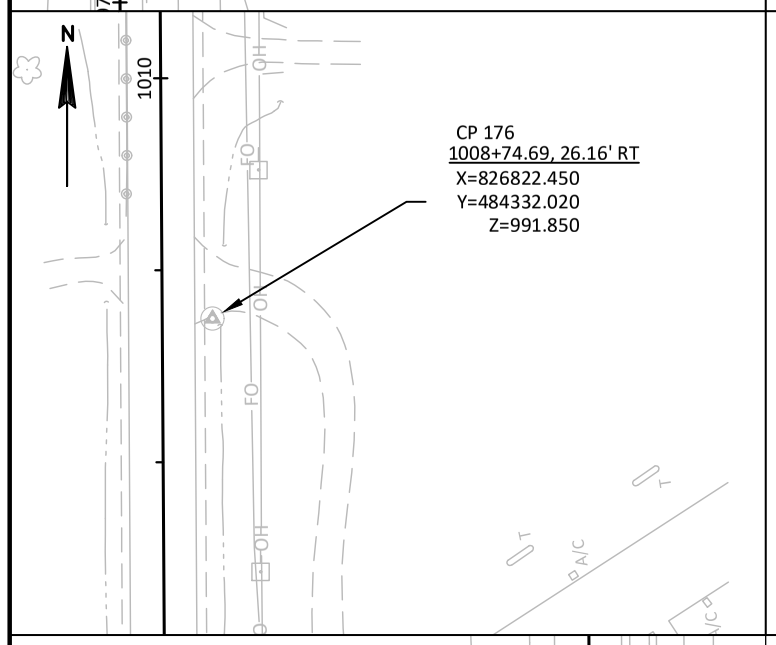


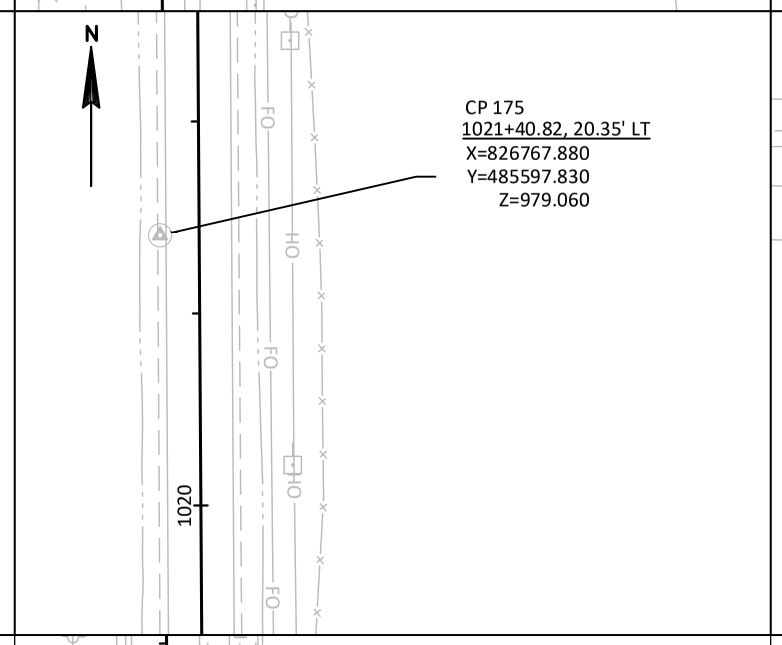


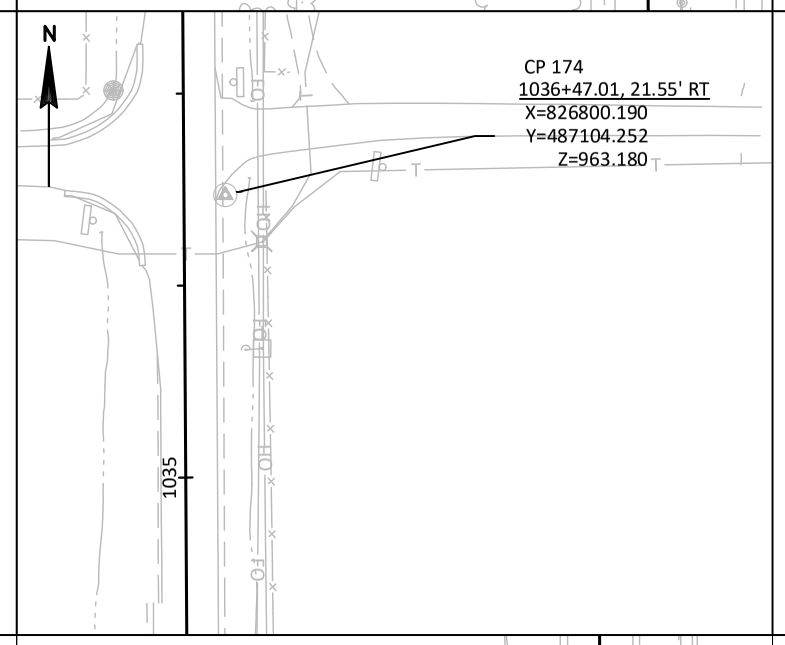


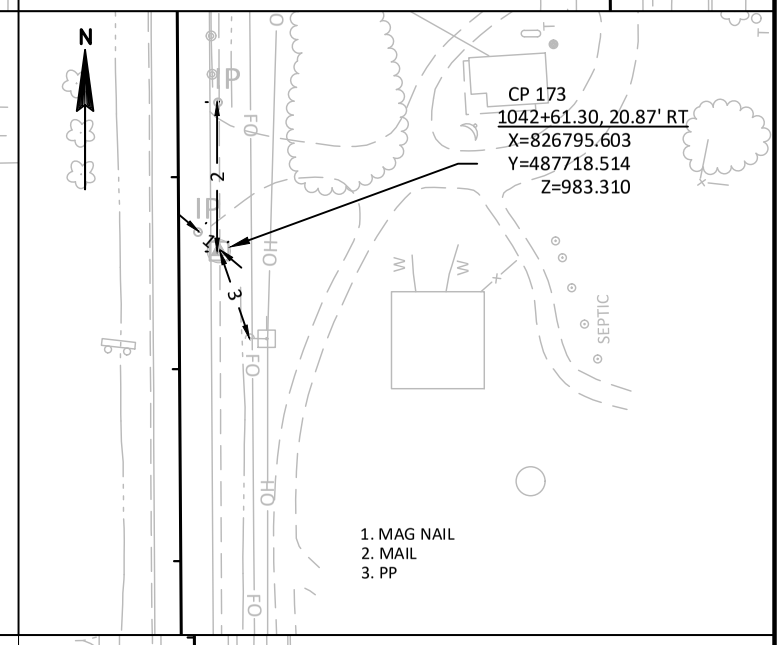


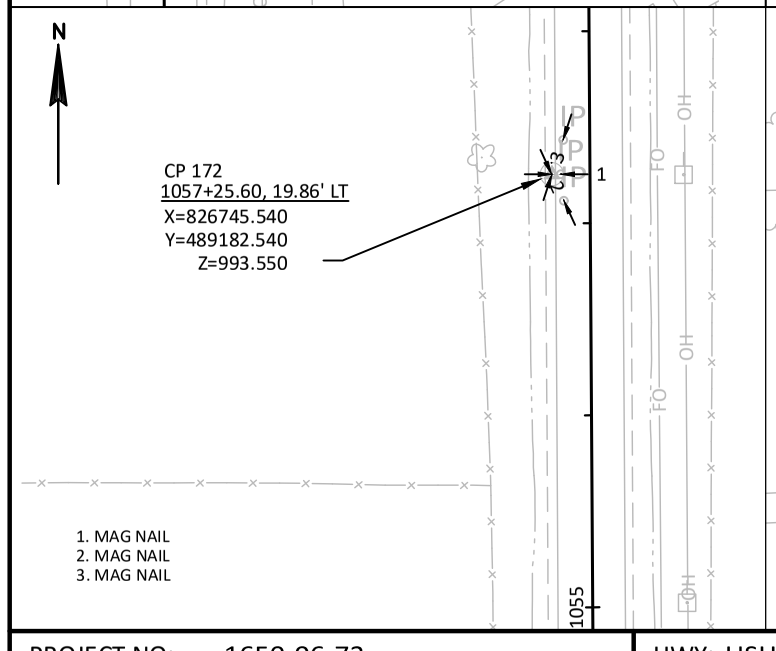
2

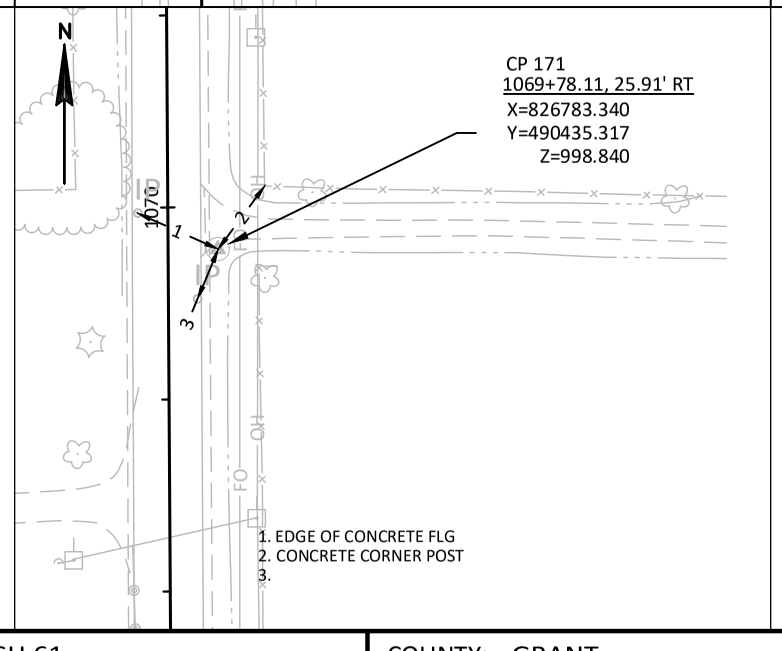


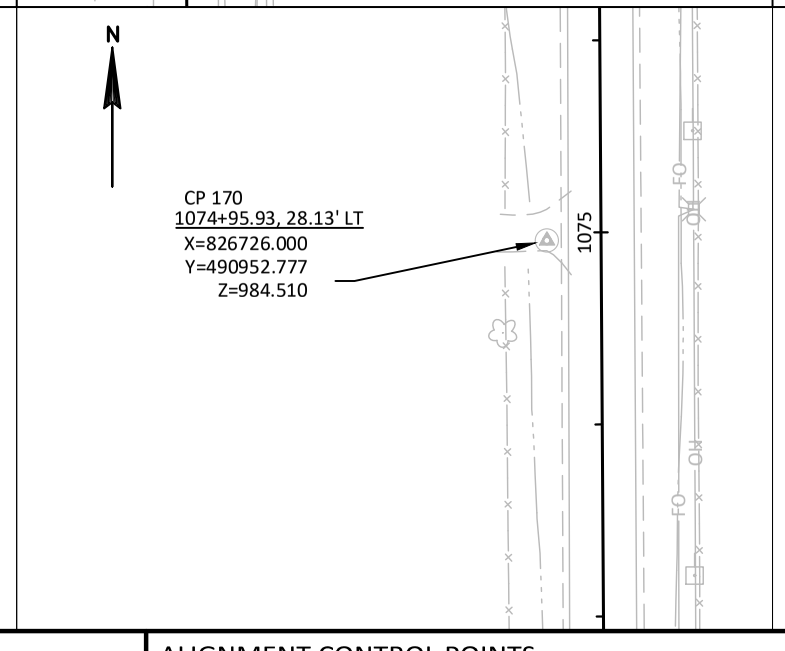


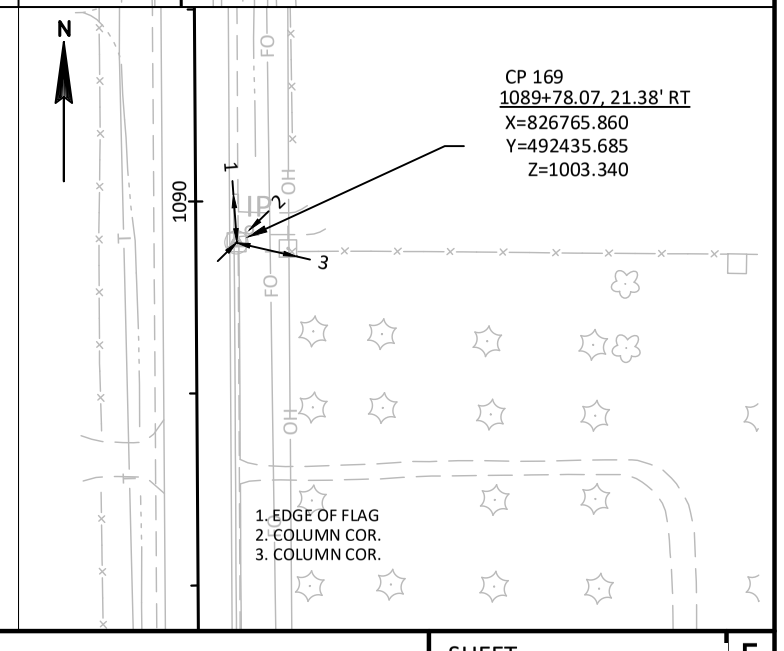












PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 58	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027401_CP (CONTROL POINT DETAILS).DWG PLOT DATE : 7/22/2022 9:47 PM
LAYOUT NAME - 027401_CP (CONTROL POINT DETAILS) - 05
PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

CP 168
1103+92.65, 22.30' RT
X=826742.730
Y=493850.689
Z=978.900

1. MAG NAIL, EDGE OF ASPHALT
2. MAG NAIL, EDGE OF ASPHALT
3. MAG NAIL, EDGE OF ASPHALT

CP 167
1117+45.12, 45.23' LT
X=826604.940
Y=495198.505
Z=992.850

PT: 1115+73.77

1. TELE PED
2. SE CORNER, SECOND STONE
3. WELL SW/S SQUARE HEAD BOLT

CP 166
1120+58.19, 20.69' RT
X=826662.709
Y=495513.187
Z=998.560

CP 165
1130+10.47, 29.66' LT
X=826587.637
Y=496463.830
Z=998.790

CP 164
1143+61.90, 27.43' LT
X=826554.749
Y=497814.870
Z=995.058

CP 163
1160+13.80, 40.70' RT
X=826579.950
Y=499467.980
Z=1016.480

1. TELE PED
2. NW CORNER OF METAL BUILDING
3. NW CORNER OF CONCRETE FOUNDATION

CP 162
1169+93.99, 42.57' RT
X=826556.347
Y=500447.883
Z=1016.680

1. 15" TR PK NAIL
2. NW CORNER, CONCRETE BASE
3. NW CORNER, CONCRETE BASE OF MONUMENT

CP 161
1182+90.86, 25.64' LT
X=826454.474
Y=501742.552
Z=1006.325

1. WEST EDGE OF VERTICAL ANGLE IRON POST
2.
3. PK NAIL SW/S PP

CP 160
1199+79.08, 20.59' LT
X=826415.661
Y=503430.332
Z=1043.210

1. 3/4" REBAR
2. 3/4" REBAR
3. PK NAIL N/S

CP 159
1214+18.87, 21.28' LT
X=826377.570
Y=504869.617
Z=1060.270

1. 3/4" REBAR
2.
3. SE/S PK NAIL

CP 158
1222+92.29, 36.39' LT
X=826339.770
Y=505742.346
Z=1060.770

CP 157
1239+61.67, 22.70' RT
X=826355.470
Y=507412.702
Z=1058.720

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 59 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\027401_CP (CONTROL POINT DETAILS).DWG PLOT DATE : 7/22/2022 9:51 PM
LAYOUT NAME - 027401_CP (CONTROL POINT DETAILS) - 06
PLOT BY : SEH LAYOUT NAME : 06 PLOT SCALE : 1.0 IN = 100.0 FT
WISDOT/CADDS SHEET 42

2

CP 156
1254+09.15, 27.28' LT
X=826267.902
Y=508858.390
Z=1023.450

1. TELE PED
2. SPIKE
3. MAG NAIL

CP 155
1268+40.14, 22.41' RT
X=826280.400
Y=510290.187
Z=1064.290

PC: 1276+49.20

CP 154
1276+46.48, 42.61' LT
X=826194.460
Y=511094.570
Z=1057.180

1. MAG NAIL IN CULVERT
2. MAG NAIL IN W/S PP
3. MAG NAIL IN STOP SIGN

CP 152
1303+42.32, 25.66' LT
X=825336.903
Y=513401.570
Z=1085.740

1. 3/4" REBAR
2. MAG NAIL
3. 3/4" REBAR

CP 151
1315+73.70, 32.68' RT
X=825321.667
Y=514796.419
Z=1083.410

1. NW CORNER OF WOOD SIGN
2. 8" MAG NAIL
3. 3/4" REBAR

CP 150
1328+09.41, 93.19' RT
X=824950.827
Y=515991.480
Z=1078.880

1. MAG NAIL
2. NORTH "129" SIGN P/K
3. 3/4" REBAR

CP 149
1335+17.53, 34.00' RT
X=824300.124
Y=516331.624
Z=1070.970

1. EXISTING PK NAIL W/ BUTTON IN PP LEFT OF NAIL
2.
3. PK NAIL S/S

CP 148
1347+59.85, 23.86' LT
X=823054.830
Y=516419.890
Z=1068.620

1. JET 129 SIGN PK NAIL
2.
3. PK NAIL IN TOP END OF 18" CMP

CP 147
1368+18.36, 36.58' LT
X=821133.820
Y=517167.490
Z=985.550

PC: 1368+00.06

1. 3/4" REBAR
2. NW CORNER OF STOP SIGN POST
3. END BOC
4. NW CORNER OF GUARD RAIL POST

CP 146
1375+13.49, 38.42' LT
X=820531.510
Y=517531.437
Z=98.380

1. R/W SIGN
2. 55 MPH SPEED LIMIT SIGN
3. 6" MAG NAIL
4. PAINTED ARROW ON EDGE OF PAVEMENT
5. MB
6. #8991 ADDRESS SIGN

PC: 1391+10.02

CP 145
1390+70.32, 26.09' LT
X=819580.379
Y=518769.582
Z=1068.890

1. PK IN SIGN
2. PK NAIL IN 18"
3. PK IN LIGHT POLE

CP 144
1393+95.53, 30.37' LT
X=819428.588
Y=519065.972
Z=1075.310

1. PK IN SIGN
2. SE BOLT OF EXIT SIGN
3. PK IN N/S PP
4. CORNER OF MCDONALDS

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	ALIGNMENT CONTROL POINTS	SHEET 60 E

1650-06-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	43.000	43.000
0004	201.0120	Clearing	ID	94.000	94.000
0006	201.0205	Grubbing	STA	43.000	43.000
0008	201.0220	Grubbing	ID	94.000	94.000
0010	203.0100	Removing Small Pipe Culverts	EACH	26.000	26.000
0012	203.0220	Removing Structure (structure) 01. C-22-212	EACH	1.000	1.000
0014	203.0220	Removing Structure (structure) 02. C-22-385	EACH	1.000	1.000
0016	203.0220	Removing Structure (structure) 03. C-22-146	EACH	1.000	1.000
0018	203.0220	Removing Structure (structure) 04. C-22-369	EACH	1.000	1.000
0024	204.0120	Removing Asphaltic Surface Milling	SY	15,507.000	15,507.000
0026	204.0150	Removing Curb & Gutter	LF	235.000	235.000
0028	204.0165	Removing Guardrail	LF	9,414.000	9,414.000
0030	204.0170	Removing Fence	LF	16,393.000	16,393.000
0032	204.0185	Removing Masonry	CY	10.000	10.000
0038	204.0265	Abandoning Wells	EACH	1.000	1.000
0040	205.0100	Excavation Common	CY	118,559.000	118,559.000
0042	205.0200	Excavation Rock	CY	3,869.000	3,869.000
0044	206.2001	Excavation for Structures Culverts (structure) 01. C-22-212	EACH	1.000	1.000
0046	206.2001	Excavation for Structures Culverts (structure) 02. C-22-385	EACH	1.000	1.000
0048	206.2001	Excavation for Structures Culverts (structure) 03. C-22-146	EACH	1.000	1.000
0050	206.2001	Excavation for Structures Culverts (structure) 04. C-22-369	EACH	1.000	1.000
0052	208.0100	Borrow	CY	15,226.000	15,226.000
0054	210.2500	Backfill Structure Type B	TON	1,297.000	1,297.000
0058	213.0100	Finishing Roadway (project) 02. 1650-06-72	EACH	1.000	1.000
0060	305.0110	Base Aggregate Dense 3/4-Inch	TON	6,765.000	6,765.000
0062	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	75,711.000	75,711.000
0064	311.0110	Breaker Run	TON	82.000	82.000
0066	312.0110	Select Crushed Material	TON	57,859.000	57,859.000
0068	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	54.000	54.000
0080	450.4000	HMA Cold Weather Paving	TON	435.000	435.000
0082	455.0605	Tack Coat	GAL	4,300.000	4,300.000
0084	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0086	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0090	460.2005	Incentive Density PWL HMA Pavement	DOL	21,741.000	21,741.000
0092	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	20,260.000	20,260.000
0094	460.2010	Incentive Air Voids HMA Pavement	DOL	21,741.000	21,741.000
0096	460.6223	HMA Pavement 3 MT 58-28 S	TON	11,860.000	11,860.000
0098	460.6224	HMA Pavement 4 MT 58-28 S	TON	11,620.000	11,620.000
0100	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	58.000	58.000
0106	465.0315	Asphaltic Flumes	SY	180.000	180.000
0108	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	113,754.000	113,754.000
0110	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	69,765.000	69,765.000
0112	502.4205	Adhesive Anchors No. 5 Bar	EACH	73.000	73.000
0114	504.0100	Concrete Masonry Culverts	CY	108.000	108.000
0116	504.0900	Concrete Masonry Endwalls	CY	10.000	10.000
0118	505.0400	Bar Steel Reinforcement HS Structures	LB	9,070.000	9,070.000
0120	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	2,760.000	2,760.000
0122	511.1200	Temporary Shoring (structure) 01. C-22-212	SF	160.000	160.000
0124	511.1200	Temporary Shoring (structure) 02. C-22-385	SF	130.000	130.000

1650-06-72

Line	Item	Item Description	Unit	Total	Qty
0126	511.1200	Temporary Shoring (structure) 03. C-22-146	SF	160.000	160.000
0128	511.1200	Temporary Shoring (structure) 04. C-22-369	SF	135.000	135.000
0130	516.0500	Rubberized Membrane Waterproofing	SY	51.000	51.000
0132	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	11.000	11.000
0136	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	37.000	37.000
0138	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	3.000	3.000
0146	520.3312	Culvert Pipe Class III-A 12-Inch	LF	450.000	450.000
0150	520.3318	Culvert Pipe Class III-A 18-Inch	LF	865.000	865.000
0152	520.3324	Culvert Pipe Class III-A 24-Inch	LF	166.000	166.000
0154	520.8000	Concrete Collars for Pipe	EACH	28.000	28.000
0156	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	272.000	272.000
0158	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	20.000	20.000
0160	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	4.000	4.000
0162	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	60.000	60.000
0164	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	40.000	40.000
0166	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	38.000	38.000
0172	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	27.000	27.000
0174	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000
0176	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	10.000	10.000
0178	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	1.000	1.000
0180	527.0244	Pipe Structural Plate 144-Inch	LF	32.000	32.000
0190	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,727.000	2,727.000
0196	606.0200	Riprap Medium	CY	211.000	211.000
0198	606.0300	Riprap Heavy	CY	14.000	14.000
0216	611.0642	Inlet Covers Type MS	EACH	5.000	5.000
0226	611.3901	Inlets Median 1 Grate	EACH	3.000	3.000
0228	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0232	612.0204	Pipe Underdrain Unperforated 4-Inch	LF	58.000	58.000
0234	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	58.000	58.000
0238	618.0100	Maintenance And Repair of Haul Roads (project) 02. 1650-06-72	EACH	1.000	1.000
0240	619.1000	Mobilization	EACH	0.700	0.700
0244	624.0100	Water	MGAL	4,194.000	4,194.000
0248	625.0500	Salvaged Topsoil	SY	172,207.000	172,207.000
0250	627.0200	Mulching	SY	186,320.000	186,320.000
0252	628.1504	Silt Fence	LF	11,356.000	11,356.000
0254	628.1520	Silt Fence Maintenance	LF	22,712.000	22,712.000
0256	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
0258	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0260	628.2004	Erosion Mat Class I Type B	SY	203,863.000	203,863.000
0262	628.2023	Erosion Mat Class II Type B	SY	1,823.000	1,823.000
0264	628.2027	Erosion Mat Class II Type C	SY	6,038.000	6,038.000
0266	628.7005	Inlet Protection Type A	EACH	7.000	7.000
0272	628.7504	Temporary Ditch Checks	LF	3,106.000	3,106.000
0274	628.7555	Culvert Pipe Checks	EACH	132.000	132.000
0276	628.7560	Tracking Pads	EACH	6.000	6.000
0278	628.7570	Rock Bags	EACH	100.000	100.000
0280	629.0210	Fertilizer Type B	CWT	127.000	127.000
0282	630.0120	Seeding Mixture No. 20	LB	4,381.000	4,381.000
0284	630.0140	Seeding Mixture No. 40	LB	220.000	220.000

1650-06-72

Line	Item	Item Description	Unit	Total	Qty
0286	630.0170	Seeding Mixture No. 70	LB	19.000	19.000
0288	630.0175	Seeding Mixture No. 75	LB	51.000	51.000
0290	630.0200	Seeding Temporary	LB	5,036.000	5,036.000
0292	630.0500	Seed Water	MGAL	4,198.000	4,198.000
0294	633.5200	Markers Culvert End	EACH	58.000	58.000
0296	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	33.000	33.000
0298	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	9.000	9.000
0308	637.2210	Signs Type II Reflective H	SF	295.750	295.750
0310	637.2230	Signs Type II Reflective F	SF	126.000	126.000
0312	638.2102	Moving Signs Type II	EACH	36.000	36.000
0314	638.2602	Removing Signs Type II	EACH	1.000	1.000
0316	638.3000	Removing Small Sign Supports	EACH	1.000	1.000
0320	643.0300	Traffic Control Drums	DAY	80,553.000	80,553.000
0322	643.0420	Traffic Control Barricades Type III	DAY	462.000	462.000
0324	643.0705	Traffic Control Warning Lights Type A	DAY	462.000	462.000
0328	643.0900	Traffic Control Signs	DAY	5,481.000	5,481.000
0330	643.1050	Traffic Control Signs PCMS	DAY	21.000	21.000
0334	643.3120	Temporary Marking Line Epoxy 4-Inch	LF	126,104.000	126,104.000
0346	643.5000	Traffic Control	EACH	0.400	0.400
0348	645.0105	Geotextile Type C	SY	251.000	251.000
0350	645.0120	Geotextile Type HR	SY	460.000	460.000
0352	646.1020	Marking Line Epoxy 4-Inch	LF	173,592.000	173,592.000
0360	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	130,814.000	130,814.000
0376	648.0100	Locating No-Passing Zones	MI	17.200	17.200
0378	650.4000	Construction Staking Storm Sewer	EACH	4.000	4.000
0380	650.4500	Construction Staking Subgrade	LF	37,458.000	37,458.000
0382	650.5000	Construction Staking Base	LF	37,458.000	37,458.000
0384	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,727.000	2,727.000
0386	650.6000	Construction Staking Pipe Culverts	EACH	37.000	37.000
0388	650.6501	Construction Staking Structure Layout (structure) 01. C-22-212	EACH	1.000	1.000
0390	650.6501	Construction Staking Structure Layout (structure) 02. C-22-385	EACH	1.000	1.000
0392	650.6501	Construction Staking Structure Layout (structure) 03. C-22-146	EACH	1.000	1.000
0394	650.6501	Construction Staking Structure Layout (structure) 04. C-22-369	EACH	1.000	1.000
0402	650.9911	Construction Staking Supplemental Control (project) 02. 1650-06-72	EACH	1.000	1.000
0404	650.9920	Construction Staking Slope Stakes	LF	40,515.000	40,515.000
0430	690.0150	Sawing Asphalt	LF	36,368.000	36,368.000
0432	690.0250	Sawing Concrete	LF	59.000	59.000
0436	740.0440	Incentive IRI Ride	DOL	15,347.000	15,347.000
0446	SPV.0060	Special 03. Site Mowing	EACH	1.000	1.000

CLEARING & GRUBBING

CATEGORY	STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	562+00 - 582+00	LT	20	-	20	-
	603+00 - 614+00	RT	11	-	11	-
	624+00 - 627+00	RT	3	-	3	-
	25+00 KL - 27+00 KL	LT	2	-	2	-
	1070+20 - 1073+80	RT	-	56	-	56
	1093+00 - 1098+00	LT	5	-	5	-
	1130+50	LT	-	20	-	20
	1131+95	LT	-	18	-	18
	1368+00 MLB - 1370+00 MLB	LT	2	-	2	-
	PROJECT TOTALS		**43**	**94**	**43**	**94**

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	1116+51 - 116+91	LT	61	SUBSTATION RD SW RADIUS
	1117+16 - 1117+78	LT	92	SUBSTATION RD NW RADIUS
	1367+04 - 1367+55	LT	82	STAGE RD SE RADIUS
	PROJECT TOTAL		**235**	

REMOVING GUARDRAIL

CATEGORY	STATION - STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
0010	566+88 - 577+66	LT	1036
	581+00 - 587+69	LT	620
	605+13 - 616+61	RT	1154
	632+47 - 636+59	LT	412
	986+75 - 991+05	RT	431
	1043+47 - 1047+50	RT	404
	1091+08 - 1111+40	LT	1704
	1225+07 - 1232+10	RT	703
	1242+41 - 1256+12	RT	1400
	1257+32 - 1259+54	RT	222
	1329+04 - 1334+84	RT	587
	1367+89 - 1373+70	LT	741
	PROJECT TOTAL		**9414**

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	LT/RT	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185 REMOVING MASONRY CY	REMARKS
0010	616+92	RT	1	-	18" CPCS, 50 LF
	620+04	RT	1	-	18" CPCS, 36 LF
	626+72	RT	1	-	18" CPCS, 36 LF
	630+32	RT	1	-	18" CPCS, 40 LF
	634+03	RT	-	10	72" CPRC
	639+81	RT	1	-	18" CPCS, 29 LF
	65+47 AB	CL	1	-	18" CPCS, 100 LF
	746+99	RT	1	-	18" CPCS, 27 LF
	1008+89	RT	1	-	18" CPCS, 41 LF
	225+53 LE	RT	1	-	12" CONC, 40 LF
	1061+91	RT	1	-	18" CPCS, 28 LF
	1093+36	LT	1	-	18" CPCS, 34 LF
	1103+88	LT	1	-	18" CPCS, 34 LF
	1182+82	LT	1	-	24" CPCS, 50 LF
	246+33 SW	LT	1	-	12" CPCS, 33 LF
	247+03 SW	RT	1	-	12" CPCS, 23 LF
	247+61 SW	CL	1	-	12" CPCS, 118 LF
	235+31 SE	CL	1	-	12" CPCS, 62 LF
	1130+21	LT	1	-	18" CPCS, 28 LF
	1143+63	LT	1	-	18" CPCS, 17 LF
	275+35 HH	CL	1	-	12" CPCS, 66 LF
	1224+82	RT	1	-	18" CPCS, 26 LF
	1232+38	RT	1	-	18" CPCS, 42 LF
	1234+64	RT	1	-	18" CPCS, 30 LF
	1236+92	RT	1	-	18" CPCS, 22 LF
	327+30 ST	-	1	-	18" CPCS, 51 LF
	1374+36 MLB	LT	1	-	
	PROJECT TOTAL		**26**	**10**	

REMOVING FENCE

CATEGORY	STATION-STATION	LOCATION	204.0170 REMOVING FENCE LF
0010	579+86 - 584+00	LT	414
	26+00 KL - 27+00 KL	LT	100
	65+83 AB - 68+50 AB	RT	267
	736+75 - 738+70	RT	195
	1010+26 - 1036+49	RT	2623
	1037+11 - 1040+38	RT	327
	1046+13 - 1071+00	RT	2487
	1080+00 - 1116+70	LT	3670
	1115+50 - 1116+68	RT	118
	235+51 SE - 236+60 SE	RT	109
	246+31 SW - 246+97 SW	RT	66
	267+03 WA - 267+45 WA	LT	42
	1170+35 - 1180+00	LT	965
	1184+17 - 1186+78	LT	261
	1206+00 - 1215+42	RT	942
	1226+08 - 1232+12	RT	604
	1234+79 - 1245+04	RT	1025
	1246+05 - 1256+12	RT	1007
	1257+10 - 1262+77	RT	567
	1368+11 MLB - 1372+72 MLB	LT	461
	1372+77 MLB - 1373+85 MLB	LT	108
	325+90 ST - 326+25 ST	LT	35
	PROJECT TOTAL		**16393**

ABANDONING WELLS

CATEGORY	STATION	LOCATION	204.0265 ABANDONING WELLS EACH
0010	1117+57	LT	1
	PROJECT TOTAL		**1**

DIVISION	FROM/TO STATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	AVAILABLE MATERIAL (5)	205.0200 ROCK EXCAVATION (7)	REDUCED EBS IN FILL (9) FACTOR 1.00	EXPANDED EBS BACKFILL (11) FACTOR 1.00	EXPANDED ROCK (12) FACTOR 1.10	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW
DIVISION 1													
USH 61	562+66/583+50	4,546	0	4,546	0	0	0	0	8,566	11,136	-6,590	0	6,590
DIVISION 1 SUBTOTAL		4,546	0	4,546	0	0	0	0	8,566	11,136	-6,590	0	6,590
DIVISION 2													
USH 61	603+00/644+79.12	4,929	0	4,929	0	0	0	0	10,222	13,289	-8,360	0	8,360
KELLY LANE	65+15/68+55	1,250	0	1,250	0	0	0	0	33	43	1,207	1,207	0
DIVISION 2 SUBTOTAL		6,179	0	6,179	0	0	0	0	10,255	13,332	-7,153	1,207	8,360
DIVISION 3													
USH 61	736+90/754+00	5,728	0	5,728	0	0	0	0	295	384	5,345	5,345	0
ABING LANE	25+15/27+00	2,777	0	2,777	0	0	0	0	2	3	2,774	2,774	0
DIVISION 3 SUBTOTAL		8,505	0	8,505	0	0	0	0	297	386	8,119	8,119	0
DIVISION 4													
USH 61	986+50/1075+00	31,249	8,100	31,249	0	8,100	8,100	0	5,001	-4,029	35,278	35,278	0
LONE ELM TREE ROAD EAST	225+15/226+95	679	0	679	0	0	0	0	183	238	441	441	0
DIVISION 4 SUBTOTAL		31,928	8,100	31,928	0	8,100	8,100	0	5,184	-3,791	35,719	35,719	0
DIVISION 5													
USH 61	1090+00/1196+00	20,621	3,150	20,621	0	3,150	3,150	0	15,141	15,588	5,033	5,033	0
SUBSTATION ROAD EAST	235+15/236+65	653	0	653	0	0	0	0	8	10	643	643	0
SUBSTATION ROAD WEST	246+25/247+65	912	0	912	0	0	0	0	3	4	908	908	0
W AIRPORT ROAD	266+27.08/267+80	28	0	28	0	0	0	0	82	107	-79	0	79
DIVISION 5 SUBTOTAL		22,186	3,150	22,186	0	3,150	3,150	0	15,152	15,603	6,583	6,583	0
DIVISION 6													
USH 61	1204+00/1270+00	18,967	1,700	18,967	0	1,700	1,700	0	12,025	13,423	5,545	5,545	0
HUDSON HOLLOW	275+15/276+95	647	0	647	0	0	0	0	29	38	609	609	0
DIVISION 6 SUBTOTAL		19,614	1,700	19,614	0	1,700	1,700	0	12,054	13,460	6,154	6,154	0
DIVISION 7													
USH 61 & STH 129	328+97.733/1335+08.29	570	0	570	0	0	0	0	375	488	83	83	0
DIVISION 7 SUBTOTAL		570	0	570	0	0	0	0	375	488	83	83	0
DIVISION 8													
USH 61	341+49.997/1382+55.80	11,410	0	11,410	3,869	0	0	4,256	9,736	7,124	4,286	4,286	0
STAGE ROAD	326+00/327+99.032	643	0	643	0	0	0	0	647	841	-198	0	198
DIVISION 8 SUBTOTAL		12,053	0	12,053	3,869	0	0	4,256	10,383	7,965	4,088	4,286	198
GRAND TOTAL		105,609	12,950	105,609	3,869	12,950	12,950	4,256	62,348	58,685	46,924	62,150	15,226
	TOTAL COMMON EXC	118,559											

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH BORROW OR CUT MATERIAL.

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(7) ROCK EXCAVATION ITEM NUMBER 205.0200

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = X.2X

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH BORROW OR CUT MATERIAL. EBS BACKFILL FACTOR = X.4X. ITEM NUMBER 208.1100

(12) EXPANDED ROCK FACTOR = X.5X

(13) EXPANDED FILL FACTOR = X.6X

DEPENDING ON SELECTIO EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

DRIVEWAY ITEMS

CATEGORY	STATION	LOCATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)	REMARKS
0010	572+85	LT	84	-	AGG
	616+92	RT	10	3	ASPH
	620+04	RT	8	-	AGG
	626+72	RT	8	-	AGG
	630+32	RT	19	6	ASPH
	632+28	RT	21	7	ASPH
	639+81	RT	10	-	AGG
	746+99	RT	27	-	AGG
	1008+89	RT	20	-	AGG
	1010+14	RT	21	-	AGG
	1043+08	RT	24	-	AGG
	1061+91	RT	10	-	AGG
	1069+89	RT	11	-	AGG
	1093+36	LT	10	3	ASPH
	1103+88	LT	17	-	AGG
	236+27'SE'	LT	19	-	SUBSTATION RD (EAST)
	246+59'SW'	LT	30	-	SUBSTATION RD (WEST)
	247+03'SW'	RT	9	-	SUBSTATION RD (WEST)
	1130+21	LT	19	-	AGG
	1143+63	LT	37	-	AGG
	1163+32	LT	37	-	AGG
	1182+82	LT	76	-	AGG
	276+69'HH'	LT	17	-	HUDSON HOLLOW RD
	1224+82	RT	26	-	AGG
	1232+38	RT	67	-	AGG
	1234+64	RT	22	-	AGG
	1236+92	RT	12	-	AGG
	1256+77	RT	59	-	AGG
	1343+78'MLB'	LT	45	-	AGG
	1346+45'MLB'	LT	20	-	AGG
	1374+36'MLB'	LT	-	39	AGG/ASPH
PROJECT TOTALS			795	58	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

AGGREGATE

CATEGORY	STATION	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	624.0100 WATER MGAL	NOTES
0010	562+66 - 582+00, LT	301	3721	2791	205	PASSING LANE
	603+00 - 644+79, RT	565	8508	6813	477	PASSING LANE
	643+59, RT	79	447	274	24	KELLY LN
	736+90 - 754+00, RT	266	3507	2691	194	PASSING LANE
	738+63, RT	148	775	450	42	ABING LN
	988+00 - 1075+00, RT	1253	17764	13950	990	PASSING LANE
	1036+84, RT	73	390	229	21	LONE ELM TREE RD
	1090+00 - 1167+00, LT	1198	15728	12030	869	PASSING LANE
	1117+06, LT	54	308	191	17	SUBSTATION RD
	1113+80 - 1118+68, RT	76	1237	1009	70	INTERSECTION
	1116+93, RT	62	333	196	18	SUBSTATION RD
	1204+00 - 1270+00, RT	1027	13410	10232	741	PASSING LANE
	1222+91, RT	70	390	236	21	HUDSON HOLLOW RD
	1329+59 - 1335+09, RT	86	584	298	30	SHOULDER
	1341+50 - 1382+56, LT	639	8210	6230	453	PASSING LANE
	1367+68, LT	73	399	239	22	STAGE RD
PROJECT TOTALS		5970	75711	57859	4194	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

ASPHALT PAVEMENT

CATEGORY	STATION	LOWER LAYER THICHKNESS IN	UPPER LAYER THICKNESS IN	*455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	*460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0315 ASPHALTIC FLUMES SY	REMARKS
0010	562+66 - 582+00, LT	3.00	2.50	171	575	479	-	PASSING LANE
	603+00 - 644+79, RT	3.00	2.50	404	1358	1132	-	PASSING LANE
	643+59, RT	3.00	2.50	17	57	48	20	KELLY LANE
	736+90 - 754+00, RT	3.00	2.50	165	555	462	-	PASSING LANE
	738+63, RT	3.00	2.50	28	107	89	20	ABING LN
	988+00 - 1075+00, RT	3.00	2.50	840	2823	2353	-	PASSING LANE
	1036+84, RT	3.00	2.50	14	47	39	30	LONE ELM TREE RD
	1090+00 - 1167+00, LT	3.00	2.50	740	2486	2071	-	PASSING LANE
	1117+06, LT	3.00	2.50	12	40	33	20	SUBSTATION RD (WEST)
	1113+80 - 1118+68, RT	3.00	2.50	62	209	174	-	INTERSECTION
	1116+93, RT	3.00	2.50	12	41	34	30	SUBSTATION RD (EAST)
	1204+00 - 1270+00, RT	3.00	2.50	629	2115	1762	-	PASSING LANE
	1222+91, RT	3.00	2.50	15	49	41	30	HUDSON HOLLOW RD
	1329+59 - 1335+09, RT	3.00	2.50	18	61	51	-	SHOULDER
	1341+50 - 1382+56, LT	3.00	2.50	383	1287	1073	-	PASSING LANE
	1367+68, LT	3.00	2.50	15	50	42	30	STAGE RD
	PROJECT TOTALS			**3525**	**11860**	**9883**	**180**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

HMA PWL MIXTURE ACCEPTANCE

Location	Station	Mixture Use:	Underlying Surface	Bid Item	TONS	Thickness	Quality Management Program to be used for: Mixture Acceptance	Quality Management Program to be used for: Density Acceptance
12 FT CLIMBING LANE	562+66 - 582+00, LT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	298	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	562+66 582+00, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4 INCH	3 MT 58 28 S	358	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	562+66 - 582+00, LT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	181	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	562+66 - 582+00, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	217	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
12 FT CLIMBING LANE	603+00 - 644+79, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	716	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	603+00 - 644+79, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	859	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	603+00 - 644+79, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	390	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	603+00 - 644+79, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	468	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
12 FT CLIMBING LANE	736+90 - 754+00, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	259	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	736+90 - 754+00, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	311	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	736+90 - 754+00, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	152	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	736+90 - 754+00, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	182	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
12 FT CLIMBING LANE	988+00 - 1075+00, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1493	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	988+00 - 1075+00, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	1792	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	988+00 - 1075+00, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	813	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	988+00 - 1075+00, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	976	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
12 FT CLIMBING LANE	1090+00 - 1196+00, LT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1848	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	1090+00 - 1196+00, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	2218	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	1090+00 - 1196+00, LT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	991	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	1090+00 - 1196+00, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	1189	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
12 FT CLIMBING LANE	1204+00 - 1270+00, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1100	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	1204+00 - 1270+00, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	1320	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	1204+00 - 1270+00, RT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	617	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	1204+00 - 1270+00, RT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	740	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
12 FT CLIMBING LANE	1341+50 - 1382+56, LT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	638	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
12 FT CLIMBING LANE	1341+50 - 1382+56, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	766	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
6 FT SHOULDER	1341+50 - 1382+56, LT	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	386	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
6 FT SHOULDER	1341+50 - 1382+56, LT	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	463	3.0"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive

RUMBLE STRIPS

CAT	STATION - STATION	LT/RT	LAYER THICKNESS IN	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	450.4000 HMA COLD WEATHER PAVING TON	*455.0605 TACK COAT GAL	*460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0425 ASPHALTIC SHOULDER RUBMLE STRIPS 2-LANE RURAL LF	465.0475 ASPHALTIC CENTERLINE RUBMLE STRIPS 2-LANE RURAL LF	REMARKS
0020	465+60 - 468+80	LT	-	-	-	-	-	256	-	
	465+60 - 478+15	RT	-	-	-	-	-	940	-	1 DWY
	465+60 - 587+75	C/L	2.00	2626	-	131	294	-	11815	1 SIDEROAD
	470+75 - 487+80	LT	-	-	-	-	-	1252	-	2 DWYs
	479+35 - 585+00	RT	-	-	-	-	-	8106	-	4 DWYs
	491+70 - 587+40	LT	-	-	-	-	-	7476	-	2 DWYs
	589+75 - 629+00	RT	-	-	-	-	-	2996	-	2 DWYs
	590+00 - 629+00	C/L	2.00	867	-	43	97	-	3900	
	590+00 - 693+15	LT	-	-	-	-	-	7876	-	5 DWYs
	633+50 - 642+00	RT	-	-	-	-	-	680	-	
	633+50 - 733+00	C/L	2.00	1900	-	95	213	-	8550	1 CE, 3 SIDEROADS
	645+00 - 737+60	RT	-	-	-	-	-	7048	-	4 DWYs
	695+00 - 708+50	LT	-	-	-	-	-	1008	-	1 DWY
	711+00 - 713+50	LT	-	-	-	-	-	192	-	
	716+35 - 734+50	LT	-	-	-	-	-	1452	-	
	737+00 - 759+75	LT	-	-	-	-	-	1660	-	2 DWYs
	740+50 - 759+70	RT	-	-	-	-	-	1440	-	1 DWY
	742+50 - 770+00	C/L	2.00	612	-	31	69	-	2750	
	762+40 - 770+00	LT	-	-	-	-	-	608	-	
	763+65 - 770+00	RT	-	-	-	-	-	508	-	
	843+50 - 866+00	C/L	2.00	500	-	25	56	-	2250	
	843+50 - 868+00	LT	-	-	-	-	-	1800	-	2 DWYs
	843+50 - 868+50	RT	-	-	-	-	-	2000	-	
	869+75 - 879+80	LT	-	-	-	-	-	720	-	1 DWY
	871+50 - 879+80	RT	-	-	-	-	-	664	-	
	873+00 - 878+00	C/L	2.00	112	-	6	13	-	500	
	881+25 - 907+70	LT	-	-	-	-	-	2048	-	1 DWY
	882+15 - 953+50	RT	-	-	-	-	-	5284	-	6 DWYs
	883+50 - 925+00	C/L	2.00	834	-	42	93	-	3750	1 SIDEROAD
	909+40 - 926+75	LT	-	-	-	-	-	1328	-	1 DWY
	930+50 - 953+50	LT	-	-	-	-	-	1772	-	1 DWY
	931+50 - 953+50	C/L	2.00	489	-	24	55	-	2200	
	973+50 - 982+00	RT	-	-	-	-	-	616	-	1 DWY
	973+50 - 1273+25	C/L	2.00	6128	-	306	686	-	27575	6 SIDEROADS
	974+00 - 982+00	LT	-	-	-	-	-	640	-	
	984+65 - 1035+00	LT	-	-	-	-	-	3956	-	1 DWY
	985+00 - 1036+00	RT	-	-	-	-	-	4004	-	1 DWY
	1037+25 - 1115+00	LT	-	-	-	-	-	6000	-	3 DWYs
	1038+10 - 1116+00	RT	-	-	-	-	-	5992	-	3 DWYs
	1117+75 - 1168+65	LT	-	-	-	-	-	4012	-	1 DWY
	1118+20 - 1142+00	RT	-	-	-	-	-	1904	-	
	1145+50 - 1149+00	RT	-	-	-	-	-	288	-	
	1149+00 - 1172+00	RT	-	-	-	-	-	288	-	
	1170+75 - 1274+75	LT	-	-	-	-	-	8260	-	1 DWY

CONTINUED

RUMBLE STRIPS

CAT	STATION - STATION	LT/RT	LAYER THICKNESS IN	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	450.4000 HMA COLD WEATHER PAVING TON	*455.0605 TACK COAT GAL	*460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0425 ASPHALTIC SHOULDER RUBMLE STRIPS 2-LANE RURAL LF	465.0475 ASPHALTIC CENTERLINE RUBMLE STRIPS 2-LANE RURAL LF	REMARKS
0020	1172+00 - 1222+00	RT	-	-	-	-	-	3920	-	1 DWY
	1224+50 - 1274+15	RT	-	-	-	-	-	3812	-	2 DWYs
	1300+00 - 1308+00	RT	-	-	-	-	-	640	-	
	1300+00 - 1366+00	LT	-	-	-	-	-	5152	-	2 DWYs
	1300+00 - 1374+75	C/L	2.00	1439	-	72	161	-	6475	1 CE, 2 SIDEROADS
	1311+00 - 1327+15	RT	-	-	-	-	-	1292	-	
	1330+00 - 1374+75	RT	-	-	-	-	-	3444	-	2 DWYs
	1368+50 - 1373+75	LT	-	-	-	-	-	420	-	
	SUBTOTAL CAT 0020			15507	0	775	1737	113754	69765	
	TOTAL RUMBLE STRIP AREA		-	-	435	-	-	-	-	25% OF TOTAL HMA
	PROJECT TOTAL			**15,507**	**435**	**775**	**1,737**	**113,754**	**69,765**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CONTINUED

3

CULVERT ITEMS (1)

CAT	INLET STA	INLET OFFSET	INLET ELEV.(FT)	OUTLET STA	OUTLET OFFSET	OUTLET ELEV.(FT)	SLOPE (%)	CL STA	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.3312 CULVERT PIPE CLASS III-A 12-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	*633.5200 MARKERS CULVERT END EACH	REMARKS
0010	617+18	43.93' RT	644.02'	616+65	44.34' RT	643.78'	0.45%	616+92, RT	-	2	-	-	50	-	-	DRIVEWAY
	630+58	47.52' RT	624.04'	629+90	54.45' RT	623.21'	1.21%	630+35, RT	-	1	-	-	69	-	-	DRIVEWAY
	639+95	45.97' RT	655.10'	639+65	44.74' RT	653.84'	4.20%	639+81, RT	-	2	-	-	30	-	-	DRIVEWAY
	25+47'KL'	29.10' LT	675.60'	25+81'KL'	41.11' RT	670.33'	6.89%	25+50'KL'	-	2	-	-	77	-	2	KELLY LANE
	65+66'AB'	46.28' RT	965.84'	65+52'AB'	42.60' LT	964.77'	1.16%	65+47 'AB'	-	2	-	-	138	-	2	ABING LANE
	747+11	44.28' RT	970.45'	746+85	44.80' RT	970.36'	0.36%	746+99, RT	-	2	-	-	26	-	2	FIELD ENTRANCE
	1008+70	44.80' RT	989.55'	1009+08	44.16' RT	989.10'	1.18%	1008+89, RT	-	2	-	-	41	-	-	DRIVEWAY
	1010+36	54.24' RT	985.55'	1009+88	62.26' RT	984.66'	1.82%	1010+14, RT	-	2	-	-	49	-	-	DRIVEWAY
	225+51'LE'	40.09' LT	962.52'	225+55'LE'	61.97' RT	956.94'	5.46%	225+53'LE'	2	-	-	103	-	-	2	LONE ELM TREE RD
	1069+72	41.17' RT	996.12'	1070+04	40.59' RT	995.93'	0.58%	1069+89, RT	-	2	-	-	32	-	-	DRIVEWAY
	1093+25	37.69' LT	995.24'	1093+49	38.10' LT	994.70'	2.23%	1093+36, LT	-	2	-	-	24	-	-	DRIVEWAY
	1103+71	44.18' LT	977.10'	1104+06	44.15' LT	976.20'	2.65%	1103+88, LT	-	2	-	-	34	-	-	DRIVEWAY
	247+24'SW'	32.13' LT	985.84'	247+43'SW'	42.32' RT	984.01'	2.39%	247+33'SW'	2	-	-	77	-	-	2	CULVERT CROSSING SUBSTATION RD (WEST)
	246+11'SW'	23.30' LT	992.00'	246+65'SW'	26.72' LT	989.00'	5.58%	246+38 'SW' LT	2	-	-	54	-	-	-	SUBSTATION RD WEST, DRIVEWAY
	246+92'SW'	28.64' RT	987.70'	247+13'SW'	30.98' RT	986.80'	4.24%	247+03 'SW' RT	2	-	-	21	-	-	-	SUBSTATION RD WEST, DRIVEWAY
	235+37'SE'	48.41' LT	984.00'	235+39'SE'	55.08' RT	983.14'	0.83%	235+38 'SE'	1	-	-	104	-	-	2	CULVERT CROSSING SUBSTATION RD (EAST)
	1130+08	44.16' LT	996.06'	1130+34	44.16' LT	995.93'	0.50%	1130+21, LT	-	2	-	-	28	-	-	DRIVEWAY
	1143+75	49.66' LT	991.38'	1143+51	50.93' LT	990.97'	1.71%	1143+63, LT	-	2	-	-	24	-	-	DRIVEWAY
	1182+58	44.10' LT	1004.10'	1183+08	44.61' LT	1003.60'	1.00%	1182+81, LT	-	-	2	-	-	50	-	DRIVEWAY
	276+47	21.91' LT	1056.36'	276+87	22.01' LT	1056.16'	0.50%	276+68'HH'	-	2	-	-	40	-	-	DRIVEWAY
	275+50'HH'	49.80' LT	1056.71'	275+63'HH'	39.98' RT	1057.09'	0.42%	275+57'HH'	2	-	-	91	-	-	2	HUDSON HOLLOW RD
	1224+62	45.07', RT	1053.62'	1225+00	45.03', rt	1052.40'	3.20%	1224+82	-	2	-	-	39	-	-	DRIVEWAY
	1232+55	47.86' RT	1046.35'	1232+17	48.14' RT	1046.23'	0.33%	1232+38, RT	-	2	-	-	38	-	-	DRIVEWAY
	1234+83	45.07', RT	1053.80'	1234+44	45.28', RT	1053.00'	2.07%	1234+64, RT	-	2	-	-	39	-	-	FIELD ENTRANCE
	1237+09	45.07', RT	1056.55'	1236+75	45.07', RT	1056.30'	0.73%	1236+92, RT	-	2	-	-	35	-	-	FIELD ENTRANCE
	327+15'ST'	33.04' RT	975.03'	326+87'ST'	79.07' LT	965.19'	8.50%	327+07'ST'	-	-	1	-	-	116	2	STAGE ROAD
	1374+46	68.32' LT	990.00'	1373+96	73.60' LT	983.00'	13.60%	1374+36 'MLB' LT	-	2	-	-	52	-	-	DRIVEWAY
ECT TOTALS									**11**	**37**	**3**	**450**	**865**	**166**	**16**	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONTINUED ON NEXT TABLE

3

CULVERT ITEMS (2)

CAT	INLET STA	INLET OFFSET	INLET ELEV.(FT)	OUTLET STA	OUTLET OFFSET	OUTLET ELEV.(FT)	SLOPE (%)	CL STA	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	*520.8000 CONCRETE COLLARS FOR PIPE EACH	527.0244 PIPE STRUCTURAL PLATE 144-INCH LF	*633.5200 MARKERS CULVERT END EACH	REMARKS
0100	-	-	-	567+13	56.24' LT	644.67'	4.56%	567+13, LT	4	-	-	2	-	1	-	2	EXTEND EX LT
	-	-	-	568+72	53.36' LT	642.47'	0.67%	568+72, LT	4	20	-	1	1	1	-	1	EXTEND EX LT/REPLACE BOTH ENDWALLS
	-	-	-	576+80	65.80' LT	629.48'	6.00%	576+80	24	-	-	2	-	1	-	2	EXTEND EX LT/REPLACE BOTH ENDWALLS
	615+62	44+36' RT	638.70'	-	-	-	10.10%	615+40, RT	14	-	-	-	-	1	-	1	EXTEND EXIST. RT
	-	-	-	629+70	54.89' RT	620.29'	1.43%	629+79, RT	10	-	-	1	-	1	-	1	EXTEND EXIST. RT
	642+50	47.58' RT	663.94'	-	-	-	5.11%	642+50, RT	8	-	-	1	-	1	-	1	EXTEND EXIST. RT
	1011+76	62.26' RT	980.60'	-	-	-	5.18%	1011+78	10	-	-	2	-	1	-	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	1051+21	43.35' RT	974.68'	-	-	-	5.79%	1051+23	8	-	-	2	-	1	-	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	-	-	-	1097+48	76.72' LT	971.60'	4.82%	1097+51, LT	32	-	-	1	-	1	-	1	EXTEND EXIST. LT
	-	-	-	1133+21	44.35' LT	991.61'	2.77%	1133+22, LT	-	-	8	2	-	1	-	2	EXTEND EX LT/REPLACE BOTH ENDWALLS
	-	-	-			987.23'	2.78%	1139+77	16	-	-	2	-	1	-	2	EXTEND EX LT/REPLACE BOTH ENDWALLS
	-	-	-	1169+77	78.52'	1011.82'	0.94%	1169+76, LT	-	-	28	1	-	1	-	1	EXTEND EXIST. LT
	1209+23	32.88' RT	1052.62'	-	-	-	4.76%	1209+24, RT	-	-	4	1	-	1	-	1	EXTEND EXIST. RT
	-	-	-	1227+46	57.92' RT	1031.56'	1.49%	1227+37	24	-	-	1	-	1	-	1	EXTEND EXIST. RT
	-	-	-	1231+78	66.04' RT	1035.57'	4.13%	1231+81	30	-	-	2	-	1	-	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	-	-	-	1247+39	77.20' RT	1018.21'	4.59%	1246+75	38	-	-	2	-	1	-	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	-	-	-	1249+22	78.82' RT	1011.00'	4.18%	1249+24, RT	20	-	-	1	-	1	-	1	EXTEND EXIST. RT
	-	-	-	-	-	-	-	1334+08'MLB' RT	-	-	-	1	-	-	-	1	ADD ENDWALL TO EXIST. RT
	1363+98	37.79' LT	994.00'	-	-	-	2.75%	1363+98 'MLB'	8	-	-	1	-	1	-	1	EXTEND EXIST. LT
	-	-	-	1369+70	119.51' LT	947.25'	0.60%	1369+64 'MLB' LT	-	-	-	-	-	-	32	1	EXTEND EXIST. LT
	-	-	-	1369+96	133.80' LT	951.90'	1.62%	1369+96 'MLB' LT	22	-	-	1	-	1	-	1	EXTEND EXIST. LT
								PROJECT TOTALS	**272**	**20**	**40**	**27**	**1**	**19**	**32**	**29**	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONTINUED ON NEXT TABLE

CULVERT ITEMS (3)

CAT	INLET STA	INLET OFFSET	INLET ELEV.(FT)	OUTLET STA	OUTLET OFFSET	OUTLET ELEV.(FT)	SLOPE (%)	CL STA	504.0900 CONCRETE MASONRY ENDWALLS CY	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.0172 CULVERT PIPE REINFORCED CONCRETE CLASS III 72-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1072 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 72-INCH EACH	*520.8000 CONCRETE COLLARS FOR PIPE EACH	*633.5200 MARKERS CULVERT END EACH	REMARKS
0010	609+91	108.02' RT	607.07'	-	-	-	0.18%	610+20, RT	-	-	28	-	-	1	1	1	EXTEND EXIST. RT/ ENDWALL
	-	-	-	633+69	53.83' RT	617.80'	1.87%	634+03, RT	5	-	14	-	-	-	1	1	
	-	-	-	633+79	55.84' RT	617.90'	1.87%	634+03, RT	5	-	18	-	-	-	1	1	EXTEND EXIST. RT , SINGLE ENWALL FOR BOTH PIPES
	-	-	-	989+77	44.80' RT	944.25'	1.90%	989+78	-	-	-	4	2	-	1	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	1029+25	38.03' RT	947.55'	-	-	-	2.66%	1029+25	-	-	-	12	2	-	1	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	1033+70	38.03' RT	949.69'	-	-	-	2.98%	1033+70	-	-	-	10	2	-	1	2	EXTEND EX RT/REPLACE BOTH ENDWALLS
	-	-	-	1144+29	34.96' LT	991.60'	1.65%	1144+26	-	-	-	6	1	-	1	1	EXTEND EXIST. LT
	-	-	-	1144+34	34.64' LT	991.76'	1.07%	1144+31	-	-	-	6	1	-	1	1	EXTEND EXIST. LT
	-	-	-	1185+13	50.11'	995.56'	2.02%	1185+12	-	4	-	-	2	-	1	2	EXTEND EX LT/REPLACE BOTH ENDWALLS
	PROJECT TOTALS								**10**	**4**	**60**	**38**	**10**	**1**	**9**	**13**	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE CURB & GUTTER

CAT	STATION/LOCATION	601.0557 CONCRETE CURB & GUTTER 6 INCH SLOPED 36-INCH TYPE D LF
0010	STA 619+00 - STA 621+50, RT	252
	STA 626+50 - STA 632+50, RT	600
	KELLY LN INTERSECTION	111
	ABING LN INTERSECTION	158
	STA 1006+00 - STA 1008+50, RT	250
	LONE ELM TREE RD (EAST) INTERSECTION	148
	STA 1040+50 - STA 1044+50, RT	400
	SUBSTATION RD (EAST) INTERSECTION	249
	SUSTATION RD (WEST) INTERSECTION	156
	STA 1117+75 - STA 1118+65, LT	91
	HUDSON HOLLOW INTERSECTION	156
	STAGE RD INTERSECTION	156
	PROJECT TOTALS	2,727

STORM SEWER

CAT	STATION	OFFSET	RIM ELEV.	SUMP ELEV.	611.064 INLET COVERS TYPE MS EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	NOTES
0010	615+62	44.36' RT	642.37'	638.70'	1	1	-	USH 61
	630+58	47.52' RT	626.54'	624.04'	1	1	-	USH 61
	235+37'SE'	48.41' LT	987.69'	984.00'	1	1	-	EAST SUBSTATION RD
	327+15'ST'	33.04' RT	948.25'	975.03'	2	-	1	STAGE RD
	PROJECT TOTAL				**5**	**3**	**1**	

PIPE UNDERDRAIN

CATEGORY	STATION-STATION	LOCATION	612.0204 PIPE UNDERDRAIN UNPERFORATED 4-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF
0010	1147+44 - 1118+02	LT	58	58
	PROJECT TOTAL		**58**	**58**

3

EROSION CONTROL

CAT	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.2027 EROSION MAT CLASS II TYPE C SY	628.7005 INLET PROTECTION TYPE A EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	628.7570 ROCK BAGS EACH	645.0120 GEOTEXTILE TYPE HR SY
0010	562+66 - 583+50	LT	22	1553	3106	-	-	10660	-	-	-	80	-	-	-	44
	603+00 - 644+80	RT	39	628	1256	-	-	15900	-	1090	2	304	16	-	-	78
	736+90 - 754+00	RT	-	277	554	-	-	8280	-	-	-	120	8	-	-	-
	986+75 - 1075+00	RT	21	1561	3122	-	-	35280	-	-	-	608	16	-	-	40
	1090+00 - 1196+00	LT, RT	30	2675	5350	-	-	42910	733	1005	1	688	28	-	-	60
	1204+00 - 1270+00	RT	28	1577	3154	-	-	26140	725	845	-	440	28	-	-	54
	1328+90 MLB - 1335+10 MLI	RT	-	670	1340	-	-	2140	-	-	-	-	4	-	-	-
	1341+50 MLB - 1365+00 MLI	LT	-	520	1040	-	-	12300	-	-	-	304	8	-	-	-
	1365+00 MLB - 1374+20 MLI	LT	71	715	1430	-	-	6250	-	1890	1	24	-	-	-	141
	1374+40 MLB - 1382+55 MLI	LT	-	140	280	-	-	3230	-	-	1	128	4	-	-	-
	PROJECT	-	-	-	-	15	5	-	-	-		-	-	-	-	-
	UNDISTRIBUTED		-	1040	2080	-	-	40773	365	1208	2	410	20	6	100	3
	PROJECT TOTALS		211	11,356	22,712	15	5	203,863	1,823	6,038	7	3,106	132	6	100	421

LANDSCAPE ITEMS

CAT	STATION	LT/RT	SEED AREA SF	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0170 SEEDING MIXTURE NO. 70 LB	630.0175 SEEDING MIXTURE NO. 75 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	NOTES
0010	562+66 - 583+50	LT	95865	9490	10660	7	288	-	-	-	288	240	
	603+00 - 644+80	RT	152875	15090	16990	11	299	107	-	-	459	382	USE SEED NO. 40, STA 614+00 - STA 633+00
	736+90 - 754+00	RT	74460	6920	8280	5	224	-	-	-	224	186	
	986+75 - 1075+00	RT	317500	30680	35280	22	953	-	-	-	953	793	
	1090+00 - 1196+00	LT, RT	401824	47242	44650	28	1114	62	-	-	1206	1003	USE SEED NO. 40: STA 1093+00 - STA 1095+00, STA 1102+85 - STA 1105+98, STA 1117+19 - STA 1119+29 LT & STA 1129+74 - STA 1132+35 LT
	1204+00 1270+00	RT	249315	23990	27710	18	734	10			748	623	USE SEED NO. 40, STA 1223+00 - STA 1224+70
	1328+90 MLB 1335+10 MLB	RT	19215	1790	2140	1	58				58	48	
	1341+50 MLB - 1365+00 MLB	LT	110655	10995	12300	8	311	15	-	-	332	277	USE SEED NO. 40, STA 1344+00 - STA 1348+00 LT
	1365+00 MLB - 1374+20 MLB	LT	73230	7570	8140	5	-	-	6	41	220	183	BLANCHARD'S CRICKET FROG & RPBB AREA
	1374+40 MLB - 1382+55 MLB	LT	29025	2780	3230	2	-	7	11	-	88	73	USE SEED NO. 40, STA 1374+40 LT - STA 1376+76
	UNDISTRIBUTED			15660	16940	20	400	20	2	10	460	390	
	PROJECT TOTALS			172,207	186,320	127	4,381	220	19	51	5,036	4,198	

NOTES:

-MULCH PROVIDED FOR TEMPORARY SEEDED AREAS THAT WILL NOT RECEIVE FINAL SEED AND EROSION MAT WITHIN 7 DAYS OF TEMPORARY SEEDING.

-STA 1365+00 LT - STA 1382+55 LT, USE SEEDING MIXTURE NO. 70 OR NO. 75 UNLESS OTHERWISE NOTED (BLANCHARD'S CRICKET FROG & RPBB AREA)

PERMANENT SIGNING

CAT	SIGN NO.	STATION	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	638.2102 MOVING SIGNS TYPE II (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
0010	01-01	497+40	RT	R4-51A	PASSING LANE AHEAD 2 MILES	36" X 48"	12.00	-	1	-	-	-	-
	02-01	586+13	RT	R4-51A	PASSING LANE AHEAD 1 MILE	36" X 48"	-	-	-	-	1	-	-
	02-02	613+89	RT	R4-51A	PASSING LANE AHEAD 1/2 MILE	36" X 48"	-	-	-	-	1	-	-
	03-01	564+26	LT	R4-3	SLOWER TRAFFIC KEEP RIGHT	24" X 30"	-	-	-	-	1	-	-
	03-02	636+49	RT	R4-3	SLOWER TRAFFIC KEEP RIGHT	24" X 30"	-	-	-	-	1	-	-
	03-03	591+78	LT	R4-51A	PASSING LANE AHEAD 1/2 MILE	36" X 48"	-	-	-	-	1	-	-
	03-04	629+84	RT	W14-3	NO PASSING ZONE	48" X 36"	-	-	-	-	1	-	-
	03-05	618+00	LT	R4-51A	PASSING LANE AHEAD 1 MILE	36" X 48"	-	-	-	-	1	-	-
	04-01	640+25	RT	W8-14	FALLEN ROCKS	27" X 27"	-	-	-	-	1	-	-
	04-02	645+28	LT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	1	-	-	-
	04-03	687+60	LT	R4-51A	PASSING LANE AHEAD 2 MILES	36" X 48"	12.00	-	1	-	-	-	-
	04-04	644+20	RT	R1-1	STOP	30" X 30"	-	-	-	-	2	-	-
	05-01	726+82	RT	W9-1R	RIGHT LANE ENDS	36" X 36"	-	-	-	-	1	-	-
	05-02	738+90	RT	R1-1	STOP	30" X 30"	-	-	-	-	1	-	-
	05-03	731+85	RT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	-	-	-	1	-	-
	05-04	731+82	LT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	-	-	-	1	-	-
	09-01	964+16	RT	R4-51A	PASSING LANE AHEAD 1/2 MILE	36" X 48"	12.00	-	1	-	-	-	-
	09-02	982+10	LT	W14-3	NO PASSING ZONE	48" X 36"	-	6.00	1	-	-	-	-
	09-03	988+00	RT	R4-3	SLOWER TRAFFIC KEEP RIGHT	24" X 30"	5.00	-	1	-	-	-	-
	10-01	1004+30	LT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	1	-	-	-
	10-02	1028+45	RT	D1-1	LONE ELM TREE RD	66" X 24"	-	-	-	-	1	-	-
	10-03	1031+32	LT		NO PASSING ZONE		-	-	-	-	-	1	1
	10-04	1031+32	LT	R4-1	DO NOT PASS	24" X 30"	5.00	-	1	-	-	-	-
	10-05	1031+35	RT	W14-3	NO PASSING ZONE	48" X 36"	-	-	-	-	1	-	-
	10-06	1037+06	RT	R1-1	STOP	30" X 30"	-	-	-	-	2	-	-
	10-07	1042+66	LT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	1	-	-	-
	10-08	1058+48	RT	W9-1R	RIGHT LANE ENDS	36" X 36"	-	9.00	1	-	-	-	-
	10-09	1063+25	RT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	10-10	1063+25	LT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-

CONTINUED ON NEXT TABLE

3

CONTINUED

PERMANENT SIGNING

CAT	SIGN NO.	STATION	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH 16-FT (EACH)	638.2102 MOVING SIGNS TYPE II (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
0010	11-01	1075+22	LT	R3-72	ONCOMING TRAFFIC USES CENTER LANE	30" X 36"	7.50	-	1	-	-	-	-
	11-02	1089+98	RT	R3-72	ONCOMING TRAFFIC USES CENTER LANE	30" X 36"	7.50	-	1	-	-	-	-
	11-03	1101+74	LT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	11-04	1101+74	RT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	11-05	1106+50	LT	W9-1R	RIGHT LANE ENDS	36" X 36"	-	9.00	1	-	-	-	-
	11-06	1116+77	LT	R1-1	STOP	30" X 30"	-	-	-	-	1	-	-
	11-07	1121+25	RT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	2	-	-	-
	11-08	1123+99	LT	D1-1	SUBSTATION RD	66" X 24"	-	-	-	-	1	-	-
	11-09	1117+18	RT	R1-1	STOP	30" X 30"	-	-	-	-	3	-	-
	12-01	1150+48	LT	D1-1	AIRPORT RD	66" X 24"	-	-	-	-	1	-	-
	12-02	1153+46	LT	W14-3	NO PASSING ZONE	48" X 36"	-	-	-	-	1	-	-
	12-03	1151+20	RT	R4-51A	PASSING LANE AHEAD 1 MILE	36" X 48"	12.00	-	1	-	-	-	-
	12-04	1153+45	RT	R4-1	DO NOT PASS	24" X 30"	5.00	-	1	-	-	-	-
	12-06	1166+06	LT	W54-56	PLANT ENTRANCE	30" X 30"	-	-	-	-	1	-	-
	12-07	1167+00	LT	R4-3	SLOWER TRAFFIC KEEP RIGHT	24" X 30"	5.00	-	1	-	-	-	-
	12-09	1177+60	RT	R4-51A	PASSING LANE AHEAD 1/2 MILE	36" X 48"	12.00	-	1	-	-	-	-
	12-11	1184+93	RT	R4-1	DO NOT PASS	24" X 30"	5.00	-	1	-	-	-	-
	13-02	1199+00	LT	W14-3	NO PASSING ZONE	48" X 36"	-	6.00	1	-	-	-	-
	13-03	1204+00	RT	R4-3	SLOWER TRAFFIC KEEP RIGHT	24" X 30"	5.00	-	1	-	-	-	-
	13-04	1215+34	RT	D1-1	HUDSON HOLLOW RD	108" X 15"	-	-	-	-	1	-	-
	13-05	1221+63	LT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	1	-	-	-
	13-06	1222+40	LT	R4-51A	PASSING LANE AHEAD 1/2 MILE	36" X 48"	12.00	-	1	-	-	-	-

CONTINUED ON NEXT TABLE

3

CONTINUED

PERMANENT SIGNING

CAT	SIGN NO.	STATION	LT/RT	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	638.2102 MOVING SIGNS TYPE II (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
0010	13-07	1223+16	RT	R1-1	STOP	30" X 30"	-	-	-	-	1	-	-
	13-08	1224+07	RT	I55-56	ADOPT A HIGHWAY MORNINGSIDE ASSISTED LIVING OF LANCASTER	30" X 36"	-	-	-	-	1	-	-
	14-01	1248+79	LT	R4-51A	PASSING LANE AHEAD 1 MILE	36" X 48"	12.00	-	1	-	-	-	-
	14-02	1252+55	RT	W14-3	NO PASSING ZONE	48" X 36"	-	-	-	-	1	-	-
	14-03	1253+45	RT	W9-1R	RIGHT LANE ENDS	36" X 36"	-	9.00	1	-	-	-	-
	14-04	1252+55	LT	R4-1	DO NOT PASS	24" X 30"	5.00	-	1	-	-	-	-
	14-05	1285+19	LT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	14-06	1258+19	RT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	14-07	1266+01	LT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	1	-	-	-
	14-08	1269+99	LT	R3-72	ONCOMING TRAFFIC USES CENTER LANE	30" X 36"	7.50	-	-	1	-	-	-
	14-09	1267+00	RT	D1-1	AUPPERLE RD	108" X 15"	-	-	-	-	1	-	-
	16-01	1341+50 MLB	RT	R3-72	ONCOMING TRAFFIC USES CENTER LANE	30" X 36"	7.50	-	1	-	-	-	-
	16-02	1347+80 MLB	LT		JCT 129		-	-	-	-	1	-	-
	16-03	1348+01 MLB	RT	R4-53	DO NOT PASS WHEN ONCOMING TRAFFIC IN EITHER LANE	54" X 54"	20.25	-	-	1	-	-	-
	16-04	1353+24 MLB	LT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	16-05	1353+24 MLB	RT	W4-2R	LANE TRANSITION SYMBOL	36" X 36"	-	9.00	1	-	-	-	-
	16-06	1358+00 MLB	LT	W9-1R	RIGHT LANE ENDS	36" X 36"	-	9.00	1	-	-	-	-
	16-07	1359+33 MLB	LT	W14-3	NO PASSING ZONE	48" X 36"	-	-	-	-	1	-	-
	16-08	1359+33 MLB	RT	R4-1	DO NOT PASS	24" X 30"	5.00	-	1	-	-	-	-
	17-01	1367+45 MLB	LT	R1-1	STOP	30" X 30"	-	-	-	-	1	-	-
	17-02	1370+73 MLB	LT		VESPERMAN FARMS		-	-	-	-	1	-	-
	17-03	1373+50 MLB	LT		STAGE RD		-	-	-	-	1	-	-
	17-04	1387+11 MLB	RT	W14-3	NO PASSING ZONE	48" X 36"	-	6.00	1	-	-	-	-
					PROJECT TOTAL		**295.75**	**126.00**	**33**	**9**	**36**	**1**	**1**

PAVEMENT MARKING

CAT	STATION - STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH SKIPS WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SKIPS YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	643.3120 TEMPORARY MARKING LINE EPOXY 4-INCH SKIPS YELLOW LF	643.3120 TEMPORARY MARKING LINE EPOXY 4-INCH SOLID YELLOW LF
0010	563+00 - 582+00	LT	465	1,900	-	-	-	-	-
	603+00 - 644+80	RT	1,073	3,977	-	-	-	-	-
	737+00 - 754+00	RT	197	1,495	-	-	-	-	-
	988+00 - 1075+00	RT	2,943	8,480	-	-	-	-	-
	1090+00 - 1167+00	LT	1,928	7,476	-	-	-	-	-
	1204+00 - 1270+00	RT	1,403	6,375	-	-	-	-	-
	1328+95'MLB' - 1334+68'MLB'	RT	-	573	-	-	-	-	-
	1341+50'MLB' - 1382+55'MLB'	LT	613	3,880	-	-	-	-	-
	SUBTOTAL CAT 0010		8,622	34,156	0	0	0	0	0
0020	465+60 - 485+00	C/L	-	-	485	1940	2425	156	1940
	485+00 - 507+20	C/L	-	-	-	4440	4440	0	4440
	508+00 - 519+85	C/L	-	-	296	1185	1481	95	1185
	519+85 - 620+00	C/L	-	-	-	20030	20030	0	20030
	620+00 - 631+00	C/L	-	-	275	1100	1375	88	1100
	631+00 - 634+20	C/L	-	-	80	-	80	26	-
	634+20 - 648+00	C/L	-	-	345	1380	1725	111	1380
	648+00 - 709+25	C/L	-	-	-	12250	12250	0	12250
	709+25 - 722+00	C/L	-	-	319	1275	1594	103	1275
	722+00 - 770+00	C/L	-	-	-	9600	9600	0	9600
	843+50 - 953+50	C/L	-	-	-	22000	22000	0	22000
	973+50 - 985+50	C/L	-	-	300	1200	1500	96	1200
	985+50 - 993+50	C/L	-	-	200	-	200	64	-
	993+50 - 1004+50	C/L	-	-	275	1100	1375	88	1100
	1004+50 - 1019+80	C/L	-	-	-	3060	3060	0	3060
	1019+80 - 1042+80	C/L	-	-	575	2300	2875	184	2300
	1042+80 - 1121+50	C/L	-	-	-	15740	15740	0	15740
	1121+50 - 1154+00	C/L	-	-	812	-	812	260	-
	1154+00 - 1161+85	C/L	-	-	196	785	981	63	785
	1161+85 - 1164+00	C/L	-	-	67.5	-	67.5	22	-
	1164+00 - 1172+00	C/L	-	-	200	800	1000	64	800
	1172+00 - 1184+65	C/L	-	-	316	-	316	102	-
	1184+65 - 1191+25	C/L	-	-	165	660	825	53	660
	1191+25 - 1195+35	C/L	-	-	102	-	102	33	-
	1195+35 - 1202+35	C/L	-	-	175	700	875	56	700
	1202+35 - 1211+00	C/L	-	-	216	-	216	70	-
	1211+00 - 1221+30	C/L	-	-	257	1030	1287	83	1030
	1221+30 - 1241+44	C/L	-	-	-	4028	4028	0	4028
	1241+44 - 1252+44	C/L	-	-	275	1100	1375	88	1100
	1252+44 - 1254+84	C/L	-	-	60	-	60	20	-
	1254+84 - 1265+84	C/L	-	-	275	1100	1375	88	1100
	1265+84 - 1279+90	C/L	-	-	-	2812	2812	0	2812
	1300+00 - 1347+85	C/L	-	-	-	9570	9570	0	9570
	1347+85 - 1374+75	C/L	-	-	672	2,690	3362	216	2,690
	SUBTOTAL CAT 0020		0	0	6,939	123,875	130,814	2,229	123,875
	PROJECT TOTAL			**173,592**			**130,814**	**126,104**	

TRAFFIC CONTROL

CATEGORY	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS	REMARKS
0010	DICKEYVILLE		1130	-	-	1130	7	
	562+66 - 583+50	LT	4746	-	-	-	-	
	603+00 - 644+80	RT	9114	60	60	-	-	
	736+90 - 754+00	RT	3564	60	60	-	-	
	TENNYSON/POTOSI		-	-	-	678	-	
	986+00 - 1075+00	RT	16910	60	60	678	-	
	1090+00 - 1196+00	LT, RT	31800	120	120	904	-	
	1204+00 - 1270+00	RT	3564	60	60	226	-	
	1329+59 - 1382+55	LT, RT	1272	60	60	452	-	
	LANCASTER		1130	-	-	915	14	
	PROJECT LIMITS		-	-	-	-	-	
	UNDISTRIBUTED		7,323	42	42	498	-	
	PROJECT TOTALS		80,553	462	462	5,481	21	

CONSTRUCTION STAKING

CAT	STATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.6501 CONSTRUCTION STAKING STRUCTRE LAYOUT (STRUCTURE) EACH	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) EACH	650.9920 CONSTRUCTION STAKING SLOPES STAKES LF	REMARKS
0010	PROJECT	-	35991	35991	1593	37	-	1	38891	PASSING LANE AREAS
	PROJECT	4	-	-	-	-	-	-	-	INLETs
	643+73	-	183	183	111	-	-	-	183	KELLY LANE - REALIGN
	738+70	-	330	330	158	-	-	-	330	ABING RD - REALIGN
	1036+85	-	183	183	148	-	-	-	183	LONE ELM TREE RD
	1117+02	-	155	155	156	-	-	-	155	W SUBSTATION RD
	1116+98	-	150	150	249	-	-	-	150	E SUBSTATION RD
	1170+01	-	-	-	-	-	-	-	157	W AIRPORT RD
	1222+94	-	189	189	156	-	-	-	189	HUDSON HOLLOW RD
	1367+60 MLB	-	187	187	156	-	-	-	187	STAGE RD
	1374+56 MLB	-	90	90	-	-	-	-	90	DRIVEWAY
	SUBTOTAL CAT 0010	4	37458	37458	2727	37	0	1	40515	
0030	625+87	-	-	-	-	-	1	-	-	C-22-0212
	SUBTOTAL CAT 0030	0	0	0	0	0	1	0	0	
0040	1064+43	-	-	-	-	-	1	-	-	C-22-0358
	SUBTOTAL CAT 0040	0	0	0	0	0	1	0	0	
0050	1108+29	-	-	-	-	-	1	-	-	C-22-0146
	SUBTOTAL CAT 0050	0	0	0	0	0	1	0	0	
0060	1256+02	-	-	-	-	-	1	-	-	C-22-0369
	SUBTOTAL CAT 0060	0	0	0	0	0	1	0	0	
	PROJECT TOTALS	**4**	**37458**	**37458**	**2727**	**37**	**4**	**1**	**40515**	

SAWCUT

CAT	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	562+66 NBA - 582+00 NBA	LT	1954	-	PASSING LANE
	603+00 NBA - 644+79 NBA	RT	4196	-	PASSING LANE
	616+92 NBA	RT	27	-	DRIVEWAY
	630+32 NBA	RT	34	-	DRIVEWAY
	632+30 NBA	RT	36	-	DRIVEWAY
	27+00 KL	CL	16	-	KELLY LANE
	736+90 NBA - 754+00 NBA	RT	1707	-	PASSING LANE
	68+55 AB	CL	20	-	ABING LANE
	988+00 NBA - 1075+00 NBA	RT	8712	-	PASSING LANE
	226+95 LE	CL	17	-	LONE ELM TREE RD
	1090+00 NBA - 1167+00 NBA	LT	7707	-	PASSING LANE
	1093+35 NBA	LT	10	-	DRIVEWAY
	1103+86 NBA	LT	-	20	DRIVEWAY
	246+25 SW	CL	20	-	SUBSTATION RD WEST
	246+33 SW	LT	-	26	DRIVEWAY
	1113+80 NBA - 1118+68 NBA	RT	514	-	PASSING LANE
	236+64 SE	CL	20	-	SUBSTATION RD EAST
	1204+00 NBA - 1270+00 NBA	RT	6602	-	PASSING LANE
	276+95 HH	CL	18	-	HUSDON HOLLOW RD
	276+69 HH	LT	28	-	DRIVEWAY
	1329+59 MLB - 1335+09 MLB	RT	563	-	LANE
	1341+50 MLB - 1382+56 MLB	LT	4129	-	PASSING LANE
	326+00 ST	CL	22	-	STAGE RD
	1374+56 MLB	LT	16	13	DRIVEWAY
	PROJECT TOTAL		**36368**	**59**	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

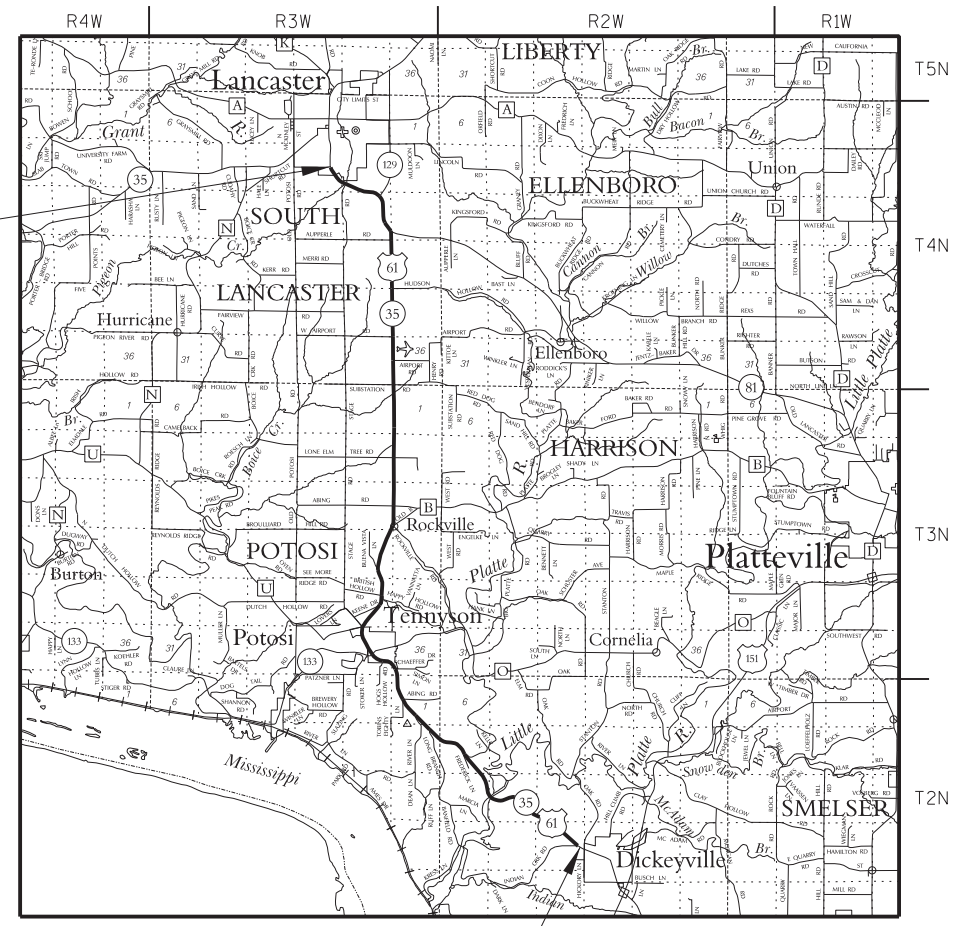
1650-06-20

Dickeyville - Lancaster
(Hickory Lane - Alona Lane)

USH 61

GRANT COUNTY





NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, GRANT 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 3/4" 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 PAVEMENT.

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.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY 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 LACROSSE.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTEREST REQUIRED.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	REFERENCE LINE	R/L
ACCESS RIGHTS		RELEASE OF RIGHTS	ROR
ACRES	AR	REMAINING	REM.
AND OTHERS	AC.	RIGHT-OF-WAY	R/W
CENTERLINE	ET.AL.	SECTION	SEC.
CERTIFIED SURVEY MAP	C/L	STATION	STA.
CORNER	CSM	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	COR.	VOLUME	V.
EASEMENT	DOC.	**CURVE DATA**	
HIGHWAY EASEMENT	EASE.	LONG CHORD	LCH
LAND CONTRACT	H.E.	LONG CHORD BEARING	LCB
MONUMENT	LC	RADIUS	R
PAGE	MON.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	P.	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PLE	LENGTH OF CURVE	L
RECORDED AS	PL	TANGENT	TAN
	(100')		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	UP (1" UNLESS NOTED)	PROPOSED R/W LINE
R/W MONUMENT	•(SET)	EXISTING H.E. LINE
R/W STANDARD	▲(SET)	PROPERTY LINE
SIGN	ISIGN	LOT & TIE LINES
SECTION CORNER MONUMENT		SLOPE INTERCEPTS
SECTION CORNER SYMBOL		CORPORATE LIMITS
FEE (HATCH VARIES)		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY ACQUISITION)
PERMANENT LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)
R/W BOUNDARY POINT	RWB20	SECTION LINE
PARCEL NUMBER	102	QUARTER LINE
UTILITY PARCEL NUMBER	92	SIXTEENTH LINE
SIGN NUMBER (OFF PREMISE)	21-1	EXISTING CENTERLINE
BUILDING		PROPOSED REFERENCE LINE
		PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD	OH	
TRANSMISSION LINES ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

SEH
421 FRENETTE DRIVE
CHIPPEWA FALLS, WI 54729

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20 - 4.01
SHEET 2 OF 2

FILE NAME : P:\UZ\W\Witsw\Common\117738_madison\RTUSH6100.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 7/31/2017
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.01 AMENDMENT NO. 2

AMENDS PARCEL 1 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.01 RECORDED AS DOCUMENT NO. 788245

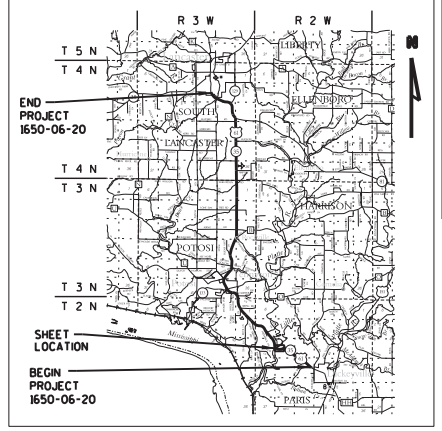
PART OF LOT 1, CERTIFIED SURVEY MAP NO. 862, PART OF GOVERNMENT LOT 4, AND PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 17, T2N, R2W, TOWN OF PARIS, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

LOCATION SKETCH
NOT TO SCALE



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.

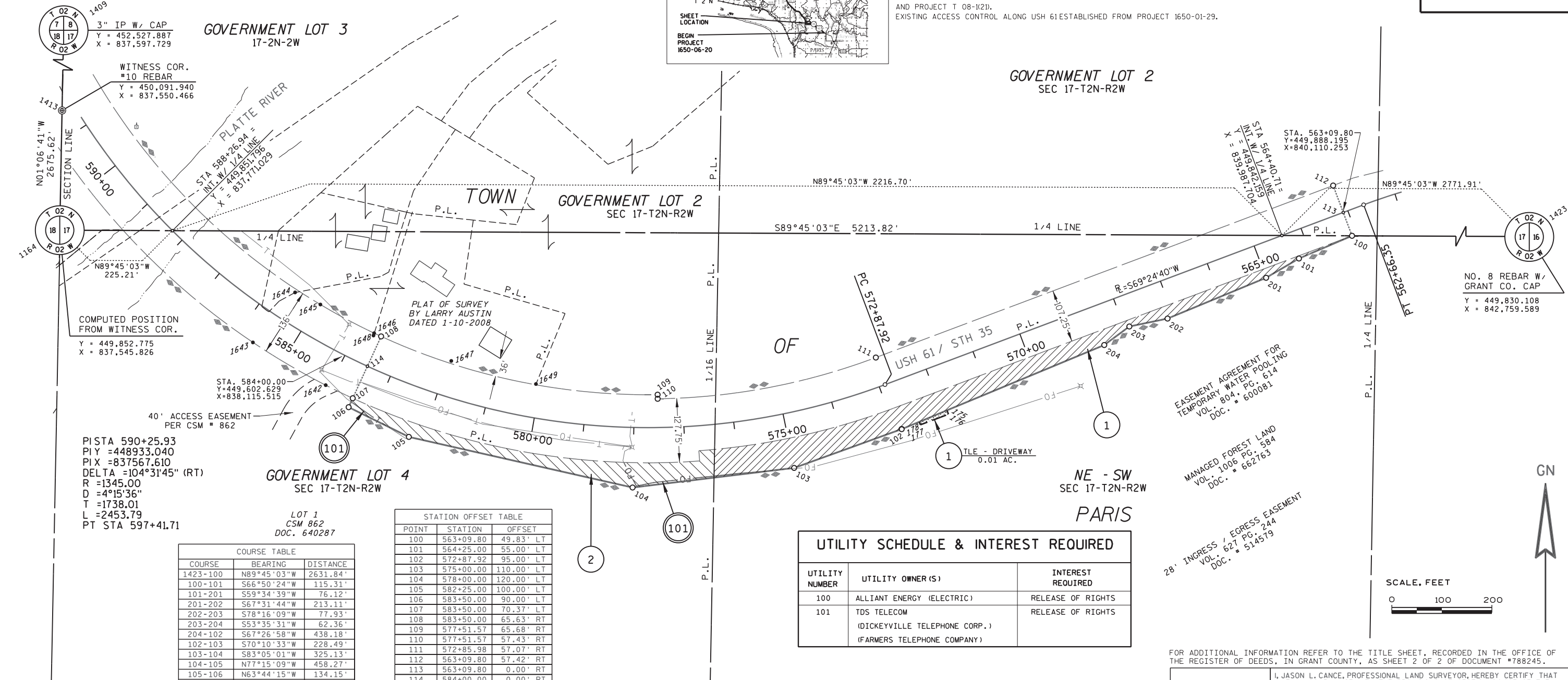
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES
1	DEBRA KELEHER	FEE/TLE	1.03	1.45	2.48	0.01
2	ANNA HUEI FANG SUN, TRUSTEE OF THE ANNA SUN FAMILY TRUST DATED JULY 26, 2011	FEE	0.53	---	0.53	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB NO. 9453 AND PROJECT T 08-1(21).
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PROJECT 1650-01-29.

GRANT COUNTY, WI
RECEIVED FOR RECORD
09/14/2021 10:31 AM
#823868
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.01
AMENDMENT NO. 2



COURSE TABLE		
COURSE	BEARING	DISTANCE
1423-100	N89°45'03"W	2631.84'
100-101	S66°50'24"W	115.31'
101-201	S59°34'39"W	76.12'
201-202	S67°31'44"W	213.11'
202-203	S78°16'09"W	77.93'
203-204	S53°35'31"W	62.36'
204-102	S67°26'58"W	438.18'
102-103	S70°10'33"W	228.49'
103-104	S83°05'01"W	325.13'
104-105	N77°15'09"W	458.27'
105-106	N63°44'15"W	134.15'
106-107	N24°39'17"E	19.63'
107-114	N24°39'17"E	70.37'
114-108	N24°39'17"E	65.63'
109-110	S00°48'50"E	8.25'
111-112	N69°23'26"E	976.18'
112-113	S20°35'15"E	57.42'
113-100	S20°35'15"E	49.83'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
108-109	569.20'	1282.20' L	S78°05'47"E	564.54'
110-111	445.85'	1290.45' L	N79°17'18"E	443.63'

STATION OFFSET TABLE		
POINT	STATION	OFFSET
100	563+09.80	49.83' LT
101	564+25.00	55.00' LT
102	572+87.92	95.00' LT
103	575+00.00	110.00' LT
104	578+00.00	120.00' LT
105	582+25.00	100.00' LT
106	583+50.00	90.00' LT
107	583+50.00	70.37' LT
108	583+50.00	65.63' RT
109	577+51.57	65.68' RT
110	577+51.57	57.43' RT
111	572+85.98	57.07' RT
112	563+09.80	57.42' RT
113	563+09.80	0.00' RT
114	584+00.00	0.00' RT
201	565+00.00	68.00' LT
202	567+13.00	75.00' LT
203	567+90.00	63.00' LT
204	568+50.00	80.00' LT

TLE STATION OFFSET TABLE		
POINT	STATION	OFFSET
175	571+90.00	91.65' LT
176	571+90.00	100.00' LT
177	572+50.00	100.00' LT
178	572+50.00	93.70' LT

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1642	1/2" REBAR	449543.034	838077.351
1643	3/4" REBAR	449628.387	837931.880
1644	3/4" REBAR	449728.266	838016.098
1645	3/4" REBAR	449704.112	838066.668
1646	3/4" REBAR	449646.804	838174.009
1647	3/4" REBAR	449591.400	838328.181
1648	1" IRON PIPE	449642.210	838172.748
1649	3/4" REBAR	449545.280	838497.341

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (DICKEYVILLE TELEPHONE CORP.) (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	1	EASEMENT	DOC. # 58262
	2	EASEMENT	DOC. # 59945
	2	EASEMENT	DOC. # 121605
101	1	EASEMENT	DOC. # 445073
	2	NO EASEMENT OF RECORD	

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9-14-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 9-14-2021
PRINTED NAME: CORY SCHLAGEL

FILE NAME : P:\UZ\W\Witsw\Common\117738_madison\RDUSH6101 A2.dgn
PLOT DATE : 9/14/2021
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A
APPRAISAL PLAT DATE :

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.02 AMENDMENT NO. 2

REVISES UTILITY NO. 101 AND 102 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.02 AMENDMENT NO.1 RECORDED AS DOCUMENT NO. 819236

PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 18, T2N, R2W, TOWN OF PARIS, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453 AND PROJECT 1650-01-21.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1636	3/4" REBAR	452520.991	836767.184
1637	3/4" REBAR	452757.870	836597.725
1638	3/4" REBAR	452333.861	836884.402
1639	3/4" REBAR	452161.177	836991.594
1640	3/4" REBAR	452027.593	837065.294
1641	3/4" REBAR	451480.112	837180.993

832411
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/16/2022 01:36:21 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 74B
PAGES RECORDED: 1

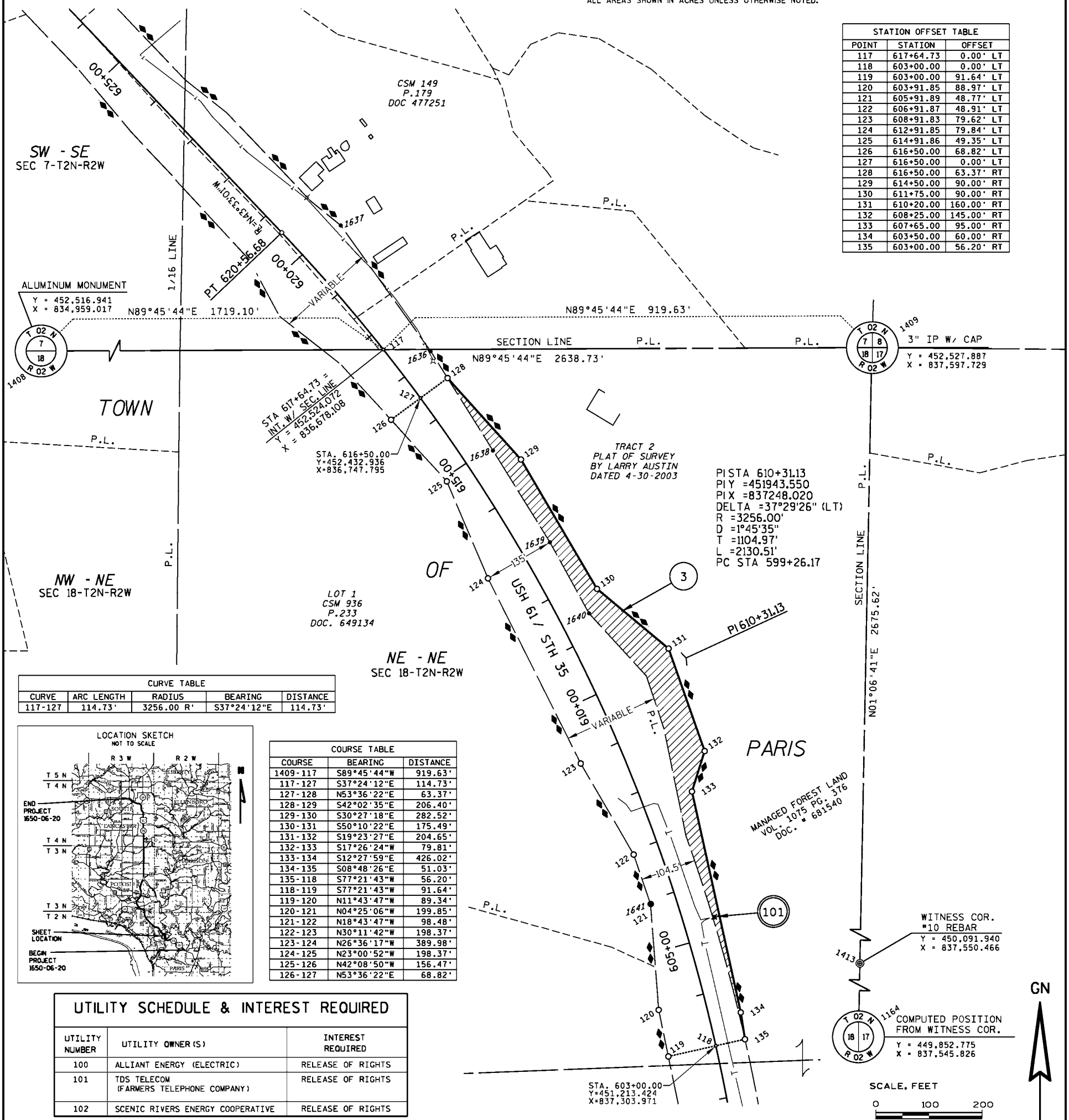
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.02
AMENDMENT NO. 2

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 ACRES REQUIRED NEW	EXISTING	TOTAL
3	JEREMY & DANIELLE WHITE	FEE	1.01	---	1.01

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.



STATION OFFSET TABLE		
POINT	STATION	OFFSET
117	617+64.73	0.00' LT
118	603+00.00	0.00' LT
119	603+00.00	91.64' LT
120	603+91.85	88.97' LT
121	605+91.89	48.77' LT
122	606+91.87	48.91' LT
123	608+91.83	79.62' LT
124	612+91.85	79.84' LT
125	614+91.86	49.35' LT
126	616+50.00	68.82' LT
127	616+50.00	0.00' LT
128	616+50.00	63.37' RT
129	614+50.00	90.00' RT
130	611+75.00	90.00' RT
131	610+20.00	160.00' RT
132	608+25.00	145.00' RT
133	607+65.00	95.00' RT
134	603+50.00	60.00' RT
135	603+00.00	56.20' RT

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
117-127	114.73'	3256.00 R'	S37°24'12"E	114.73'

LOCATION SKETCH
NOT TO SCALE

COURSE TABLE		
COURSE	BEARING	DISTANCE
1409-117	S89°45'44"W	919.63'
117-127	S37°24'12"E	114.73'
127-128	N53°36'22"E	63.37'
128-129	S42°02'35"E	206.40'
129-130	S30°27'18"E	282.52'
130-131	S50°10'22"E	175.49'
131-132	S19°23'27"E	204.65'
132-133	S17°26'24"W	79.81'
133-134	S12°27'59"E	426.02'
134-135	S08°48'26"E	51.03'
135-118	S77°21'43"W	56.20'
118-119	S77°21'43"W	91.64'
119-120	N11°43'47"W	89.34'
120-121	N04°25'06"W	199.85'
121-122	N18°43'47"W	98.48'
122-123	N30°11'42"W	198.37'
123-124	N26°36'17"W	389.98'
124-125	N23°00'52"W	198.37'
125-126	N42°08'50"W	156.47'
126-127	N53°36'22"E	68.82'

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
102	SCENIC RIVERS ENERGY COOPERATIVE	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	3	EASEMENT	DOC. # 58859
	3	EASEMENT	DOC. # 59933
101	3	EASEMENT	DOC. # 489784
102	3	EASEMENT	VOL. 429 PG. 233
			DOC. # 410139

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9/16/2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 9/16/2022
PRINTED NAME: CORY SCHLAGEL

FILE NAME : P:\UZ\W\Wi\sw\Common\117738_madison\RDUSH6102 A2.dgn
APPRAISAL PLAT DATE : 9-1-2022
PLOT DATE : 9/1/2022
PLOT BY : SEH
PLOT SCALE : N/A
PLOT NAME :

4.

832376
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/15/2022 02:25:58 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 74C
PAGES RECORDED: 1

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.03 AMENDMENT NO. 3

AMENDS UTILITY NO. 100 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.03 RECORDED AS DOCUMENT NO. 788452 AND AMENDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.03 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819218

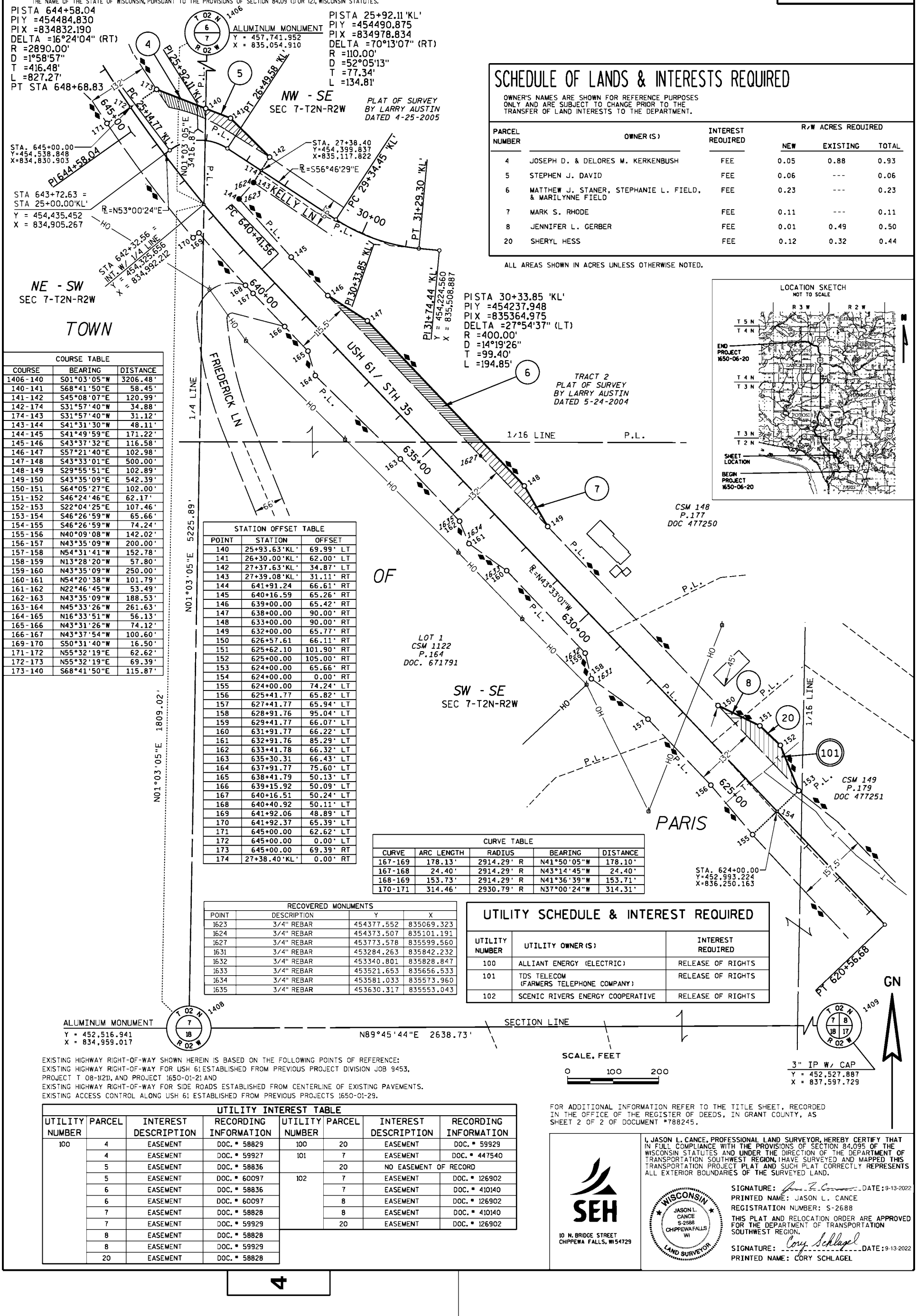
PART OF CERTIFIED SURVEY MAP NO. 148, PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, AND PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 7, T2N, R2W, TOWN OF PARIS, GRANT COUNTY, WISCONSIN

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.03
AMENDMENT NO. 3



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 ACRES REQUIRED NEW	EXISTING	TOTAL
4	JOSEPH D. & DELORES M. KERKENBUSH	FEE	0.05	0.88	0.93
5	STEPHEN J. DAVID	FEE	0.06	---	0.06
6	MATTHEW J. STANER, STEPHANIE L. FIELD, & MARILYNNE FIELD	FEE	0.23	---	0.23
7	MARK S. RHODE	FEE	0.11	---	0.11
8	JENNIFER L. GERBER	FEE	0.01	0.49	0.50
20	SHERYL HESS	FEE	0.12	0.32	0.44

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

COURSE TABLE		
COURSE	BEARING	DISTANCE
1406-140	S01°03'05"W	3206.48'
140-141	S68°41'50"E	58.45'
141-142	S45°08'07"E	120.99'
142-174	S31°57'40"W	34.88'
174-143	S31°57'40"W	31.12'
143-144	S41°31'30"W	48.11'
144-145	S41°49'59"E	171.22'
145-146	S43°37'32"E	116.58'
146-147	S57°21'40"E	102.98'
147-148	S43°33'01"E	500.00'
148-149	S29°55'51"E	102.89'
149-150	S43°35'09"E	542.39'
150-151	S64°05'27"E	102.00'
151-152	S46°24'46"E	62.17'
152-153	S22°04'25"E	107.46'
153-154	S46°26'59"W	65.66'
154-155	S46°26'59"W	74.24'
155-156	N40°09'08"W	142.02'
156-157	N43°35'09"W	200.00'
157-158	N54°31'41"W	152.78'
158-159	N13°28'20"W	57.80'
159-160	N43°35'09"W	250.00'
160-161	N54°20'38"W	101.79'
161-162	N22°46'45"W	53.49'
162-163	N43°35'09"W	188.53'
163-164	N45°33'26"W	261.63'
164-165	N16°33'51"W	56.13'
165-166	N43°31'26"W	74.12'
166-167	N43°37'54"W	100.60'
169-170	S50°31'40"W	16.50'
171-172	N55°32'19"E	62.62'
172-173	N55°32'19"E	69.39'
173-140	S68°41'50"E	115.87'

STATION OFFSET TABLE		
POINT	STATION	OFFSET
140	25+93.63'KL'	69.99' LT
141	26+30.00'KL'	62.00' LT
142	27+37.63'KL'	34.87' LT
143	27+39.08'KL'	31.11' RT
144	641+91.24	66.61' RT
145	640+16.59	65.26' RT
146	639+00.00	65.42' RT
147	638+00.00	90.00' RT
148	633+00.00	90.00' RT
149	632+00.00	65.77' RT
150	626+57.61	66.11' RT
151	625+62.10	101.90' RT
152	625+00.00	105.00' RT
153	624+00.00	65.66' RT
154	624+00.00	0.00' RT
155	624+00.00	74.24' LT
156	625+41.77	65.82' LT
157	627+41.77	65.94' LT
158	628+91.76	95.04' LT
159	629+41.77	66.07' LT
160	631+91.77	66.22' LT
161	632+91.76	85.29' LT
162	633+41.78	66.32' LT
163	635+30.31	66.43' LT
164	637+91.77	75.60' LT
165	638+41.79	50.13' LT
166	639+15.92	50.09' LT
167	640+16.51	50.24' LT
168	640+40.92	50.11' LT
169	641+92.06	48.89' LT
170	641+92.37	65.39' LT
171	645+00.00	62.62' LT
172	645+00.00	0.00' LT
173	645+00.00	69.39' RT
174	27+38.40'KL'	0.00' RT

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
167-169	178.13'	2914.29' R	N41°50'05"W	178.10'
167-168	24.40'	2914.29' R	N43°14'45"W	24.40'
168-169	153.73'	2914.29' R	N41°36'39"W	153.71'
170-171	314.46'	2930.79' R	N37°00'24"W	314.31'

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1623	3/4" REBAR	454377.552	835069.323
1624	3/4" REBAR	454373.507	835101.191
1627	3/4" REBAR	453773.578	835599.560
1631	3/4" REBAR	453284.263	835842.232
1632	3/4" REBAR	453340.801	835828.847
1633	3/4" REBAR	453521.653	835656.533
1634	3/4" REBAR	453581.033	835573.960
1635	3/4" REBAR	453630.317	835553.043

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
102	SCENIC RIVERS ENERGY COOPERATIVE	RELEASE OF RIGHTS

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453, PROJECT T 08-1(21), AND PROJECT 1650-01-21 AND
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

UTILITY INTEREST TABLE							
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION	UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	4	EASEMENT	DOC. # 58829	100	20	EASEMENT	DOC. # 59929
	4	EASEMENT	DOC. # 59927	101	7	EASEMENT	DOC. # 447540
	5	EASEMENT	DOC. # 58836		20	NO EASEMENT OF RECORD	
	5	EASEMENT	DOC. # 60097	102	7	EASEMENT	DOC. # 126902
	6	EASEMENT	DOC. # 58836		7	EASEMENT	DOC. # 410140
	6	EASEMENT	DOC. # 60097		8	EASEMENT	DOC. # 126902
	7	EASEMENT	DOC. # 58828		8	EASEMENT	DOC. # 410140
	7	EASEMENT	DOC. # 59929		20	EASEMENT	DOC. # 126902
	8	EASEMENT	DOC. # 58828				
	8	EASEMENT	DOC. # 59929				
	20	EASEMENT	DOC. # 58828				

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 9-13-2022
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : 4.
PLOT SCALE : N/A
PLOT BY : SEH
PLOT DATE : 9/13/2022
FILE NAME : P:\UZ\W\Wi\sw\Common\117738_modison\RDUSH6103 A3.dgn
APPRAISAL PLAT DATE : 9-1-2022

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.04 AMENDMENT NO. 1

AMENDS UTILITY NO. 102, ADDS UTILITY NO. 101, AND REMOVES UTILITY NO. 103 OF TRANSPORTATION PROJECT PLAT 1650-06-20-4.04 RECORDED AS DOCUMENT NO. 788453

PART OF THE LOT 1, CERTIFIED SURVEY MAP NO. 1918, VOLUME 19, PAGE 54, DOCUMENT NO. 793059 LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, PART OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, PART OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 1, T2N, R3W, TOWN OF POTOSI, GRANT COUNTY, WISCONSIN.

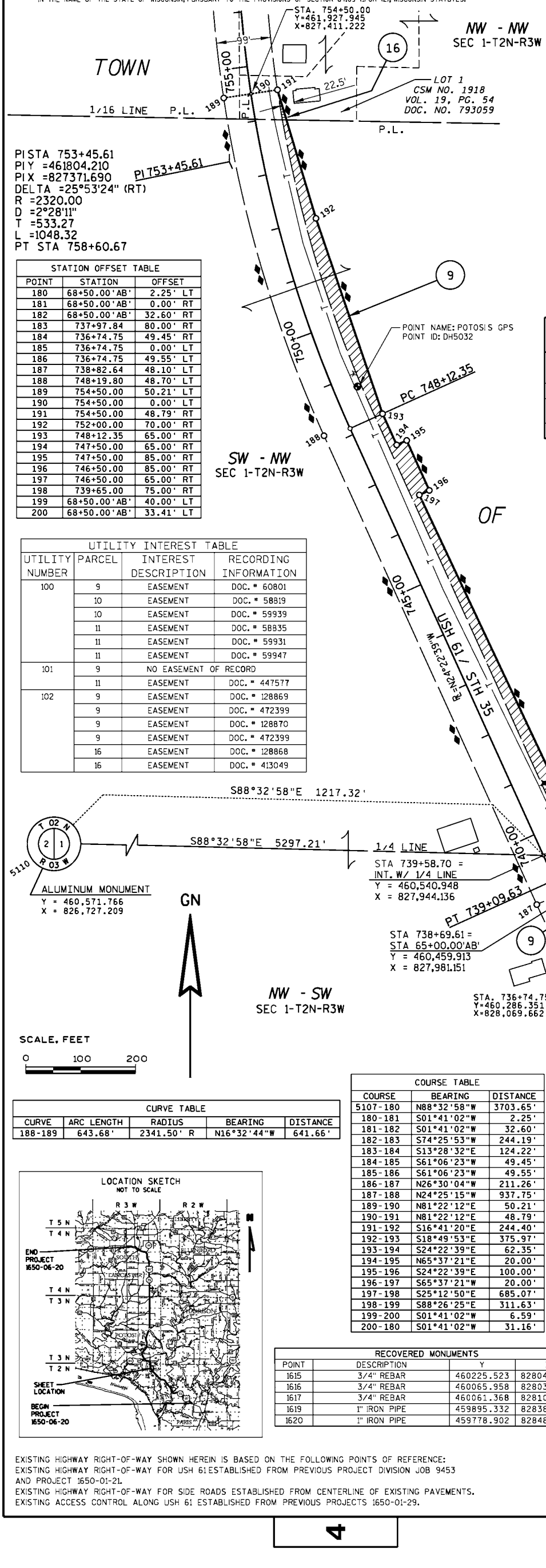
RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

GRANT COUNTY, WI
RECEIVED FOR RECORD
03/29/2021 09:52 AM
#819219
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20 4.04
AMENDMENT NO. 1



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 ACRES REQUIRED NEW	EXISTING	TOTAL
9	B & B FARMS, INC.	FEE	0.71	3.46	4.17
10	MATTHEW M. YOOSE; AND DENNIS L. YOOSE, RESERVING LIFE ESTATE	FEE	0.05	0.18	0.23
11	TOBIN FARMS, LLC	FEE	0.28	0.22	0.50
16	DONALD M. KLEIN & TRACIE L. KLEIN	FEE	0.01	0.12	0.13

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
102	SCENIC RIVERS ENERGY COOPERATIVE	RELEASE OF RIGHTS

STATION OFFSET TABLE		
POINT	STATION	OFFSET
180	68+50.00'AB'	2.25' LT
181	68+50.00'AB'	0.00' RT
182	68+50.00'AB'	32.60' RT
183	737+97.84	80.00' RT
184	736+74.75	49.45' RT
185	736+74.75	0.00' LT
186	736+74.75	49.55' LT
187	738+82.64	48.10' LT
188	748+19.80	48.70' LT
189	754+50.00	50.21' LT
190	754+50.00	0.00' LT
191	754+50.00	48.79' RT
192	752+00.00	70.00' RT
193	748+12.35	65.00' RT
194	747+50.00	65.00' RT
195	747+50.00	85.00' RT
196	746+50.00	85.00' RT
197	746+50.00	65.00' RT
198	739+65.00	75.00' RT
199	68+50.00'AB'	40.00' LT
200	68+50.00'AB'	33.41' LT

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	9	EASEMENT	DOC. # 60801
	10	EASEMENT	DOC. # 58819
	10	EASEMENT	DOC. # 59939
	11	EASEMENT	DOC. # 58835
	11	EASEMENT	DOC. # 59931
	11	EASEMENT	DOC. # 59947
101	9	NO EASEMENT OF RECORD	
	11	EASEMENT	DOC. # 447577
102	9	EASEMENT	DOC. # 128869
	9	EASEMENT	DOC. # 472399
	9	EASEMENT	DOC. # 128870
	9	EASEMENT	DOC. # 472399
	16	EASEMENT	DOC. # 128868
	16	EASEMENT	DOC. # 413049

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
188-189	643.68'	2341.50' R	N16°32'44"W	641.66'

COURSE TABLE		
COURSE	BEARING	DISTANCE
5107-180	N88°32'58"W	3703.65'
180-181	S01°41'02"W	2.25'
181-182	S01°41'02"W	32.60'
182-183	S74°25'53"W	244.19'
183-184	S13°28'32"E	124.22'
184-185	S61°06'23"W	49.45'
185-186	S61°06'23"W	49.55'
186-187	N26°30'04"W	211.26'
187-188	N24°25'15"W	937.75'
189-190	N81°22'12"E	50.21'
190-191	N81°22'12"E	48.79'
191-192	S16°41'20"E	244.40'
192-193	S18°49'53"E	375.97'
193-194	S24°22'39"E	62.35'
194-195	N65°37'21"E	20.00'
195-196	S24°22'39"E	100.00'
196-197	S65°37'21"W	20.00'
197-198	S25°12'50"E	685.07'
198-199	S88°26'25"E	311.63'
199-200	S01°41'02"W	6.59'
200-180	S01°41'02"W	31.16'

LOCATION SKETCH
NOT TO SCALE

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1615	3/4" REBAR	460225.523	828046.801
1616	3/4" REBAR	460065.958	828036.399
1617	3/4" REBAR	460061.368	828101.983
1619	1" IRON PIPE	459895.332	828389.098
1620	1" IRON PIPE	459778.902	828487.880

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453 AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

PLOT SCALE : N/A
PLOT NAME :
PLOT BY : SEH
PLOT DATE : 3/25/2021
FILE NAME : P:\UZ\WV\Wi+sw\Common\117738_madison\RDUSH6104A1.dgn
APPRAISAL PLAT DATE : 1-18-2021

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.05 AMENDMENT NO. 1

REMOVES UTILITY NO. 109, ADDS UTILITY NO. 106, AND AMENDS PARCEL 13 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.05 RECORDED AS DOCUMENT NO. 788454

PART LOT 25 IN THE SUBDIVISION OF SECTION 35 LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 35, T3N, R3W, VILLAGE OF POTOSI, GRANT COUNTY, WISCONSIN

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

GRANT COUNTY, WI
RECEIVED FOR RECORD
03/29/2021 09:53 AM
#819220
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.05
AMENDMENT NO. 1

1" REBAR WITH CAP
Y = 468,534.282
X = 821,435.919

T03N R03W Sec 27 26 34 35 — 1371

S89°59'08"E 2658.96'

3/4" REBAR WITH CAP
Y = 468,533.611
X = 824,094.877

T03N R03W Sec 26 35 — 1370

PI STA 836+50.48
PI Y =468054.390
PI X =823017.230
DELTA =70°19'20" (RT)
R =1845.00
D =3°06'20"
T =1299.63
L =2264.47
PT STA 846+15.32

VILLAGE

VARIABLE R/W

10' WATERMAIN EASEMENT DOC. # 443759

00+528

S14°50'20"E 1658.20'

PC 823+50.85

TLE - SLOPES 0.10 AC. — 13

LOT 25 OF THE SUBDIVISION OF SECTION 35

SE - NW SEC 35-T3N-R3W

P.L.

OF

107.25'

TENNYSON

00+028

USH 61 / STH 35

R=1130.09'

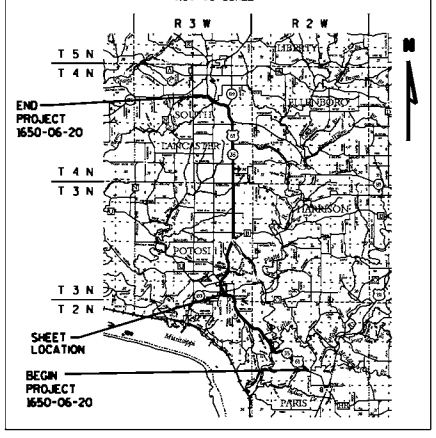
815+00

POTOSI

GN

STATION OFFSET TABLE		
POINT	STATION	OFFSET
205	822+45.00	57.55' LT
206	823+02.24	81.52' LT
207	823+50.85	85.00' LT
208	824+50.00	75.00' LT
209	824+50.00	55.51' LT

LOCATION SKETCH
NOT TO SCALE



UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
106	VILLAGE OF TENNYSON (WATER)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
106	13	EASEMENT	DOC. # 443759

SCALE, FEET
0 50 100

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
13	JOINT SCHOOL DISTRICT 1 AND 10 OF THE VILLAGES OF POTOSI AND TENNYSON AND THE TOWNS OF POTOSI, HARRISON AND AND PARIS, GRANT COUNTY	TLE	---	---	---	0.10

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453 AND PROJECT 1650-06-02.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — JASON L. CANCE S-2688 CHIPPEWA FALLS WI — LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

PLOT SCALE : N/A
PLOT BY : SEH
PLOT DATE : 3/25/2021
FILE NAME : P:\UZ\WY\Wi+sw\Common\117738_madison\RDUSH6105A1.dgn
APPRAISAL PLAT DATE : 1-18-2021

GRANT COUNTY, WI
RECEIVED FOR RECORD
03/30/2021 11:43 AM
#819281
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.06
AMENDMENT NO. 1

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.06 AMENDMENT NO. 1

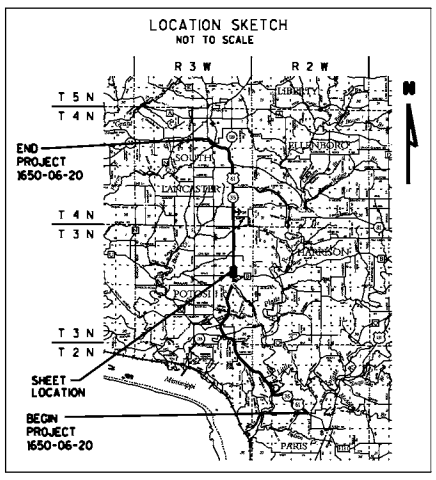
ADDS PARCEL 140, ADDS UTILITY NO. 111, AMENDS PARCEL 14, REMOVES UTILITY NO. 103, AND ADDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.06 RECORDED AS DOCUMENT NO. 788455.

PART OF LOT 1 CERTIFIED SURVEY MAP NO. 726, PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 13, PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, AND PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 14, ALL IN T3N, R3W, TOWN OF POTOSI, GRANT COUNTY, WISCONSIN

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.



ALUMINUM MONUMENT
STA 1010+01.55
20.34' LT
Y = 484,458.585
X = 826,775.149

ALUMINUM MONUMENT
Y = 484,476.800
X = 824,124.129

NO. 8 REBAR W/ GRANT CO. CAP
Y = 484,441.937
X = 829,411.866

S89°38'18"E 20.34'
S89°38'18"E 2616.43'
P.L. S89°36'23"E 2651.08'
STA. 1010+01.29
P.L. S89°38'18"E 2636.77'
STA 1010+01.29 = INT. W/ SEC. LINE
Y = 484,458.457
X = 826,795.486

STA. 1007+00.00
Y=484,157.168
X=826,797.405

LOT 1 CSM 726 DOC. 625063

USH 61 / STH 35

1010+00
1005+00
1000+00
995+00
990+00
985+00

N00°14'34"W 2658.91'
SECTION LINE
1/16 LINE
P.L.
132'
100'
84'
R=N00°21'53"W

101
111
14
140
100
OF

TOWN

NE - NE
SEC 14-T3N-R3W

NW - NW
SEC 13-T3N-R3W

SE - NE
SEC 14-T3N-R3W

SW - NW
SEC 13-T3N-R3W

TRACT 1
TRACT 2
PLAT OF SURVEY BY LARRY AUSTIN DATED 3-22-2005

STA. 987+50.00
Y=482,207.208
X=826,809.822

ABING RD
1/4 LINE
CTH B
66'
83'

1/2" STEEL COTTON GIN SPIKE
STA. 983+42.65
26.01' LT
Y = 481,799.702
X = 826,786.411

POTOSI

SCALE, FEET
0 100 200

STATION OFFSET TABLE		
POINT	STATION	OFFSET
215	1007+00.00	20.98' LT
216	1007+00.00	0.00' RT
217	1007+00.00	65.67' RT
218	1006+00.00	90.00' RT
219	1005+00.00	100.00' RT
220	1001+00.00	75.00' RT
221	990+00.00	60.00' RT
222	987+50.00	49.19' RT
223	987+50.00	0.00' RT
224	987+50.00	25.14' LT
225	987+50.00	50.81' LT
226	1002+23.22	50.45' LT
227	1002+23.22	66.45' LT
228	1007+00.00	66.33' LT

COURSE TABLE		
COURSE	BEARING	DISTANCE
1361-215	S00°14'34"E	301.55'
215-216	N89°38'07"E	20.98'
216-217	N89°38'07"E	65.67'
217-218	S14°02'31"E	102.92'
218-219	S06°04'33"E	100.50'
219-220	S03°12'41"W	400.78'
220-221	S00°24'59"W	1100.10'
221-222	S02°06'42"W	250.23'
222-223	S89°38'07"W	49.19'
223-224	S89°38'07"W	25.14'
224-225	S89°38'07"W	25.68'
225-226	N00°21'03"W	1473.22'
226-227	S89°38'57"W	16.00'
227-228	N00°21'03"W	476.78'
228-215	N89°38'07"E	45.36'

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 ACRES REQUIRED NEW	EXISTING	TOTAL
14	MOUW FAMILY INVESTMENTS, L.L.C.	FEE	0.56	3.19	3.75
140	HAROLD R. DEBACK AND CAROL J. DEBACK REVOCABLE TRUST	FEE	0.27	1.55	1.82

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
111	CHARTER COMMUNICATIONS (FIBER OPTIC)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	14	EASEMENT	DOC. # 121989
	14	EASEMENT	DOC. # 58824
	140	EASEMENT	DOC. # 121989
	140	EASEMENT	DOC. # 58824
101	14	EASEMENT	DOC. # 654420
	140	EASEMENT	DOC. # 654420
111	14	NO EASEMENT OF RECORD	

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1580	3/4" REBAR	484457.895	826848.082
1581	3/4" REBAR	483708.235	826859.820
1582	3/4" REBAR	482074.755	826759.771
1583	3/4" REBAR	482353.905	826759.298
1584	3/4" REBAR	481837.858	826761.270

GN

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECT 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZ\WW\Wi+sw\Common\117738_madison\RDUSH6106A1.dgn
PLOT DATE : 3/25/2021
PLOT BY : SEH
PLOT SCALE : N/A
APPRAISAL PLAT DATE : 1-18-2021

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.07 AMENDMENT NO. 2

AMENDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.07 AMENDMENT NO.1 RECORDED AS DOCUMENT NO. 819282

PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 12, T3N, R3W, TOWN OF POTOSI, GRANT COUNTY, WISCONSIN

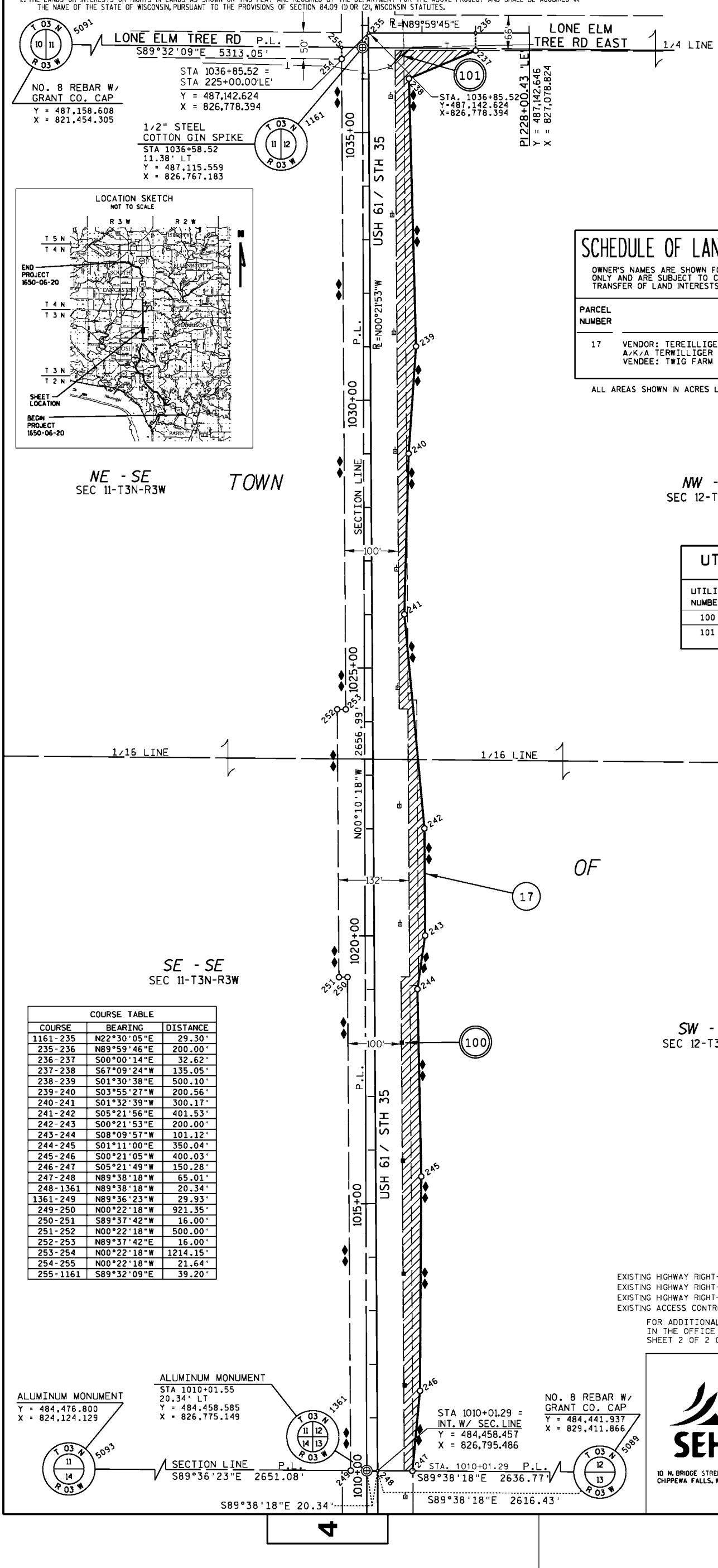
RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

832412
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/16/2022 01:37:51 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 76D
PAGES RECORDED: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.07
AMENDMENT NO. 2



LOCATION SKETCH
NOT TO SCALE

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 ACRES REQUIRED NEW	EXISTING	TOTAL
17	VENDOR: TEREILLIGER BROS. FARMS LTD, A/K/A TERWILLIGER BROTHERS FARMS LTD VENDEE: TWIG FARM LLC	FEE	1.70	4.19	5.89

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	17	AMBIGUOUS EASEMENT	DOC. # 121984
	17	BLANKET EASMENT	DOC. # 58883
101	17	BLANKET EASEMENT	DOC. # 449201
	17	EASEMENT	DOC. # 655361

STATION OFFSET TABLE

POINT	STATION	OFFSET
235	1036+85.52	0.00' RT
236	227+00.00'LE'	0.00' RT
237	227+00.00'LE'	32.62' RT
238	1036+00.00	75.00' RT
239	1031+00.00	85.00' RT
240	1029+00.00	70.00' RT
241	1026+00.00	60.00' RT
242	1022+00.00	95.00' RT
243	1020+00.00	95.00' RT
244	1019+00.00	80.00' RT
245	1015+50.00	85.00' RT
246	1011+50.00	80.00' RT
247	1010+00.47	65.00' RT
248	1010+01.29	0.00' RT
249	1010+01.95	50.26' LT
250	1019+23.29	50.37' LT
251	1019+23.29	66.37' LT
252	1024+23.29	66.43' LT
253	1024+23.29	50.43' LT
254	1036+37.45	50.57' LT
255	1036+59.09	50.57' LT

COURSE TABLE

COURSE	BEARING	DISTANCE
1161-235	N22°30'05"E	29.30'
235-236	N89°59'46"E	200.00'
236-237	S00°00'14"E	32.62'
237-238	S67°09'24"W	135.05'
238-239	S01°30'38"E	500.10'
239-240	S03°55'27"W	200.56'
240-241	S01°32'39"W	300.17'
241-242	S05°21'56"E	401.53'
242-243	S00°21'53"E	200.00'
243-244	S08°09'57"W	101.12'
244-245	S01°11'00"E	350.04'
245-246	S00°21'05"W	400.03'
246-247	S05°21'49"W	150.28'
247-248	N89°38'18"W	65.01'
248-1361	N89°38'18"W	20.34'
1361-249	N89°36'23"W	29.93'
249-250	N00°22'18"W	921.35'
250-251	S89°37'42"W	16.00'
251-252	N00°22'18"W	500.00'
252-253	N89°37'42"E	16.00'
253-254	N00°22'18"W	1214.15'
254-255	N00°22'18"W	21.64'
255-1161	S89°32'09"E	39.20'

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9/16/2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 9/16/2022
PRINTED NAME: CORY SCHLAGEL

4.
PLOT SCALE : N/A
PLOT NAME :
PLOT BY : SEH
PLOT DATE : 9/1/2022
FILE NAME : P:\UZ\WW\Wi\tsw\Common\117738_madison\RDUSH6107 A2.dgn
APPRAISAL PLAT DATE : 9-1-2022

832414
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/16/2022 01:40:03 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 77A
PAGES RECORDED: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.08
AMENDMENT NO. 1

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.08 AMENDMENT NO. 1

ADDS UTILITY NO. 101 TO TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.08 RECORDED AS DOCUMENT NO. 788457

PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 11, T3N, R3W, PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND PART SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 12, T3N, R3W, ALL IN TOWN OF POTOSI, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

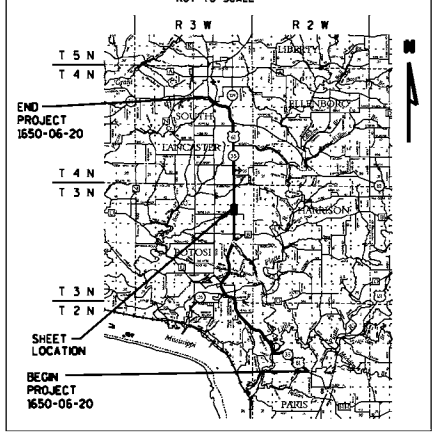
SCHEDULE OF LANDS & INTERESTS REQUIRED

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 ACRES REQUIRED NEW	EXISTING	TOTAL
17	VENDOR: TEREILLIGER BROS. FARMS LTD, A/K/A TERWILLIGER BROTHERS FARMS LTD VENDEE: TWIG FARM LLC	FEE	1.25	4.91	6.16

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

LOCATION SKETCH
NOT TO SCALE



UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	17	EASEMENT	DOC. # 121984
	17	EASEMENT	DOC. # 121985
	17	EASEMENT	DOC. # 58885
	17	EASEMENT	DOC. # 58883
101	17	EASEMENT	DOC. # 655361

COURSE TABLE

COURSE	BEARING	DISTANCE
1161-255	N89°32'09"W	39.15'
255-260	N00°22'18"W	27.86'
260-261	N00°22'18"W	1873.61'
261-262	S89°37'42"W	16.00'
262-263	N00°22'18"W	558.00'
263-264	N89°37'42"E	16.00'
264-265	N00°22'18"W	197.75'
265-1160	S89°30'04"E	48.15'
1160-266	N10°26'18"E	14.67'
266-267	N89°38'07"E	65.00'
267-268	S00°21'53"E	30.00'
268-269	S04°39'14"E	401.12'
269-270	S03°38'22"W	501.22'
270-271	S01°30'38"E	250.05'
271-272	S04°10'44"E	150.33'
272-273	S00°21'53"E	700.00'
273-274	S14°00'53"W	103.23'
274-275	S00°22'18"E	100.00'
275-276	S27°29'59"E	56.19'
276-277	S00°21'53"E	300.00'
277-278	S75°52'16"E	129.32'
278-236	S00°00'14"E	33.38'
236-237	S00°00'14"E	32.62'
237-238	S67°09'24"W	135.05'
238-1161	N56°14'52"W	104.34'

Point	Station	Offset
236	227+00.00'LE'	0.00' RT
237	227+00.00'LE'	32.62' RT
238	1036+00.00	75.00' RT
255	1036+59.09	50.57' LT
260	1036+86.95	50.58' LT
261	1055+60.56	50.80' LT
262	1055+60.56	66.80' LT
263	1061+18.56	66.86' LT
264	1061+18.56	50.86' LT
265	1063+16.31	50.89' LT
266	1063+30.00	0.00' RT
267	1063+30.00	65.00' RT
268	1063+00.00	65.00' RT
269	1059+00.00	95.00' RT
270	1054+00.00	60.00' RT
271	1051+50.00	65.00' RT
272	1050+00.00	75.00' RT
273	1043+00.00	75.00' RT
274	1042+00.00	49.36' RT
275	1041+00.00	49.37' RT
276	1040+50.00	75.00' RT
277	1037+50.00	75.00' RT
278	227+00.00'LE'	33.38' LT

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

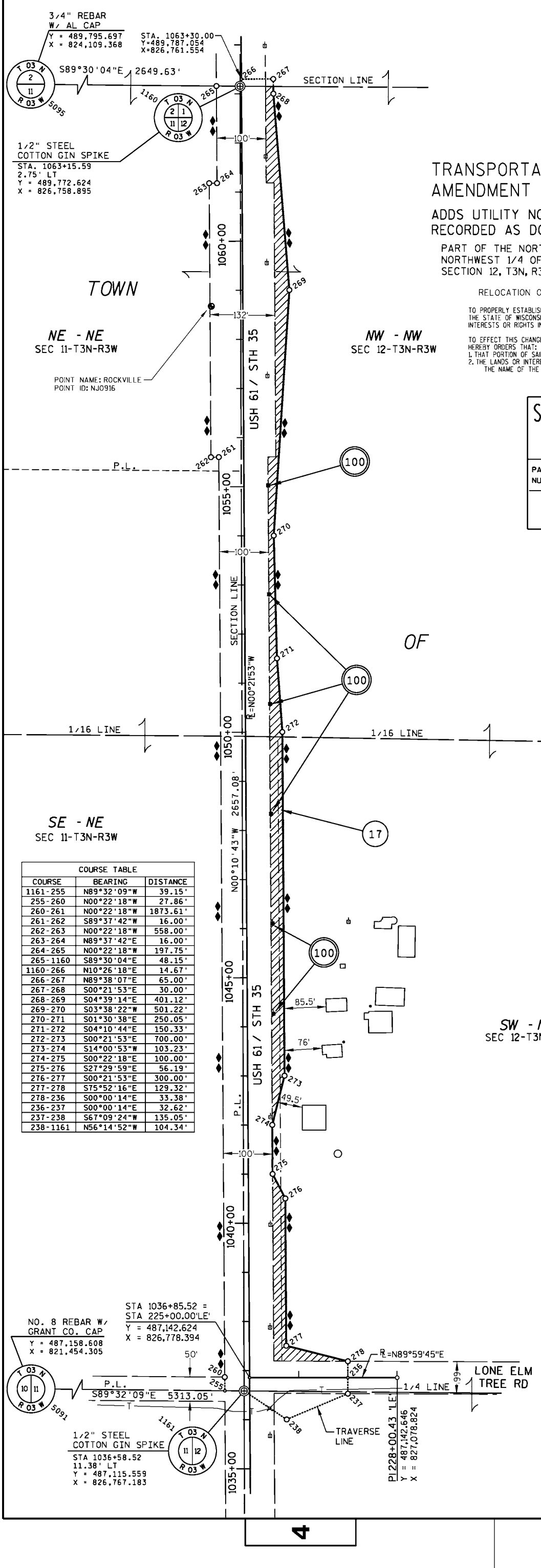
I, JASON L. CANCE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9/16/2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 9/16/2022
PRINTED NAME: CORY SCHLAGEL



PLOT SCALE : N/A
PLOT NAME :
PLOT BY : SEH
PLOT DATE : 9/1/2022
FILE NAME : P:\UZ\WW\Itsw\Common\117738_madison\RDUSH-6108 A1.dgn
APPRAISAL PLAT DATE : 9-1-2022

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.09 AMENDMENT NO. 1

REMOVES UTILITY NO. 103 AND ADDS UTILTY NO. 101 TO TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.09 RECORDED AS DOCUMENT NO. 788458

PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 1, AND PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 2, ALL IN T3N, R3W, TOWN OF POTOSI, GRANT COUNTY, WISCONSIN

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

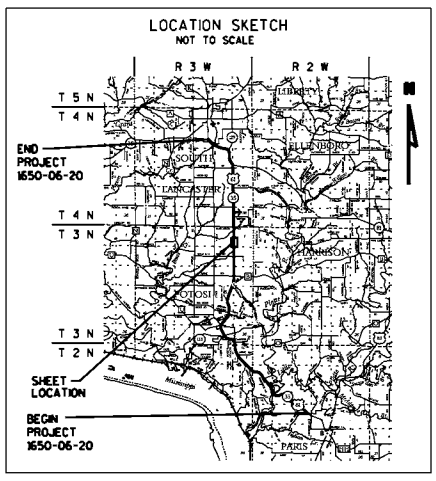
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN 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.

GRANT COUNTY, WI
RECEIVED FOR RECORD
03/30/2021 11:43 AM
#819283
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.09
AMENDMENT NO. 1

LOCATION SKETCH
NOT TO SCALE



1159 T 03 N R 03 W (2 1)

1/2" STEEL COTTON GIN SPIKE
STA 1089+74.23
12.11' RT
Y = 492,431.306
X = 826,756.827

NE - SE
SEC 2-T3N-R3W

TOWN

NW - SW
SEC 1-T3N-R3W

UTILITY SCHEDULE & INTEREST REQUIRED		
UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	17	EASEMENT	DOC. # 121985
	17	EASEMENT	DOC. # 58884
	18	EASEMENT	DOC. # 121985
	18	EASEMENT	DOC. # 121967
	18	EASEMENT	DOC. # 58816
101	17	EASEMENT	DOC. # 655361

N00°02'40"W 2658.68'

1/16 LINE

1/16 LINE

N00°02'40"W 2166.70'

SECTION LINE

1075+00

100'

STA. 1073+00.00
Y=490,757.036
X=826,755.377

P.L.

291 285 286

OF

USH 61 / STH 35

SW - SW
SEC 1-T3N-R3W

SE - SE
SEC 2-T3N-R3W

287

18

1070+00

P.L.

P.L.

R=N00°21'53"W

288

STA 1068+07.56 =
INT. W/ SEC. LINE
Y = 490,264.605
X = 826,758.513

LOT 1
CSM 693
DOC. 623234

Point	Station	Offset
265	1063+16.31	50.89' LT
267	1063+30.00	65.00' RT
268	1063+00.00	65.00' RT
285	1073+00.00	2.75' RT
286	1073+00.00	49.14' RT
287	1071+00.00	75.00' RT
288	1069+00.00	70.00' RT
289	1064+50.00	75.00' RT
290	1063+00.00	0.00' RT
291	1071+00.00	50.88' LT

POTOSI

P.L.

COURSE TABLE		
COURSE	BEARING	DISTANCE
1160-265	N89°30'04"W	48.14'
265-291	N00°21'49"W	983.69'
291-285	N89°38'07"E	53.62'
285-286	N89°38'07"E	46.38'
286-287	S07°44'01"E	201.67'
287-288	S01°04'02"W	200.06'
288-289	S01°00'05"E	450.03'
289-267	S04°23'56"W	120.42'
267-268	S00°21'53"E	30.00'
268-290	S89°38'07"W	65.00'
290-1160	N10°22'20"W	15.83'

100'

N00°02'40"W 491.98'

1065+00

P.L.

16.5' TELEPHONE EASEMENT DOC. # 655361

289

17

POINT NAME: 1S07
POINT ID: DH8311

GN

SCALE, FEET
0 100 200

5095 T 03 N R 03 W (2 11)

S89°30'04"E 2649.63'

267

SECTION LINE

265 290 268

3/4" REBAR
W/ AL CAP
Y = 489,795.697
X = 824,109.368

1160 T 03 N R 03 W (2 1 11 12)

1/2" STEEL COTTON GIN SPIKE
STA. 1063+15.59
2.75' LT
Y = 489,772.624
X = 826,758.895

STA. 1063+00.00
Y=489,757.055
X=826,761.745

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

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 ACRES REQUIRED NEW	EXISTING	TOTAL
17	VENDOR: TEREILLIGER BROS. FARMS LTD, A/K/A TERWILLIGER BROTHERS FARMS LTD VENDEE: TWIG FARM LLC	FEE	0.35	1.25	1.60
18	DWIGHT L. FREAR	FEE	0.12	0.34	0.46

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : 4.
PLOT SCALE : N/A
PLOT BY : SEH
PLOT DATE : 3/25/2021
FILE NAME : P:\UZ\W\Wi tsw\Common\117738_madison\RDUSH6109 A1.dgn
APPRAISAL PLAT DATE :

832377
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/15/2022 02:27:32 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 78C
PAGES RECORDED: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.10
AMENDMENT NO. 2

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.10 AMENDMENT NO. 2

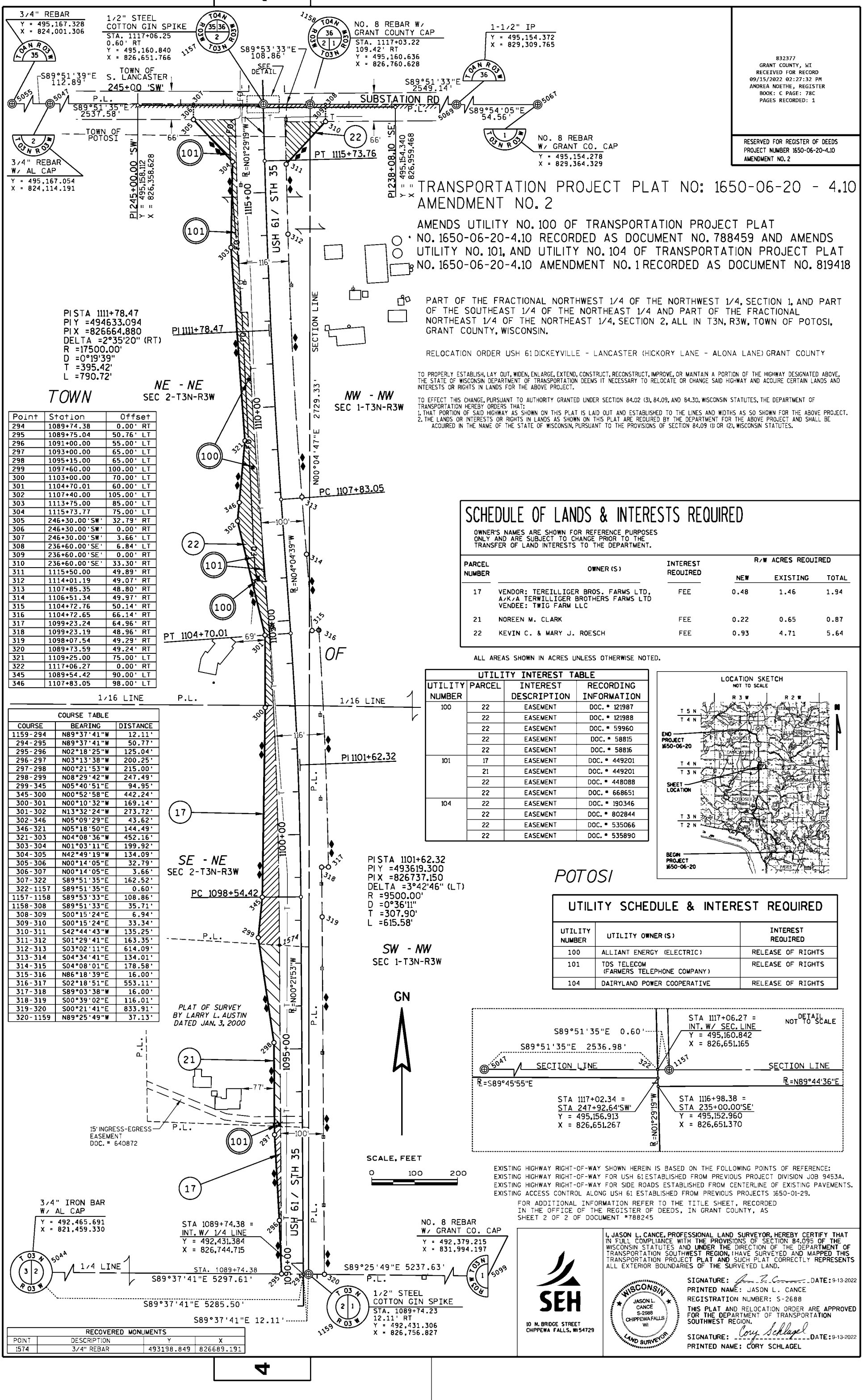
AMENDS UTILITY NO. 100 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.10 RECORDED AS DOCUMENT NO. 788459 AND AMENDS UTILITY NO. 101, AND UTILITY NO. 104 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.10 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819418

PART OF THE FRACTIONAL NORTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 1, AND PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 AND PART OF THE FRACTIONAL NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 2, ALL IN T3N, R3W, TOWN OF POTOSI, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.



Point	Station	Offset
294	1089+74.38	0.00' RT
295	1089+75.04	50.76' LT
296	1091+00.00	55.00' LT
297	1093+00.00	65.00' LT
298	1095+15.00	65.00' LT
299	1097+60.00	100.00' LT
300	1103+00.00	70.00' LT
301	1104+70.01	60.00' LT
302	1107+40.00	105.00' LT
303	1113+75.00	85.00' LT
304	1115+73.77	75.00' LT
305	246+30.00'SW'	32.79' RT
306	246+30.00'SW'	0.00' RT
307	246+30.00'SW'	3.66' LT
308	236+60.00'SE'	6.84' LT
309	236+60.00'SE'	0.00' RT
310	236+60.00'SE'	33.30' RT
311	1115+50.00	49.89' RT
312	1114+01.19	49.07' RT
313	1107+85.35	48.80' RT
314	1106+51.34	49.97' RT
315	1104+72.76	50.14' RT
316	1104+72.65	66.14' RT
317	1099+23.24	64.96' RT
318	1099+23.19	48.96' RT
319	1098+07.54	49.29' RT
320	1089+73.59	49.24' RT
321	1109+25.00	75.00' LT
322	1117+06.27	0.00' RT
345	1089+54.42	90.00' LT
346	1107+83.05	98.00' LT

COURSE TABLE		
COURSE	BEARING	DISTANCE
1159-294	N89°37'41"W	12.11'
294-295	N89°37'41"W	50.77'
295-296	N02°18'25"W	125.04'
296-297	N03°13'38"W	200.25'
297-298	N00°21'53"W	215.00'
298-299	N08°29'42"W	247.49'
299-345	N05°40'51"E	94.95'
345-300	N00°52'58"E	442.24'
300-301	N00°10'32"W	169.14'
301-302	N13°32'24"W	273.72'
302-346	N05°09'29"E	43.62'
346-321	N05°18'50"E	144.49'
321-303	N04°08'36"W	452.16'
303-304	N01°03'11"E	199.92'
304-305	N42°49'19"W	134.09'
305-306	N00°14'05"E	32.79'
306-307	N00°14'05"E	3.66'
307-322	S89°51'35"E	162.52'
322-1157	S89°51'35"E	0.60'
1157-1158	S89°53'33"E	108.86'
1158-308	S89°51'33"E	35.71'
308-309	S00°15'24"E	6.94'
309-310	S00°15'24"E	33.34'
310-311	S42°44'43"W	135.25'
311-312	S01°29'41"E	163.35'
312-313	S03°02'11"E	614.09'
313-314	S04°34'41"E	134.01'
314-315	S04°08'01"E	178.58'
315-316	N86°18'39"E	16.00'
316-317	S02°18'51"E	553.11'
317-318	S89°03'38"W	16.00'
318-319	S00°39'02"E	116.01'
319-320	S00°21'41"E	833.91'
320-1159	N89°25'49"W	37.13'

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1574	3/4" REBAR	493198.849	826689.191

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 ACRES REQUIRED NEW	EXISTING	TOTAL
17	VENDOR: TEREILLIGER BROS. FARMS LTD, A/K/A TERWILLIGER BROTHERS FARMS LTD VENDEE: TWIG FARM LLC	FEE	0.48	1.46	1.94
21	NOREEN M. CLARK	FEE	0.22	0.65	0.87
22	KEVIN C. & MARY J. ROESCH	FEE	0.93	4.71	5.64

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	22	EASEMENT	DOC. # 121987
	22	EASEMENT	DOC. # 121988
	22	EASEMENT	DOC. # 59960
	22	EASEMENT	DOC. # 58815
	22	EASEMENT	DOC. # 58816
101	17	EASEMENT	DOC. # 449201
	21	EASEMENT	DOC. # 449201
	22	EASEMENT	DOC. # 448088
	22	EASEMENT	DOC. # 668651
104	22	EASEMENT	DOC. # 190346
	22	EASEMENT	DOC. # 802844
	22	EASEMENT	DOC. # 535066
	22	EASEMENT	DOC. # 535890

POTOSI

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
104	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 9-13-2022
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : 4.
PLOT SCALE : N/A
PLOT BY : SEH
PLOT DATE : 9/13/2022
FILE NAME : P:\UZ\W\Wi+sw\Common\117738_madison\RDUSH6110A2.dgn
APPRAISAL PLAT DATE : 9-1-2022

GRANT COUNTY, WI
RECEIVED FOR RECORD
04/05/2022 12:17 PM
#828831
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.11
AMENDMENT NO. 2

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.11 AMENDMENT NO. 2

AMENDS PARCEL 25 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.11 RECORDED AS DOCUMENT NO. 788460 AND AMENDS UTILITY NO. 111 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.11 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819419

PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 35, T4N, R3W, AND PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 36, T4N, R3W, ALL IN THE TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

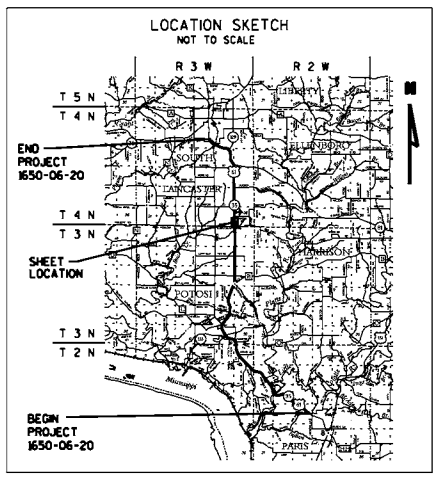
SCHEDULE OF LANDS & INTERESTS REQUIRED

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 ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES
25	BEVERLY J. DEGENHARDT	FEE	0.20	0.28	0.48	---
26	EAGLE CREEK MIDWEST LLC	FEE/TLE	0.84	3.22	4.06	0.01
27	JOEL & RENEE VESPERMAN	FEE	0.09	---	0.09	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

LOCATION SKETCH
NOT TO SCALE



UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	25	EASEMENT	DOC. # 58826
	25	EASEMENT	DOC. # 59339
	25	EASEMENT	DOC. # 121992
	25	EASEMENT	DOC. # 121994
	26	EASEMENT	DOC. # 121994
	27	EASEMENT	DOC. # 121994
101	25	EASEMENT	DOC. # 446726
	25	EASEMENT	DOC. # 682620
	26	EASEMENT	DOC. # 448096
	27	EASEMENT	DOC. # 448096
104	25	EASEMENT	DOC. # 187937
	26	EASEMENT	DOC. # 222599
	26	EASEMENT	DOC. # 187937
	27	EASEMENT	DOC. # 187937
111	25	NO EASEMENT OF RECORD	
	26	NO EASEMENT OF RECORD	

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
104	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS
111	CHARTER COMMUNICATIONS (FIBER OPTIC)	RELEASE OF RIGHTS

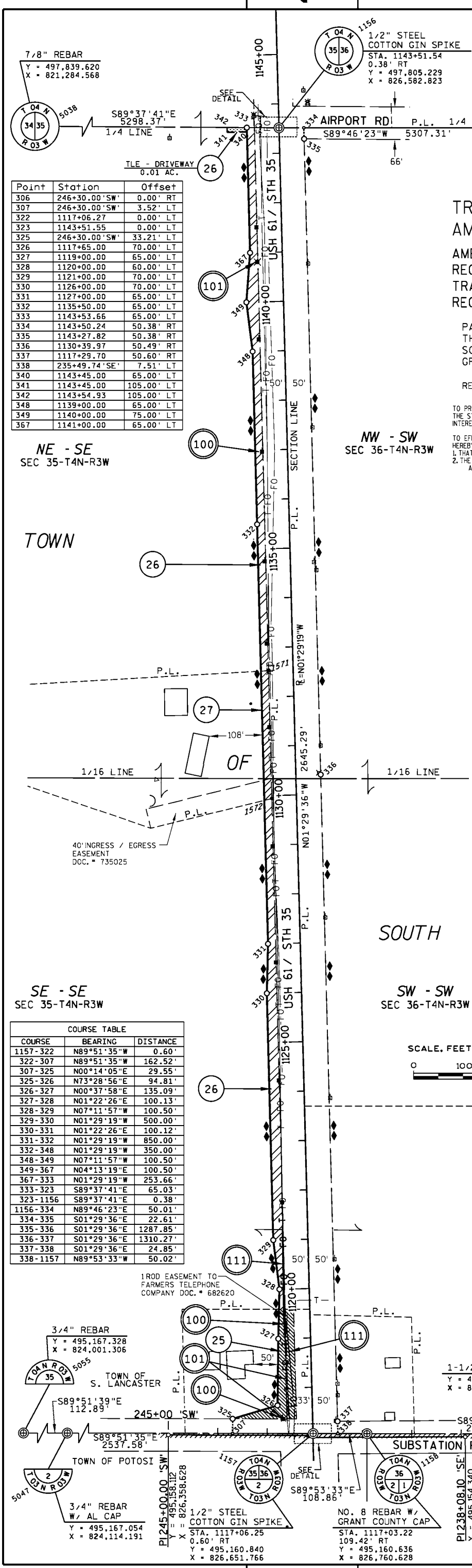
RECOVERED MONUMENTS

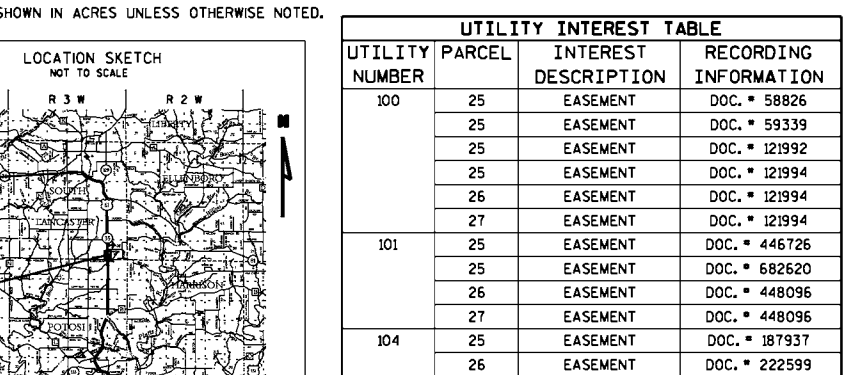
POINT	DESCRIPTION	Y	X
1571	3/4" REBAR	496706.751	826561.409
1572	3/4" REBAR	496447.214	826568.121

Point	Station	Offset
306	246+30.00'SW'	0.00' RT
307	246+30.00'SW'	3.52' LT
322	1117+06.27	0.00' LT
323	1143+51.55	0.00' LT
325	246+30.00'SW'	33.21' LT
326	1117+65.00	70.00' LT
327	1119+00.00	65.00' LT
328	1120+00.00	60.00' LT
329	1121+00.00	70.00' LT
330	1126+00.00	70.00' LT
331	1127+00.00	65.00' LT
332	1135+50.00	65.00' LT
333	1143+53.66	65.00' LT
334	1143+50.24	50.38' RT
335	1143+27.82	50.38' RT
336	1130+39.97	50.49' RT
337	1117+29.70	50.60' RT
338	235+49.74'SE'	7.51' LT
340	1143+45.00	65.00' LT
341	1143+45.00	105.00' LT
342	1143+54.93	105.00' LT
348	1139+00.00	65.00' LT
349	1140+00.00	75.00' LT
367	1141+00.00	65.00' LT

COURSE TABLE

COURSE	BEARING	DISTANCE
1157-322	N89°51'35"W	0.60'
322-307	N89°51'35"W	162.52'
307-325	N00°14'05"E	29.55'
325-326	N73°28'56"E	94.81'
326-327	N00°37'58"E	135.09'
327-328	N01°22'26"E	100.13'
328-329	N07°11'57"W	100.50'
329-330	N01°29'19"W	500.00'
330-331	N01°22'26"E	100.12'
331-332	N01°29'19"W	850.00'
332-348	N01°29'19"W	350.00'
348-349	N07°11'57"W	100.50'
349-367	N04°13'19"E	100.50'
367-333	N01°29'19"W	253.66'
333-323	S89°37'41"E	65.03'
323-1156	S89°37'41"E	0.38'
1156-334	N89°46'23"E	50.01'
334-335	S01°29'36"E	22.61'
335-336	S01°29'36"E	1287.85'
336-337	S01°29'36"E	1310.27'
337-338	S01°29'36"E	24.85'
338-1157	N89°53'33"W	50.02'





FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

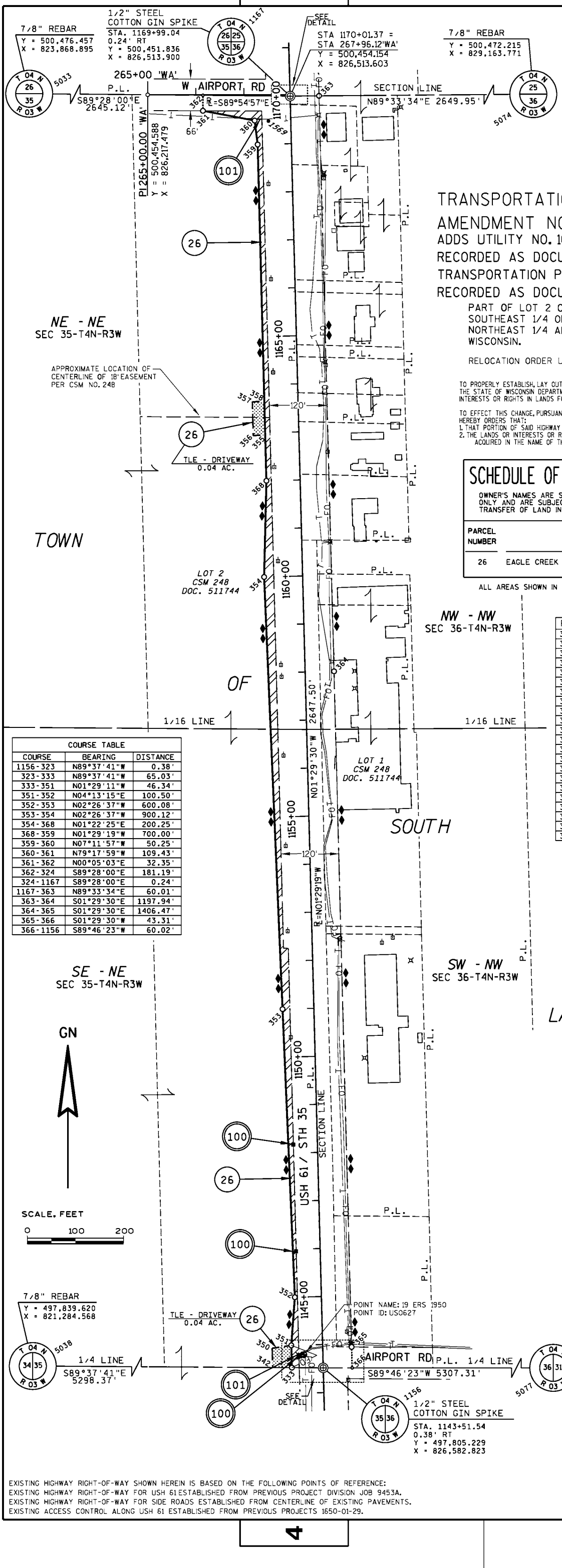
WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 4-5-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 4-5-2022
PRINTED NAME: CORY SCHLAGEL

PLOT DATE : 4/5/2022
PLOT BY : SEH
PLOT NAME : _____
PLOT SCALE : N/A
FILE NAME : P:\UZW\W1tsw\Common\117738_mod.son\RDUSH6111 A2.dgn
APPRAISAL PLAT DATE : _____



832380
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/15/2022 02:31:20 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 79C
PAGES RECORDED: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.12
AMENDMENT NO. 2

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.12 AMENDMENT NO. 2

ADDS UTILITY NO. 104 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.12 RECORDED AS DOCUMENT NO. 788463 AND CLAIRIFIES UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20-4.12 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819482

PART OF LOT 2 CERTIFIED SURVEY MAP NO. 248, VOLUME 1, PAGE 338, PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 ALL IN SECTION 35, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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

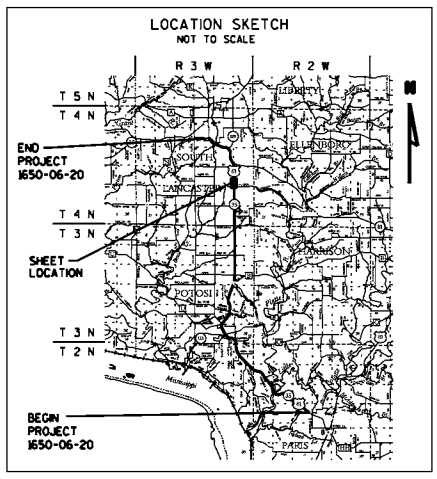
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
26	EAGLE CREEK MIDWEST LLC	FEE/TLE	0.76	3.53	4.29	0.08

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

Point	Station	Offset
323	1143+51.55	0.00' LT
324	1169+99.05	0.00' LT
333	1143+53.66	65.00' LT
342	1143+54.93	105.00' LT
350	1143+95.00	105.00' LT
351	1144+00.00	65.00' LT
352	1145+00.00	55.00' LT
353	1151+00.00	65.00' LT
354	1160+00.00	80.00' LT
355	1162+95.00	59.72' LT
356	1162+95.00	95.00' LT
357	1163+50.00	95.00' LT
358	1163+50.00	59.73' LT
359	1169+00.00	70.00' LT
360	1169+50.00	75.00' LT
361	266+15.00'WA'	33.24' RT
362	266+15.00'WA'	0.89' RT
363	1169+97.94	60.24' RT
364	1158+00.00	60.30' RT
365	1143+93.53	60.38' RT
366	1143+49.98	60.38' RT
368	1162+00.00	70.00' LT

LOCATION SKETCH
NOT TO SCALE



COURSE TABLE		
COURSE	BEARING	DISTANCE
1156-323	N89°37'41"W	0.38'
323-333	N89°37'41"W	65.03'
333-351	N01°29'11"W	46.34'
351-352	N04°13'15"E	100.50'
352-353	N02°26'37"W	600.08'
353-354	N02°26'37"W	900.12'
354-368	N01°22'25"E	200.25'
368-359	N01°29'19"W	700.00'
359-360	N07°11'57"W	50.25'
360-361	N79°17'59"W	109.43'
361-362	N00°05'03"E	32.35'
362-324	S89°28'00"E	181.19'
324-1167	S89°28'00"E	0.24'
1167-363	N89°33'34"E	60.01'
363-364	S01°29'30"E	1197.94'
364-365	S01°29'30"E	1406.47'
365-366	S01°29'30"W	43.31'
366-1156	S89°46'23"W	60.02'

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
104	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	26	EASEMENT	DOC. # 121994
101	26	EASEMENT	DOC. # 448096
	26	NO EASEMENT OF RECORD	
104	26	EASEMENT	DOC. # 222599

RECOVERED MONUMENTS

POINT	DESCRIPTION	Y	X
1569	3/4" REBAR	500399.965	826468.665

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 9-13-2022
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZ\WW\wi+sw\Common\117738_madison\RDUSH61\12 A2.dgn
PLOT SCALE : N/A
PLOT BY : SEH
PLOT DATE : 9/13/2022
FILE NAME : P:\UZ\WW\wi+sw\Common\117738_madison\RDUSH61\12 A2.dgn
APPRAISAL PLAT DATE : 9-1-2022

4

GRANT COUNTY, WI
RECEIVED FOR RECORD
03/22/2022 01:44 PM
#828482
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.13
AMENDMENT NO. 1

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.13 AMENDMENT NO. 1

AMENDS PARCEL 32 AND ADDS PARCEL 132 OF TRANSPORTATION PROJECT PLAT 1650-06-20-4.13 RECORDED IN VOLUME C, PAGE 79A, DOCUMENT NO. 788464

PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, AND PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 26, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

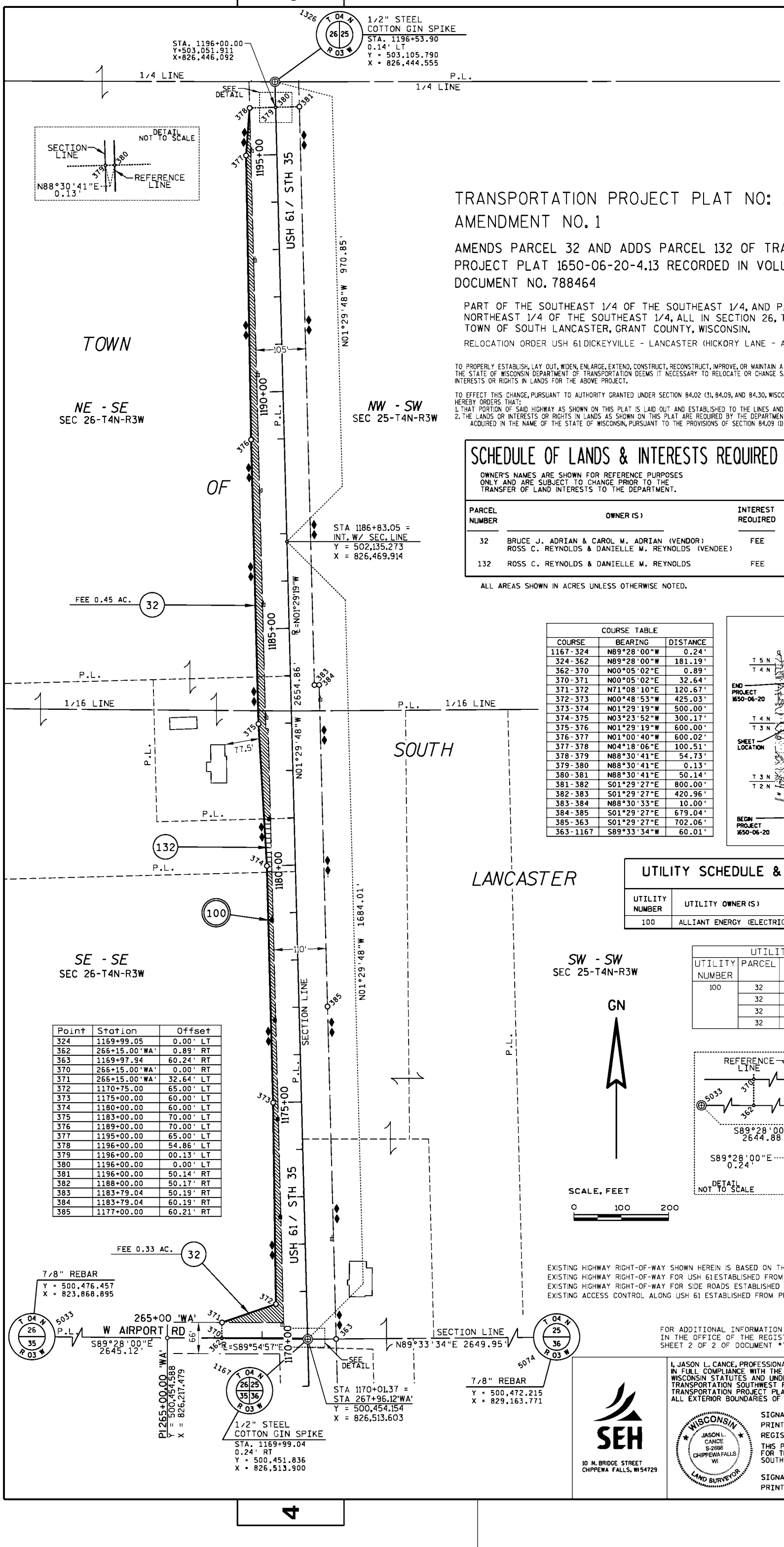
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE 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 ACRES REQUIRED NEW	EXISTING	TOTAL
32	BRUCE J. ADRIAN & CAROL M. ADRIAN (VENDOR) ROSS C. REYNOLDS & DANIELLE M. REYNOLDS (VENDEE)	FEE	0.78	3.17	3.95
132	ROSS C. REYNOLDS & DANIELLE M. REYNOLDS	FEE	0.03	0.13	0.16

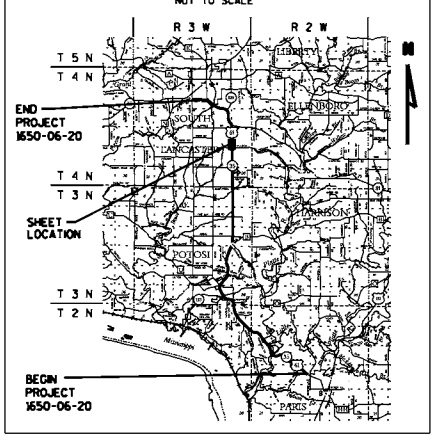
ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.



Point	Station	Offset
324	1169+99.05	0.00' LT
362	266+15.00'WA'	0.89' RT
363	1169+97.94	60.24' RT
370	266+15.00'WA'	0.00' RT
371	266+15.00'WA'	32.64' LT
372	1170+75.00	65.00' LT
373	1175+00.00	60.00' LT
374	1180+00.00	60.00' LT
375	1183+00.00	70.00' LT
376	1189+00.00	70.00' LT
377	1195+00.00	65.00' LT
378	1196+00.00	54.86' LT
379	1196+00.00	00.13' LT
380	1196+00.00	0.00' LT
381	1196+00.00	50.14' RT
382	1188+00.00	50.17' RT
383	1183+79.04	50.19' RT
384	1183+79.04	60.19' RT
385	1177+00.00	60.21' RT

COURSE TABLE		
COURSE	BEARING	DISTANCE
1167-324	N89°28'00"W	0.24'
324-362	N89°28'00"W	181.19'
362-370	N00°05'02"E	0.89'
370-371	N00°05'02"E	32.64'
371-372	N71°08'10"E	120.67'
372-373	N00°48'53"W	425.03'
373-374	N01°29'19"W	500.00'
374-375	N03°23'52"W	300.17'
375-376	N01°29'19"W	600.00'
376-377	N01°00'40"W	600.02'
377-378	N04°18'06"E	100.51'
378-379	N88°30'41"E	54.73'
379-380	N88°30'41"E	0.13'
380-381	N88°30'41"E	50.14'
381-382	S01°29'27"E	800.00'
382-383	S01°29'27"E	420.96'
383-384	N88°30'33"E	10.00'
384-385	S01°29'27"E	679.04'
385-363	S01°29'27"E	702.06'
363-1167	S89°33'34"W	60.01'

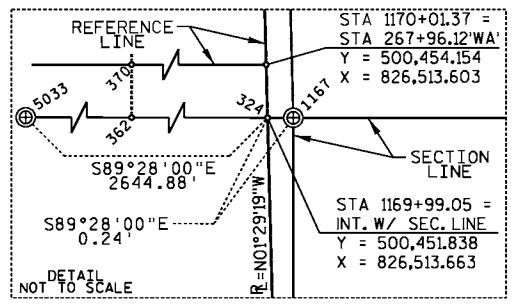
LOCATION SKETCH
NOT TO SCALE



UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	32	EASEMENT	DOC. # 54488
	32	EASEMENT	DOC. # 58814
	32	EASEMENT	DOC. # 59962
	32	EASEMENT	DOC. # 121986



EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-15-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 3-21-2022
PRINTED NAME: CORY SCHLAGEL

PLOT SCALE : N/A
PLOT NAME : FILE NAME : P:\UZ\WW\itsw\Common\117738_madison\RDUSH6113A1.dgn
PLOT BY : SEH
PLOT DATE : 3/18/2022
APPRAISAL PLAT DATE : 3-15-2022

4

GRANT COUNTY, WI
RECEIVED FOR RECORD
04/06/2021 11:18 AM
#819483
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.14
AMENDMENT NO. 1

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.14 AMENDMENT NO. 1

REMOVES UTILITY NO. 103 AND ADDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.14 RECORDED AS DOCUMENT NO. 788465

PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 25, T4N, R3W, AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 26, T4N, R3W, ALL IN THE TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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

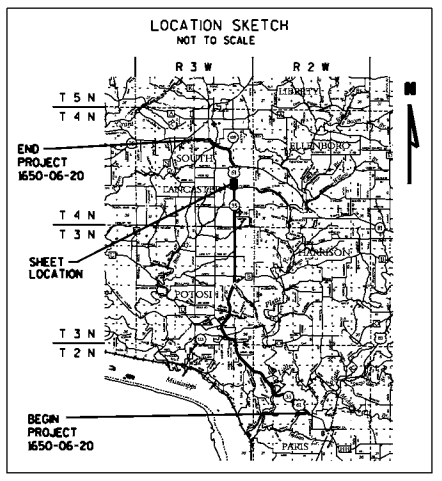
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL
26	EAGLE CREEK MIDWEST LLC	FEE	0.38	3.52	3.90

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

COURSE TABLE		
COURSE	BEARING	DISTANCE
1154-390	N89°12'03"E	100.03'
390-391	S00°26'08"E	4.63'
391-392	S00°26'08"E	33.28'
392-393	S47°54'03"W	51.86'
393-394	S01°29'19"E	925.00'
394-395	S01°29'19"E	600.00'
395-396	S04°09'46"W	100.49'
396-397	S88°30'41"W	50.10'
397-398	S88°30'41"W	0.07'
398-399	S88°30'41"W	49.83'
399-400	N01°29'27"W	700.00'
400-401	N01°29'27"W	993.82'
401-403	N01°25'36"W	31.18'
403-1154	S62°59'23"E	56.86'

LOCATION SKETCH
NOT TO SCALE



UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
101	26	EASEMENT	DOC. # 446870

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1560	WISDOT ALUM. CAP	505714.016	826429.755

Point	Station	Offset
390	276+00.00'HH'	2.98' LT
391	276+00.00'HH'	0.00' RT
392	276+00.00'HH'	33.28' RT
393	1222+25.00	60.00' RT
394	1213+00.00	60.00' RT
395	1207+00.00	60.00' RT
396	1206+00.00	50.10' RT
397	1206+00.00	0.00' RT
398	1206+00.00	0.07' LT
399	1206+00.00	49.90' LT
400	1213+00.00	49.92' LT
401	1222+93.82	49.96' LT
403	1223+25.00	49.93' LT

GN

SCALE, FEET
0 100 200

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

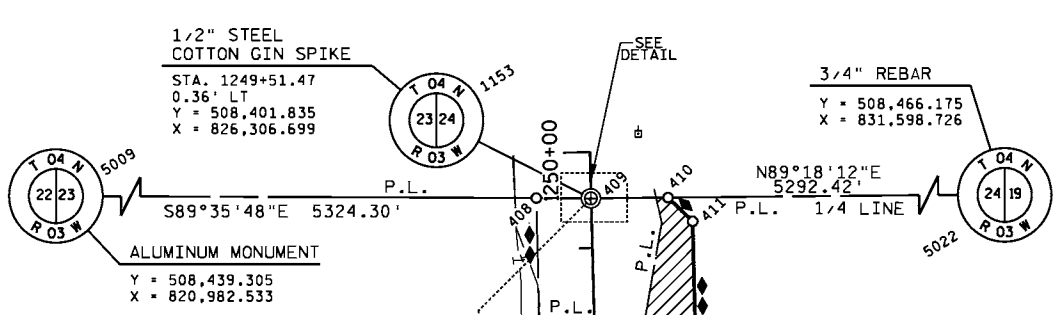
WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

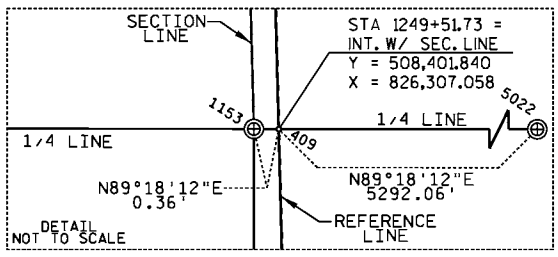
SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZ\W\W1tsw\Common\117738_madison\RDUSH6114 A1.dgn
PLOT DATE : 3/25/2021
PLOT BY : SEH
PLOT SCALE : N/A
APPRAISAL PLAT DATE :





GRANT COUNTY, WI
RECEIVED FOR RECORD
04/06/2021 11:18 AM
#819484
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.15
AMENDMENT NO. 1

COURSE TABLE		
COURSE	BEARING	DISTANCE
1154-402	S44°45'36"W	69.22'
402-401	N01°29'27"W	43.82'
401-405	N01°25'36"W	1540.01'
405-406	S88°27'36"W	10.00'
406-407	N01°25'36"W	991.01'
407-408	N01°29'35"W	128.79'
408-1153	S89°35'48"E	56.90'
1153-409	N89°18'12"E	0.36'
409-410	N89°18'12"E	80.01'
410-411	S45°46'38"E	35.80'
411-412	S01°29'34"E	125.00'
412-413	S04°13'19"W	201.00'
413-414	S01°29'19"E	600.00'
414-415	S03°16'30"W	301.04'
415-416	S01°29'19"E	400.00'
416-420	S18°11'01"E	104.40'
420-422	S02°38'04"E	500.10'
422-423	S17°47'49"W	105.95'
423-424	S01°29'19"E	225.00'
424-425	S36°47'09"E	61.57'
425-390	S00°26'28"E	28.08'
390-1154	S89°12'03"W	100.03'

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.15 AMENDMENT NO. 1

REMOVES UTILITY NO. 103 AND ADDS UTLITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.15 RECORDED AS DOCUMENT NO. 788466

PART OF LOT 1 CERTIFIED SURVEY MAP NO. 497, PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 24, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
37	DEREK & ASHLEY MCBEE	FEE	0.07	0.22	0.29	---
38	TONY R. NIHLES & SHERRY M. NIHLES	FEE/TLE	0.71	1.11	1.82	0.12
	LAMAR ADVERTISING LLC.					
39	MARK D. WINTERS	FEE	0.85	1.83	2.68	---

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	SIGN OWNER	OASIS NO.
38-1	LAMAR ADVERTISING LLC. TONY R. NIHLES & SHERRY M. NIHLES	13077

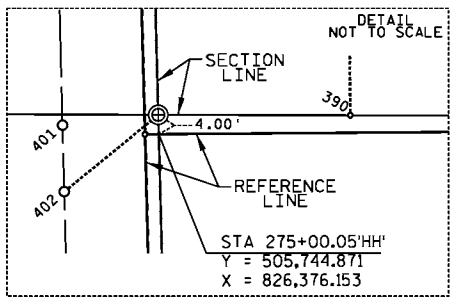
UTILITY SCHEDULE & INTEREST REQUIRED

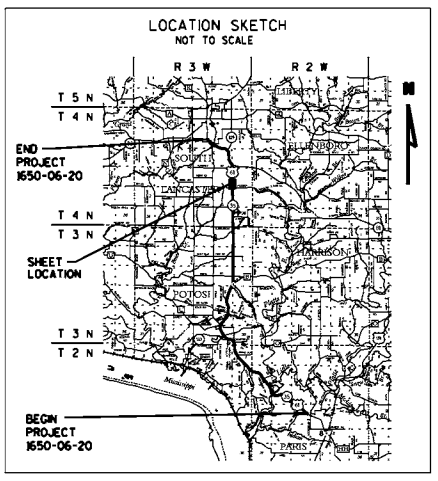
UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	37	EASEMENT	DOC. # 58831
	37	EASEMENT	DOC. # 59336
	37	EASEMENT	DOC. # 121993
	38	EASEMENT	DOC. # 58831
	38	EASEMENT	DOC. # 59336
	38	EASEMENT	DOC. # 121993
	39	EASEMENT	DOC. # 58831
	39	EASEMENT	DOC. # 59336
	39	EASEMENT	DOC. # 121993
101	37	EASEMENT	DOC. # 448913
	38	NO RECORDED EASEMENT	
	39	NO RECORDED EASEMENT	

Point	Station	Offset
390	276+00.00'HH'	2.98' LT
391	276+00.00'HH'	0.00' RT
401	1222+93.82	49.96' LT
402	1222+50.00	49.96' LT
405	1238+33.83	48.29' LT
406	1238+33.82	58.29' LT
407	1248+24.82	57.21' LT
408	1249+53.46	57.22' LT
409	1249+51.73	0.00' RT
410	1249+50.63	80.00' RT
411	1249+25.00	105.00' RT
412	1248+00.00	105.00' RT
413	1246+00.00	85.00' RT
414	1240+00.00	85.00' RT
415	1237+00.00	60.00' RT
416	1233+00.00	60.00' RT
417	1232+65.00	68.76' RT
418	1232+65.00	150.00' RT
419	1231+90.00	150.00' RT
420	1232+00.00	90.00' RT
421	1231+90.00	85.00' RT
422	1227+00.00	100.00' RT
423	1226+00.00	65.00' RT
424	1223+75.00	65.00' RT
425	276+00.00'HH'	32.72' LT

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1563	WISDOT ALUM. CAP	505763.886	826328.640
1564	WISDOT IRON PIPE	505799.058	826326.722
1565	3/4" REBAR	505913.037	826417.972





FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

PLOT SCALE : N/A
PLOT NAME :
PLOT BY : SEH
PLOT DATE : 3/25/2021
FILE NAME : P:\UZ\WW\tsw\Common\117738_madison\RDUSH6115 A1.dgn
APPRAISAL PLAT DATE :

832297
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/12/2022 02:24:34 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 81D
PAGES RECORDED: 1

4.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.16
AMENDMENT NO. 2

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.16 AMENDMENT NO. 2

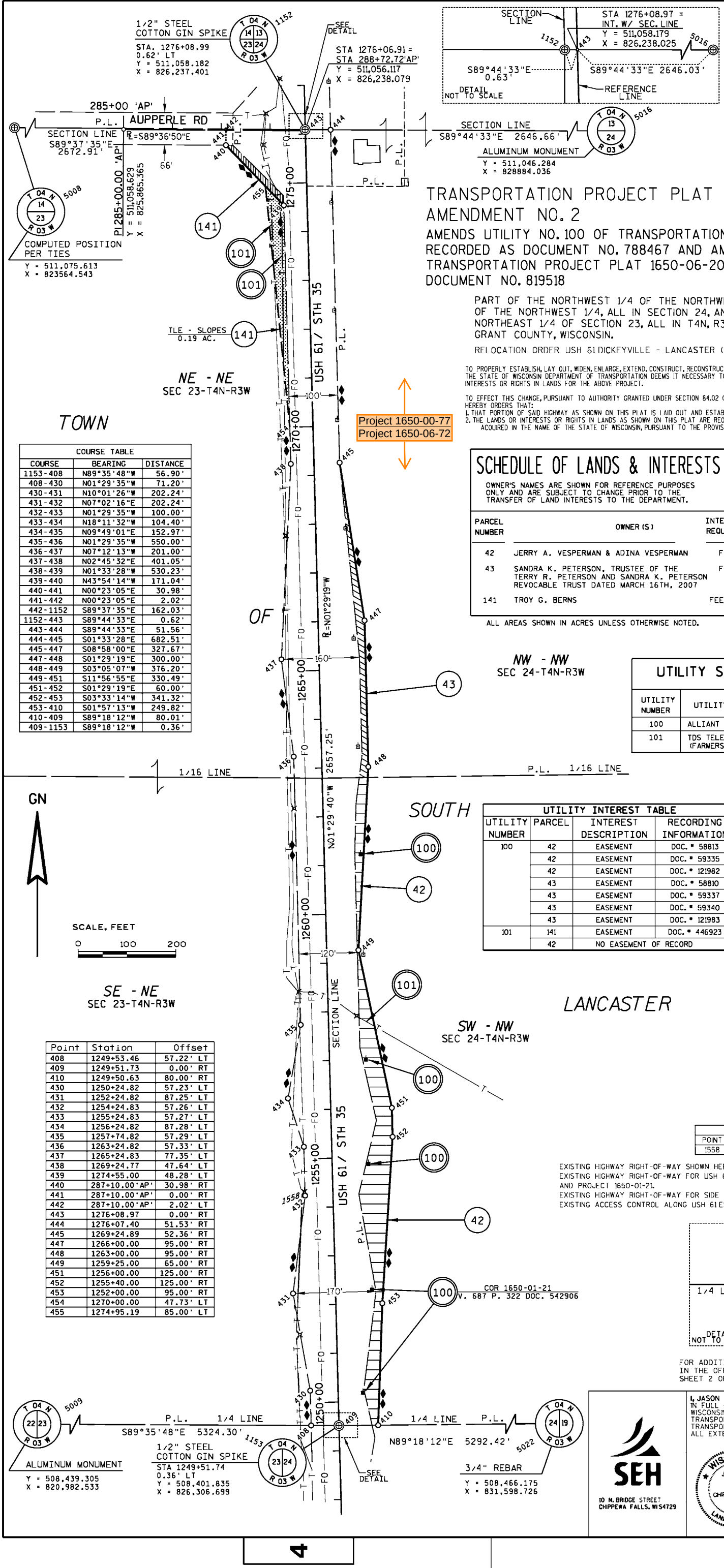
AMENDS UTILITY NO. 100 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.16 RECORDED AS DOCUMENT NO. 788467 AND AMENDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT 1650-06-20-4.16 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819518

PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 24, AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 23, ALL IN T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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 ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	TLE ACRES
42	JERRY A. VESPERMAN & ADINA VESPERMAN	FEE	0.83	---	0.83	---
43	SANDRA K. PETERSON, TRUSTEE OF THE TERRY R. PETERSON AND SANDRA K. PETERSON REVOCABLE TRUST DATED MARCH 16TH, 2007	FEE	0.17	---	0.17	---
141	TROY G. BERNS	FEE/TLE	0.04	0.01	0.05	0.19

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

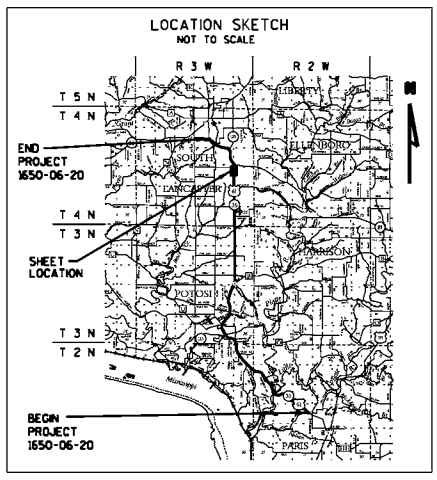
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	42	EASEMENT	DOC. # 58813
	42	EASEMENT	DOC. # 59335
	42	EASEMENT	DOC. # 121982
	43	EASEMENT	DOC. # 58810
	43	EASEMENT	DOC. # 59337
	43	EASEMENT	DOC. # 59340
	43	EASEMENT	DOC. # 121983
101	141	EASEMENT	DOC. # 446923
	42	NO EASEMENT OF RECORD	

COURSE TABLE

COURSE	BEARING	DISTANCE
1153-408	N89°35'48"W	56.90'
408-430	N01°29'35"W	71.20'
430-431	N10°01'26"W	202.24'
431-432	N07°02'16"E	202.24'
432-433	N01°29'35"W	100.00'
433-434	N18°11'32"W	104.40'
434-435	N09°49'01"E	152.97'
435-436	N01°29'35"W	550.00'
436-437	N07°12'13"W	201.00'
437-438	N02°45'32"E	401.05'
438-439	N01°33'28"W	530.23'
439-440	N43°54'14"W	171.04'
440-441	N00°23'05"E	30.98'
441-442	N00°23'05"E	2.02'
442-1152	S89°37'35"E	162.03'
1152-443	S89°44'33"E	0.62'
443-444	S89°44'33"E	51.56'
444-445	S01°33'28"E	682.51'
445-447	S08°58'00"E	327.67'
447-448	S01°29'19"E	300.00'
448-449	S03°05'07"W	376.20'
449-451	S11°56'55"E	330.49'
451-452	S01°29'19"E	60.00'
452-453	S03°33'14"W	341.32'
453-410	S01°57'13"W	249.82'
410-409	S89°18'12"W	80.01'
409-1153	S89°18'12"W	0.36'

Point	Station	Offset
408	1249+53.46	57.22' LT
409	1249+51.73	0.00' RT
410	1249+50.63	80.00' RT
430	1250+24.82	57.23' LT
431	1252+24.82	87.25' LT
432	1254+24.83	57.26' LT
433	1255+24.83	57.27' LT
434	1256+24.82	87.28' LT
435	1257+74.82	57.29' LT
436	1263+24.82	57.33' LT
437	1265+24.83	77.35' LT
438	1269+24.77	47.64' LT
439	1274+55.00	48.28' LT
440	287+10.00'AP'	30.98' RT
441	287+10.00'AP'	0.00' RT
442	287+10.00'AP'	2.02' LT
443	1276+08.97	0.00' RT
444	1276+07.40	51.53' RT
445	1269+24.89	52.36' RT
447	1266+00.00	95.00' RT
448	1263+00.00	95.00' RT
449	1259+25.00	65.00' RT
451	1256+00.00	125.00' RT
452	1255+40.00	125.00' RT
453	1252+00.00	95.00' RT
454	1270+00.00	47.73' LT
455	1274+95.19	85.00' LT

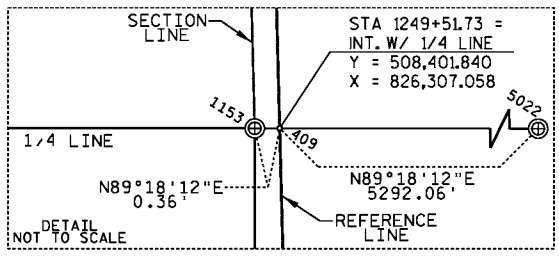
LOCATION SKETCH
NOT TO SCALE



RECOVERED MONUMENTS

POINT	DESCRIPTION	Y	X
1558	3/4" REBAR "HIT"	508873.965	826234.520

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 9-1-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 9/8/2022
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZ\WW\Itsw\Common\117738_madison\RDUSH=6116 A2.dgn
PLOT BY : SEH
PLOT DATE : 9/1/2022
PLOT SCALE : N/A
FILE NAME :
APPRAISAL PLAT DATE : 9-1-2022

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.17
AMENDMENT NO. 2

AMENDS UTILITY NO. 100 AND REMOVES UTILITY NO. 109 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.17 RECORDED AS DOCUMENT NO. 788468, REMOVES PARCEL 46, AND UTILITY NO. 111 AND AMENDS UTILITY NO. 100, AND UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.17 AMENDMENT NO. 1 RECORDED AS DOCUMENT NO. 819614.

PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 13 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 14, ALL IN T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

832381
GRANT COUNTY, WI
RECEIVED FOR RECORD
09/15/2022 02:32:48 PM
ANDREA NOETHE, REGISTER
BOOK: C PAGE: 81D
PAGES RECORDED: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.17
AMENDMENT NO. 2

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	43	EASEMENT	DOC. # 58810
	43	EASEMENT	DOC. # 59340
	43	EASEMENT	DOC. # 59337
	43	EASEMENT	DOC. # 59961
	43	EASEMENT	DOC. # 104723
	43	EASEMENT	DOC. # 114447
	43	EASEMENT	DOC. # 121983
	43	EASEMENT	DOC. # 186391
	43	EASEMENT	DOC. # 211104
	50	EASEMENT	DOC. # 58810
	50	EASEMENT	DOC. # 59337
	50	EASEMENT	DOC. # 59340
	50	EASEMENT	DOC. # 104723
	50	EASEMENT	DOC. # 114447
	50	EASEMENT	DOC. # 121983
	50	EASEMENT	DOC. # 186391
	50	EASEMENT	DOC. # 211104
101	43	EASEMENT	DOC. # 550875
	43	EASEMENT	DOC. # 448893
	43	EASEMENT	DOC. # 446897
	43	EASEMENT	DOC. # 551009
	43	EASEMENT	DOC. # 105922
	43	EASEMENT	DOC. # 214214
	50	EASEMENT	DOC. # 214214

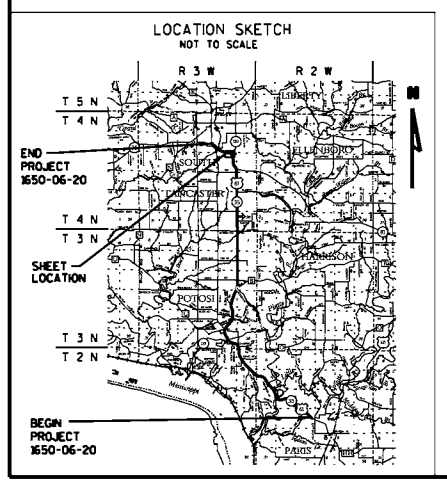
SCHEDULE OF LANDS & INTERESTS REQUIRED

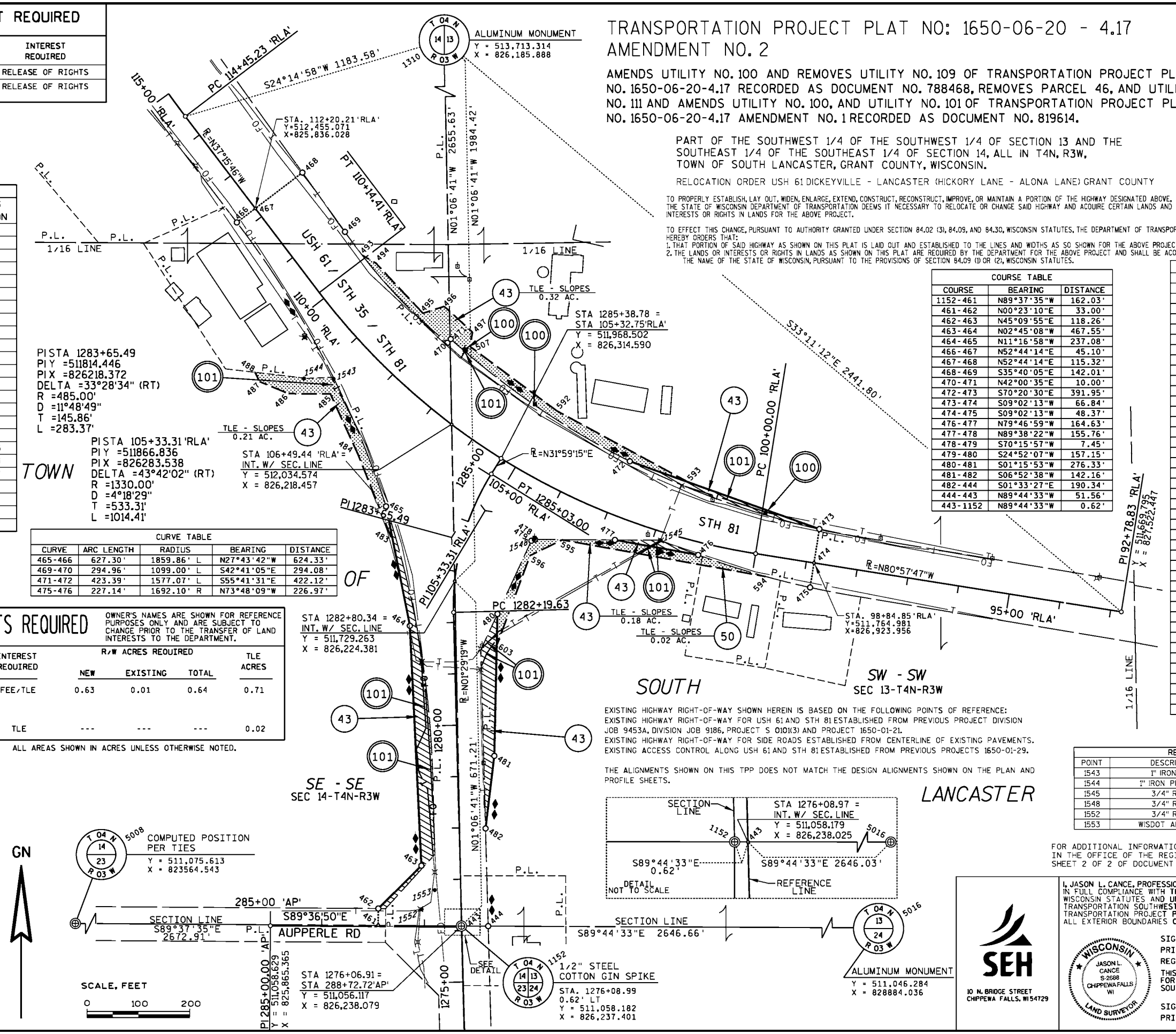
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
43	SANDRA K. PETERSON, TRUSTEE OF THE TERRY R. PETERSON AND SANDRA K. PETERSON REVOCABLE TRUST DATED MARCH 16TH, 2007	FEE/TLE	0.63	0.01	0.64	0.71
50	BEVERLY J. COLBERT	TLE	---	---	---	0.02

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

LOCATION SKETCH
NOT TO SCALE





CURVE TABLE

CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
465-466	627.30'	1859.86' L	N27°43'42"W	624.33'
469-470	294.96'	1099.00' L	S42°41'05"E	294.08'
471-472	423.39'	1577.07' L	S55°41'31"E	422.12'
475-476	227.14'	1692.10' R	N73°48'09"W	226.97'

COURSE TABLE

COURSE	BEARING	DISTANCE
1152-461	N89°37'35"W	162.03'
461-462	N00°23'10"E	33.00'
462-463	N45°09'55"E	118.26'
463-464	N02°45'08"W	467.55'
464-465	N11°16'58"W	237.08'
466-467	N52°44'14"E	45.10'
467-468	N52°44'14"E	115.32'
468-469	S35°40'05"E	142.01'
470-471	N42°00'35"E	10.00'
472-473	S70°20'30"E	391.95'
473-474	S09°02'13"W	66.84'
474-475	S09°02'13"W	48.37'
476-477	N79°46'59"W	164.63'
477-478	N89°38'22"W	155.76'
478-479	S70°15'57"W	7.45'
479-480	S24°52'07"W	157.15'
480-481	S01°15'53"W	276.33'
481-482	S06°52'38"W	142.16'
482-444	S01°33'27"E	190.34'
444-443	N89°44'33"W	51.56'
443-1152	N89°44'33"W	0.62'

Point	Station	Offset
443	1276+08.97	0.00' RT
444	1276+07.40	51.53' RT
461	287+10.00'AP'	2.02' LT
462	287+10.00'AP'	35.03' LT
463	1277+28.41	75.49' LT
464	1281+95.85	85.80' LT
465	1283+80.05	161.15' LT
466	112+20.21'RLA'	45.10' LT
467	112+20.21'RLA'	0.00' LT
468	112+20.21'RLA'	115.32' RT
469	110+78.25'RLA'	111.37' RT
470	107+61.82'RLA'	117.35' RT
471	107+61.79'RLA'	127.34' RT
472	102+96.60'RLA'	108.84' RT
473	98+84.85'RLA'	66.84' RT
474	98+84.85'RLA'	0.00' RT
475	98+84.85'RLA'	48.37' LT
476	101+08.17'RLA'	24.55' LT
477	102+67.57'RLA'	44.40' LT
478	104+03.22'RLA'	105.66' LT
479	104+07.98'RLA'	111.03' LT
480	1282+14.40	85.26' RT
481	1279+38.39	71.99' RT
482	1277+97.74	51.30' RT
483	1283+29.94	129.66' LT
484	107+49.46'RLA'	159.85' LT
485	108+57.10'RLA'	112.37' LT
486	109+07.64'RLA'	171.56' LT
487	109+55.53'RLA'	198.88' LT
488	109+72.82'RLA'	194.47' LT
493	110+21.28'RLA'	110.59' RT
494	109+91.16'RLA'	122.19' RT
495	108+43.47'RLA'	126.34' RT
496	108+21.09'RLA'	165.02' RT
497	107+36.08'RLA'	165.36' RT
507	107+19.26'RLA'	140.97' LT
592	104+84.79'RLA'	135.19' RT
593	101+65.14'RLA'	107.42' RT
594	99+73.47'RLA'	40.98' LT
595	103+58.16'RLA'	83.54' LT
596	1283+70.00	135.00' RT
603	1281+53.39	82.33' RT
1152	1276+08.99	0.62' LT

RECOVERED MONUMENTS

POINT	DESCRIPTION	Y	X
1543	1" IRON PIPE	512123.412	825988.491
1544	1" IRON PIPE "HIT"	512124.002	825931.005
1545	3/4" REBAR	511809.332	826623.971
1548	3/4" REBAR	511810.997	826379.303
1552	3/4" REBAR	511090.618	826161.719
1553	WISDOT ALUM. CAP	511128.097	826185.467

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 9-13-2022
PRINTED NAME: CORY SCHLAGEL

WISCONSIN
JASON L. CANCE
S-2688
CHIPPEWA FALLS WI
LAND SURVEYOR

Document Number
VACATION ORDER
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
DT2222 4/2017 s.84.095(3)(b) Wis. Stats.

831092
GRANT COUNTY, WI
RECEIVED FOR RECORD
07/13/2022 12:12:10 PM
ANDREA NOETHE, REGISTER
PAGES RECORDED: 2

This Vacation Order applies to Transportation Project Plat 1650-06-20-4.18 Amendment NO.1, recorded on 4/9/2021 as Document Number 819615 in the Office of the Register of Deeds for Grant County.

Whereas, parcel 46 of the above-described Transportation Project Plat has been determined to be unnecessary for transportation improvement project purposes, said parcel is vacated and rescinded.

This space is reserved for recording data

Return to
Wisconsin Department of Transportation
3550 Mormon Coulee Road
La Crosse, WI 54601

Parcel Identification Number/Tax Key Number
056-00351-0000

This Vacation Order has been approved by the Wisconsin Department of Transportation.

x Cory Schlagel 7/12/2022
(Signature)

7/12/2022
(Date – m/d/yyyy)

Cory Schlagel
(Print Name)

Supervisor
(Title)

State of Wisconsin
La Crosse County } ss.

On the above date, this instrument was acknowledged before me by the named person(s).

x Beth Griffin
(Signature, Notary Public, State of Wisconsin)

Beth Griffin
(Print or Type Name, Notary Public, State of Wisconsin)

9/12/25
(Date Commission Expires)

BETH GRIFFIN NOTARY (Seal) PUBLIC STATE OF WISCONSIN

Project ID 1650-06-20

This instrument was drafted by Wisconsin Department of Transportation

LEGAL DESCRIPTION

Parcel 46 of Transportation Project Plat 1650-06-20-4.17 Amendment No.1, recorded as Document #819674, recorded in Grant County, Wisconsin.

Property interests and rights of said Parcel 46 consist of:

Temporary Limited Easement

Also Parcel 46 of Transportation Project Plat 1650-06-20-4.18 Amendment No.1, recorded as Document #819615, recorded in Grant County, Wisconsin.

Property interests and rights of said Parcel 46 consist of:

Temporary Limited Easement

4

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.18 AMENDMENT NO. 1

REMOVES PARCELS 43 & 146, AMENDS PARCELS 46, & 52, REMOVES UTILITY NO. 103, AND ADDS UTILITY NO. 101 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.18 RECORDED AS DOCUMENT NO. 788469

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 14, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

GRANT COUNTY, WI
RECEIVED FOR RECORD
04/09/2021 12:03 PM
#819615
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.18
AMENDMENT NO. 1

Point	Station	Offset
466	112+20.21'RLA'	45.10' LT
490	111+28.73'RLA'	58.66' LT
491	115+62.52'RLA'	68.08' LT
492	117+36.92'RLA'	70.37' LT
510	120+13.00'RLA'	141.09' LT
515	1310+20.00'MLB'	50.21' LT
516	1310+20.00'MLB'	0.00' LT
517	1310+20.00'MLB'	99.79' RT
518	1309+54.82'MLB'	99.81' RT
532	1308+54.81'MLB'	49.85' RT
571	1304+88.80'MLB'	49.98' RT
569	119+33.82'RLA'	56.53' RT
570	119+26.74'RLA'	73.83' RT
612	110+78.25'RLA'	111.37' RT
613	110+14.41'RLA'	110.69' RT
614	110+14.41'RLA'	0.00' LT
615	110+14.41'RLA'	56.06' LT
616	108+39.26'RLA'	194.29' RT

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	46	EASEMENT	DOC. # 59961
101	46	EASEMENT	DOC. # 551009
	52	EASEMENT	DOC. # 447265

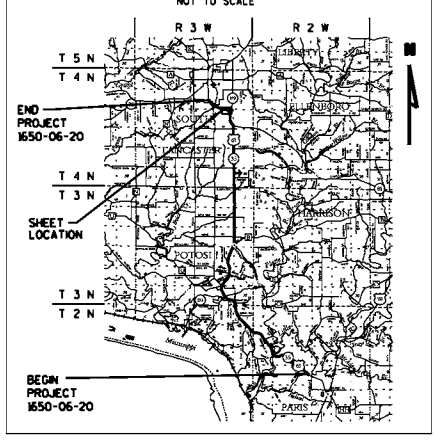
CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
615-466	206.19'	1859.86' L	N34°12'54"W	206.09'
612-613	63.85'	1099.00' L	S36°39'36"E	63.84'
571-569	652.02'	1860.02' L	S12°02'03"E	648.69'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1310-616	S01°06'41"E	1417.39'
616-1152	S01°06'41"E	1238.24'
616-614	S88°53'19"W	252.80'
614-615	S52°44'14"W	56.06'
466-510	N37°23'27"W	826.81'
510-515	N01°59'28"W	1156.71'
515-516	N88°01'43"E	50.21'
516-517	N88°01'43"E	99.79'
517-518	S01°59'28"E	65.18'
518-532	S24°34'26"W	111.80'
532-571	S01°59'28"E	366.01'
569-570	N89°27'02"E	18.60'
570-612	S35°40'05"E	824.06'
613-614	S52°44'14"W	110.69'

UTILITY SCHEDULE & INTEREST REQUIRED

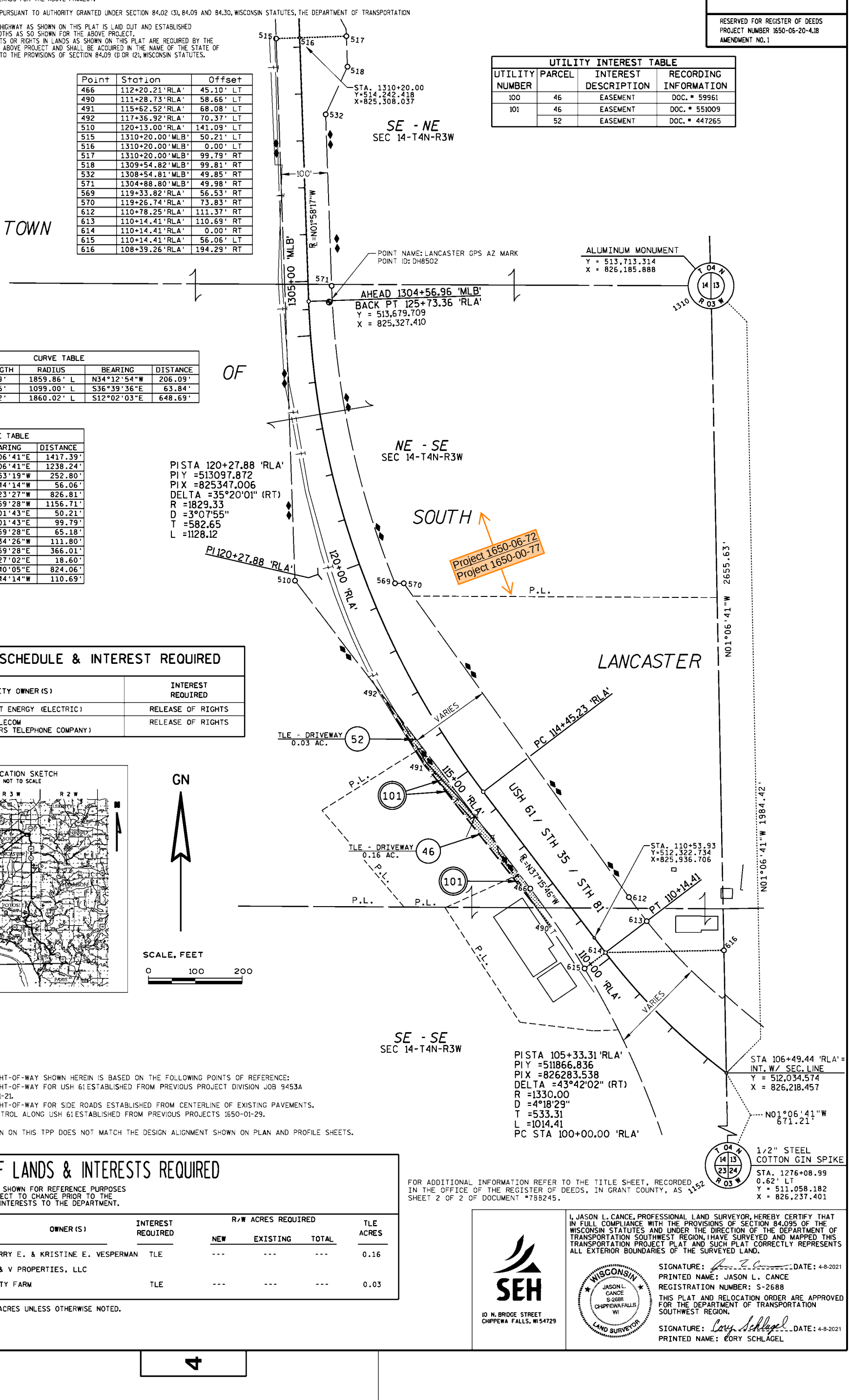
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS

LOCATION SKETCH
NOT TO SCALE



GN

SCALE, FEET
0 100 200



EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT DIVISION JOB 9453A AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

THE ALIGNMENT SHOWN ON THIS TPP DOES NOT MATCH THE DESIGN ALIGNMENT SHOWN ON PLAN AND PROFILE SHEETS.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS 1152 SHEET 2 OF 2 OF DOCUMENT #788245.

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
46	VENDOR: LARRY E. & KRISTINE E. VESPERMAN	TLE	---	---	---	0.16
	VENDEE: E & V PROPERTIES, LLC					
52	GRANT COUNTY FARM	TLE	---	---	---	0.03

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 4-8-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 4-8-2021
PRINTED NAME: CORY SCHLAGEL

PLOT NAME : P:\UZW\Witsw\Common\117738_madison\RDUSH6118A1.dgn
PLOT DATE : 4/8/2021
PLOT BY : SEH
PLOT SCALE : N/A
APPRAISAL PLAT DATE : 1-18-2021

4

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.19 AMENDMENT NO. 1

ADDS UTILITY NO. 101 & 112, AND REMOVES UTILITY NO. 103 OF TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.19 RECORDED AS DOCUMENT NO. 788470

PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 14, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
52	GRANT COUNTY FARM	FEE/TLE	0.11	0.80	0.91	0.01

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

GRANT COUNTY, WI
RECEIVED FOR RECORD
04/07/2021 01:46 PM
#819519
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.19
AMENDMENT NO. 1

SW - SE
SEC 11-T4N-R3W

SE - SE
SEC 11-T4N-R3W

NW - NE
SEC 14-T4N-R3W

NE - NE
SEC 14-T4N-R3W

TOWN OF SOUTH LANCASTER

PK NAIL
Y = 521,664.278
X = 823,351.360

S01°03'35"E
5288.34'

PC 1341+82.26 'MLB'
PIX =823173.710
DELTA =22°00'48" (RT)
R =2355.00
D =2°25'59"
T =458.05
L =904.80
PC STA 1350+87.06 'MLB'
PIY =516372.180
PISTA 1346+40.31(3) 'MLB'

USH 61 / STH 35/81

STA. 1335+00.00
Y=516,293.926
X=824,305.808

R=N89°45'29"W

1340+00 'MLB'

1335+00 'MLB'

1330+00 'MLB'

1325+00 'MLB'

PT 1339+61.51 'MLB'

S89°47'52"E 2655.44'
SECTION LINE

P.L.

PI 1331+42.32 'MLB'

STH 129

PISTA 1331+42.32(3) 'MLB'
PIY =516363.480
PIX =825235.030
DELTA =87°47'12" (LT)
R =1437.00
D =3°59'14"
T =1382.54
L =2201.72
PC STA 1317+59.78'MLB'

STA. 1331+50.00
Y=516,142.957
X=824,620.615

1/2" STEEL COTTON GIN SPIKE
STA. 1343+64.96
1.26' RT
Y = 516,376.846
X = 823,449.168

1/4 LINE
N01°14'48"W 5302.49'

ALUMINUM MONUMENT
Y = 516,367.468
X = 826,104.595

TLE - DRIVEWAY
0.01 AC.

SEE DETAIL

1/16 LINE

SOUTH LANCASTER

STA 1343+65.09 = INT. W/ 1/4 LINE
Y = 516,378.111
X = 823,449.145

STA 1343+48.15 = INT. W/ SEC. LINE
Y = 516,376.787
X = 823,466.028

S01°03'35"E 5287.07'
S01°03'35"E 1.27'
S89°47'52"E 16.86'
S89°47'52"E 2638.58'
SECTION LINE
REFERENCE LINE

DETAIL NOT TO SCALE
ANGLES EXAGGERATED FOR GRAPHICAL REPRESENTATION

COMPUTED POSITION PER TIES
Y = 511,075.613
X = 823,564.543

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
107	CITY OF LANCASTER (WATER)	RELEASE OF RIGHTS
108	WE ENERGY (GAS)	RELEASE OF RIGHTS
112	CITY OF LANCASTER (SANITARY SEWER)	RELEASE OF RIGHTS

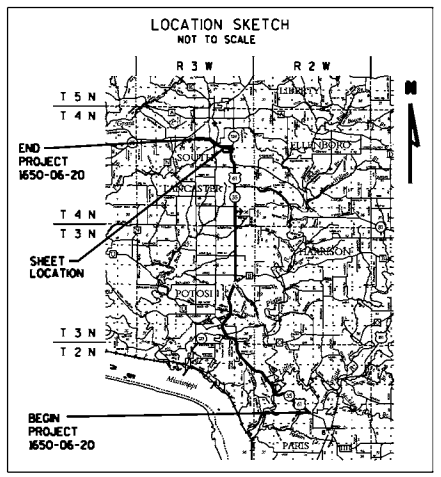
UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	52	EASEMENT	DOC. # 99673
101	52	EASEMENT	DOC. # 447265
	52	EASEMENT	DOC. # 551009
107	52	NO RECORDED EASEMENT	
108	52	NO RECORDED EASEMENT	
112	52	NO RECORDED EASEMENT	

GN

SCALE, FEET
0 100 200

LOCATION SKETCH
NOT TO SCALE



Point	Station	Offset
521	1334+00.00'MLB'	70.00' RT
522	1332+00.00'MLB'	70.00' RT
523	1331+50.00'MLB'	52.49' RT
524	1331+50.00'MLB'	0.00' LT
525	1331+50.00'MLB'	47.51' LT
526	1335+00.00'MLB'	47.68' LT
527	1335+00.00'MLB'	0.00' LT
528	1335+00.00'MLB'	52.18' RT
529	1343+50.00'MLB'	49.52' LT
530	1343+55.60'MLB'	95.00' LT

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1532	3/4" REBAR	516338.261	823450.804
1535	WISDOT ALUM. CAP	516433.628	823443.015
1536	3/4" REBAR	516437.413	823448.109

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
525-526	338.42'	1382.39' L	N64°24'29"W	337.57'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1149-520	S89°47'52"E	977.32'
520-521	S00°12'08"W	50.09'
521-522	S63°22'58"E	209.57'
522-523	S39°50'07"E	54.99'
523-524	S32°35'53"W	52.49'
524-525	S32°35'53"W	47.51'
526-527	N18°38'35"E	47.68'
527-528	N18°38'35"E	52.18'
528-521	S79°03'27"E	105.74'

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT T 08-1(3) AND PROJECT T 0101(3).
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

FILE NAME : P:\UZ\W\Witsw\Common\117738_madison\RDUSH6119 A1.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 3/25/2021
PLOT BY : SEH
PLOT NAME :
PLOT SCALE : N/A

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.20
AMENDMENT NO. 1

ADDS UTILITY NO. 101 & 112, AND REMOVES UTILITY NO. 103 OF TRANSPORTATION PROJECT PLAT 1650-06-20-4.20 RECORDED AS DOCUMENT NO. 788471.

PART OF LOT 3 OF CERTIFIED SURVEY MAP NO. 1044, PART OF LOTS 1, 2, 3, 4, & 5 OF ADDISON ACRES, LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, PART OF LOTS 5 & 6 OF ADDISON ACRES, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 11, PART OF LOT 1, CERTIFIED SURVEY MAP NO. 930, LOCATED IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 14, ALL IN T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

GRANT COUNTY, WI
RECEIVED FOR RECORD
04/07/2021 01:46 PM
#819520
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.20
AMENDMENT NO. 1

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.

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
100	60	EASEMENT	DOC. # 371539
101	59	NO RECORDED EASEMENT	
	60	EASEMENT	DOC. # 446856
	61	EASEMENT	DOC. # 446856
	62	EASEMENT	DOC. # 446856
	63	EASEMENT	DOC. # 446856
	64	EASEMENT	DOC. # 446856
	65	EASEMENT	DOC. # 446856
	66	EASEMENT	DOC. # 709940
105	60	EASEMENT	DOC. # 304787
112	59	EASEMENT	DOC. # 799914
	60	EASEMENT	DOC. # 799924
	61	EASEMENT	DOC. # 799915
	62	EASEMENT	DOC. # 799925
	63	EASEMENT	DOC. # 799916
	64	EASEMENT	DOC. # 799917
	65	EASEMENT	DOC. # 799918
	66	EASEMENT	DOC. # 799919

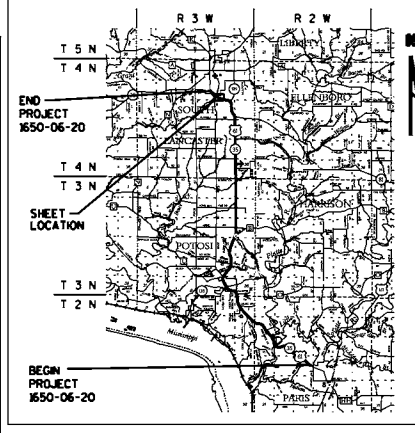
Point	Station	Offset
530	1343+55.60'MLB'	95.00' LT
534	1350+87.06'MLB'	95.00' LT
538	1343+85.00'MLB'	95.00' LT
539	1344+00.00'MLB'	49.58' LT
540	1373+18.84'MLB'	59.01' RT
541	1372+45.68'MLB'	59.13' RT
542	1368+06.71'MLB'	140.46' RT
543	1365+95.70'MLB'	60.75' RT
544	1355+95.70'MLB'	62.12' RT
545	1354+08.14'MLB'	82.38' RT
546	1348+94.99'MLB'	61.36' RT
547	1348+00.00'MLB'	60.96' RT
548	1348+00.00'MLB'	0.00' LT
549	1348+00.00'MLB'	64.04' LT
550	1349+00.00'MLB'	80.00' LT
551	1352+00.00'MLB'	105.00' LT
552	1353+00.00'MLB'	92.38' LT
553	1354+07.91'MLB'	97.62' LT
554	1355+95.50'MLB'	97.88' LT
555	1357+00.00'MLB'	92.80' LT
556	1358+00.00'MLB'	105.00' LT
557	1364+00.00'MLB'	100.00' LT
558	1366+74.30'MLB'	90.00' LT
559	326+70.26'ST'	50.00' RT
560	325+90.00'ST'	50.00' RT
561	325+90.00'ST'	31.51' RT
562	325+90.00'ST'	0.00' RT
563	325+90.00'ST'	34.49' LT
564	325+90.00'ST'	70.00' LT
565	326+20.00'ST'	70.00' LT
566	1369+75.00'MLB'	175.00' LT
567	1371+92.87'MLB'	130.00' LT
568	1372+76.79'MLB'	0.00' LT

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY (ELECTRIC)	RELEASE OF RIGHTS
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
105	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
112	CITY OF LANCASTER (SANITARY SEWER)	RELEASE OF RIGHTS

COURSE TABLE		
COURSE	BEARING	DISTANCE
1303-567	N00°34'06"W	876.62'
567-568	N00°34'06"W	156.00'
568-540	N00°34'06"W	72.15'
540-541	S55°55'11"E	71.30'
541-542	S73°04'20"E	427.20'
542-543	S47°00'41"E	225.16'
543-544	S67°49'24"E	1000.00'
544-545	S73°54'32"E	188.65'
545-546	S66°14'04"E	508.12'
547-548	S15°16'15"W	60.96'
548-549	S15°16'15"W	64.04'
549-550	N82°18'50"W	104.28'
550-534	N74°26'21"W	194.54'
534-551	N72°48'18"W	113.38'
551-552	N60°33'06"W	100.79'
552-553	N70°31'38"W	108.04'
553-554	N67°49'24"W	187.59'
554-555	N64°57'39"W	104.62'
555-556	N74°42'04"W	100.75'
556-557	N67°16'03"W	600.02'
557-558	N65°39'26"W	274.49'
558-559	S70°28'54"W	64.79'
559-560	S28°03'21"W	80.26'
560-561	N61°56'39"W	18.49'
561-562	N61°56'39"W	31.51'
562-563	N61°56'39"W	34.49'
563-564	N61°56'39"W	35.51'
564-565	N28°03'21"E	30.00'
565-566	N66°27'23"W	141.00'
566-567	N49°45'41"W	236.42'

LOCATION SKETCH
NOT TO SCALE



ALUMINUM MONUMENT
Y = 519,038.072
X = 820,728.750

SCALE, FEET
0 100 200

GN

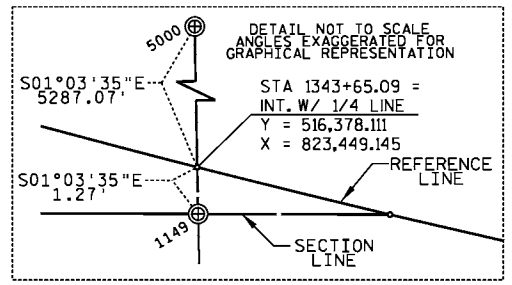
STA 1372+76.79 =
INT. W/ SEC. LINE
Y = 517,418.967
X = 820,744.807

PI STA 1374+81.73(3) 'MLB'
PI Y =517452.590
PI X =820533.500
DELTA =32°46'15" (RT)
R =2320.00
D =2°28'11"
T =682.17
L =1326.94
PT STA 1381+26.50'MLB'

N00°34'06"W 1619.18'
STA. 1374+21.39
PC 1367+99.56 'MLB'
1370+00 'MLB'
N00°34'06"W 1032.62'
N00°34'06"W 2651.81'
N 78°03'21" E
SECTION LINE
STAGE RD
PI 325+00.00 'ST'
Y = 516,995.11
X = 821,061.420
325+00 'ST'
CSM 1044 DOC. 663758
LOT 1
LOT 3 CSM 1044 DOC. 663758
LOT 2
LOT 4
LOT 5
LOT 6
ADDISON ACRES DOC. # 675551
15' WATER LINE EASEMENT DOC. # 585945
20' WATER MAIN EASEMENT PER ADDISON ACRES PLAT
SEWER EASEMENT DOC. # 799919
SEWER EASEMENT DOC. # 799918
SEWER EASEMENT DOC. # 799917
SEWER EASEMENT DOC. # 799916
SEWER EASEMENT DOC. # 799925
SEWER EASEMENT DOC. # 799915
SEWER EASEMENT DOC. # 799924
SEWER EASEMENT DOC. # 799914
P.L.
SAN
NYS
TOWN OF SOUTH LANCASTER
1/16 LINE
LOT 1 CSM 1043 DOC. 663757
1365+00 'MLB'
1360+00 'MLB'
1355+00 'MLB'
1350+00 'MLB'
1345+00
N 67°44'42" W
USH 61 / STH 35/81
SE - SW SEC 11-T4N-R3W
NE - NW SEC 14-T4N-R3W
PT 1350+87.06 'MLB'
PI 1346+40.31 'MLB'
STA. 1348+00.00
Y=516,453.378
X=823,021.423
PISTA 1346+40.31'MLB'
PIY =516372.180
PIX =823173.710
DELTA =22°00'48" (RT)
R =2355.00
D =2°25'59"
T =458.05
L =904.80
PC STA 1341+82.26'MLB'
STA 1285+38.78 =
STA 327+99.03'RLA'
Y = 517,179.004
X = 821,202.065
SECTION LINE
S89°47'49"E 2694.14'
ALUMINUM MONUMENT
Y = 516,386.396
X = 820,755.047
PK NAIL
Y = 521,664.278
X = 823,351.360
1/2" STEEL COTTON GIN SPIKE
STA. 1345+09.56
1.26' RT
Y = 516,376.846
X = 823,449.168
SEE DETAIL
TLE - DRIVEWAY 0.04 AC.
COMPUTED POSITION PER TIES
Y = 511,075.613
X = 823,564.543

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
546-547	92.52'	2231.83' L	S73°19'31"E	92.51'

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1520	3/4" REBAR	517077.044	821282.324
1521	3/4" REBAR	517057.568	821329.061
1522	3/4" REBAR	517006.098	821426.430
1523	3/4" REBAR	516987.111	821462.274
1524	3/4" REBAR	516855.079	821786.585
1525	3/4" REBAR	516808.000	821875.397
1526	3/4" REBAR	516732.536	822060.536
1527	3/4" REBAR	516647.777	822242.052
1528	3/4" REBAR	516576.972	822415.826
1529	3/4" REBAR	516506.011	822616.420
1530	3/4" REBAR	516419.867	822910.176
1531	3/4" REBAR	516378.119	823053.610
1537	3/4" REBAR	516795.651	822302.278
1538	3/4" REBAR	517173.591	821376.063



EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT T 08-1(3) AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
59	GARY D. MORROW & TESSA L. MORROW	TLE	---	---	---	0.04
60	DENNIS J. ADDISON	FEE	0.16	0.14	0.30	---
61	ROGER A. IHM	FEE	0.05	---	0.05	---
62	DAVID F. OYEN	FEE	0.13	---	0.13	---
63	KEVIN A. RAISBECK & CHERYL J. RAISBECK	FEE	0.15	---	0.15	---
64	DOUGLAS G. BENDORF & CLAUDETTE E. BENDORF	FEE	0.11	---	0.11	---
65	ISSAC J. WALL & BRITNEY R. WALL	FEE	0.03	---	0.03	---
66	CLARENCE N. KIPPER & ROSE KIPPER	FEE	0.29	---	0.29	---

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: _____ DATE: 3-25-2021
PRINTED NAME: CORY SCHLAGEL

4

TRANSPORTATION PROJECT PLAT NO: 1650-06-20 - 4.21
AMENDMENT NO. 1

REMOVES UTILITY NO. 103 & 108, AND ADDS UTILITY NO. 101 & 112 OF TRANSPORTATION PROJECT PLAT NO. 1650-06-20-4.21 RECORDED AS DOC. NO. 788472

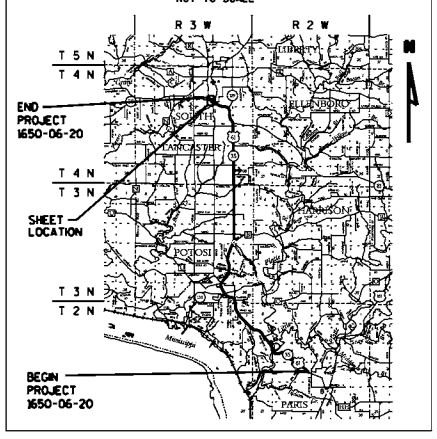
PART OF LOT 1 CERTIFIED SURVEY MAP NO. 1337 AND LOT 2 CERTIFIED SURVEY MAP NO. 633 LOCATED IN AND INCLUDING THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, ALSO PART OF LOT 1 CERTIFIED SURVEY MAP NO. 1337 LOCATED IN AND INCLUDING THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, ALL IN SECTION 10, T4N, R3W, TOWN OF SOUTH LANCASTER, GRANT COUNTY, WISCONSIN.

RELOCATION ORDER USH 61 DICKEYVILLE - LANCASTER (HICKORY LANE - ALONA LANE) GRANT COUNTY

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.

LOCATION SKETCH
NOT TO SCALE



GRANT COUNTY, WI
RECEIVED FOR RECORD
04/09/2021 12:03 PM
#819616
ANDREA NOETHE, REGISTER
Pages Recorded: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1650-06-20-4.21
AMENDMENT NO. 1

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.

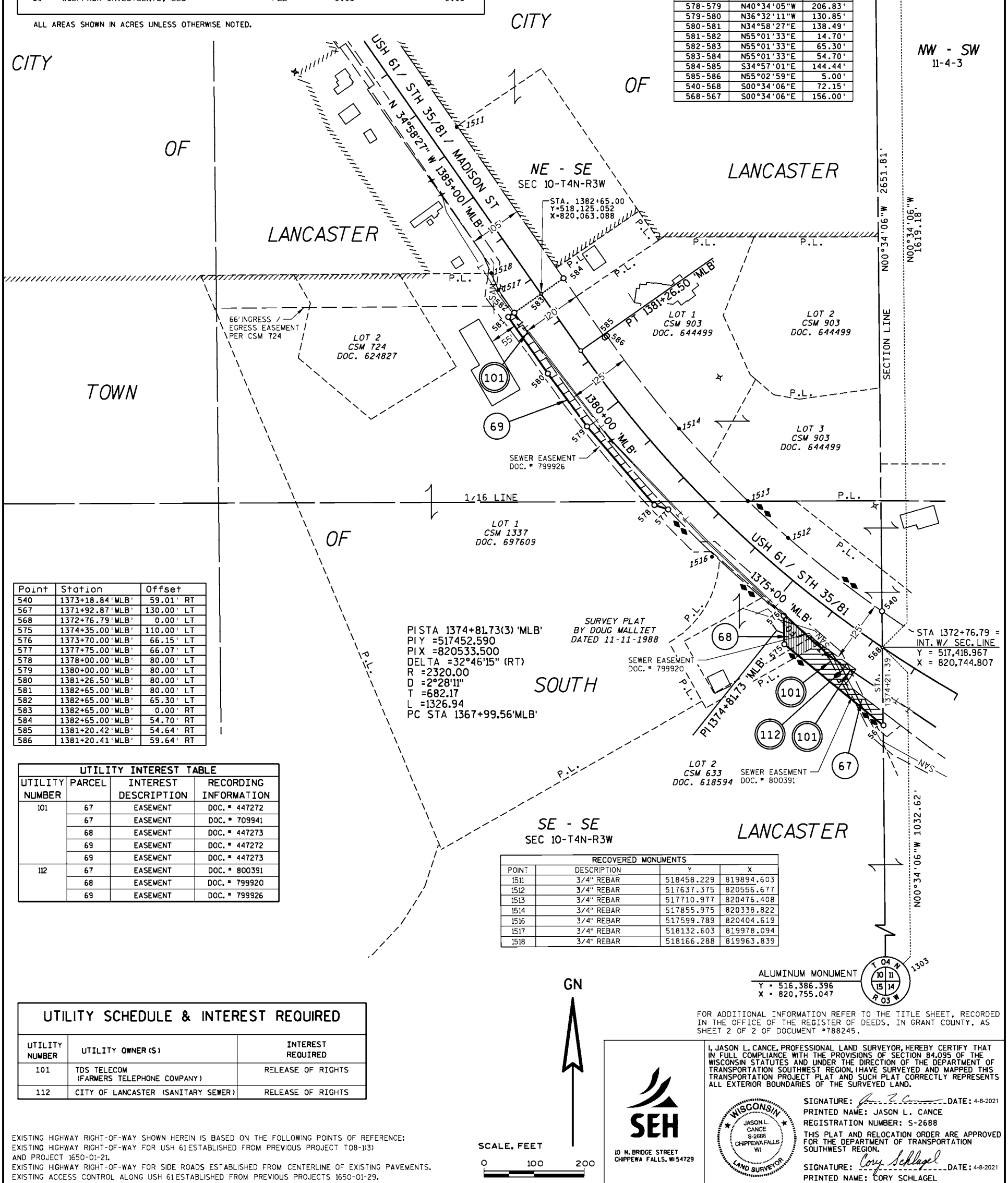
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL
67	ANTHONY D. SCHAFFER & CAROLYN A. SCHAFFER	FEE	0.15	---	0.15
68	BRIAN R. KIRSCH AND SONYA R. KIRSCH	FEE	0.07	---	0.07
69	WOLFPACK INVESTMENTS, LLC	FEE	0.15	---	0.15

ALL AREAS SHOWN IN ACRES UNLESS OTHERWISE NOTED.

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	BEARING	DISTANCE
576-577	313.70'	2356.76' R	N47°24'28"W	313.47'
586-540	781.17'	2231.85' L	S44°58'39"E	777.19'

COURSE TABLE		
COURSE	BEARING	DISTANCE
1303-567	N00°34'06"W	876.62'
567-575	N50°33'19"W	255.32'
575-576	N01°15'29"W	56.95'
577-578	N71°43'15"W	29.31'
578-579	N40°34'05"W	206.83'
579-580	N36°32'11"W	130.85'
580-581	N34°58'27"E	138.49'
581-582	N55°01'33"E	14.70'
582-583	N55°01'33"E	65.30'
583-584	N55°01'33"E	54.70'
584-585	S34°57'01"E	144.44'
585-586	N55°02'59"E	5.00'
540-568	S00°34'06"E	72.15'
568-567	S00°34'06"E	156.00'

T 04 N, R 03 W, 10, 11 — 1300
ALUMINUM MONUMENT
Y = 519,038.072
X = 820,728.750



Point	Station	Offset
540	1373+18.84'MLB'	59.01' RT
567	1371+92.87'MLB'	130.00' LT
568	1372+76.79'MLB'	0.00' LT
575	1374+35.00'MLB'	110.00' LT
576	1373+70.00'MLB'	66.15' LT
577	1377+75.00'MLB'	66.07' LT
578	1378+00.00'MLB'	80.00' LT
579	1380+00.00'MLB'	80.00' LT
580	1381+26.50'MLB'	80.00' LT
581	1382+65.00'MLB'	80.00' LT
582	1382+65.00'MLB'	65.30' LT
583	1382+65.00'MLB'	0.00' RT
584	1382+65.00'MLB'	54.70' RT
585	1381+20.42'MLB'	54.64' RT
586	1381+20.41'MLB'	59.64' RT

RECOVERED MONUMENTS			
POINT	DESCRIPTION	Y	X
1511	3/4" REBAR	518458.229	819894.603
1512	3/4" REBAR	517637.375	820556.677
1513	3/4" REBAR	517710.977	820476.408
1514	3/4" REBAR	517855.975	820338.822
1516	3/4" REBAR	517599.789	820404.619
1517	3/4" REBAR	518132.603	819978.094
1518	3/4" REBAR	518166.288	819963.839

UTILITY INTEREST TABLE			
UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
101	67	EASEMENT	DOC. # 447272
	67	EASEMENT	DOC. # 709941
	68	EASEMENT	DOC. # 447273
	69	EASEMENT	DOC. # 447272
	69	EASEMENT	DOC. # 447273
112	67	EASEMENT	DOC. # 800391
	68	EASEMENT	DOC. # 799920
	69	EASEMENT	DOC. # 799926

UTILITY SCHEDULE & INTEREST REQUIRED

UTILITY NUMBER	UTILITY OWNER (S)	INTEREST REQUIRED
101	TDS TELECOM (FARMERS TELEPHONE COMPANY)	RELEASE OF RIGHTS
112	CITY OF LANCASTER (SANITARY SEWER)	RELEASE OF RIGHTS

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 61 ESTABLISHED FROM PREVIOUS PROJECT T08-1(3) AND PROJECT 1650-01-21.
EXISTING HIGHWAY RIGHT-OF-WAY FOR SIDE ROADS ESTABLISHED FROM CENTERLINE OF EXISTING PAVEMENTS.
EXISTING ACCESS CONTROL ALONG USH 61 ESTABLISHED FROM PREVIOUS PROJECTS 1650-01-29.

GN

SCALE, FEET
0 100 200

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN GRANT COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #788245.

SEH
10 N. BRIDGE STREET
CHIPPEWA FALLS, WI 54729

I, JASON L. CANCE, 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 DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN — JASON L. CANCE S-2688 CHIPPEWA FALLS WI — LAND SURVEYOR

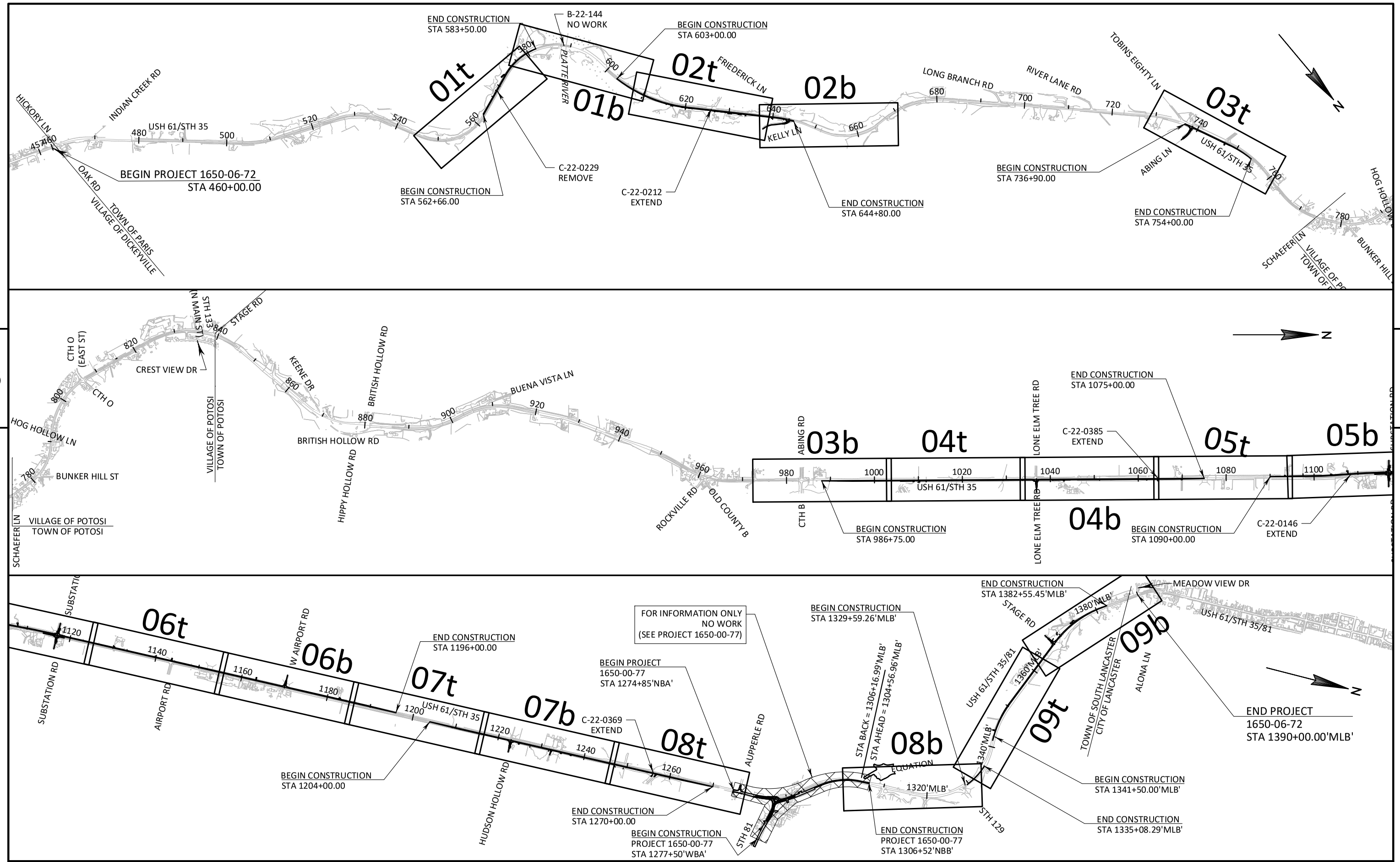
SIGNATURE: _____ DATE: 4-8-2021
PRINTED NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION.

SIGNATURE: Cory Schlagel DATE: 4-8-2021
PRINTED NAME: CORY SCHLAGEL

PLOT SCALE : N/A
PLOT BY : SEH
PLOT DATE : 4/8/2021
PLOT NAME : P:\UZ\WW\tsw\Common\117738_madison\RDUSH6121A1.dgn
FILE NAME : APPRAISAL PLAT DATE :

4



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	INDEX OF PLAN SHEETS	PAGE 00 OF 09	SHEET 103 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\050200 PN V3 (PLAN SHEET INDEX).DWG PLOT DATE : 7/20/2022 9:00 AM PLOT BY : SEH LAYOUT NAME : 00 PLOT SCALE : 1.0 IN = 2000.0 FT

WISDOT/CADDS SHEET 42

5

KELEHER

STA 567+13
EXTEND EXISTING 24" CPRC
4 LF- 24" CPRC CLASS III REQ'D LT
2- 24" AECPRC REQ'D LT & RT

KELEHER

STA 572+76, LT
CONSTRUCT AGG FE

BEGIN TAPER
STA 575+00.00, 30' LT

DICKEYVILLE (TDS) (FO)

TLE

R/W

MATCH LINE 578+00

545

DICKEYVILLE (TDS) (FO)

550

R/W

USH 61

BEGIN CONSTRUCTION
STA 562+66.00, LT
MATCH EXISTING SB PASSING LANE
SAWING ASPHALT REQ'D

555

560

SLOPE INTERCEPT

565

570

575

KUBITZ

SAWING ASPHALT REQ'D

REMOVE GUARDRAIL
STA 566+88 TO STA 577+66, LT

REUTER

N

R/W

REUTER

STA 568+72
EXTEND EXISTING 24"X24" BOX CULVERT C-22-229 WITH 30" CPRC
SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION
24 LF- 30" CPRC CLASS III REQ'D LT
1- 30" AECPRC REQ'D LT
1 -CONCRETE COLLAR REQ'D LT

STA 562+66 TO STA 582+00, LT
CLEARING AND GRUBBING

STA 576+80
EXTEND EXISTING 24" CPRC
24 LF- 24" CPRC CLASS III REQ'D LT
2- 24" AECPRC REQ'D LT & RT

5

STA 575+00 TO STA 582+00, LT
CLEARING AND GRUBBING

STA 579+86 TO STA 584+00, LT
REMOVING FENCE REQ'D

PLATTE RIVER

STRUCTURE
B-22-144
(NO WORK)

R/W

ANNA SUN FAMILY TRU

REMOVE GUARDRAIL
STA 581+00 TO STA
587+69, LT

590

USH 61

LEIBFRIED

LEIBFRIED

NEBEL

595

585

DICKEYVILLE (TDS)
(TEL)

DICKEYVILLE (TDS) (FO)

END CONSTRUCTION
STA 583+50.00, LT
END SLOPE GRADING
MATCH EXISTING

SCENIC RIVERS
ENERGY COOP
(ELEC)

JOHNS

R/W

NEBEL

BEGIN CONSTRUCTION
STA 603+00.00
NB CLIMBING LANE

600

R/W

SLOPE
INTERCEPT

580

BREHM

JOHNS

SPECTRUM (FO)

FARMERS TELEPHONE COMPANY (FO)

FARMERS TELEPHONE COMPANY (TEL)

WHITE

605

SAWING ASPHALT
REQ'D

SAWING ASPHALT
REQ'D

END TAPER
STA 582+00.00, 18' LT
MATCH EXISTING
SAWING ASPHALT REQ'D

KUBITZ

SLOPE
INTERCEPT

BEGIN TAPER
STA 603+00.00, 18' RT
MATCH EXISTING
SAWING ASPHALT REQ'D

MATCH LINE 608+50

MATCH LINE 578+00

UBITZ

GRANT COUNTY

REMOVE GUARDRAIL
STA 605+13 TO STA 616+61, RT

R/W

KUBITZ

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 01 OF 09	SHEET 104	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\050201 pn v3.dwg
PLOT DATE : 7/20/2022 9:01 AM
PLOT BY : SEH
LAYOUT NAME: 01
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

STA 603+00 TO STA 614+00, RT
STA 624+50 TO STA 626+50, RT
CLEARING AND GRUBBING

STA 629+98, RT & 632+60, RT
CONSTRUCT ASPHALTIC FLUMES

FRIEDERICK C A REVO

TIMMERMAN

KAPPAROS

NEBEL

FARMERS TELEPHONE COMPANY (TEL)

SCENIC RIVERS ENERGY COOP (ELEC)

REMOVE GUARDRAIL
STA 632+47 TO STA 636+59, LT

END TAPER
STA 603+00.00, 30' RT

MATCH LINE 608+50

IMPACTED WETLAND AREA

STA 620+04, RT
CONSTRUCT AGG PE
1- REMOVING SMALL PIPE CULVERTS

EXIST R/W

SAWING ASPHALT REQ'D

MATCH LINE 638+00

610 615 620 625 630 635

USH 61

R/W

REMOVE GUARDRAIL
STA 605+13 TO STA 616+61, RT

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

SPECTRUM (FO)

SLOPE INTERCEPT

STA 619+00 TO 621+50, RT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D
NO PIPE REQ'D

STA 621+60, RT
CONSTRUCT ASPHALTIC FLUME

HESS

FARMERS TELEPHONE COMPANY (TEL)

R/W

STA 626+50 TO 632+50, RT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D

ROHDE

SPECTRUM (FO)

R/W

STA 632+25, RT
CONSTRUCT ASPH CE
SAWING ASPHALT REQ'D

GERBER

STA 630+35, RT
CONSTRUCT ASPH CE
SAWING ASPHALT REQ'D
1- REMOVING SMALL PIPE CULVERTS
69 LF- 18" CPRC CLASS III-A REQ'D
1- AECP REQ'D

STANER

STA 629+79, RT
EXTEND EXISTING 24" CPRC
10 LF- 24" CPRC CLASS III REQ'D RT
1- 24" AECPRC REQ'D RT

STA 610+20, RT
EXTEND EXISTING 72" CPRC
GRADE CHANNEL TO MATCH CULVERT EXTENSION
28 LF-72" CPRC CLASS III REQ'D RT
1- 72" AECPRC REQ'D RT

STA 615+40, RT
EXTEND EXISTING 15" CPRC
14 LF- 15" CPRC CLASS III REQ'D RT
1- INLET 2G-MS REQ'D RT

ESSER

STA 616+92, RT
CONSTRUCT ASPH PE
SAWING ASPHALT REQ'D
1- REMOVING SMALL PIPE CULVERTS
50 LF-18" CMP CLASS III-A REQ'D RT
2- AECP REQ'D

STA 625+87, RT
EXTEND EXISTING 3.5'X6' RCBC
SEE STRUCTURE PLANS
C-22-0212

STA 626+72, RT
CONSTRUCT AGG PE
1- REMOVING SMALL PIPE CULVERTS

STANER

STA 630+58, RT
CONSTRUCT
1-INLET MEDIAN 1 GRATE
1-INLET COVER TYPE MS REQ'D

STA 634+03, RT
REMOVE CONCRETE MASONRY ENDWALLS RT
EXTEND EXISTING TWIN 72" CPRC
14 LF- 72" CPRC CLASS III REQ'D RT
18 LF- 72" CPRC CLASS III REQ'D RT
CONCRETE MASONRY ENDWALLS REQ'D RT

FRIEDERICK LN

SCENIC RIVER ENERGY COOP (ELEC)

KERKENBUSH

GRASS

JACOBSON

JACOBSON

MATCH LINE 638+00

640 645 650 655 660 665 670

STA 643+72.63 =
STA 25+00.00'KL'
CONSTRUCT MODIFIED TYPE D INTERSECTION
SEE STANDARD DETAIL DRAWING
SEE PLAN AND PROFILE: KELLY LANE

STA 642+50, RT
EXTEND EXISTING 24" CPRC
6 LF- 24" CPRC CLASS III REQ'D RT
1- 24" AECPRC REQ'D RT

SAWING ASPHALT REQ'D

SPECTRUM (FO)
SLOPE INTERCEPT

KELLY LN

30'KL 28'KL 26'KL

END CONSTRUCTION
STA 27+00.00'KL'
MATCH EXISTING

R/W

END CONSTRUCTION
STA 644+80.00
NB PASSING LANE
MATCH EXISTING
SAWING ASPHALT REQ'D

JACOBSON

R/W

MAJERUS

USH 61

R/W

MAJERUS

MAJERUS

MAJERUS

STA 639+81, RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
30 LF- 18" CMP CLASS III-A REQ'D
2- AECP REQ'D

STA 25+50'KL'
77 LF- 18" CPRC CLASS III-A REQ'D
2- 18" AECP REQ'D
STA 26+00'KL' TO STA 27+00'KL', LT
REMOVING FENCE REQ'D

STA 25+00'KL' TO STA 27+00'KL', LT
CLEARING AND GRUBBING

DAVID

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 02 OF 09	SHEET 105	E

B & B FARMS INC

TOBINS EIGHTY LN

FARMERS TELEPHONE COMPANY (TEL)

STA 738+69.61 =
STA 65+00.00'AB'
CONSTRUCT TYPE D INTERSECTION
SEE STANDARD DETAIL DRAWING
SEE PLAN AND PROFILE: ABING LANE

SCENIC RIVERS ENERGY COOP (ELEC)

SAWING ASPHALT REQ'D

BEGIN TAPER
STA 747+00, 30' RT

R/W

END CONSTRUCTION
STA 754+00.00
END NB CLIMBING EXTENSION

END TAPER
STA 754+00, 18' RT
MATCH EXISTING
SAWING ASPHALT REQ'D

730 735 740 745 750 755 760

USH 61

BEGIN CONSTRUCTION
STA 736+90.00
MATCH EXIST NB PASSING LANE EXTENSION
SAWING ASPHALT REQ'D

FARMERS TELEPHONE COMPANY (FO & TEL)

SLOPE INTERCEPT

PROPOSED R/W

PUBLISH CONTROL MONUMENTS
STA 748+77.58, OFFSET 42.7614 RT

KLEIN

R/W

SCENIC RIVERS ENERGY COOP (ELEC)

TOBIN

SCENIC RIVERS ENERGY COOP (ELEC)

STA 65+83'AB' TO STA 68+50'AB', RT
REMOVING FENCE REQ'D

STA 736+75 TO STA 738+70, RT
REMOVING FENCE REQ'D

STA 65+47'AB'
1- REMOVING SMALL PIPE CULVERTS
75 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

ABING LN

END CONSTRUCTION
STA 68+55'AB'
MATCH EXISTING
SAWING ASPHALT REQ'D

YOOSE, LE

STA 746+99, RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
26 LF- 18" CULVERT PIPE CLASS III-A REQ'D RT
2- 18" AECP REQ'D

KLEIN FARMS LLC

KUSTER

ABING RD

PLACKO

FARMERS TELEPHONE COMPANY (TEL)

R/W

SAWING ASPHALT REQ'D

975 980 985 990 995 1000

USH 61

MATCH LINE 1003+25

ALLIANT ENERGY (ELEC)

CTH B

FARMERS TELEPHONE COMPANY (TEL)

BEGIN TAPER
STA 988+00, 18' RT
MATCH EXISTING
SAWING ASPHALT REQ'D

SLOPE INTERCEPT

SPECTRUM (FO)

END TAPER
STA 995+00, 30' RT

R/W

REMOVE GUARDRAIL
STA 986+75 TO STA 991+05, RT

BEGIN CONSTRUCTION
STA 986+75.00
BEGIN SLOPE GRADING
MATCH EXISTING
NB PASSING LANE

WOLFE

DEBACK REVOCABLE TRUST

STA 989+78
EXTEND EXISTING 36" CPRC
4 LF-36" CPRC CLASS IV REQ'D RT
2- 36" AECPRC REQ'D LT & RT

MOUW FAMILY INVESTMENTS LLC

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 03 OF 09	SHEET 106	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\050201 pn v3.dwg
PLOT DATE : 9/9/2022 11:17 AM
PLOT BY : SEH
LAYOUT NAME: 03
PLOT SCALE : 1.0 IN = 200.0 FT
WISDOT/CADDS SHEET 44

STA 1008+89, RT
CONSTRUCT AGG CE
1- REMOVING SMALL PIPE CULVERTS
38 LF- 18" CMP CLASS III-A REQ'D RT
2- 18" AECP REQ'D

STA 1010+14, RT
CONSTRUCT AGG FE
49 LF- 18" CMP CLASS III-A REQ'D RT
2- 18" AECP REQ'D

STA 1011+78
EXTEND EXISTING 24" CPRC
10 LF- 24" CPRC CLASS III REQ'D RT
2- 24" AECPRC REQ'D LT & RT

STA 1033+70
REMOVE EXISTING CONC MASONRY ENDWALLS
EXTEND EXISTING 36" CPRC
10 LF- 36" CPRC CLASS IV REQ'D RT
2- 36" AECPRC REQ'D LT & RT
RIPRAP TREATMENT REQ'D AT AEW OUTLET RT

N

CRAY

CRAY

MATCH LINE 1003+25

1005 1010 1015 1020 1025 1030

MATCH LINE 1033+80

R/W

SAWING ASPHALT REQ'D

USH 61

SPECTRUM (FO)

R/W

ALLIANT ENERGY (ELEC)

SLOPE INTERCEPT

R/W

FARMERS TELEPHONE COMPANY (TEL)

STA 1006+00 TO 1008+50
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D
NO PIPE REQ'D

MOUW FAMILY INVESTMENTS LLC

TWIG FARM LLC

TWIG FARM LLC

STA 1010+26 TO STA 1036+49, RT
REMOVING FENCE REQ'D

STA 1029+25
EXTEND EXISTING 36" CPRC
12 LF- 36" CPRC CLASS IV REQ'D RT
2- 36" AECPRC REQ'D LT & RT
RIPRAP TREATMENT REQ'D AT AEW OUTLET RT

5

5

STA 1037+11 TO STA 1040+38, RT
REMOVING FENCE REQ'D

ROESCH

ROESCH

TWIG FARM LLC

N

LONE ELM TREE RD (WEST)

STA 1036+85.52 =
STA 225+00.00'LE'
CONSTRUCT TYPE D INTERSECTION
SEE STANDARD DETAIL DRAWING &
PLAN AND PROFILE: LONE ELM TREE RD

SAWING ASPHALT REQ'D

R/W

PUBLISH CONTROL MONUMENTS
STA 1058+67.89, OFFSET 64.1260 LT

MATCH LINE 1033+80

1035 1040 1045 1050 1055 1060

MATCH LINE 1064+00

USH 61

226'LE'

STA 1040+50, RT
CONSTRUCT
ASPHALTIC FLUME

STA 1040+50 TO 1044+50, RT
CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH TYPE D
NO PIPE REQ'D

SLOPE INTERCEPT

SPECTRUM (FO)

R/W

ALLIANT ENERGY (ELEC)

REMOVE GUARDRAIL
STA 1043+47 TO STA 1047+50, RT

FARMERS TELEPHONE COMPANY (TEL)

LONE ELM TREE RD (EAST)

228'LE'

END CONSTRUCTION
STA 226+94.95'LE'
MATCH EXISTING

STA 1043+08, RT
CONSTRUCT AGG CE

TWIG FARM LLC

STA 225+53'LE'
103 LF-C12" CPRC CLASS III-A REQ'D
2- 12" AECPS REQ'D

STA 1046+13 TO STA 1071+00, RT
REMOVING FENCE REQ'D

STA 1051+23
EXTEND EXISTING 24" CPRC
8 LF- 24" CPRC CLASS III REQ'D RT
2- 24" AECPRC REQ'D LT & RT

TWIG FARM LLC

STA 1061+91, RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 04 OF 09	SHEET 107	E

LEGEND
X - REMOVE TREE

TWIG FARM LLC
ENG-REUTER
TWIG FARM LLC
TWIG FARM LLC
TWIG FARM LLC
TWIG FARM LLC
CEMETERY
ROESCH
FREAR
FREAR
TWIG FARM LLC

MATCH LINE 1064+00
MATCH LINE 1094+40
1065
1070
1075
1080
1085
1090
USH 61

R/W
R/W
R/W
SLOPE INTERCEPT
PUBLISH CONTROL MONUMENTS
STA 1064+51.44, OFFSET 29.9013 RT
END CONSTRUCTION
STA 1075+00.00
NB PASSING LANE
END TAPER
STA 1075+00, 18' RT
MATCH EXISTING
SAWING ASPHALT REQ'D
SPECTRUM (FO)
FARMERS TELEPHONE COMPANY (TEL)
ALLIANT ENERGY (ELEC)
BEGIN CONSTRUCTION
STA 1090+00.00
SB PASSING LANE
BEGIN TAPER
STA 1090+00, 18' LT
MATCH EXISTING
SAWING ASPHALT REQ'D
REMOVE GUARDRAIL
STA 1091+08 TO
STA 1111+40, LT
SLOPE INTERCEPT
SAWING ASPHALT REQ'D

STA 1064+43
EXTEND EXISTING 3.5X5 RCBC RT
SEE STRUCTURE PLANS
C-22-0385

STA 1046+13 TO STA 1071+00, RT
REMOVING FENCE REQ'D

STA 1069+89, RT
CONSTRUCT AGG FE
32 LF- 18" CMP CLASS III-A REQ'D
2- AECP REQ'D

STA 1093+36, LT
CONSTRUCT ASPH PE
SAWING ASPHALT REQ'D
1- REMOVING SMALL PIPE CULVERTS
24 LF-C18" CMP CLASS III-A
2- 18" AECP REQ'D

5

STA 1097+51, LT
EXTEND EXISTING 24" CPRC
32 LF- 24" CPRC CLASS III REQ'D LT
1- 24" AECPRC REQ'D LT

STA 1103+88, LT
CONSTRUCT AGG PE
REMOVE EXISTING SMALL CULVERT PIPE
33 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

STA 1108+29
EXTEND EXISTING RCBC LT
SEE STRUCTURE PLANS
C-22-0146

STA 247+61'SW'
1- REMOVING SMALL PIPE CULVERTS

STA 246+31'SW' TO STA 246+97'SW', RT
REMOVING FENCE REQ'D

STA 247+33'SW'
77 LF- 12" CPRC CLASS III-A REQ'D
2- 12" AECP REQ'D

TWIG FARM LLC
CLARK
ROESCH
ROESCH
ROESCH
EAGLE CREEK MIDWEST
DEGENHARDT
DWEST

MATCH LINE 1094+40
MATCH LINE 1125+00
1095
1100
1105
1110
1115
1120
USH 61
SUBSTATION RD (WEST)
SUBSTATION RD (EAST)

R/W
SLOPE INTERCEPT
WISDOT ATR
DELINEATED
WETLAND
BOUNDARY
IMPACTED
WETLAND
AREA
FARMERS TELEPHONE COMPANY (TEL & FO)
REMOVE GUARDRAIL
STA 1091+08 TO STA 1111+40, LT
DAIRYLAND
POWER COOP
(ELEC)
CAUTION
END CONSTRUCTION
STA 246+00.00'SW'
MATCH EXISTING
SAWING ASPHALT REQ'D
SPECTRUM (FO)
FARMERS TELEPHONE COMPANY
(TEL & FO)
SPECTRUM (FO)
END TAPER
STA 1097+00, 30' LT
R/W
SAWING ASPHALT REQ'D
ALLIANT ENERGY (ELEC)
RECONSTRUCT INTERSECTION
BEGIN CONSTRUCTION
STA 1113+80.00
MATCH EXISTING
SAWING ASPHALT REQ'D
R/W
SCENIC RIVERS (ELEC)
R E A - DAIRYLAND P
RECONSTRUCT INTERSECTION
END CONSTRUCTION
STA 1118+67.85
MATCH EXISTING
SAWING ASPHALT REQ'D
DAIRYLAND
POWER COOP
(ELEC)
FARMERS TELEPHONE COMPANY (TEL & FO)
STA 1116+98.38 =
STA 235+00.00'SE'
CONSTRUCT TYPE D INTERSECTION
SEE INTERSECTION DETAIL
END CONSTRUCTION
STA 236+54.52'SE'
MATCH EXISTING
SEE PLAN & PROFILE SHEETS
FOR DRIVEWAY CULVERTS
INFORMATION

STA 1117+57, LT
ABANDON WELL

STA 1117+25, LT
CONSTRUCT
ASPHALTIC FLUME

STA 1117+02.34 =
STA 247+92.64'SW'
CONSTRUCT MODIFIED TYPE D INTERSECTION
SEE STANDARD DETAIL DRAWING
SEE PLAN AND PROFILE: SUBSTATION RD

STA 1094+00 TO STA 1097+40, LT
CLEARING AND GRUBBING

STA 1080+00 TO STA 1116+70, LT
STA 1115+50 TO STA 1116+68, RT
REMOVING FENCE REQ'D

STA 235+51'SE' TO STA 236+60'SE', RT
REMOVING FENCE REQ'D

STA 235+31'SE'
1- REMOVING SMALL PIPE CULVERTS
STA 235+38'SE'
104 LF- 12" CPRC CLASS III-A REQ'D
1- 12" AECP REQ'D
1- INLETS MEDIAN 1 GRATE
1- INLET COVERS TYPE MS REQ'D

5

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 05 OF 09	SHEET 108	E

STA 1130+21, LT
CONSTRUCT AGG PE
1- REMOVING SMALL PIPE CULVERTS
26 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

X = REMOVE TREE

VESPERMAN

EAGLE CREEK MIDWEST

STA 1133+22
EXTEND EXISTING 24" CPRC
8 LF- 24" CPRC CLASS IV REQ'D LT
2- 24" AECPRC REQ'D LT & RT

EAGLE CREEK MIDWEST

STA 1139+77
EXTEND EXISTING 24" CPRC
15 LF- 24" CPRC REQ'D LT
2- 24" AECPRC REQ'D LT & RT

STA 1144+29', LT
EXTEND EXISTING 36" TWIN CPRC
12 LF- 36" CPRC CLASS IV REQ'D LT
CONCRETE WING WALLS REQ'D LT

EAGLE CREEK MIDWEST

N

STA 1143+63, LT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
24 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

PUBLISH CONTROL MONUMENTS
STA 1143+79.93, OFFSET 46.6213 LT

FARMERS TELEPHONE COMPANY (FO)

FARMERS TELEPHONE COMPANY (TEL)

SLOPE INTERCEPT

ALLIANT ENERGY (ELEC)

TLE

SPECTRUM (FO)

EAGLE CREEK MIDWEST

R/W

MATCH LINE 1125+00

1125

1130

1135

1140

1145

1150

1155

MATCH LINE 1155+25

USH 61

R/W

SCENIC RIVERS ENERGY COOP (ELEC)

SAWING ASPHALT REQ'D

WIEST-A-VISTA DAIRY

WIEST-A-VISTA DAIRY

AIRPORT RD

VESPERMAN DORIS FAM

FARMERS TELEPHONE COMPANY (FO)

LOUDSPEAKER COMPONENTS LEASING LLC

FARMERS TELEPHONE COMPANY (TEL)

LANCASTER CITY

5

5

STA 1163+32, LT
CONSTRUCT AGG FE

EAGLE CREEK MIDWEST

STA 1169+76, LT
EXTEND EXISTING 24" CPRC
SKEW OUTLET 5 DEGREES SOUTH
25 LF- 24" CPRC CLASS IV REQ'D LT
1- 24" AECPRC REQ'D

STA 267+03'WA' TO STA 267+45'WA', LT
REMOVING FENCE REQ'D

STA 1170+35 TO STA 1180+00, LT
STA 1184+17 TO STA 1186+78, LT
REMOVING FENCE REQ'D

STA 1185+12
EXTEND EXISTING 36" CPRC
4 LF- 36" CPRC CLASS III REQ'D LT
2- 36" AECPRC REQ'D LT & RT

N

STA 1182+82, LT
CONSTRUCT AGG PE, 55 FT WIDTH AT EDGE OF SHOULDER
1- REMOVING SMALL PIPE CULVERTS
50 LF- 24" CMP CLASS III-A REQ'D
2- 24" AECP REQ'D
EXISTING CULVERT IS TO BE REMOVED AND SALVAGED TO PROPERTY OWNER
PLACE SALVAGED CULVERT NEAR DRIVEWAY

REYNOLDS

REYNOLDS

BEGIN TAPER
STA 1160+00, 30' LT

END TAPER
STA 1167+00, 18' LT
MATCH EXISTING
SAWING ASPHALT REQ'D

W AIRPORT RD

266'WA'

EAGLE CREEK MIDWEST

SPECTRUM (FO)

TLE

ALLIANT ENERGY (ELEC)

R/W

R/W

R/W

R/W

R/W

SLOPE INTERCEPT

MATCH LINE 1155+25

1160

1165

1170

1175

1180

1185

MATCH LINE 1185+60

USH 61

R/W

LANCASTER CITY

LANCASTER CITY

LANCASTER CITY

LANCASTER CITY

LANCASTER CITY

LANCASTER CITY

LANCASTER CITY

LANCASTER CITY

FARMERS TELEPHONE COMPANY (TEL & FO)

LANCASTER CITY

BAILIE

LANCASTER CITY

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 06 OF 09	SHEET 109	E

FILE NAME : ...TSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\050201 pn v3.dwg

PLOT DATE : 11/8/2022 8:47 AM

PLOT BY : SEH

LAYOUT NAME: 06

PLOT SCALE : 1.0 IN = 200.0 FT

WISDOT/CADDS SHEET 44

MATCH LINE 1185+60

REYNOLDS

R/W

SLOPE INTERCEPT

END CONSTRUCTION
STA 1196+00.00

REYNOLDS

EAGLE CREEK MIDWEST

ALLIANT ENERGY (ELEC)

SPECTRUM (FO)

R/W

SAWING ASPHALT REQ'D

1190 1195 1200 1205 1210 1215

USH 61

R/W

FARMERS TELEPHONE COMPANY (TEL)

BEGIN TAPER
STA 1204+00, 18' RT
MATCH EXISTING
SAWING ASPHALT REQ'D

SLOPE INTERCEPT

END TAPER
STA 1211+00, 30' RT

R/W

MATCH LINE 1216+00

BAILIE

FARMERS TELEPHONE COMPANY (FO)

BEGIN CONSTRUCTION
STA 1204+00.00
NB PASSING LANE

EAGLE CREEK MIDWEST

EAGLE CREEK MIDWEST

STA 1209+24, RT
EXTEND EXISTING 24" CPRC
4 LF- 24" CPRC CLASS IV REQ'D RT
1- 24" AECPRC REQ'D

STA 1206+00 TO STA 1215+42, RT
REMOVING FENCE REQ'D

5

5

STA 1222+93.87 =
STA 275+00.00'HH'
CONSTRUCT TYPE D INTERSECTION
SEE STANDARD DETAIL DRAWING &
PLAN PROFILE: HUDSON HOLLOW RD

STA 1224+82, RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
38 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

KNAPP

KNAPP

EAGLE CREEK MIDWEST

FARMERS TELEPHONE COMPANY (TEL)

ALLIANT ENERGY (ELEC)

SPECTRUM (FO)

R/W

SPECTRUM (FO)

FARMERS TELEPHONE COMPANY (TEL)

SAWING ASPHALT REQ'D

MATCH LINE 1216+00

1220 1225 1230 1235 1240 1245

USH 61

R/W

PUBLISH CONTROL MONUMENTS
STA 1220+16.88, OFFSET 50.0551 RT

FARMERS TELEPHONE COMPANY (FO)

HH 275

REMOVE GUARDRAIL
STA 1225+07 TO STA 1232+10, RT

R/W

TLE

ALLIANT ENERGY (ELEC)

SLOPE INTERCEPT

R/W

SPECTRUM (FO)

REMOVE GUARDRAIL
STA 1242+41 TO STA 1259+54, RT

FARMERS TELEPHONE COMPANY (FO & TEL)

STA 1224+82, RT
CONSTRUCT AGG FE

MCBEE

STA 1226+08 TO STA 1232+12, RT
REMOVING FENCE REQ'D

STA 1232+38, RT
CONSTRUCT AGG PE
1- REMOVING SMALL PIPE CULVERTS
38 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

STA 1234+64, RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
39 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

EAGLE CREEK MIDWEST

HUDSON HOLLOW RD

END CONSTRUCTION
STA 276+95.00'HH'
MATCH EXISTING
SAWING ASPHALT
REQ'D

STA 275+35'HH'
1- REMOVING SMALL PIPE CULVERTS

STA 275+57'HH'
91 LF- 12" CPRC CLASS III-A REQ'D
2- 12" AECP REQ'D

FOSTER

STA 1227+37, RT
EXTEND EXISTING 24" CPRC
20 LF- 24" CPRC CLASS III REQ'D RT
1- 24" AECPRC REQ'D RT

NIHLES

STA 1231+81
EXTEND EXISTING 24" CPRC
30 LF- 24" CPRC CLASS III REQ'D RT
2- 24" AECPRC REQ'D LT & RT
RIPRAP TREATMENT REQ'D AT AEW OUTLET RT
REPAIR EROSION AT INLET

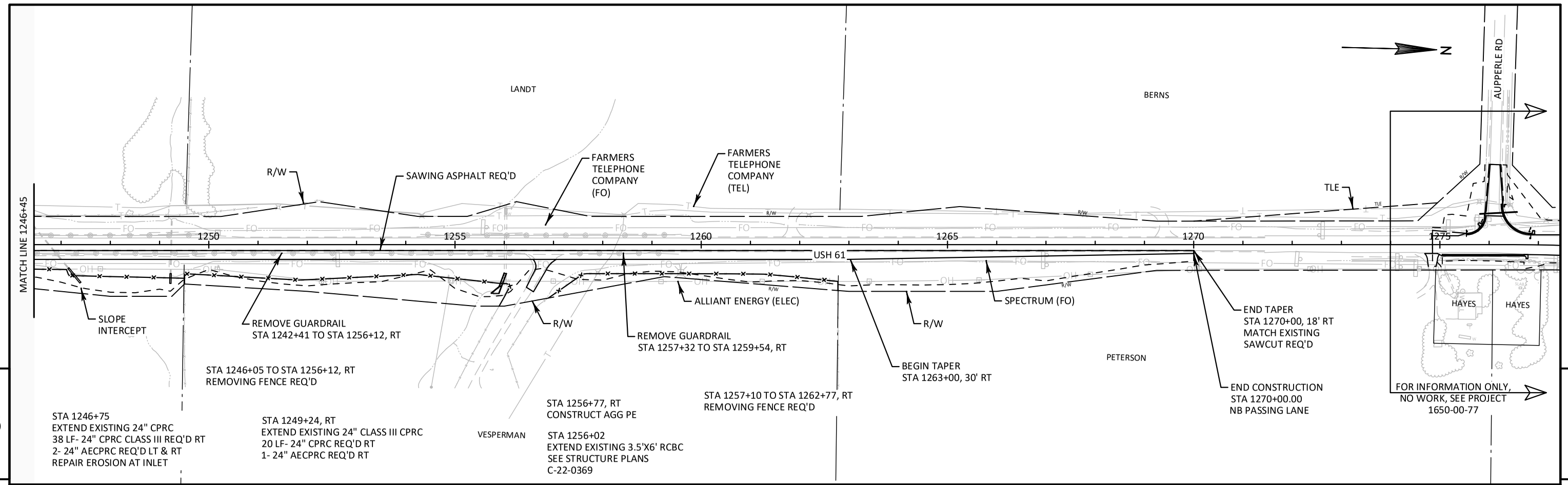
ERS

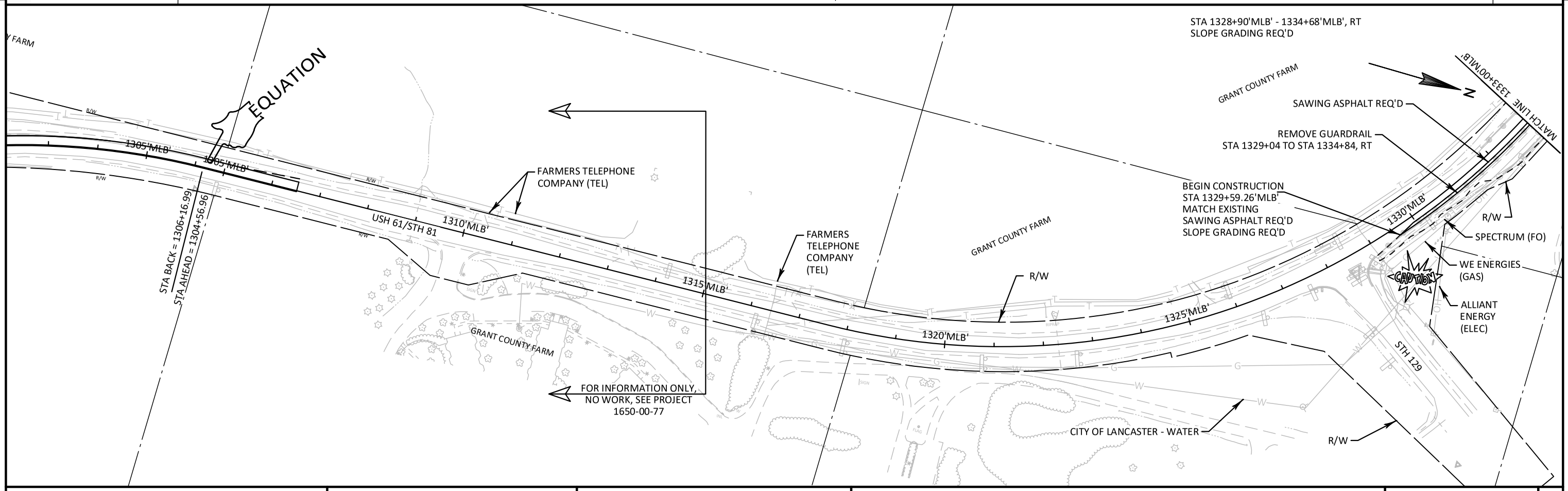
STA 1234+79 TO STA 1245+04, RT
REMOVING FENCE REQ'D

WINTERS

STA 1236+92, RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
35 LF- 18" CMP CLASS III-A REQ'D
2- 18" AECP REQ'D

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 07 OF 09	SHEET 110	E





PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 08 OF 09	SHEET 111	E

STA 1343+78'MLB', LT
CONSTRUCT AGG PE

STA 1346+45'MLB', LT
CONSTRUCT AGG CE

BEGIN CONSTRUCTION
STA 1341+50.00'MLB'
SB PASSING LANE

BEGIN TAPER
STA 1341+50'MLB', 18' LT
MATCH EXISTING
SAWING ASPHALT REQ'D

END TAPER
STA 1348+50'MLB', 30' LT

GRANT COUNTY FARM

MORROW

WE ENERGIES (GAS)

TLE

CAUTION

R/W

ADDISON

MERGEN

SLOPE INTERCEPT

CITY OF LANCASTER -
SANITARY (FORCEMAIN)

OYEN

R/W

FARMERS TELEPHONE COMPANY (TEL)

FARMERS TELEPHONE COMPANY (FO)

MATCH LINE 1333+00'MLB'

1335'MLB'

1340'MLB'

1345'MLB'

1350'MLB'

1355'MLB'

1360'MLB'

USH 61

MATCH LINE 1362+40'MLB'

ATC

CAUTION

SPECTRUM (FO)

CITY OF LANCASTER - WATER

R/W

ALLIANT ENERGY (ELEC)

WEPKING FARMS PARTN

END CONSTRUCTION
STA 1335+08.29'MLB'
END SLOPE GRADING
MATCH EXISTING
SAWING ASPHALT REQ'D

R/W

WEPKING FARMS PARTN

N

STA 1334+08'MLB'
1- 24" AECPRC REQ'D RT

5

5

STA 1368+00'MLB' TO STA 1370+00'MLB', LT
CLEARING AND GRUBBING
STA 327+30'ST'
1- REMOVING SMALL PIPE CULVERTS
STA 327+07'ST'
116 LF- 24" CPRC CLASS III-A REQ'D
1- 24" AECP REQ'D
1- INLETS MEDIAN 2 GRATE
2- INLET COVERS TYPE MS REQ'D

STA 1368+11'MLB' TO STA 1372+72'MLB', LT
STA 1372+77'MLB' TO STA 1373+85'MLB', LT
REMOVING FENCE REQ'D

STA 325+90'ST' TO STA 326+25'ST', LT
REMOVING FENCE REQ'D

KIPPER

STAGE RD

WALL

R/W

CITY OF LANCASTER -
SANITARY (FORCEMAIN)

BEGIN CONSTRUCTION
STA 326+26.70'ST'
MATCH EXISTING
SAWING ASPHALT REQ'D

BENDORF

CAUTION

WE ENERGIES
(GAS)

RAISBECK

R/W

MATCH LINE 1362+40'MLB'

1365'MLB'

1370'MLB'

DELINEATED
WETLAND
BOUNDARY

IMPACTED
WETLAND
AREA

CITY OF LANCASTER - WATER

SPECTRUM (FO)

R/W

STA 1367+59.35'MLB' =
STA 327+99.03'ST'
CONSTRUCT TYPE D INTERSECTION
SEE STANDARD DETAIL DRAWING &
PLAN PROFILE: STAGE RD

WEPKING FARMS PARTN

STA 1363+98 'MLB', LT
EXTEND EXISTING 24" CPRC
8 LF- 24" CPRC CLASS III REQ'D LT
1- 24" AECPRC REQ'D LT

STA 1369+64 'MLB', LT
EXTEND EXISTING 144" PIPE ARCH
32 LF- 144" PIPE STRUCTURAL PLATE REQ'D LT
RIPRAP OUTFALL

STA 1369+96 'MLB', LT
EXTEND EXISTING 24" CPRC
22 LF- 24" CPRC CLASS III REQ'D LT
1- 24" AECPRC REQ'D LT

SCHAFFER

CAUTION

KIRSCH

WE ENERGIES (GAS)

STA 1374+36'MLB', LT
CONSTRUCT ASPH PE
1- REMOVING SMALL PIPE CULVERT
52 LF- 18" CMP CLASS III-A REQ'D
2- AECP REQ'D

BEGIN TAPER
STA 1375+55.45'MLB', 30' LT

SLOPE INTERCEPT

1375'MLB'

1380'MLB'

SAWING ASPHALT
REQ'D

WEPKING FARMS PARTN

MCCAULEY

REUTER

JOHNSON

ALLIANT ENERGY (ELEC)

MCCAULEY

BUSS

FARMER

STA 1369+89 - STA 1373+70, LT
REMOVE GUARDRAIL

FARMERS
TELEPHONE
COMPANY (TEL)

R/W

END TAPER
STA 1382+55.45'MLB', 18' LT
MATCH EXISTING
SAWING ASPHALT REQ'D

LANCASTER PARKS & STORAGE, LLC

MEADOWVIEW DR

N

R/W

MOURS

1385'MLB'

USH 61

1390'MLB'

NILKANTH INC

NILKANTH LLC

LANCASTER CITY

CAUTION

WE ENERGIES - GAS

LANCASTER CITY

SMITH

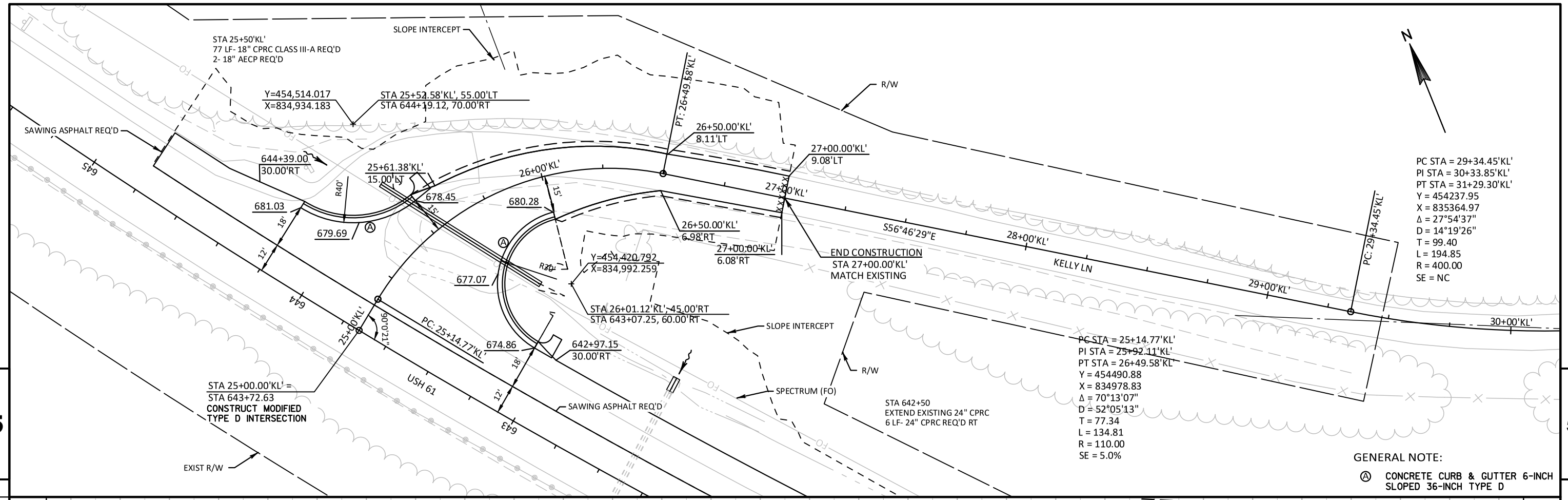
END PROJECT
STA 1390+00.00'MLB'

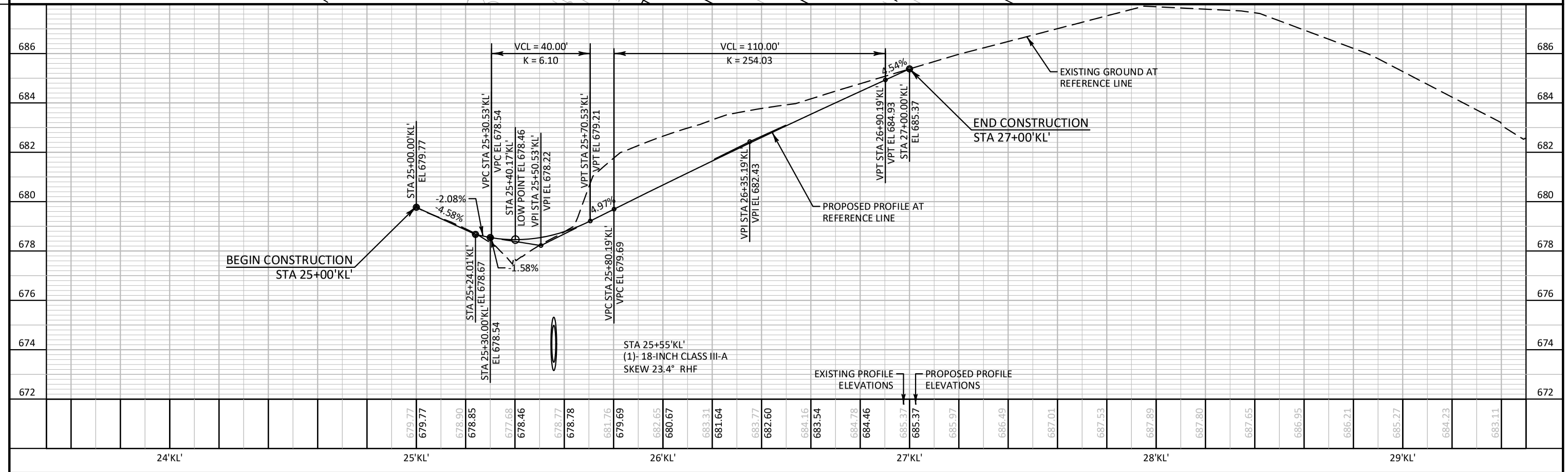
BUSSAN

SHECKLER PRO

END CONSTRUCTION
STA 1382+55.45'MLB'

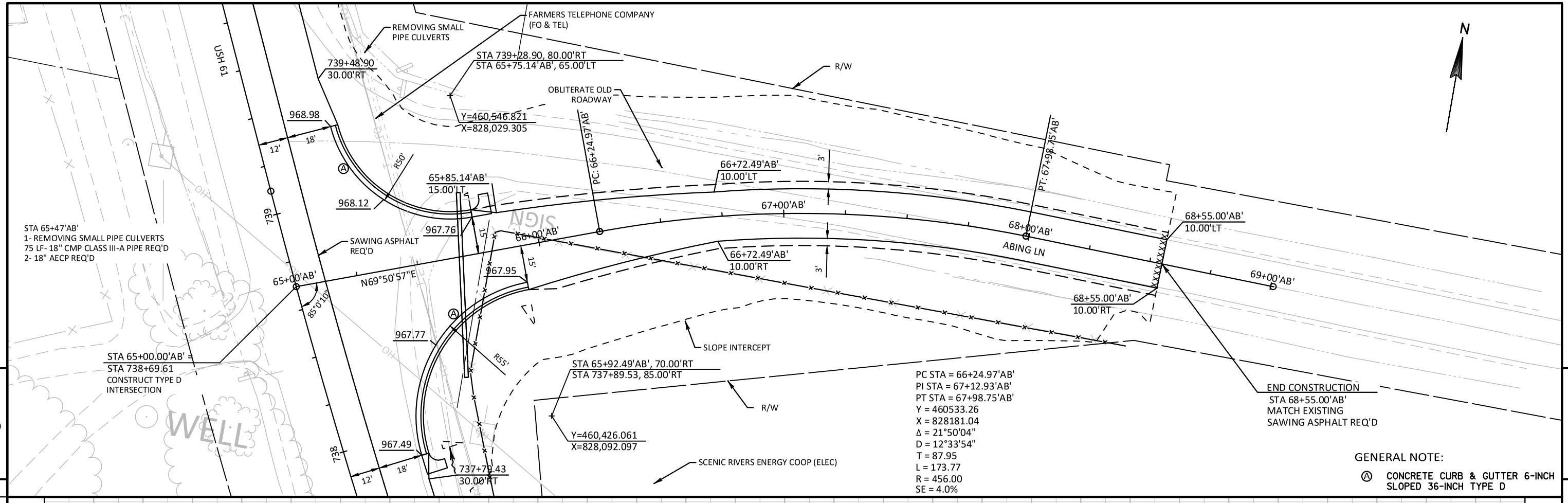
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN	PAGE 09 OF 09	SHEET 112	E

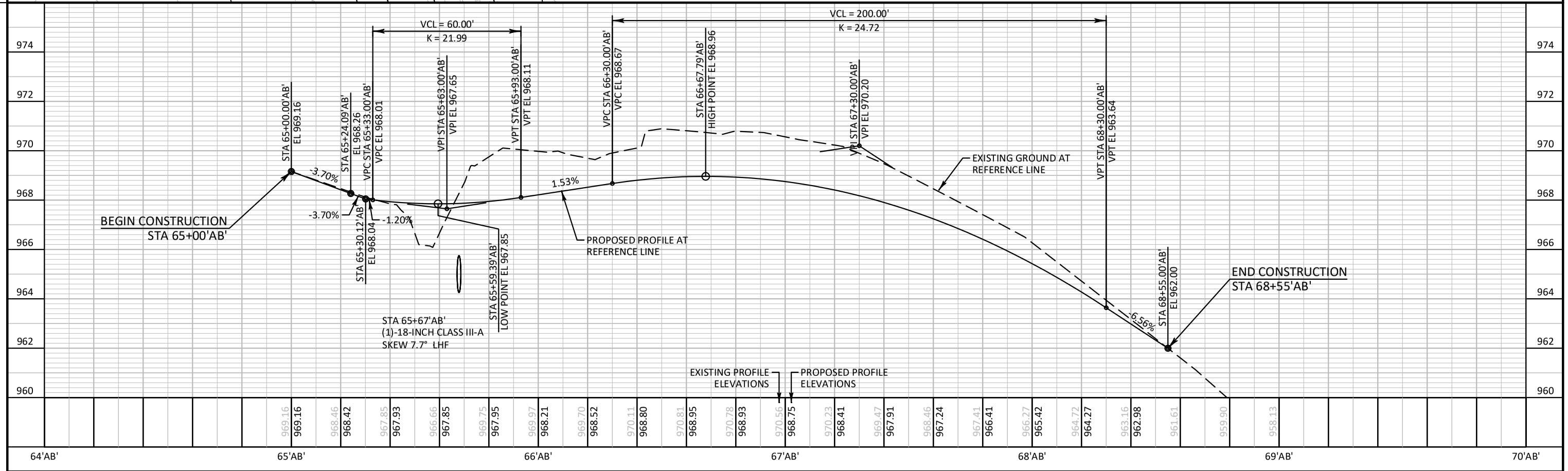


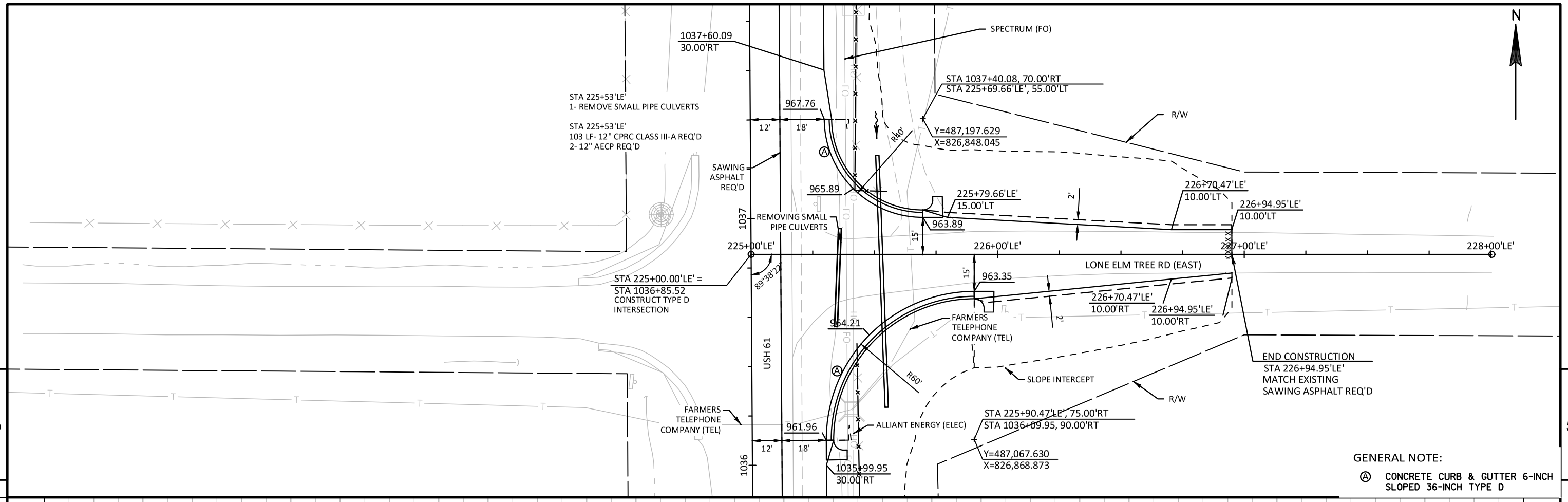


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: KELLY LN	SHEET 113	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\WI\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\050101_PP.DWG PLOT DATE : 7/20/2022 9:39 AM PLOT BY : SEH INC LAYOUT NAME : 01 PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 44


USH 61
REMOVING SMALL PIPE CULVERTS
FARMERS TELEPHONE COMPANY (FO & TEL)
739+48.90
30.00'RT
STA 739+28.90, 80.00'RT
STA 65+75.14'AB', 65.00'LT
Y=460,546.821
X=828,029.305
OBLITERATE OLD ROADWAY
R/W
968.98
12'
18'
R50'
65+85.14'AB'
15.00'LT
968.12
739
967.76
15'
SAWING ASPHALT REQ'D
65+00'AB'
N69°50'57"E
85°0'10"
967.95
967.77
R55'
738
967.49
737+72.43
30.00'RT
STA 65+47'AB'
1- REMOVING SMALL PIPE CULVERTS
75 LF- 18" CMP CLASS III-A PIPE REQ'D
2- 18" AECP REQ'D
STA 65+00.00'AB' =
STA 738+69.61
CONSTRUCT TYPE D INTERSECTION
WELL
SIGN
PC: 66+24.97'AB'
66+72.49'AB'
10.00'LT
67+00'AB'
66+00'AB'
66+72.49'AB'
10.00'RT
3'
15'
PT: 67+98.75'AB'
68+00'AB'
ABING LN
68+55.00'AB'
10.00'LT
68+55.00'AB'
10.00'RT
69+00'AB'
SLOPE INTERCEPT
STA 65+92.49'AB', 70.00'RT
STA 737+89.53, 85.00'RT
R/W
Y=460,426.061
X=828,092.097
SCENIC RIVERS ENERGY COOP (ELEC)
PC STA = 66+24.97'AB'
PI STA = 67+12.93'AB'
PT STA = 67+98.75'AB'
Y = 460533.26
X = 828181.04
Δ = 21°50'04"
D = 12°33'54"
T = 87.95
L = 173.77
R = 456.00
SE = 4.0%
END CONSTRUCTION
STA 68+55.00'AB'
MATCH EXISTING
SAWING ASPHALT REQ'D
N
GENERAL NOTE:
Ⓐ CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
5
5


VCL = 60.00'
K = 21.99
VCL = 200.00'
K = 24.72
STA 65+00.00'AB'
EL 969.16
STA 65+24.09'AB'
EL 968.26
VPC STA 65+33.00'AB'
VPC EL 968.01
VPI STA 65+63.00'AB'
VPI EL 967.65
VPT STA 65+93.00'AB'
VPT EL 968.11
VPC STA 66+30.00'AB'
VPC EL 968.67
STA 66+67.79'AB'
HIGH POINT EL 968.96
VPI STA 67+30.00'AB'
VPI EL 970.20
VPT STA 68+30.00'AB'
VPT EL 963.64
STA 68+55.00'AB'
EL 962.00
-3.70%
-3.70%
-1.20%
1.53%
-6.56%
STA 65+30.12'AB'
EL 968.04
STA 65+59.39'AB'
LOW POINT EL 967.85
BEGIN CONSTRUCTION
STA 65+00'AB'
END CONSTRUCTION
STA 68+55'AB'
EXISTING GROUND AT REFERENCE LINE
PROPOSED PROFILE AT REFERENCE LINE
STA 65+67'AB'
(1)-18-INCH CLASS III-A
SKEW 7.7° LHF
EXISTING PROFILE ELEVATIONS
PROPOSED PROFILE ELEVATIONS
974
972
970
968
966
964
962
960
969.16 969.16 968.46 968.42 967.85 967.93 966.66 967.85 969.75 967.95 969.97 968.21 969.70 968.52 970.11 968.80 970.81 968.95 970.78 968.93 970.56 968.75 970.23 968.41 969.47 967.91 968.46 967.24 967.41 966.41 966.27 965.42 964.72 964.27 963.16 962.98 961.61 959.90 958.13
64'AB'
65'AB'
66'AB'
67'AB'
68'AB'
69'AB'
70'AB'



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: LONE ELM TREE RD	SHEET 115	E

STA 246+33'SW' LT
RECONSTRUCT AGG PE
1- REMOVING SMALL PIEP CULVERTS
54 LF- 12" CMP CLASS III-A REQ'D
2- 12" AECP REQ'D

STA 247+61'SW'
1- REMOVING SMALL PIPE CULVERTS

STA 247+33'SW' RT
77 LF- 12" CPRC CLASS III-A REQ'D
2- 12" AECP REQ'D

FARMERS TELEPHONE COMPANY (FO & TEL)
PIPE UNDERDRAIN UNPERFORATED 4-INCH REQ'D
PIPE UNDERDRAIN UNPERFORATED 6-INCH REQ'D
STA 1117+74.93, 85.00'LT
STA 247+05.50'SW', 70.00'LT

Y=495,227.270
X=826,564.410

R/W

ALLIANT ENERGY (ELEC)

246+25.00'SW'
10.00'LT

245+00'SW'
246+00'SW'
247+00'SW'
S89°45'55"E

SUBSTATION RD (WEST)

989.88
989.55

246+25.00'SW'
10.00'RT

247+04.56'SW'
15.00'RT

987.65

BEGIN CONSTRUCTION
STA 246+25.00'SW'
MATCH EXISTING
SAWING ASHPALT REQ'D

DAIRYLAND POWER COOP (ELEC)

SLOPE INTERCEPT
STA 1116+39.71, 80.00'LT
STA 247+14.56'SW', 65.00'RT

Y=495,092.234
X=826,572.921

STA 247+03'SW', RT
CONSTRUCT AGG FE
1- REMOVING SMALL PIPE CULVERTS
21 LF- 12" CMP CLASS III-A REQ'D
2- 12" AECP REQ'D

FARMERS TELEPHONE COMPANY (FO)
R/W
SPECTRUM (FO)

1116+19.71
30.00'LT

991.69
990.95
990.09
986.26
985.95

18'
12'

R55'
R50'

REMOVING SMALL PIPE CULVERTS

STA 247+92.64'SW' =
STA 1117+02.34

88°16'36"

REMOVING SMALL PIPE CULVERTS

989.38

USH 61

1117+70.15
18.00'RT

1116+16.80
18.00'RT

DAIRYLAND POWER COOPERATIVE

STA 1117+50.15, 58.00'RT
STA 235+56.87'SE', 53.00'LT

Y=495,206.214
X=826,708.006

STA 236+27'SE', LT
CONSTRUCT AGG CE

R/W

SCENIC RIVERS (ELEC)

236+36.88'SE'
10.00'LT

236+64.52'SE'
10.00'LT

988.06
987.73
987.44
987.21
986.86
986.66

236+00'SE'
237+00'SE'
238+00'SE'
N89°44'36"E

SUBSTATION RD (EAST)

13'
15'

987.12

STA 235+00.01'SE' =
STA 1116+98.38

235+00'SE'

88°46'5"

987.56

DAIRYLAND POWER COOP (ELEC)

CAUTION
DAIRYLAND POWER COOP (ELEC)

236+54.52'SE'
10.00'RT

236+64.52'SE'
10.00'RT

R/W
SLOPE INTERCEPT

END CONSTRUCTION
STA 236+65.00'SE'
MATCH EXISTING

STA 1116+26.80, 73.00'RT
STA 235+74.52'SE', 70.00'RT

Y=495,083.294
X=826,726.205

STA 235+31'SE'
1- REMOVING SMALL PIPE CULVERTS

STA 235+38'SE'
104 LF- 12" CPRC CLASS III-A REQ'D
1- 12" AECP REQ'D
1- INLETS MEDIAN 1 GRATE
1- INLET COVERS TYPE MS REQ'D

N

PIPE UNDERDRAIN NOTES:
ALL FITTINGS AND CLEANOUTS ARE INCIDENTAL TO THE PIPE UNDERDRAIN PAY ITEM.

INSTALL WYE AND CLEANOUT UPSTREAM OF ALL BENDS 45 DEGREES AND GREATER.

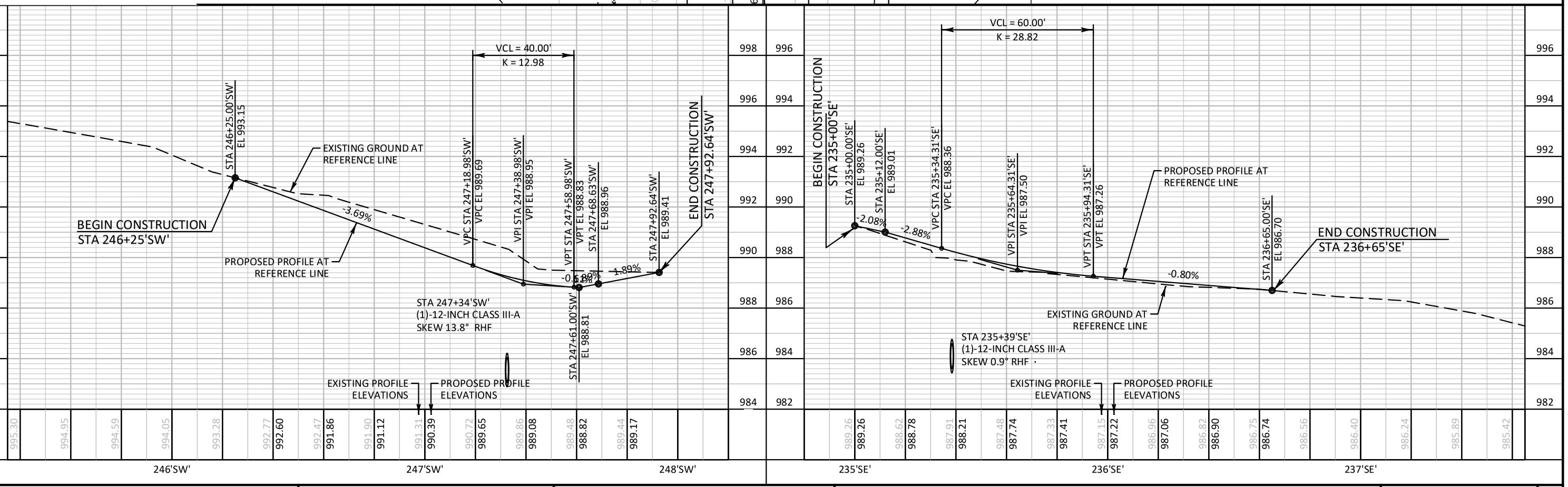
REMOVING AND DISPOSING OF EXISTING UNDERDRAIN IS INCIDENTAL TO THE PIPE UNDERDRAIN PAY ITEM.

THE PIPE, FITTINGS, AND CONNECTIONS SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL AND SIZE THAT WAS REMOVED. CONTRACTOR TO VERIFY MATERIAL.

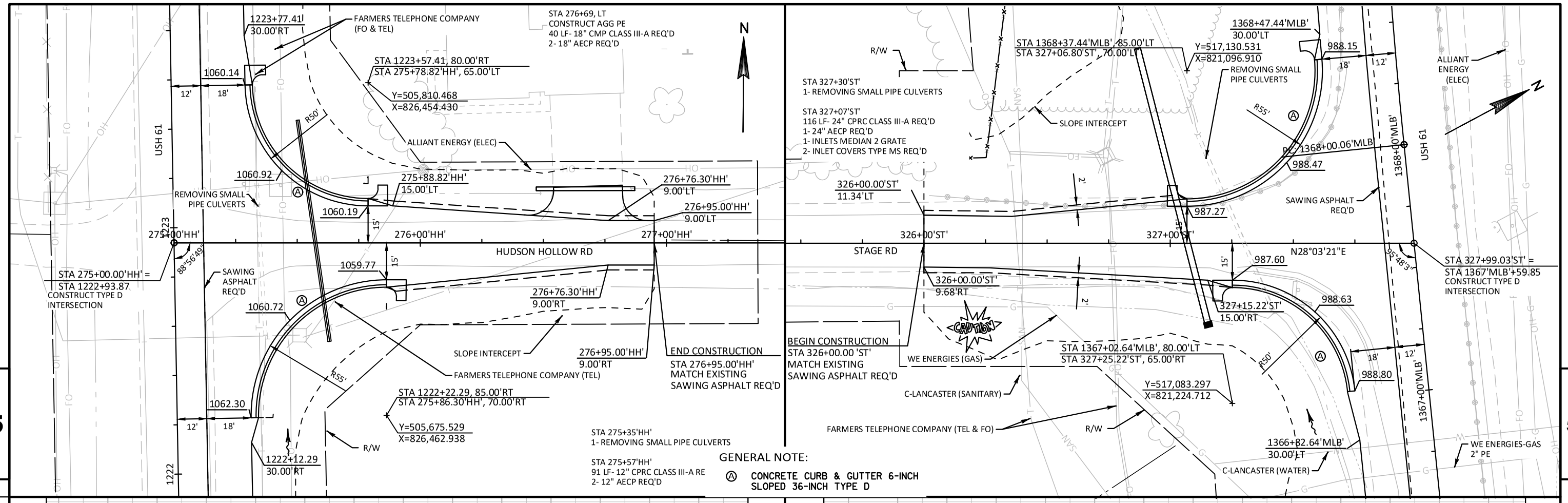
CONTRACTOR TO DETERMINE EXACT PIPE LOCATIONS IN THE FIELD AND VERIFY ELEVATIONS TO ENSURE PIPE UNDERDRAIN HAS POSITIVE DRAINAGE AND CAN FREELY DISCHARGE TO SURFACE.

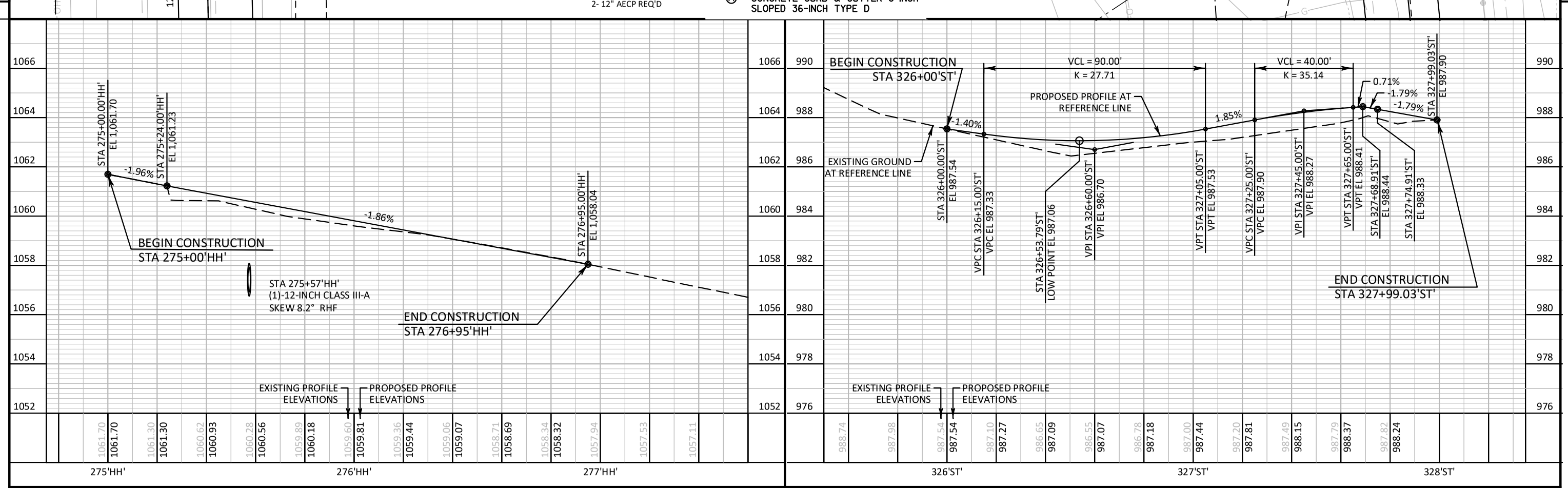
GENERAL NOTE:

Ⓐ CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: SUBSTATION RD	SHEET 116	E



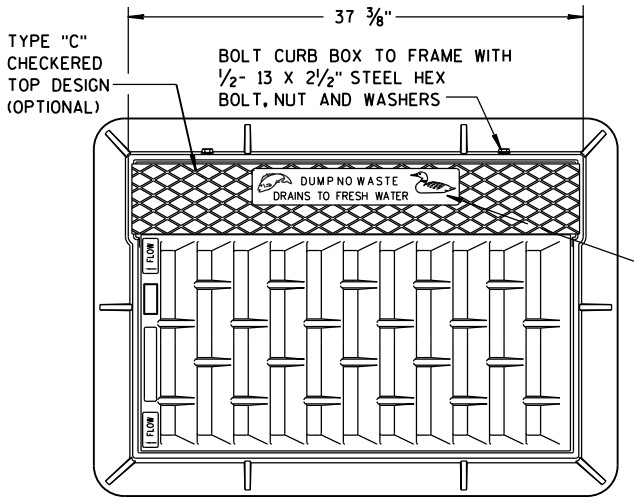


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	PLAN AND PROFILE: HUDSON HOLLOW RD/STAGE RD	SHEET 117	E

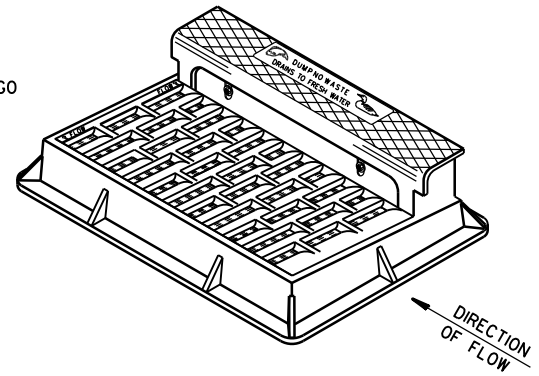
Standard Detail Drawing List

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
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
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
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
08F10-02	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
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
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C08-21C	PAVEMENT MARKING (TURN LANES)
15C08-21D	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-07A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15C35-05B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-05C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D20-06B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
15D50-02A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-02B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

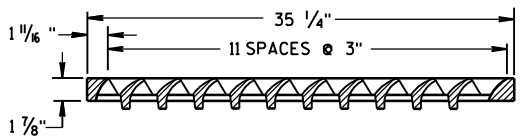
6

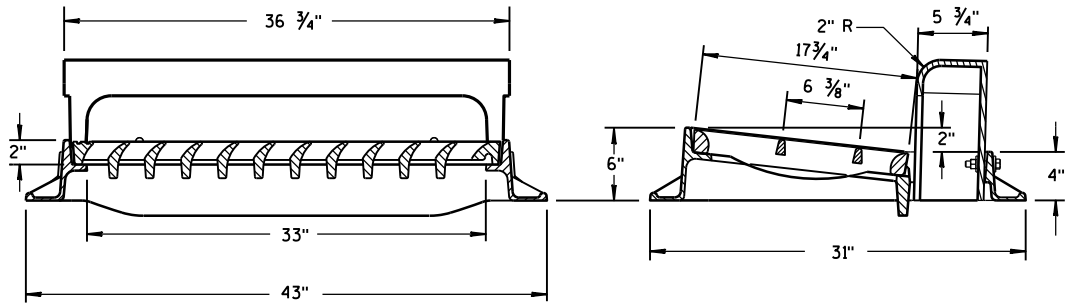


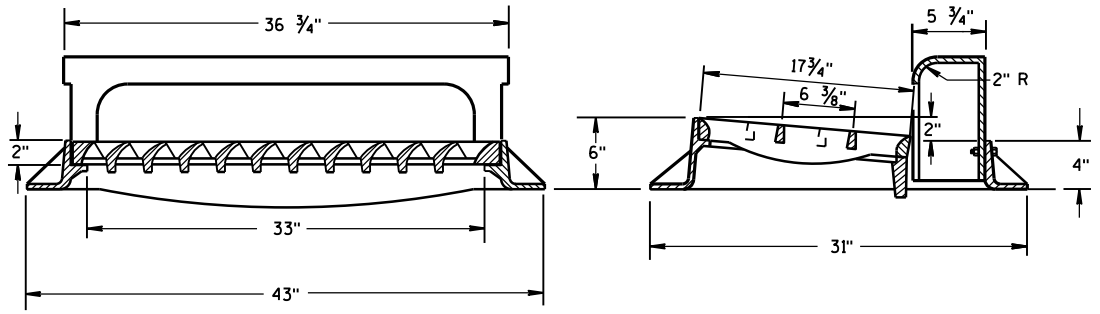
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

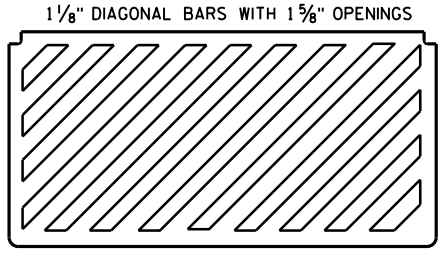






TYPE "H"

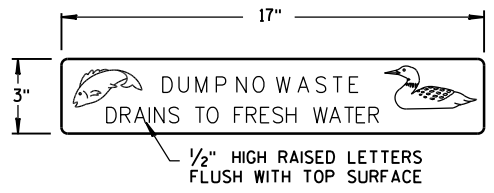
NOTE: EITHER CASTING IS ACCEPTABLE



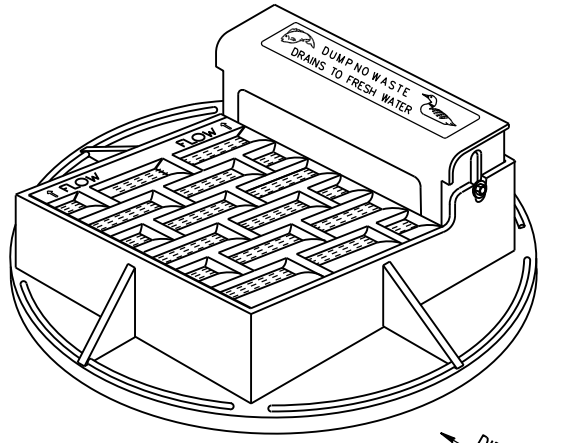
SPECIAL GRATE FOR TYPE "H" COVER

(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"

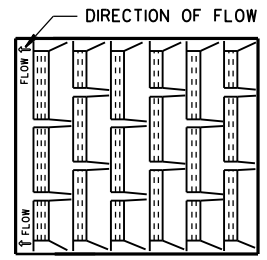
NOTE:
GRATE IS REVERSIBLE.

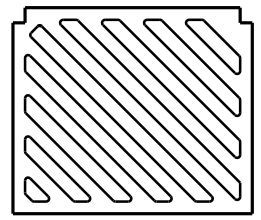
GENERAL NOTES

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.

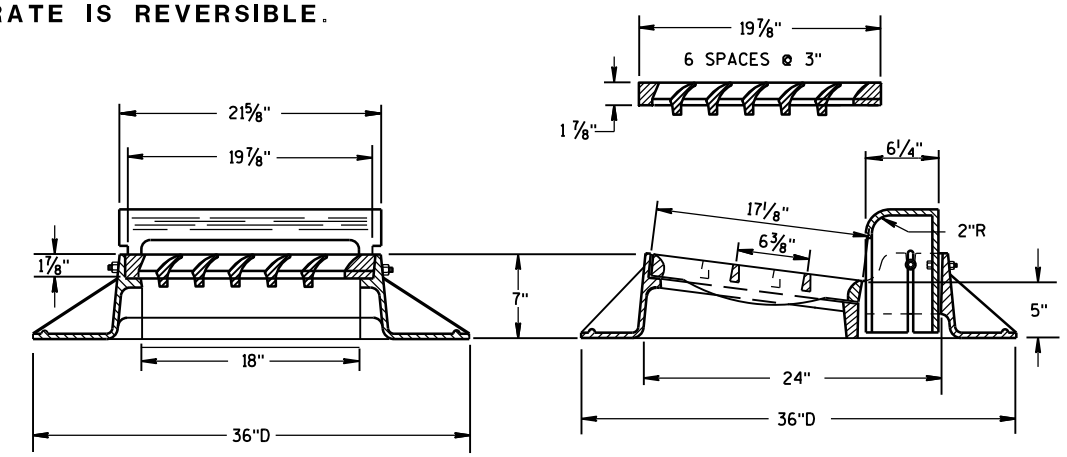




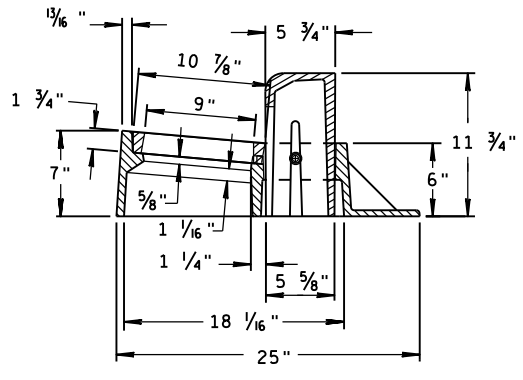
SPECIAL GRATE FOR TYPE "A" COVER

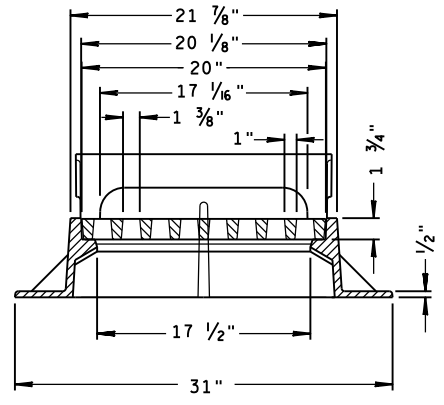
(MEASURES 19 3/4" X 17" X 1 7/8")

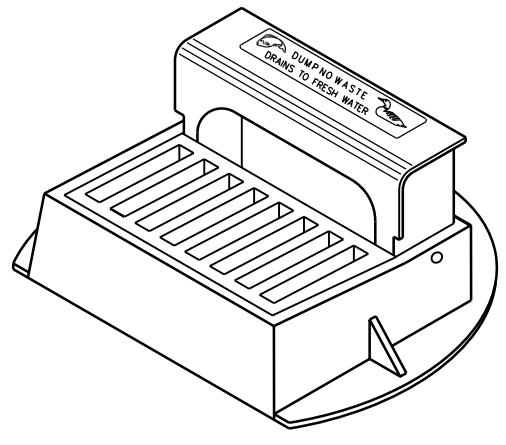
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

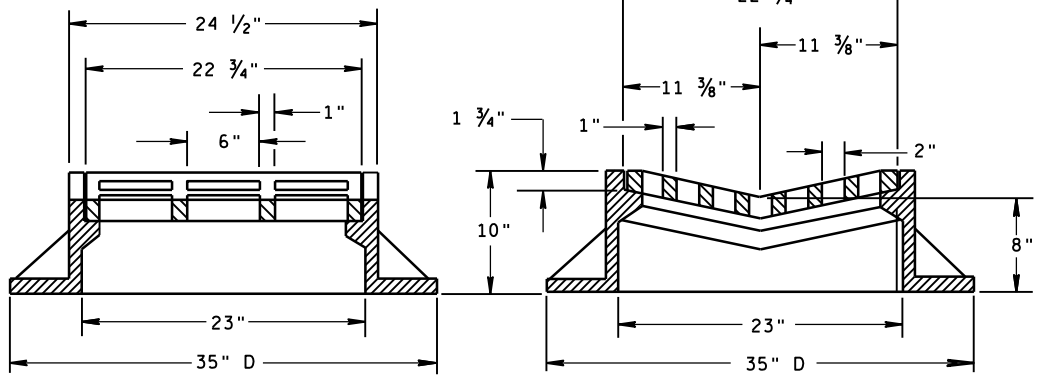
INLET COVERS
TYPE A, H, A-S, H-S & Z

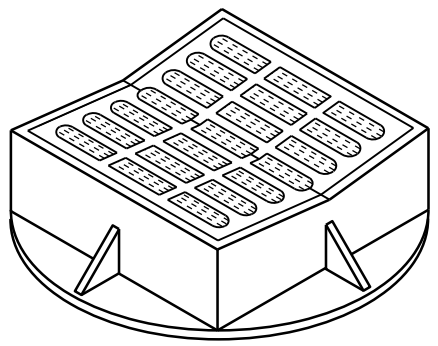
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

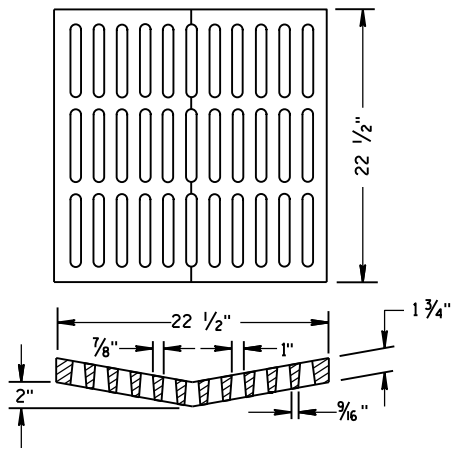
6

S.D.D. 8 A 5-19a



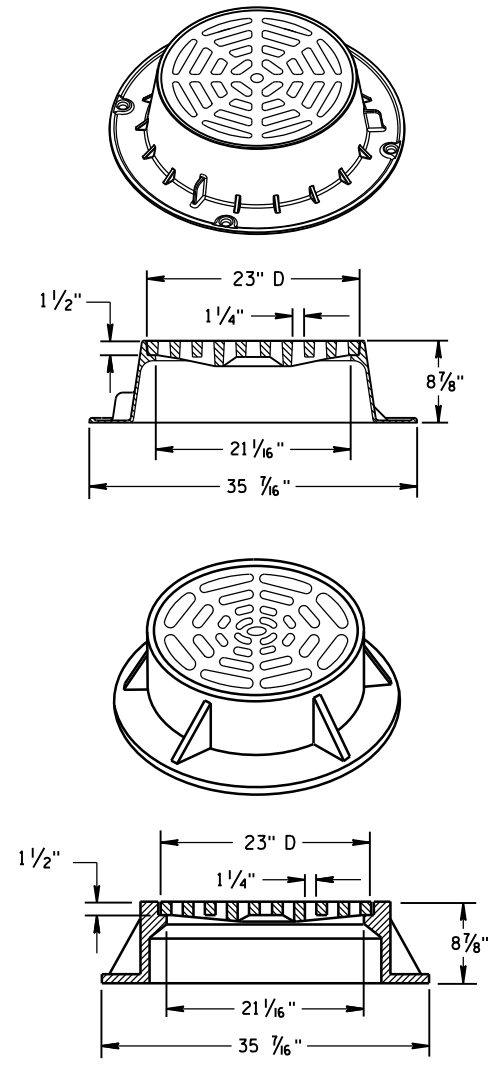


TYPE "B"



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"

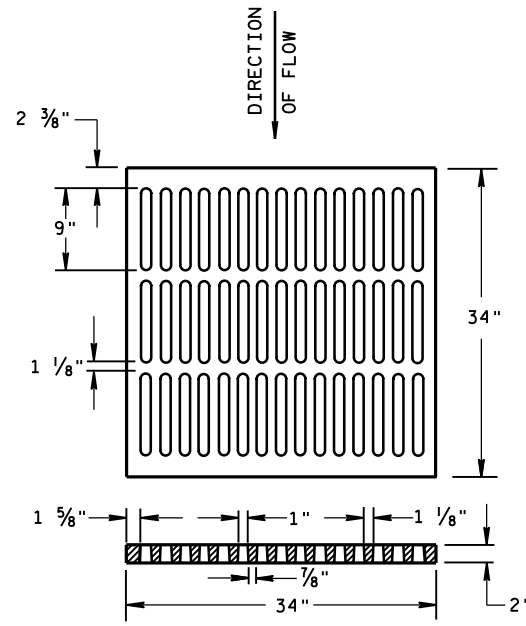
NOTE: EITHER CASTING IS ACCEPTABLE

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.

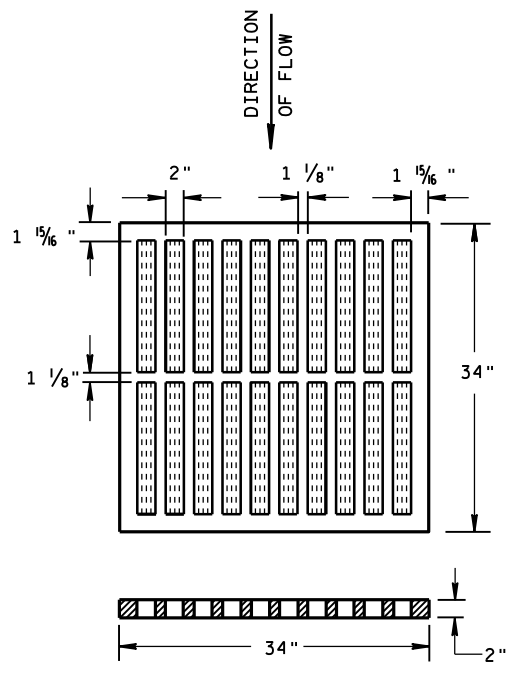
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



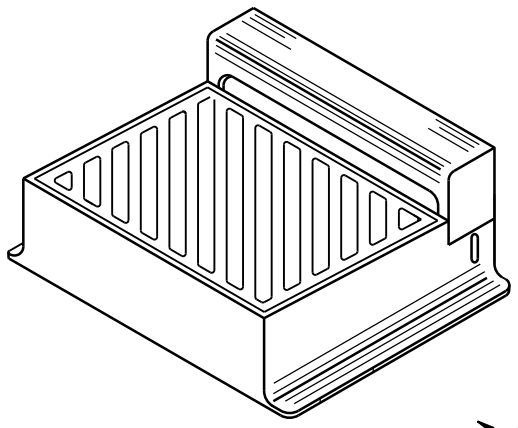
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

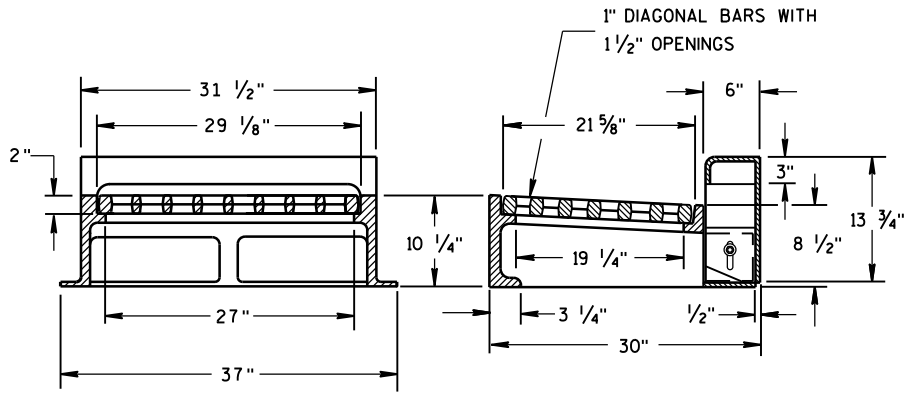


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



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"

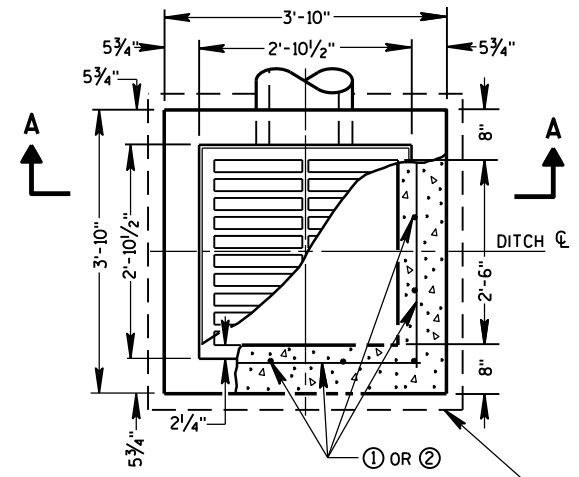
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

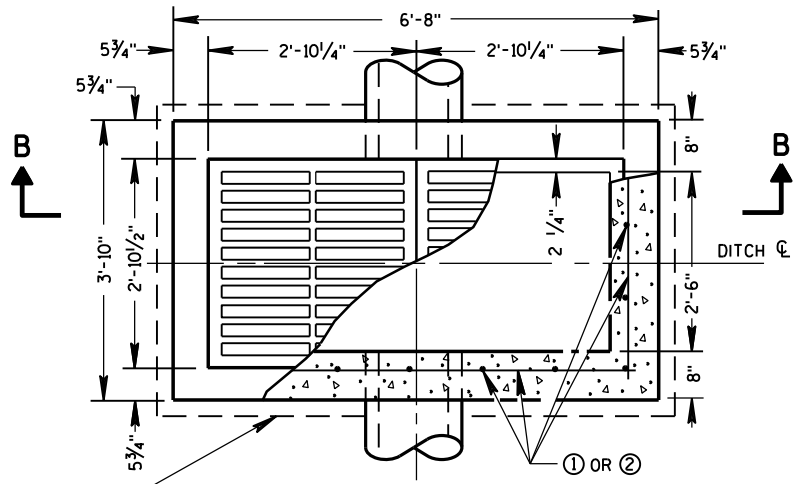
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19b

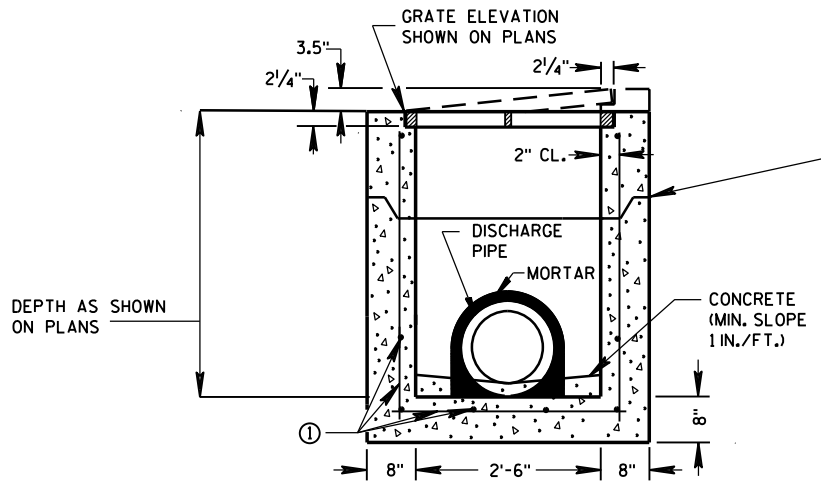


PLAN VIEW



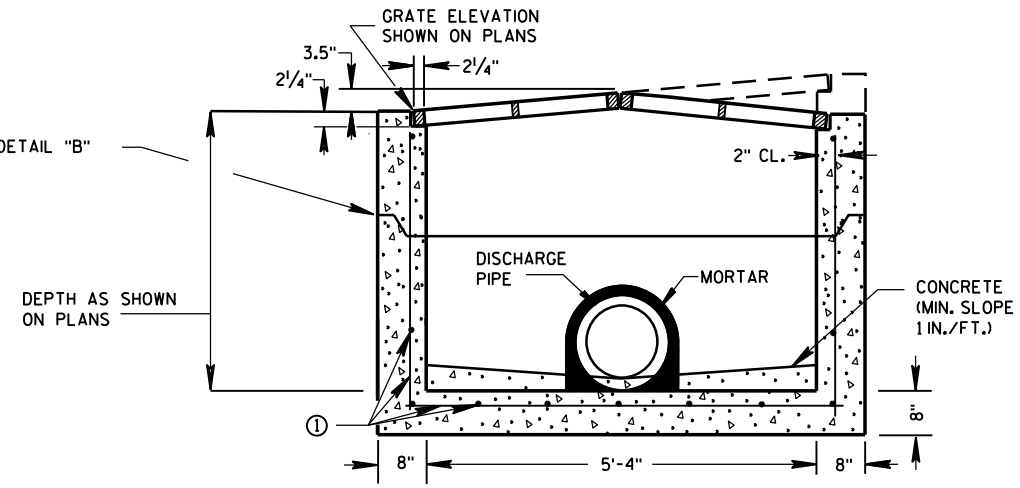
PLAN VIEW

4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS

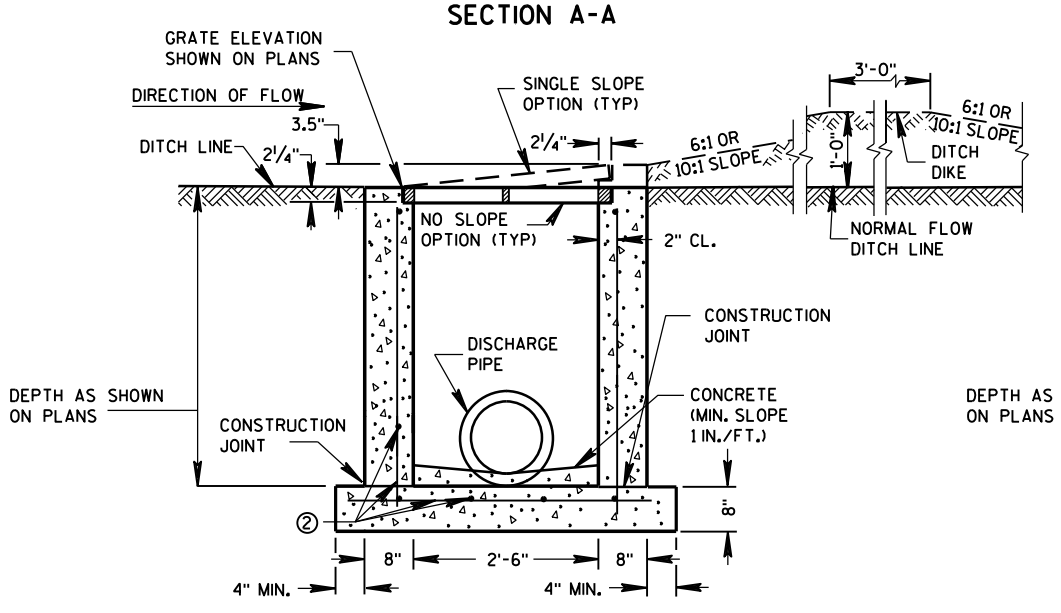


PRECAST REINFORCED CONCRETE SECTION A-A

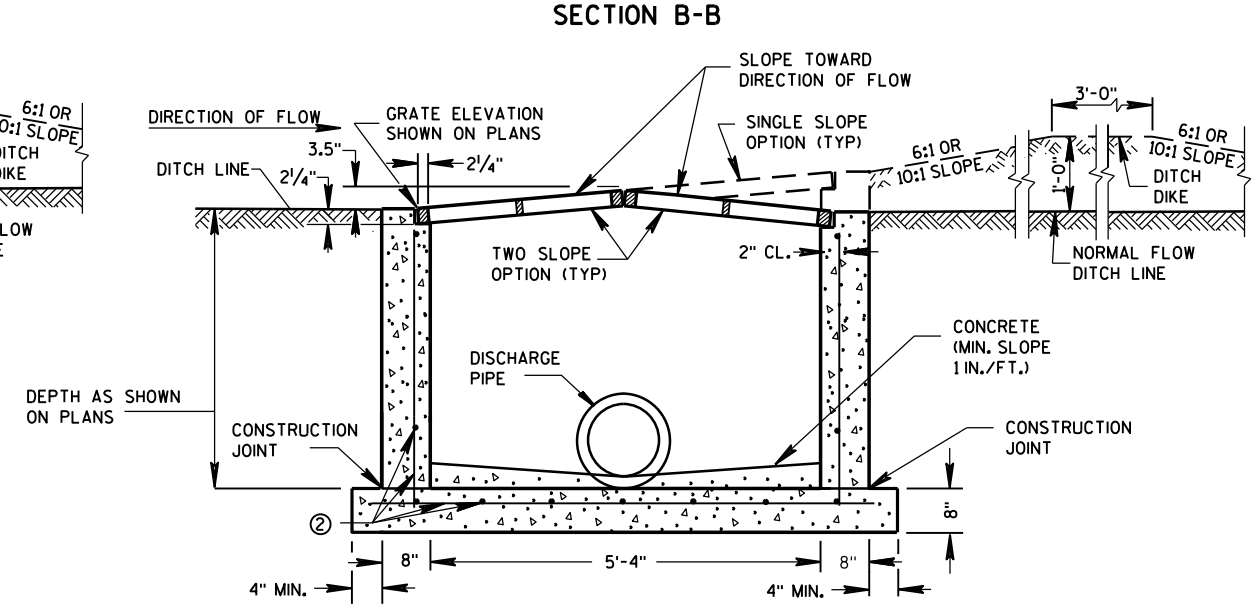
SEE DETAIL "B"



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

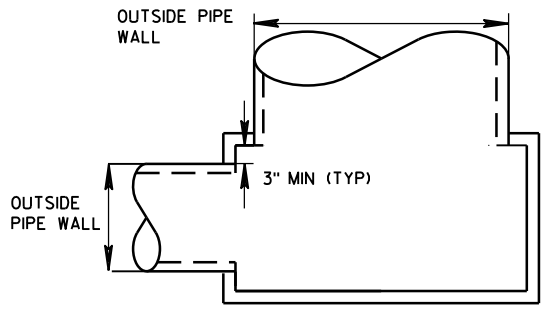
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

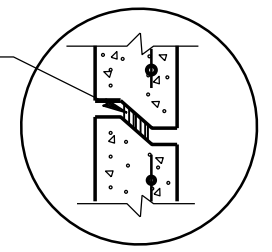
PIPE MATRIX

	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 GRATE

INLETS MEDIAN 2 GRATE

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

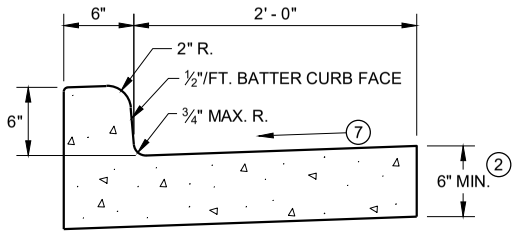
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

6

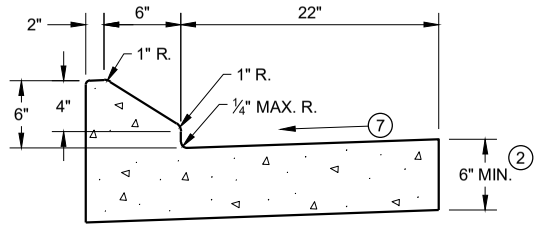
S.D.D. 8 C 8-2

6

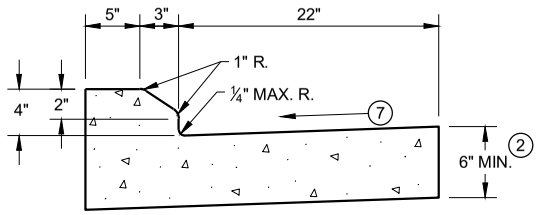
S.D.D. 8 C 8-2



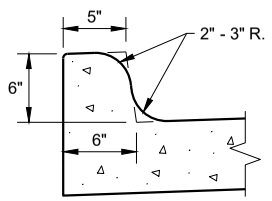
TYPES A[1] & D



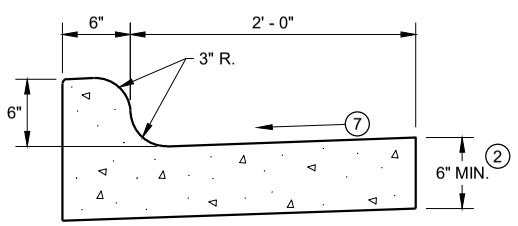
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

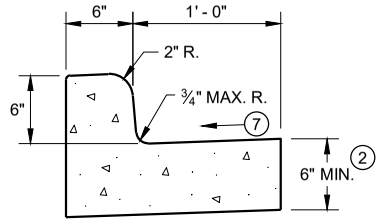


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



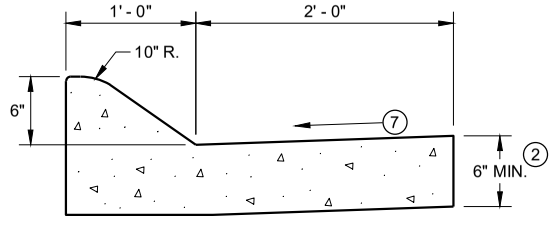
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"



TYPES A[1] & D

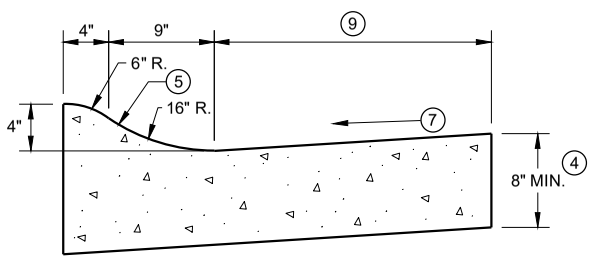
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D

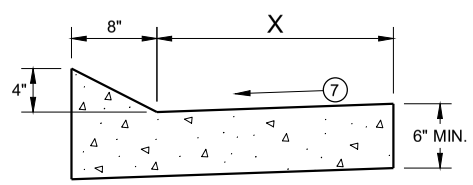
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

TBT & TBTT	X
30"	22"
36"	28"

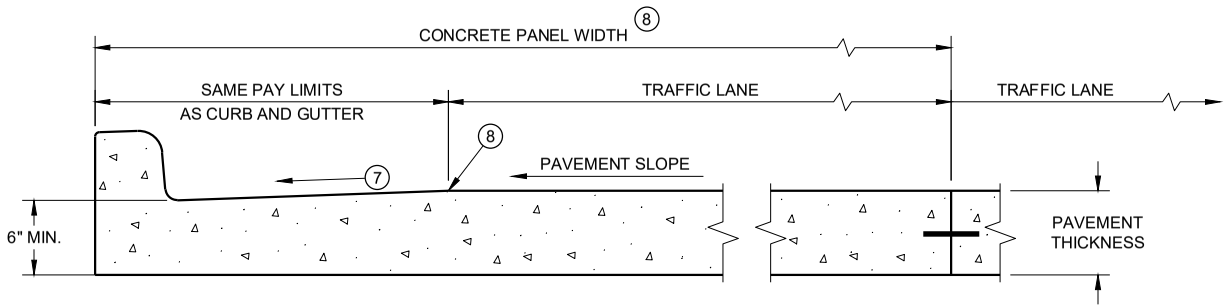


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

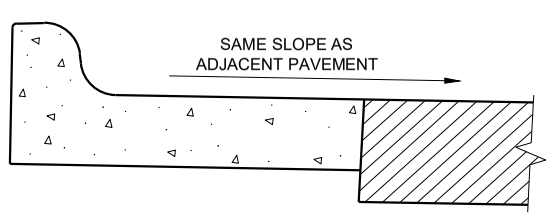
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

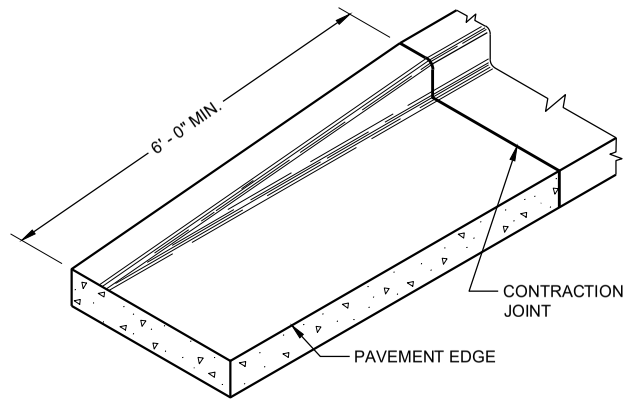
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

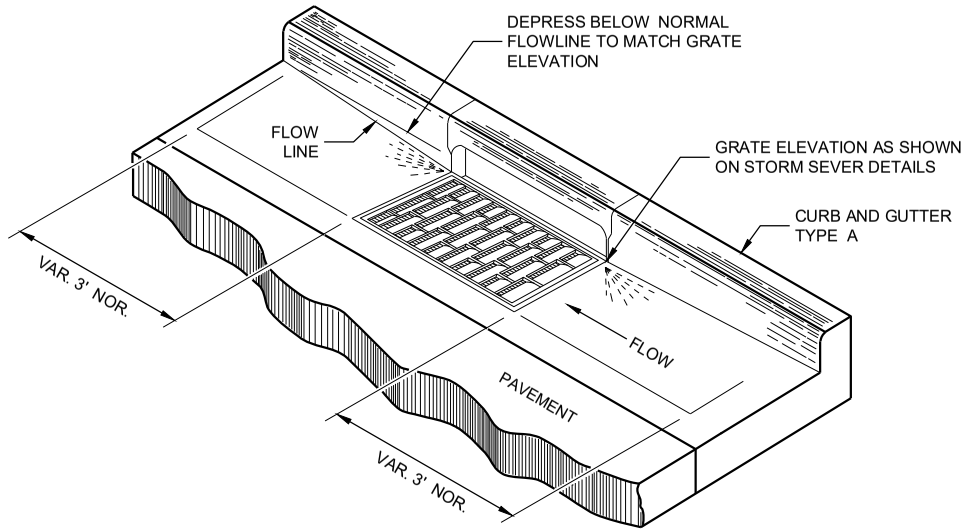
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH 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. UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES 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.
9. CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
   CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 122



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

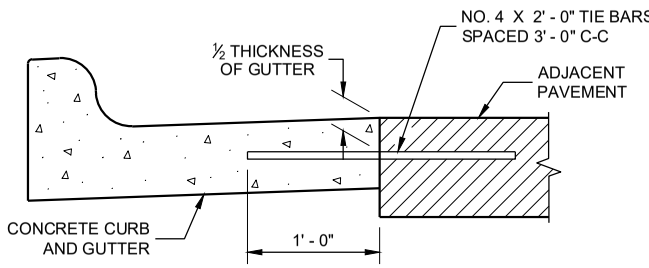
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

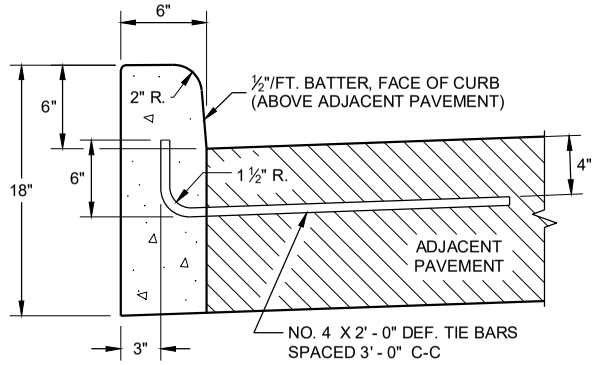
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

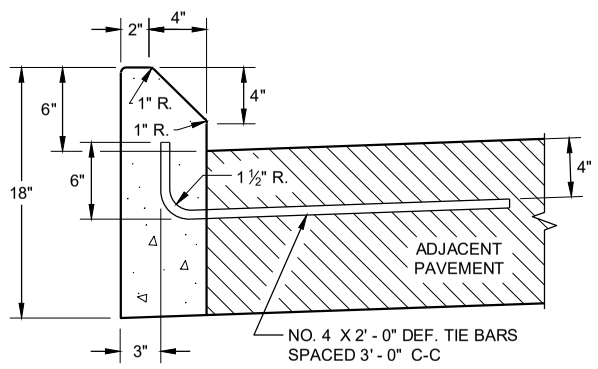
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

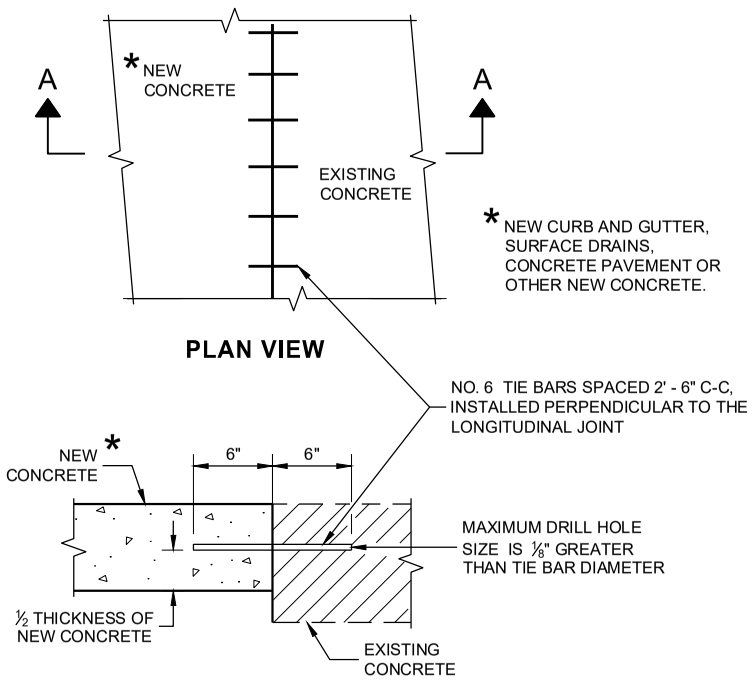


TYPES A (1) & D



TYPES G (1) & J

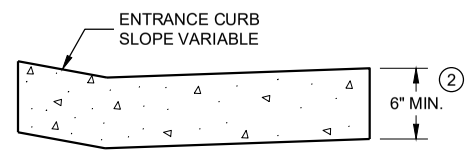
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

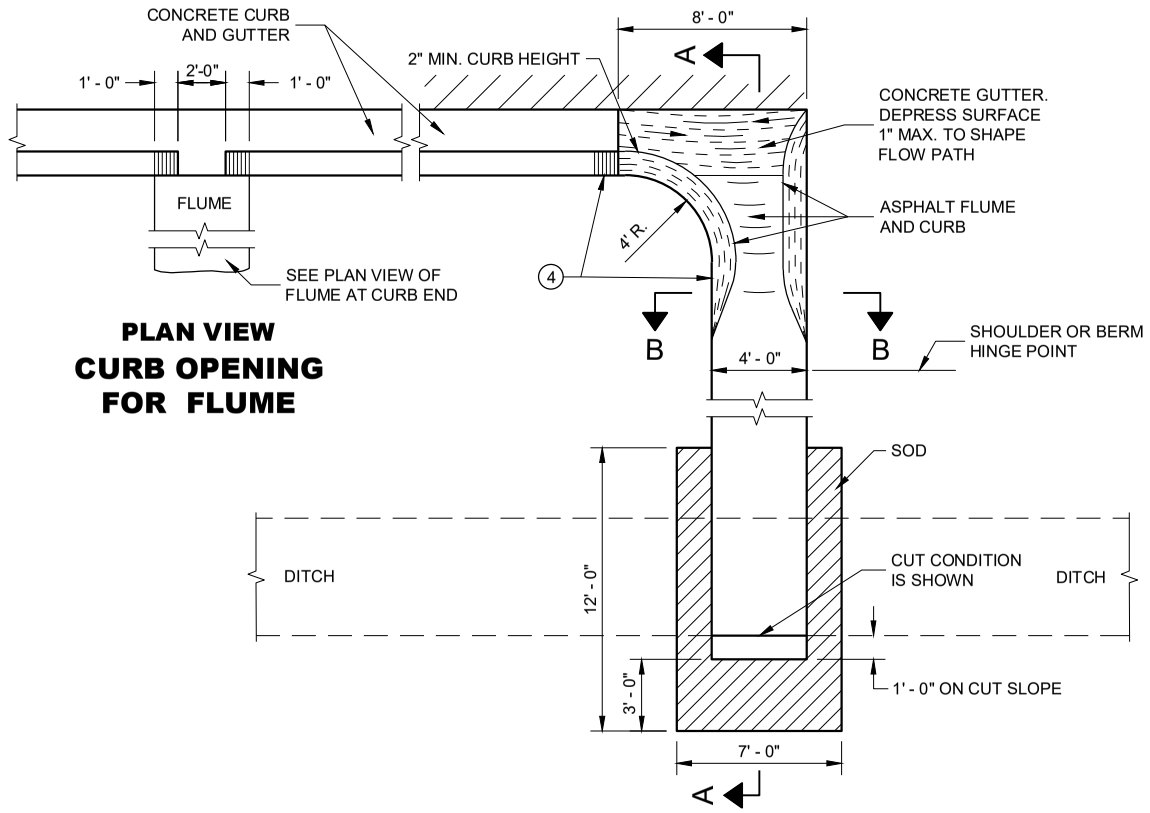
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD 08D01 - 22b

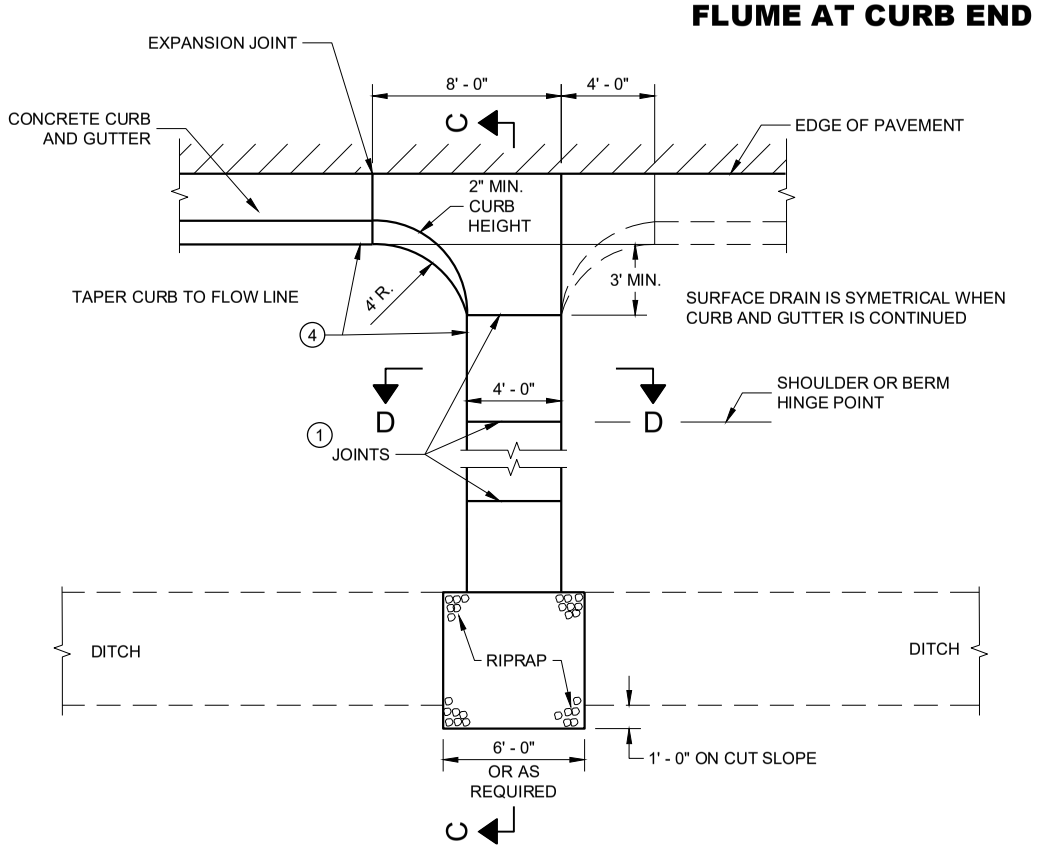
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



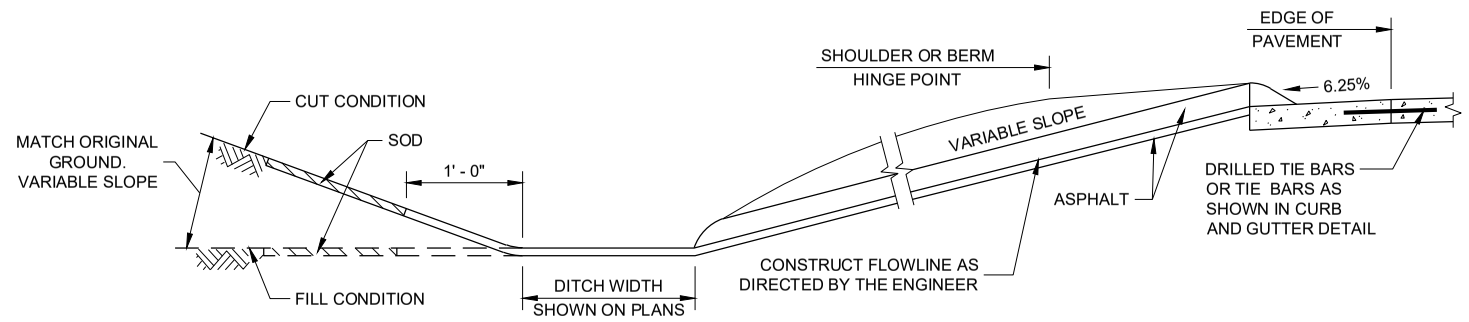
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

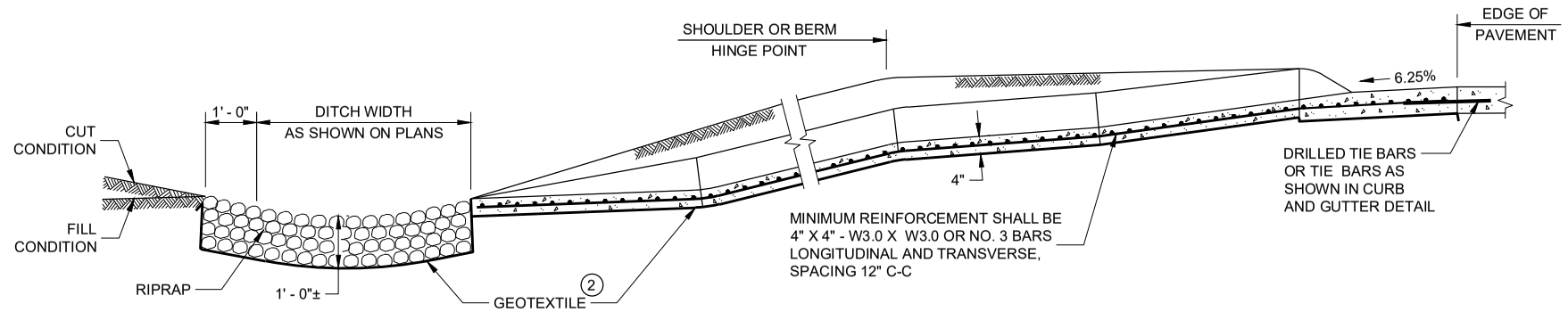
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

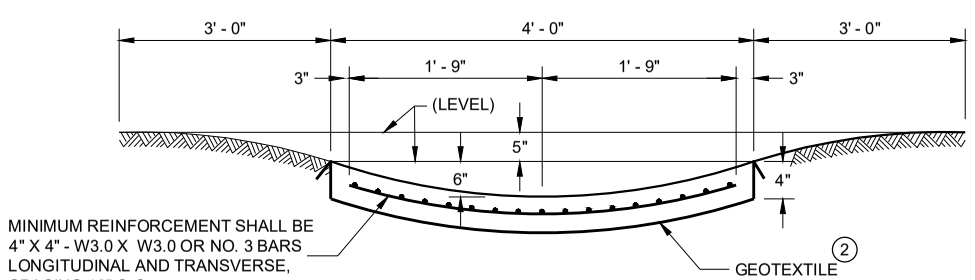


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 08D04 - 06

6

SDD 08D04 - 06

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

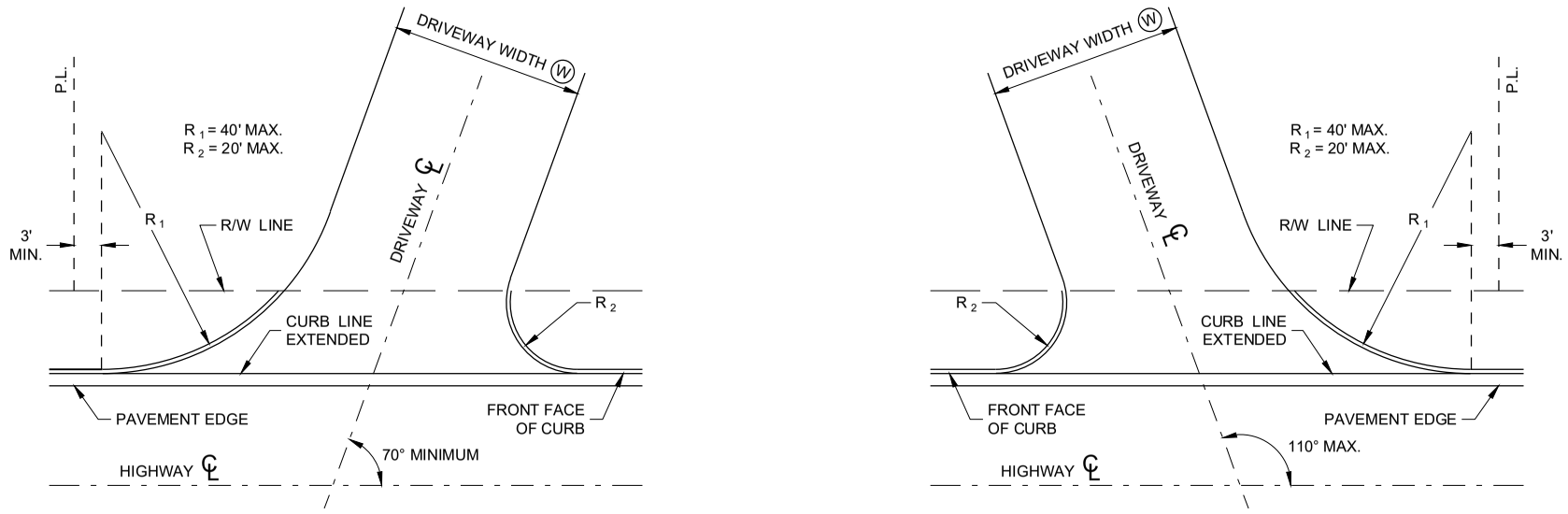
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

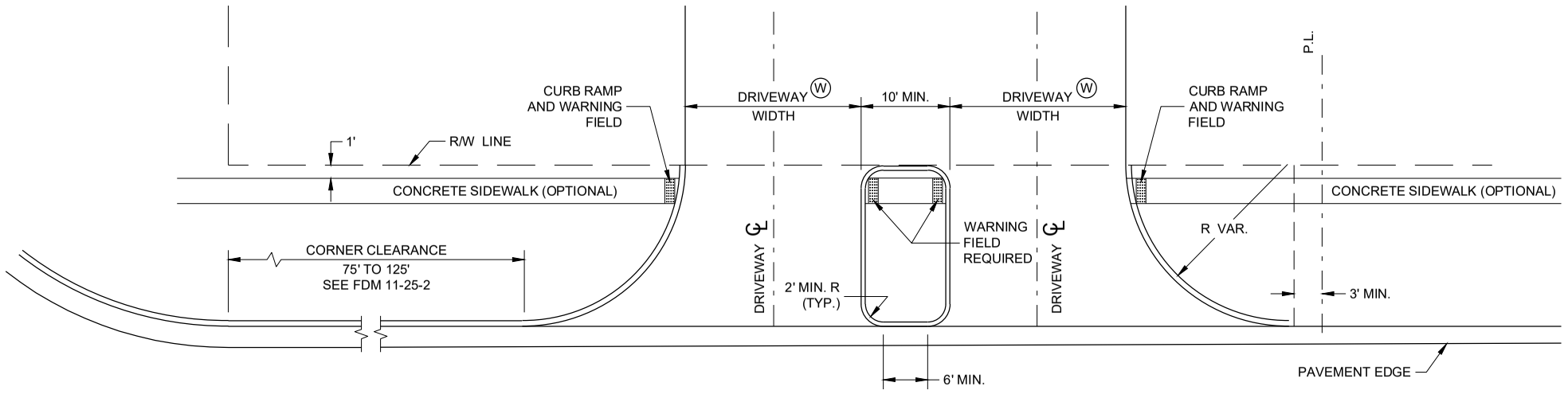
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

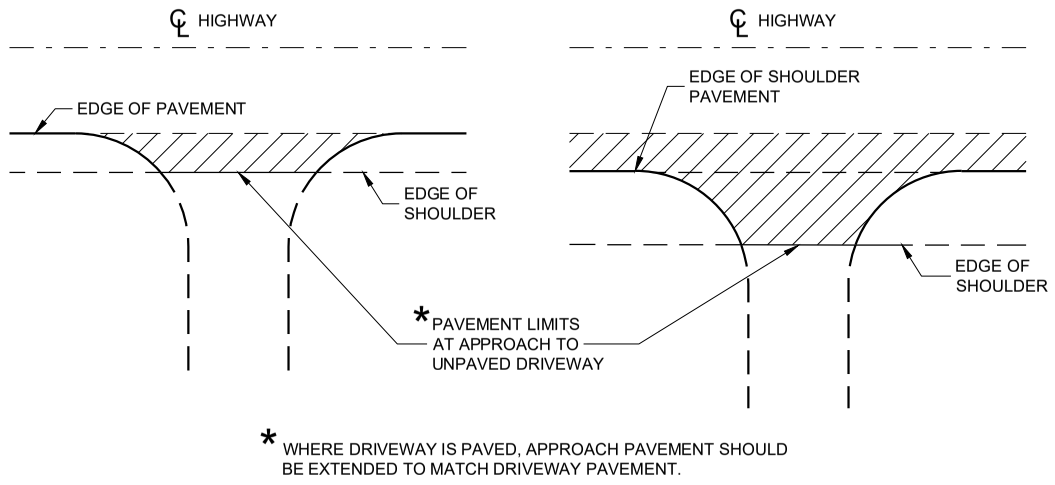
DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
00-00-00 — DATE
/S/ <AUTHOR> — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08D20 - 01

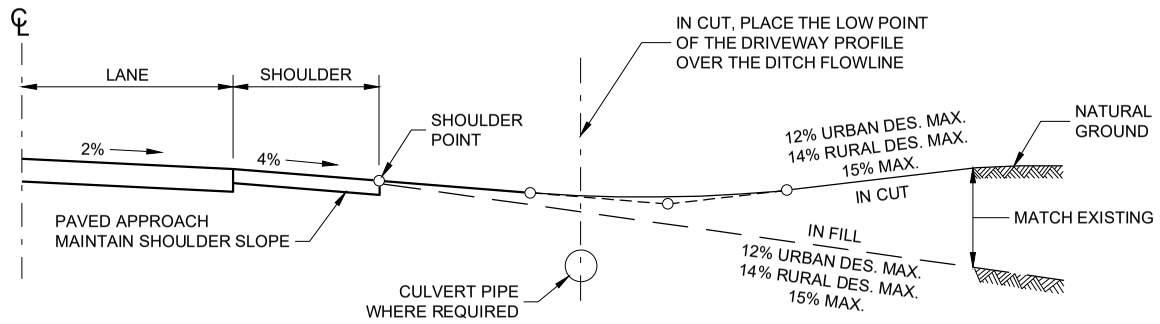
SDD 08D20 - 01



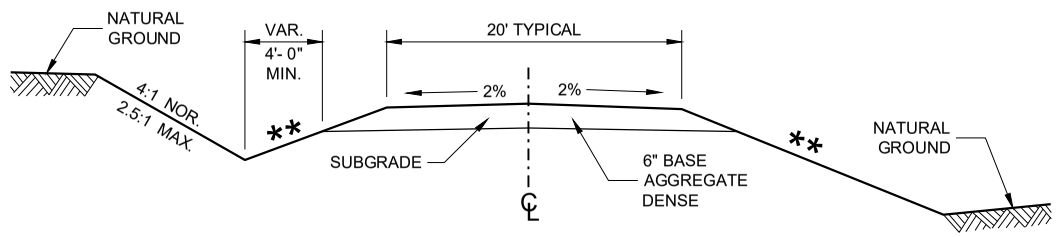
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

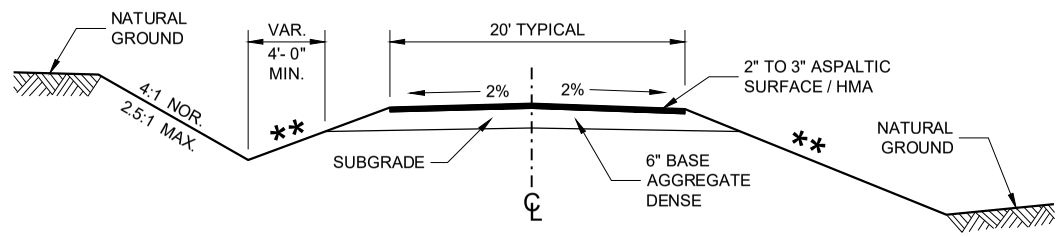


IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

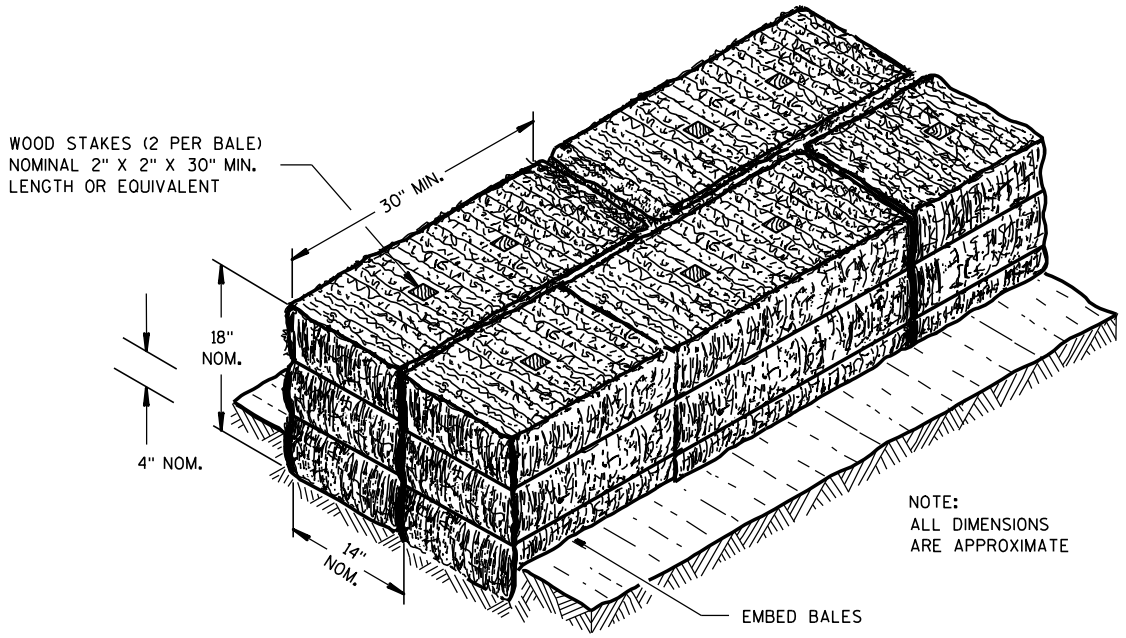
SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

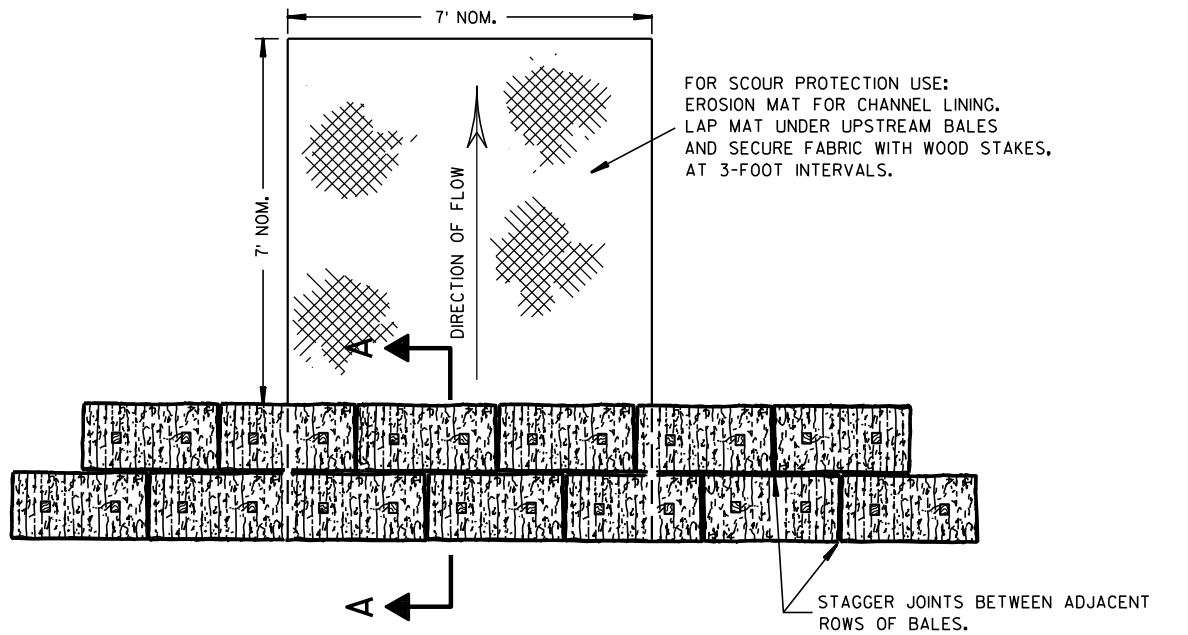
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

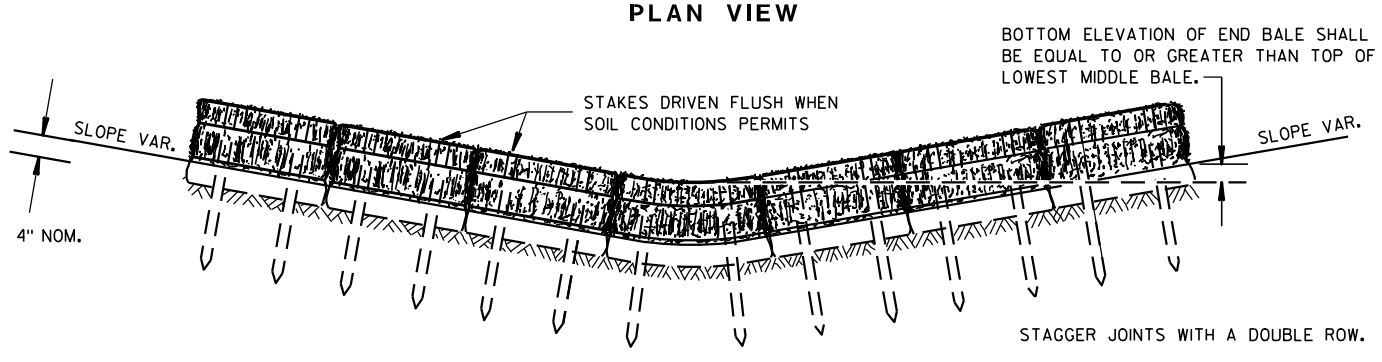
6
SDD 08D21 - 01



SECTION A-A



PLAN VIEW



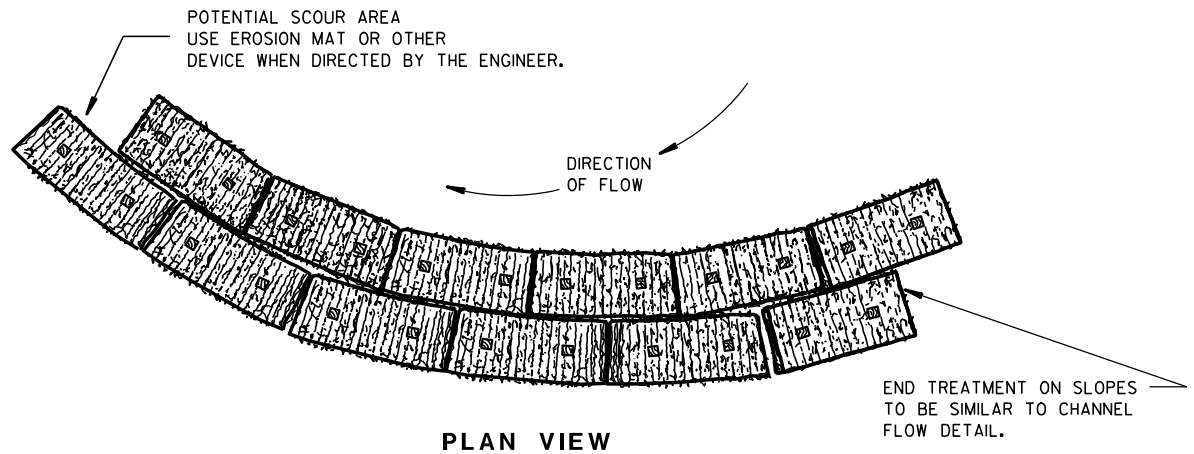
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

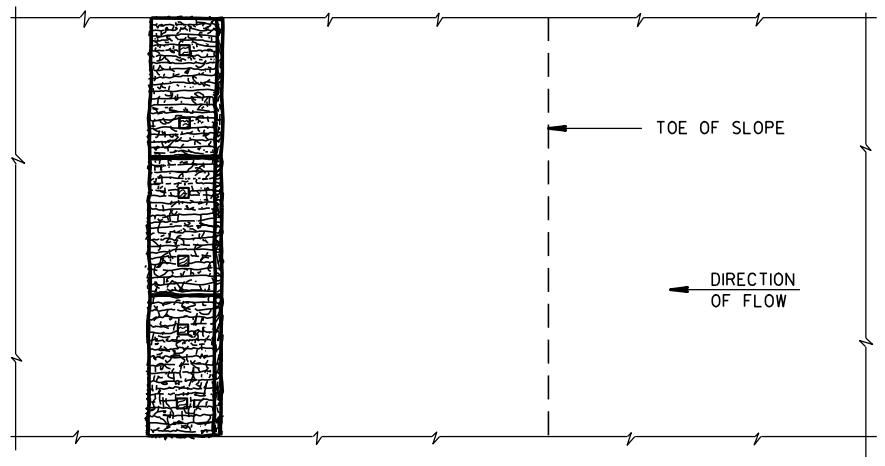
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

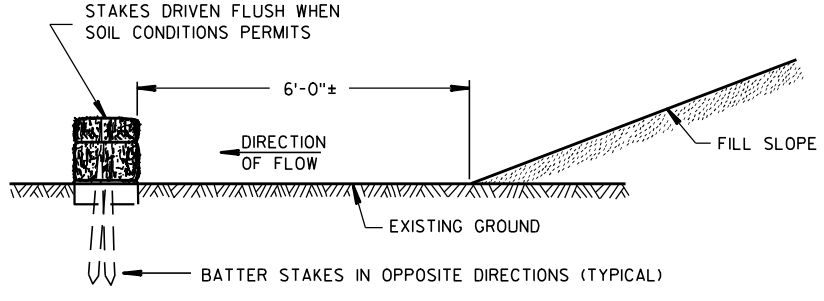


PLAN VIEW

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

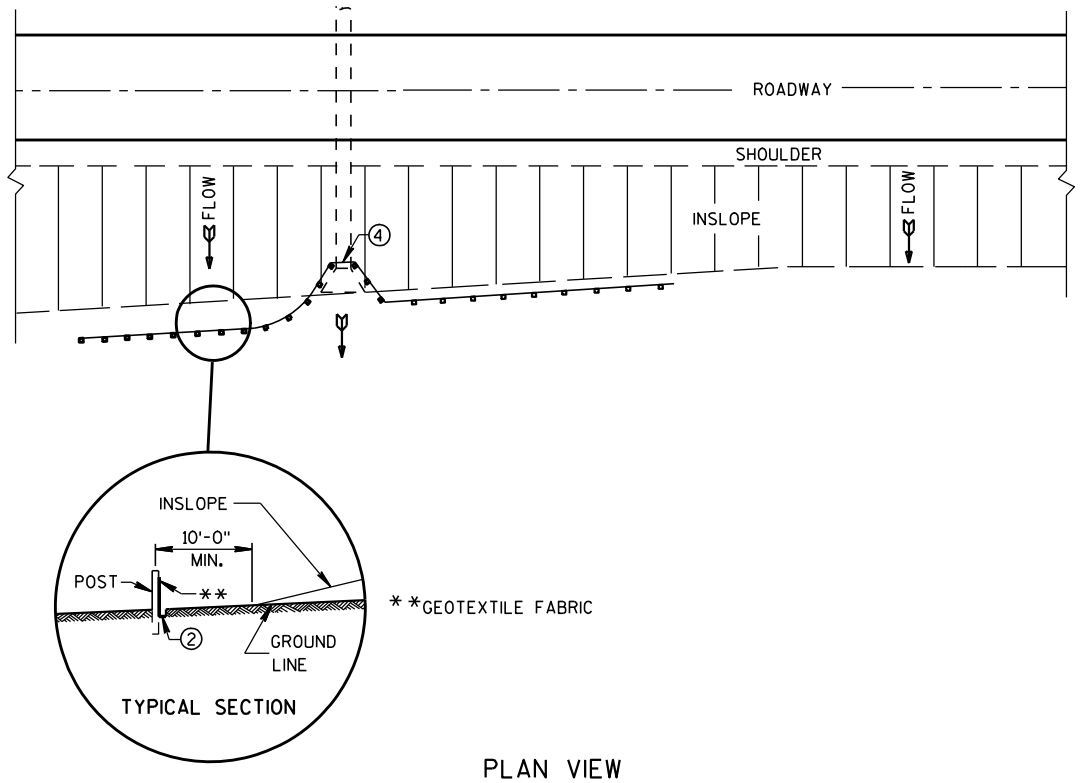
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

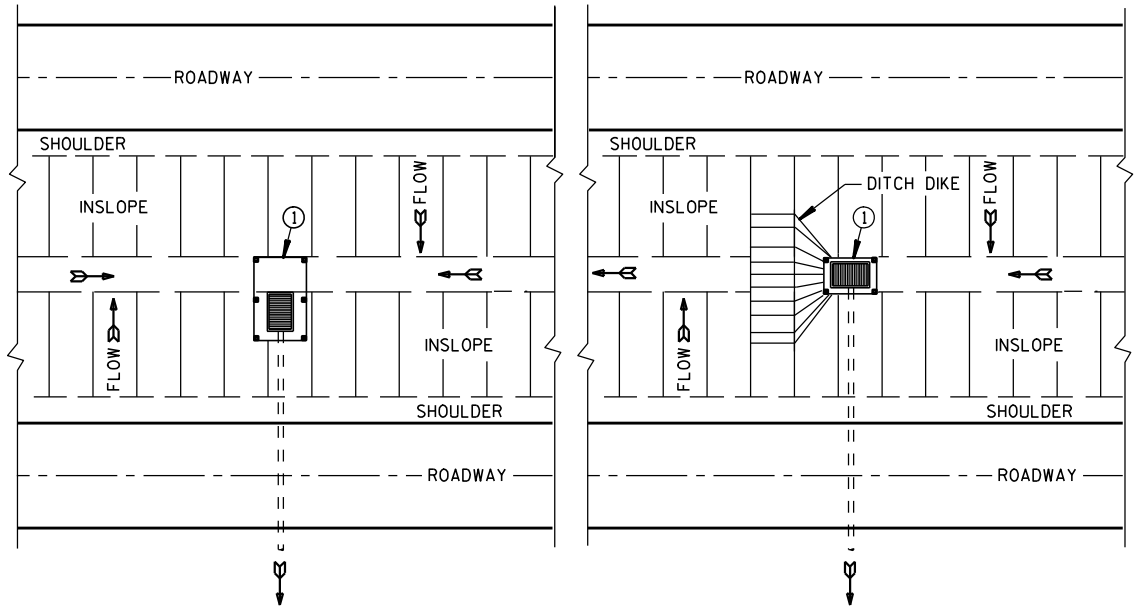
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



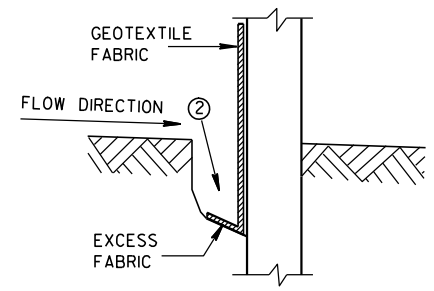
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

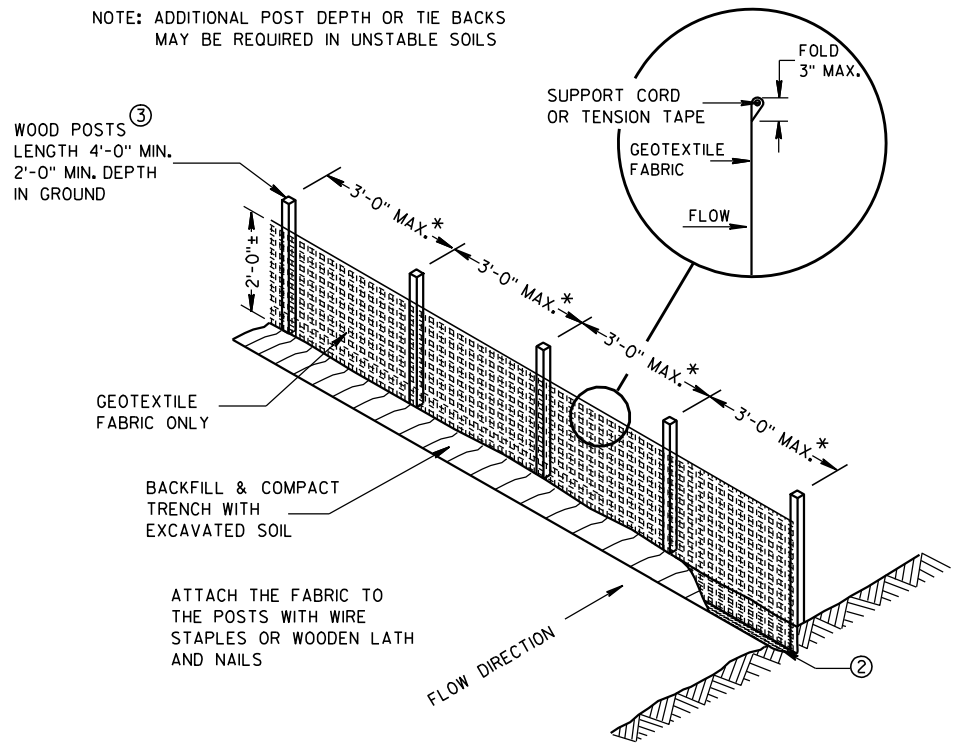
GENERAL NOTES

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

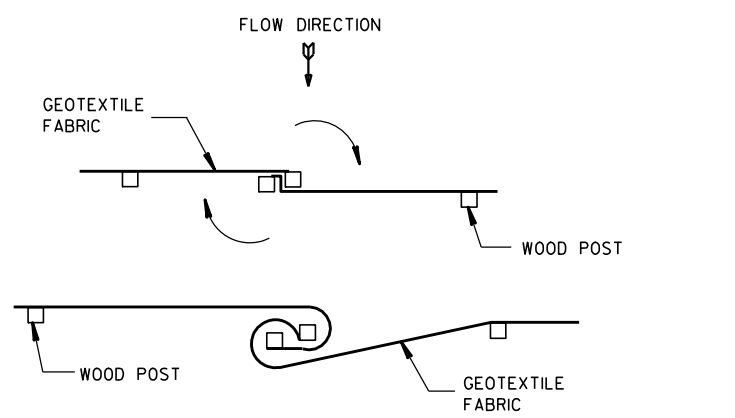
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



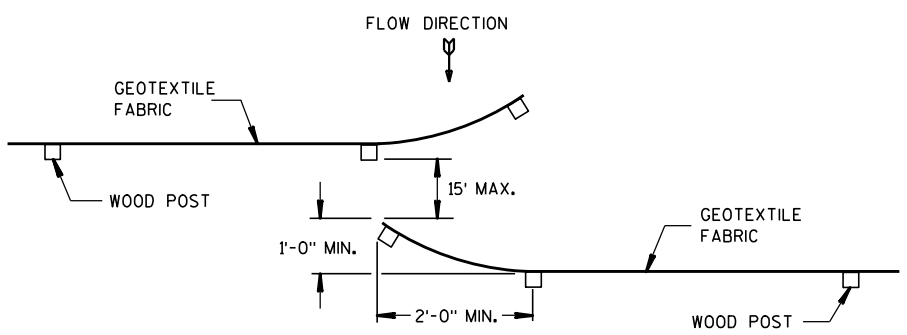
TRENCH DETAIL



SILT FENCE

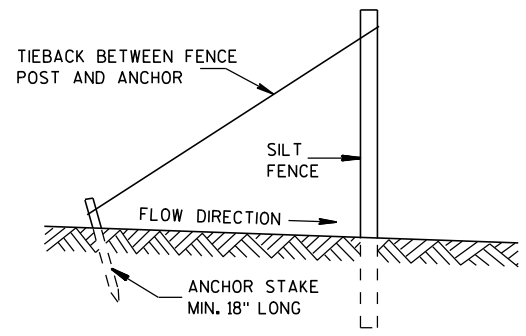


TWIST METHOD



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

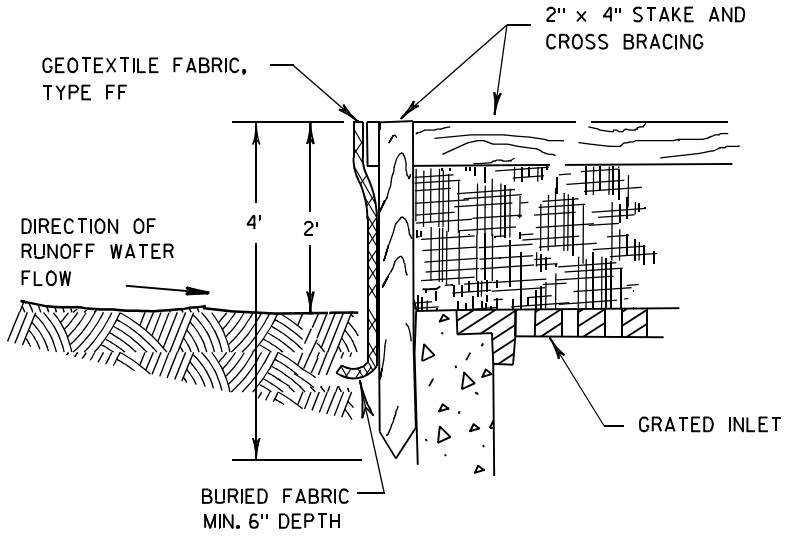
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

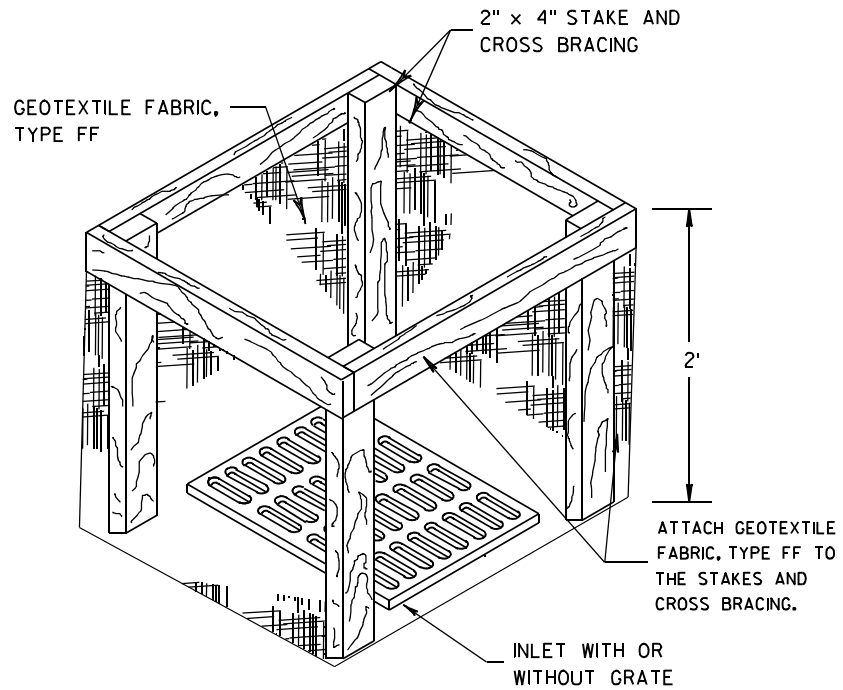
6

S.D.D. 8 E 9-6

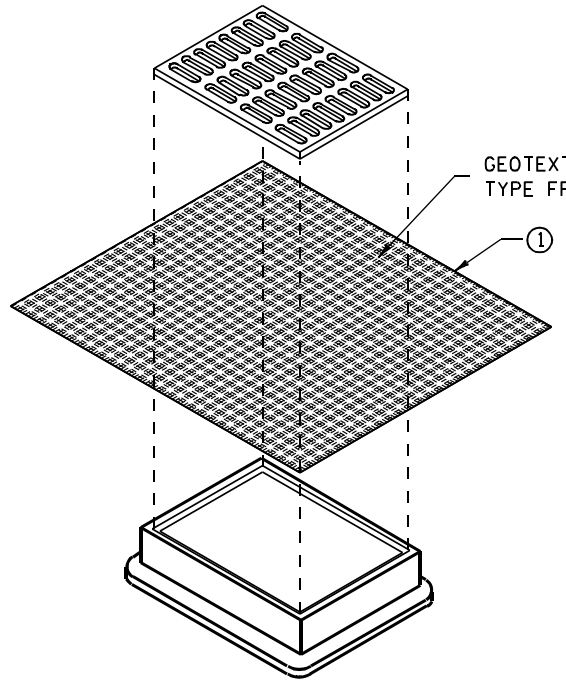
6

S.D.D. 8 E 9-6



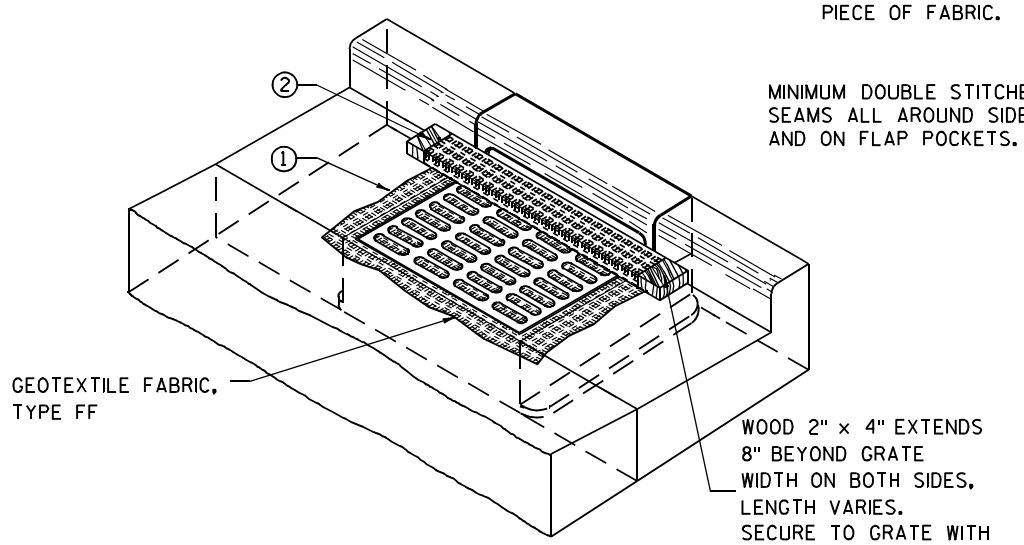


INLET PROTECTION, TYPE A

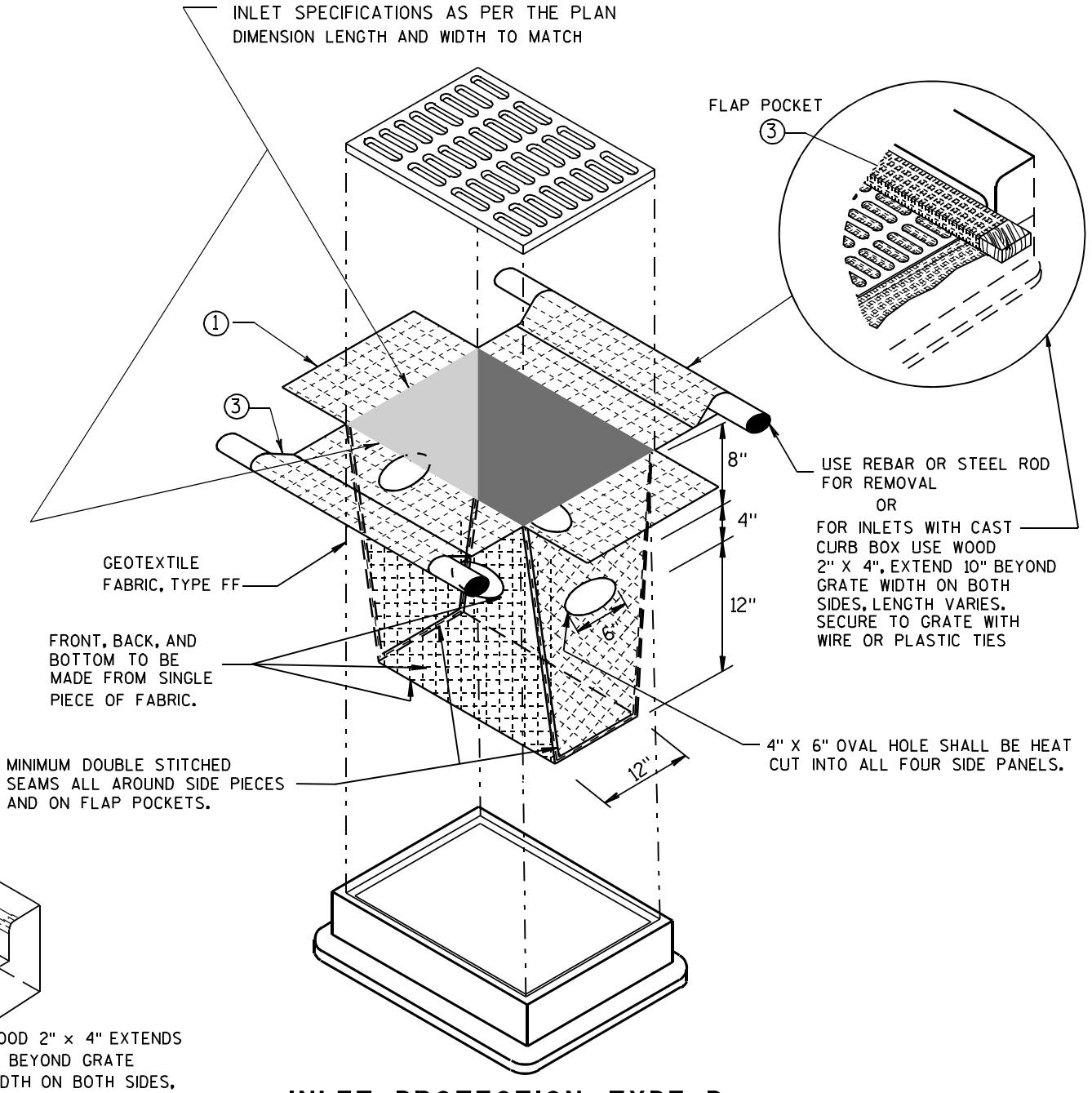


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

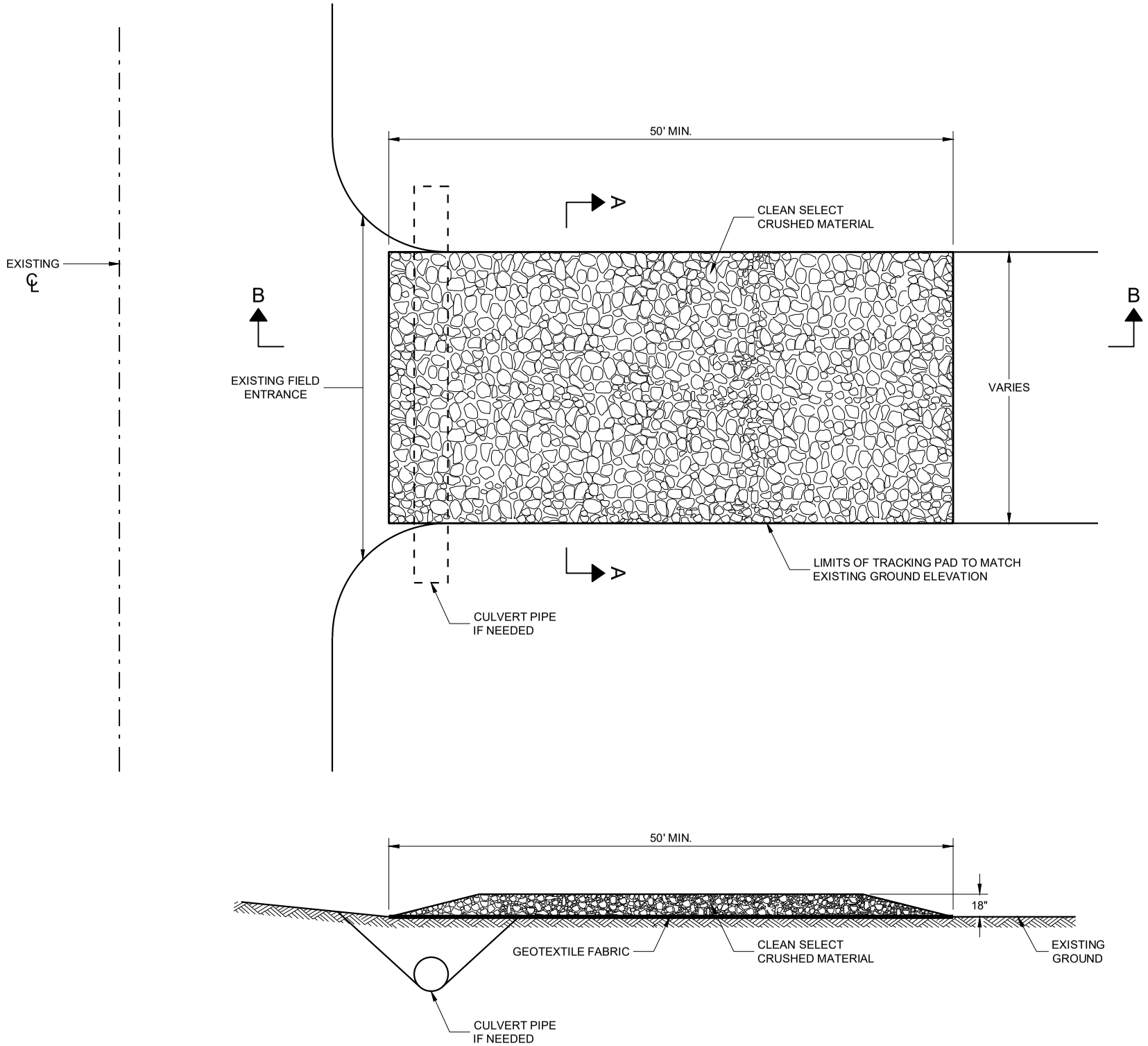
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE 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



SECTION B - 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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

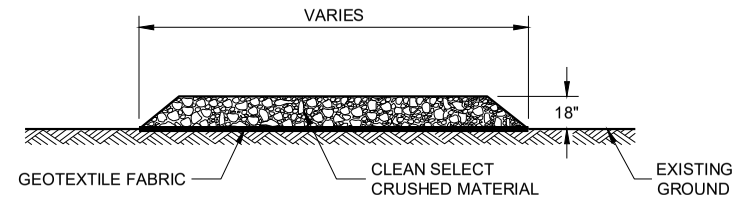
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

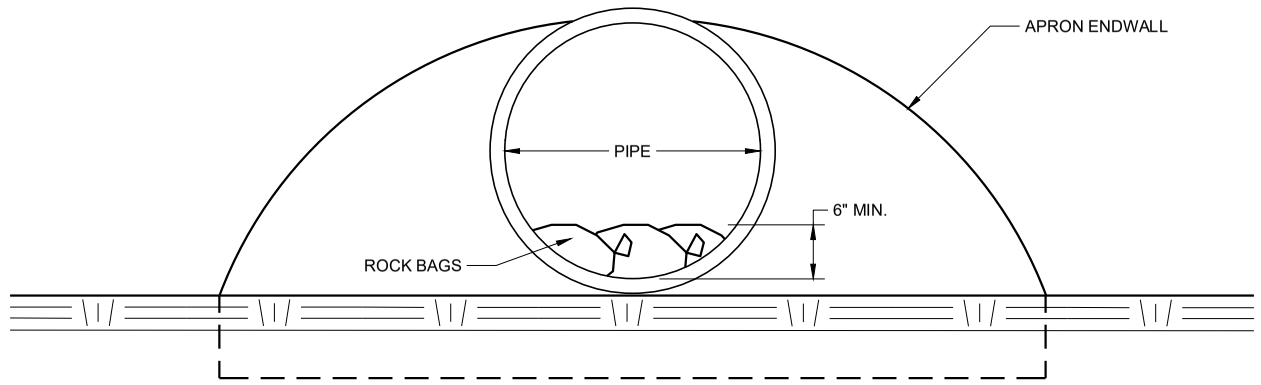
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

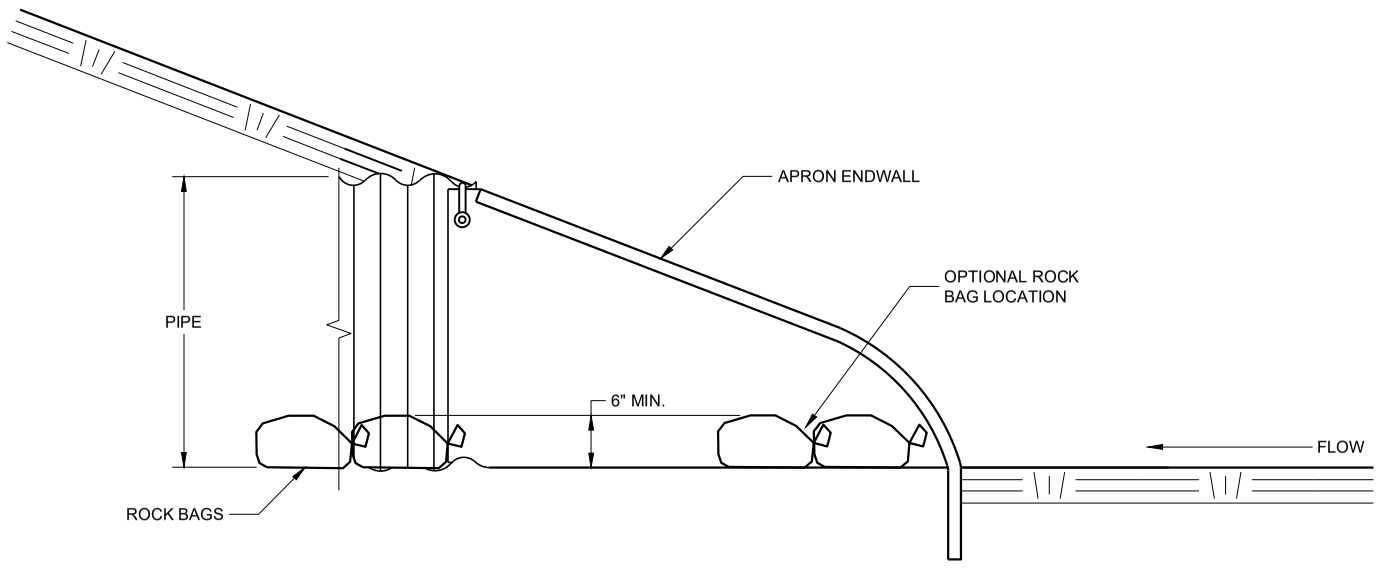
FHWA

6

SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

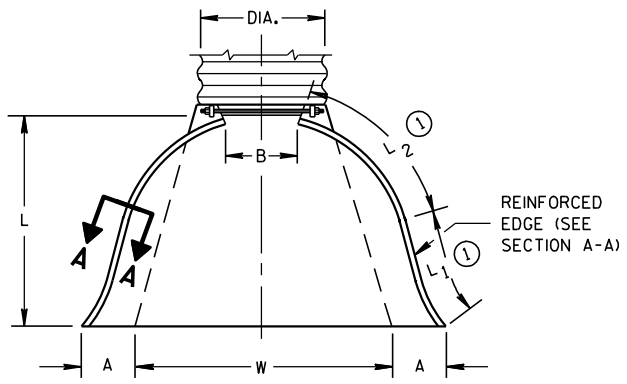
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

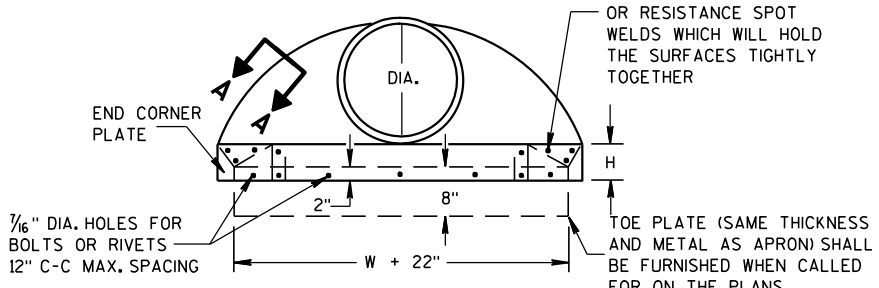
REINFORCED CONCRETE APRON ENDWALLS

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

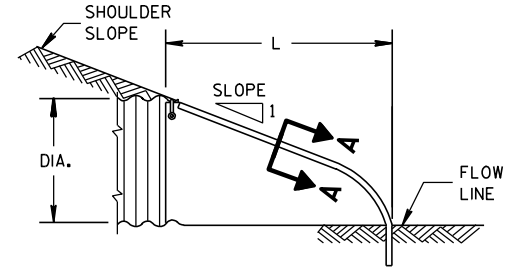
*MINIMUM
**MAXIMUM



PLAN VIEW

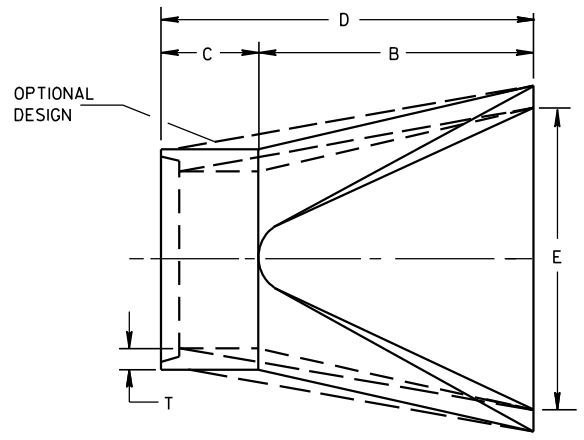


END VIEW

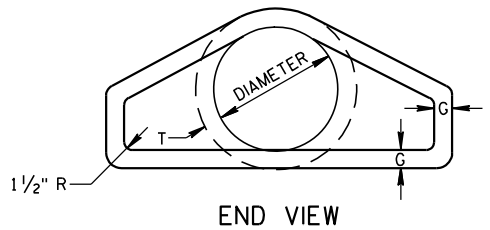


SIDE ELEVATION

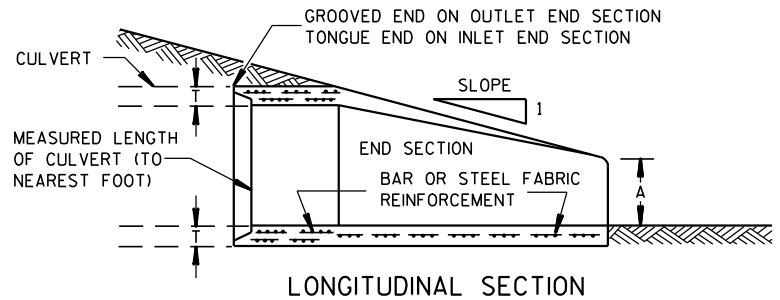
METAL ENDWALLS



PLAN

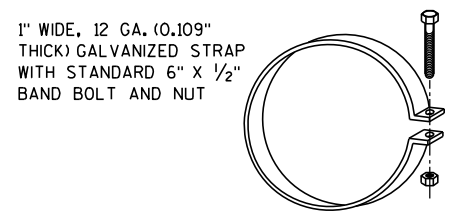


END VIEW



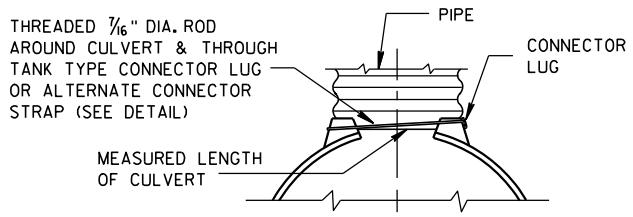
LONGITUDINAL SECTION

CONCRETE ENDWALLS

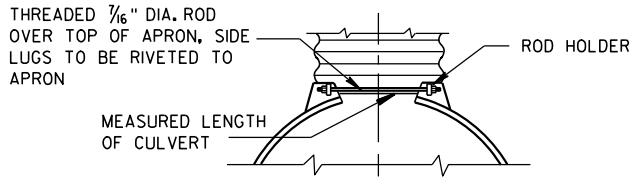


ALTERNATE FOR TYPE 1 CONNECTION

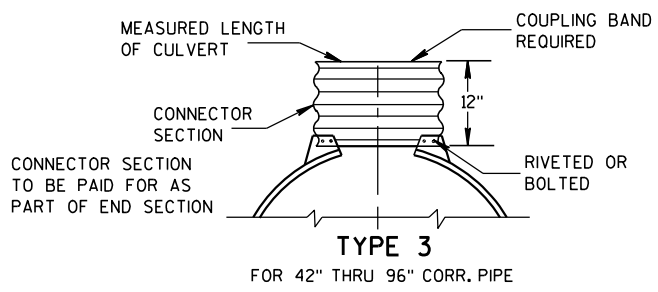
END SECTION CONNECTOR STRAP



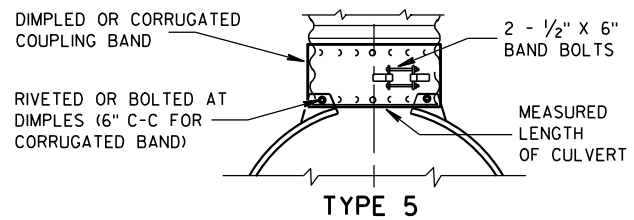
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

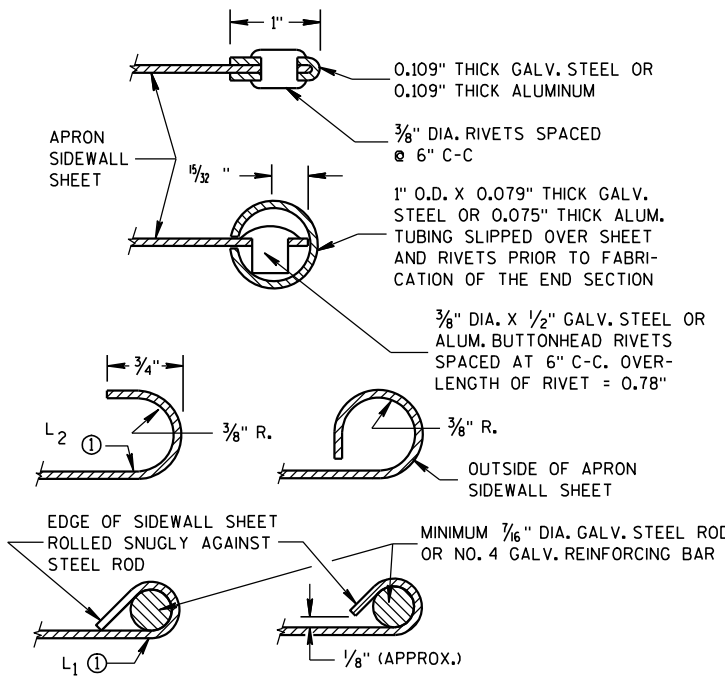
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

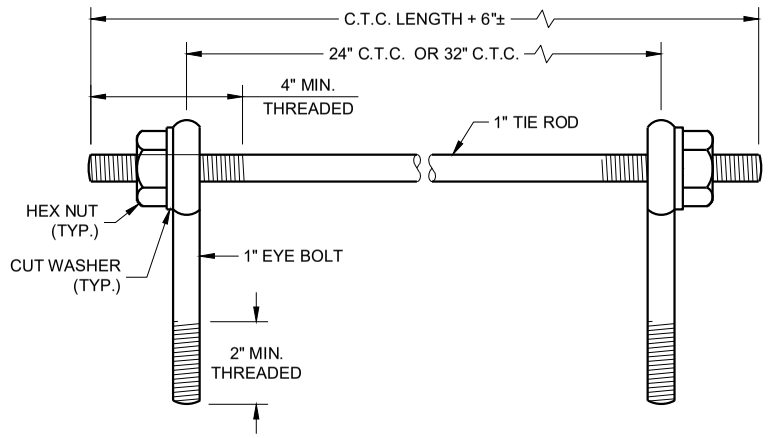
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

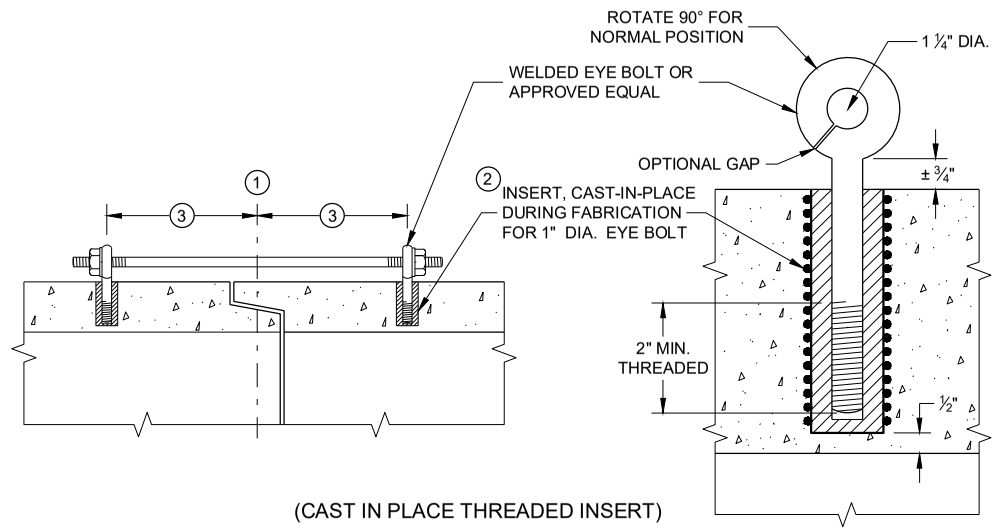
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

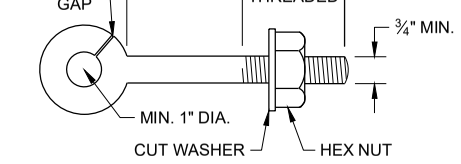
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

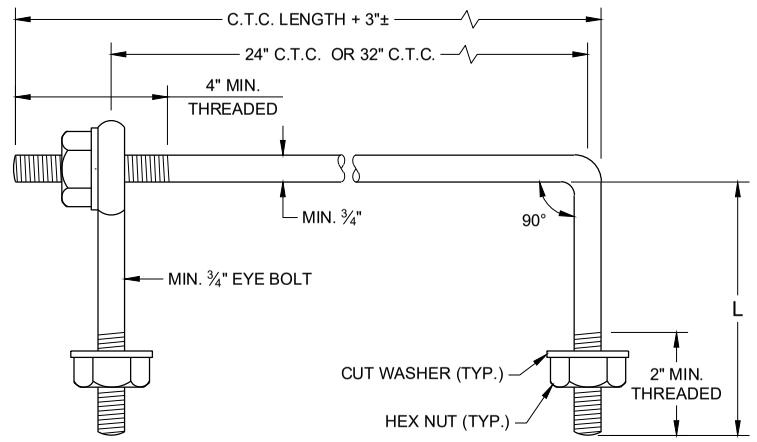
JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

1. CENTER LINE 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 PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.
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 ½ INCH OF THE INNER SURFACE OF THE PIPE.
7. EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

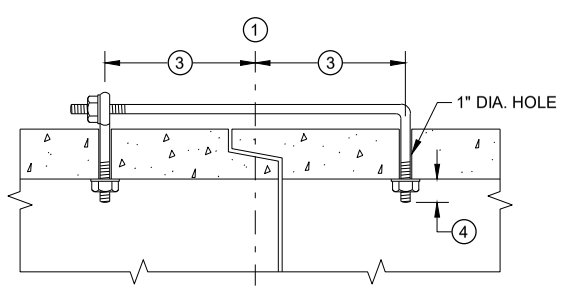


EYE BOLT 7

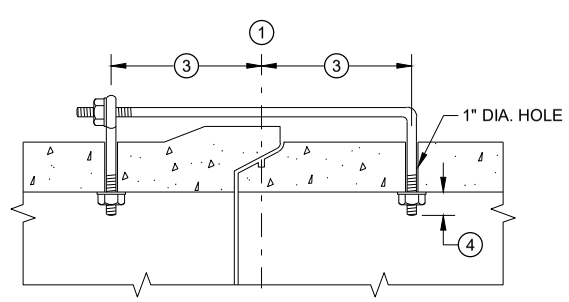
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

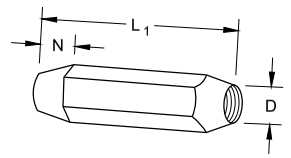
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

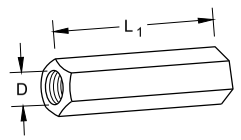
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



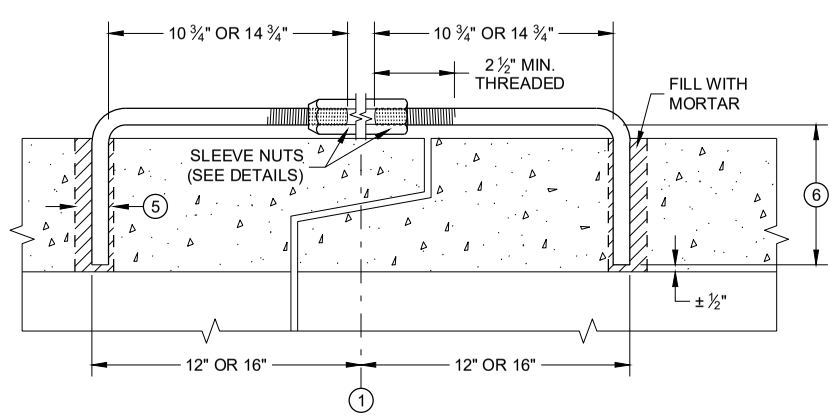
TAPERED



PLAIN

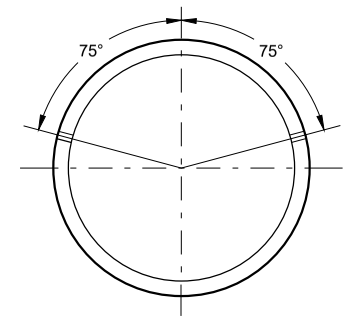
RIGHT AND LEFT THREADS

SLEEVE NUTS



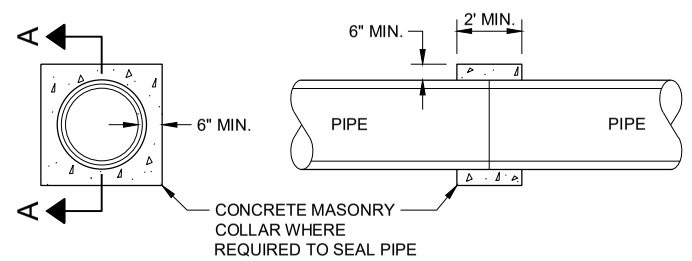
LONGITUDINAL SECTION

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

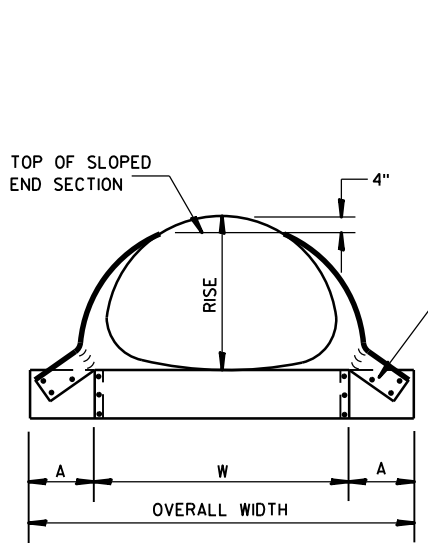
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

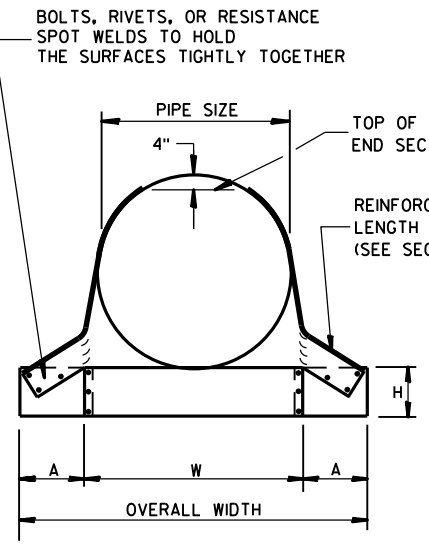
APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

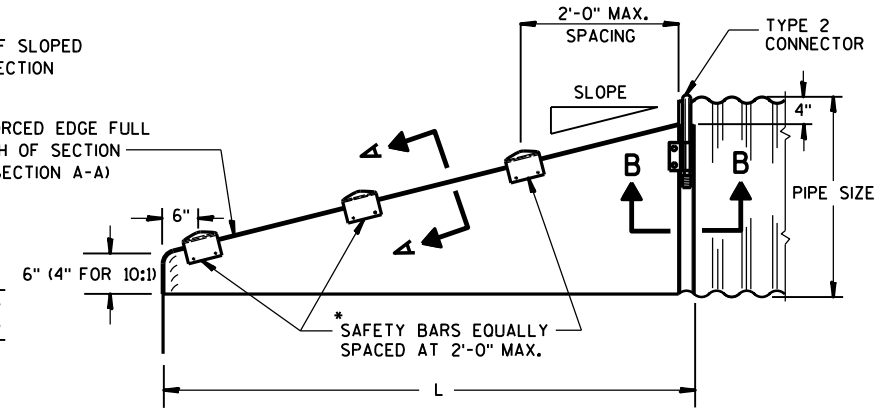
SDD 08F04 - 08



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

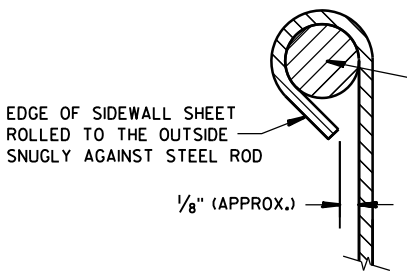
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

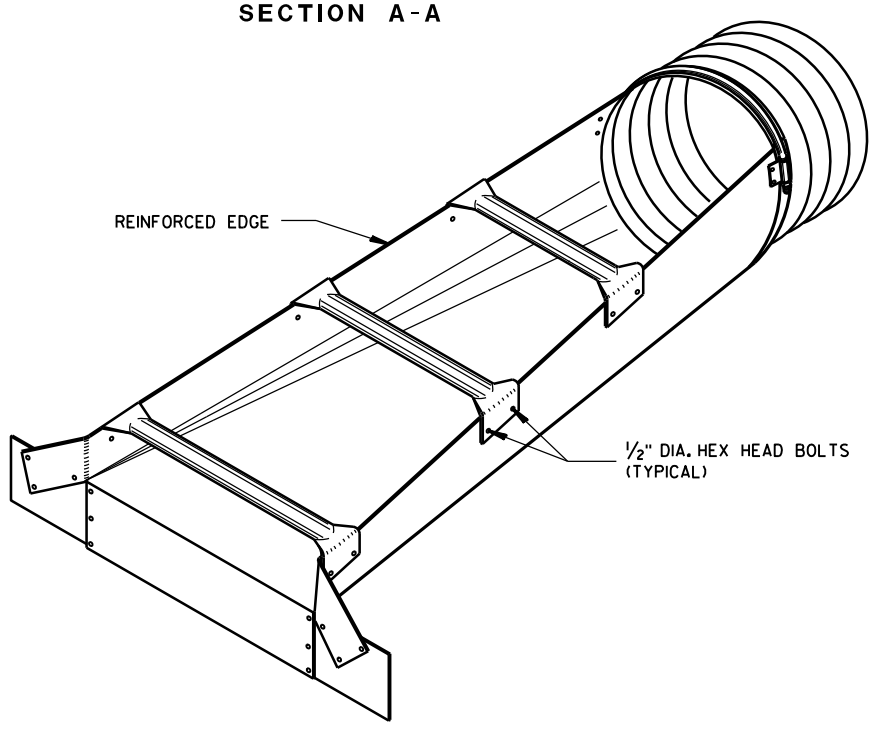
SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



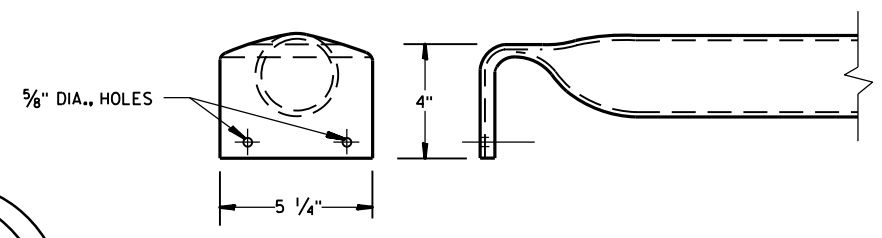
SECTION A-A



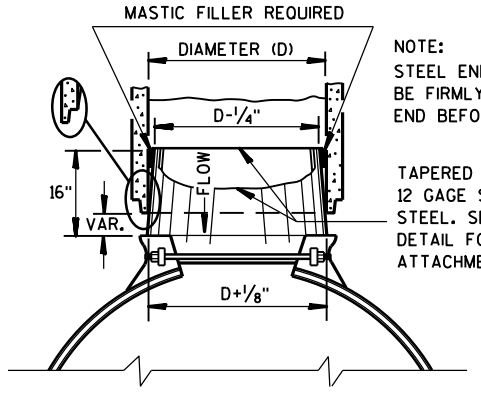
ISOMETRIC VIEW

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.



DETAIL OF SAFETY BAR



NOTE:
STEEL END SECTION SHALL BE FIRMLY WEDGED INTO PIPE END BEFORE BACKFILLING

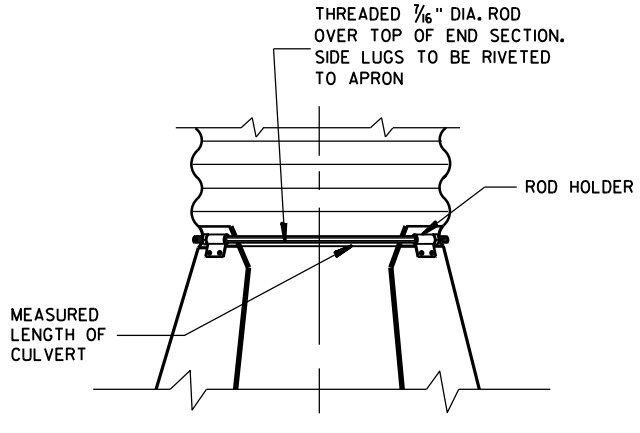
TAPERED SLEEVE TO BE 12 GAGE SMOOTH GALVANIZED STEEL. SEE SECTION B-B DETAIL FOR END SECTION ATTACHMENT.

STEEL ADAPTER SLEEVE FOR CONCRETE PIPE

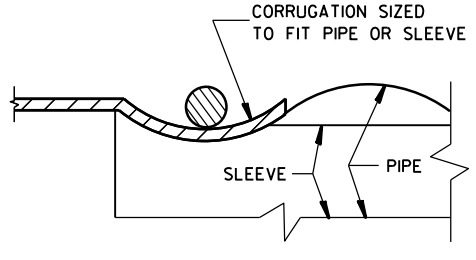
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

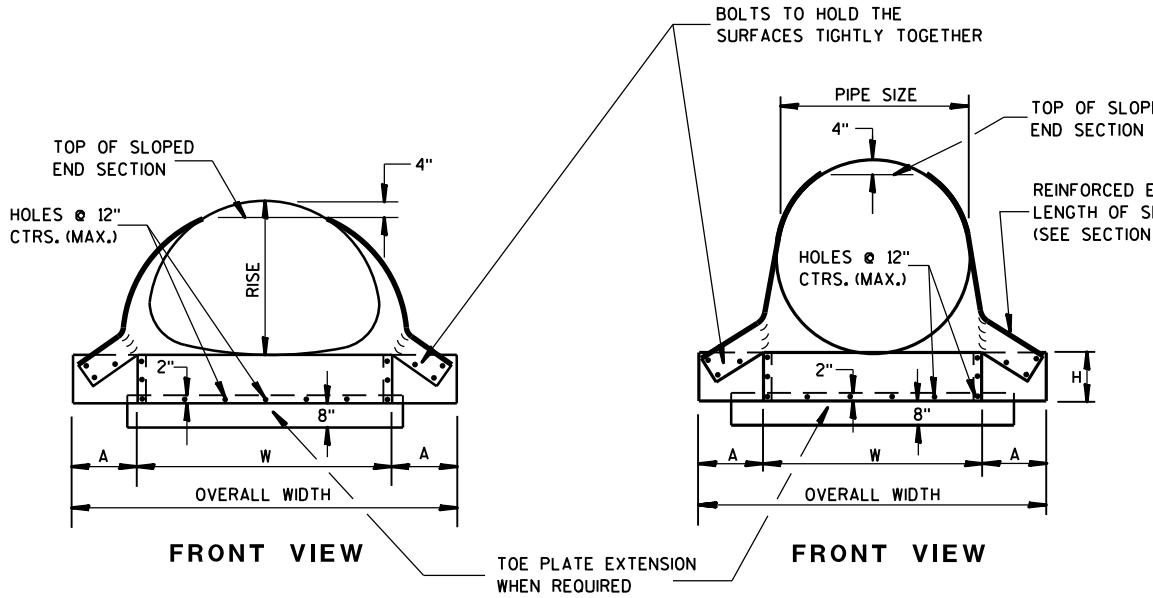
APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 7-5

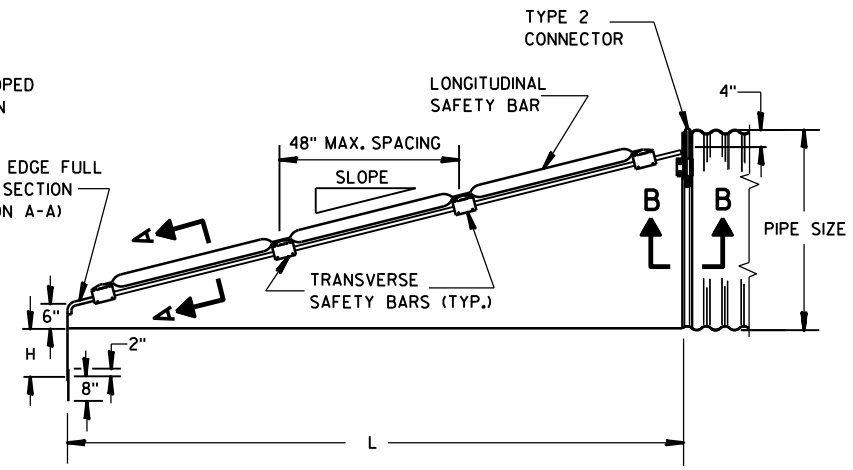
6

S.D.D. 8 F 7-5



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

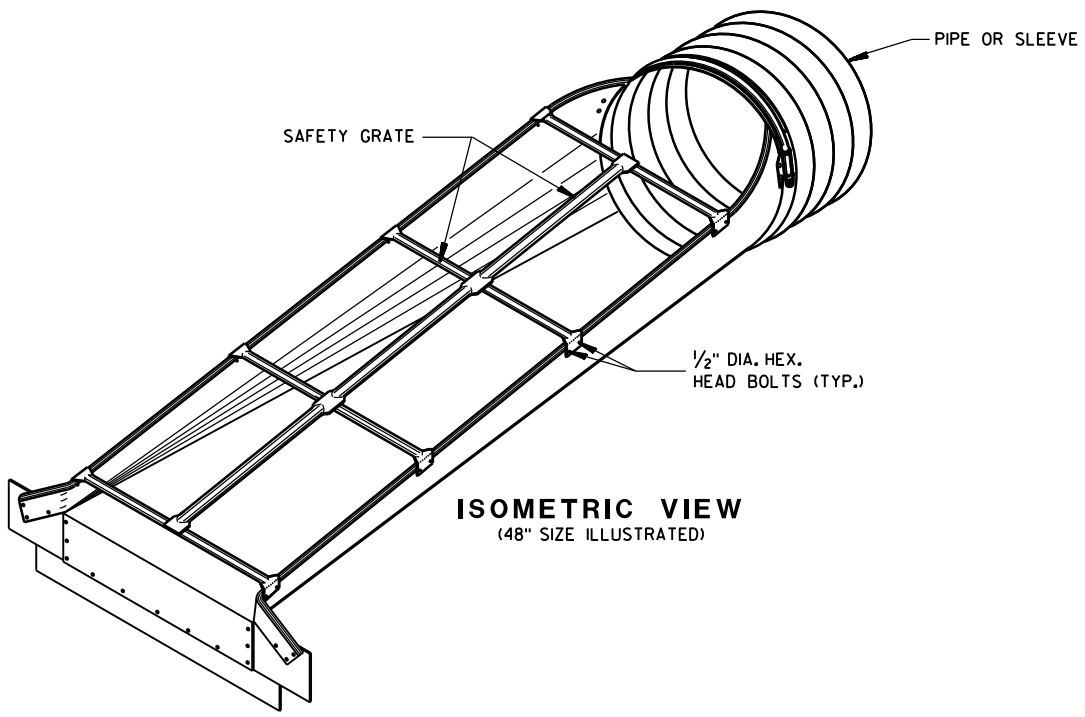
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

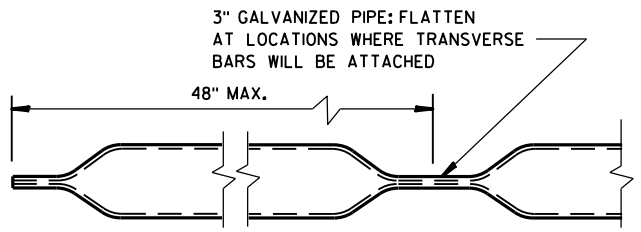
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

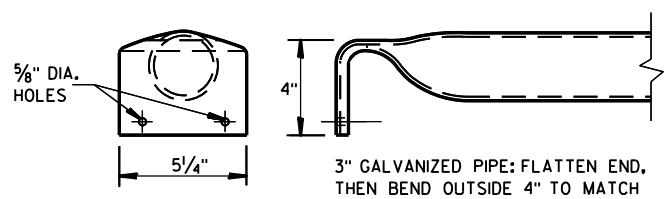
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



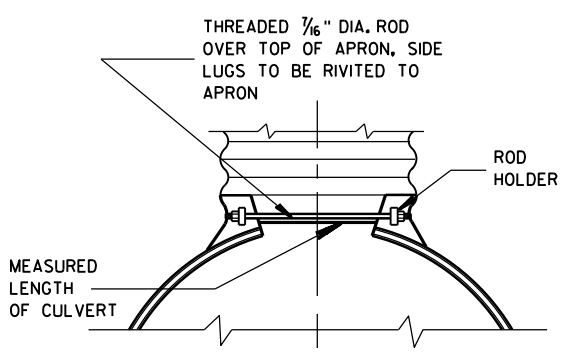
LONGITUDINAL SAFETY BAR



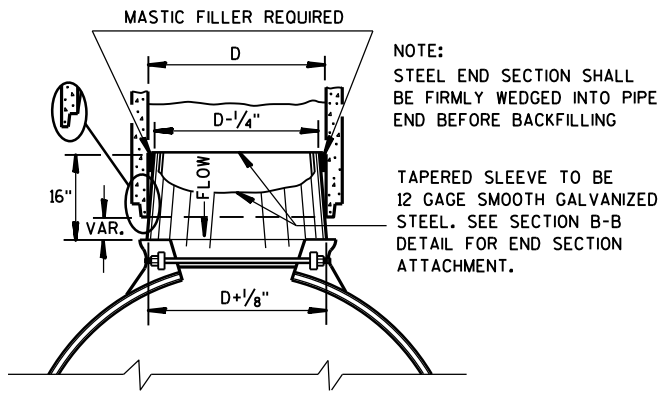
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

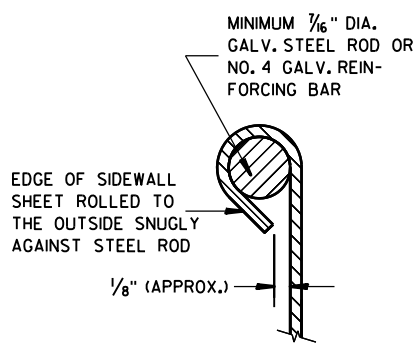
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



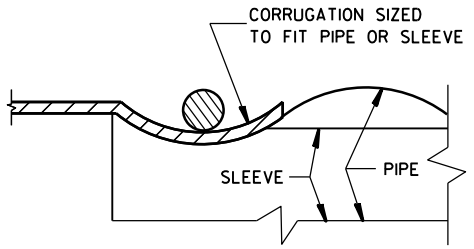
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 F 8-2

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.

FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2' - 0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3' - 0"

(3) LIMITS OF TRENCH BACKFILL

(4) LIMITS OF FOUNDATION BACKFILL

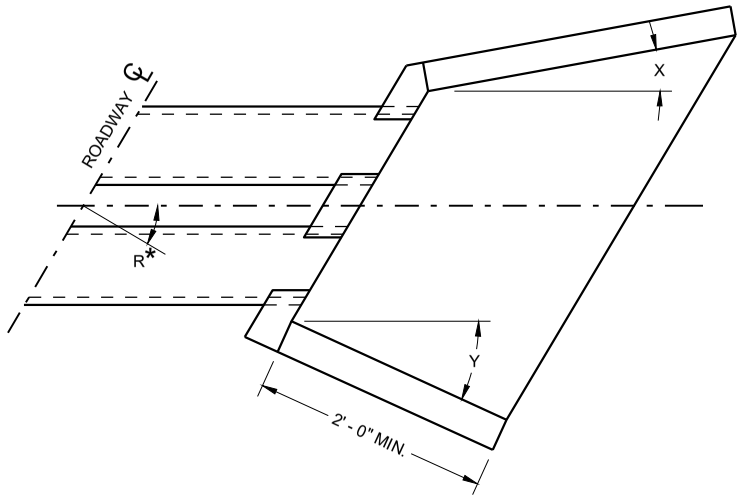
(5) FOUNDATION AND TRENCH BACKFILL ARE MATERIALS INCLUDED IN PAYMENT FOR CULVERT PIPE, PIPE ARCH, CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPSE OR CONCRETE MASONRY ENDWALLS.

(6) DO NOT PLACE FOUNDATION BACK FILL OR ANY OTHER GRANULAR BACKFILL AROUND OR BELOW CUT OFF WALL. POUR CUT OFF WALL AGAINST NATIVE SOIL

(7) MINIMUM HEIGHT SHALL BE THE GREATER OF 1'- 0" OR ¼ HEIGHT OF CULVERT PIPE.

TRENCH BACKFILL

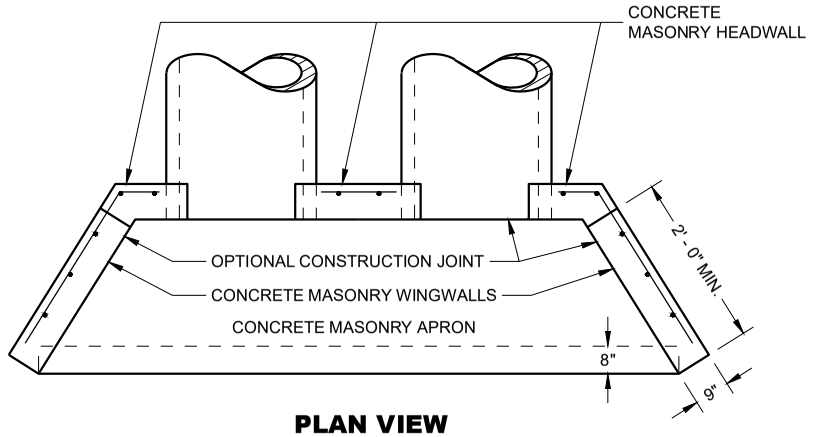
FOUNDATION BACKFILL



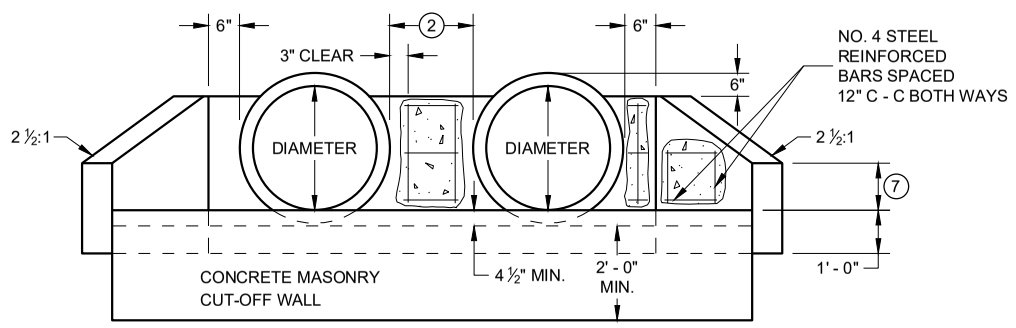
WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	30°	16 - 45°	10°	15°
23 - 37°	20°	30°	46 - 75°	5°	15°
38 - 52°	15°	30°	OVER 75°	0°	15°
53 - 67°	10°	30°			
68 - 82°	5°	30°			
OVER 82°	0°	30°			

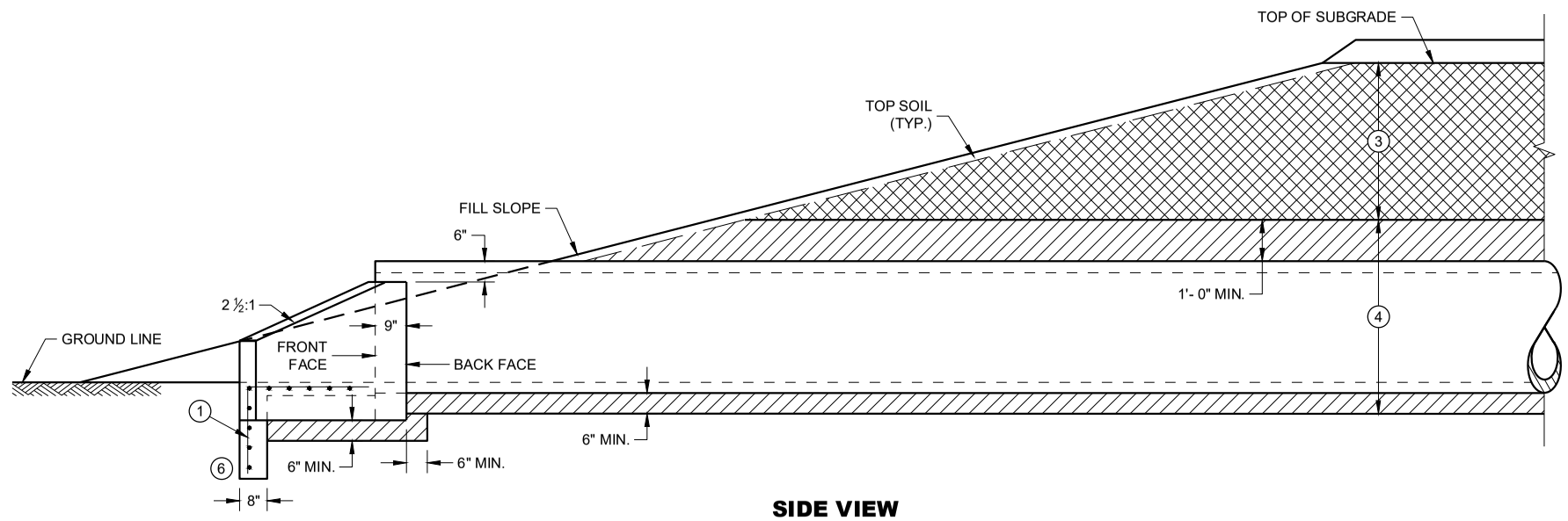
R* = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD



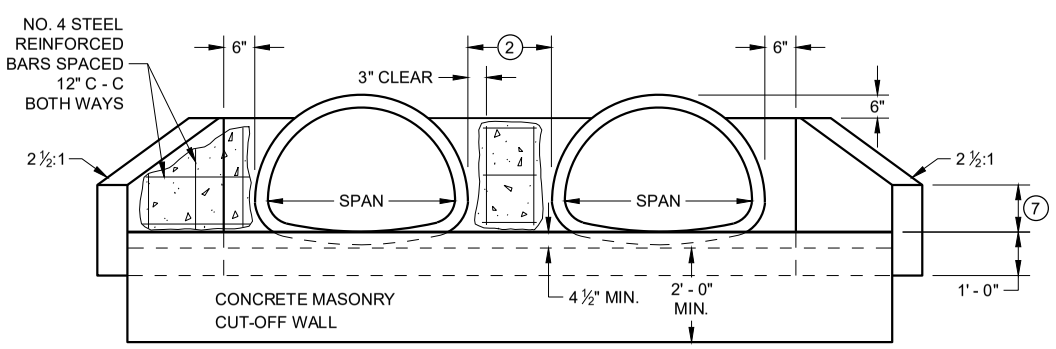
PLAN VIEW



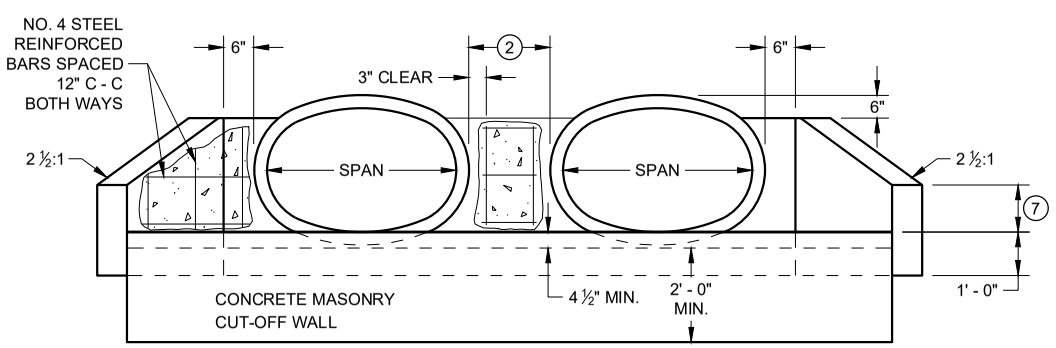
END VIEW
CIRCULAR PIPE



SIDE VIEW
CIRCULAR PIPE, PIPE ARCH OR HORIZONTAL ELLIPSE



END VIEW
PIPE ARCH



END VIEW
HORIZONTAL ELLIPSE

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

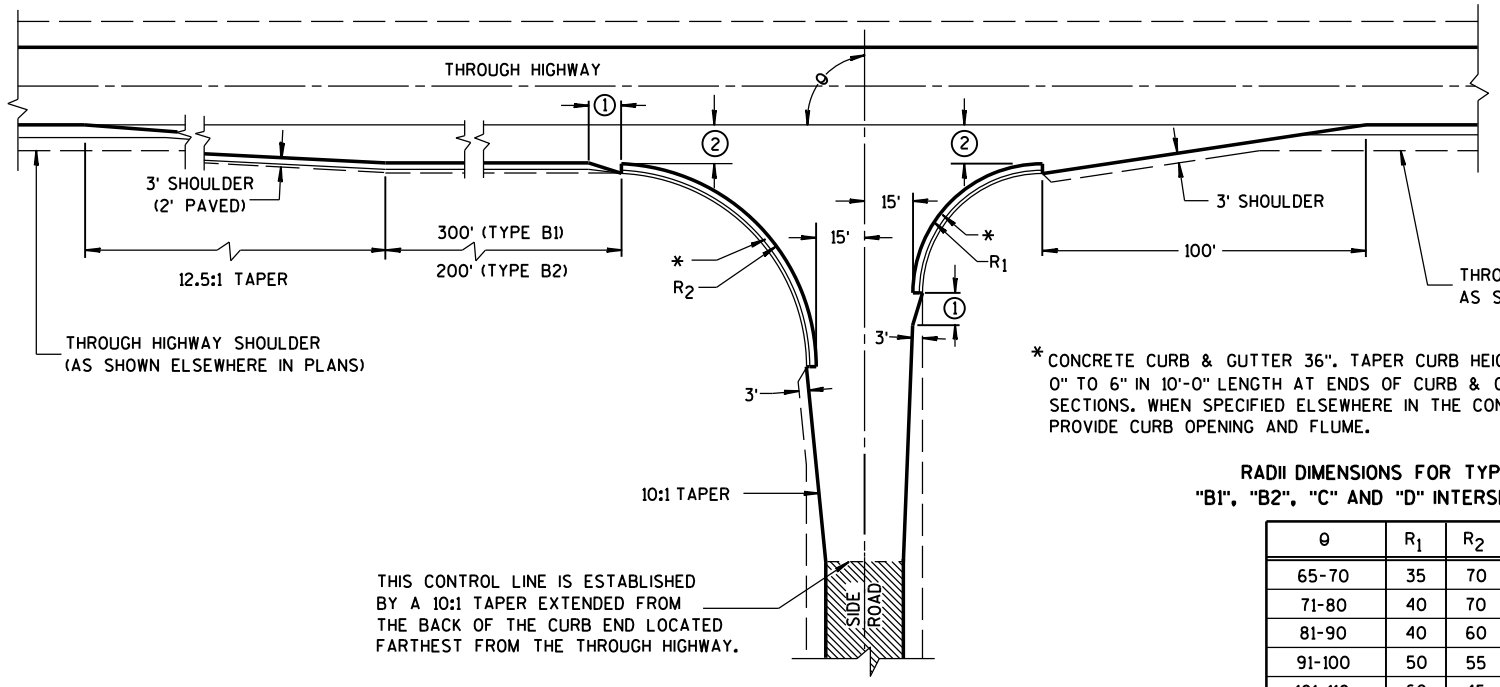
APPROVED
May 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD 08F10 - 02

6

SDD 08F10 - 02

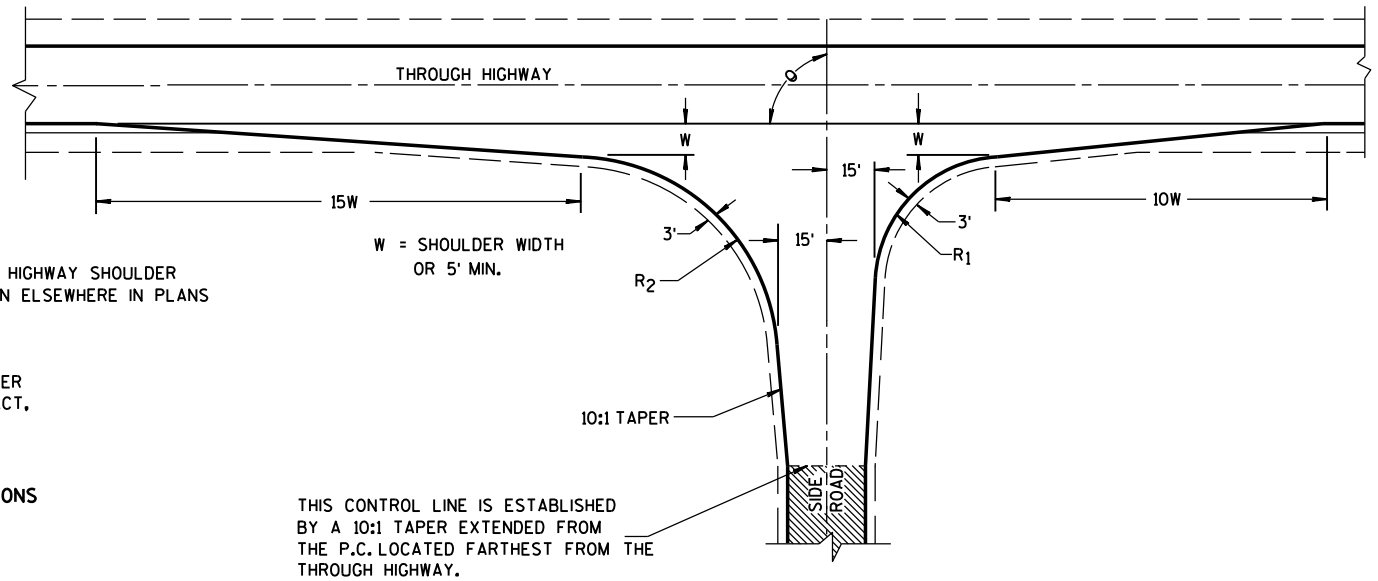


TYPE "B1" AND "B2"

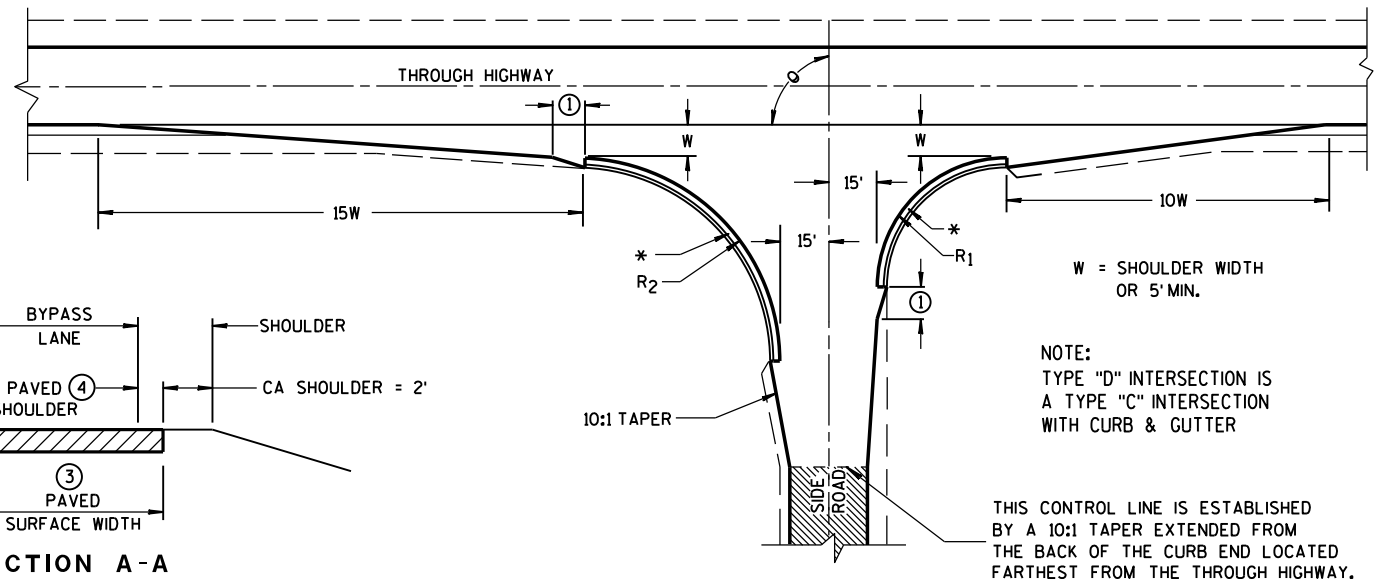
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

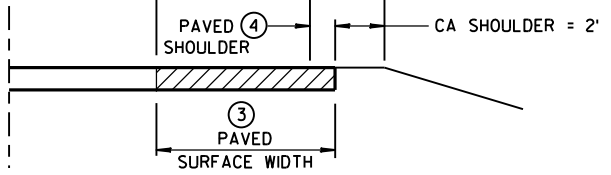
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

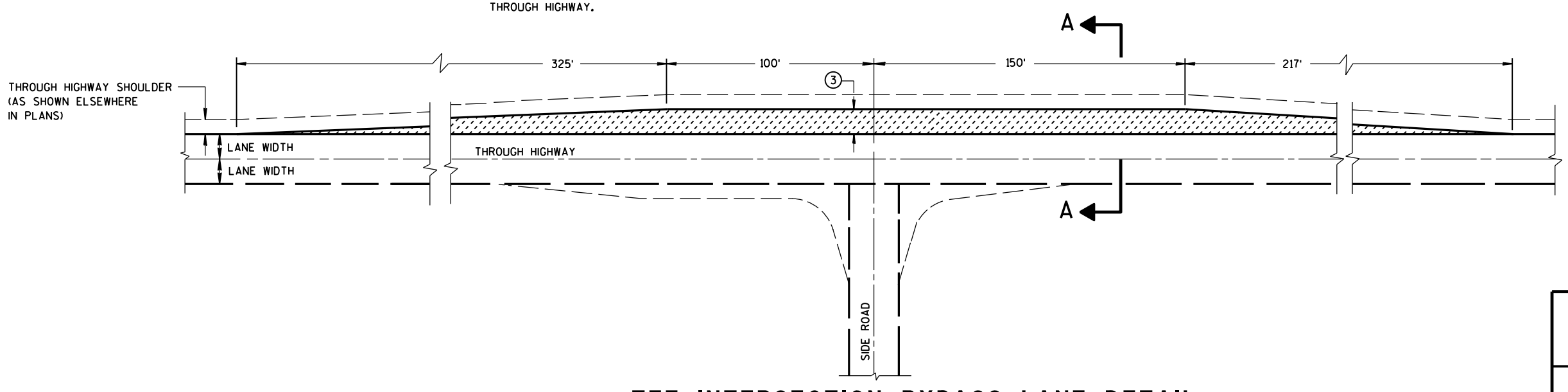
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



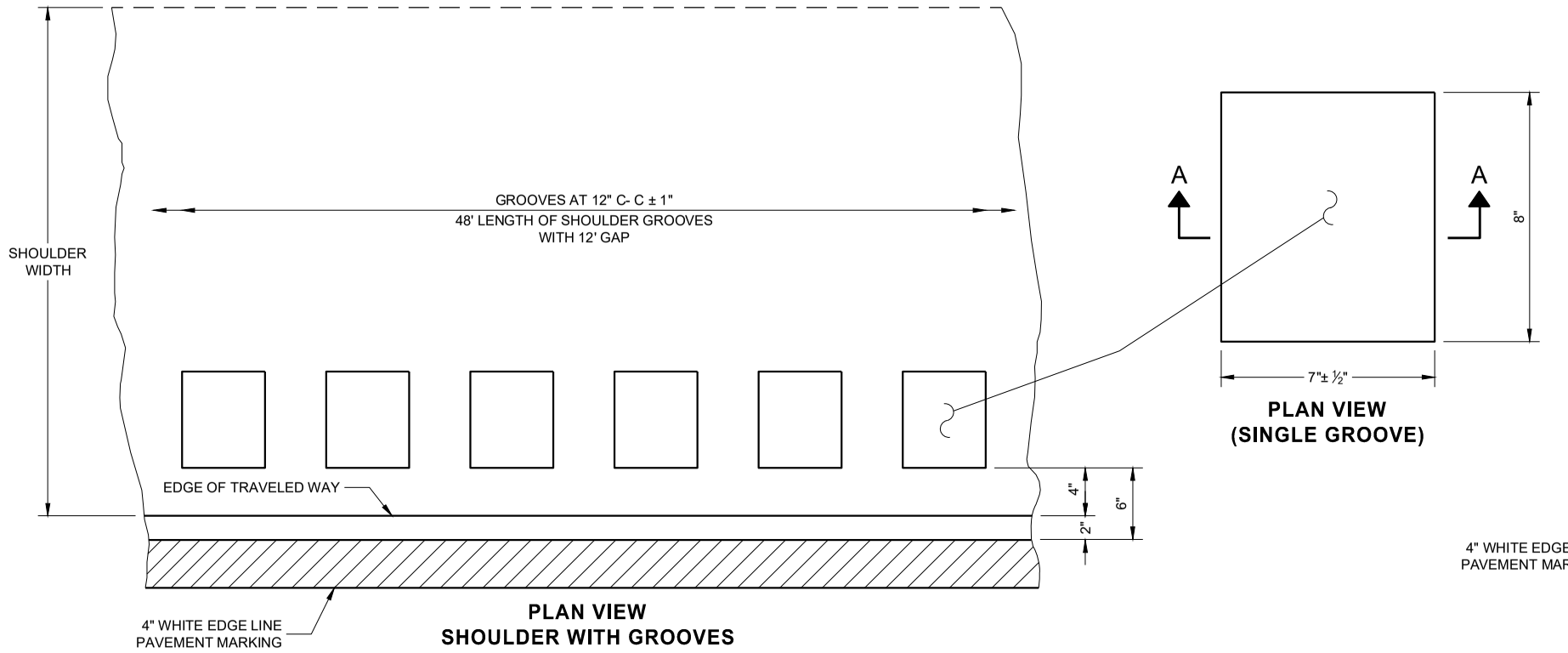
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 9 A 1-13a



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

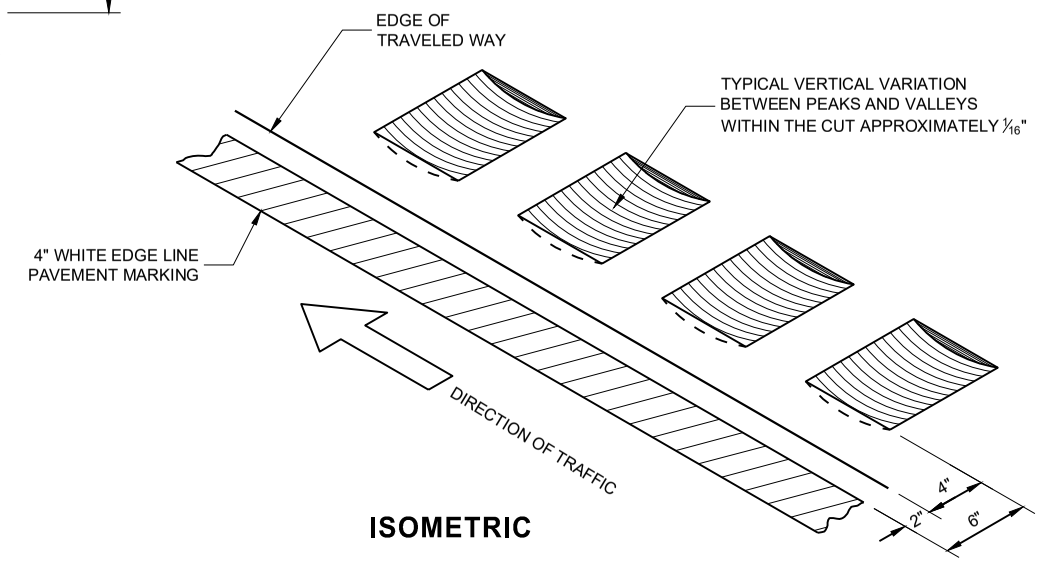
PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

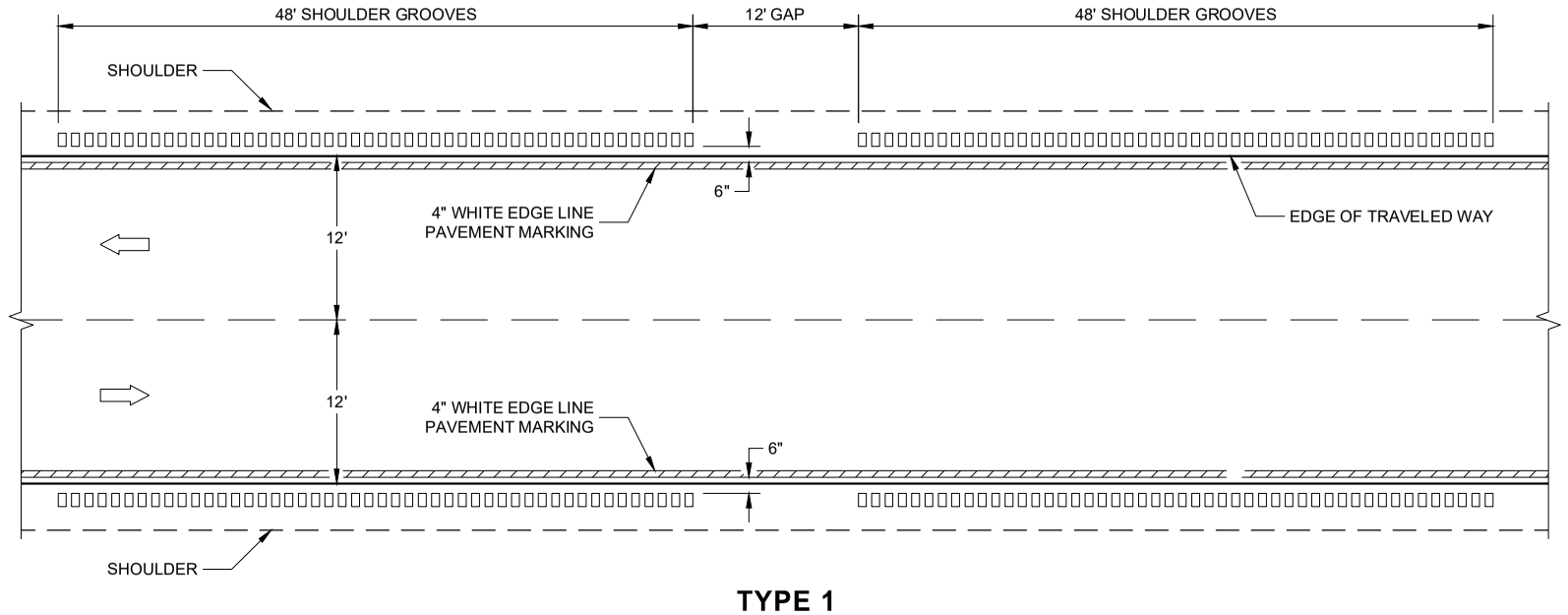
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

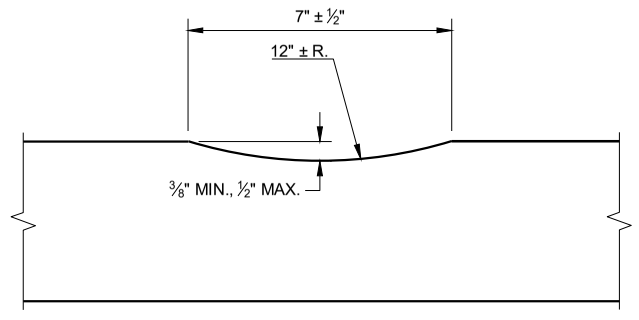
(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



ISOMETRIC



TYPE 1
2 - LANE SHOULDER RUMBLE STRIP



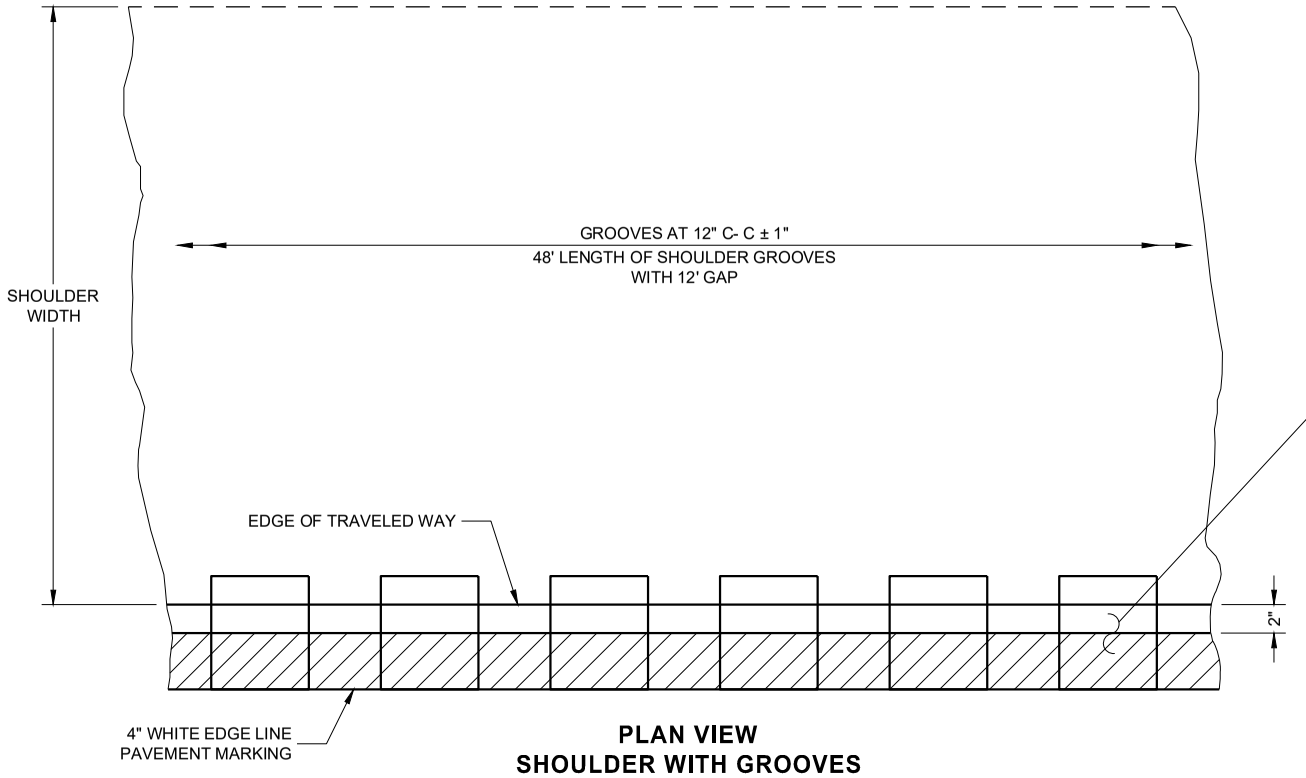
SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

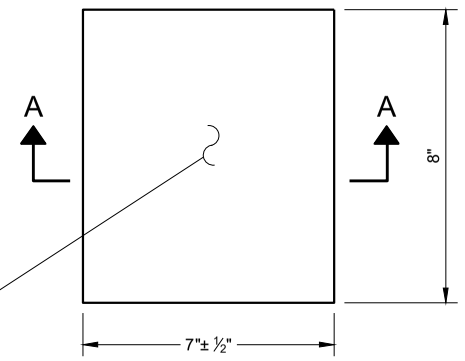
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 138

SDD 13A10 - 02a

SDD 13A10 - 02a



PLAN VIEW
SHOULDER WITH GROOVES



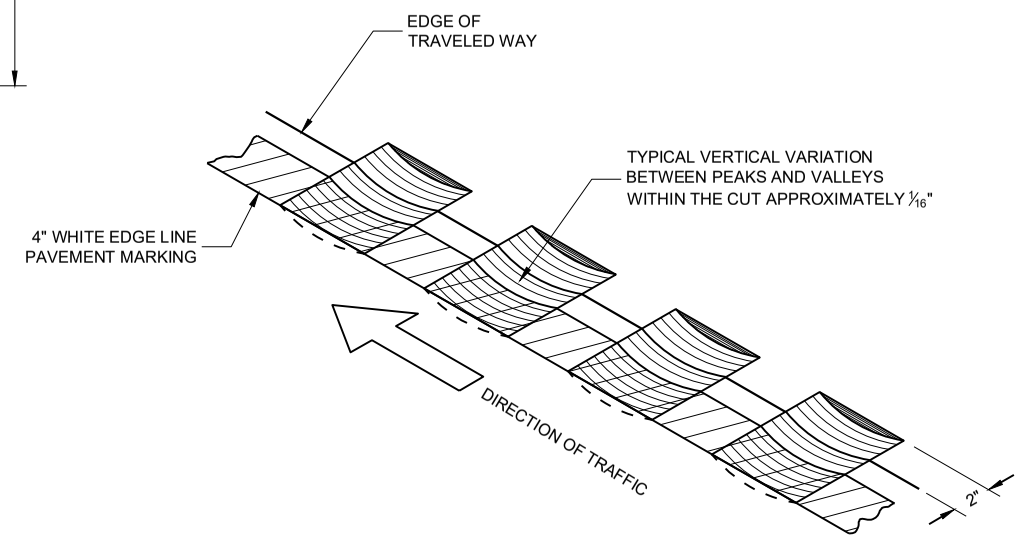
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

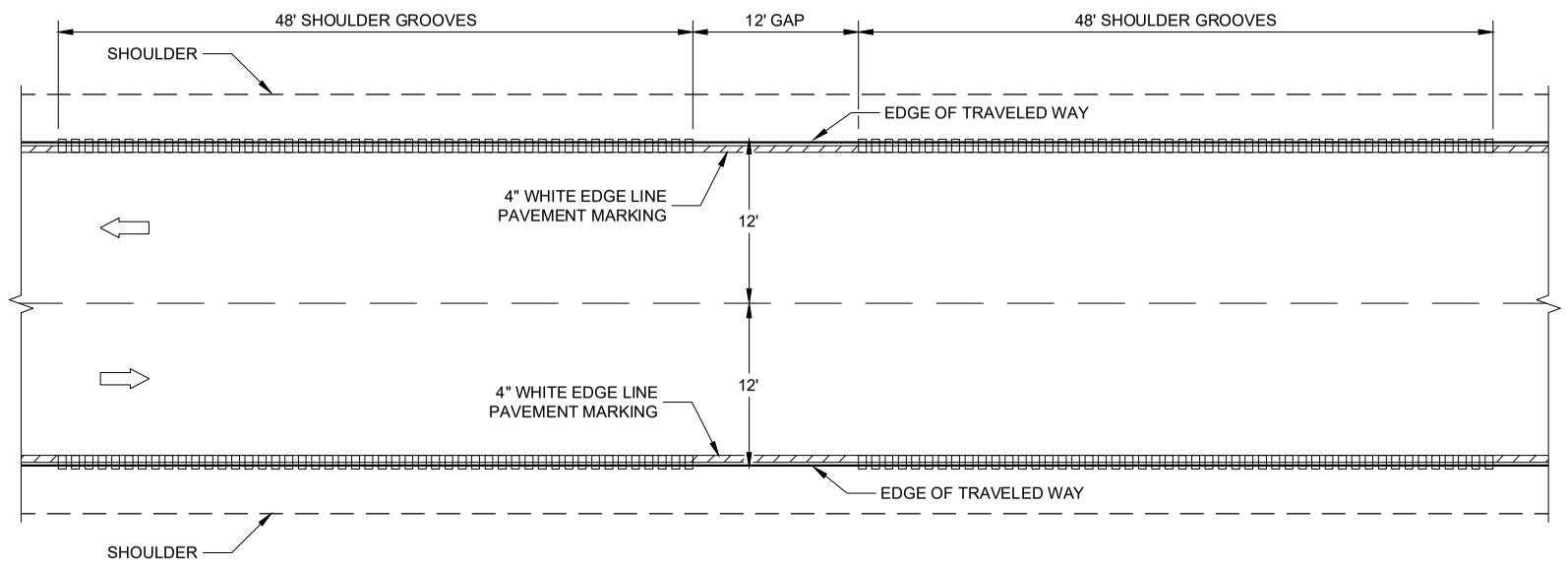
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

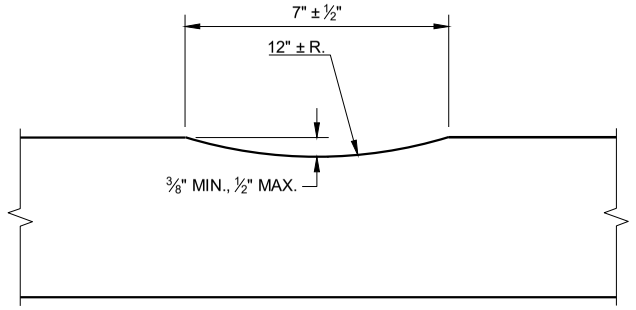


ISOMETRIC

PLACEMENT DETAIL FOR TYPE 2 MILLED RUMBLE STRIP



TYPE 2
2 - LANE SHOULDER RUMBLE STRIP



SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

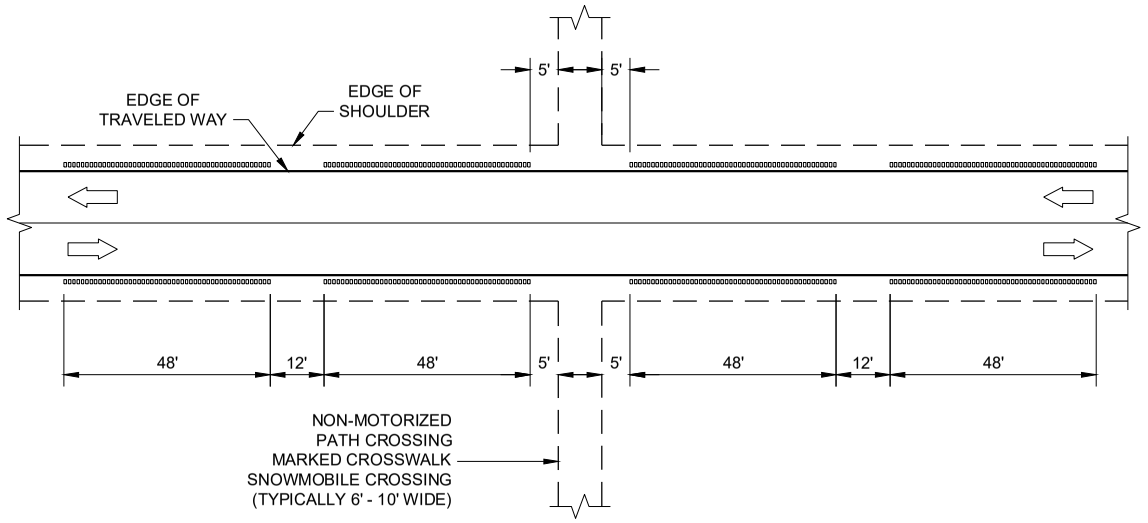
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA[illegible] 139

SDD 13A10 - 02b

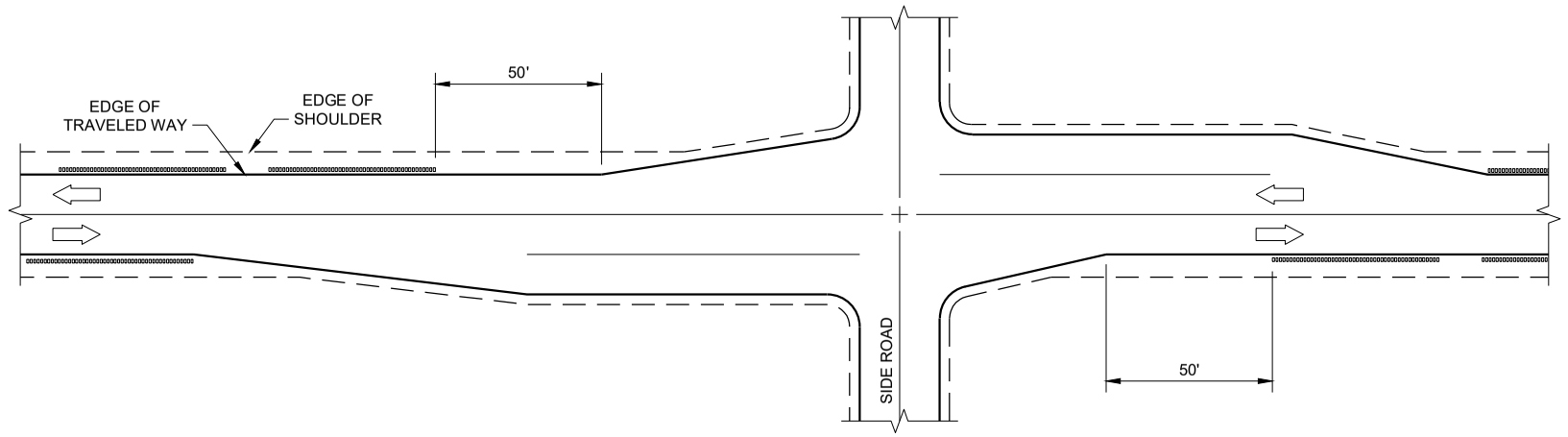
SDD 13A10 - 02b

6

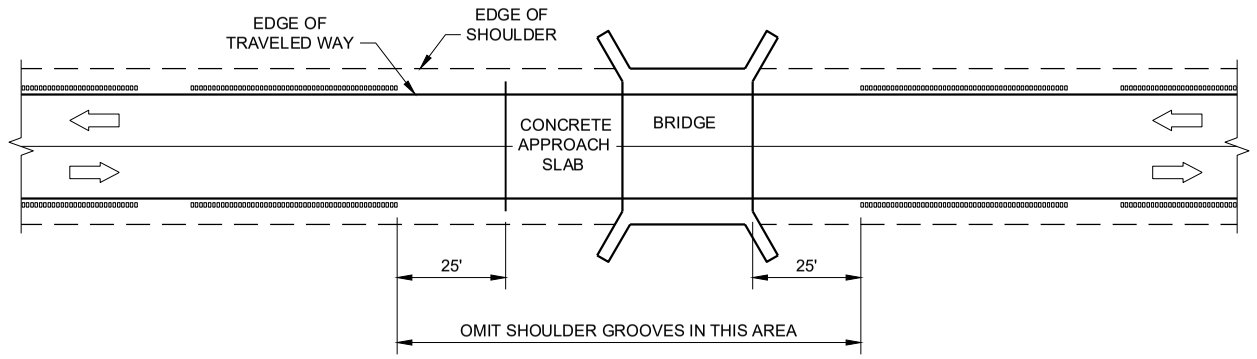
6



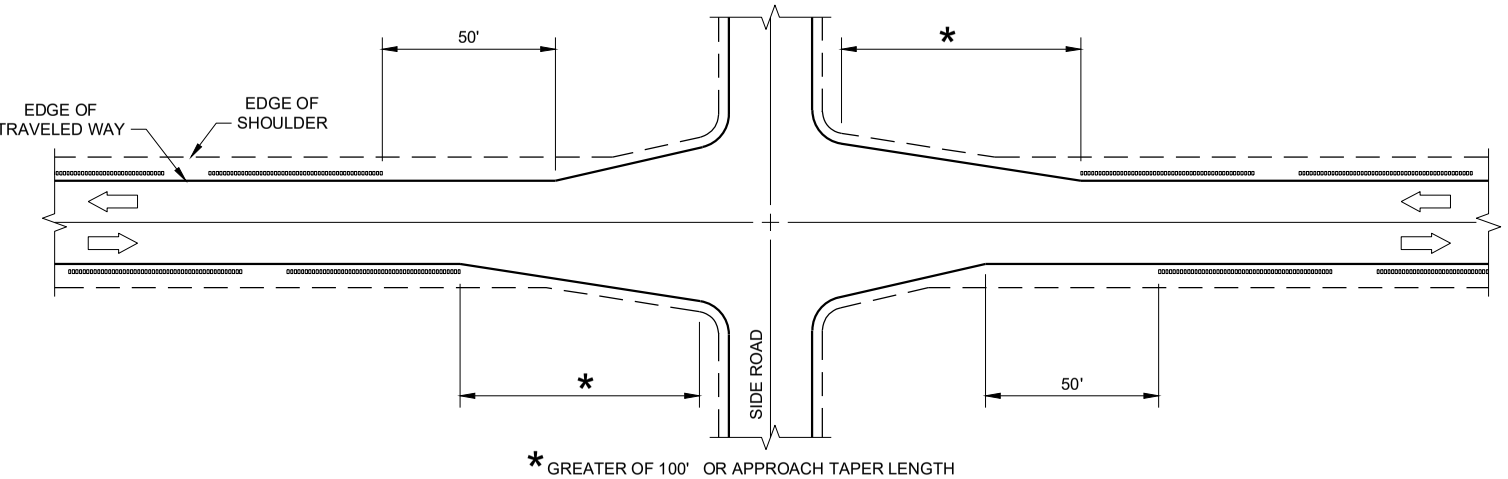
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT RIGHT TURN LANE

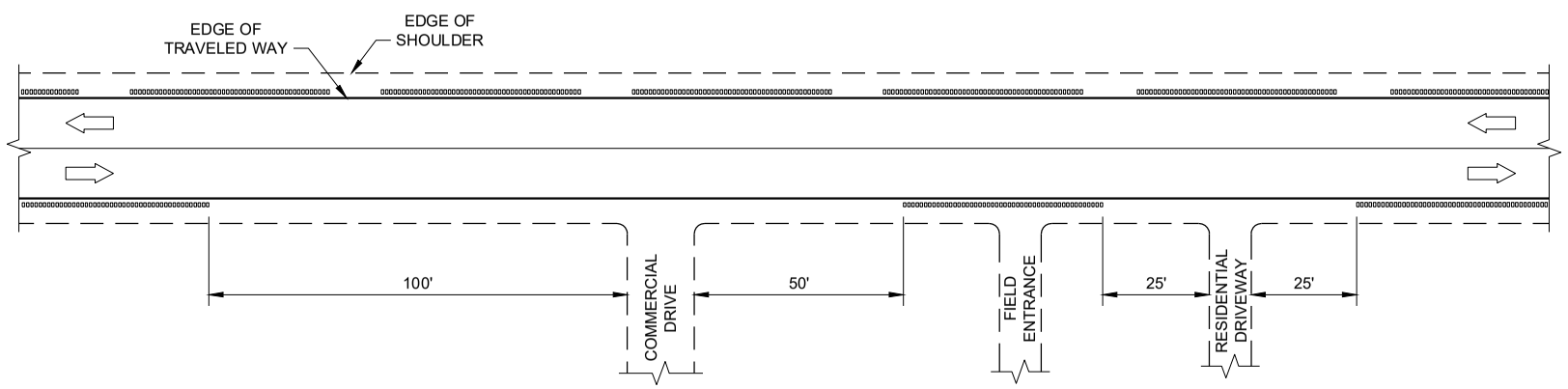


SHOULDER GROOVES AT BRIDGES



* GREATER OF 100' OR APPROACH TAPER LENGTH

SHOULDER GROOVES AT INTERSECTIONS WITH APPROACH TAPER



SHOULDER GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

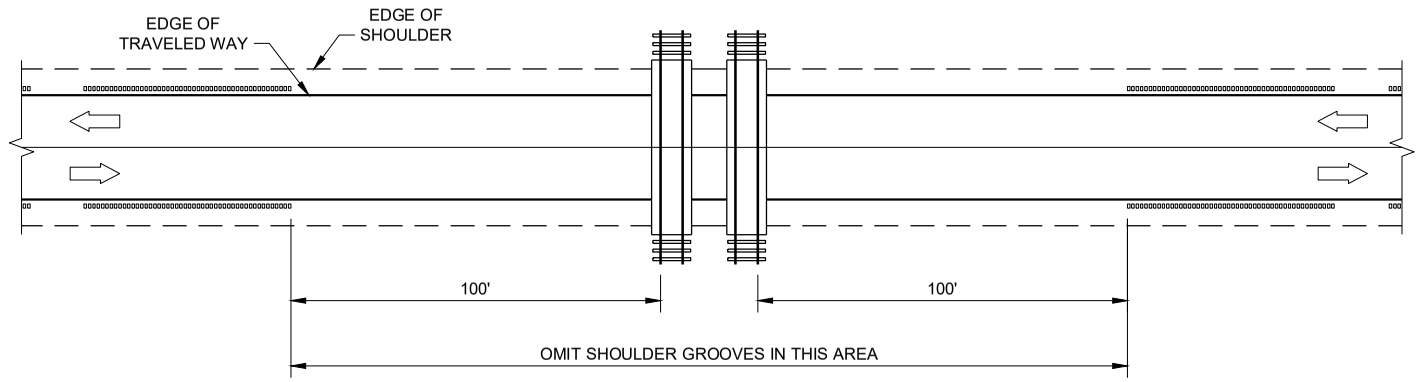
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 140

6

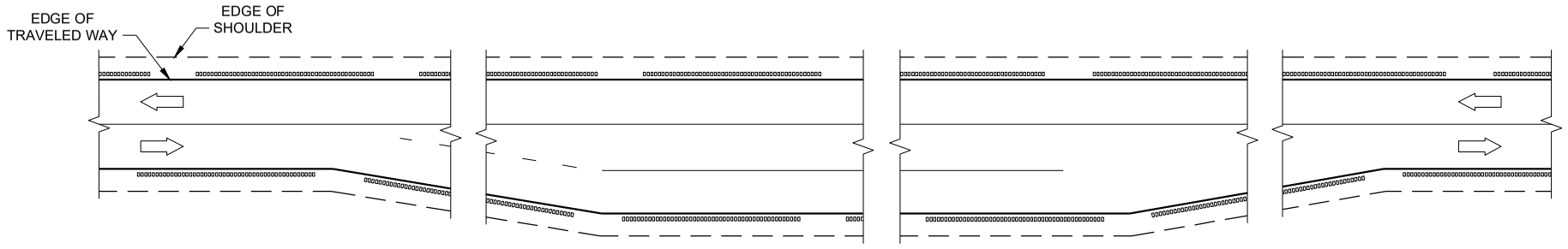
SDD 13A10 - 02c

6

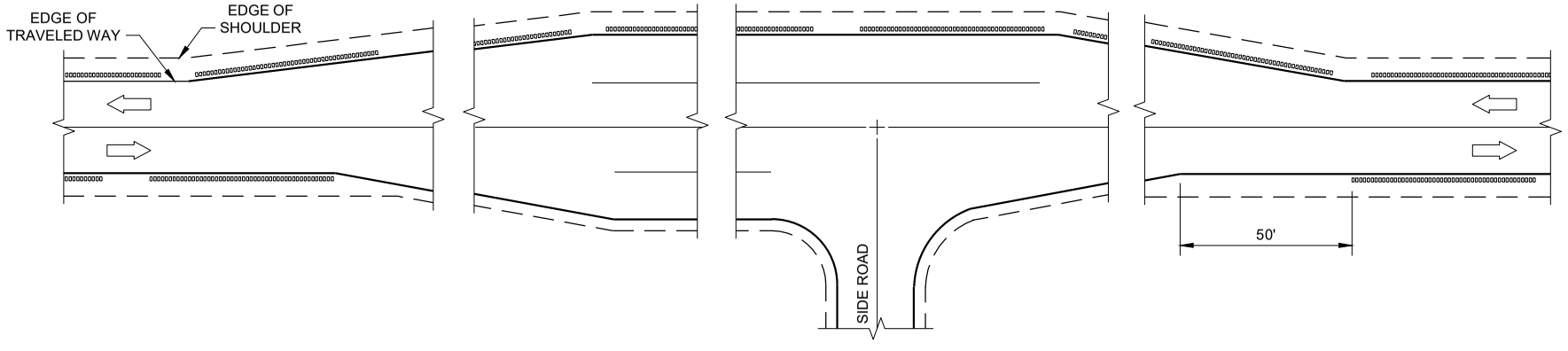
SDD 13A10 - 02c



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

6

6

SDD 13A10 - 02d

SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

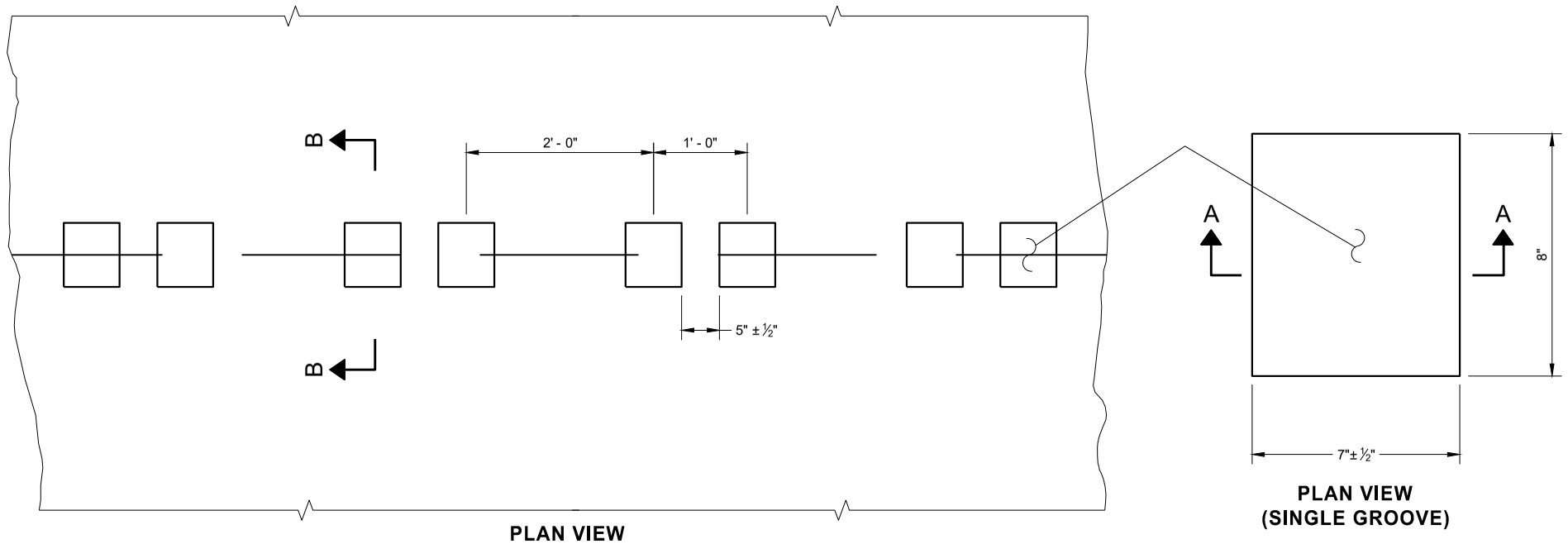
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

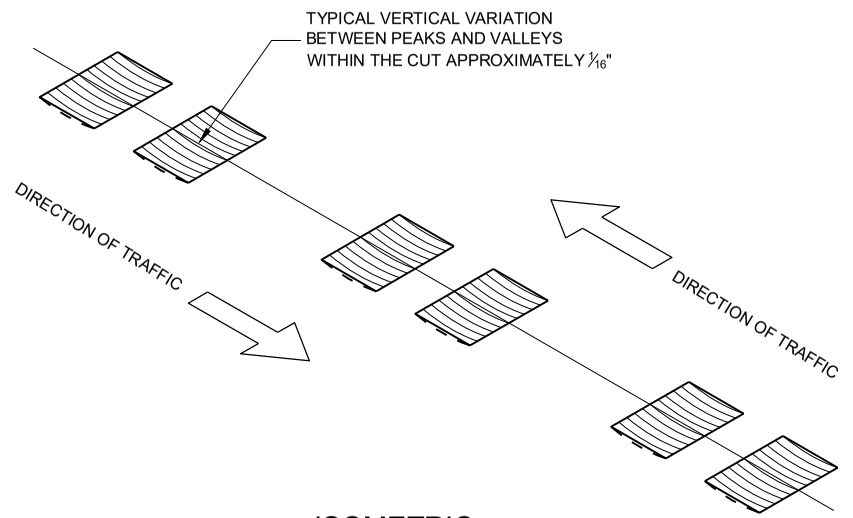
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

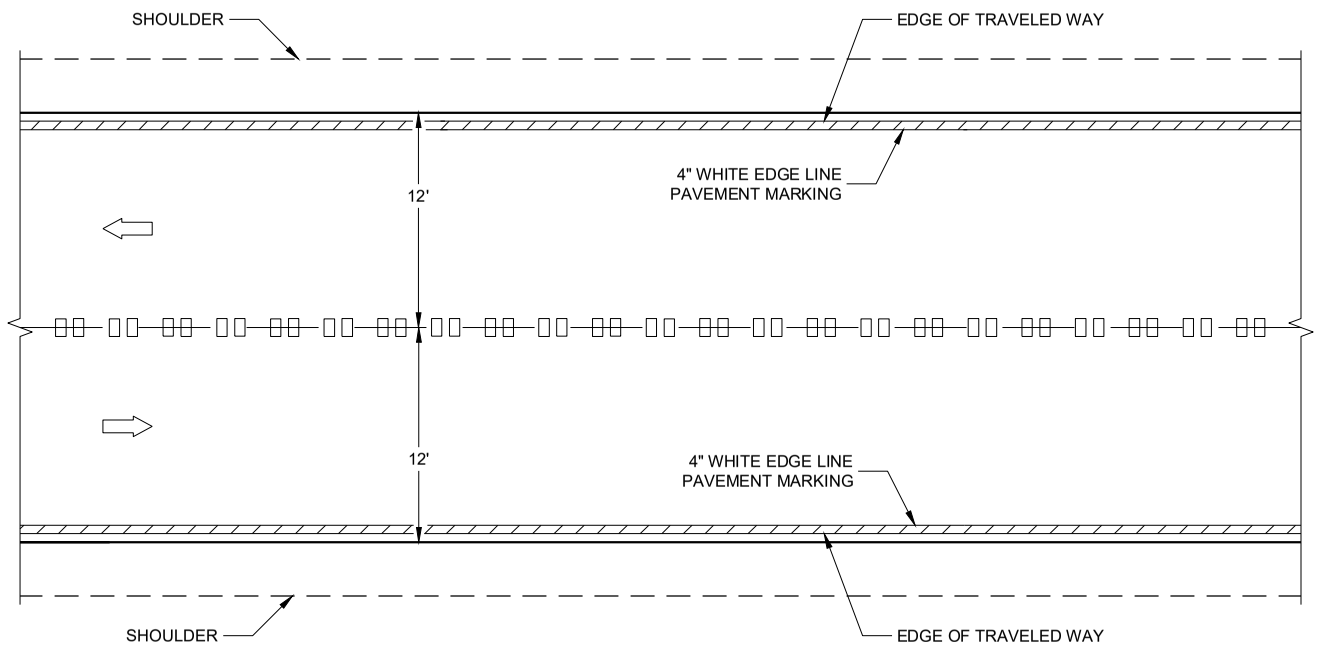
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

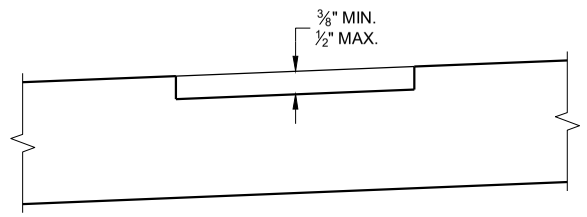
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



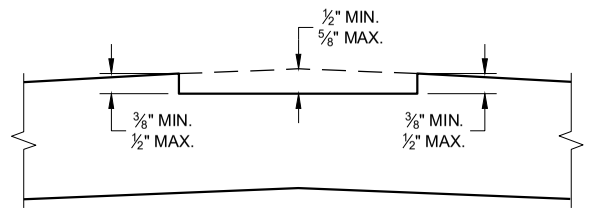
ISOMETRIC



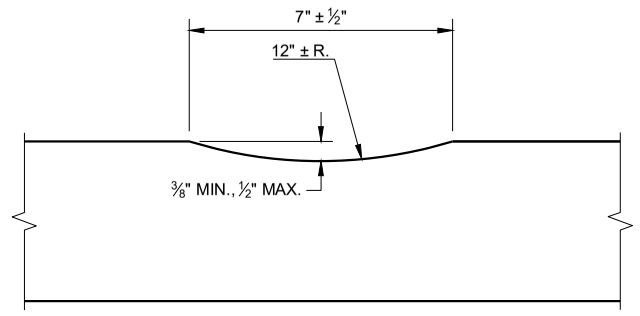
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



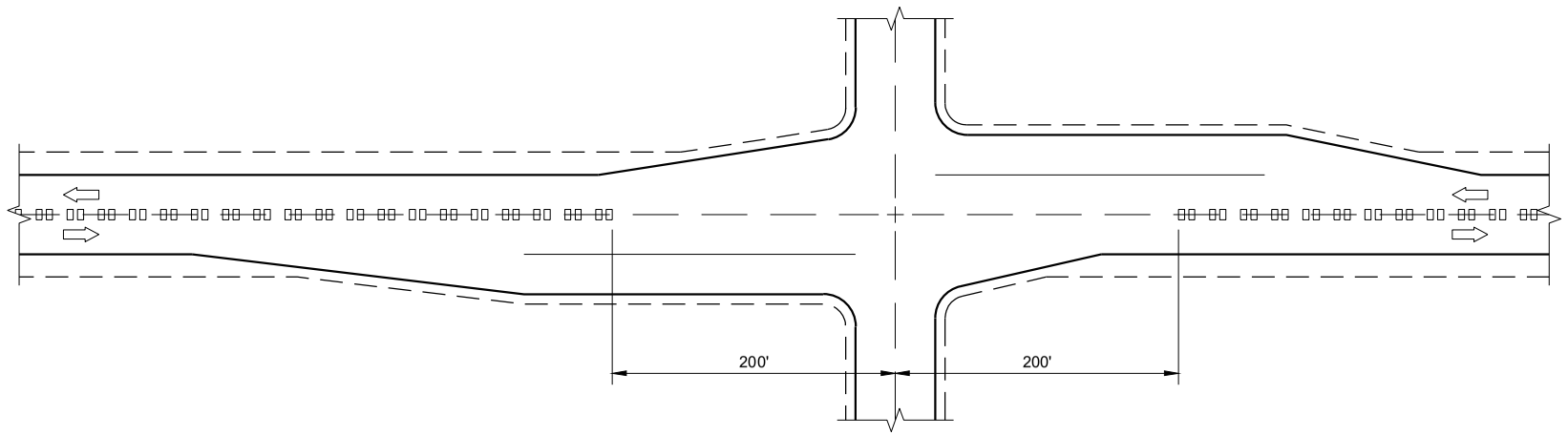
SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

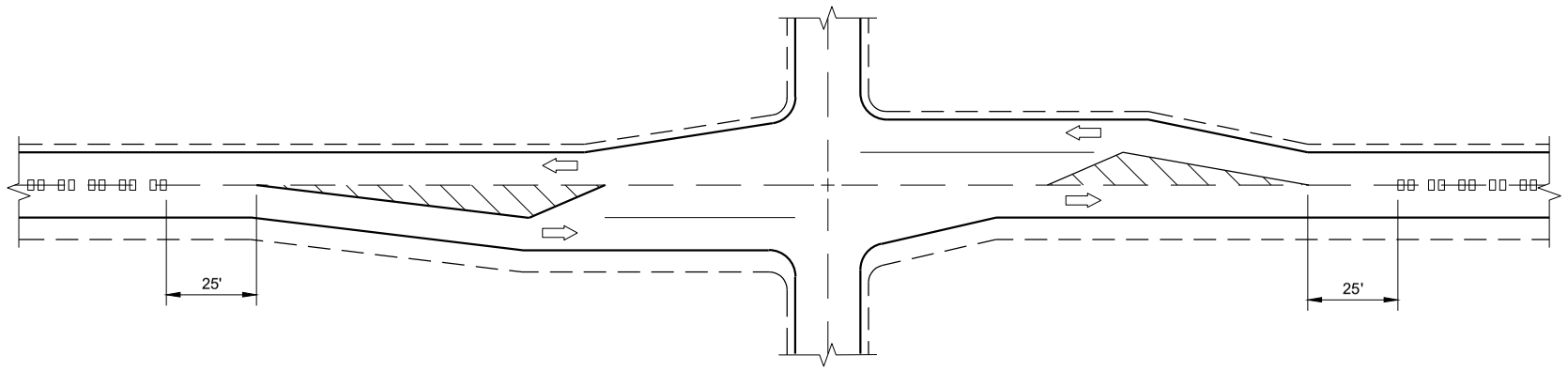
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 142

SDD 13A11 - 03a

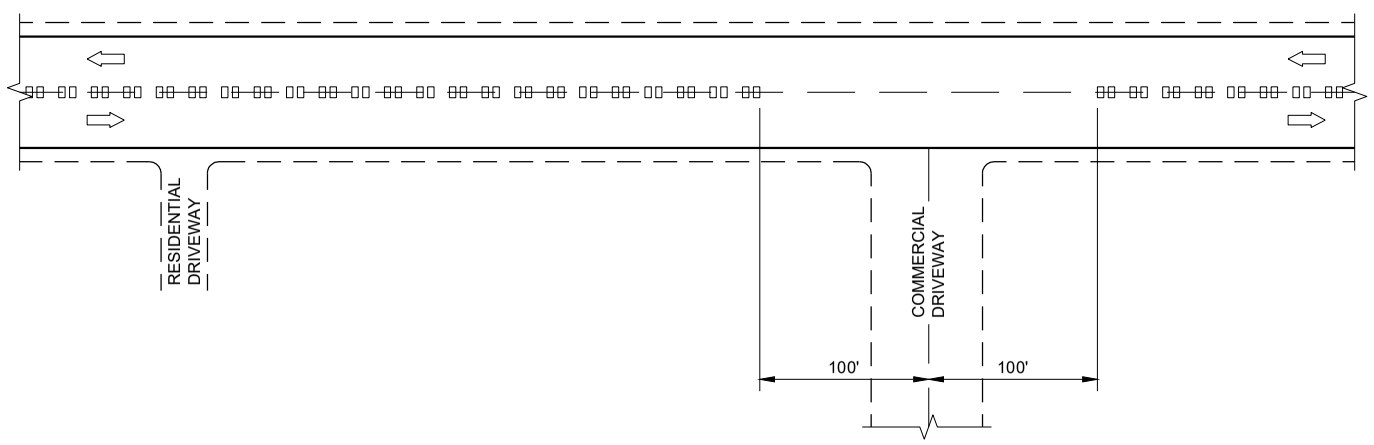
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



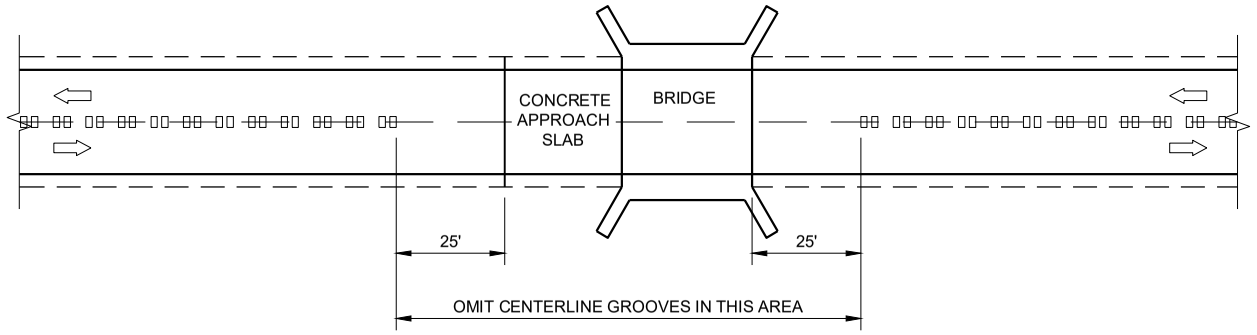
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



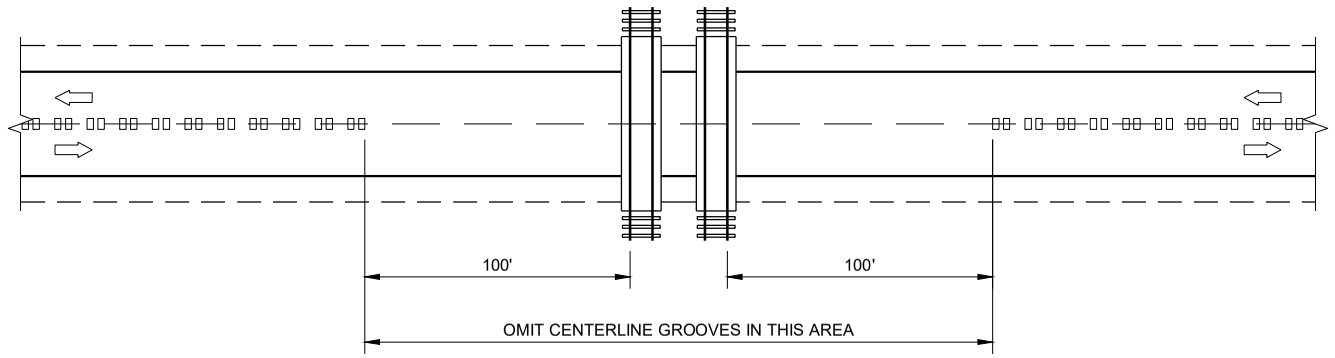
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

2-LANE RURAL
CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

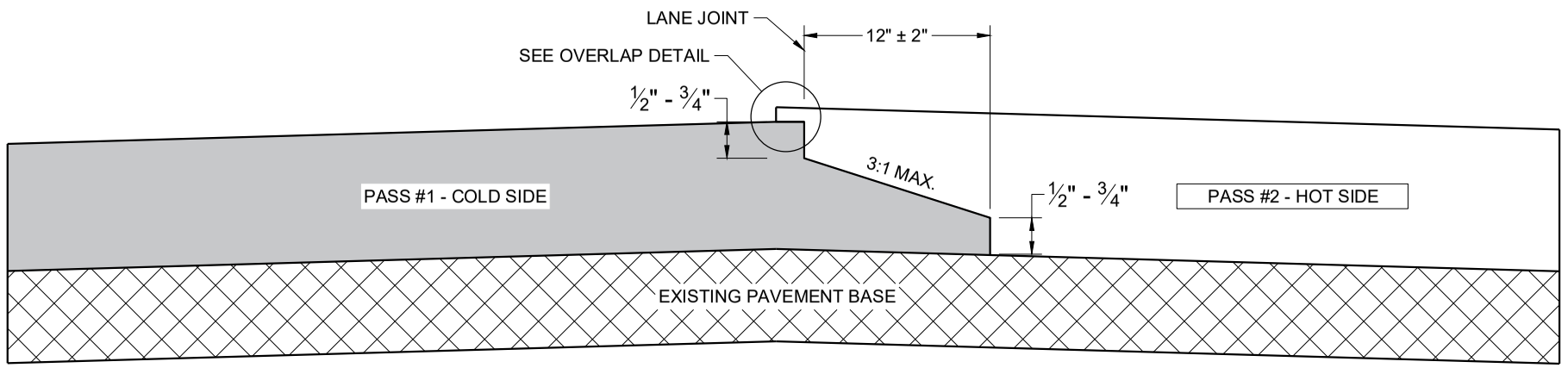
FHWA

6

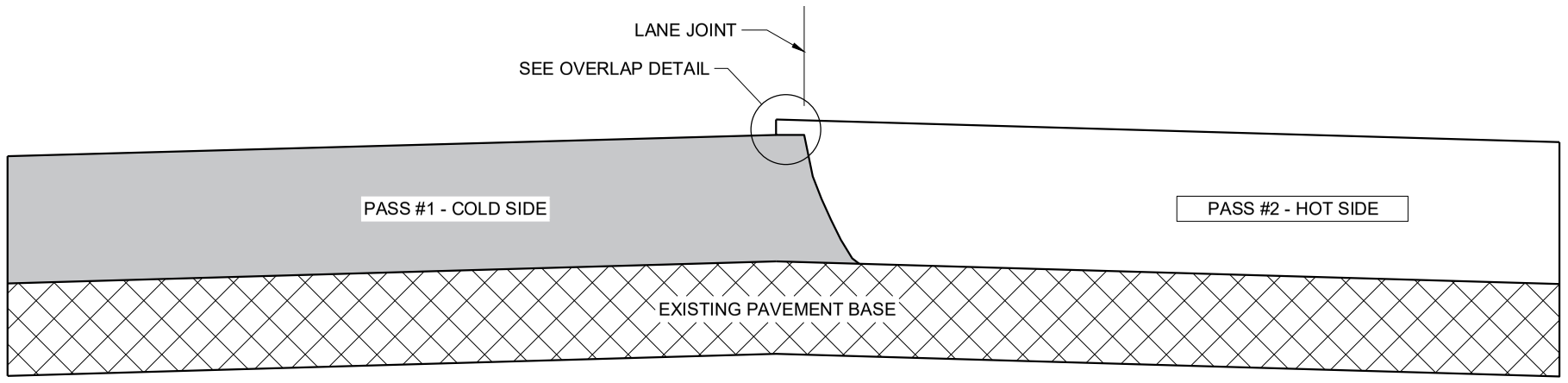
SDD 13A11 - 03b

6

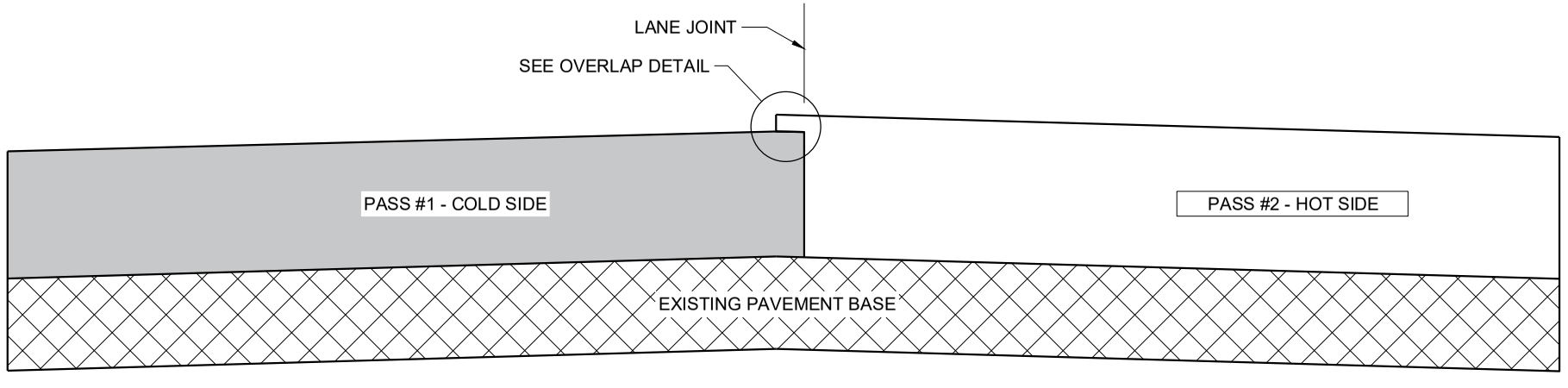
SDD13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

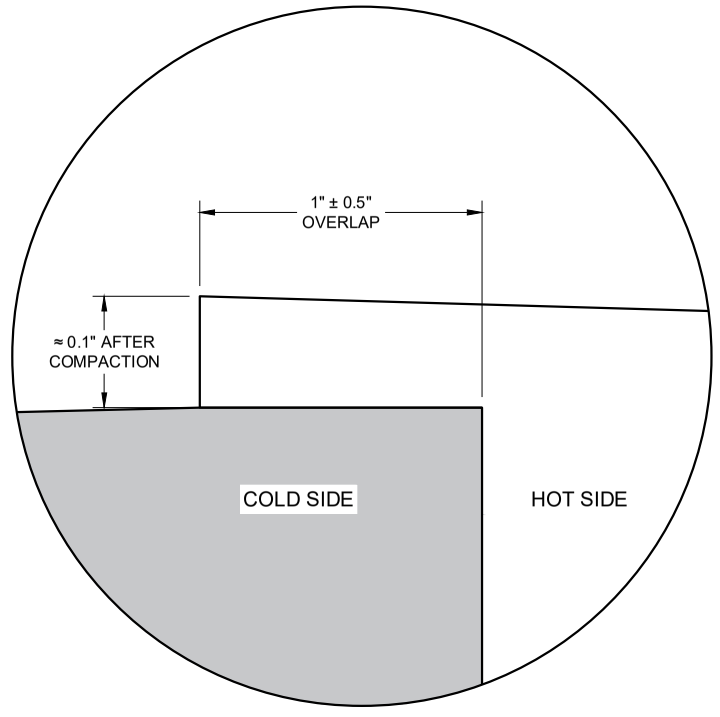
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

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.



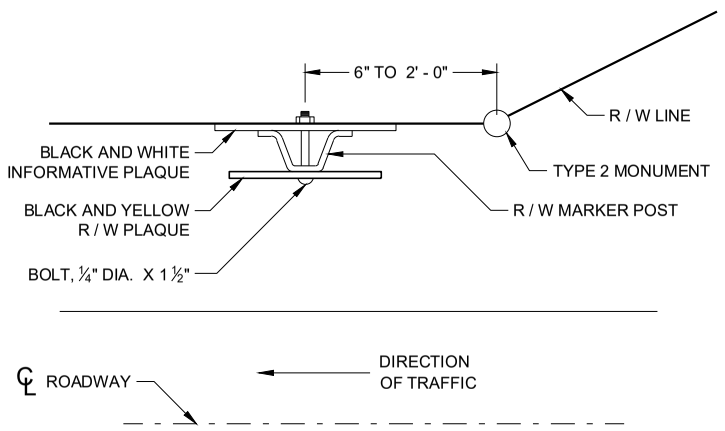
OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGIN

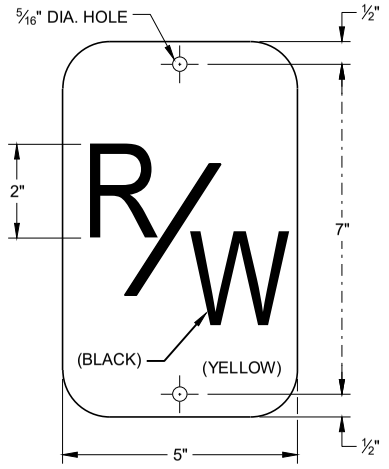
FHWA

6

SDD 13C19 - 03

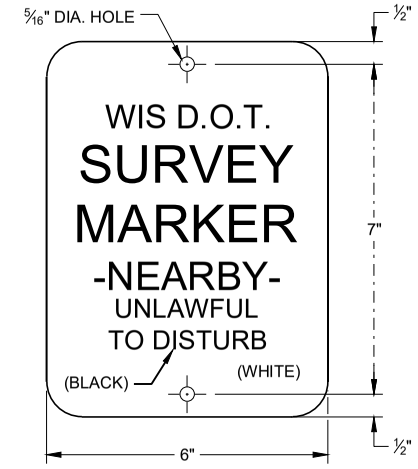


PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

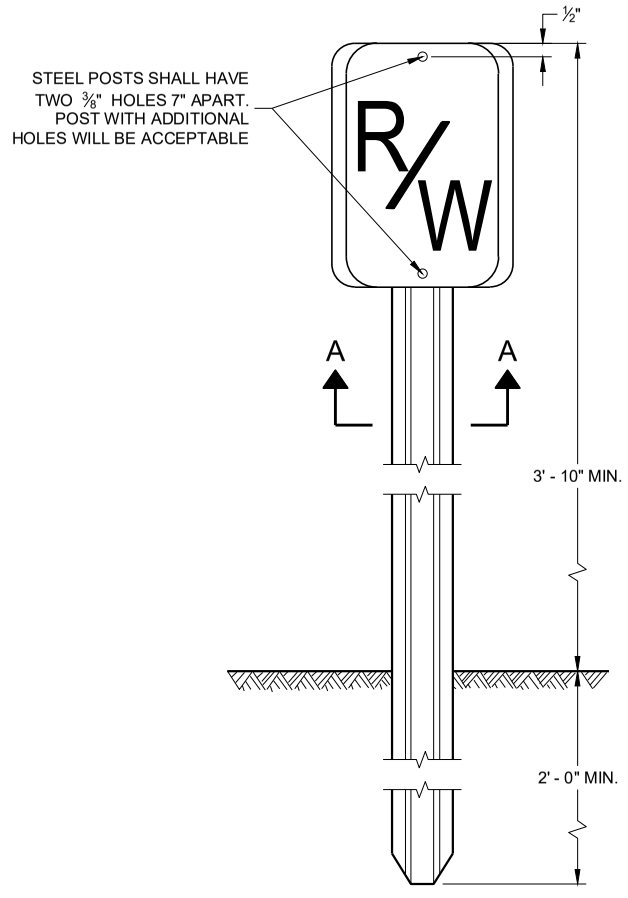
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

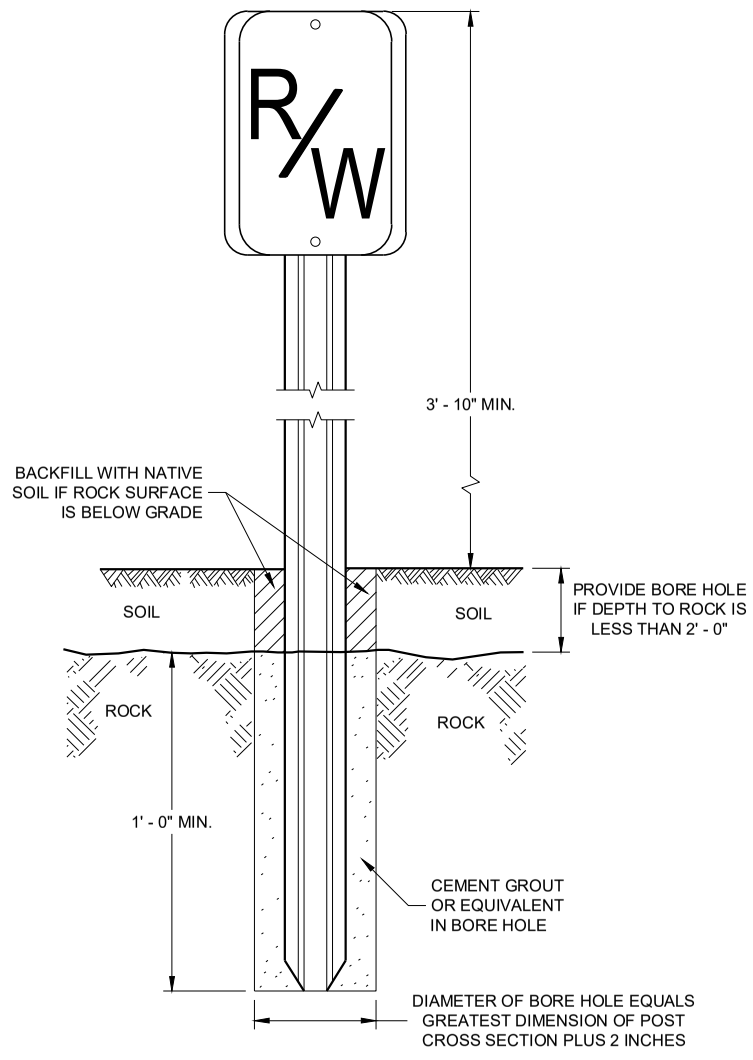
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

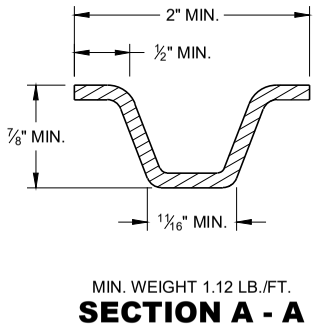
(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



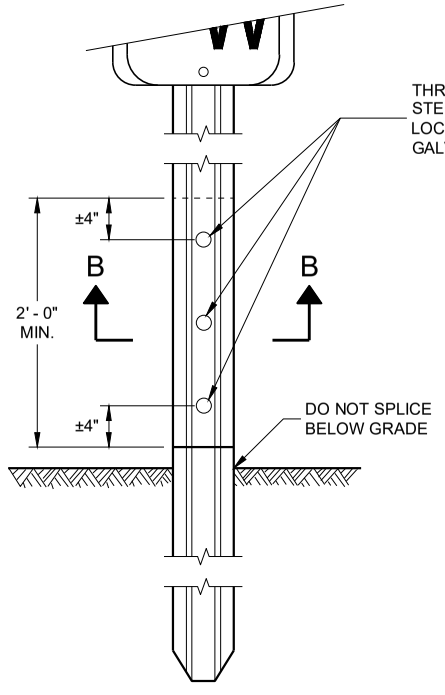
FRONT VIEW
STEEL MARKER POST



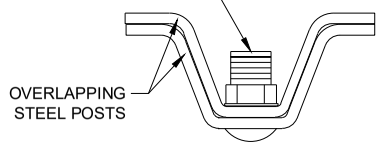
FRONT VIEW
ROCK INSTALLATION (1)



MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



FRONT VIEW
SPLICE DETAIL



SECTION B - B

MARKER POST FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

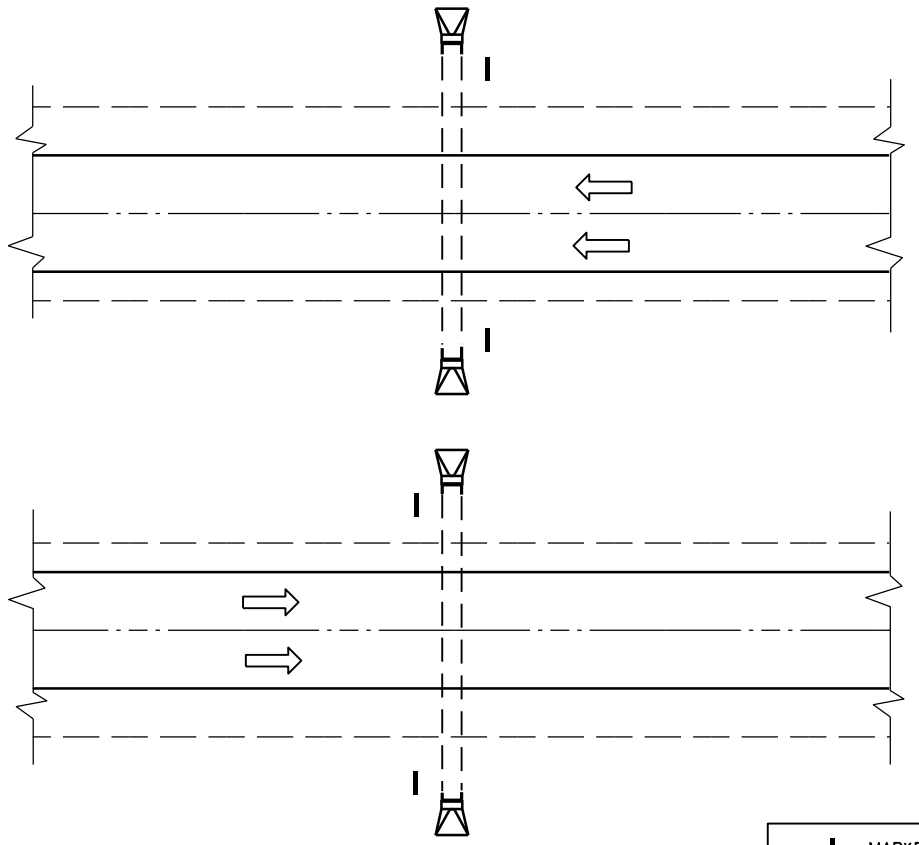
APPROVED
2/18/2016 — DATE
/S/ Ray Kumapayi — CHIEF SURVEYING AND MA ENGINEER
FHWA

6

SDD 15A01 - 13a

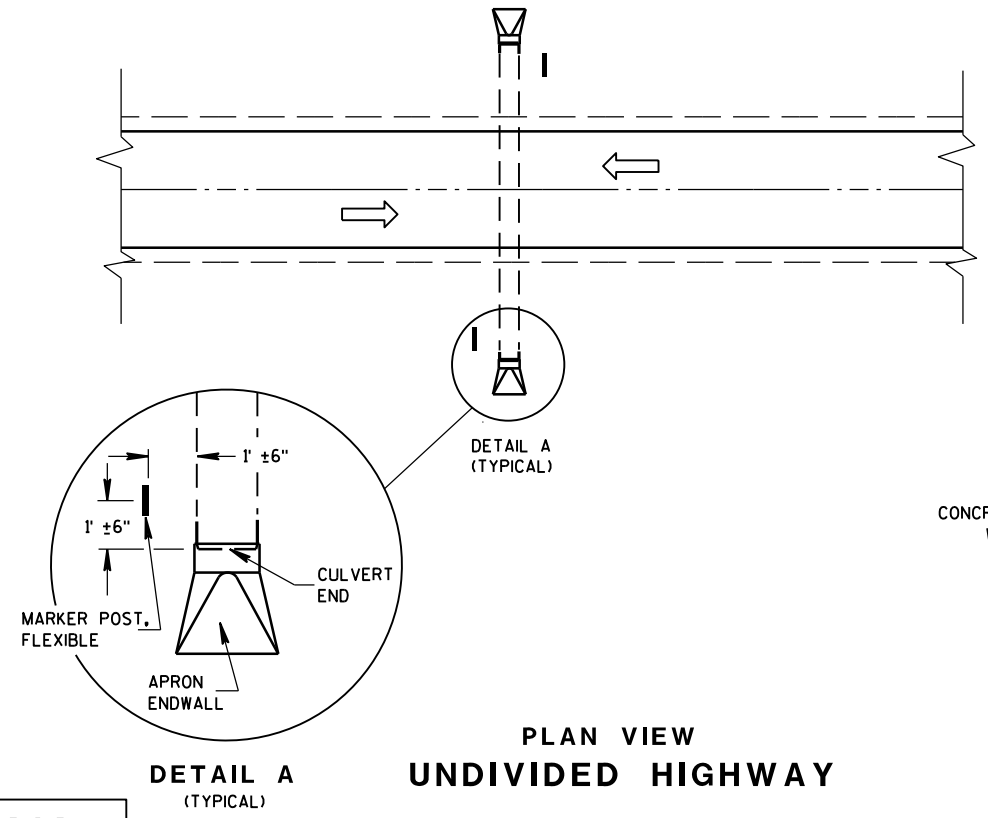
6

SDD 15A01 - 13a



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

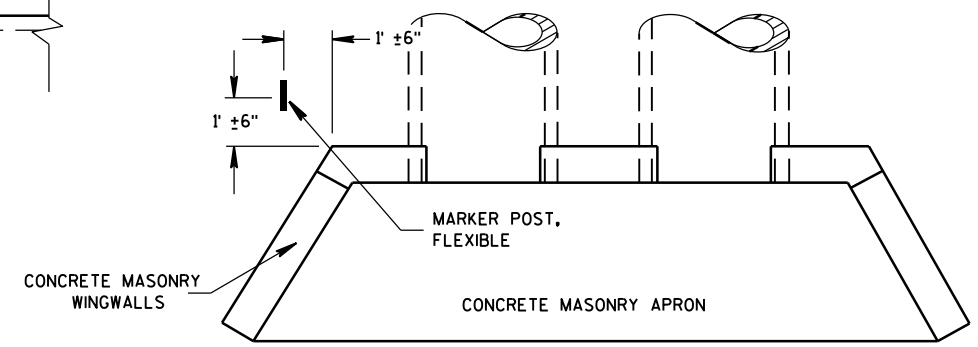
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

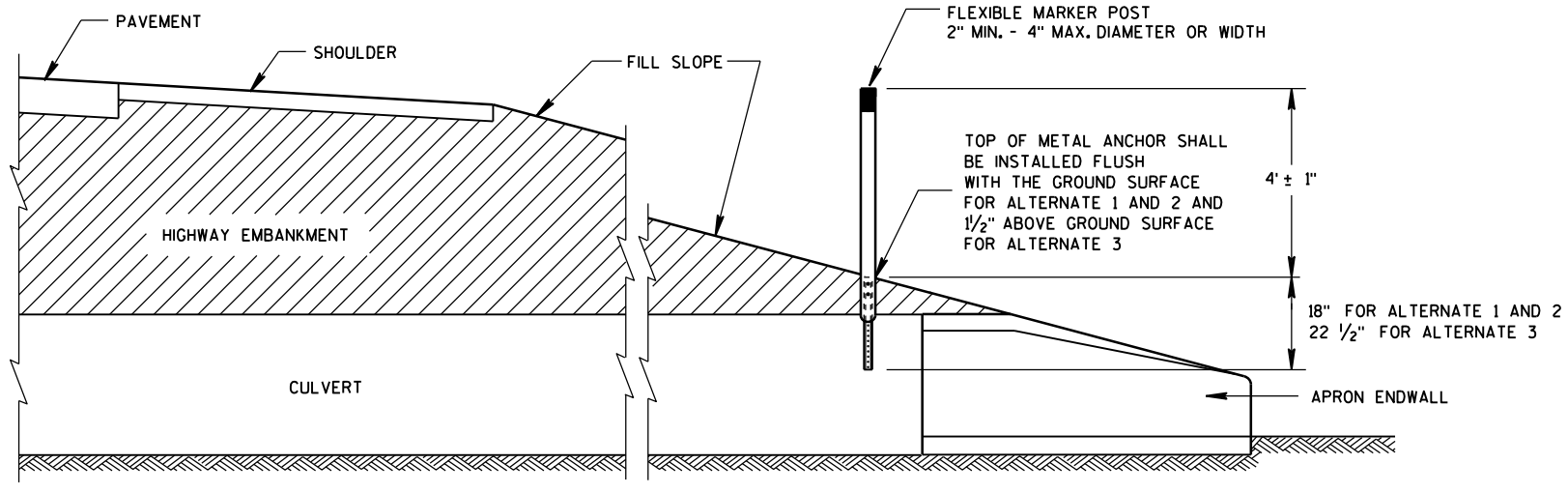
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

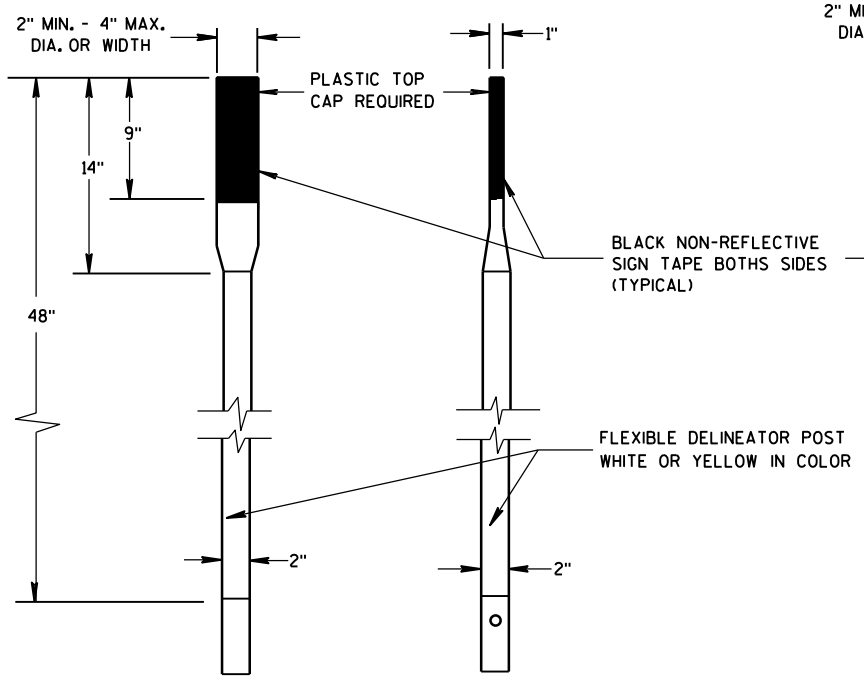
FLEXIBLE MARKER POST

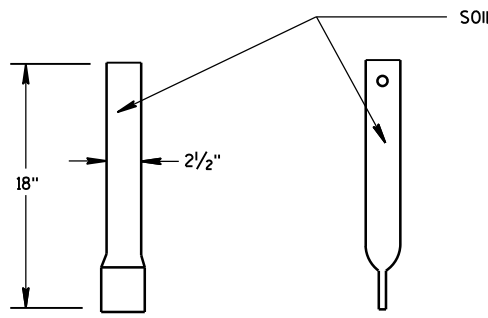
FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

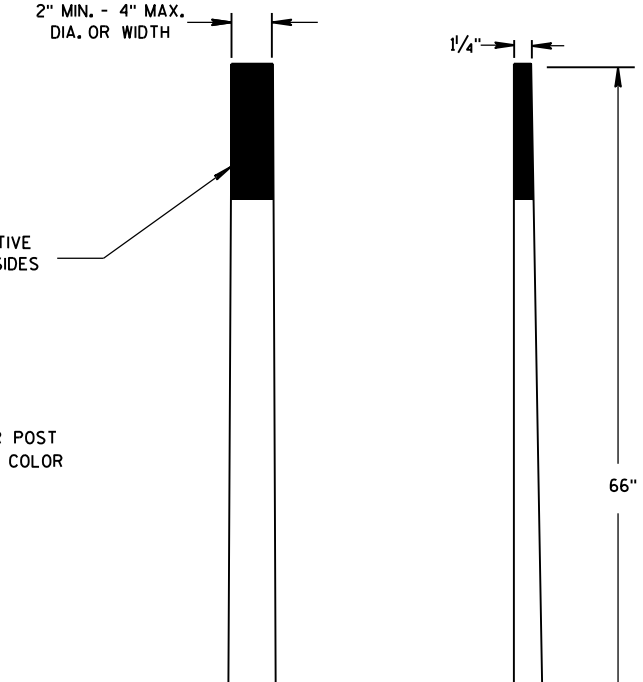
S.D.D. 15 A 3-2a





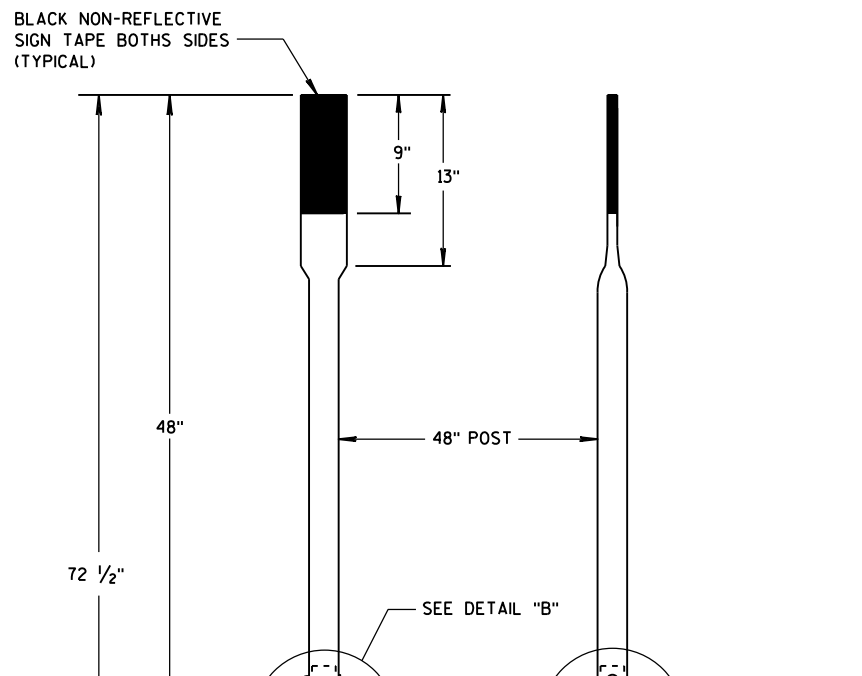
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

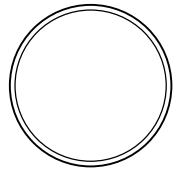
ALTERNATE 2



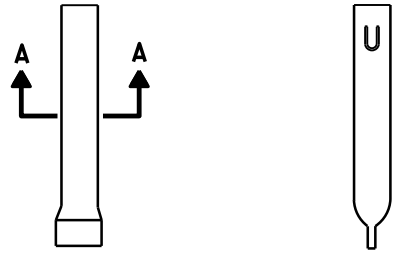
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

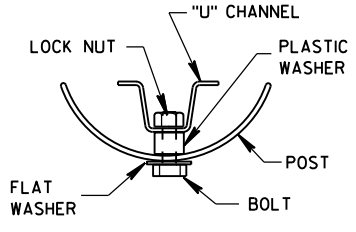


SECTION A-A

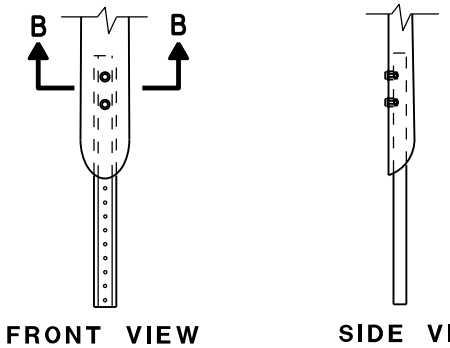


FRONT VIEW SIDE VIEW

ALTERNATE 1

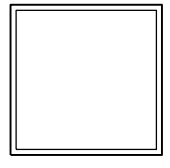


SECTION B-B

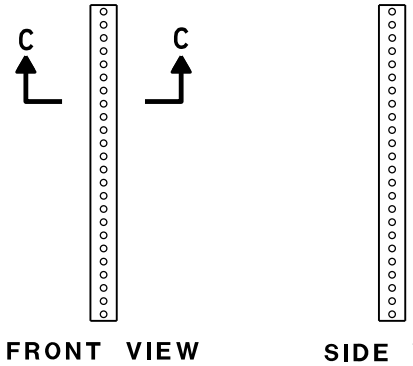


FRONT VIEW SIDE VIEW

ALTERNATE 2



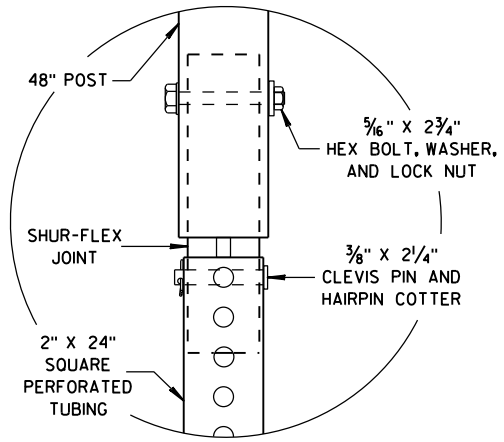
SECTION C-C



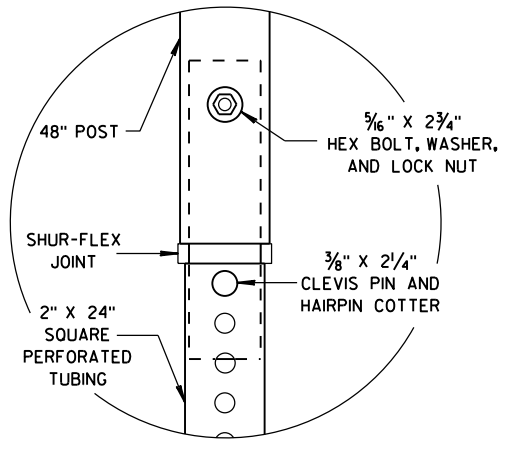
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

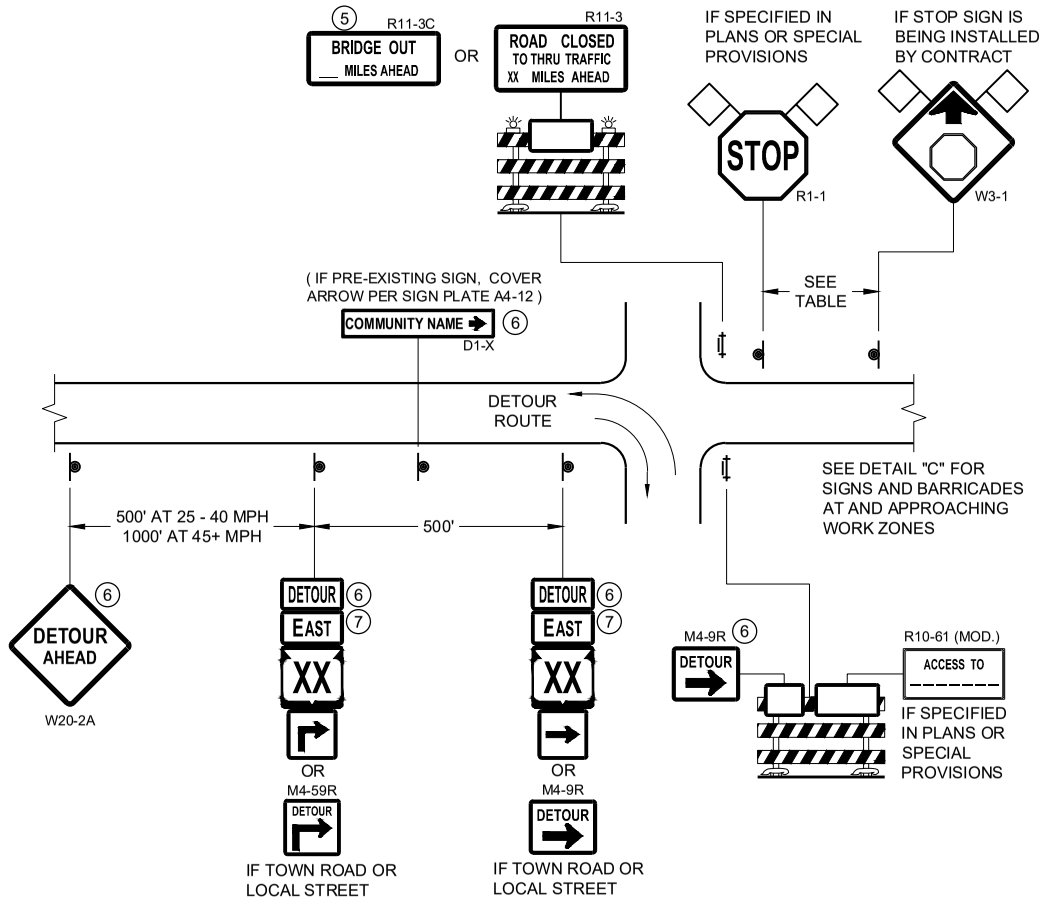
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

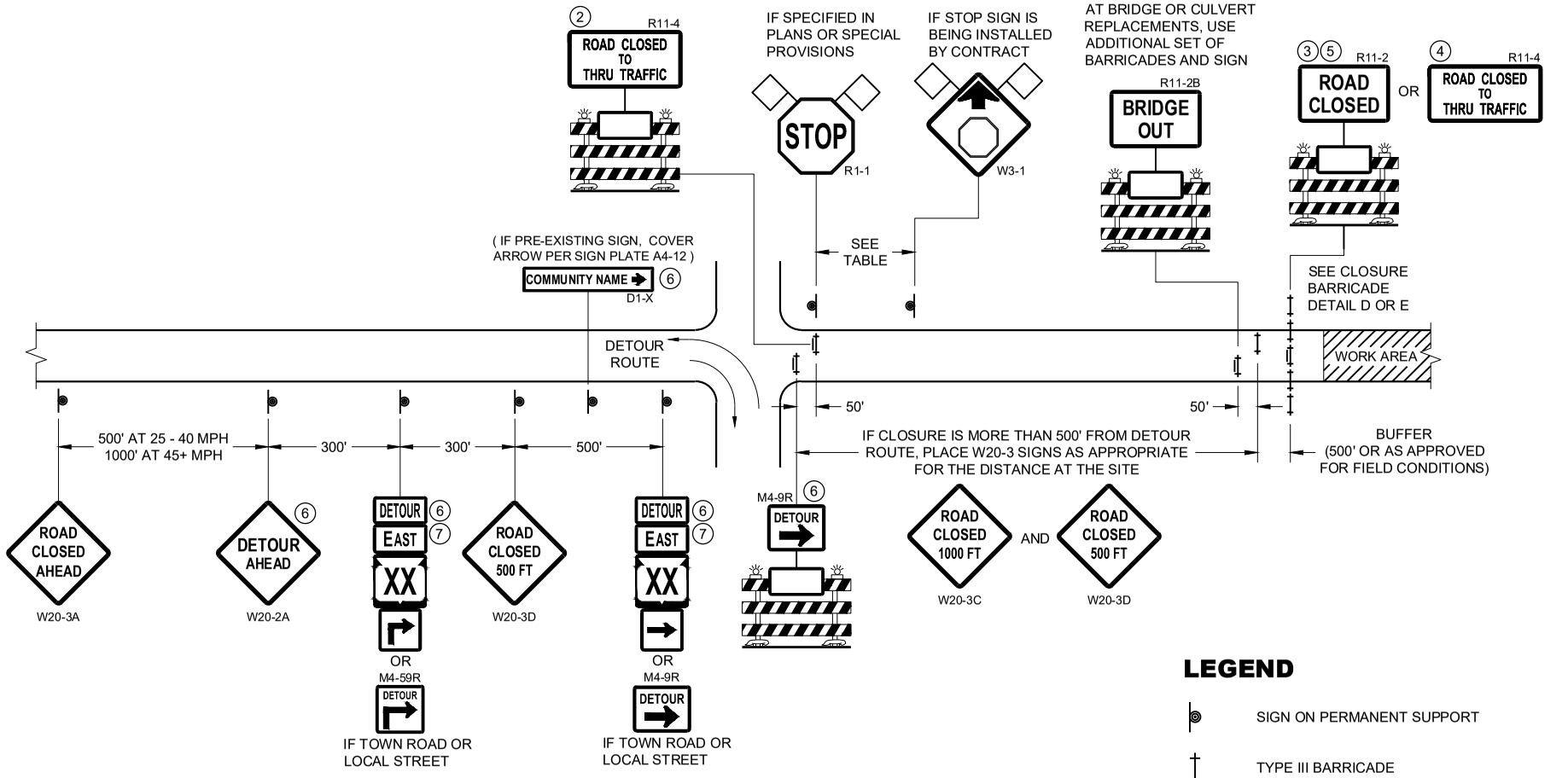
6

S.D.D. 15 A 3-2b



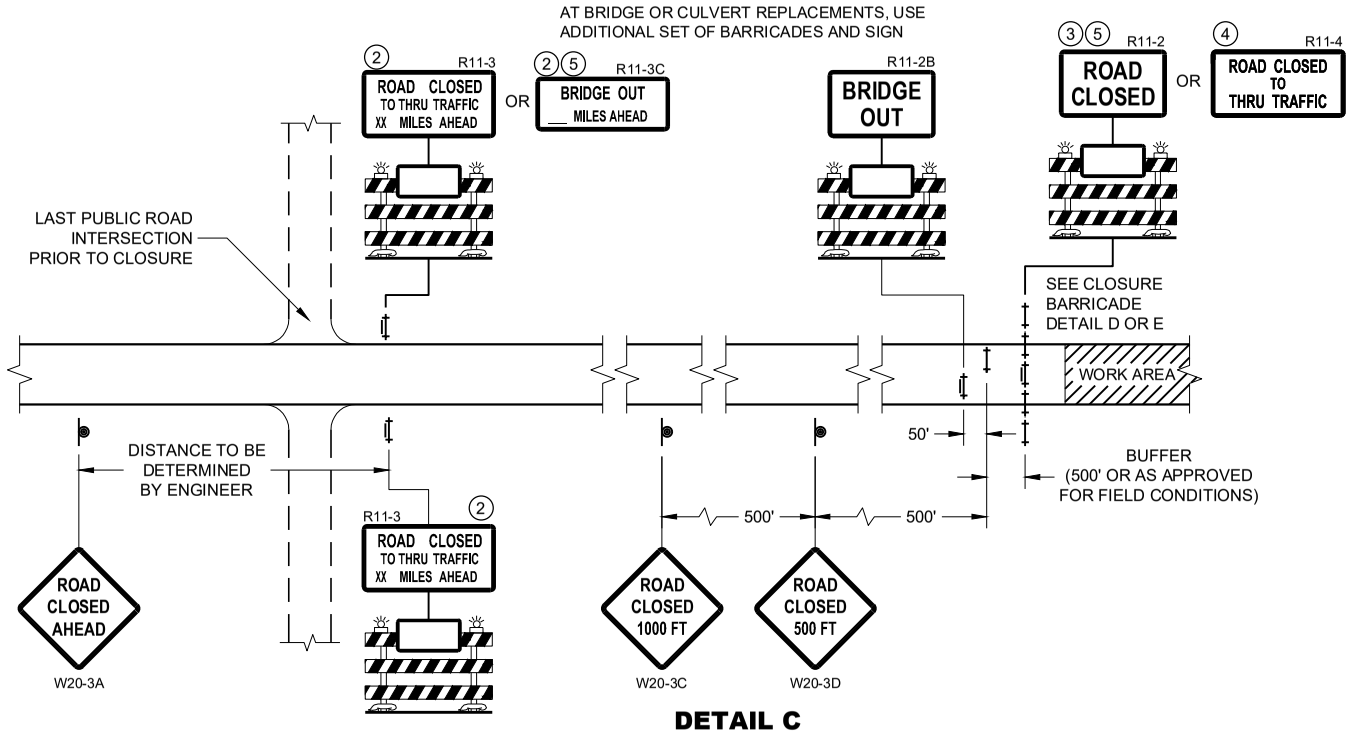
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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)



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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

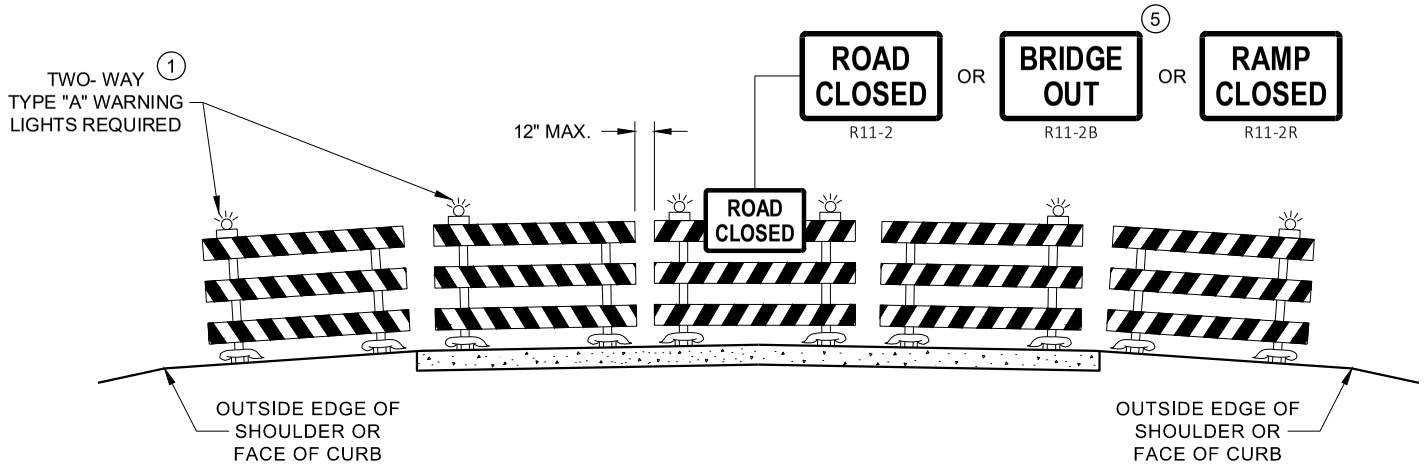
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

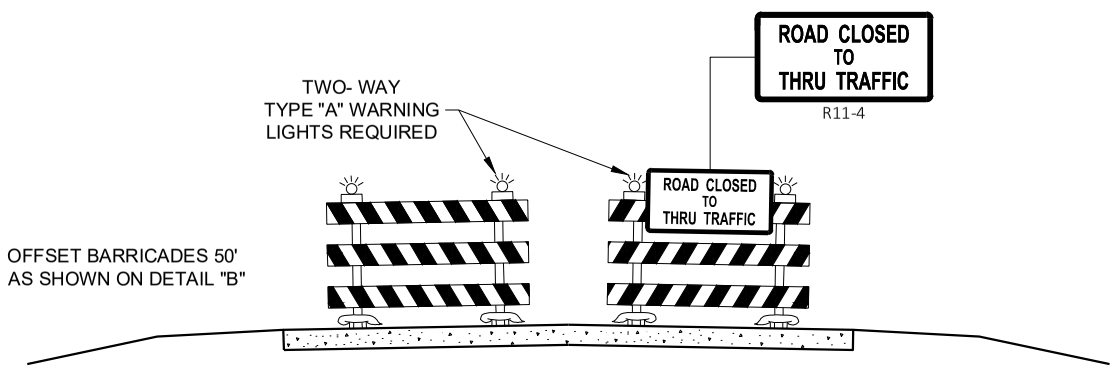
FHWA

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 ENGINEER
FHWA

6

SDD 15C02 - 08b

6

SDD 15C02 - 08b

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.

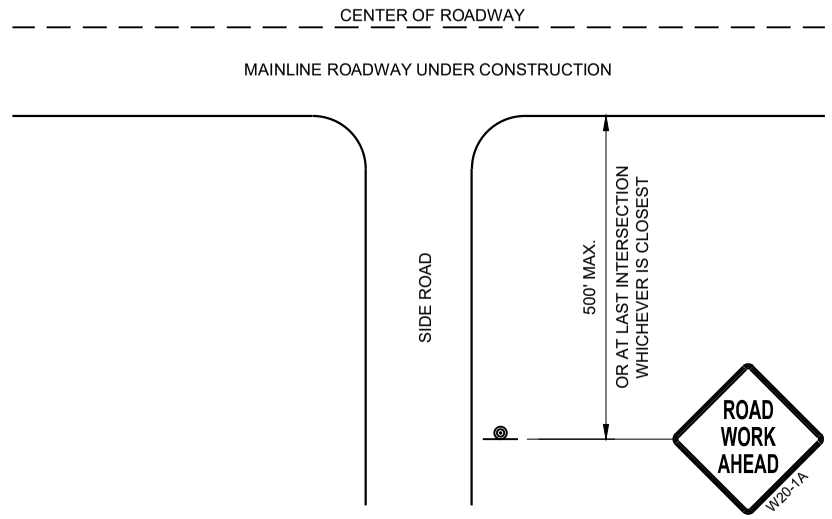
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



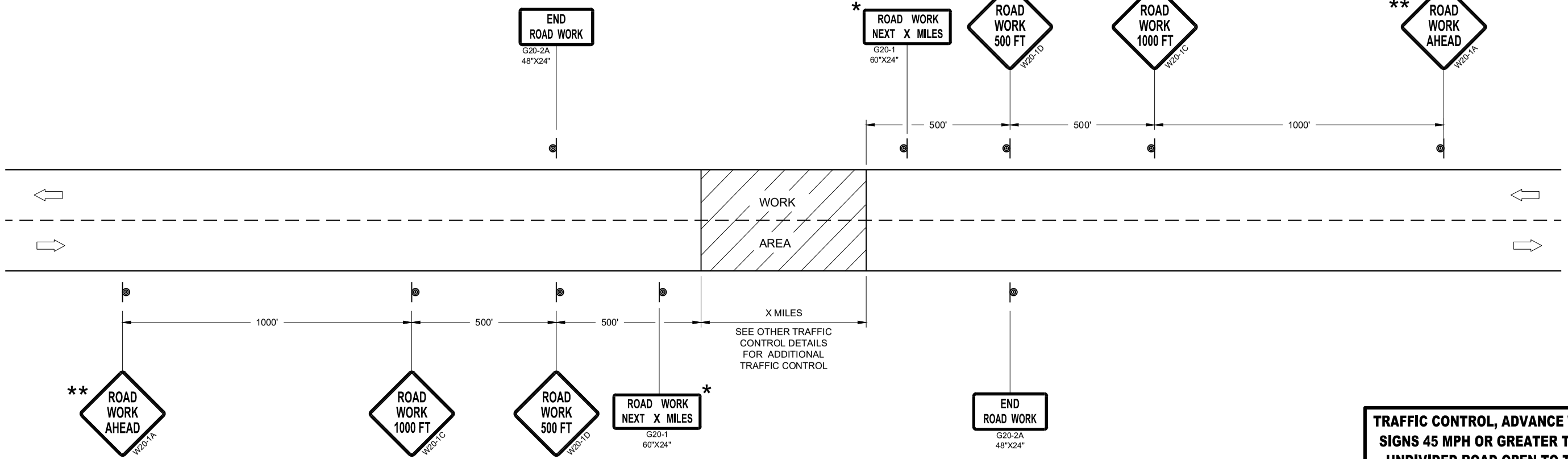
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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 TRAFFIC

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.

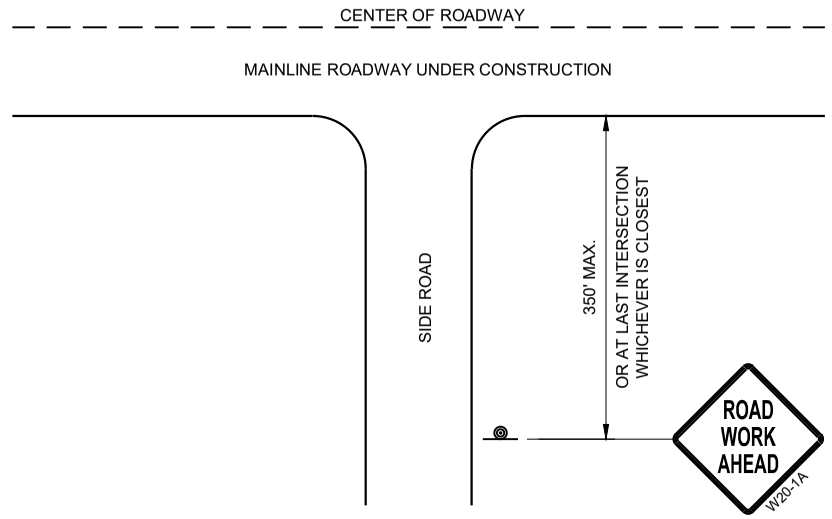
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



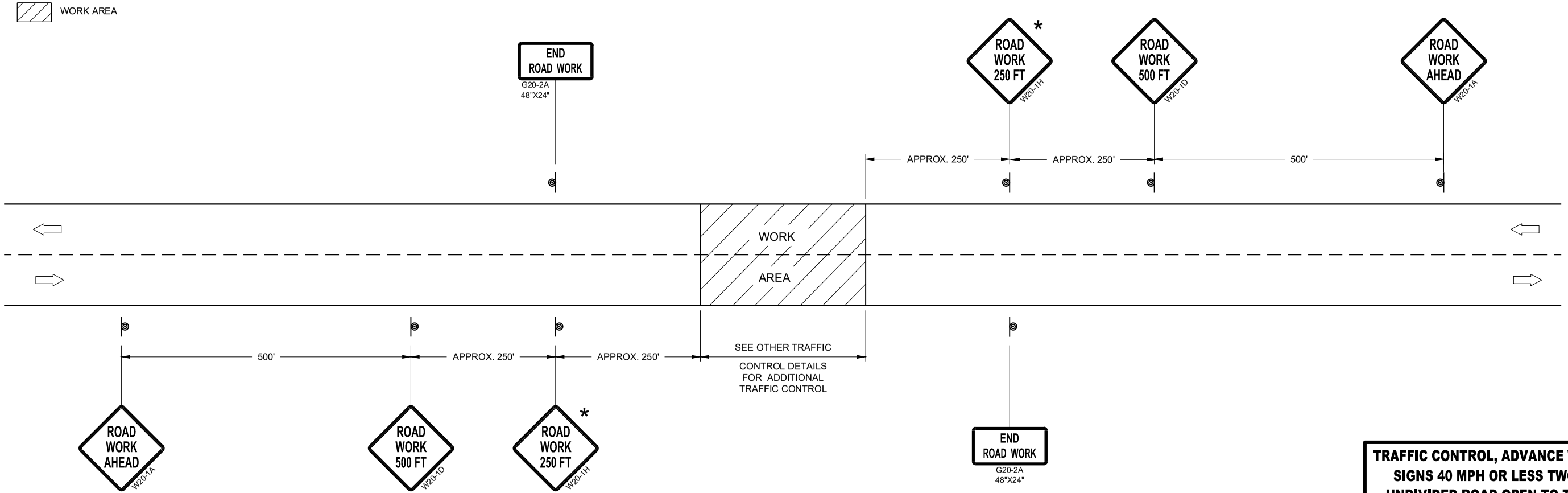
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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 TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C05 - 05

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

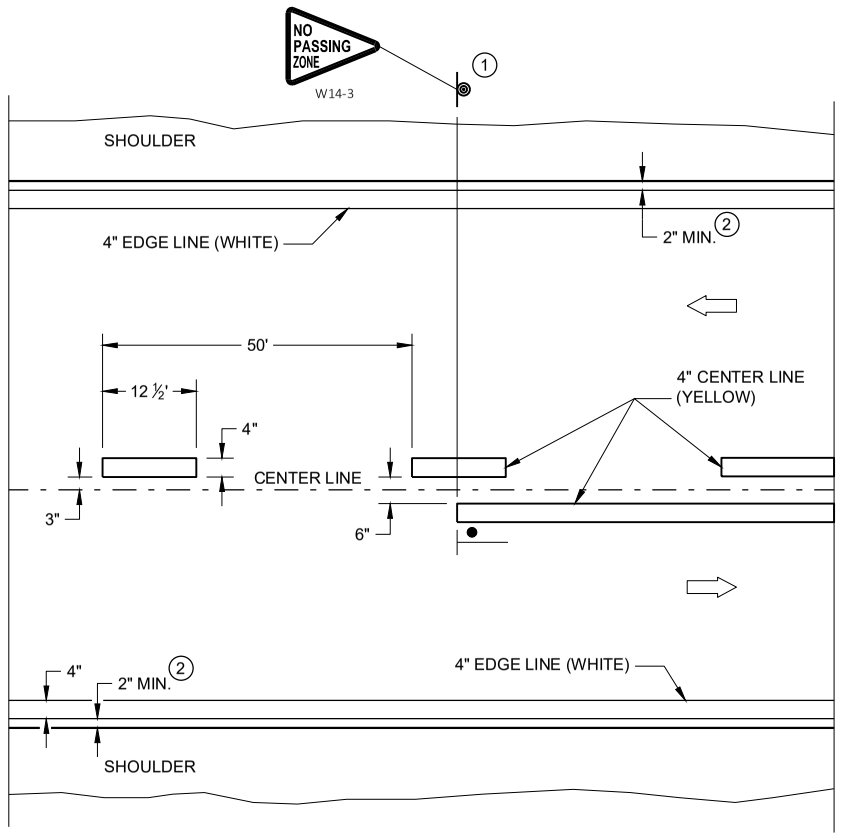
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

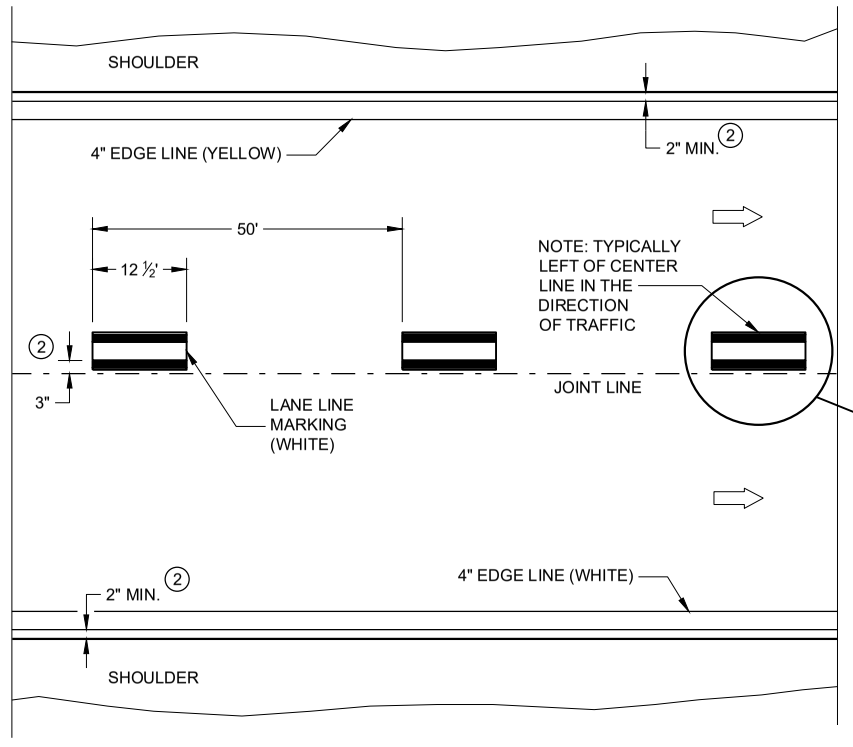
"T" MARKING

SIGN ON PERMANENT SUPPORT

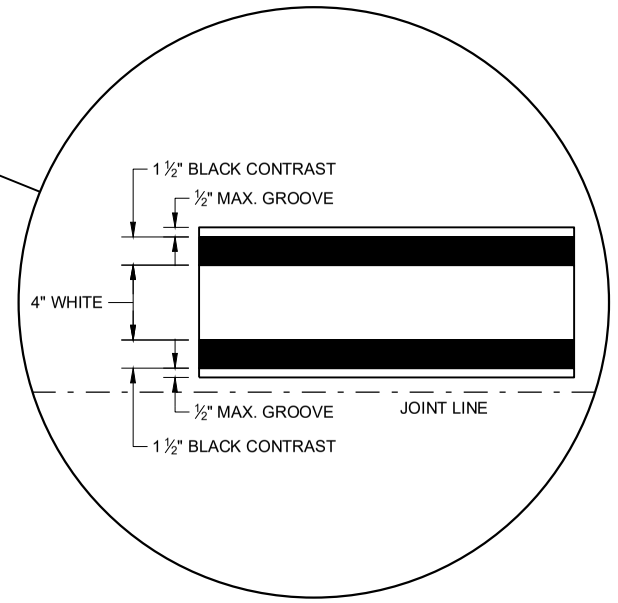
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

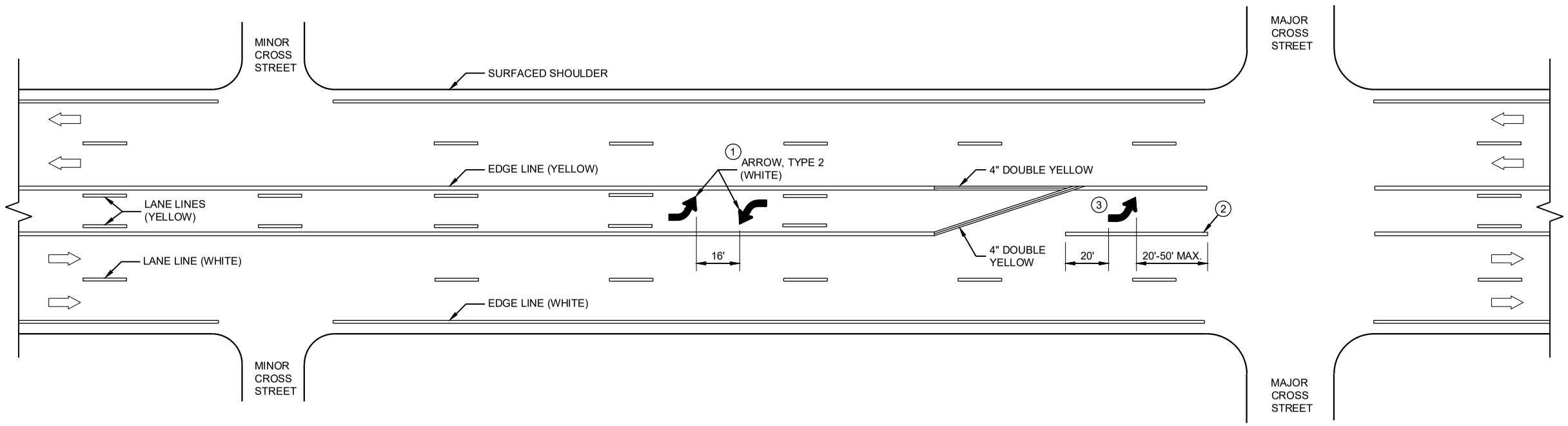
SDD 15C08 - 21a

SDD 15C08 - 21a

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

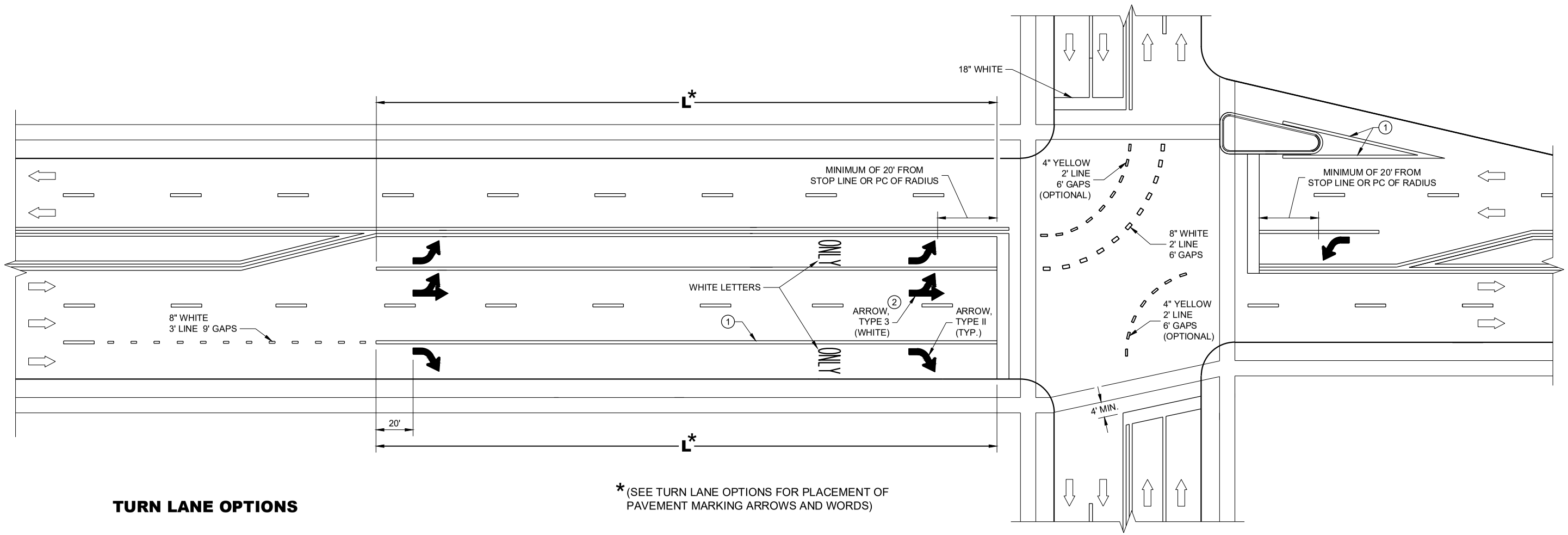
6

SDD 15C08 - 21c

SDD 15C08 - 21c

PAVEMENT MARKING (TURN LANES)

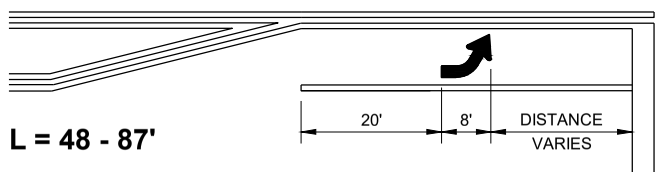
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



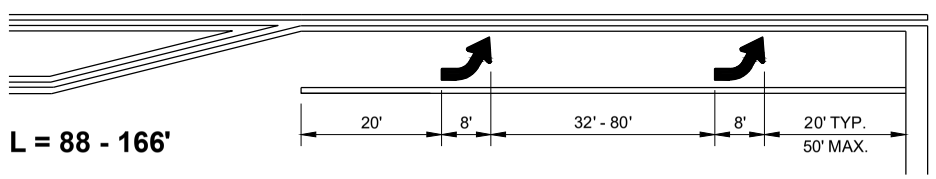
*(SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

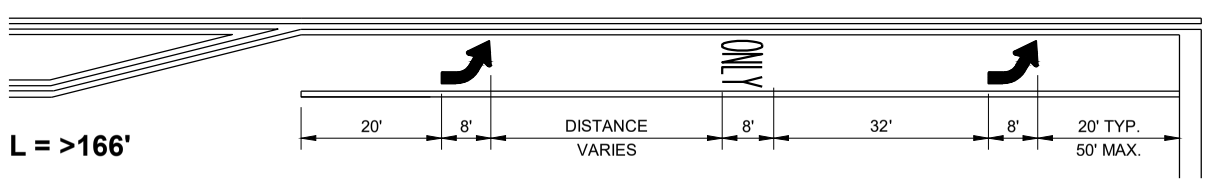
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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)

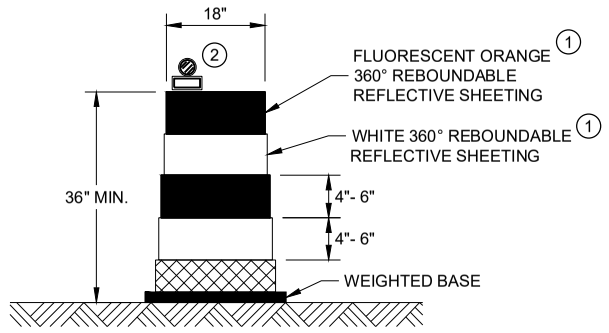
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 154

6

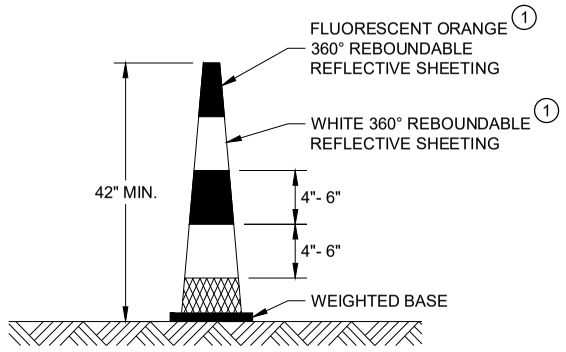
SDD 15C08 - 21d

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.

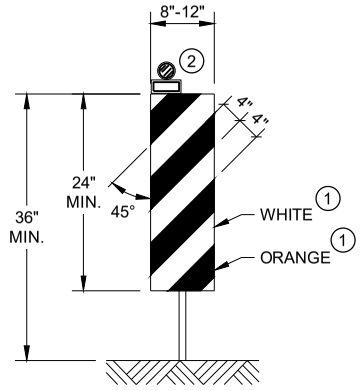


DRUM



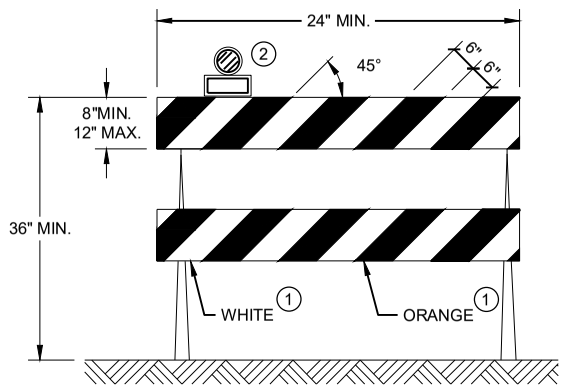
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



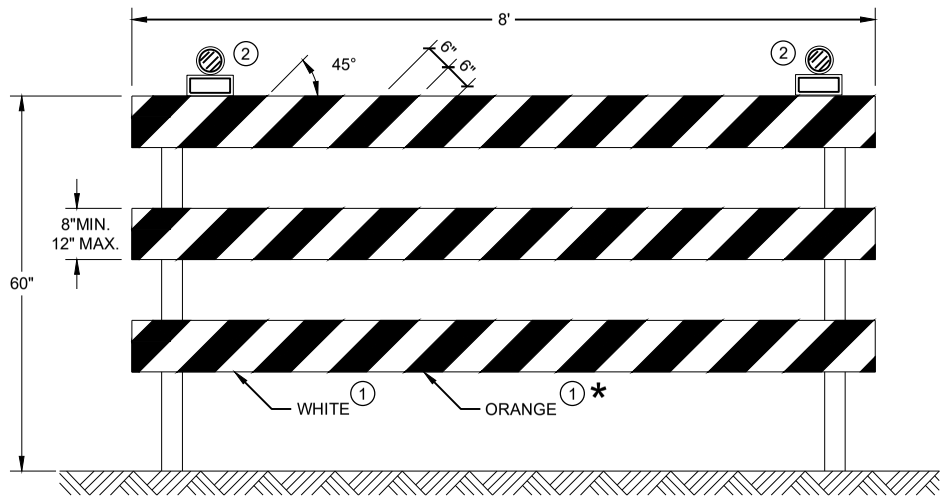
VERTICAL PANEL

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
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

6

SDD 15C11 - 09b

6

SDD 15C11 - 09b

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

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.

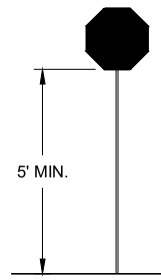
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM 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.



STOP/SLOW PADDLE ON SUPPORT STAFF

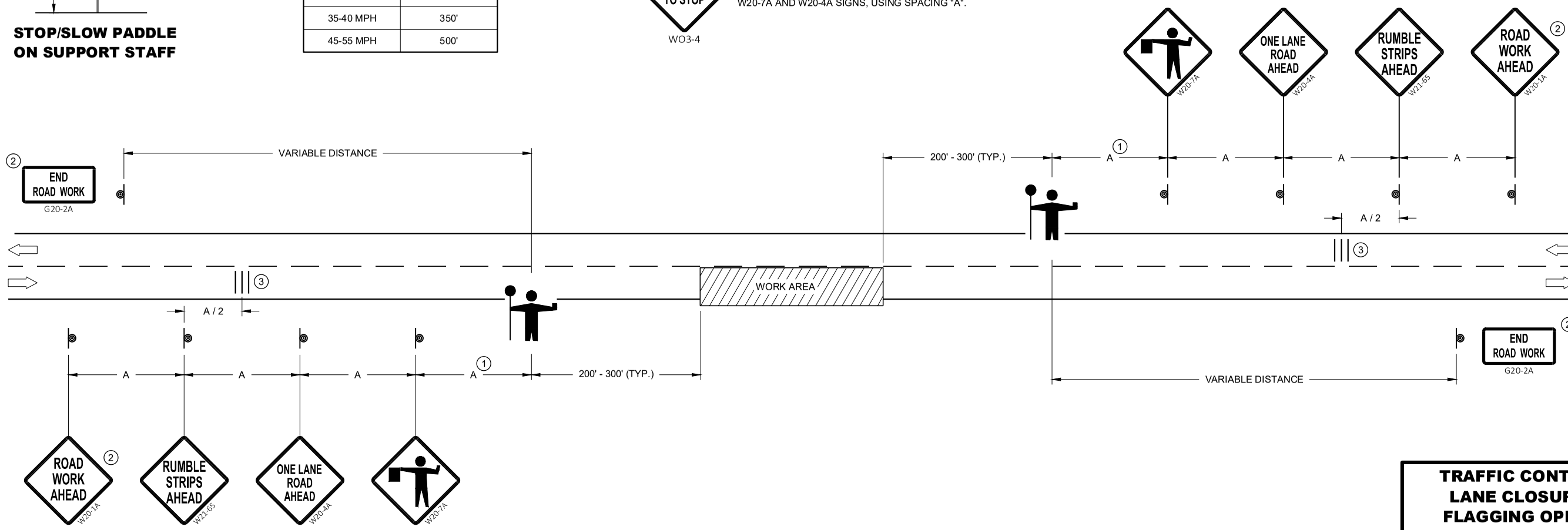
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 09a

6

SDD15C12 - 09a

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.

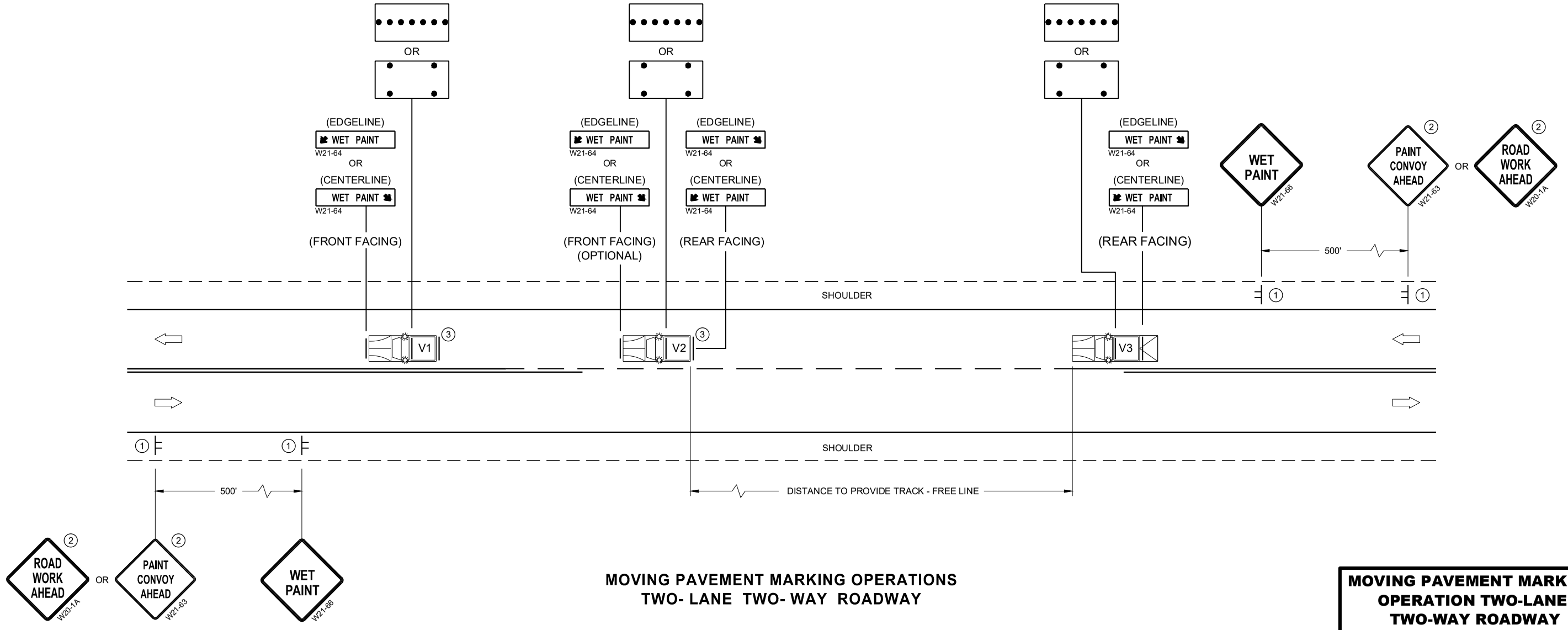
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" 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.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



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
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

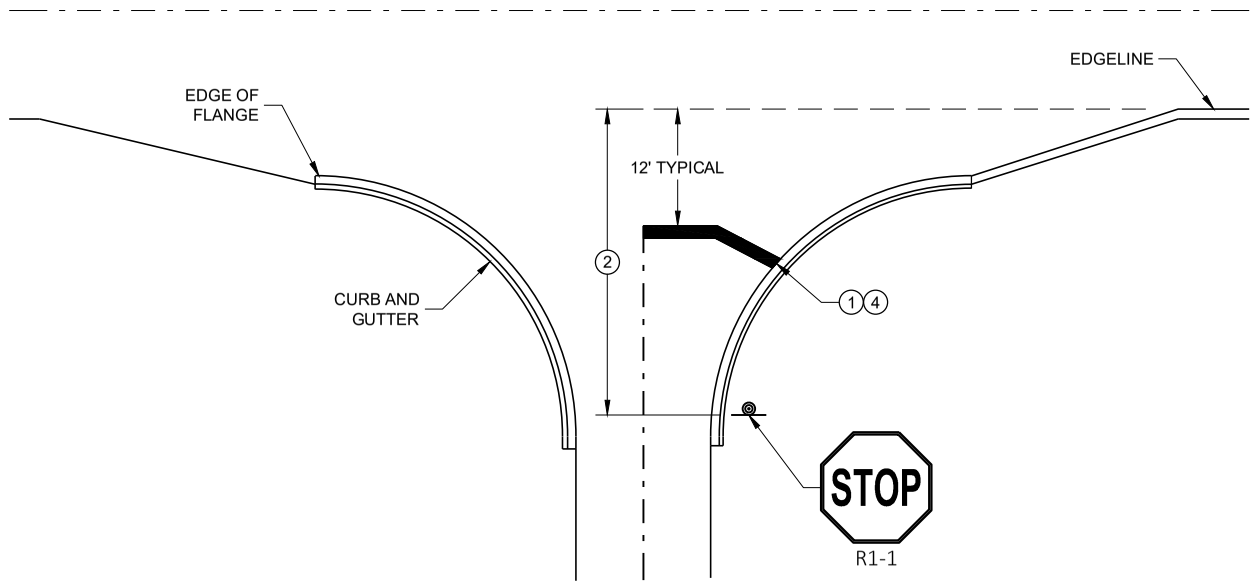
6

SDD 15C19 - 07a

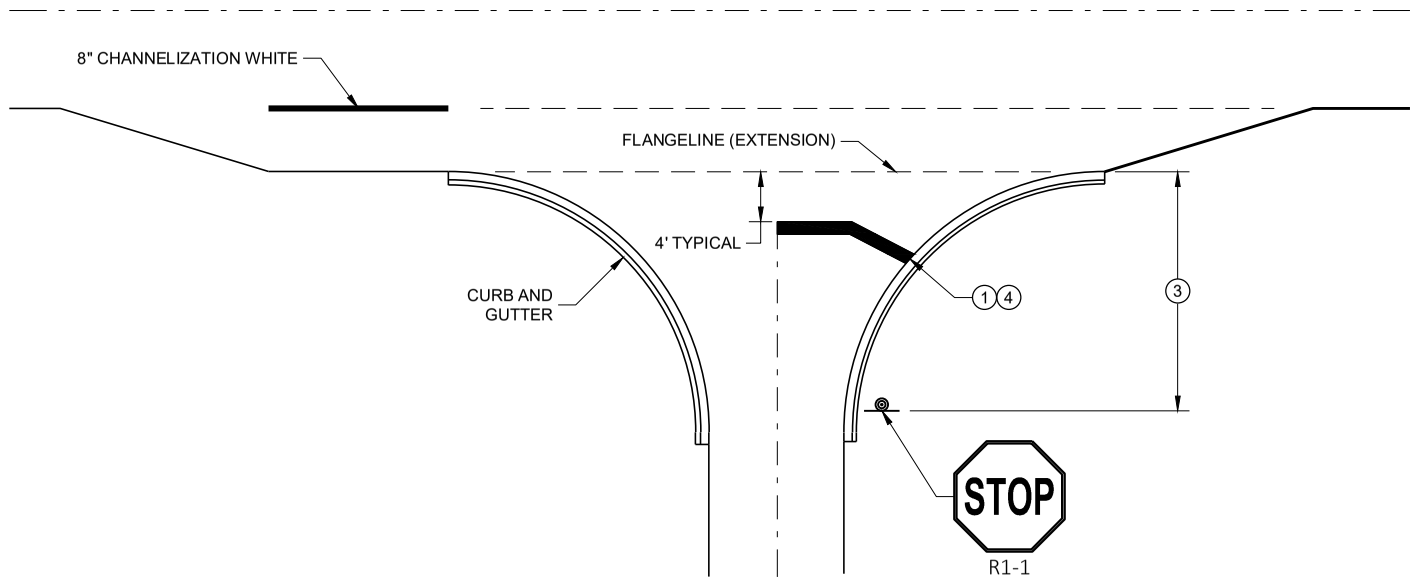
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

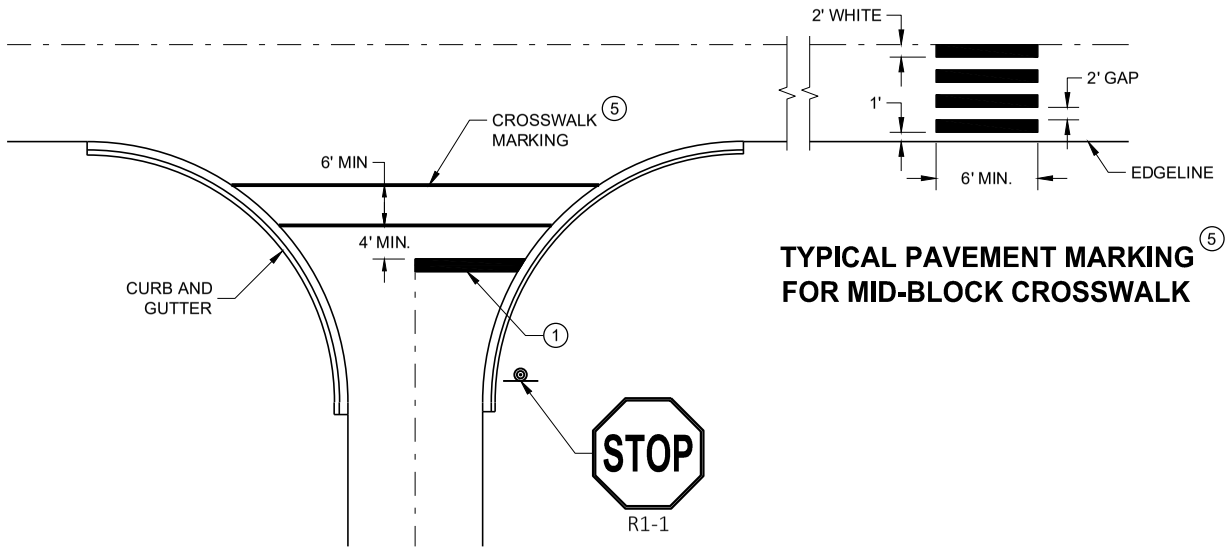
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

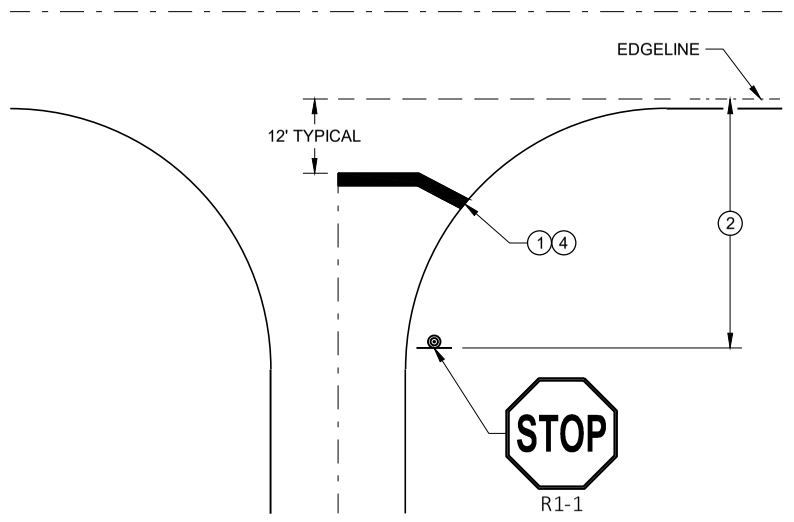


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

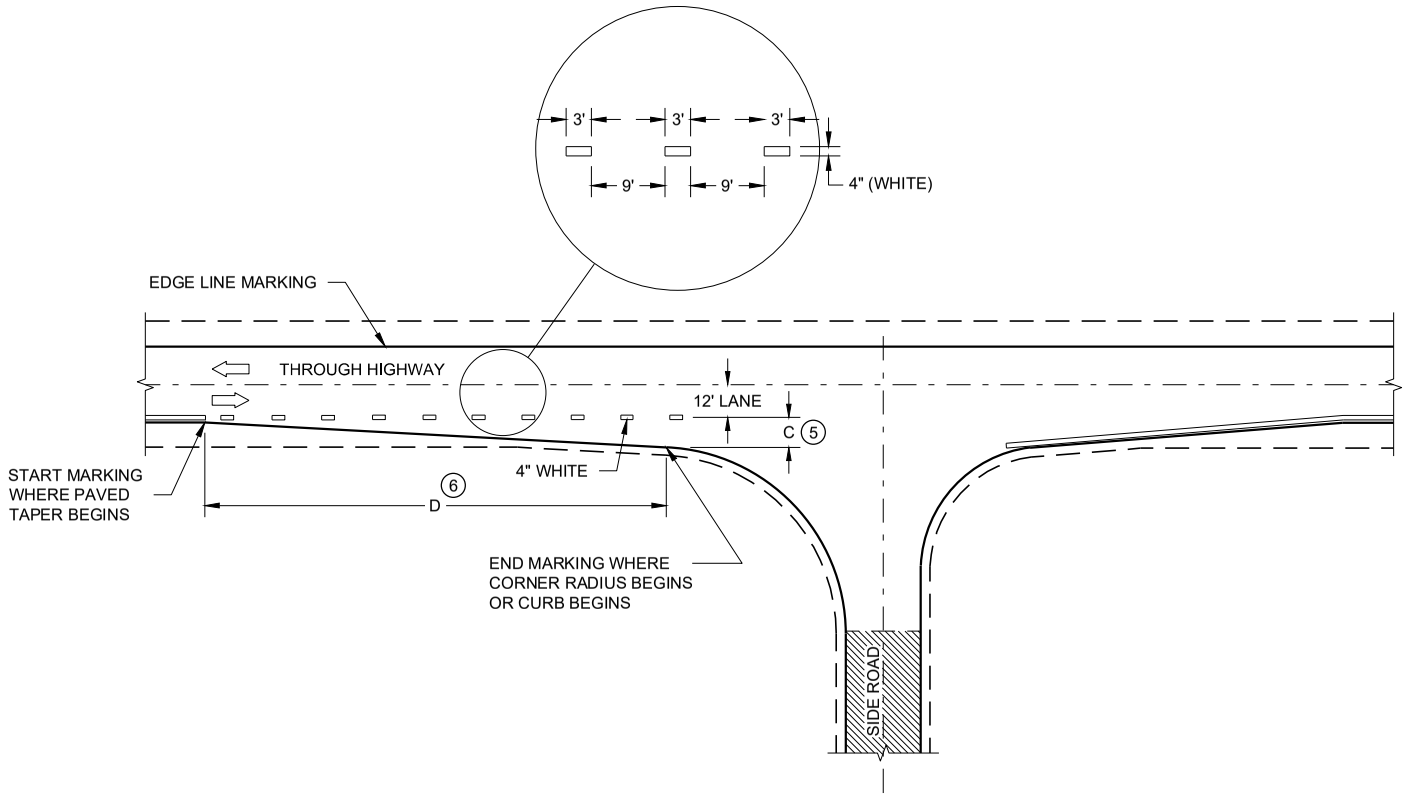
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

SDD 15C33 - 04

SDD 15C33 - 04



MINOR INTERSECTION

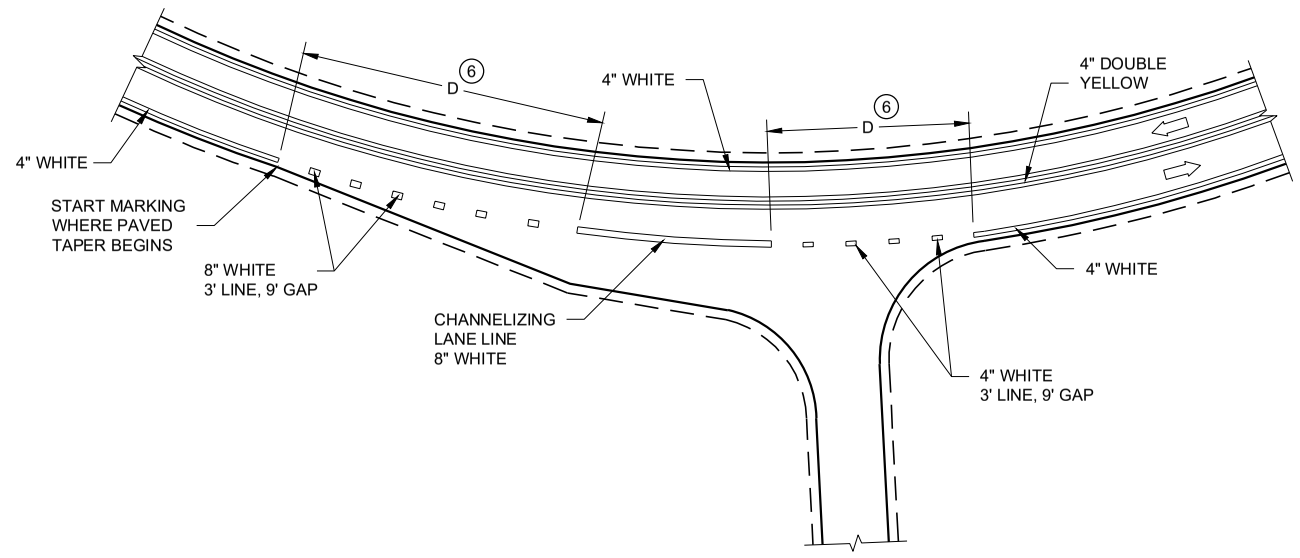
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

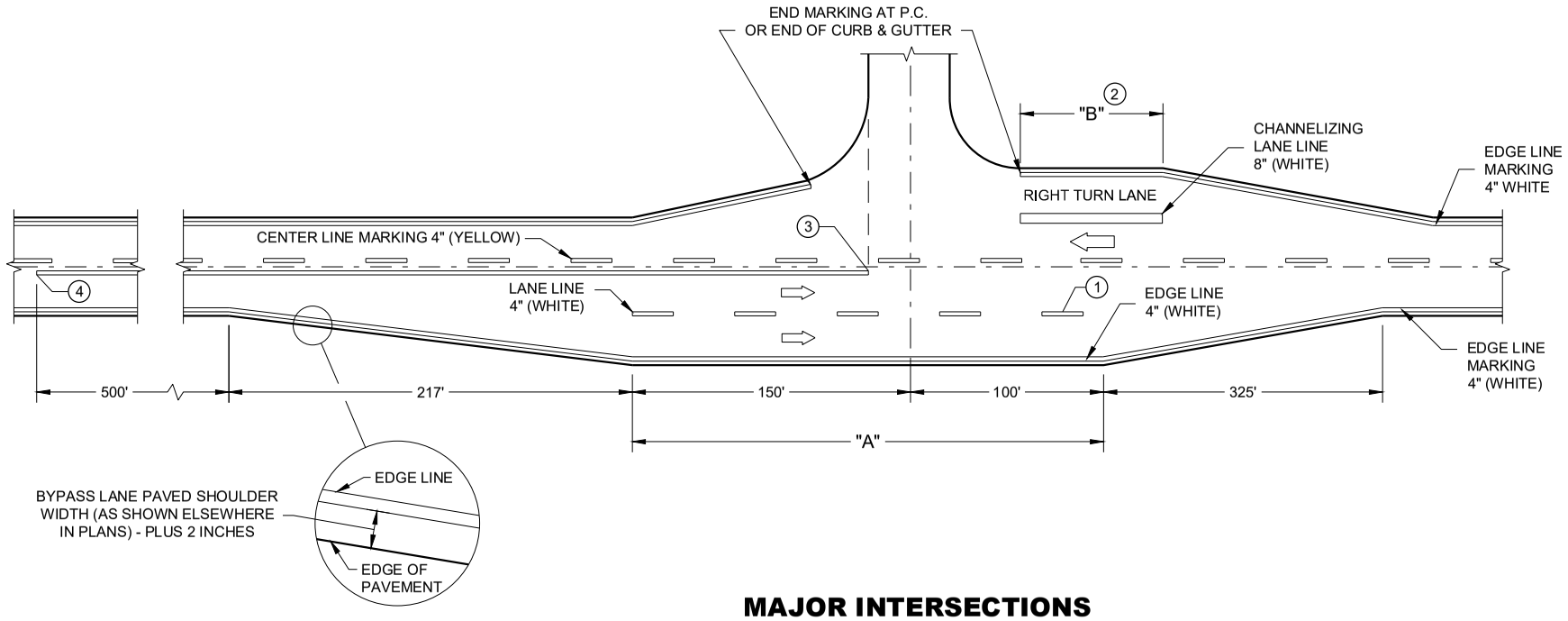
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



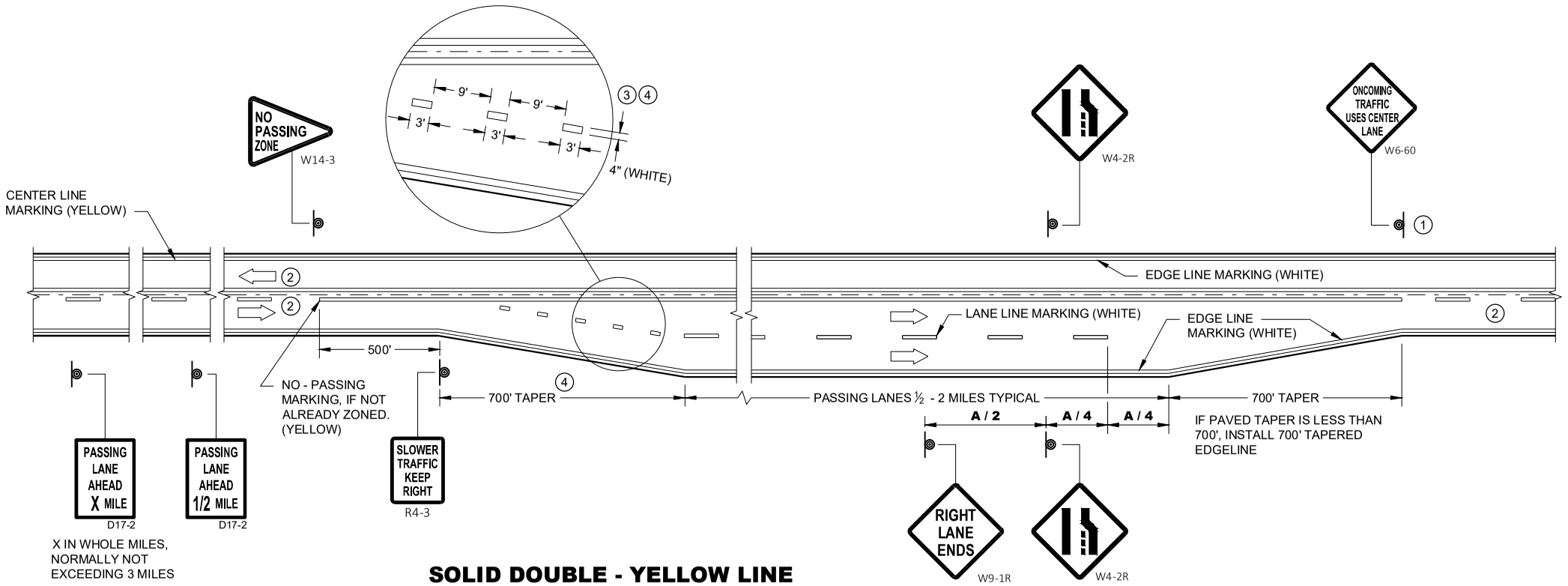
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

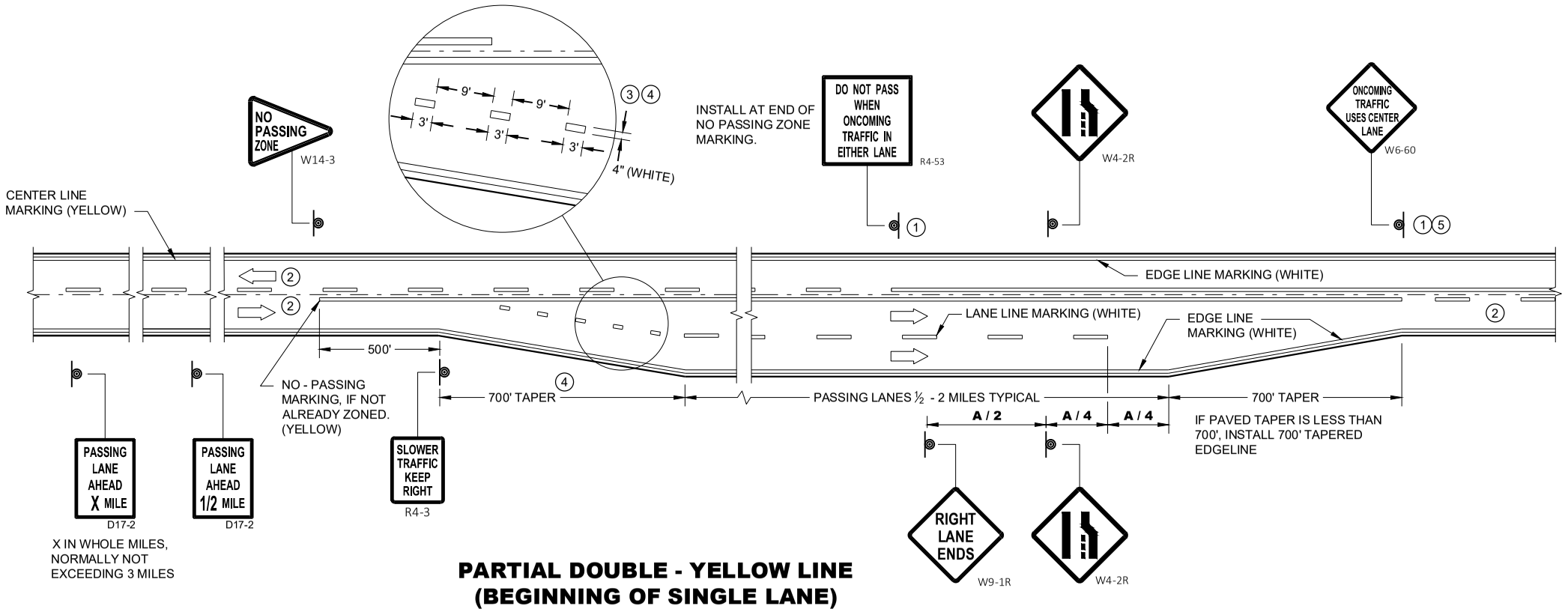
PAVEMENT MARKING (INTERSECTIONS)

SDD 15C35 - 05a

6



SOLID DOUBLE - YELLOW LINE
(THROUGHOUT ENTIRE PASSING / CLIMBING LANE)



PARTIAL DOUBLE - YELLOW LINE
(BEGINNING OF SINGLE LANE)

GENERAL NOTES

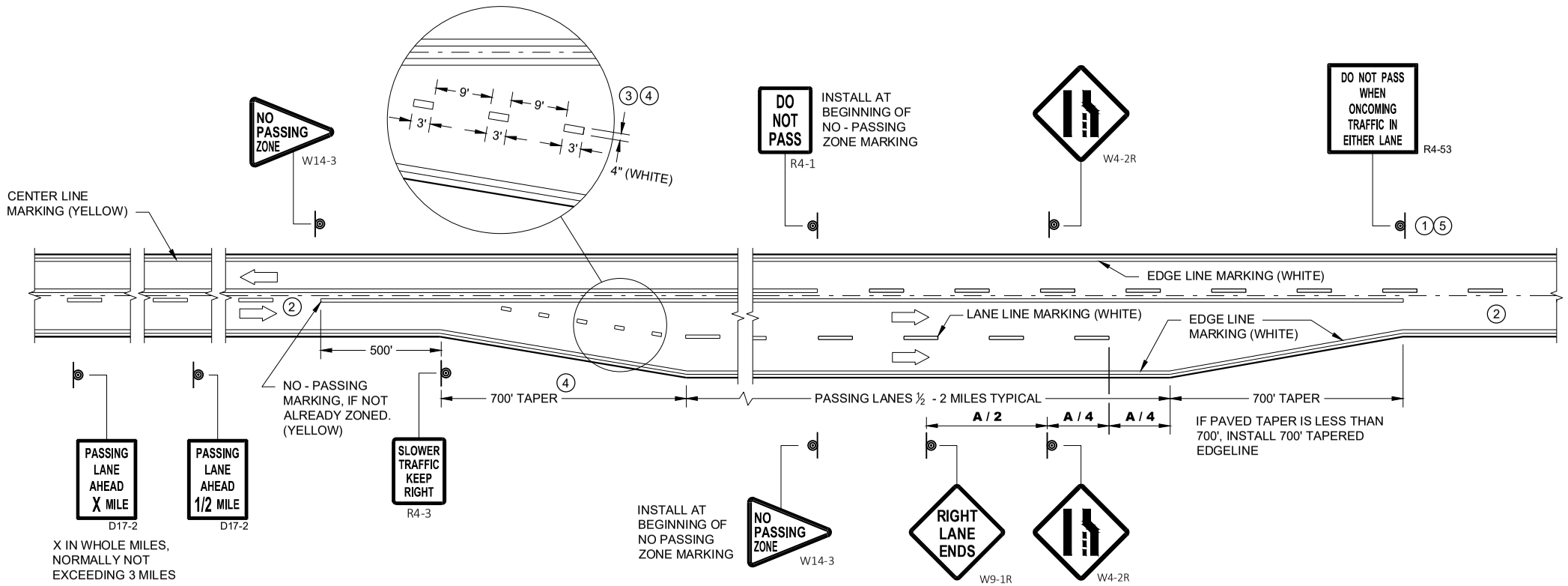
1. SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
2. THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
3. THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
4. WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
5. REPEAT EVERY 1 MILE UP UNTIL R4-53.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

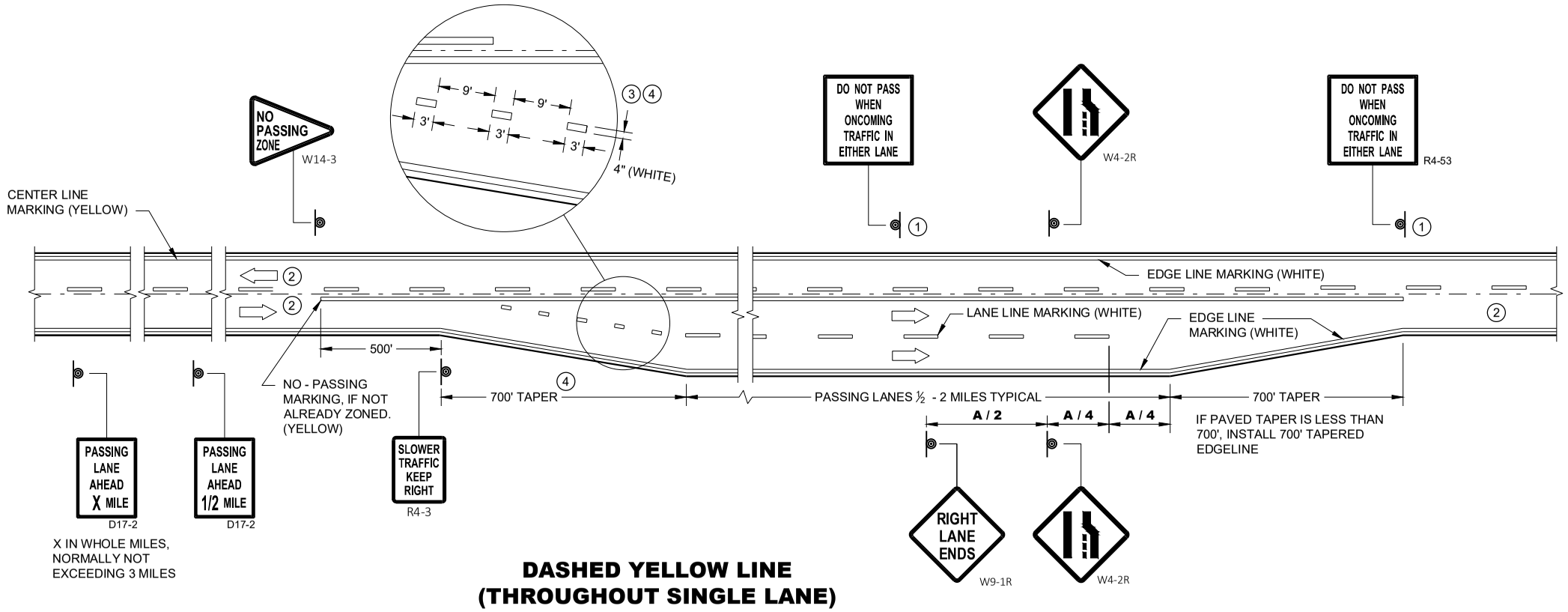
DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)



SOLID DOUBLE - YELLOW LINE
(END OF SINGLE LANE)



DASHED YELLOW LINE
(THROUGHOUT SINGLE LANE)

GENERAL NOTES

1. SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
2. THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
3. THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
4. WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
5. REPEAT EVERY ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

PAVEMNET MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MAF ENGINEER
FHWA

6

SDD 15C35 - 05c

GENERAL NOTES

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

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

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

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

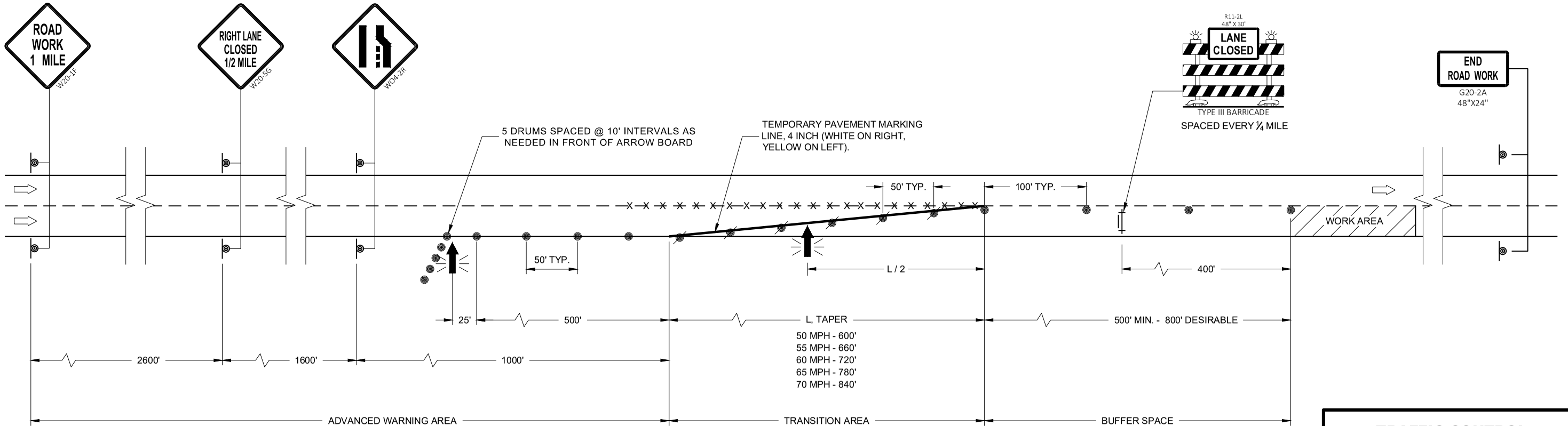
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



6

SDD 15D12 - 10a

6

SDD15D12 - 10a

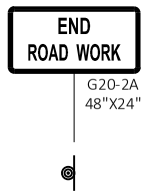
TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA



GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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.

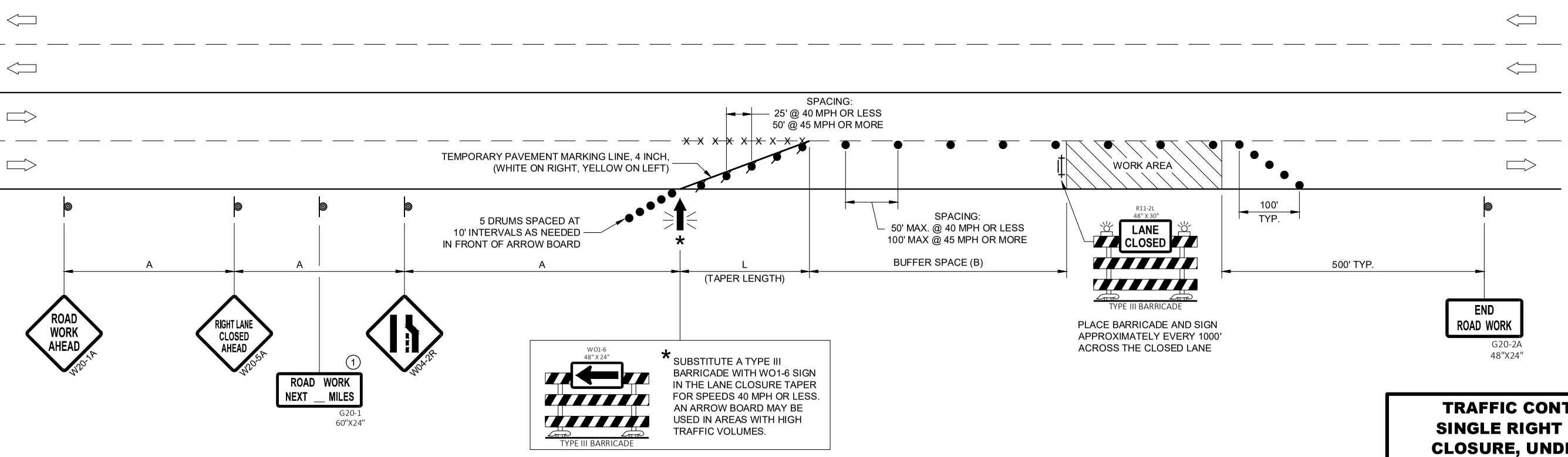
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

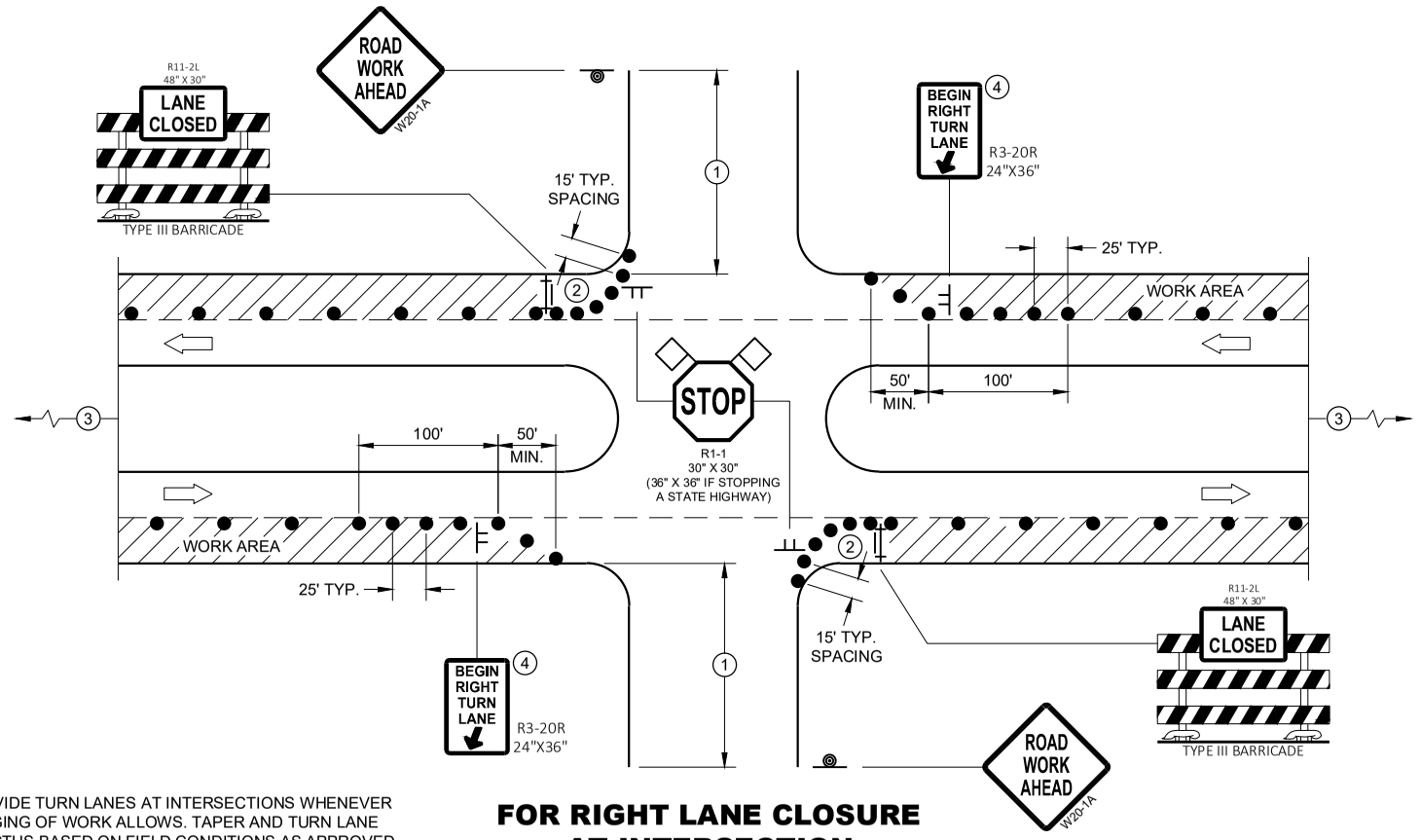
FHWA

6

SDD 15D20 - 06b

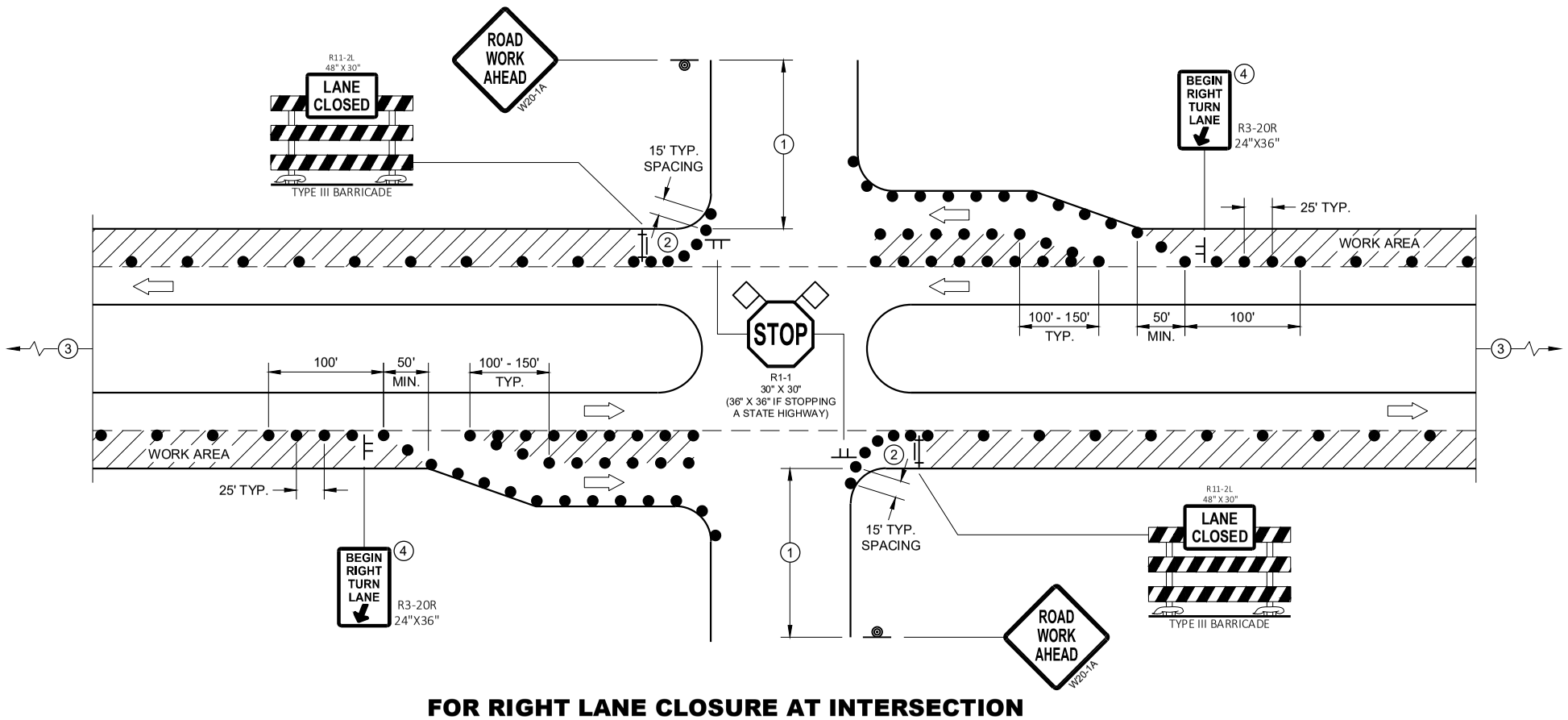
6

SDD 15D20 - 06b



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. 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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

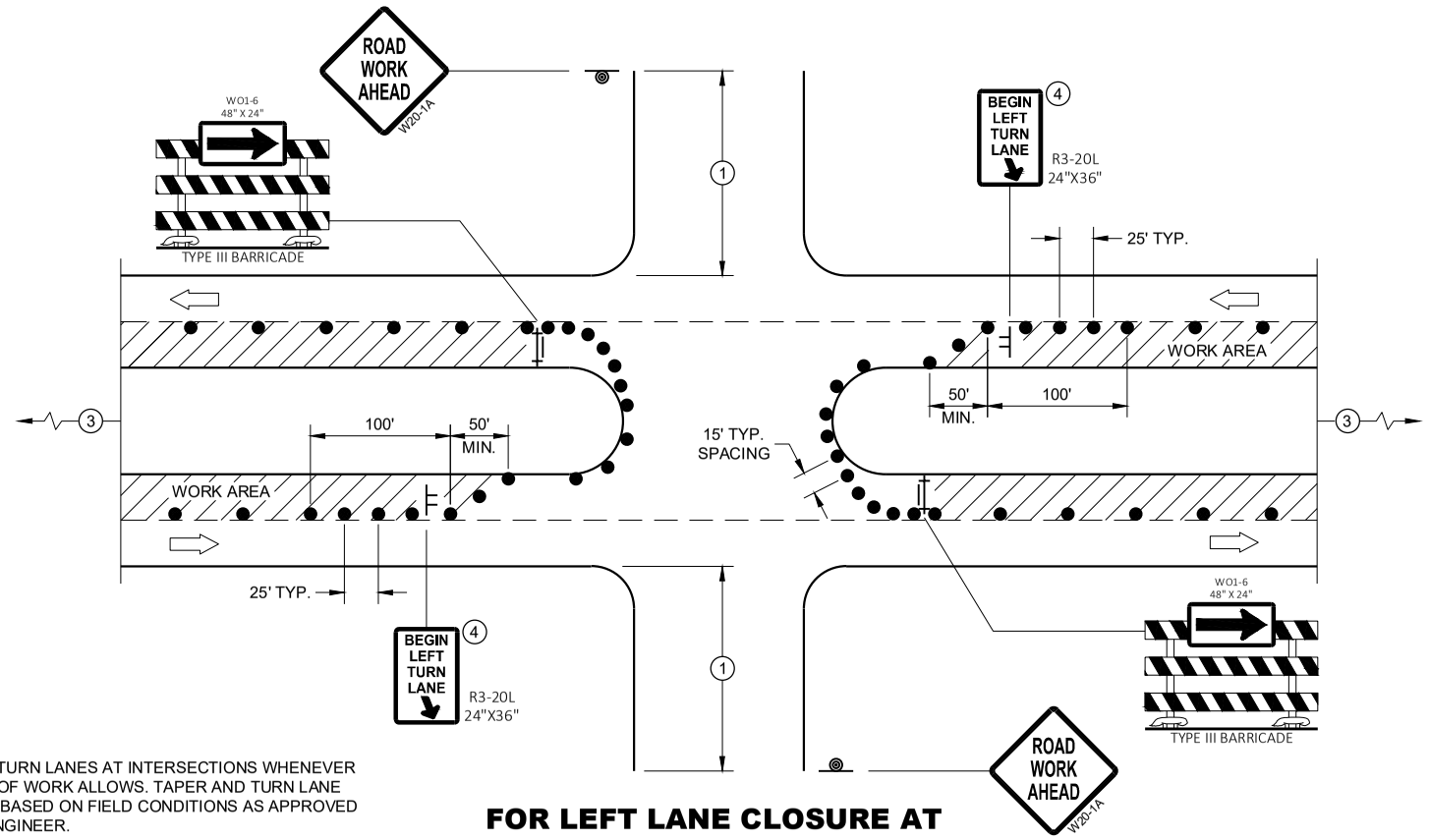
(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA- 164



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. 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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

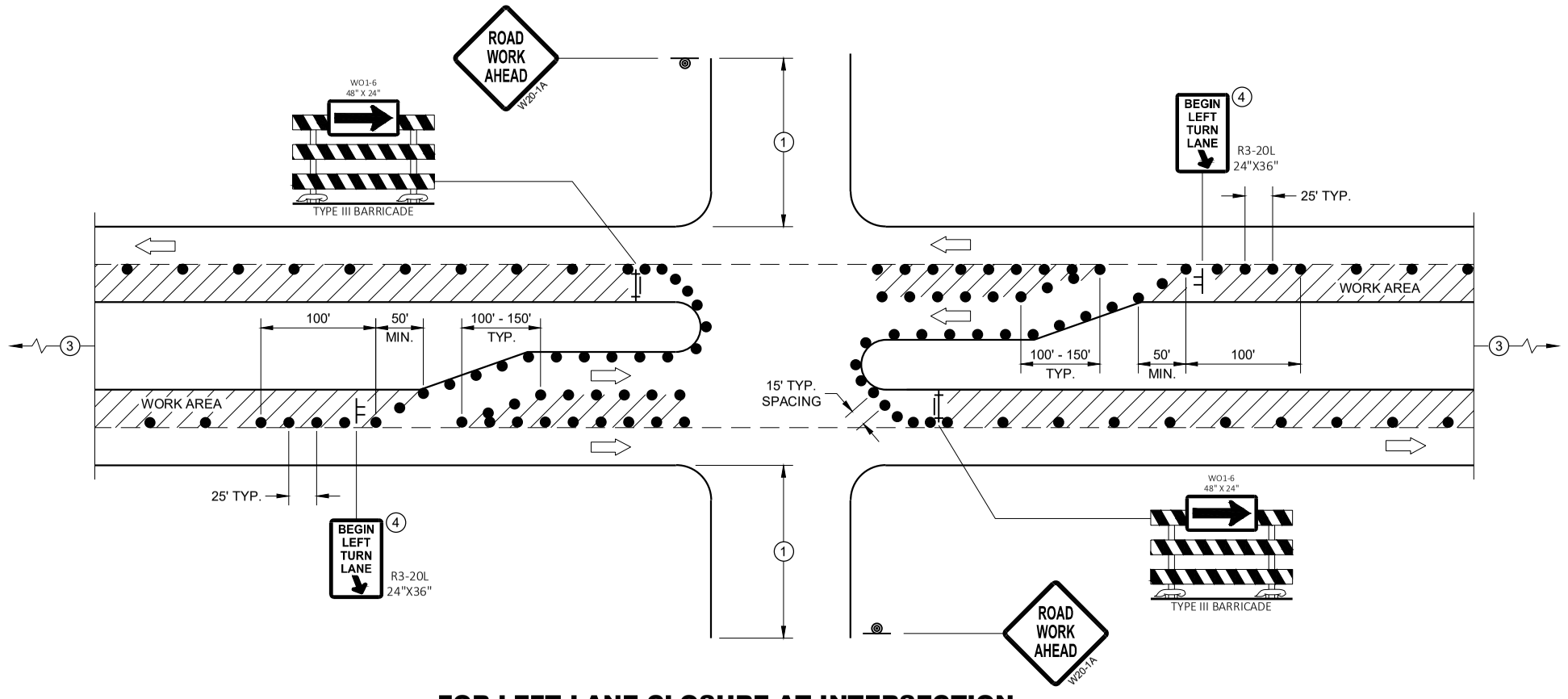
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D21 - 07b
SDD 15D21 - 07b

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.

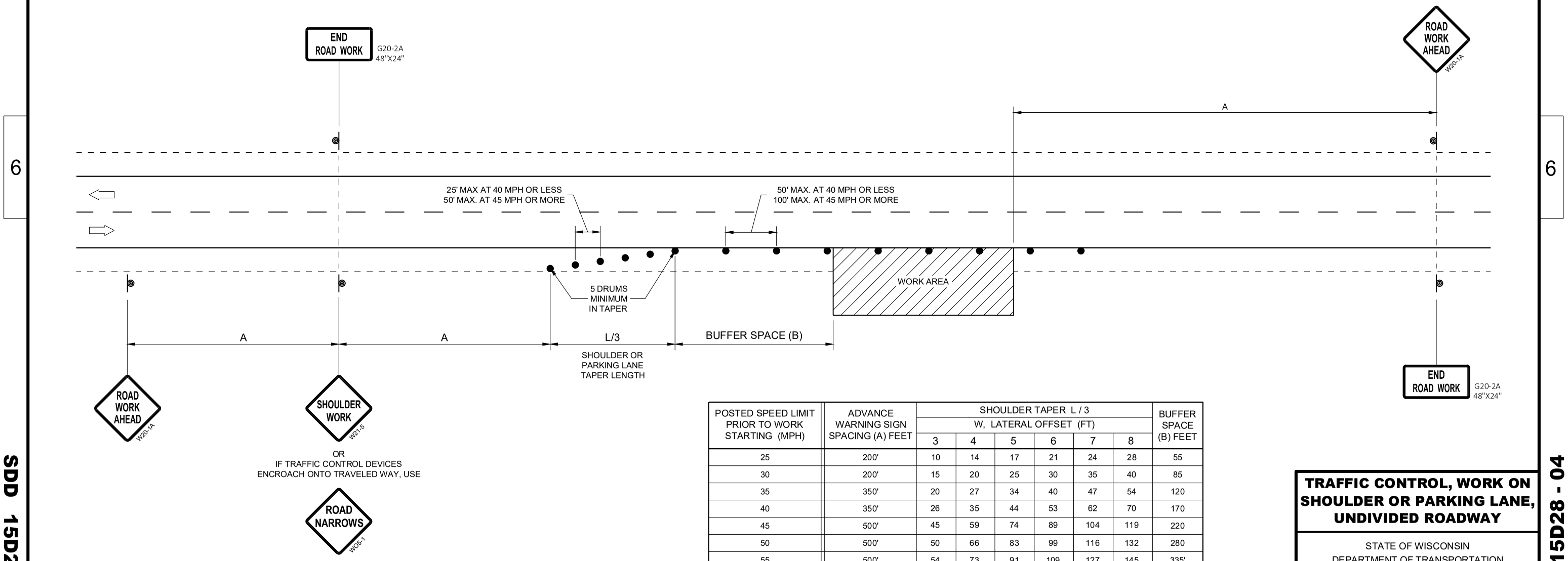
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

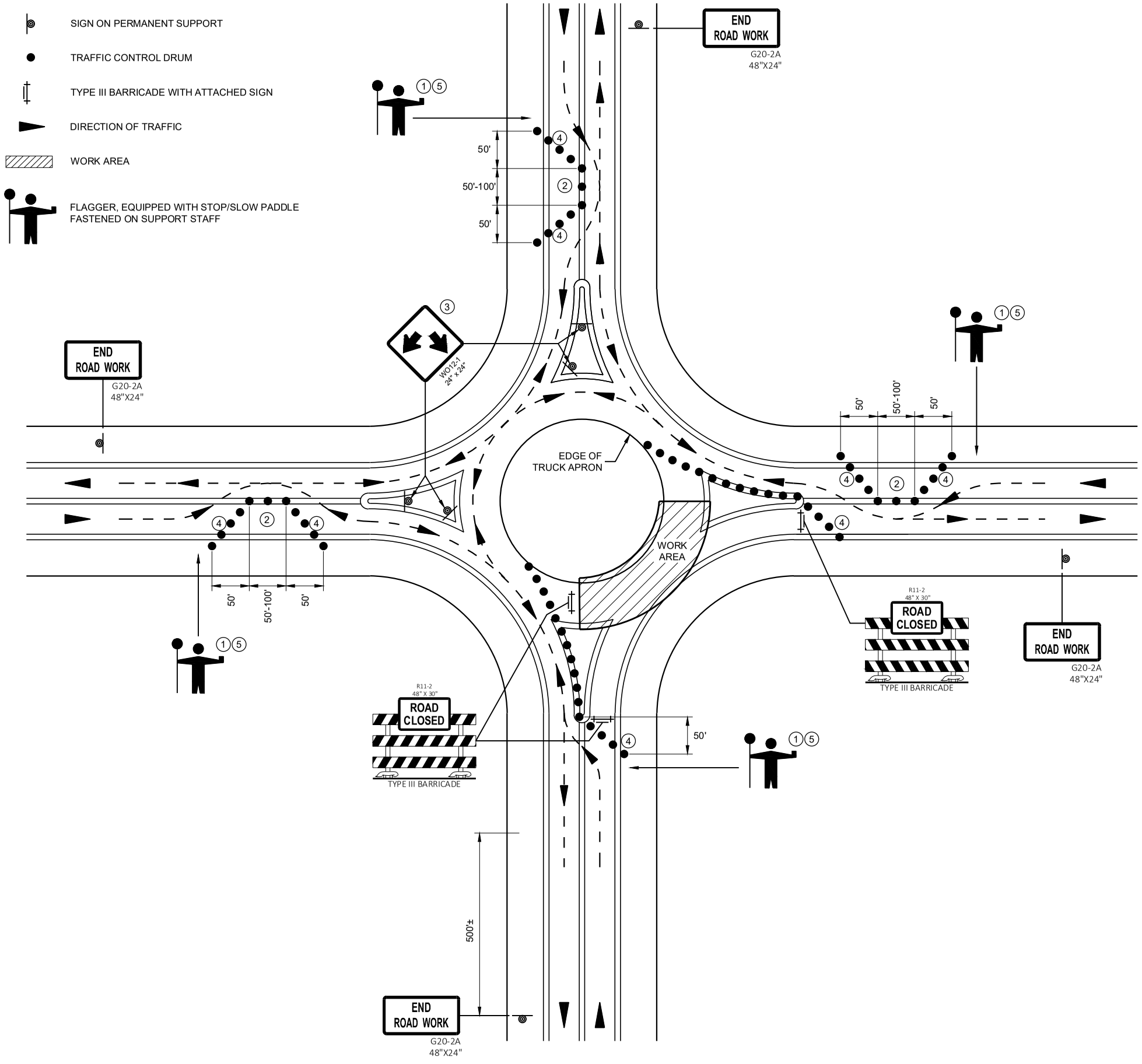
FHWA

6

SDD 15D28 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



GENERAL NOTES

ALL SIGNS ARE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 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.

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

1. FLAGGERS SHALL BE IN DIRECT RADIO CONTACT AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
2. ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
3. GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (WO12-1) SIGN.
4. THE TWO- WAY TAPER SHOULD BE 50 FEET USING 5 EQUALLY SPACED DRUMS.
5. FOLLOW SDD 15C12 FOR FLAGGING AND ADVANCE WARNING.

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

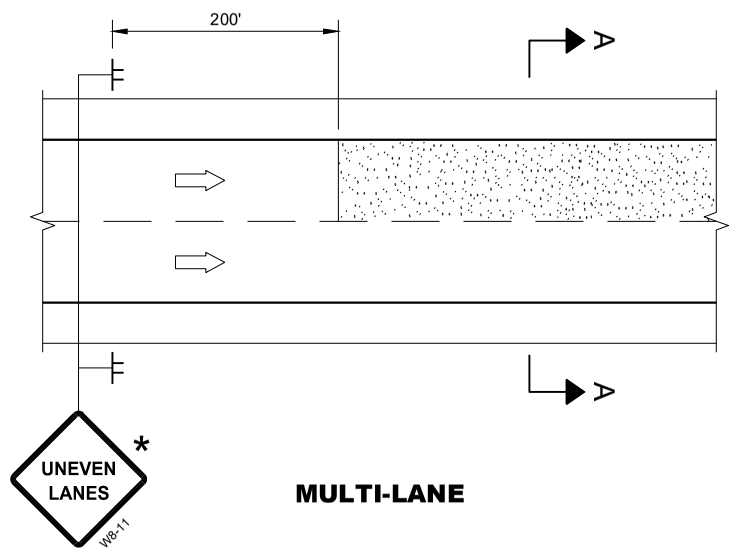
MPH	DRUM SPACING (FT)
0-40	25
45-55	50

TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT

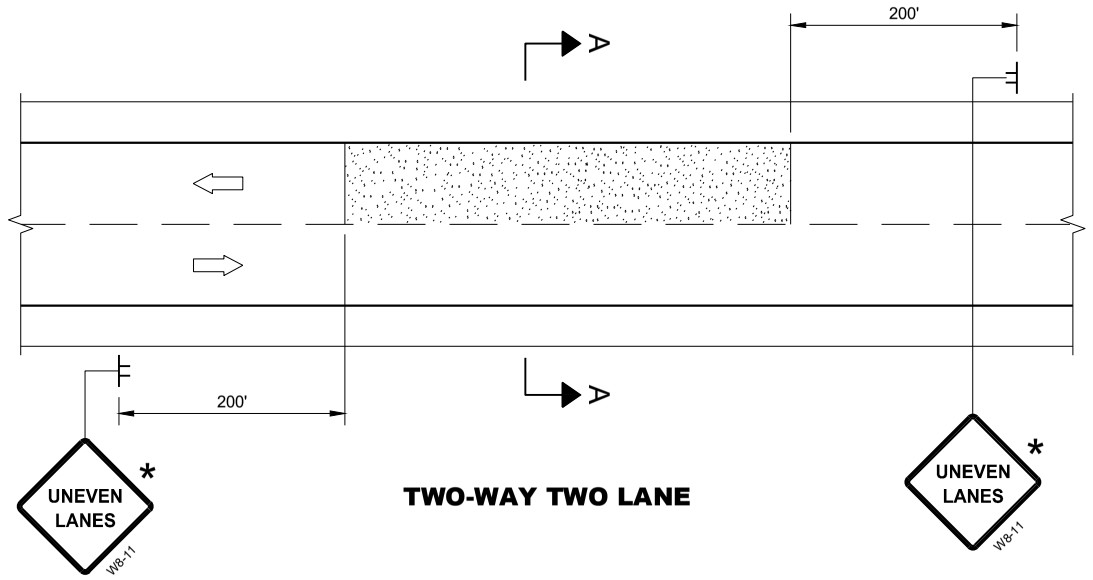
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6
SDD 15D37 - 03



MULTI-LANE



TWO-WAY TWO LANE

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.

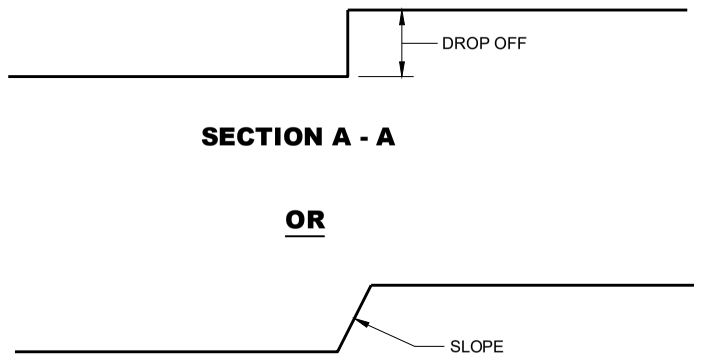
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

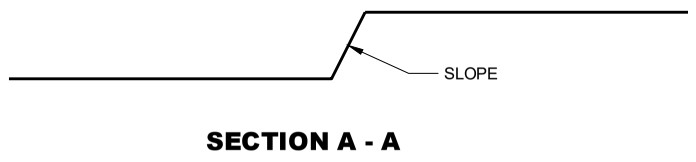
LEGEND

- 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

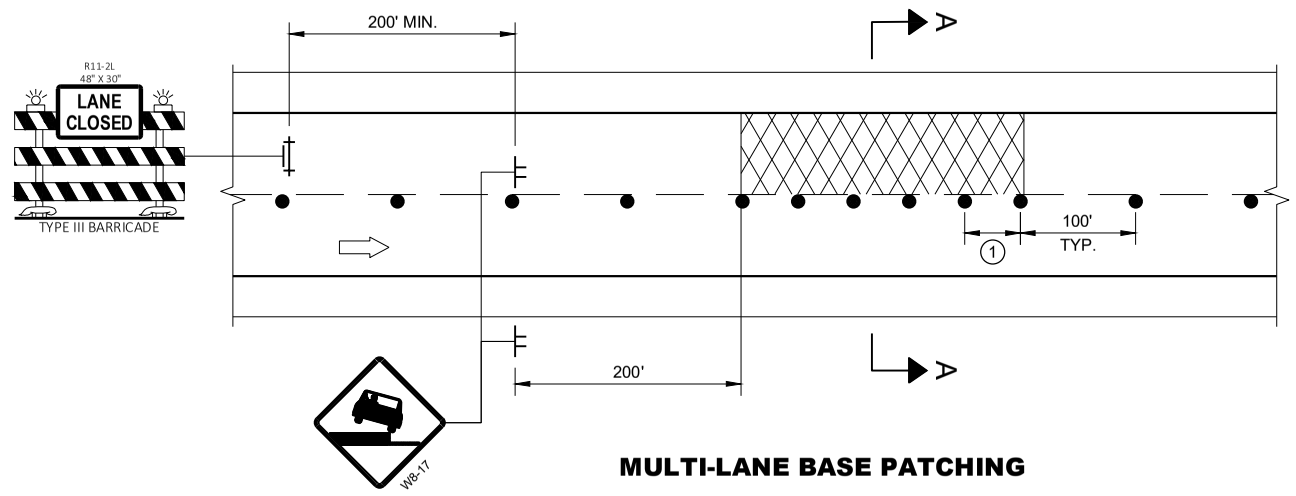


SECTION A - A

OR

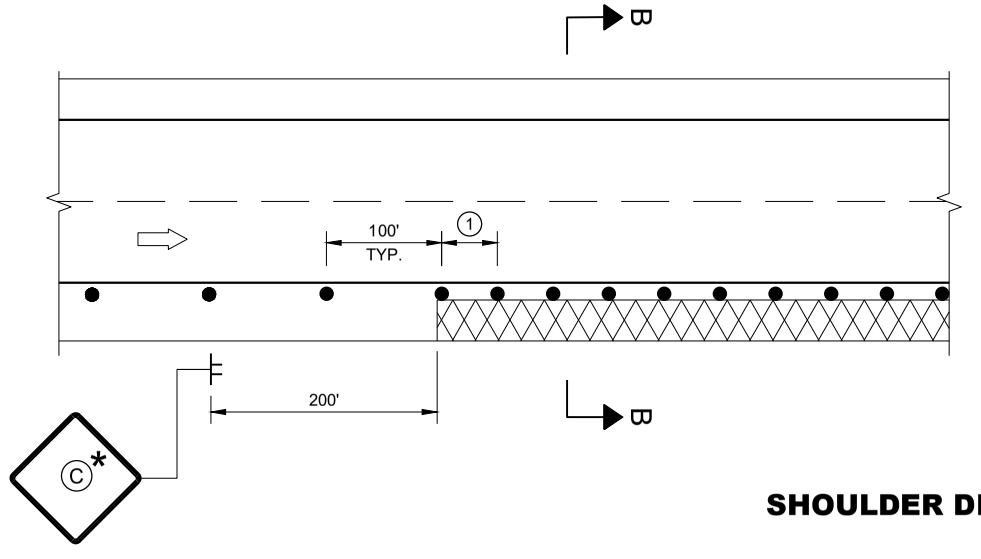


SECTION A - A

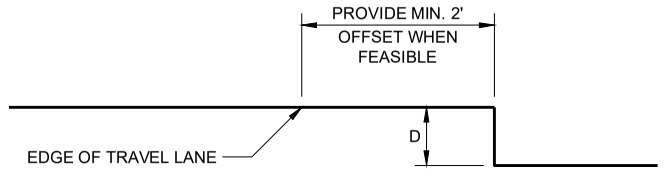


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



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.

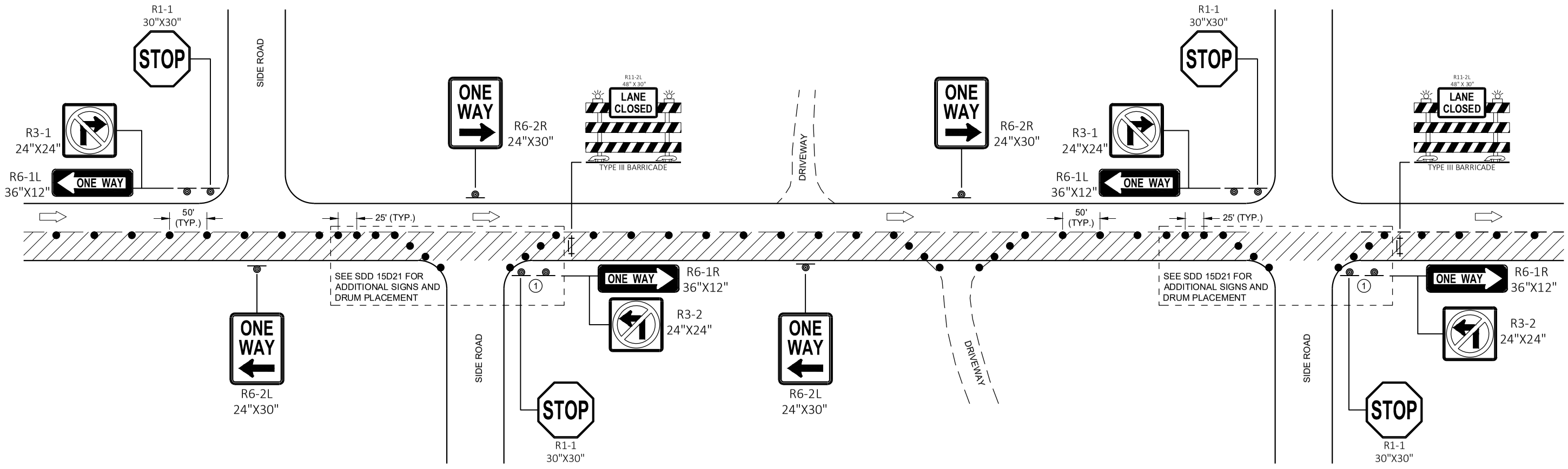
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

SDD 15D46 - 01

SDD 15D46 - 01

LEGEND

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

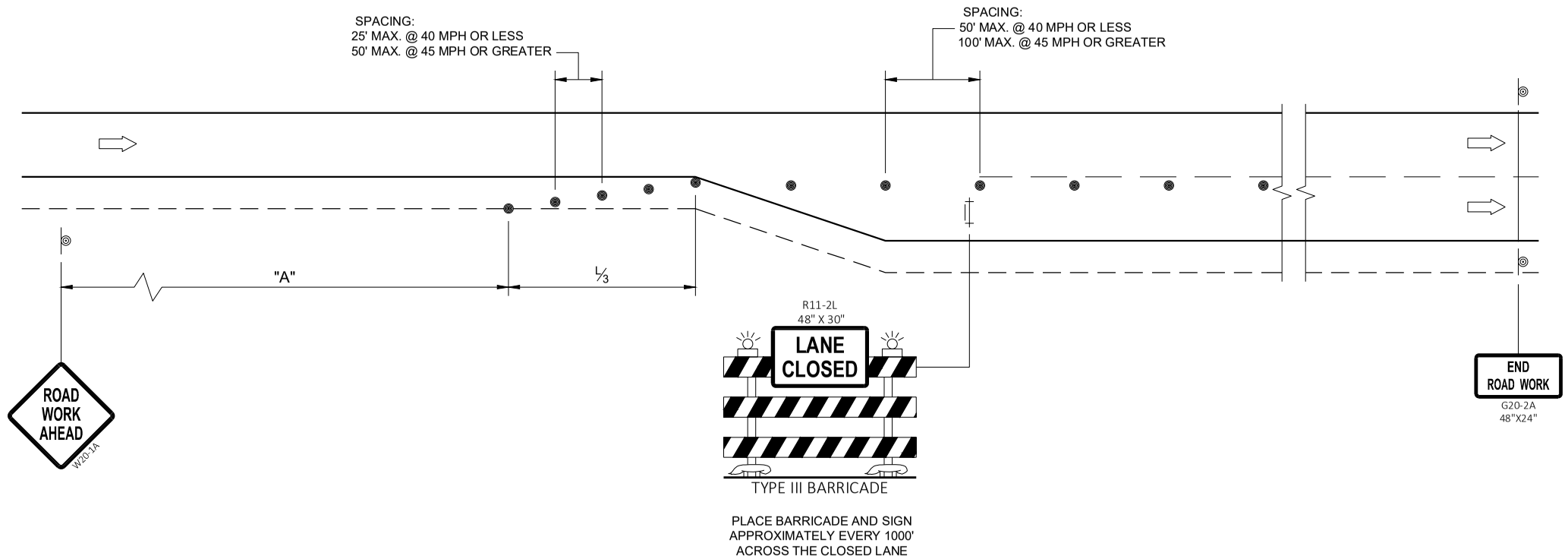
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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.

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.

W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D50 - 02a

6

SDD 15D50 - 02a

LEGEND

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

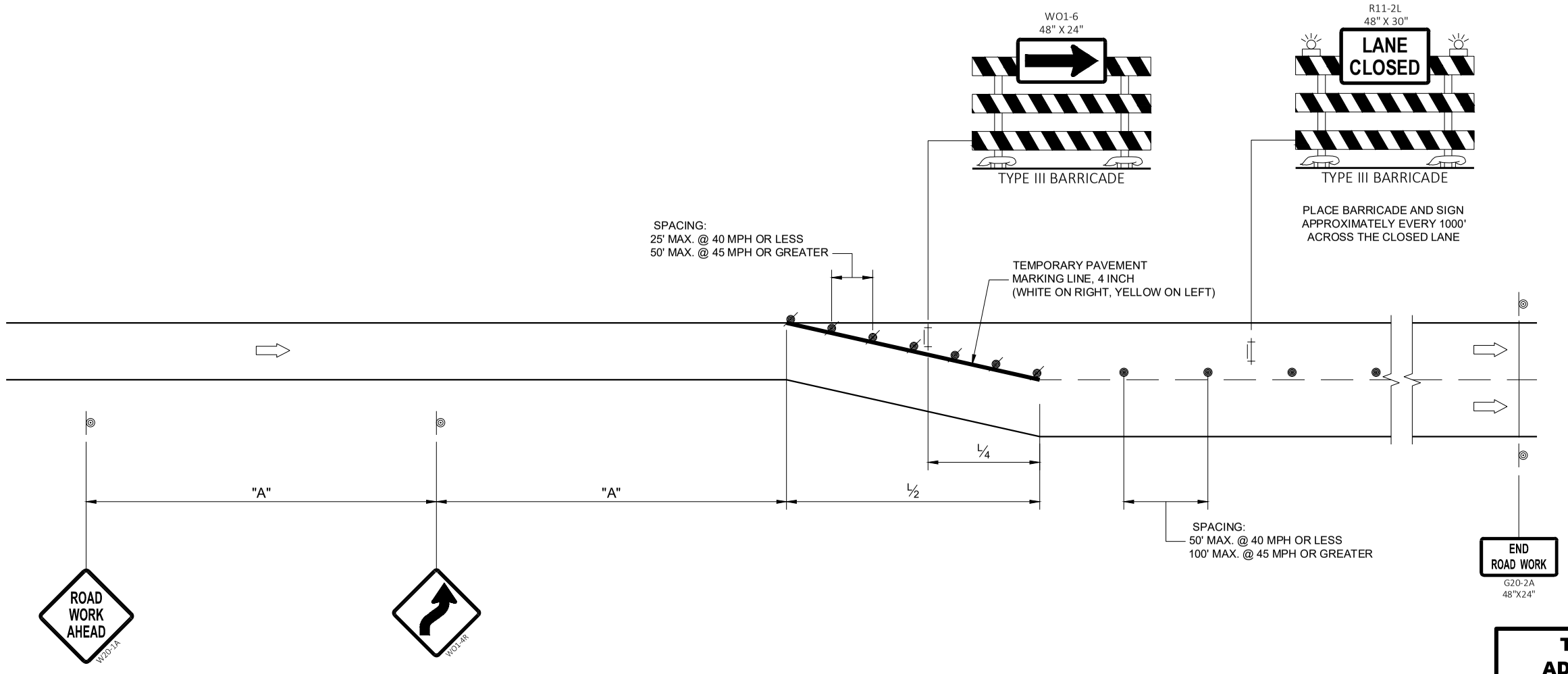
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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 SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 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 WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D50 - 02b

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

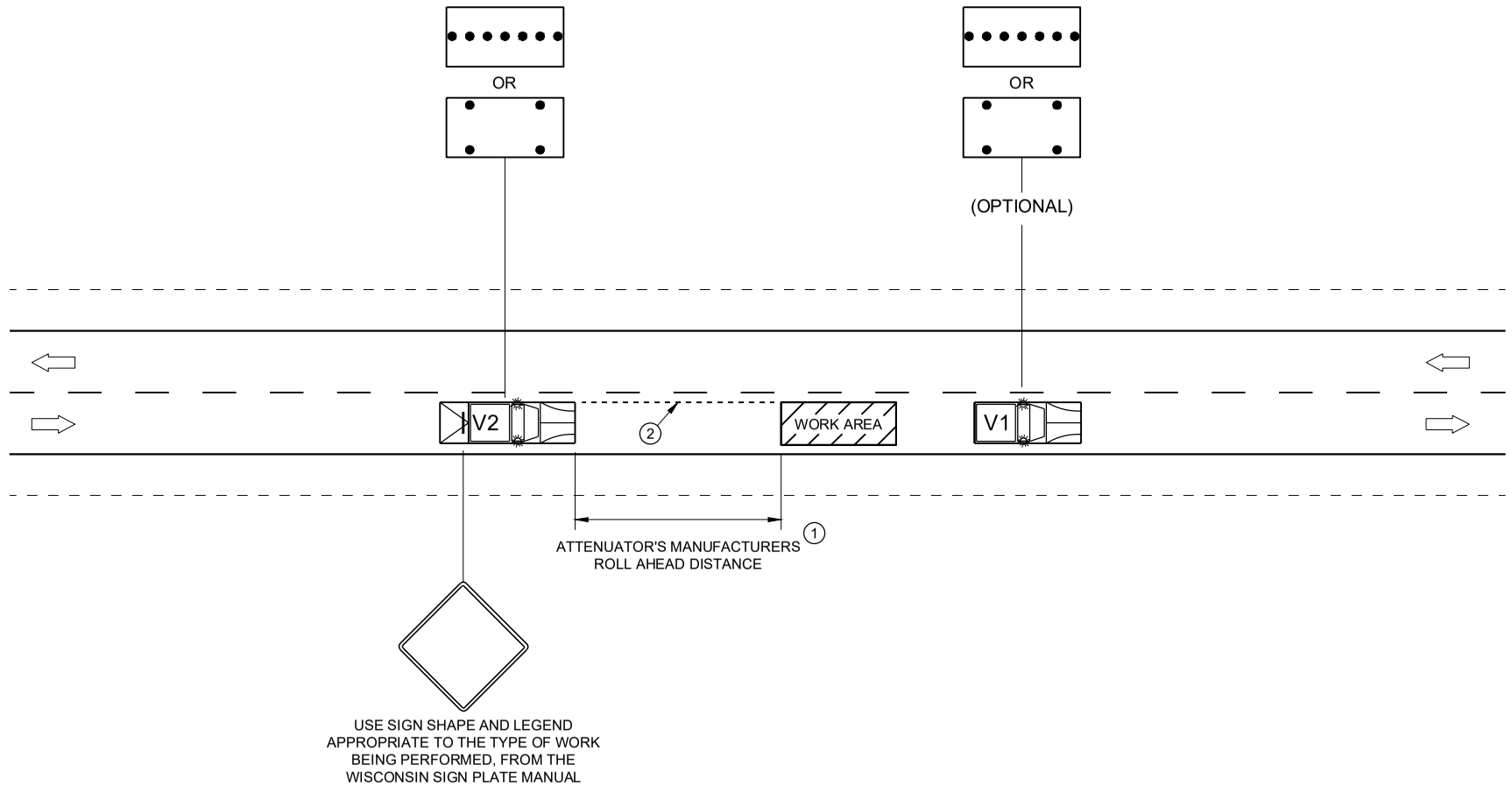
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, 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 OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

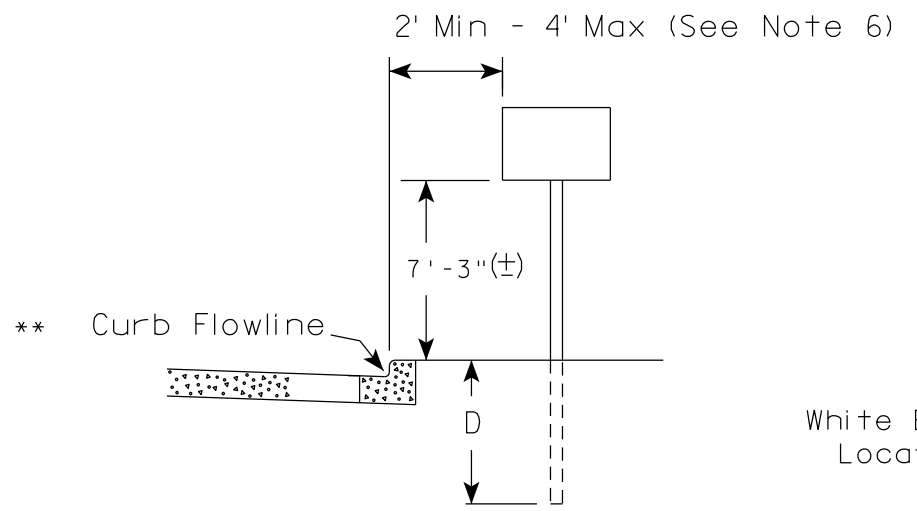
6

SDD 15D51 - 01

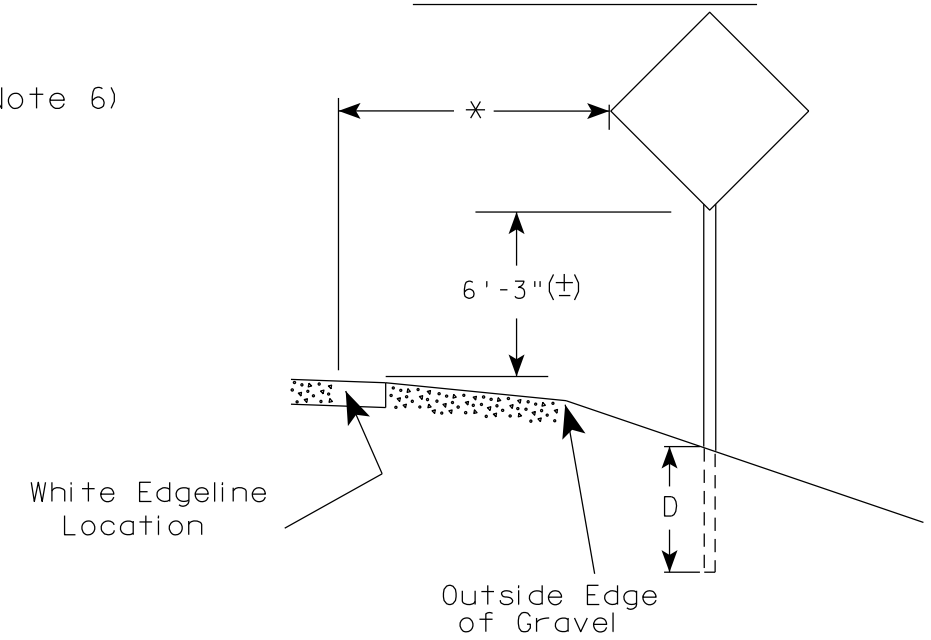
6

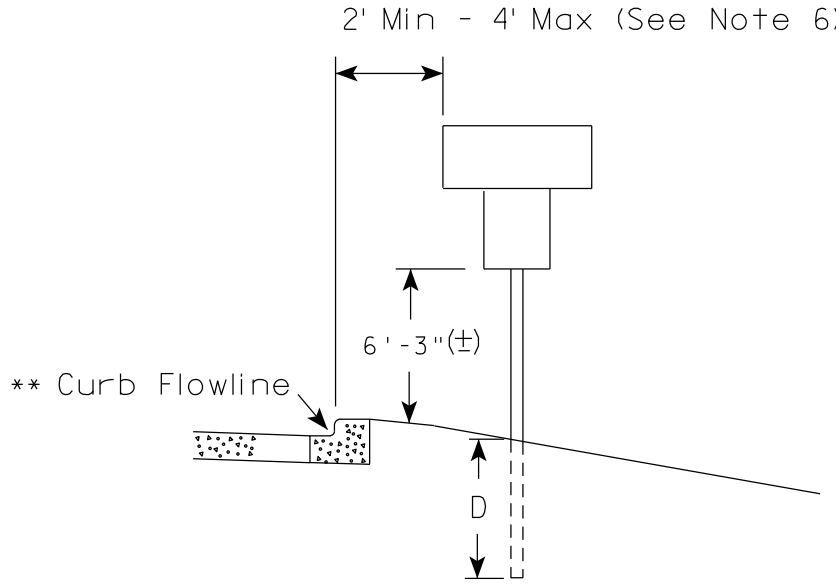
SDD 15D51 - 01

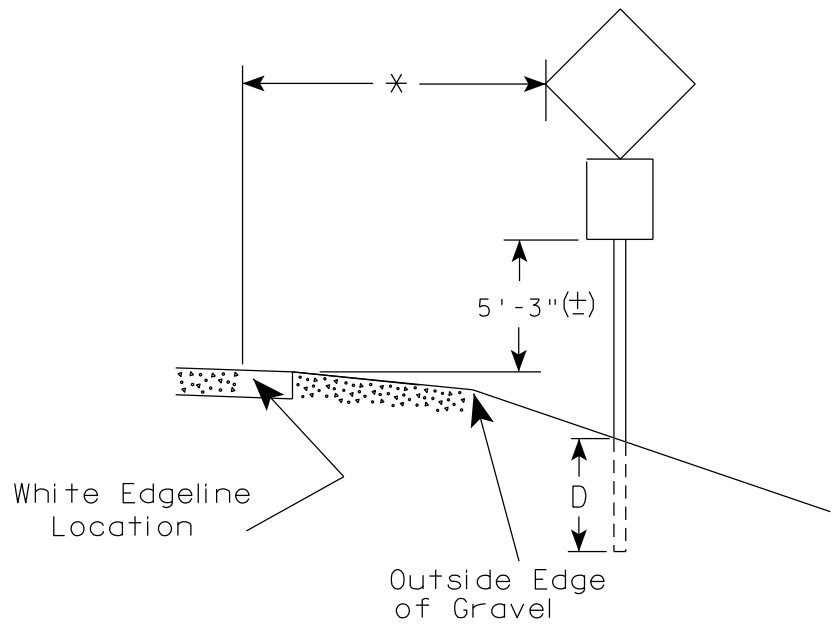
URBAN AREA



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.

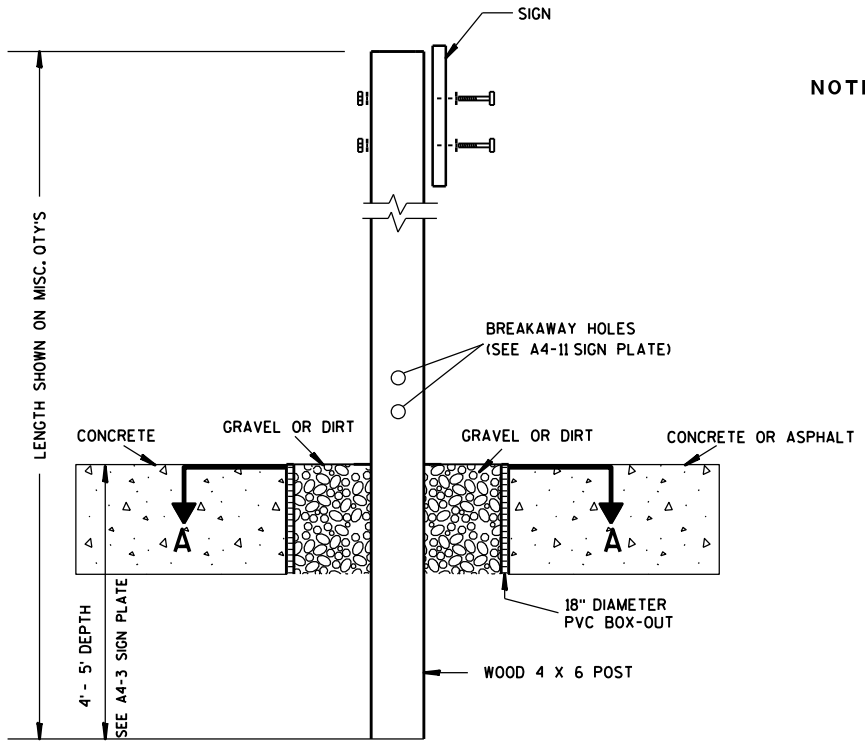
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

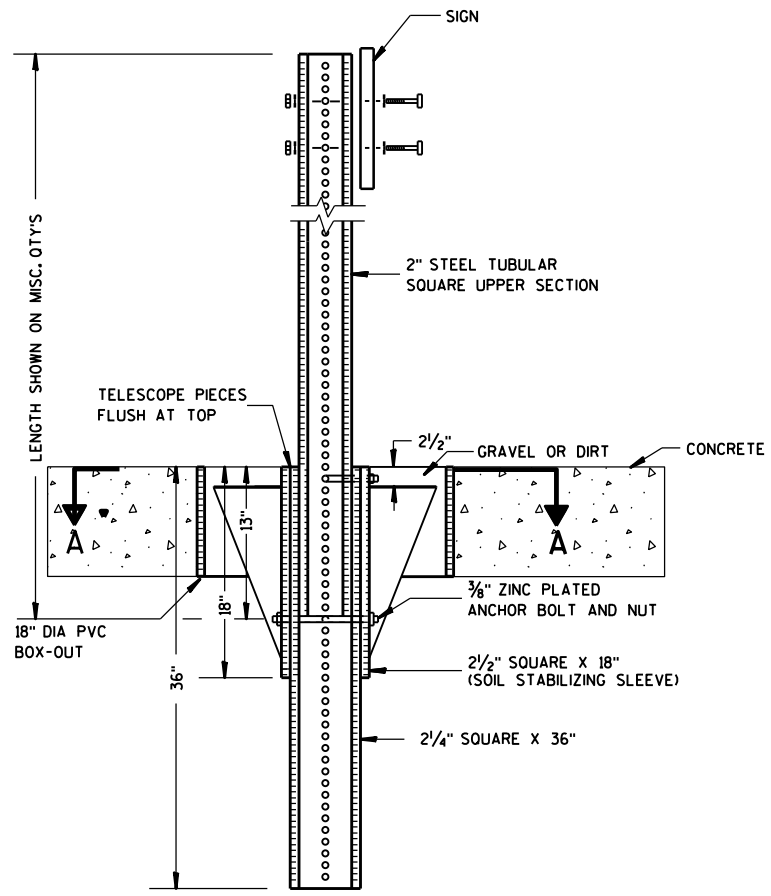
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 173	E



ELEVATION VIEW

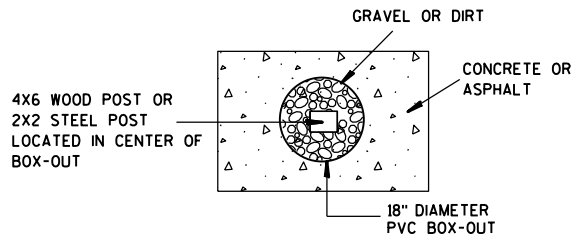
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

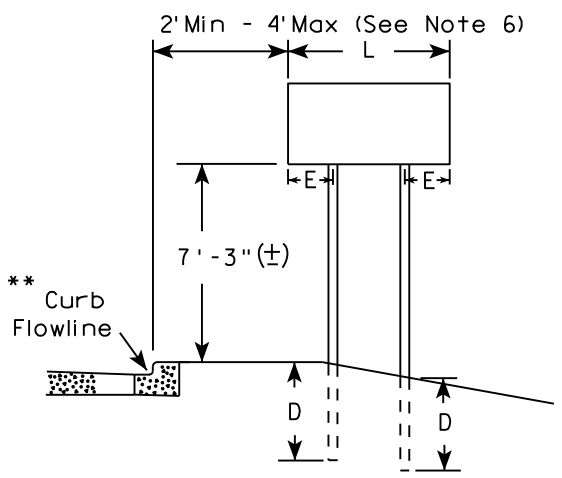
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

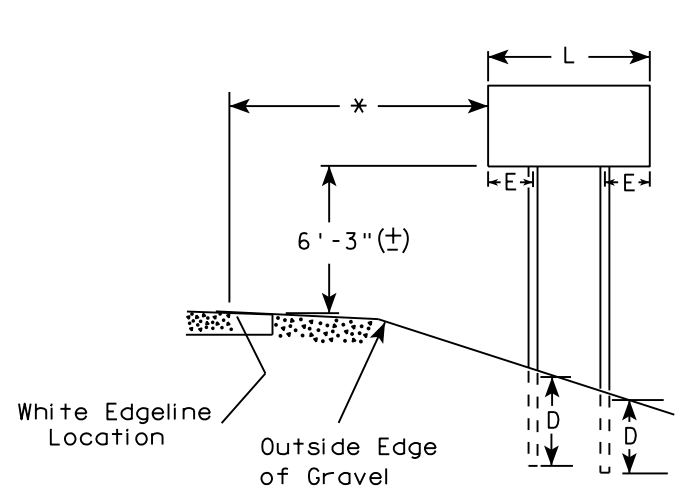
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

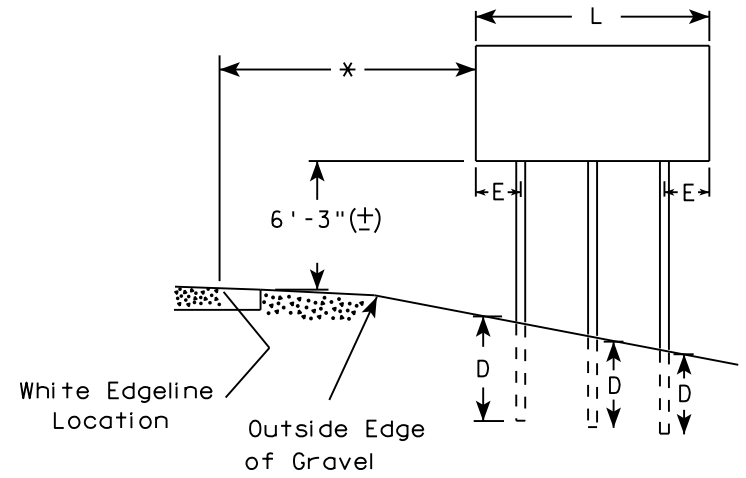
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000
WISDOT/CADDS SHEET 42

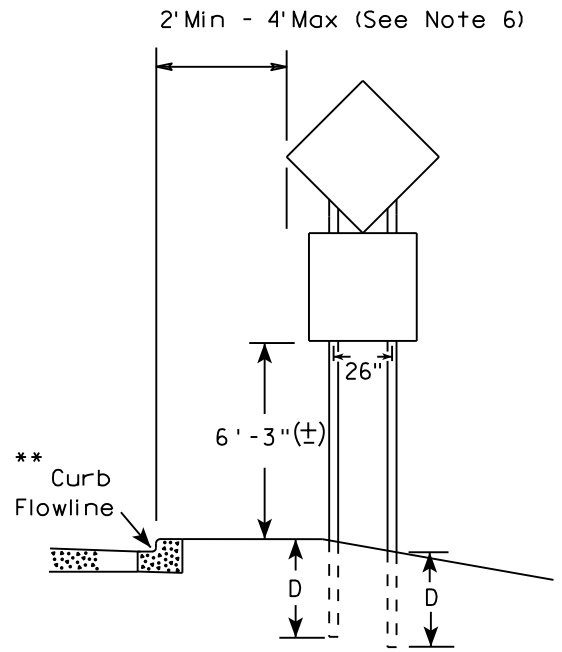
URBAN AREA



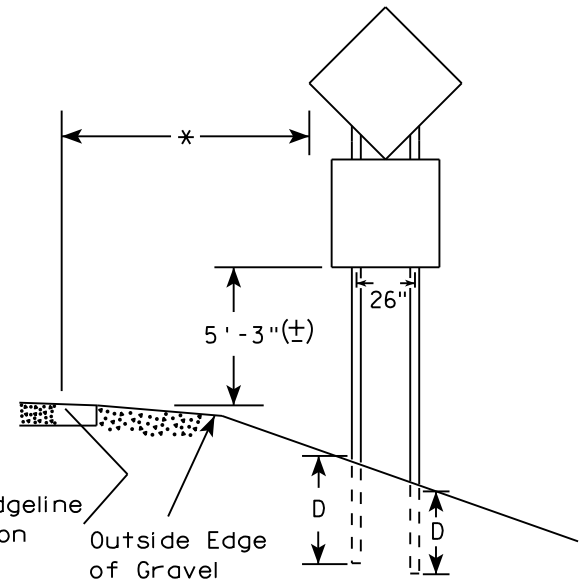
RURAL AREA (See Note 3)







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'

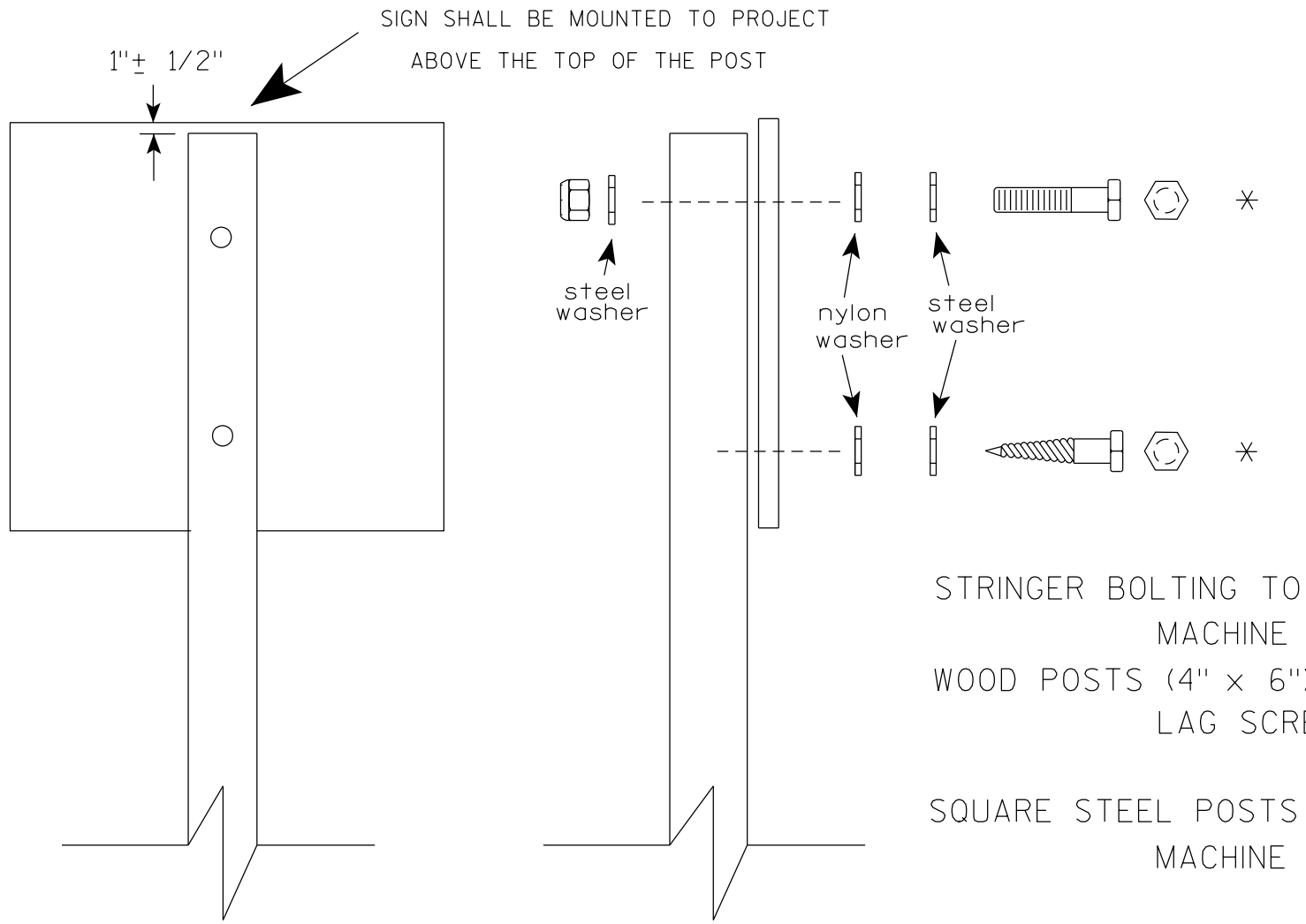
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 175	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

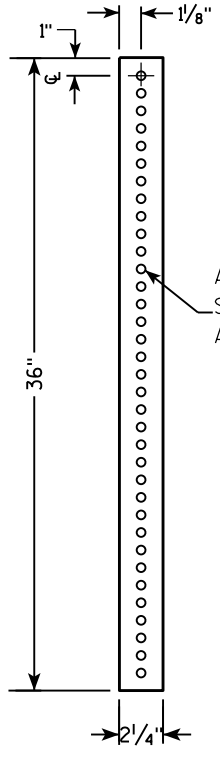
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

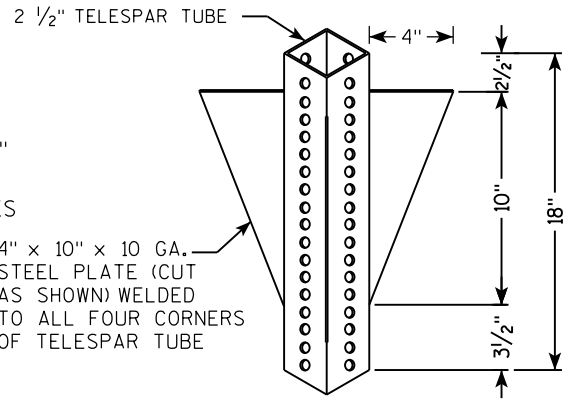
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

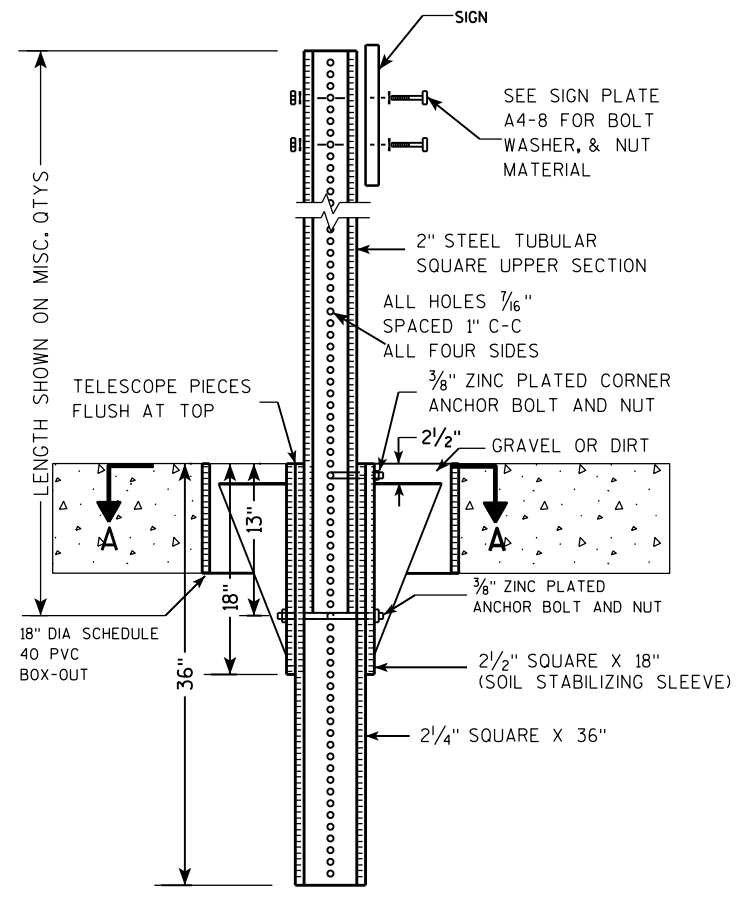
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



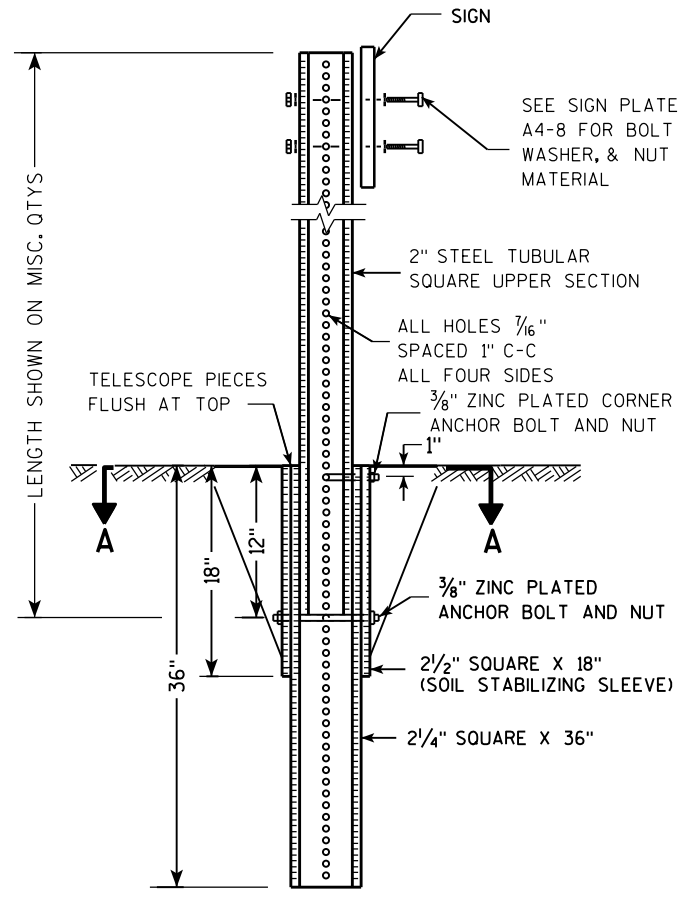
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

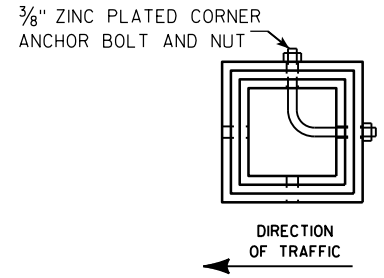


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

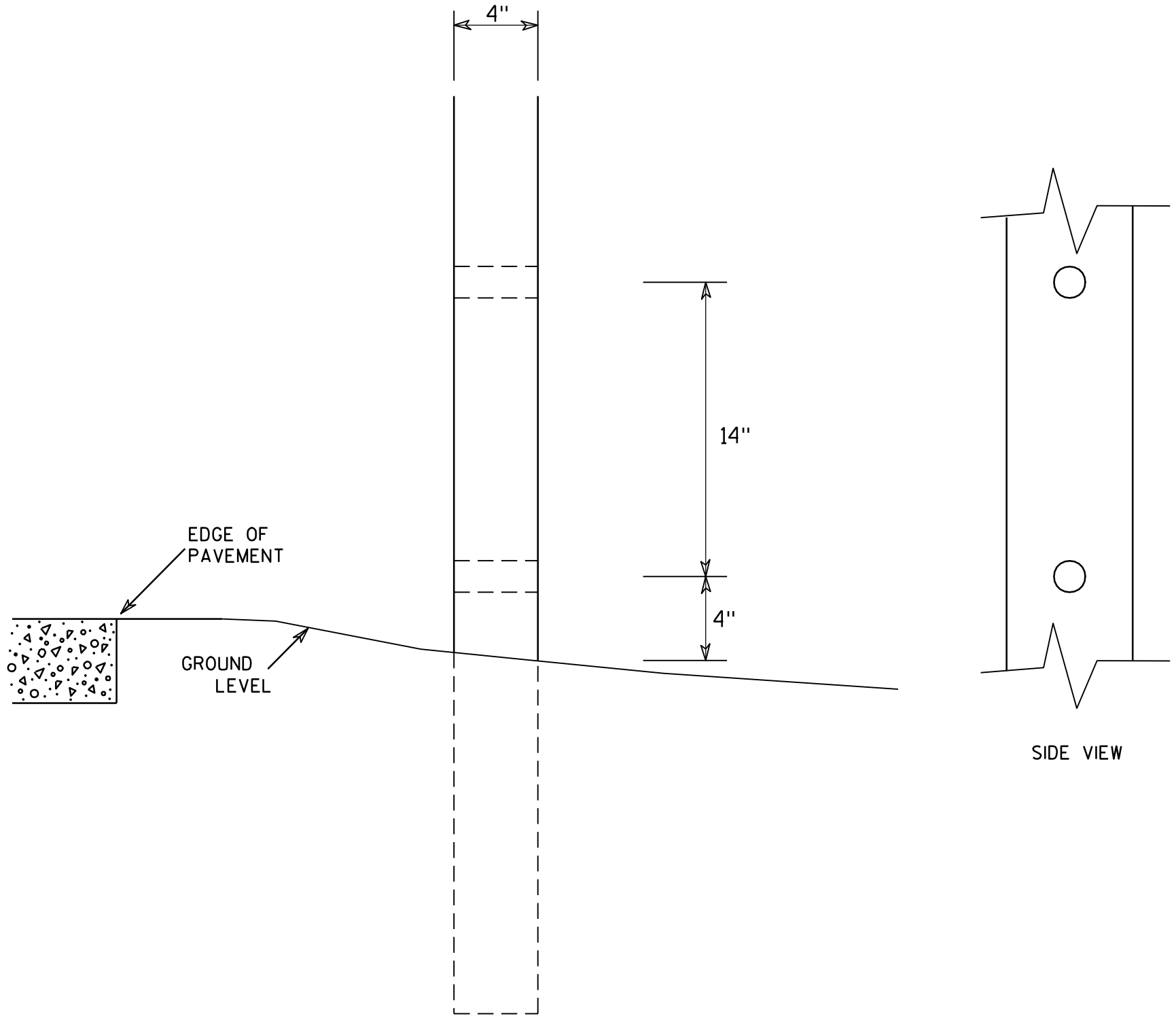
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 177 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

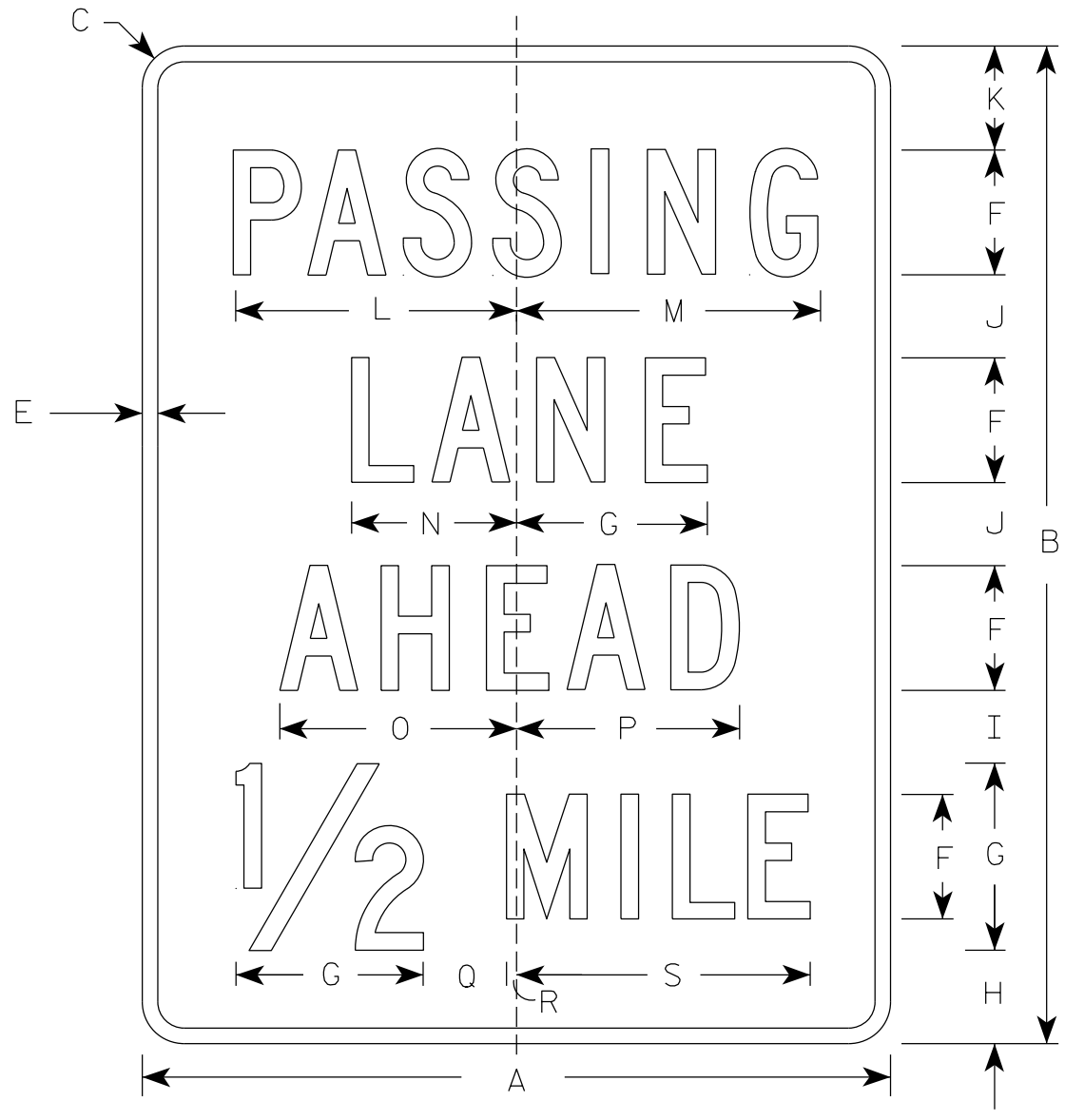
4 X 6 WOOD POST MODIFICATIONS

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: 178	E



D17-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   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																											
2S	36	48	2 1/4		3/4	6	9	4 1/2	3 1/2	4	5	13 5/8	14 1/2	8	11 3/8	10 3/4	4	1/2	14 1/8								12.0
2M	36	48	2 1/4		3/4	6	9	4 1/2	3 1/2	4	5	13 5/8	14 1/2	8	11 3/8	10 3/4	4	1/2	14 1/8								12.0
3																											
4																											
5																											

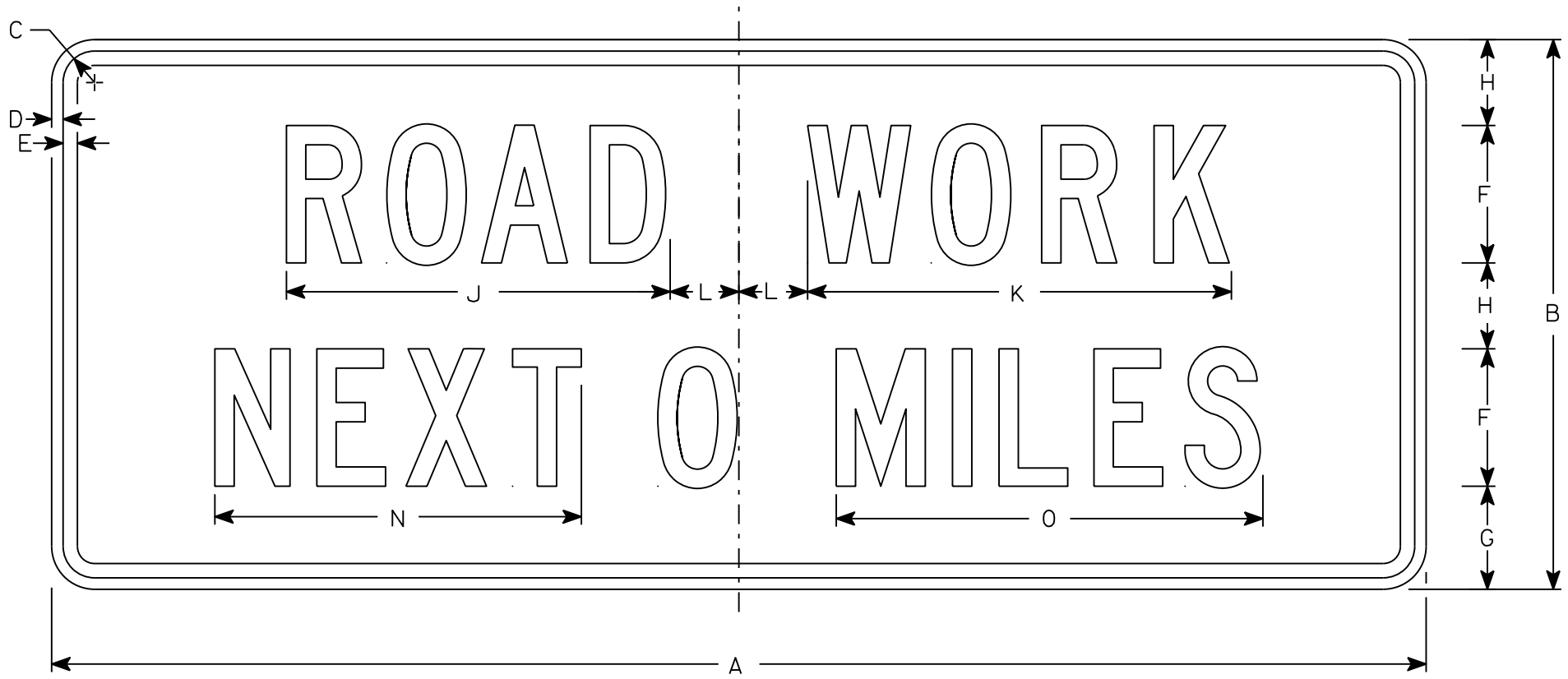
STANDARD SIGN
D17-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 4/18/2019 PLATE NO. D17-2.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 179	E



G20-1

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. 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 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

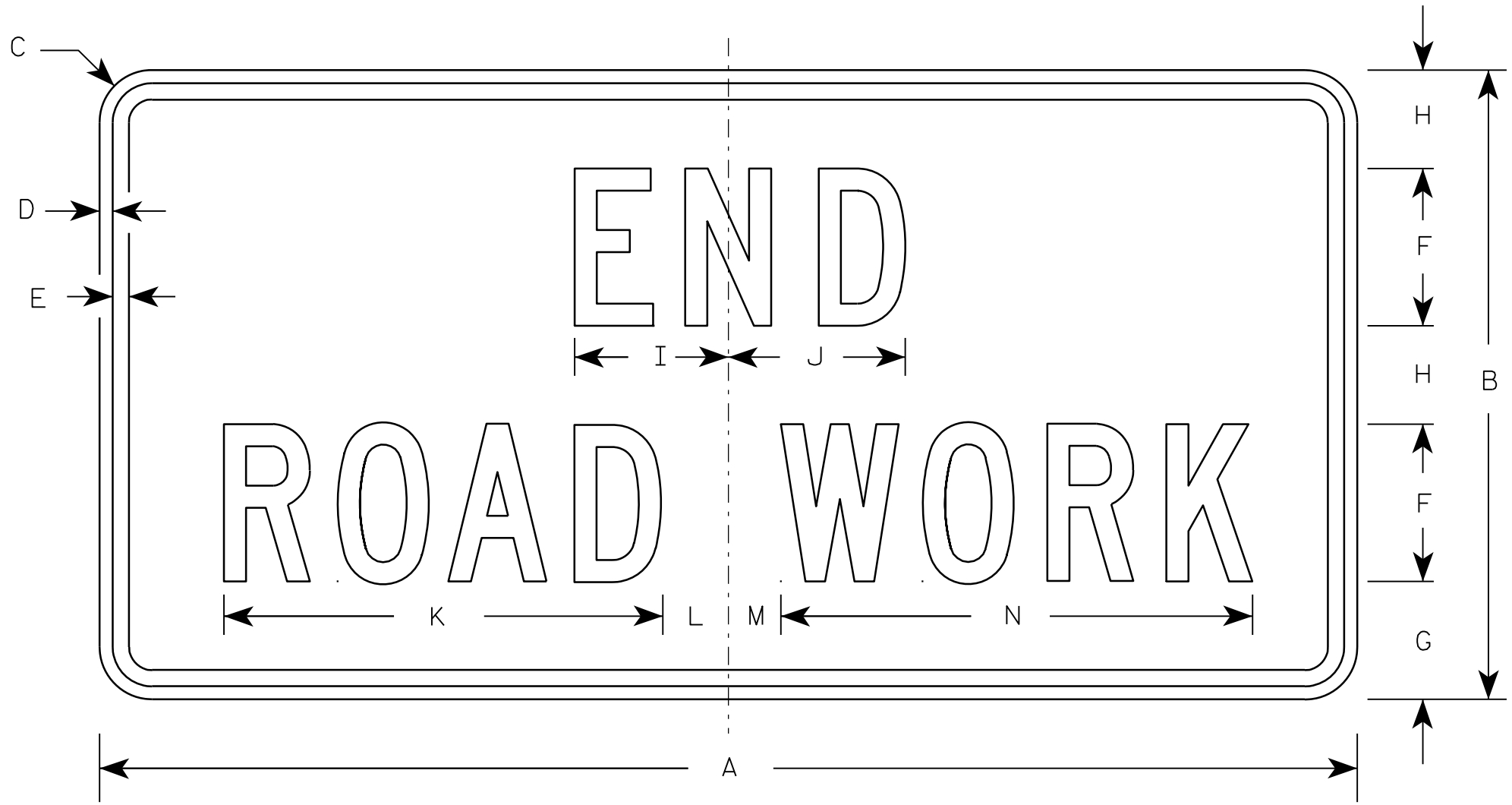
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 180 | 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

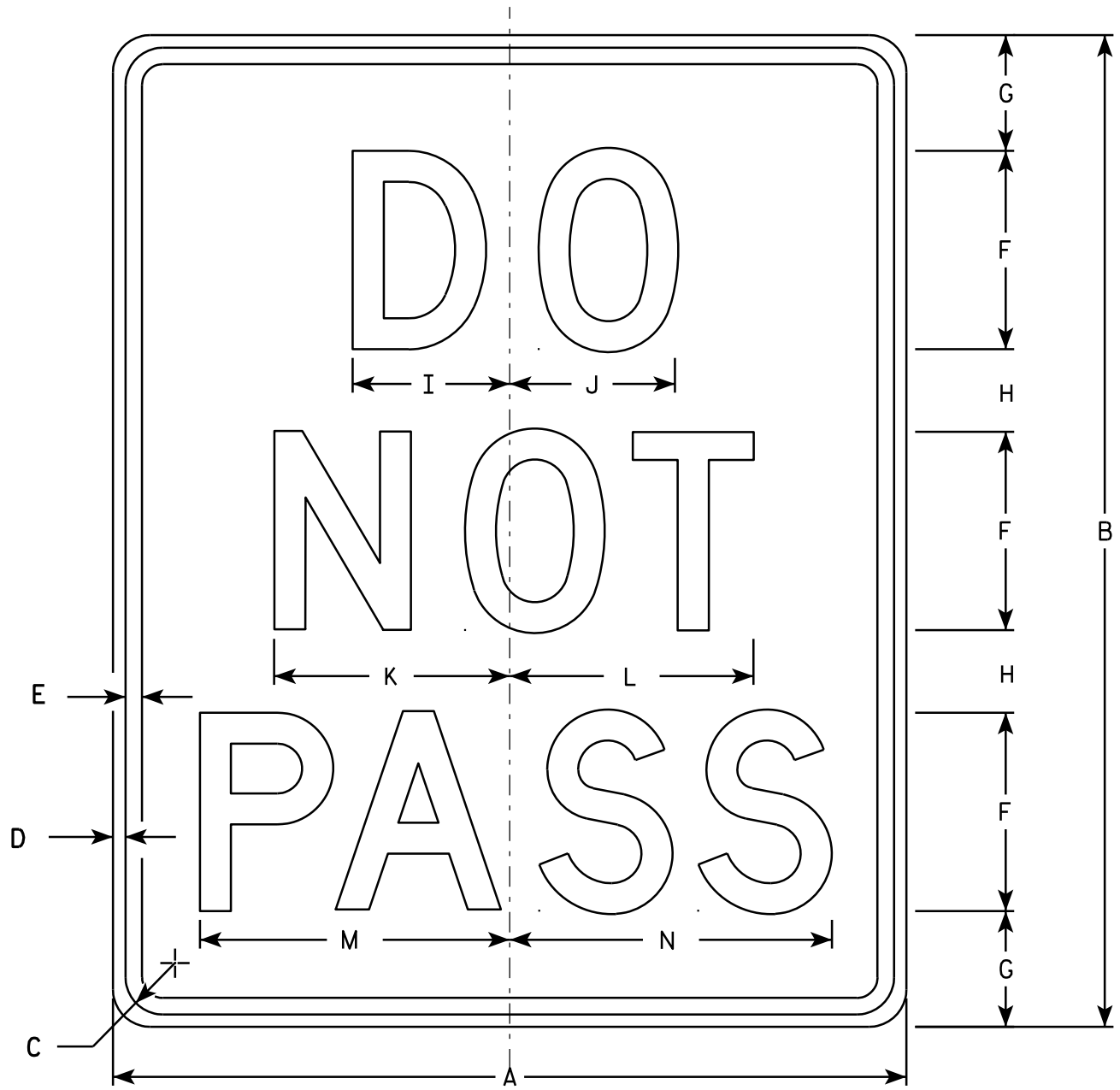
STANDARD SIGN
G20-2A

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: 181	E



R4-1

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 - 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.

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	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

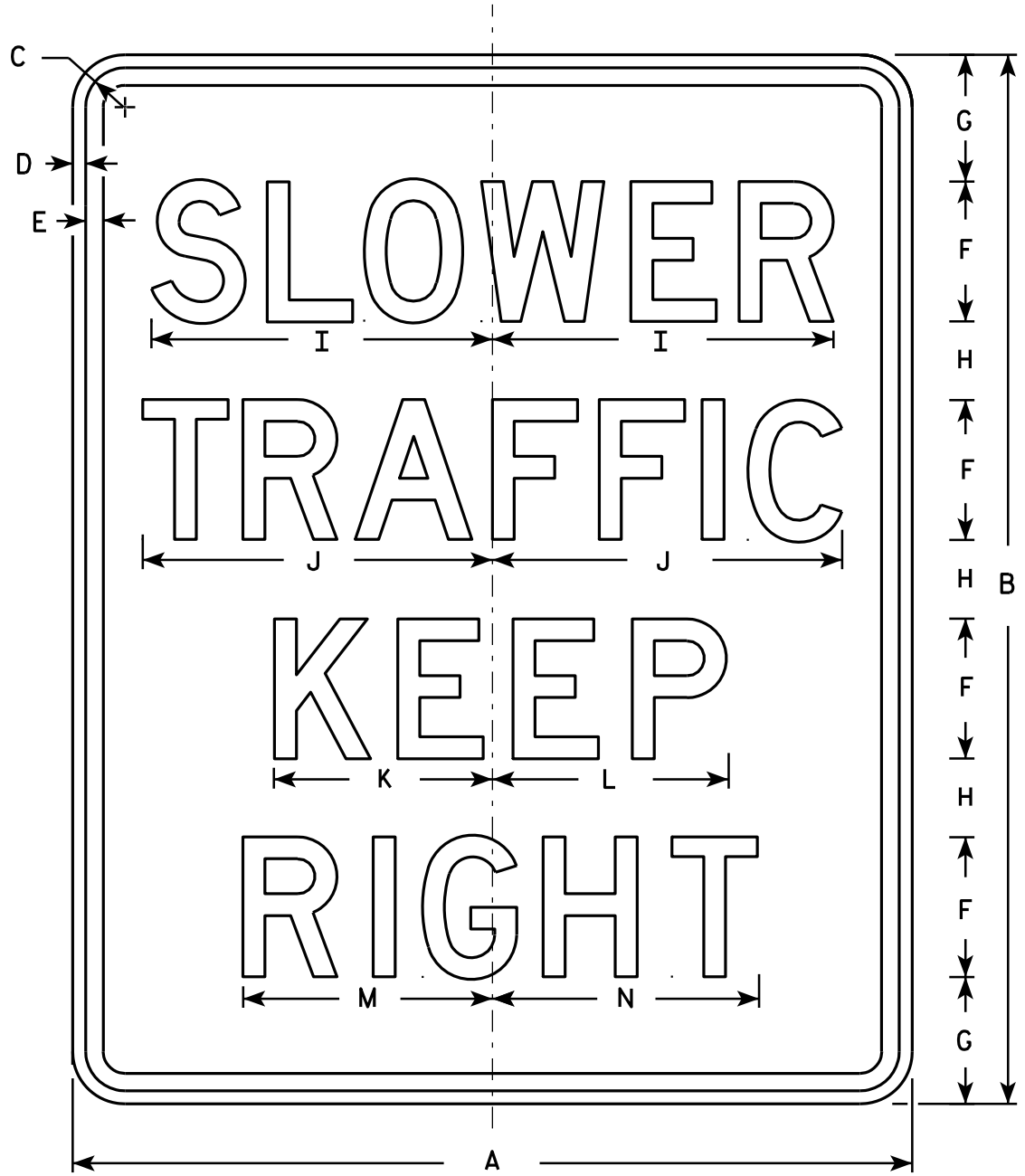
STANDARD SIGN
R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 182 | E



R4-3

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 - 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.

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	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

SHEET NO: 183 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R4-53

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.

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	54		1 5/8	5/8	3/4	6	5	3 1/2	7 3/4	9 1/2	2 1/4	15 1/4	9	16 7/8	18 3/4	8 1/8		5 1/2	22 5/8	17 1/8							20.25
2M	54		1 5/8	5/8	3/4	6	5	3 1/2	7 3/4	9 1/2	2 1/4	15 1/4	9	16 7/8	18 3/4	8 1/8		5 1/2	22 5/8	17 1/8							20.25
3																											
4																											
5																											

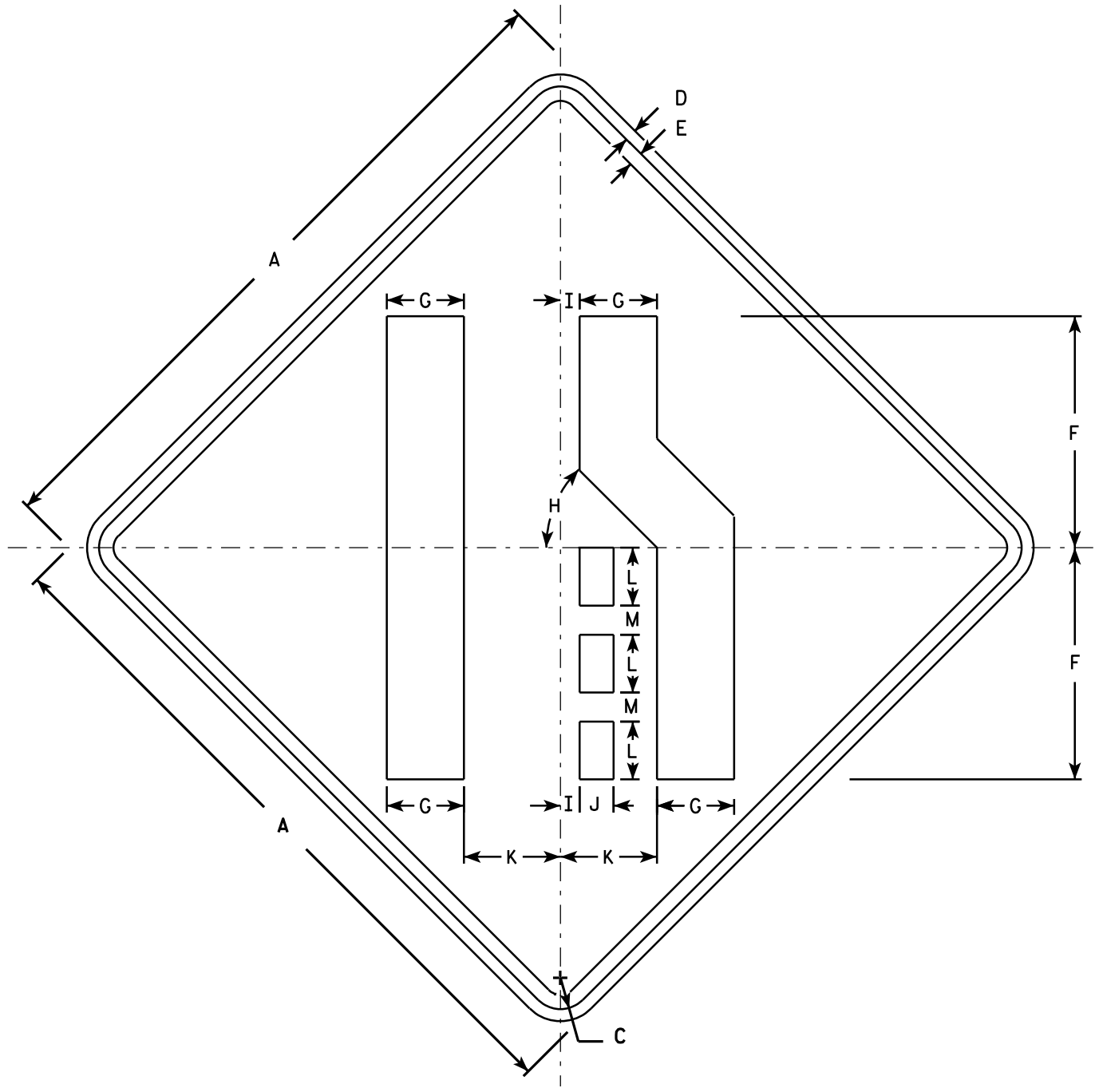
STANDARD SIGN
R4-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/2/10 PLATE NO. R4-53.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 184 | E



W4-2R

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. 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. W4-2L is the same as W4-2R except the symbol 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	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

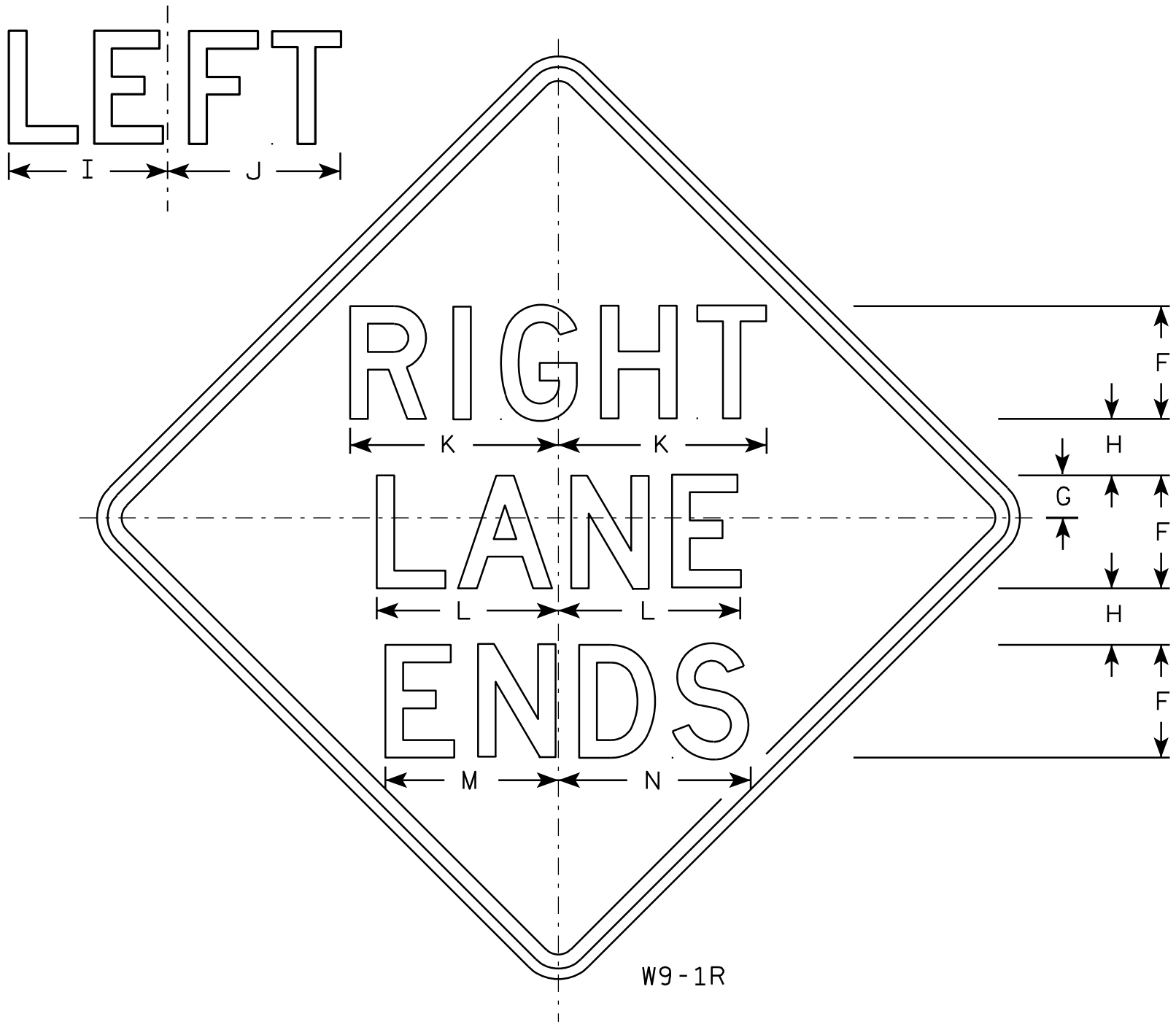
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 185 E



W9-1R

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 - 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. W9-1L same as W9-1R except the word Left replaces 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	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

SHEET NO: 186 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W91.DGN PLOT DATE : 18-MAR-2013 11:42 PLOT BY : mscsja

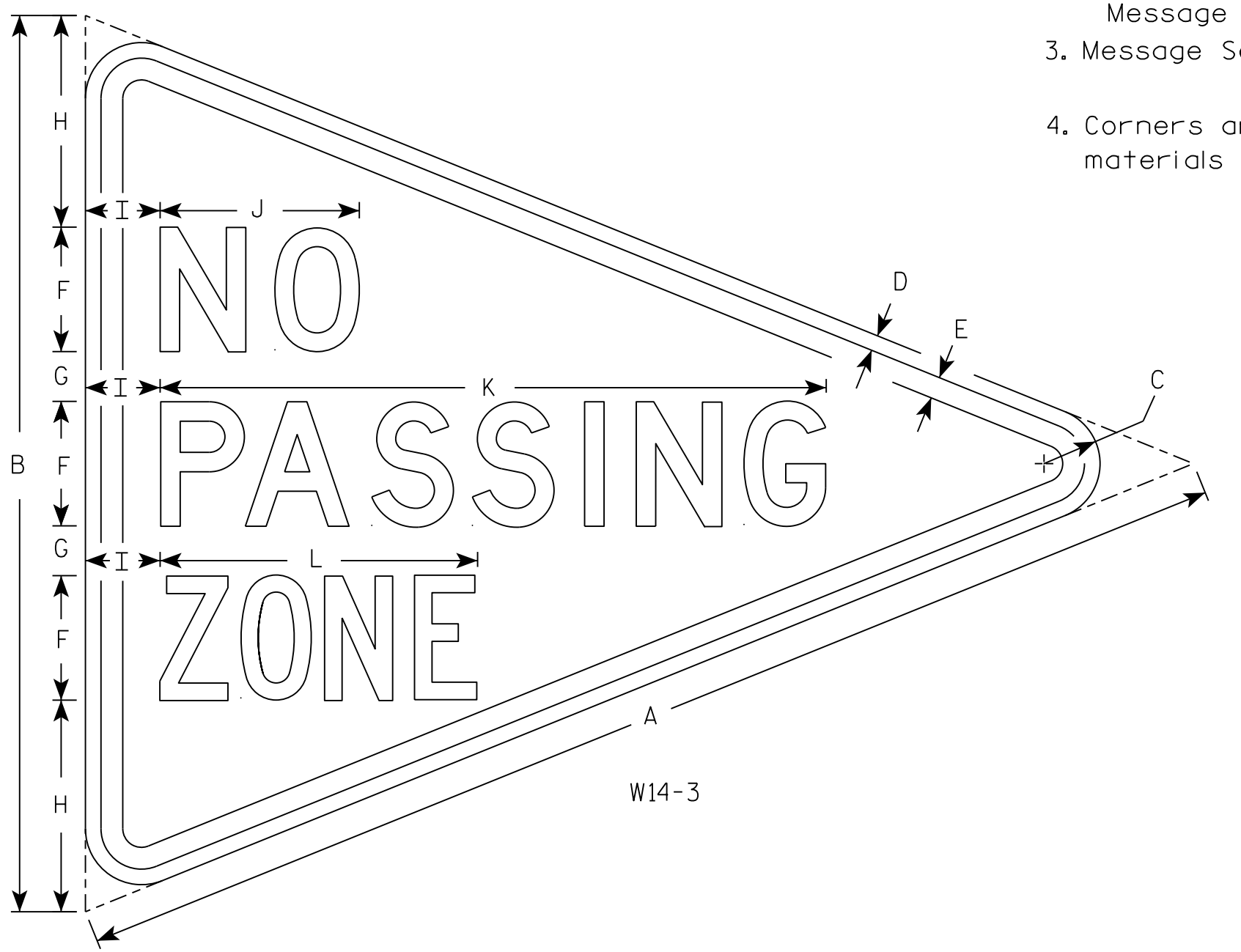
WISDOT/CADDS SHEET 42

7

7

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

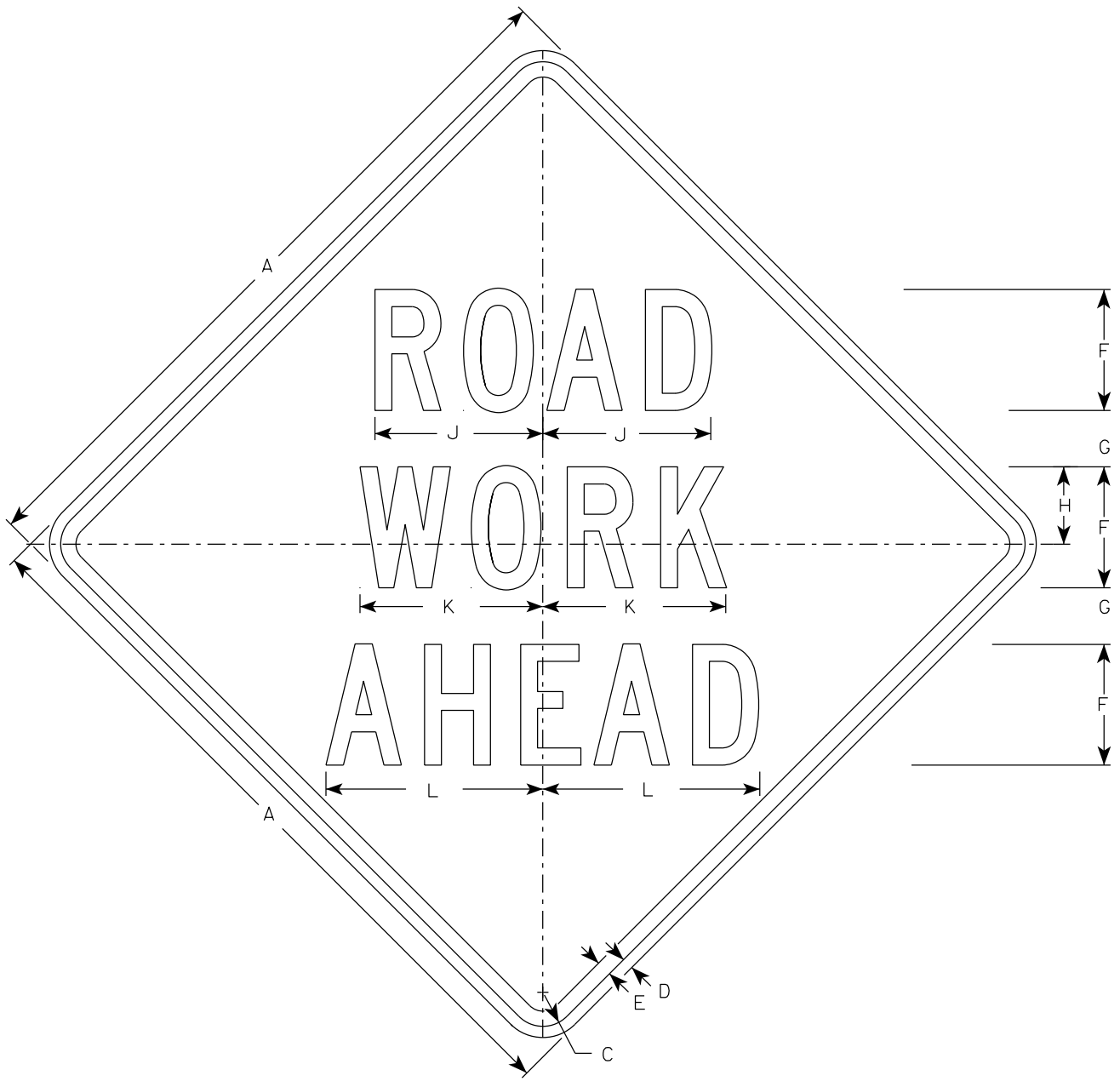
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

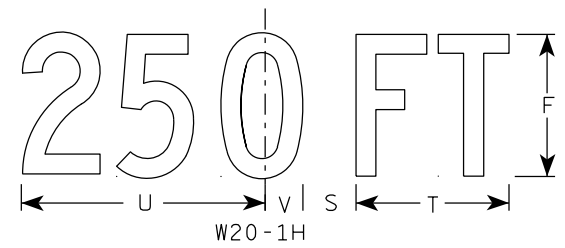
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 187 | E

NOTES

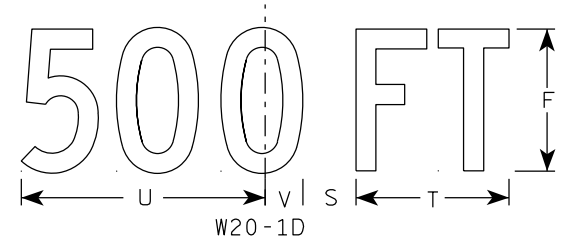
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



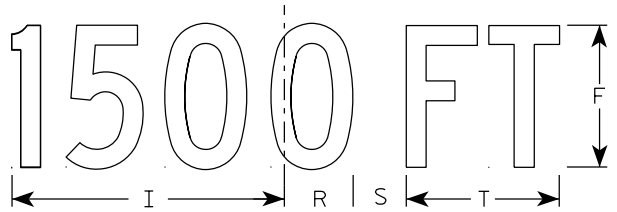
W20-1H



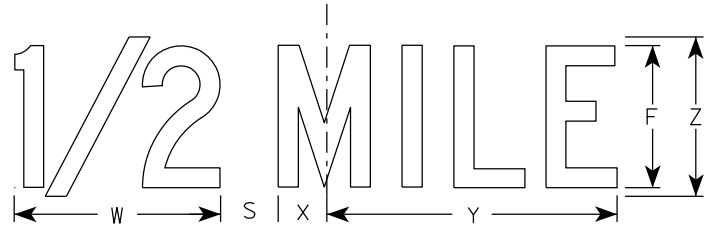
W20-1D



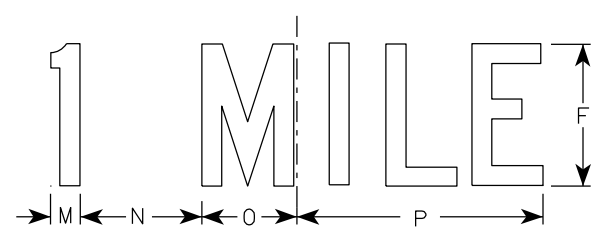
W20-1C



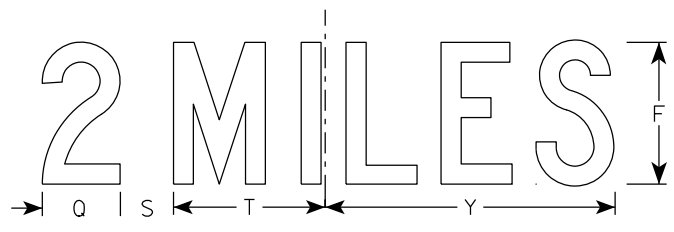
W20-1B



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

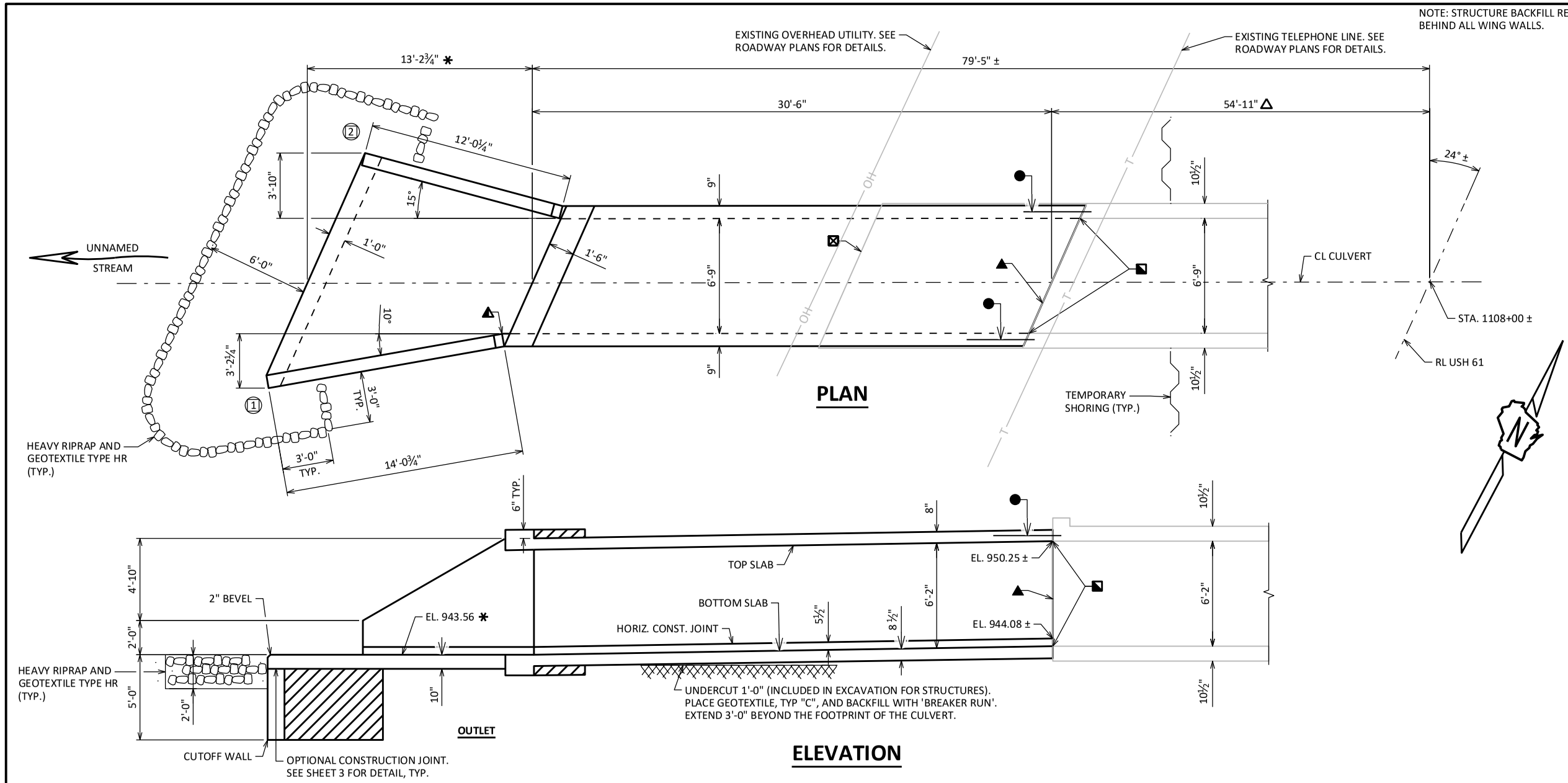
7

7

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

STATE PROJECT NUMBER
1650-06-72

- ▲ SEE CORNER DETAILS ON "DETAILS" SHEET
- ✱ BUILD APRON AND END OF BOX LEVEL
- ⓝ INDICATES WING NUMBER
- △ EXIST. BARREL TO REMAIN IN PLACE
- ◥ INSIDE WALLS & SLABS TO MATCH EXISTING (TYP.)
- ⊠ REMOVE EXISTING APRON AND WINGS. EXTEND BAR STEEL REINFORCEMENT IN BOTTOM SLAB 2'-0" INTO NEW WORK.
- ● ADHESIVE ANCHORS NO. 5 BARS, EMBED 6" INTO SOUND CONCRETE AND SPACE AT 1'-0" CENTERS. (TYP. IN ALL WALLS AND TOP SLAB)
- ▲ VERT. CONST. JOINT (TYP.) SEE SHEET 2 FOR DETAILS



DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.05
OPERATING RATING: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 (KIPS)

EARTHLOAD:

DESIGNED FOR 9 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY ——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT ——— f_y = 60,000 PSI

TRAFFIC DATA

USH 61
ADT = 3,400 (2034)
R.D.S. = 55 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE C-22-146	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-22-146	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	382
311.0115	BREAKER RUN	CY	25
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	23
504.0100	CONCRETE MASONRY CULVERTS	CY	35
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	3,280
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	720
511.1200	TEMPORARY SHORING C-22-146	SF	160
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	13
606.0300	RIPRAP HEAVY	CY	14
645.0105	GEOTEXTILE TYPE C	SY	77
645.0120	GEOTEXTILE TYPE HR	SY	39
	NON-BID ITEMS		
	FILLER	SIZE	½", ¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-22-146" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE B WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO 6" BELOW TOP OF BOTTOM SLAB.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS

STRUCTURE DESIGN CONTACTS:
MICAH BROOKS 608-266-5080
LAURA SHADEWALD 608-267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES
ACCEPTED LLS 11/2/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-22-146

USH 61 OVER UNNAMED STREAM

COUNTY	TOWN
GRANT	POTOSI

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
MWB	AA	MWB	AA

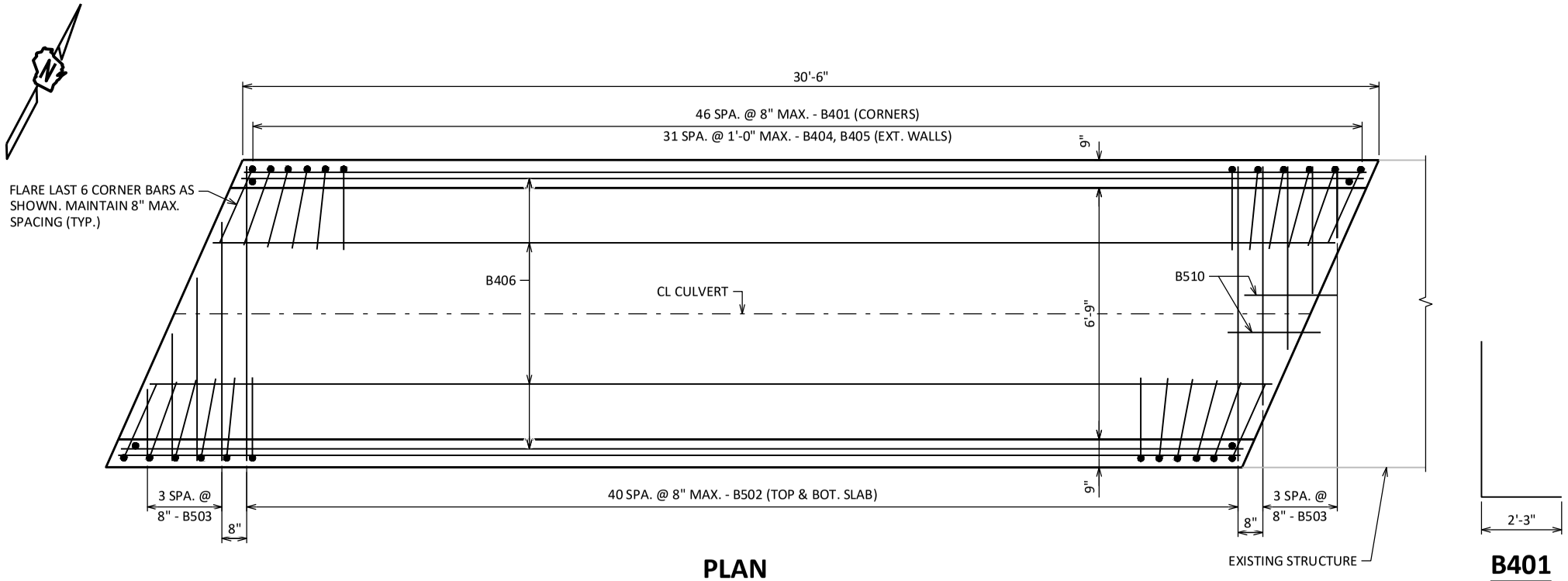
LAYOUT

SHEET 1 OF 4
189

I.D. 1650-06-02A
DATE: NOV. 2022
SCALE = 7

STATE PROJECT NUMBER

1650-06-72



PLAN

HEADER NOT SHOWN FOR CLARITY

BILL OF BARS

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

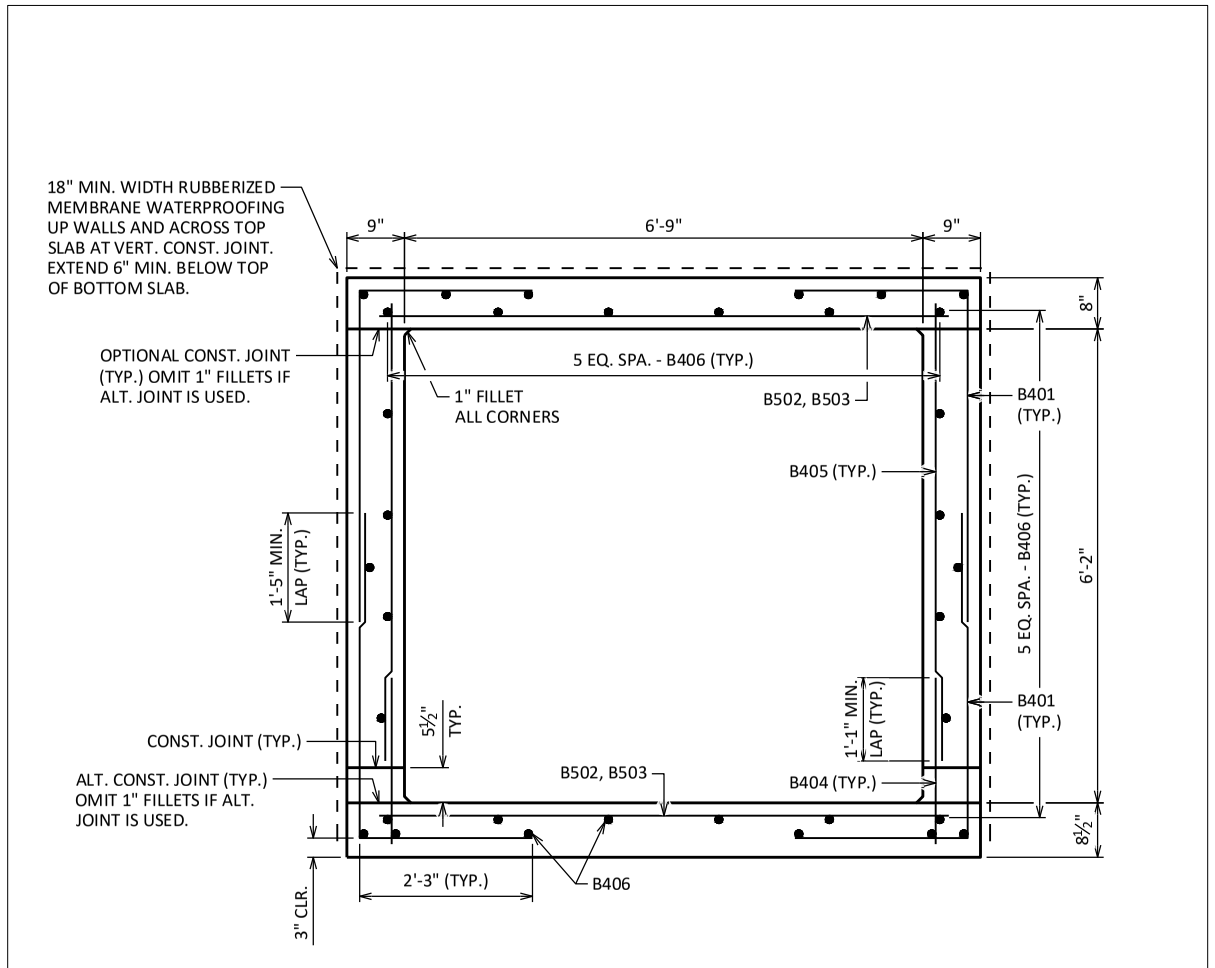
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B401		188	6'-5"	X		CORNERS
B502		82	7'-11"			TOP & BOT. SLAB - HORIZ.
B503		16	4'-2"		⚠	TOP & BOT. SLAB - HORIZ. - AT ENDS
B404		64	2'-2"			WALLS - VERT. - DOWELS
B405		64	6'-0"			WALLS - VERT.
B406		34	30'-2"			TOP & BOT. SLAB & WALLS - LONGIT.
B307		12	4'-2"	X		BOT. HEADER - VERT.
B308		12	4'-1"	X		TOP HEADER - VERT.
B709		12	8'-8"			HEADERS - HORIZ.
B510		23	2'-6"			VERT. CONST. JOINT - ANCHORS

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

⚠ BAR SERIES TABLE

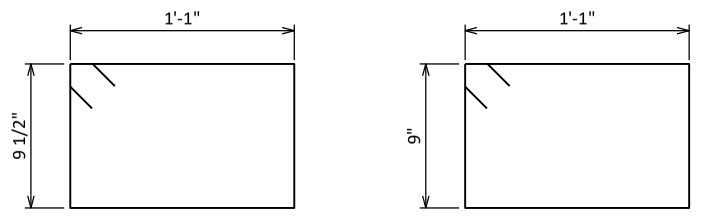
BUNDLE AND TAG EACH SERIES SEPARATELY.

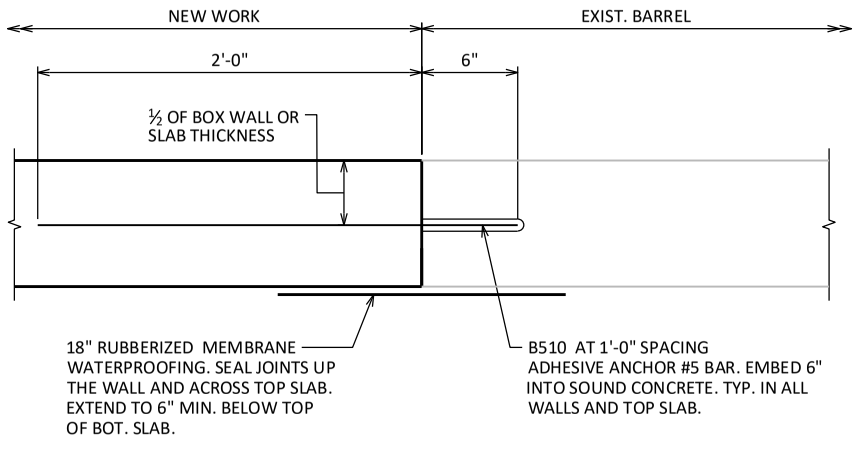
BAR MARK	NO. REQ'D	LENGTH
B503	4 SERIES OF 4	1'-11" TO 6'-5"



SECTION THRU BOX

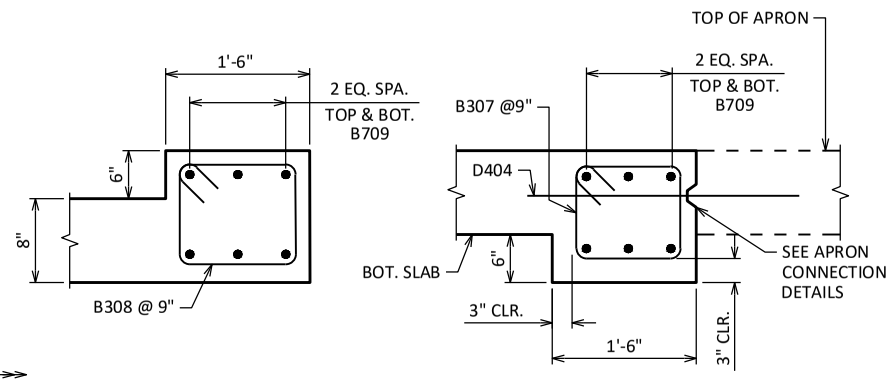
ALL LONGITUDINAL BARS NOT LABELED ARE B406 AS SHOWN





VERTICAL CONSTRUCTION JOINT

TYPICAL WALLS AND TOP SLAB



TOP SLAB

BOTTOM SLAB

SECTION THRU HEADERS

HEADERS ARE LOCATED AT WEST END OF BOX AS SHOWN ON "LAYOUT" SHEET

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-146

DRAWN BY MWB | PLANS CK'D AA

BOX DETAILS

SHEET 2
190

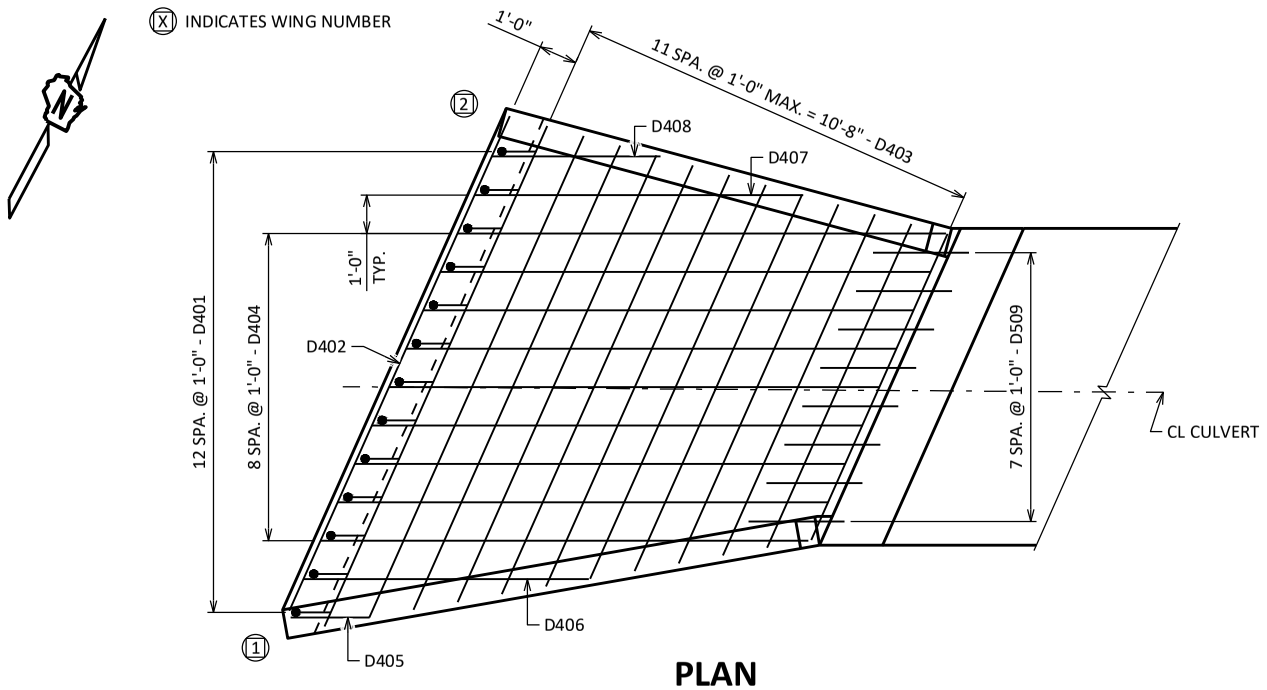
SCALE = 4

8

8

STATE PROJECT NUMBER

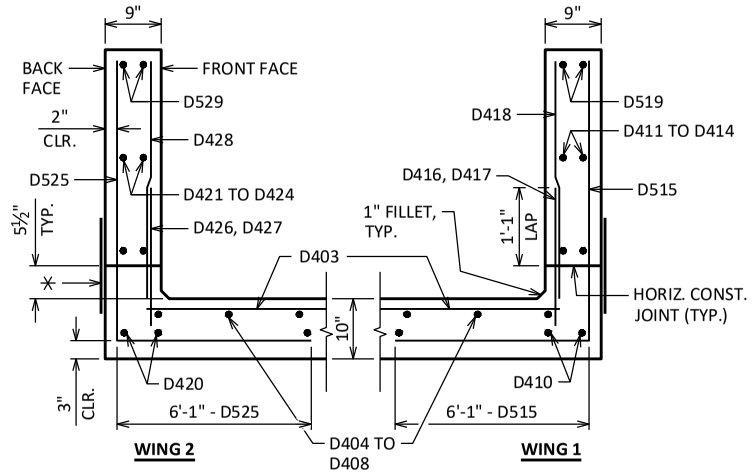
1650-06-72



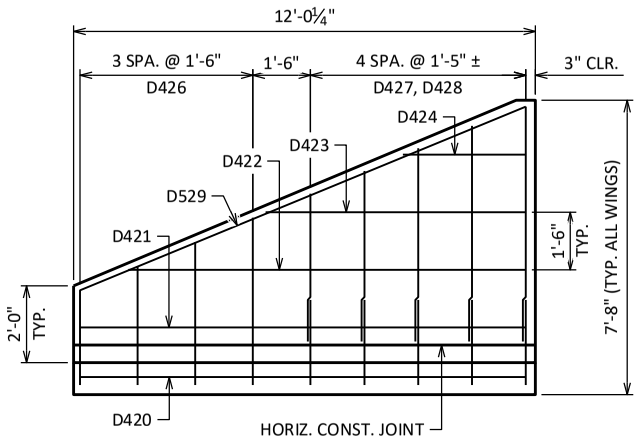
PLAN

SHOWING APRON REINFORCMENT

✳ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE LENGTH OF WING, TYP.

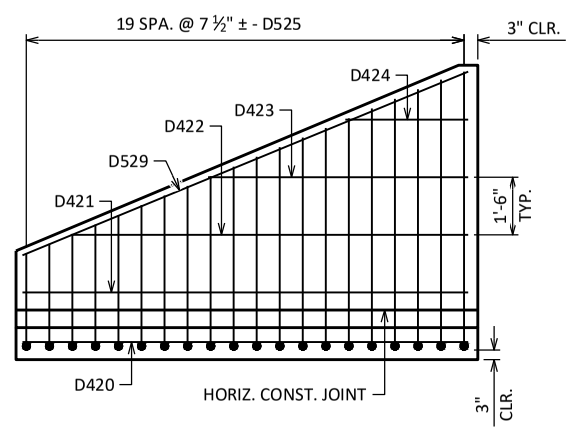


SECTION THRU WINGS



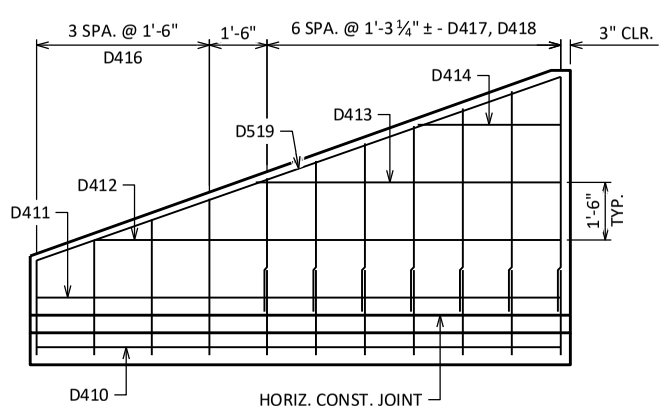
WING 2

SHOWING F.F. REINFORCEMENT



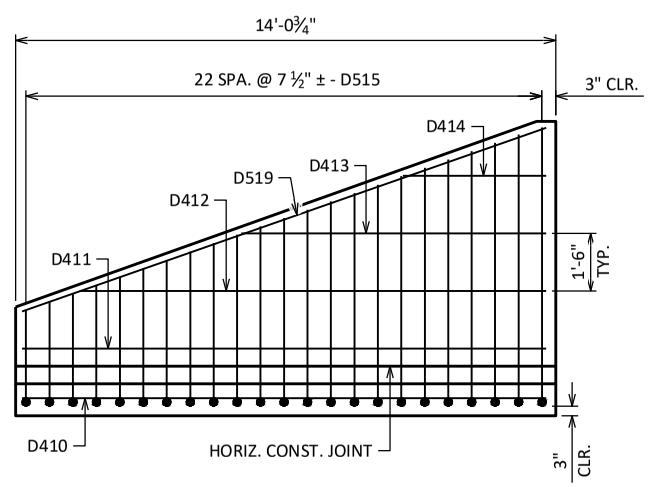
WING 2

SHOWING B.F. REINFORCEMENT



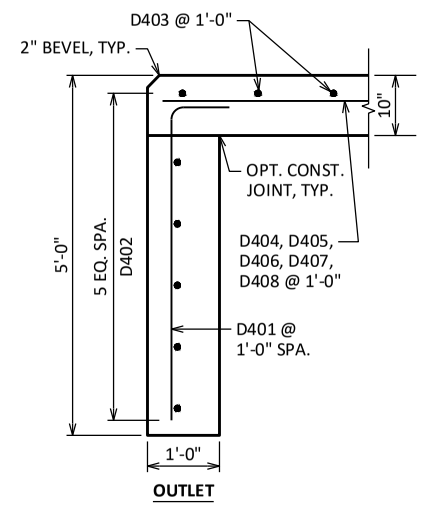
WING 1

SHOWING F.F. REINFORCEMENT

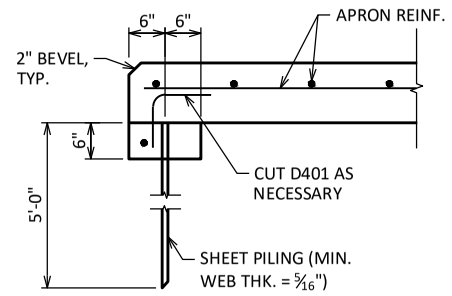


WING 1

SHOWING B.F. REINFORCEMENT



CUT-OFF WALLS



ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-146

DRAWN BY MWB | PLANS CK'D AA

APRON DETAILS

SHEET 3
191

SCALE = 5

8

8

STATE PROJECT NUMBER

1650-06-72

BILL OF BARS

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

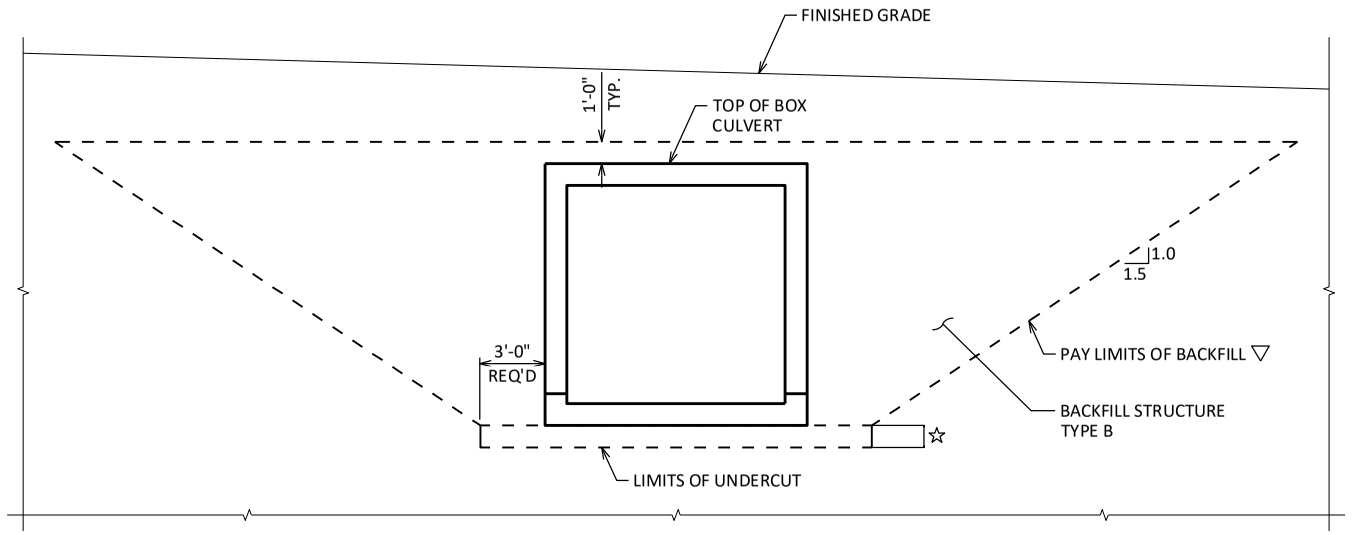
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		13	5'-7"	X		OUTLET CUTOFF WALL - VERT.
D402		6	14'-1"			OUTLET CUTOFF WALL - HORIZ.
D403		12	11'-6"		⚠	OUTLET APRON - TRANS.
D404		9	12'-9"			OUTLET APRON - LONGIT.
D405		1	2'-1"			OUTLET APRON - LONGIT.
D406		1	7'-5"			OUTLET APRON - LONGIT.
D407		1	8'-7"			OUTLET APRON - LONGIT.
D408		1	4'-5"			OUTLET APRON - LONGIT.
D509		8	4'-0"			OUTLET APRON - CONST. JOINT
D410		3	13'-8"			WING 1 - HORIZ. - IN APRON
D411	X	2	13'-8"			WING 1 - HORIZ. - BOTH FACES
D412	X	2	12'-2"			WING 1 - HORIZ. - BOTH FACES
D413	X	2	7'-11"			WING 1 - HORIZ. - BOTH FACES
D414	X	2	3'-9"			WING 1 - HORIZ. - BOTH FACES
D515	X	23	10'-11"	X	⚠	WING 1 - VERT. - B.F.
D416	X	4	3'-4"		⚠	WING 1 - VERT. - F.F.
D417	X	7	2'-3"			WING 1 - VERT. - F.F. DOWELS
D418	X	7	4'-10"		⚠	WING 1 - VERT. - F.F.
D519	X	2	14'-6"			WING 1 - TOP
D420		3	11'-7"			WING 2 - HORIZ. - IN APRON
D421	X	2	11'-7"			WING 2 - HORIZ. - BOTH FACES
D422	X	2	10'-4"			WING 2 - HORIZ. - BOTH FACES
D423	X	2	6'-9"			WING 2 - HORIZ. - BOTH FACES
D424	X	2	3'-2"			WING 2 - HORIZ. - BOTH FACES
D525	X	20	10'-11"	X	⚠	WING 2 - VERT. - B.F.
D426	X	4	3'-5"		⚠	WING 2 - VERT. F.F.
D427	X	5	2'-3"			WING 2 - VERT. - F.F. DOWELS
D428	X	5	5'-0"		⚠	WING 2 - VERT. F.F.
D529	X	2	12'-7"			WING 2 - TOP

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

⚠ BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 12	8'-9" TO 14'-3"
D515	1 SERIES OF 23	8'-7" TO 13'-3"
D416	1 SERIES OF 4	2'-6" TO 4'-1"
D418	1 SERIES OF 7	3'-6" TO 6'-2"
D525	1 SERIES OF 20	8'-7" TO 13'-3"
D426	1 SERIES OF 4	2'-6" TO 4'-4"
D428	1 SERIES OF 5	3'-10" TO 6'-2"



TYPICAL SECTION THRU BOX CULVERT

▽ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

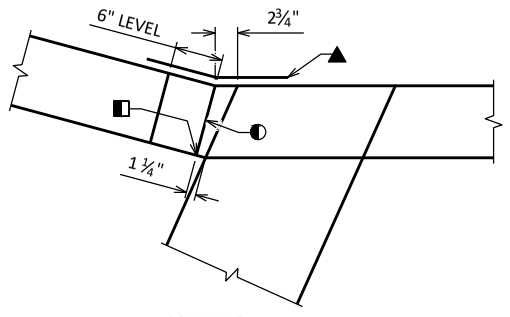
☆ UNDERCUT 1'-0". EXCAVATION FOR UNDER CUT IS TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE FABRIC TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMIN IF "OTHER GRANULAR MATERIAL" IS ACCEPTIBLE.

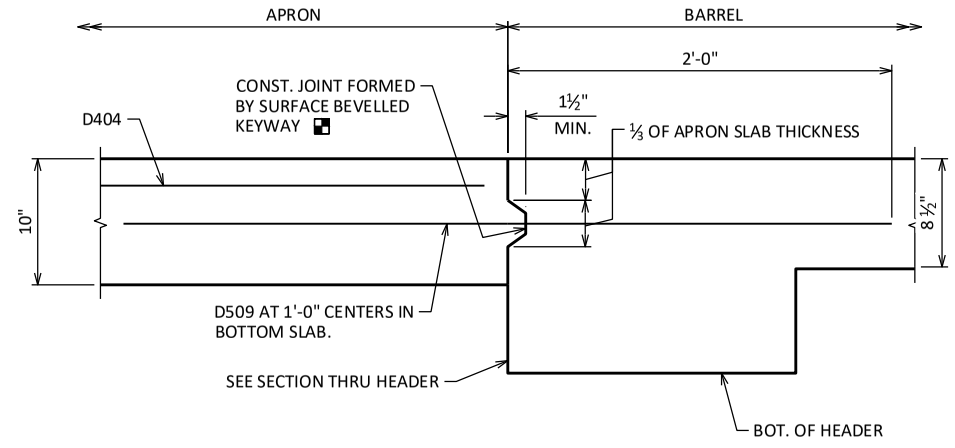
◐ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◧ 1" BEVEL (TYP.)

▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.

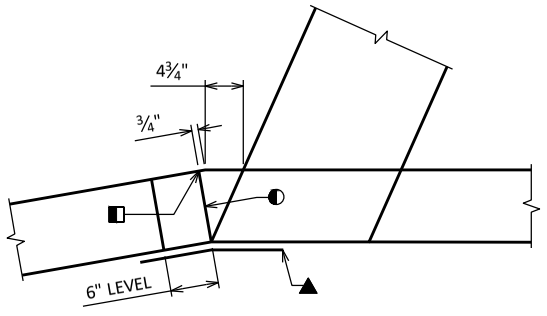


CORNER 2



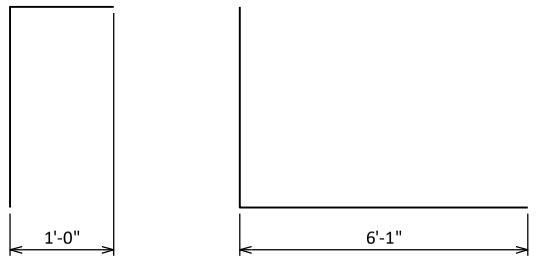
APRON CONNECTION DETAIL

◪ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. D509 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.



CORNER 1

CORNER DETAILS



D401

D515, D525

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-146

DRAWN BY MWB | PLANS CK'D AA

DETAILS

SHEET 4
192

SCALE = 2

8

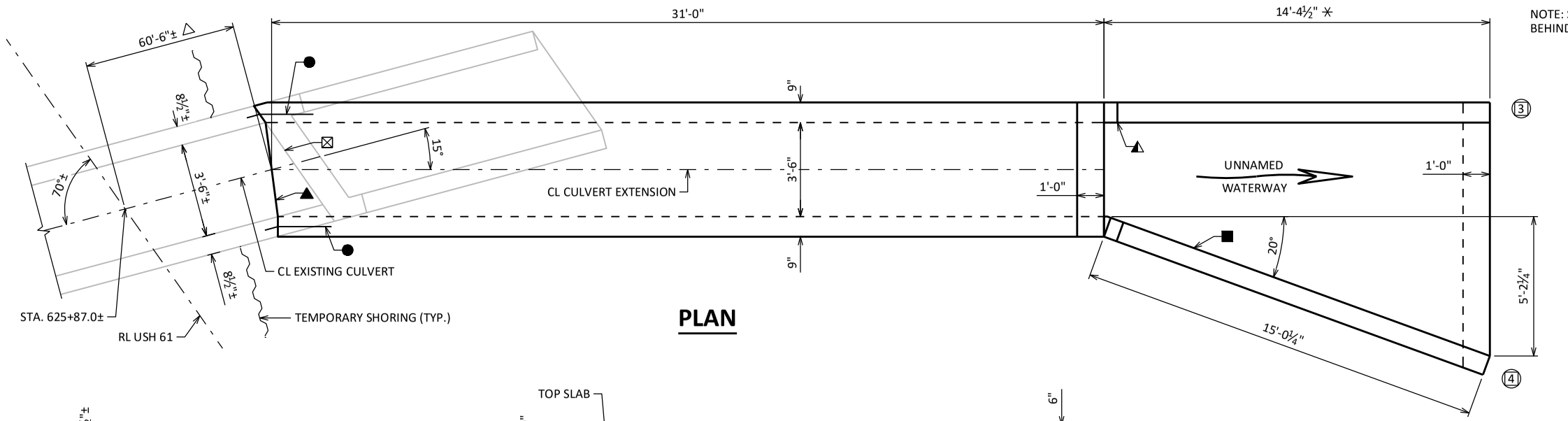
8

STATE PROJECT NUMBER

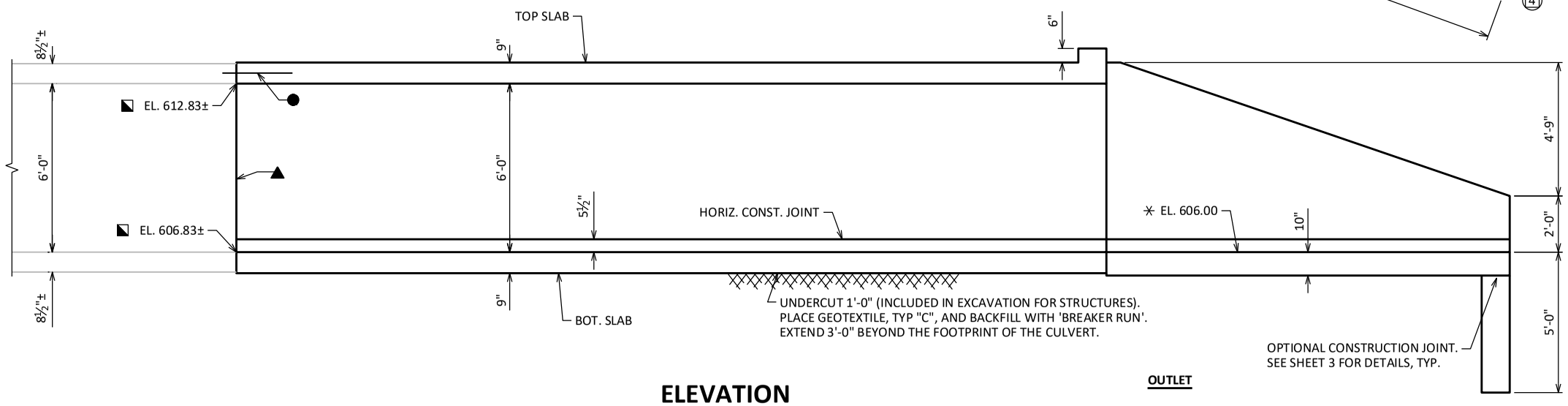
1650-06-72

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

- ▲ SEE CORNER DETAILS ON "DETAILS" SHEET
- ■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)
- ✳ BUILD APRON AND END OF BOX LEVEL
- ⓝ INDICATES WING NUMBER
- △ EXIST. BARREL TO REMAIN IN PLACE
- ◪ INSIDE WALLS & SLABS TO MATCH EXISTING (TYP.)
- ⊠ REMOVE EXISTING APRON AND WINGS. EXTEND BAR STEEL REINFORCEMENT IN BOTTOM SLAB 2'-0" INTO NEW WORK. (TYP. BOTH SIDES)
- ● ADHESIVE ANCHORS NO. 5 BARS, EMBED 6" INTO SOUND CONCRETE AND SPACE AT 1'-0" CENTERS. (TYP. IN ALL WALLS AND TOP SLAB)
- ▲ VERT. CONST. JOINT (TYP.) SEE SHEET 2 FOR DETAILS



PLAN



ELEVATION

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS

STRUCTURE DESIGN CONTACTS:

MICAH BROOKS	608-266-5080
LAURA SHADEWALD	608-267-9592

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.05
OPERATING RATING: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 (KIPS)

EARTHLOAD:

DESIGNED FOR 18 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY ——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT ——— f_y = 60,000 PSI

TRAFFIC DATA

FEATURE ON:

ADT = 4,600 (2034)
R.D.S. = 55 MPH

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBERS	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE C-22-212	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-22-212	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	378
311.0115	BREAKER RUN	CY	20
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	17
504.0100	CONCRETE MASONRY CULVERTS	CY	28
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,320
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	760
511.1200	TEMPORARY SHORING C-22-212	SF	160
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	13
645.0105	GEOTEXTILE TYPE C	SY	64
	NON-BID ITEMS		
	FILLER	SIZE	¾"

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-22-212" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE B WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO 6" BELOW TOP OF BOTTOM SLAB.

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED LLS 11/1/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-22-212

STH 61 OVER UNNAMED WATERWAY

COUNTY	TOWN
GRANT	PARIS

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
MWB	AA	MWB	AA

LAYOUT

SHEET 1 OF 4
193

SCALE = 5

I.D. 1650-06-02H

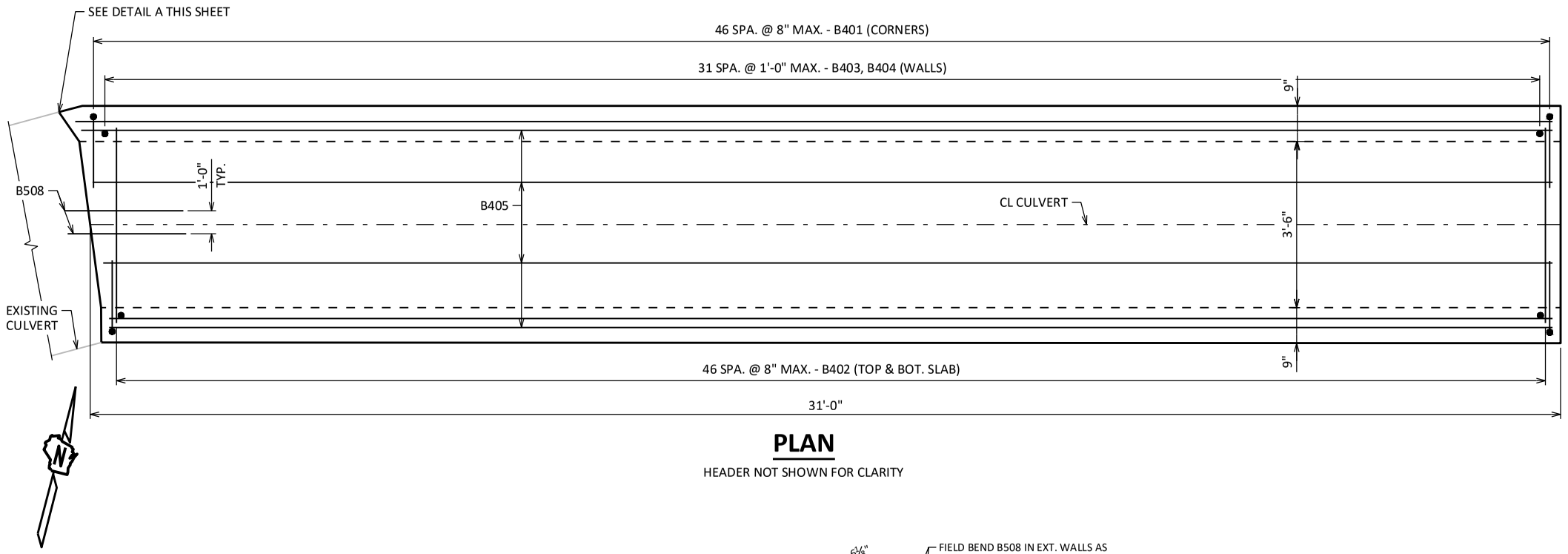
DATE: OCT. 2022

8

8

STATE PROJECT NUMBER

1650-06-72



PLAN

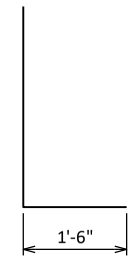
HEADER NOT SHOWN FOR CLARITY

BILL OF BARS

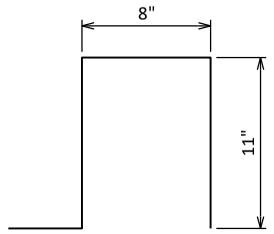
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B401		188	5'-9"	X		CORNERS
B402		94	4'-6"			TOP & BOT. SLAB - HORIZ.
B403		64	2'-2"			WALLS - VERT. - DOWELS
B404		64	5'-10"			WALLS - VERT.
⬟ B405		30	31'-1"			TOP & BOT. SLAB & WALLS - LONGIT.
B306		8	2'-9"	X		OUTLET HEADER - VERT.
B407		2	4'-8"			OUTLET HEADER - HORIZ.
B508		17	2'-6"			VERT. CONST. JOINT - ANCHORS

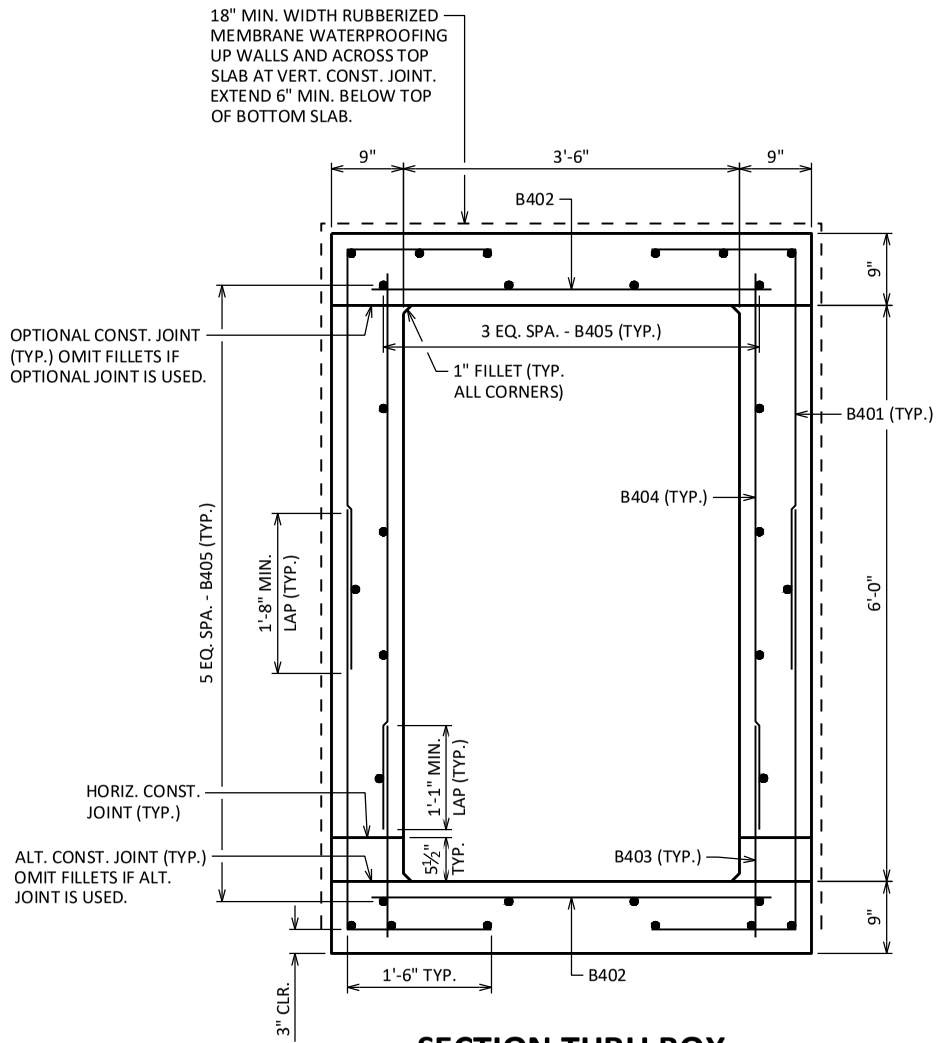
⬟ FIELD CUT AS NECESSARY TO MAINTAIN 2" CLEAR COVER



B401

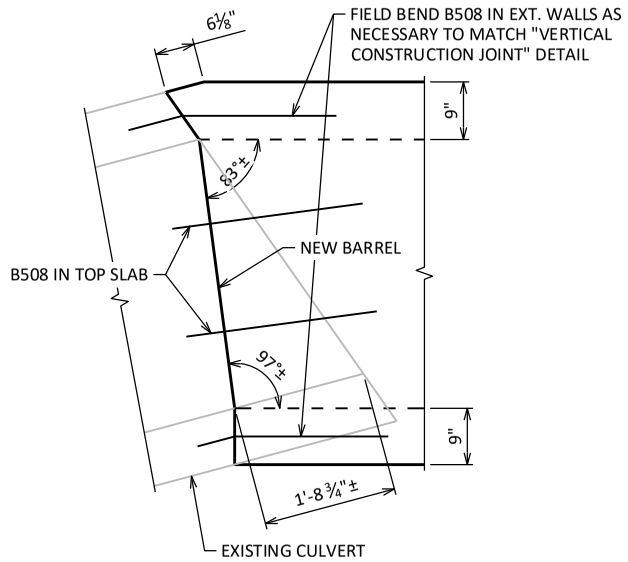


B306

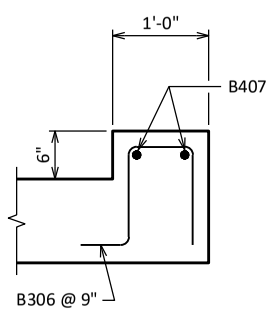


SECTION THRU BOX

ALL BARS NOT LABELED ARE B405 AS SHOWN

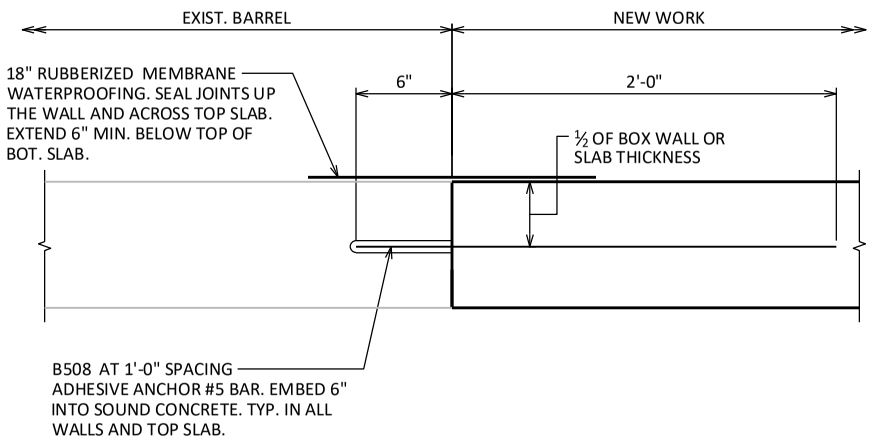


DETAIL A



SECTION THRU HEADER

HEADER IS LOCATED AT EAST END OF BOX AS SHOWN ON "LAYOUT" SHEET



VERTICAL CONSTRUCTION JOINT

TYPICAL WALLS AND TOP SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-212

DRAWN BY MWB | PLANS CK'D AA

BOX DETAILS

SHEET 2
194

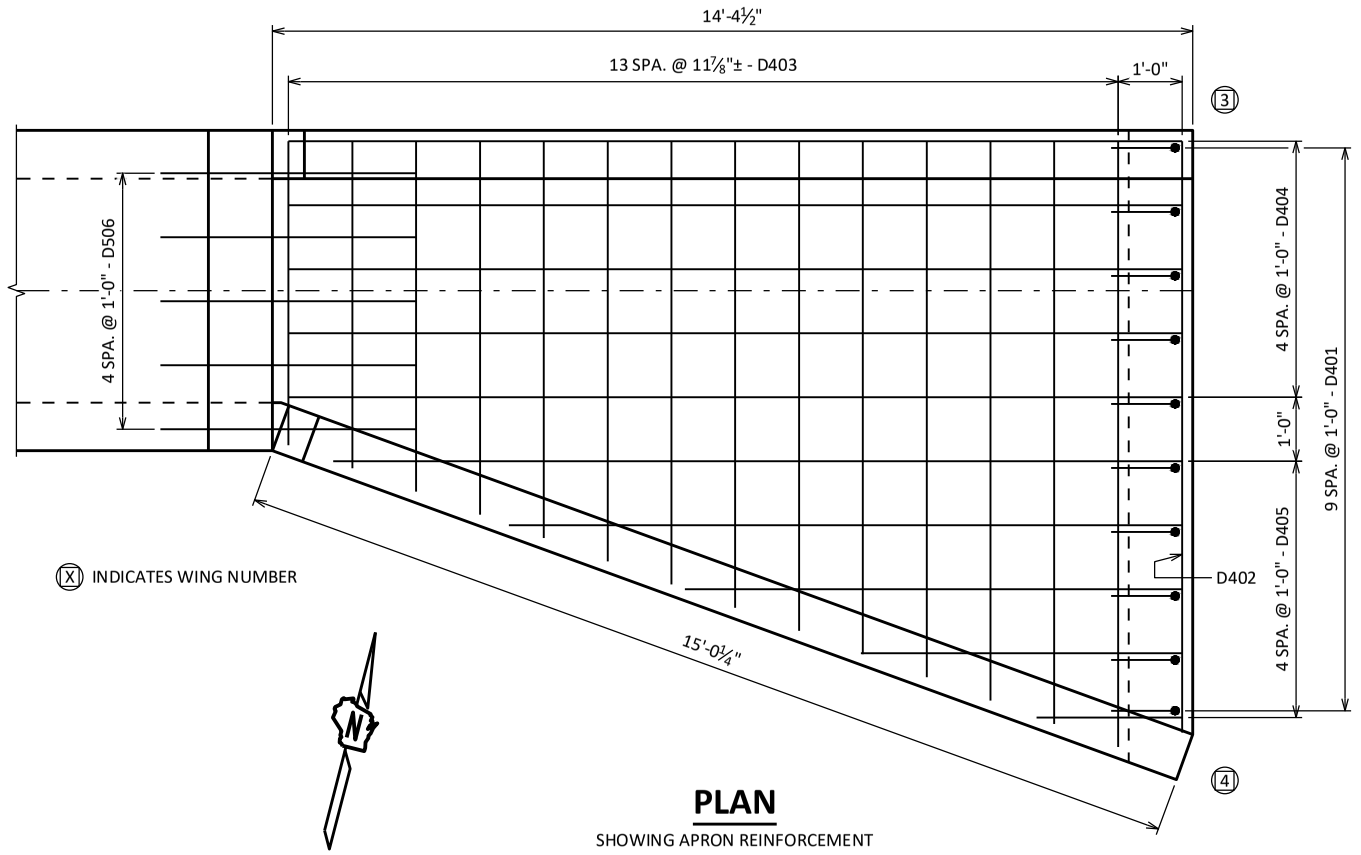
SCALE = 3

8

8

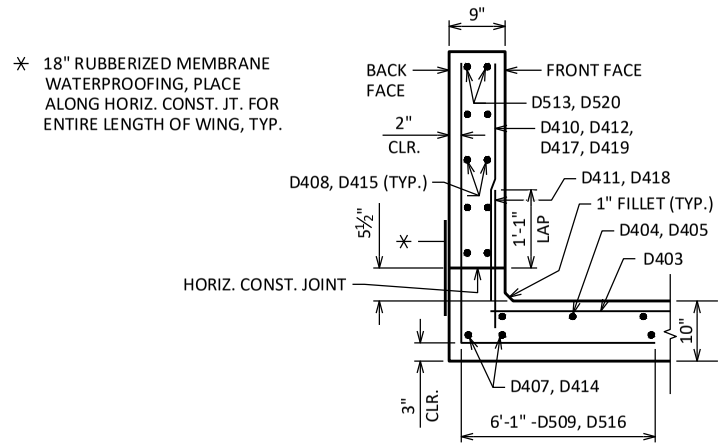
STATE PROJECT NUMBER

1650-06-72

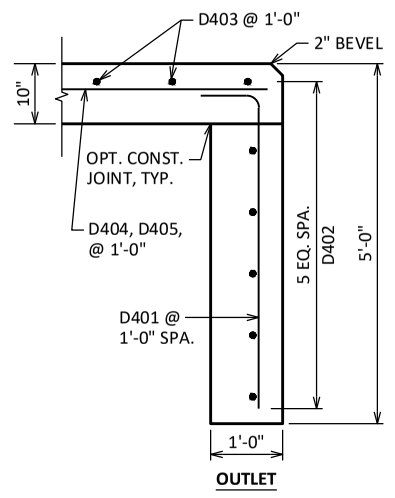


PLAN

SHOWING APRON REINFORCEMENT

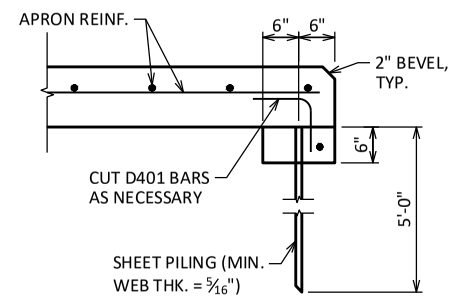


SECTION THRU WINGS



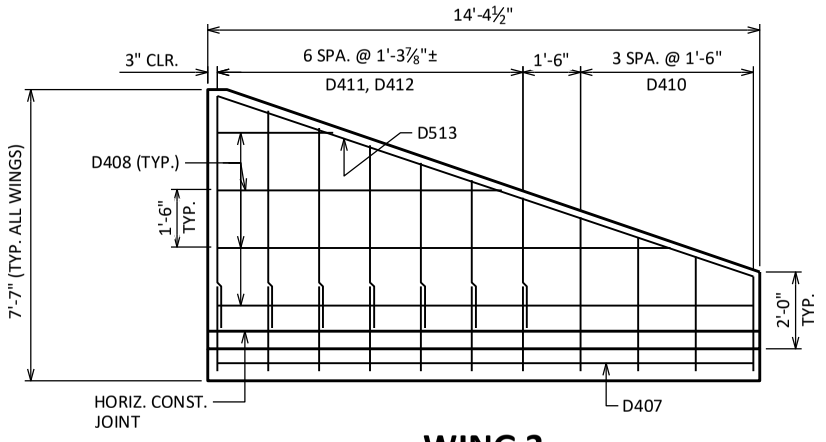
OUTLET

CUT-OFF WALLS



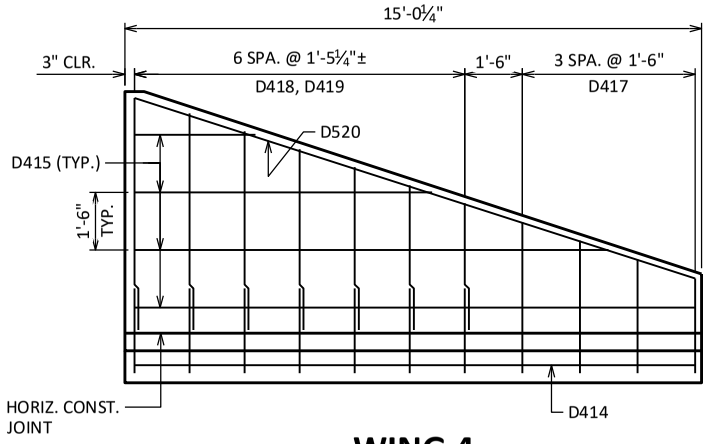
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.



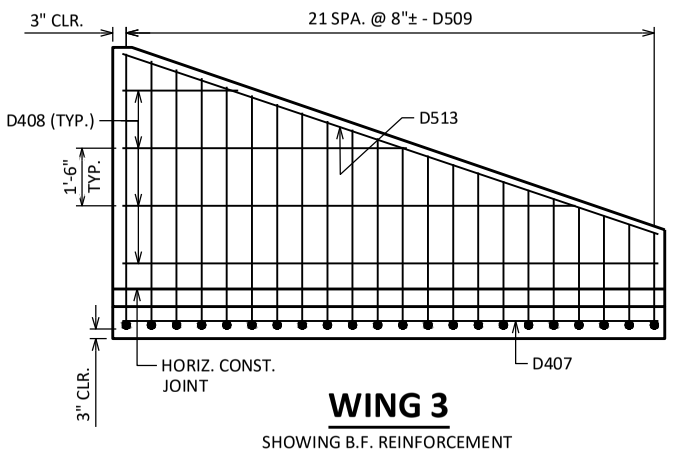
WING 3

SHOWING F.F. REINFORCEMENT



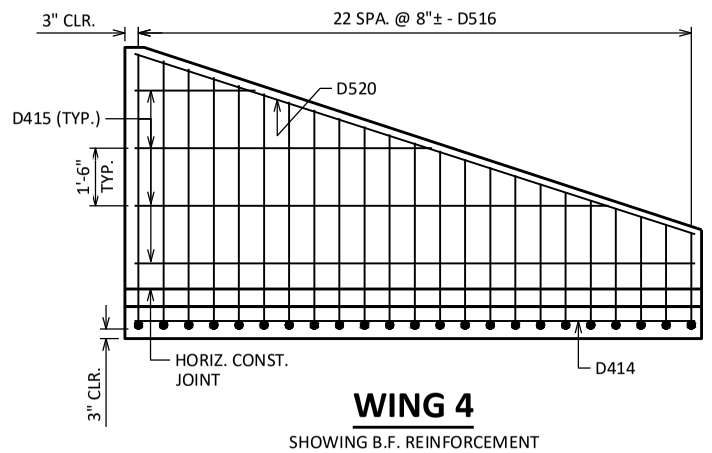
WING 4

SHOWING F.F. REINFORCEMENT



WING 3

SHOWING B.F. REINFORCEMENT



WING 4

SHOWING B.F. REINFORCEMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-212

DRAWN BY MWB | PLANS CK'D AA

APRON DETAILS

SHEET 3
195

SCALE = 5

8

8

STATE PROJECT NUMBER

1650-06-72

BILL OF BARS

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

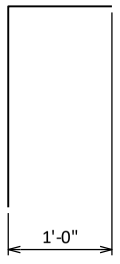
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		10	5'-7"	X		OUTLET CUTOFF WALL - VERT.
D402		6	9'-3"			OUTLET CUTOFF WALL - HORIZ.
D403		14	7'-1"		⚠	OUTLET APRON - TRANS.
D404		5	14'-0"			OUTLET APRON - LONGIT.
D405		5	7'-9"		⚠	OUTLET APRON - LONGIT.
D506		5	4'-0"			OUTLET APRON - CONST. JOINT
D407		3	14'-0"			WING 3 - HORIZ. - IN APRON
D408	X	8	10'-0"		⚠	WING 3 - HORIZ. - BOTH FACES
D509	X	22	10'-10"	X	⚠	WING 3 - VERT. - B.F.
D410	X	4	3'-3"		⚠	WING 3 - VERT. - F.F.
D411	X	7	2'-2"			WING 3 - VERT. - F.F. DOWELS
D412	X	7	4'-9"		⚠	WING 3 - VERT. - F.F.
D513	X	2	14'-8"			WING 3 - TOP
D414		3	14'-7"			WING 4 - HORIZ. - IN APRON
D415	X	8	10'-3"		⚠	WING 4 - HORIZ. - BOTH FACES
D516	X	23	10'-10"	X	⚠	WING 4 - VERT. - B.F.
D417	X	4	3'-3"		⚠	WING 4 - VERT. - F.F.
D418	X	7	2'-2"			WING 4 - VERT. - F.F. DOWELS
D419	X	7	4'-9"		⚠	WING 4 - VERT. - F.F.
D520	X	2	15'-6"			WING 4 - TOP

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

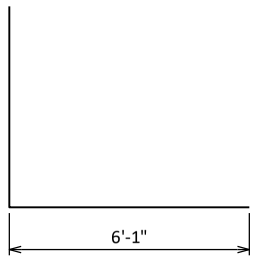
⚠ BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

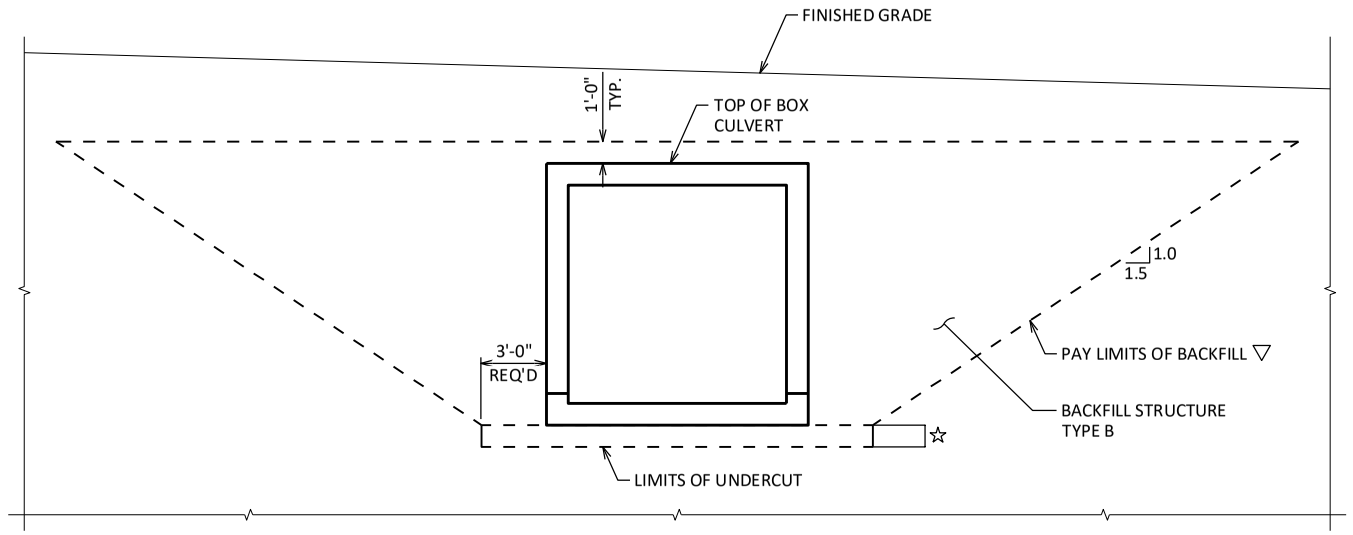
BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 14	4'-9" TO 9'-5"
D405	1 SERIES OF 5	2'-3" TO 13'-3"
D408	2 SERIES OF 4	3'-10" TO 16'-2"
D509	1 SERIES OF 22	8'-6" TO 13'-1"
D410	1 SERIES OF 4	2'-6" TO 4'-0"
D412	1 SERIES OF 7	3'-6" TO 6'-1"
D415	2 SERIES OF 4	3'-8" TO 16'-10"
D516	1 SERIES OF 23	8'-6" TO 13'-1"
D417	1 SERIES OF 4	2'-6" TO 4'-0"
D419	1 SERIES OF 7	3'-4" TO 6'-1"



D401



D509, D516

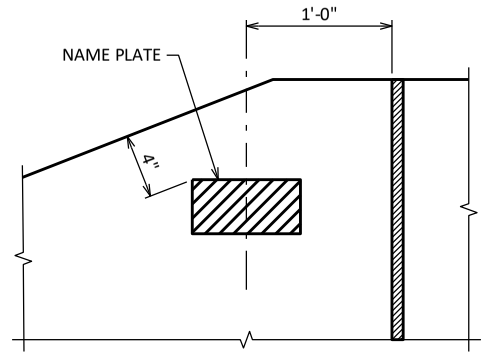


TYPICAL SECTION THRU BOX CULVERT

▽ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

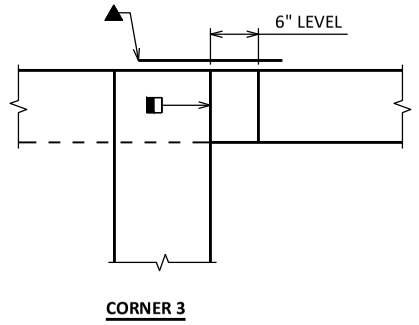
☆ UNDERCUT 1'-0". EXCAVATION FOR UNDER CUT IS TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE FABRIC TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMIN IF "OTHER GRANULAR MATERIAL" IS ACCEPTIBLE.



NAME PLATE DETAIL

WING 4

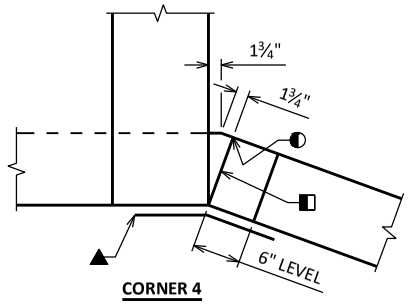


■ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◐ 1" BEVEL (TYP.)

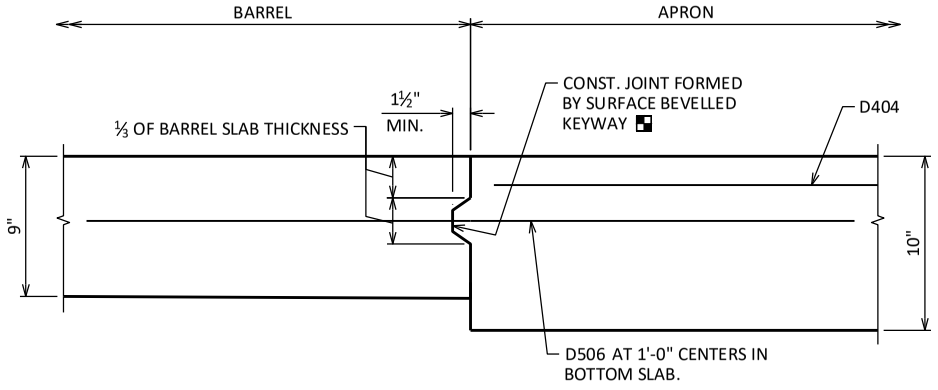
▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.

CORNER 3



CORNER 4

CORNER DETAILS



APRON CONNECTION DETAIL

■ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-212

DRAWN BY MWB | PLANS CK'D AA

DETAILS

SHEET 4
196

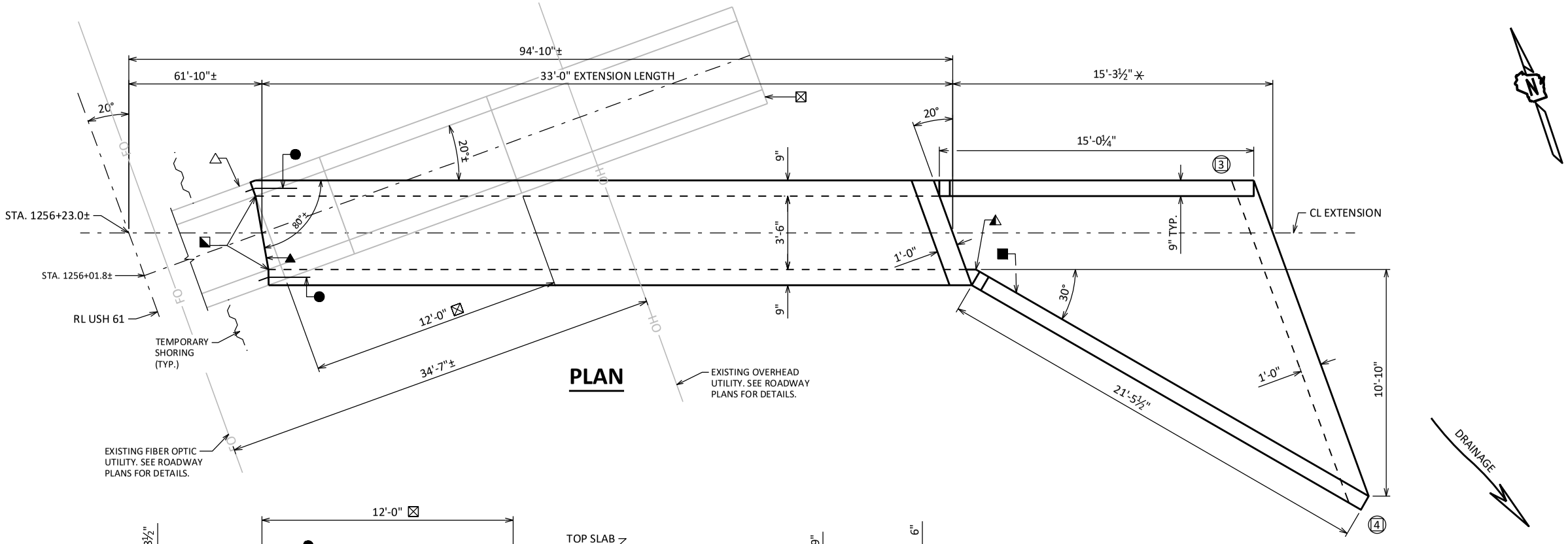
SCALE = 1

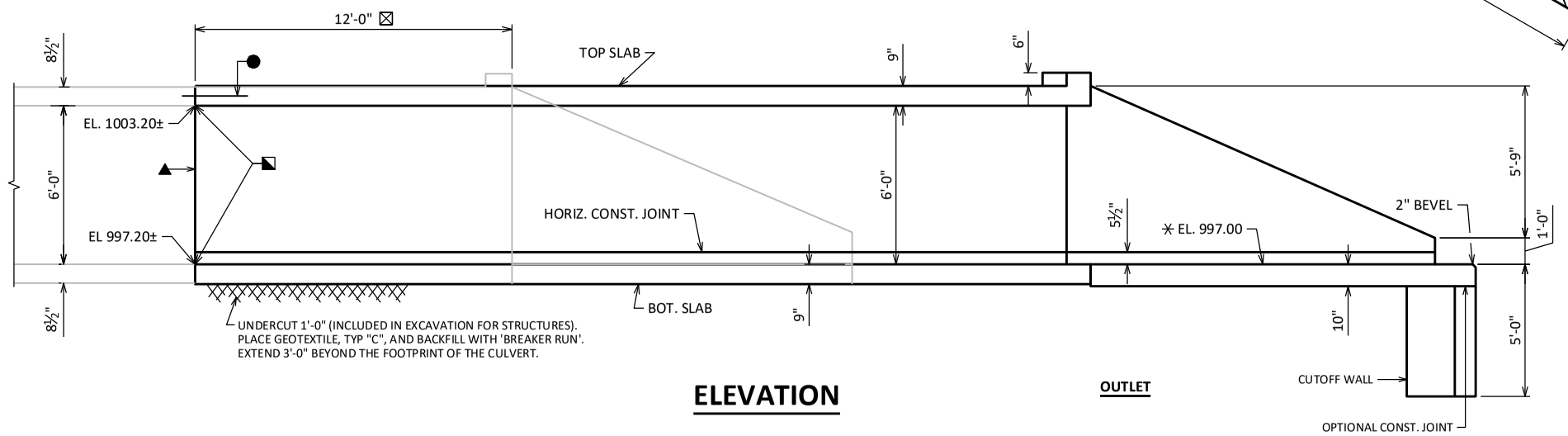
8

8

STATE PROJECT NUMBER
1650-06-72

- ◭ SEE CORNER DETAILS ON "DETAILS" SHEET
- ■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)
- ⚹ BUILD APRON AND END OF BOX LEVEL
- ⓝ INDICATES WING NUMBER
- △ EXIST. BARREL TO REMAIN IN PLACE
- ◪ INSIDE WALLS & SLABS TO MATCH EXISTING (TYP.)
- ⊠ REMOVE EXISTING APRON AND WINGS AND 12'-0" OF EXISTING BARREL. EXTEND BAR STEEL REINFORCEMENT IN BOTTOM SLAB 2'-0" INTO NEW WORK.
- ● ADHESIVE ANCHORS NO. 5 BARS, EMBED 6" INTO SOUND CONCRETE AND SPACE AT 1'-0" CENTERS. (TYP. IN ALL WALLS AND TOP SLAB)
- ▲ VERT. CONST. JOINT (TYP.) SEE SHEET 2 FOR DETAILS.





LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-22-369" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE B WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO 6" BELOW TOP OF BOTTOM SLAB.

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE C-22-369	EACH	1
206.2001	EXCAVATION FOR STRUCTURES C-22-369	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	402
311.0115	BREAKER RUN	CY	25
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	17
504.0100	CONCRETE MASONRY CULVERTS	CY	32
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,570
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	890
511.1200	TEMPORARY SHORING C-22-369	SF	135
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	14
645.0105	GEOTEXTILE TYPE C	SY	76
	NON-BID ITEMS		
	FILLER	SIZE	½", ¾"

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.05
OPERATING RATING: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 (KIPS)

EARTHLOAD:

DESIGNED FOR 20 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY ——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT ——— f_y = 60,000 PSI

TRAFFIC DATA

FEATURE ON:

ADT = 3,400 (2034)
R.D.S. = 55 MPH

STRUCTURE DESIGN CONTACTS:

MICAH BROOKS 608-266-5080
LAURA SHADEWALD 608-267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED LLS 11/2/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-22-369

USH 61 OVER CATTLE PASS

COUNTY	TOWN
GRANT	SOUTH LANCASTER

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
MWB	AA	MWB	AA

LAYOUT

SHEET 1 OF 4
197

SCALE = 6

I.D. 1650-06-02G

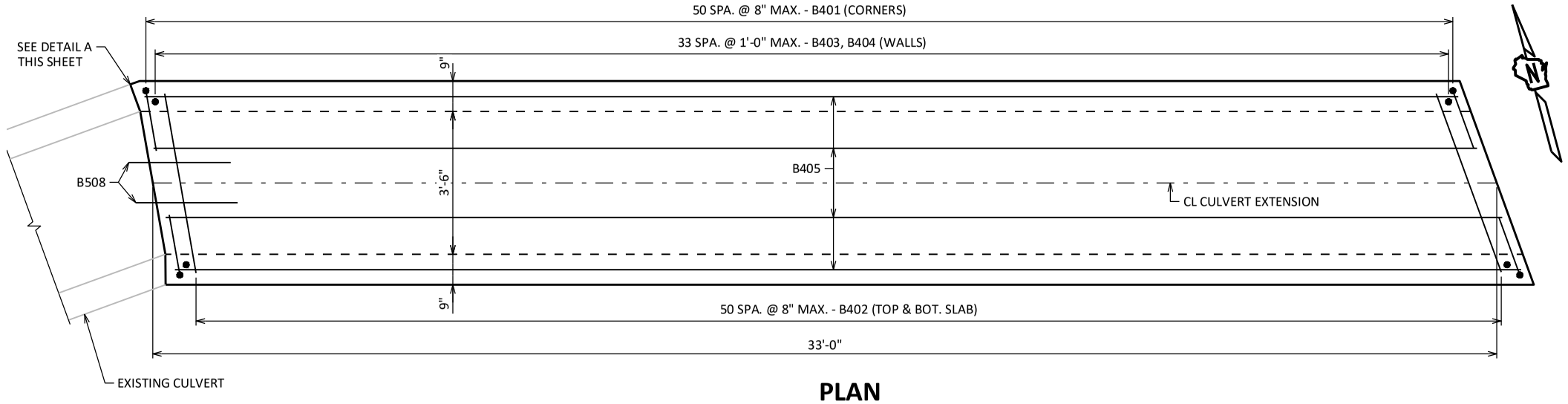
DATE: NOV. 2022

8

8

STATE PROJECT NUMBER

1650-06-72



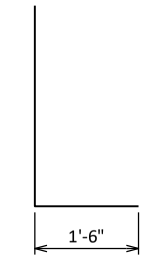
PLAN

HEADER NOT SHOWN

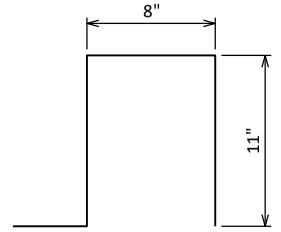
BILL OF BARS

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

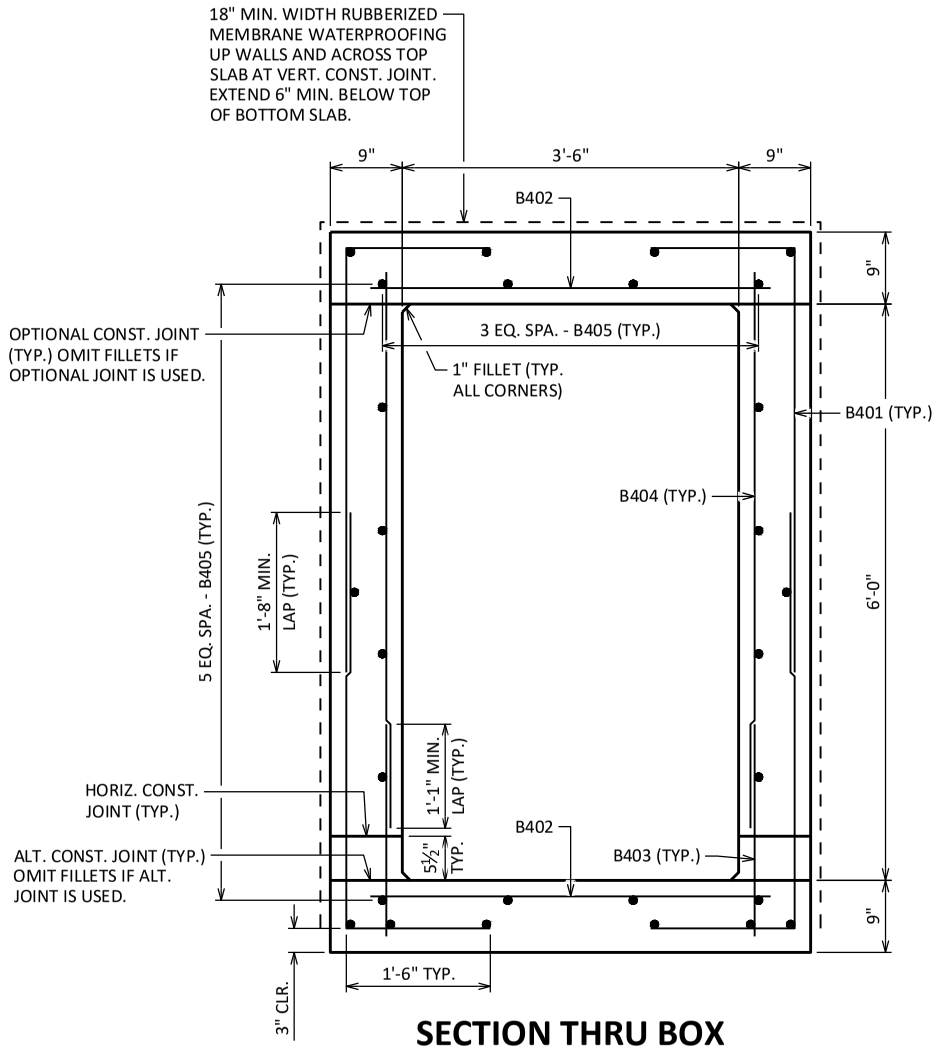
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B401		204	5'-10"	X		CORNERS
B402		102	4'-9"			TOP & BOT. SLAB - HORIZ.
B403		68	2'-2"			WALLS - VERT. - DOWELS
B404		68	5'-10"			WALLS - VERT.
B405		28	32'-8"			TOP & BOT. SLAB & WALLS - LONGIT.
B306		9	2'-9"	X		OUTLET HEADER - VERT.
B407		2	4'-11"			OUTLET HEADER - HORIZ.
B508		14	2'-6"			VERT. CONST. JOINT - ANCHORS



B401

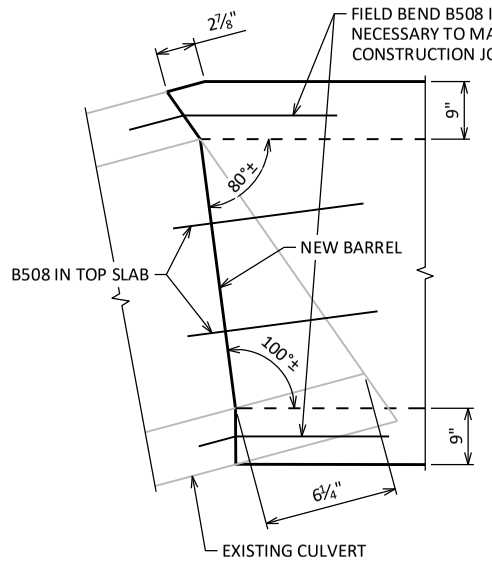


B306

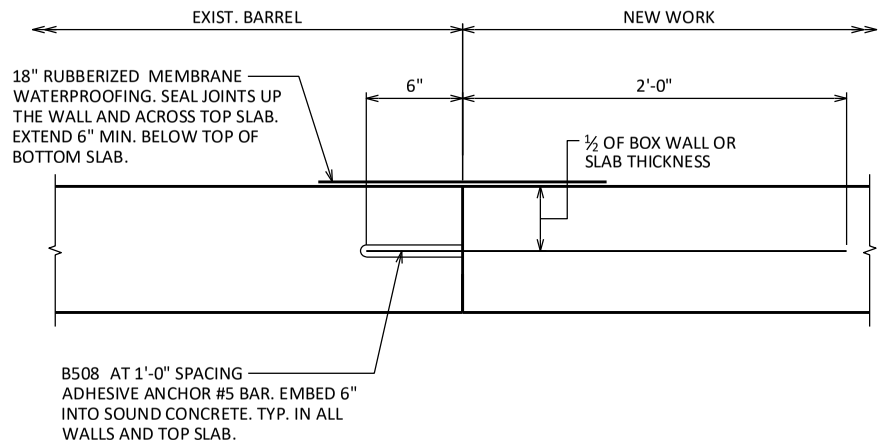


SECTION THRU BOX

ALL LONGITUDINAL BARS NOT LABELED ARE B405 AS SHOWN

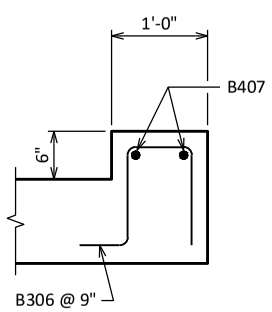


DETAIL A



VERTICAL CONSTRUCTION JOINT

TYPICAL WALLS AND TOP SLAB



SECTION THRU HEADER

HEADER LOCATED AT EAST END OF BOX AS SHOWN ON "LAYOUT" SHEET

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-369

DRAWN BY MWB | PLANS CK'D AA

BOX DETAILS

SHEET 2
198

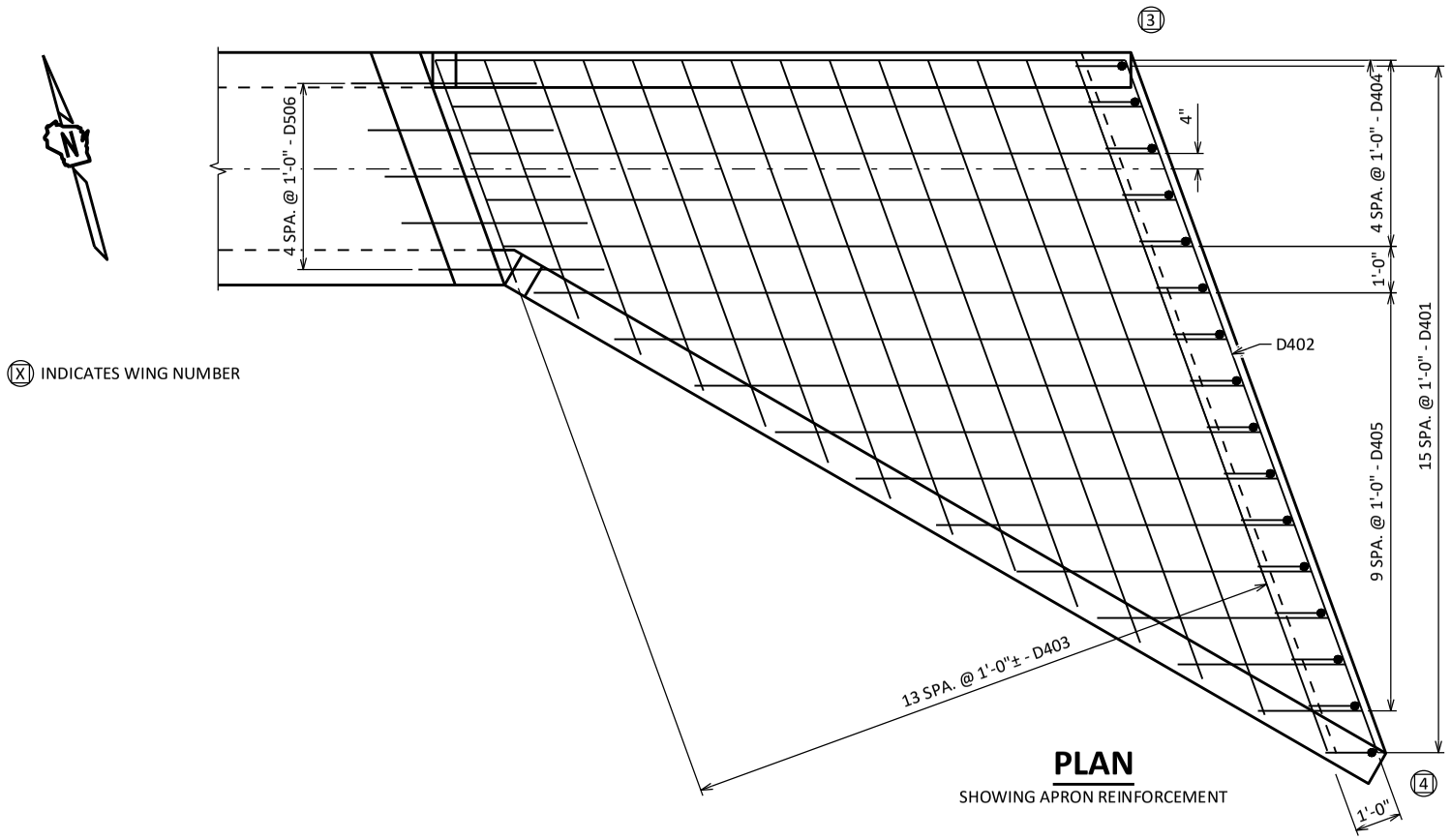
SCALE = 3.5

8

8

STATE PROJECT NUMBER

1650-06-72

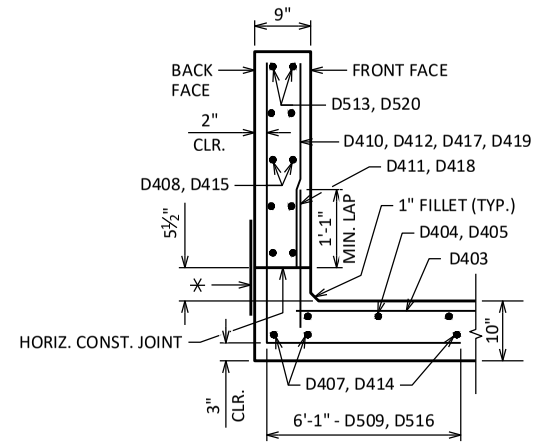


ⓧ INDICATES WING NUMBER

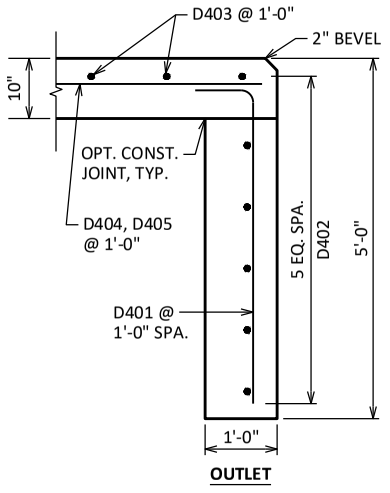
PLAN

SHOWING APRON REINFORCEMENT

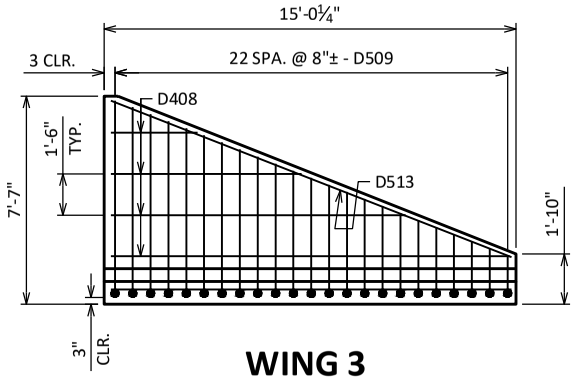
✳ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE LENGTH OF WING, TYP.



SECTION THRU WINGS

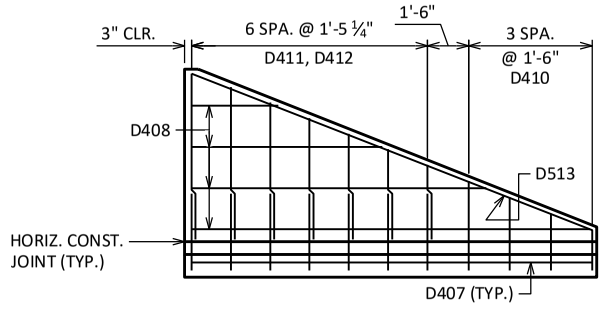


CUT-OFF WALLS



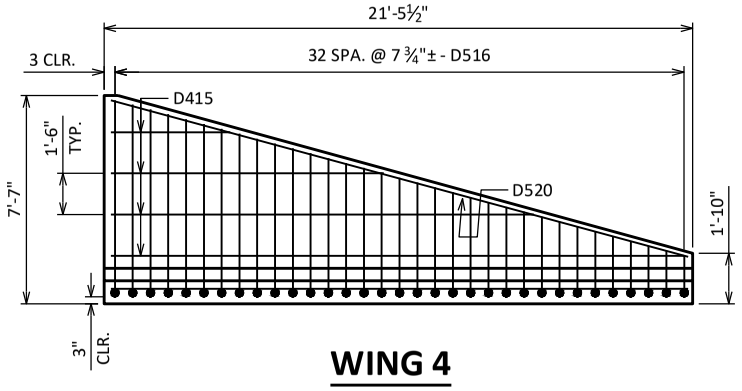
WING 3

SHOWING B.F. REINFORCEMENT



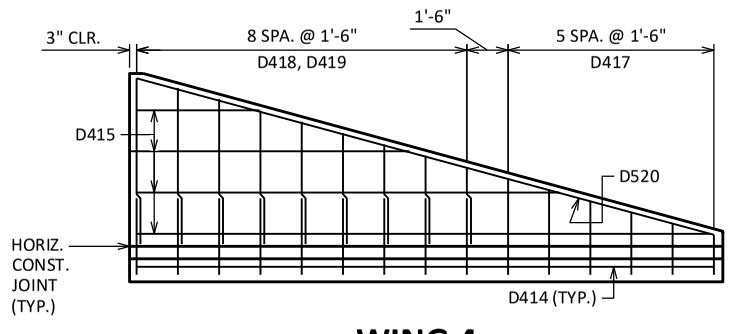
WING 3

SHOWING F.F. REINFORCEMENT



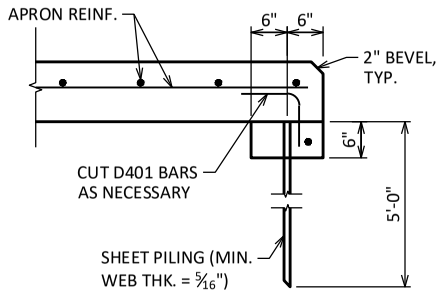
WING 4

SHOWING B.F. REINFORCEMENT



WING 4

SHOWING F.F. REINFORCEMENT



ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-369

DRAWN BY MWB | PLANS CK'D AA

APRON DETAILS

SHEET 3
199

SCALE = 4

8

8

STATE PROJECT NUMBER

1650-06-72

BILL OF BARS

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

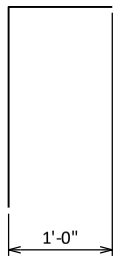
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		16	5'-7"	X		OUTLET CUTOFF WALL - VERT.
D402		6	15'-10"			OUTLET CUTOFF WALL - HORIZ.
D403		14	10'-6"		◭	OUTLET APRON - TRANS.
D404		5	14'-11"			OUTLET APRON - LONGIT.
D405		10	8'-5"		◭	OUTLET APRON - LONGIT.
D506		5	4'-0"			OUTLET APRON - CONST. JOINT
D407		3	14'-8"			WING 3 - HORIZ. - IN APRON
D408	X	8	8'-10"		◭	WING 3 - HORIZ.
D509	X	23	10'-4"	X	◭	WING 3 - VERT. - B.F.
D410	X	4	2'-5"		◭	WING 3 - VERT. - F.F.
D411	X	7	2'-9"			WING 3 - VERT. - F.F. DOWELS
D412	X	7	4'-0"		◭	WING 3 - VERT. - F.F.
D513	X	2	15'-8"			WING 3 - TOP
D414		3	21'-1"			WING 4 - HORIZ. - IN APRON
D415	X	8	12'-8"		◭	WING 4 - HORIZ.
D516	X	33	10'-4"	X	◭	WING 4 - VERT. - B.F.
D417	X	6	2'-7"		◭	WING 4 - VERT. - F.F.
D418	X	9	2'-9"			WING 4 - VERT. - F.F. DOWELS
D419	X	9	4'-6"		◭	WING 4 - VERT. - F.F.
D520	X	2	21'-9"			WING 4 - TOP

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

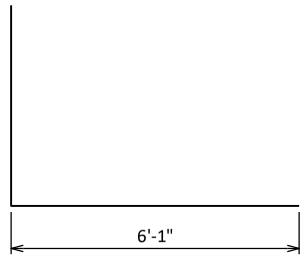
◭ BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

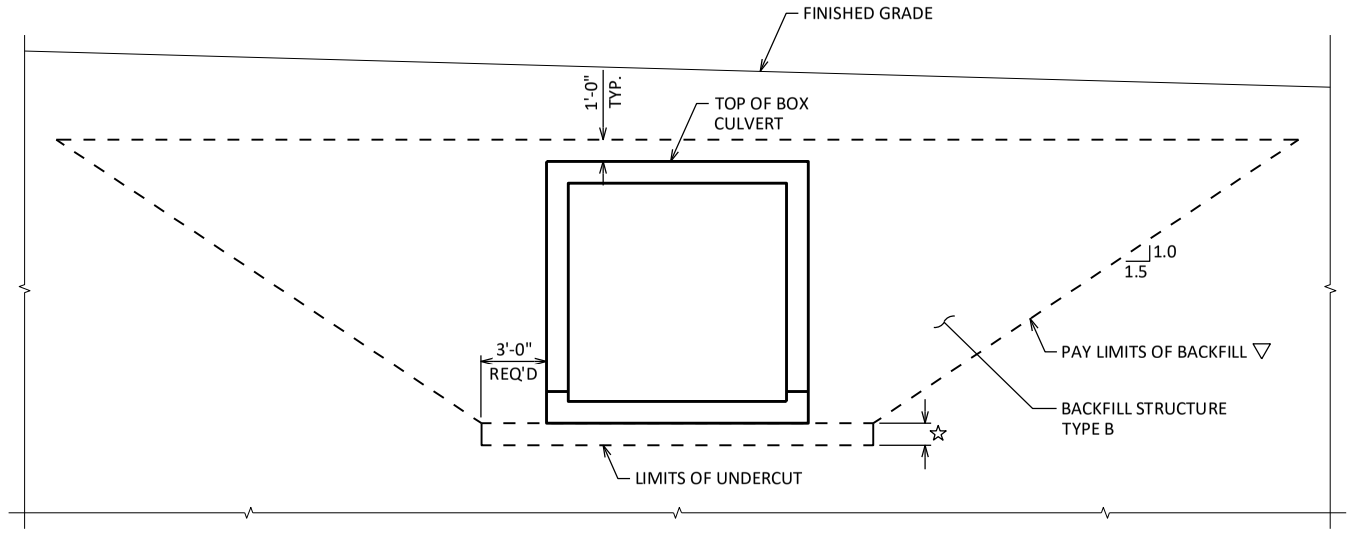
BAR MARK	NO. REQ'D	LENGTH
D403	1 SERIES OF 14	5'-1" TO 15'-10"
D405	1 SERIES OF 10	2'-3" TO 14'-7"
D408	2 SERIES OF 4	3'-2" TO 14'-6"
D509	1 SERIES OF 23	7'-6" TO 13'-2"
D410	1 SERIES OF 4	1'-6" TO 3'-4"
D412	1 SERIES OF 7	2'-4" TO 5'-8"
D415	2 SERIES OF 4	4'-6" TO 20'-10"
D516	1 SERIES OF 33	7'-6" TO 13'-2"
D417	1 SERIES OF 6	1'-6" TO 3'-7"
D419	1 SERIES OF 9	2'-11" TO 6'-1"



D401



D509, D516

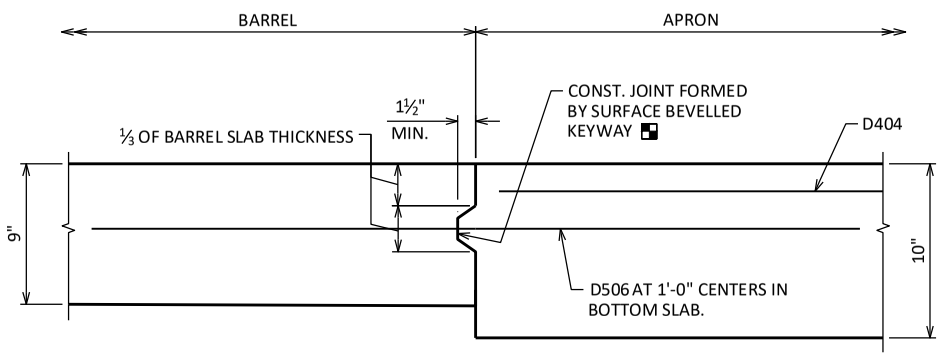


TYPICAL SECTION THRU BOX CULVERT

▽ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

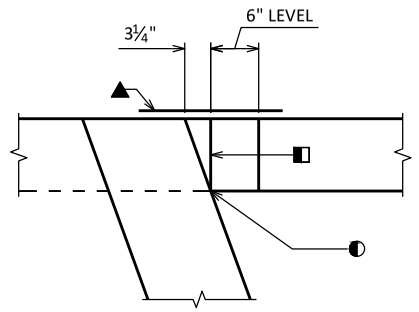
☆ UNDERCUT 1'-0". EXCAVATION FOR UNDER CUT IS TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE FABRIC TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMIN IF "OTHER GRANULAR MATERIAL" IS ACCEPTIBLE.

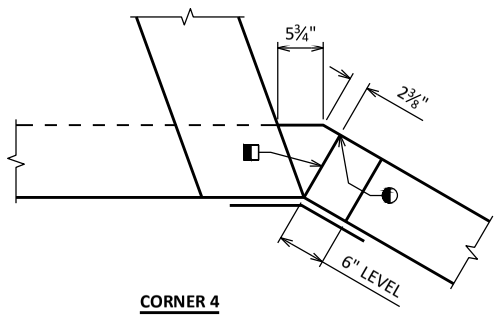


APRON CONNECTION DETAIL

▪ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.



CORNER 3



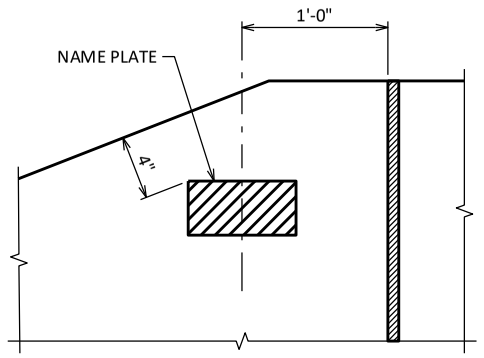
CORNER 4

◧ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◐ 1" BEVEL (TYP.)

▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.

CORNER DETAILS



NAME PLATE DETAIL

WING 4

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-369

DRAWN BY MWB | PLANS CK'D AA

DETAILS

SHEET 4
200

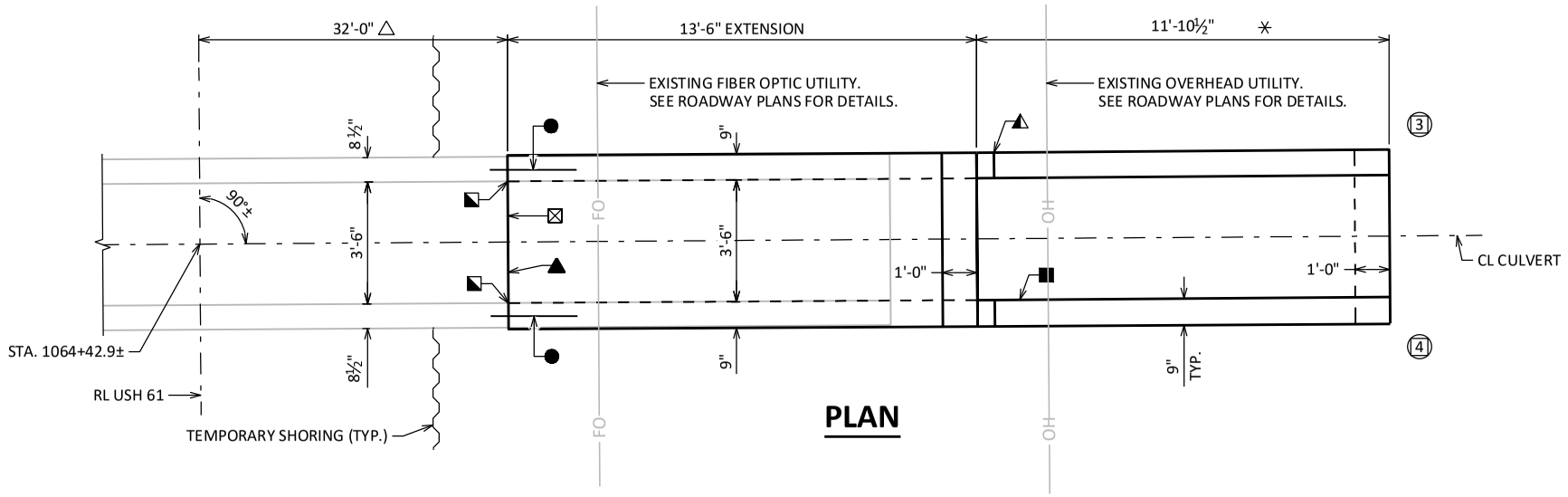
SCALE = 1

8

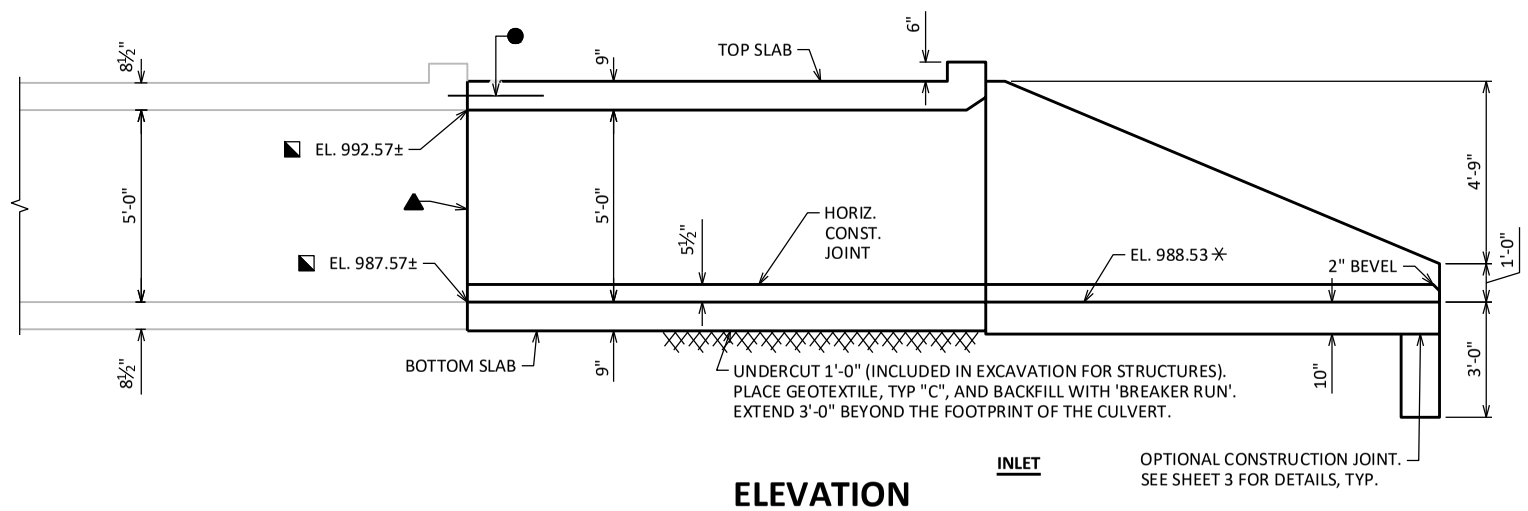
8

STATE PROJECT NUMBER

1650-06-72



PLAN



ELEVATION

- ◭ SEE CORNER DETAILS ON "DETAILS" SHEET
- ■ NAME PLATE LOCATION (SEE "DETAILS" SHEET)
- ✳ BUILD APRON AND END OF BOX LEVEL
- ⃝ INDICATES WING NUMBER
- △ EXIST. BARREL TO REMAIN IN PLACE
- ◪ INSIDE WALLS & SLABS TO MATCH EXISTING (TYP.)
- ⊠ REMOVE EXISTING APRON AND WINGS. EXTEND BAR STEEL REINFORCEMENT IN BOTTOM SLAB 2'-0" INTO NEW WORK.
- ● ADHESIVE ANCHORS NO. 5 BARS, EMBED 6" INTO SOUND CONCRETE AND SPACE AT 1'-0" CENTERS. (TYP. IN ALL WALLS AND TOP SLAB)
- ▲ VERT. CONST. JOINT (TYP.) SEE SHEET 2 FOR DETAILS

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE C-22-385	EACH	1
206.2001	EXCAVATION FOR STUCTURES CULVERTS C-22-385	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	135
311.0115	BREAKER RUN	CY	12
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	16
504.0100	CONCRETE MASONRY CULVERTS	CY	13
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	900
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	390
511.1200	TEMPORARY SHORING C-22-385	SF	130
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	11
645.0105	GEOTEXTILE TYPE C	SY	34

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.05
OPERATING RATING: RF = 1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 (KIPS)

EARTHLOAD:

DESIGNED FOR 5.0 FT. OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT——— f_y = 60,000 PSI

TRAFFIC DATA

USH 61:
ADT = 2,900 (2034)
R.D.S. = 55 MPH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-22-385" SHALL BE THE EXISTING GROUNDLINE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE B WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO 6" BELOW TOP OF BOTTOM SLAB.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS

STRUCTURE DESIGN CONTACTS:
MICAH BROOKS 608-266-5080
LAURA SHADEWALD 608-267-9592

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED LLS 11/1/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-22-385

USH 61 OVER CATTLE PASS

COUNTY: GRANT | TOWN: POTOSI

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
MWB	AA	MWB	AA

LAYOUT

SHEET 1 OF 4
201

SCALE = 5

I.D. 1650-06-02L

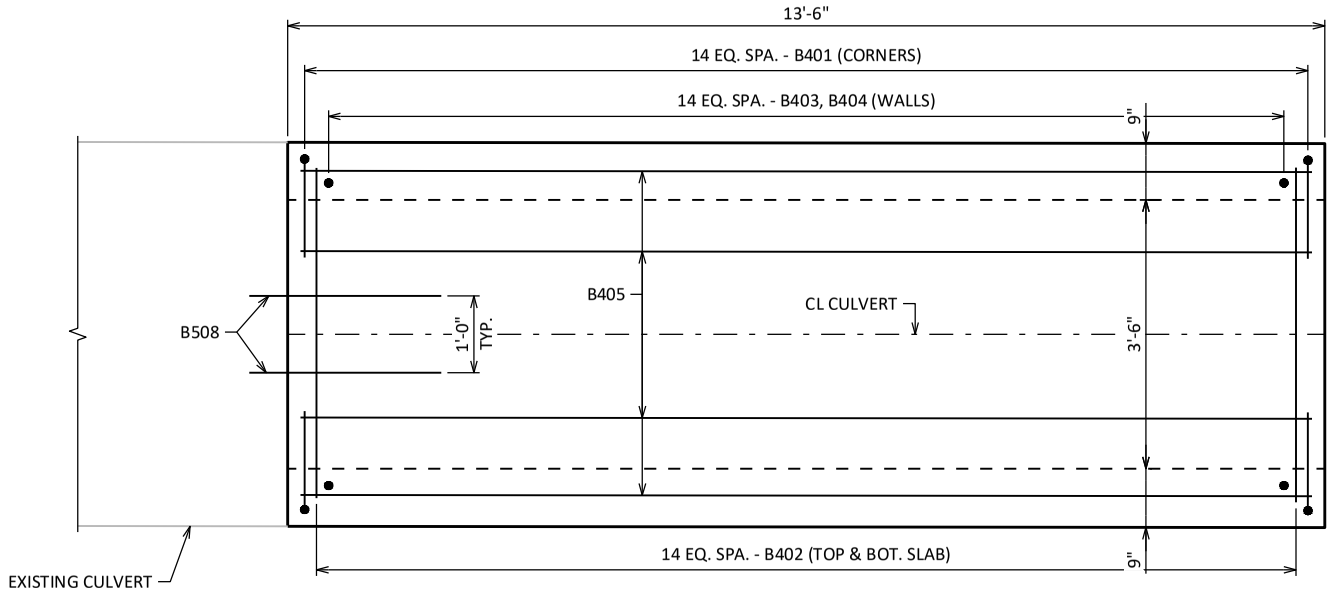
DATE: OCT. 2022

8

8

STATE PROJECT NUMBER

1650-06-72

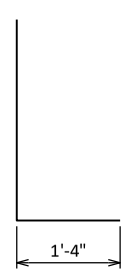


PLAN

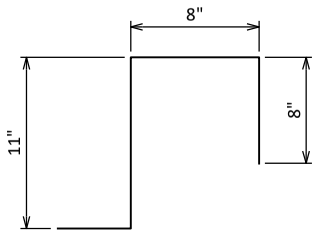
BILL OF BARS

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

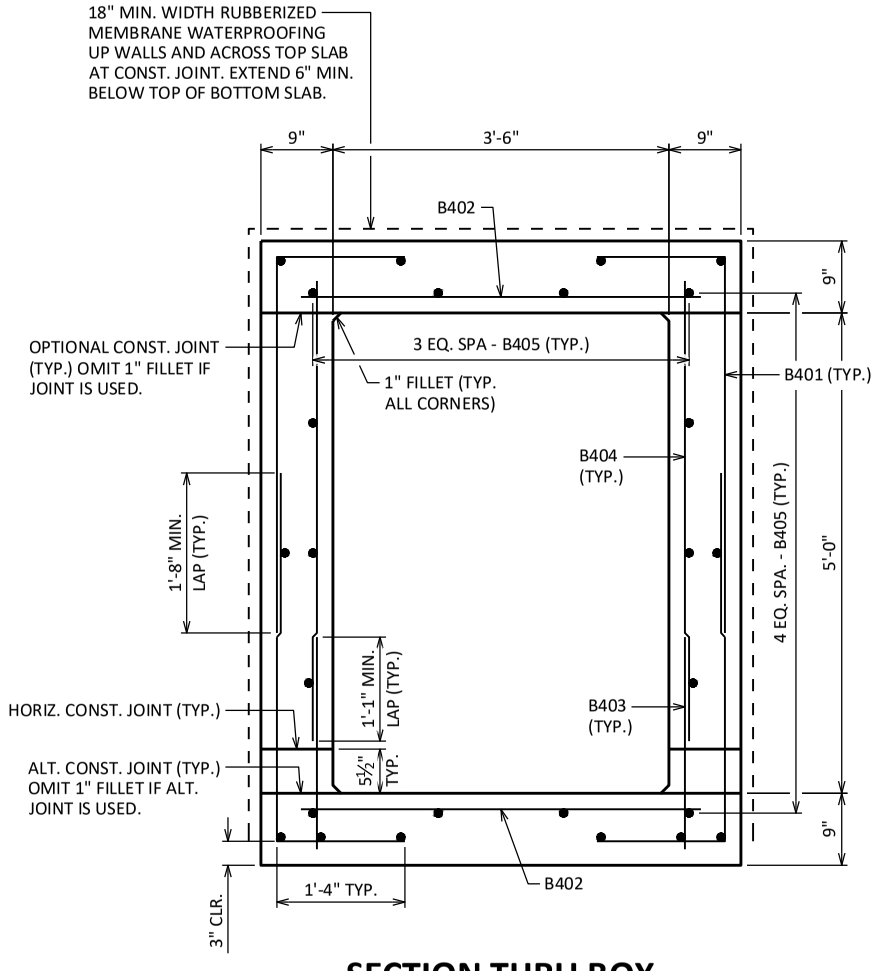
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B401		60	5'-2"	X		CORNERS
B402		30	4'-2"			TOP & BOT. SLAB - HORIZ.
B043		30	2'-2"			WALLS - VERT. - DOWELS
B401		30	4'-10"			WALLS - VERT.
B405		26	13'-2"			TOP & BOT. SLAB & WALLS - LONGIT.
B306		8	2'-6"	X		HEADER - VERT.
B407		2	4'-8"			HEADER - HORIZ.
B508		16	2'-6"			CONST. JOINT - ANCHORS



B401

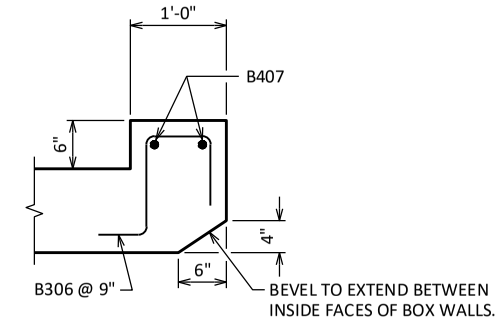


B306



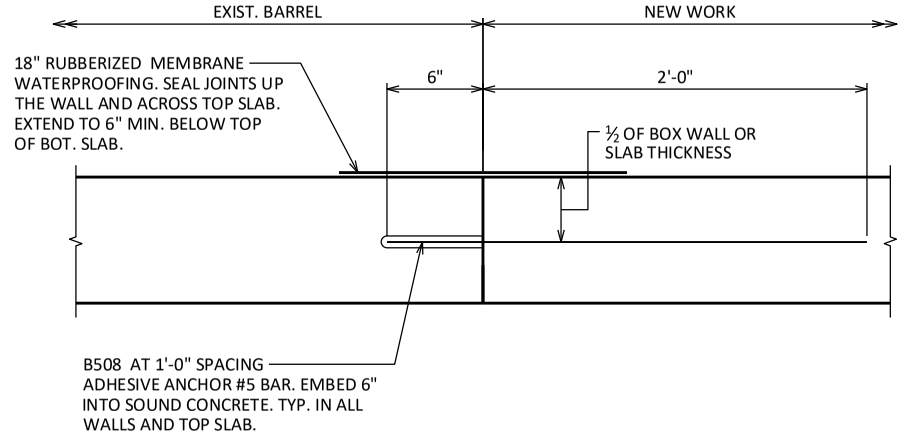
SECTION THRU BOX

ALL LONGITUDINAL BARS NOT LABELED ARE B405 AS SHOWN



SECTION THRU HEADER

HEADER LOCATED AT EAST END OF BOX AS SHOWN ON "LAYOUT" SHEET



VERTICAL CONSTRUCTION JOINT

TYPICAL WALLS AND TOP SLAB

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-385

DRAWN BY MWB | PLANS CK'D AA

BOX DETAILS

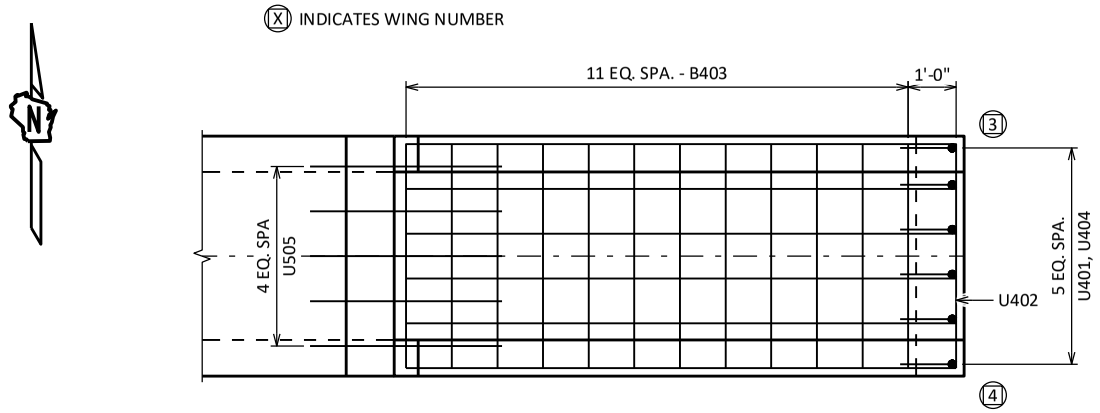
SHEET 2
202

SCALE = 2.5

STATE PROJECT NUMBER

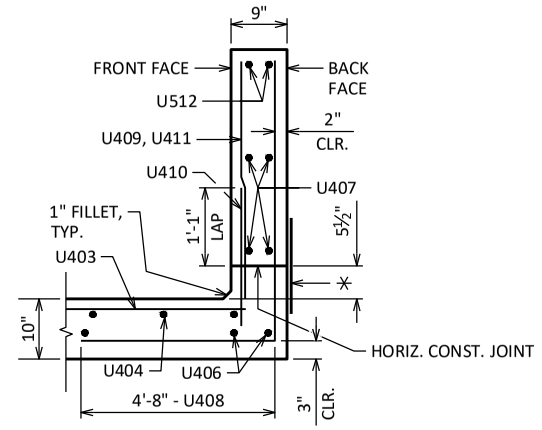
1650-06-72

⚹ 18" RUBBERIZED MEMBRANE WATERPROOFING, PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE LENGTH OF WING, TYP.

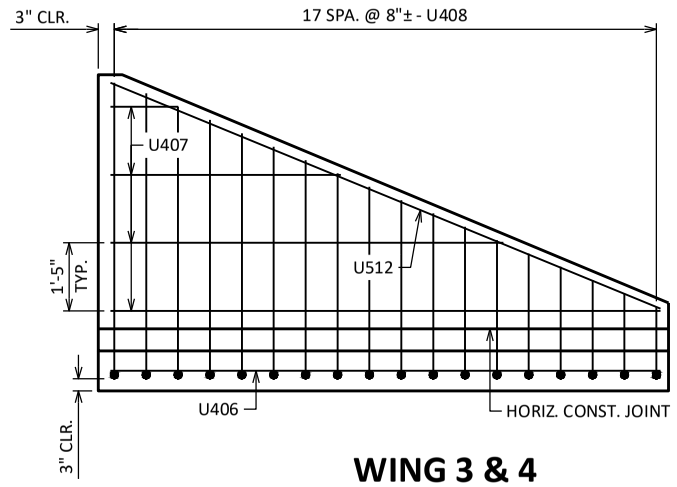


PLAN

SHOWING APRON REIINFORCEMENT

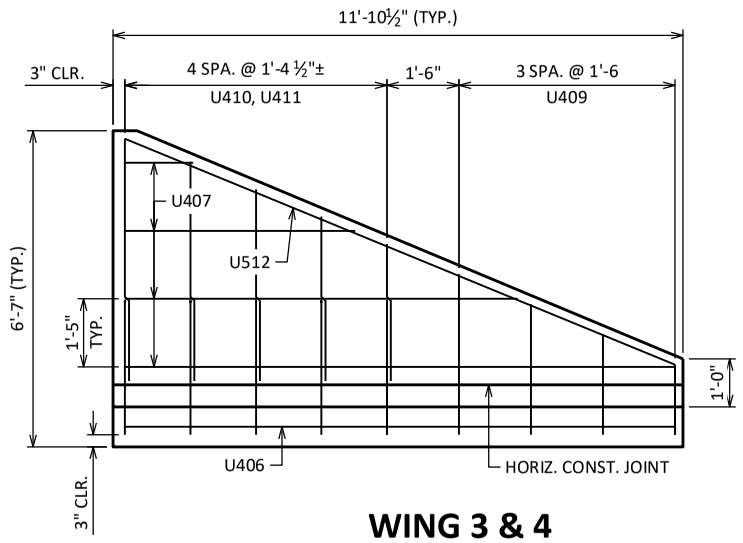


SECTION THRU WINGS



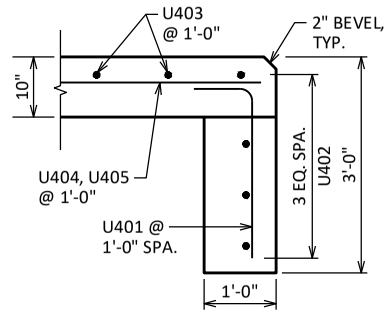
WING 3 & 4

SHOWING B.F. REINFORCEMENT



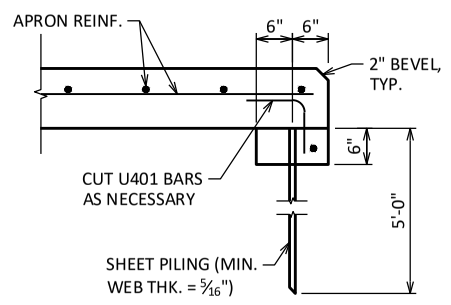
WING 3 & 4

SHOWING F.F. REINFORCEMENT



INLET

CUT-OFF WALLS



ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-385

DRAWN BY MWB | PLANS CK'D AA

APRON DETAILS

SHEET 3
203

SCALE =

8

8

STATE PROJECT NUMBER

1650-06-72

BILL OF BARS

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

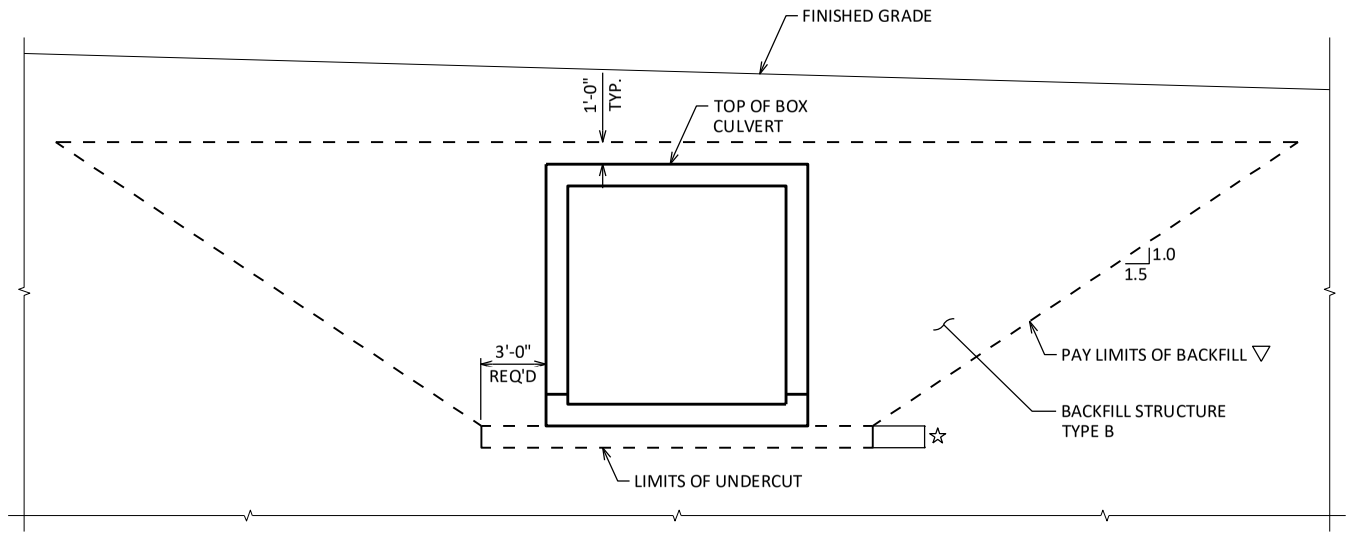
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
U401		6	3'-7"	X		INLET CUTOFF WALL - VERT.
U402		4	4'-8"			INLET CUTOFF WALL - HORIZ.
U403		12	4'-8"			INLET APRON - TRANS.
U404		6	11'-6"			INLET APRON - LONGIT.
U505		5	4'-0"			INLET APRON - CONST. JOINT
U406		6	11'-6"			WING 3 & 4 - HORIZ. - IN APRON
U407	X	16	6'-5"		⚠	WING 3 & 4 - HORIZ.
U408	X	36	8'-5"	X	⚠	WING 3 & 4 - VERT. - B.F.
U409	X	8	2'-6"		⚠	WING 3 & 4 - VERT. - F.F.
U410	X	10	2'-10"			WING 3 & 4 - VERT. - F.F. DOWELS
U411	X	10	4'-0"		⚠	WING 3 & 4 - VERT. - F.F.
U512	X	4	12'-4"			WING 3 & 4 - TOP

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

⚠ BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
U407	4 SERIES OF 4	1'-5" TO 11'-5"
U408	2 SERIES OF 18	6'-1" TO 10'-8"
U409	2 SERIES OF 4	1'-6" TO 3'-5"
U411	2 SERIES OF 5	2'-10" TO 5'-1"

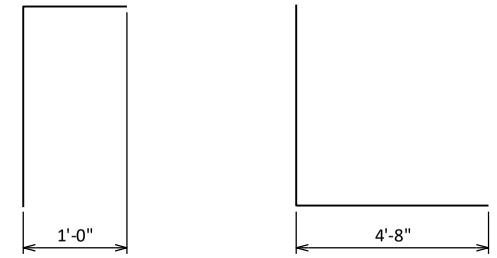


TYPICAL SECTION THRU BOX CULVERT

▽ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

☆ UNDERCUT 1'-0". EXCAVATION FOR UNDER CUT IS TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE FABRIC TYPE C" AND BACKFILL WITH "BREAKER RUN".

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMIN IF "OTHER GRANULAR MATERIAL" IS ACCEPTIBLE.

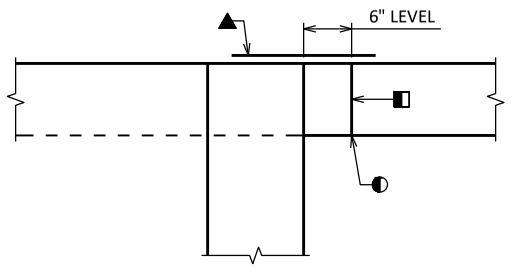


B401 **B408**

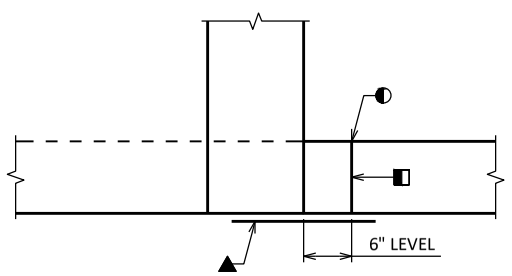
◧ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.

◐ 1" BEVEL (TYP.)

▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.

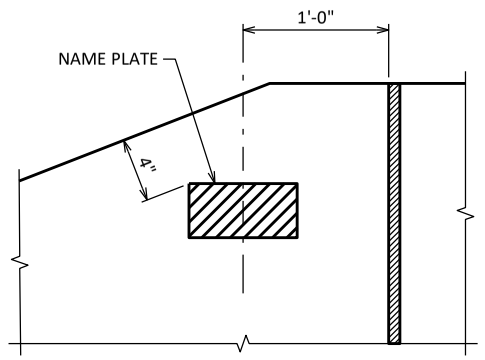


CORNER 3



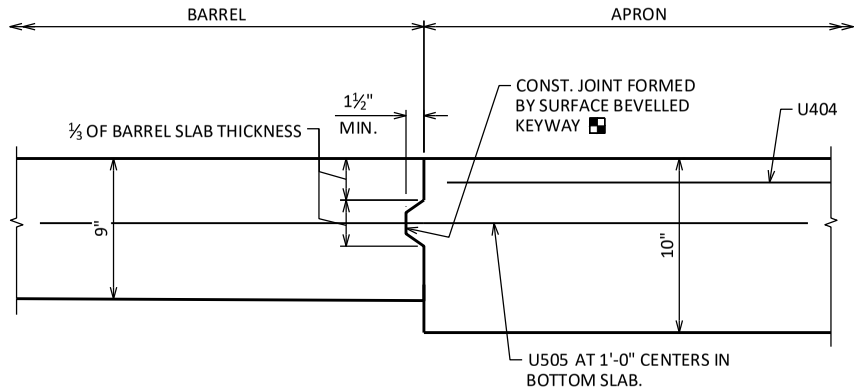
CORNER 4

CORNER DETAILS



NAME PLATE DETAIL

WING 4



APRON CONNECTION DETAIL

◪ IN LIEU OF CONSTRUCTION JOINTS IN BOTTOM SLAB, THE CONTRACTOR MY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-22-385

DRAWN BY MWB | PLANS CK'D AA

DETAILS

SHEET 4
204

SCALE = 2

8

8

DIVISION 1 - USH 61 (STA 562+66 - STA 583+50)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
562+66	56266.00	0.00	50.74	0.31	0	0	0	0	0
563+00	56300.00	34.00	50.93	4.93	64	3	64	4	60
564+00	56400.00	100.00	42.06	54.54	172	110	236	147	89
565+00	56500.00	100.00	34.84	73.44	142	237	378	455	-77
566+00	56600.00	100.00	42.66	17.17	144	168	522	673	-151
567+00	56700.00	100.00	47.80	51.54	168	127	690	839	-149
567+12.537	56712.54	12.54	42.12	91.23	21	33	711	881	-170
568+00	56800.00	87.46	34.55	94.89	124	301	835	1,273	-438
568+72	56872.00	72.00	29.92	131.17	86	301	921	1,664	-743
569+00	56900.00	28.00	33.12	112.26	33	126	954	1,828	-874
570+00	57000.00	100.00	36.19	152.99	128	491	1,082	2,466	-1,384
571+00	57100.00	100.00	31.49	190.72	125	636	1,207	3,293	-2,086
572+00	57200.00	100.00	36.24	51.17	125	448	1,332	3,875	-2,543
572+84.06	57284.06	84.06	35.31	27.05	111	122	1,443	4,034	-2,591
573+00	57300.00	15.94	29.81	65.64	19	27	1,462	4,069	-2,607
574+00	57400.00	100.00	25.04	282.46	102	645	1,564	4,908	-3,344
575+00	57500.00	100.00	29.08	323.93	100	1,123	1,664	6,367	-4,703
576+00	57600.00	100.00	29.54	405.26	109	1,350	1,773	8,122	-6,349
576+80.454	57680.45	80.45	29.29	385.20	88	1,178	1,861	9,654	-7,793
577+00	57700.00	19.55	31.18	409.34	22	288	1,883	10,028	-8,145
578+00	57800.00	100.00	33.43	7.16	120	771	2,003	11,031	-9,028
579+00	57900.00	100.00	82.32	9.82	214	31	2,217	11,071	8,854
580+00	58000.00	100.00	143.35	1.61	418	21	2,635	11,098	-8,463
581+00	58100.00	100.00	202.99	0.14	641	3	3,276	11,102	-7,826
582+00	58200.00	100.00	180.46	3.54	710	7	3,986	11,111	-7,125
583+00	58300.00	100.00	71.90	4.67	467	15	4,453	11,131	-6,678
583+50	58350.00	50.00	28.11	0.01	93	4	4,546	11,136	-6,590

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

9

9

PROJECT NO: 1650-06-72 | HWY: USH 61 | COUNTY: GRANT | EARTHWORK DATA | SHEET 205 | E

DIVISION 2 - USH 61 (STA 603+00 - 644+79)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
603+00	60300.00	0.00	2.50	0.28	0	0	0	0	0
604+00	60400.00	100.00	0.05	2.16	5	5	5	7	-2
605+00	60500.00	100.00	18.69	3.76	35	11	40	21	19
606+00	60600.00	100.00	67.94	10.40	160	26	200	55	145
607+00	60700.00	100.00	97.08	29.47	306	74	506	151	355
608+00	60800.00	100.00	0.00	175.14	180	379	686	644	43
609+00	60900.00	100.00	0.00	165.56	0	631	686	1,464	778
609+87.32	60987.32	87.32	0.00	460.14	0	1,012	686	2,779	-2,093
610+00	61000.00	12.68	0.00	563.63	0	240	686	3,091	-2,405
611+00	61100.00	100.00	0.08	221.85	0	1,455	686	4,983	-4,297
612+00	61200.00	100.00	0.04	131.27	0	654	686	5,833	-5,147
613+00	61300.00	100.00	0.05	85.16	0	401	686	6,354	-5,668
614+00	61400.00	100.00	50.06	51.00	93	252	779	6,682	-5,903
615+00	61500.00	100.00	0.03	64.93	93	215	872	6,962	-6,090
615+62.541	61562.54	62.54	0.01	73.47	0	160	872	7,170	-6,298
616+00	61600.00	37.46	10.06	35.16	7	75	879	7,267	-6,388
617+00	61700.00	100.00	49.65	4.74	111	74	990	7,363	-6,373
618+00	61800.00	100.00	66.48	31.96	215	68	1,205	7,452	-6,247
619+00	61900.00	100.00	31.93	28.66	182	112	1,387	7,597	-6,210
620+00	62000.00	100.00	0.00	10.09	59	72	1,446	7,691	-6,245
621+00	62100.00	100.00	47.06	36.73	87	87	1,533	7,804	-6,271
622+00	62200.00	100.00	106.00	14.69	283	95	1,816	7,927	-6,111
623+00	62300.00	100.00	97.50	13.33	377	52	2,193	7,995	-5,802
624+00	62400.00	100.00	15.80	20.22	210	62	2,403	8,076	5,673
625+00	62500.00	100.00	0.00	106.89	29	235	2,432	8,381	-5,949
625+37.536	62537.54	37.54	0.00	234.31	0	237	2,432	8,689	-6,257
626+00	62600.00	62.46	0.00	118.57	0	408	2,432	9,220	-6,788
626+72.35	62672.35	72.35	0.00	6.73	0	168	2,432	9,438	-7,006
627+00	62700.00	27.65	0.00	33.67	0	21	2,432	9,465	-7,033
628+00	62800.00	100.00	0.00	47.40	0	150	2,432	9,660	7,228
629+00	62900.00	100.00	0.00	101.02	0	275	2,432	10,018	-7,586
629+69.949	62969.95	69.95	0.00	126.20	0	294	2,432	10,400	-7,968
630+00	63000.00	30.05	0.00	67.14	0	108	2,432	10,540	-8,108
630+33	63033.00	33.00	0.09	13.02	0	49	2,432	10,604	-8,172
631+00	63100.00	67.00	0.00	44.38	0	71	2,432	10,696	-8,264
632+00	63200.00	100.00	0.00	30.92	0	139	2,432	10,877	-8,445
632+27	63227.00	27.00	0.39	6.90	0	19	2,432	10,902	-8,470
633+00	63300.00	73.00	26.13	25.48	36	44	2,468	10,959	-8,491
633+70	63370.00	70.00	8.06	215.85	44	313	2,512	11,366	-8,854
633+80	63380.00	10.00	11.95	194.48	4	76	2,516	11,465	-8,949
634+00	63400.00	20.00	0.00	160.08	4	131	2,520	11,635	9,115
635+00	63500.00	100.00	0.00	98.72	0	479	2,520	12,258	-9,738
636+00	63600.00	100.00	99.81	19.86	185	220	2,705	12,544	-9,839
637+00	63700.00	100.00	120.54	24.28	408	82	3,113	12,650	-9,537
638+00	63800.00	100.00	130.64	17.57	465	78	3,578	12,752	-9,174
639+00	63900.00	100.00	25.14	30.33	288	89	3,866	12,867	-9,001

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 2 - USH 61 (STA 603+00 - 644+79) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
639+80.663	63980.66	80.66	16.91	9.26	63	59	3,929	12,944	-9,015
640+00	64000.00	19.34	5.09	22.45	8	11	3,937	12,958	-9,021
641+00	64100.00	100.00	0.00	16.84	9	73	3,946	13,053	-9,107
642+00	64200.00	100.00	55.54	20.12	103	68	4,049	13,142	-9,093
642+50.138	64250.14	50.14	107.91	37.34	152	53	4,201	13,211	-9,010
643+00	64300.00	49.86	82.43	5.19	176	39	4,377	13,261	-8,884
643+07.249	64307.25	7.25	84.70	3.97	22	1	4,399	13,263	-8,864
643+10	64310.00	2.75	76.40	14.66	8	1	4,407	13,264	-8,857
643+15	64315.00	5.00	65.01	16.05	13	3	4,420	13,268	8,848
643+20	64320.00	5.00	66.35	21.88	12	4	4,432	13,273	8,841
643+25	64325.00	5.00	68.16	15.14	12	3	4,444	13,277	-8,833
643+30	64330.00	5.00	68.27	0.00	13	1	4,457	13,278	-8,821
643+35	64335.00	5.00	64.89	0.00	12	0	4,469	13,278	-8,809
643+40	64340.00	5.00	63.59	0.00	12	0	4,481	13,278	-8,797
643+45	64345.00	5.00	56.41	0.00	11	0	4,492	13,278	-8,786
643+50	64350.00	5.00	47.60	0.00	10	0	4,502	13,278	8,776
643+55	64355.00	5.00	37.93	0.00	8	0	4,510	13,278	8,768
643+60	64360.00	5.00	27.47	0.00	6	0	4,516	13,278	-8,762
643+65	64365.00	5.00	16.82	0.00	4	0	4,520	13,278	-8,758
643+70	64370.00	5.00	5.92	0.00	2	0	4,522	13,278	-8,756
643+75	64375.00	5.00	25.04	0.00	3	0	4,525	13,278	-8,753
643+80	64380.00	5.00	73.61	0.00	9	0	4,534	13,278	-8,744
643+85	64385.00	5.00	138.41	0.00	20	0	4,554	13,278	-8,724
643+90	64390.00	5.00	185.46	0.00	30	0	4,584	13,278	-8,694
643+95	64395.00	5.00	203.98	0.03	36	0	4,620	13,278	-8,658
644+00	64400.00	5.00	163.91	0.00	34	0	4,654	13,278	-8,624
644+05	64405.00	5.00	125.74	0.00	27	0	4,681	13,278	-8,597
644+10	64410.00	5.00	110.61	0.03	22	0	4,703	13,278	-8,575
644+15	64415.00	5.00	106.60	0.09	20	0	4,723	13,278	-8,555
644+19.116	64419.12	4.12	109.90	0.36	17	0	4,740	13,278	8,538
644+79.12	64479.12	60.00	60.17	7.09	189	8	4,929	13,289	8,360

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 2 - KELLY LANE

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
25+15	2515.00	0.00	14.23	0.00	0	0	0	0	0
25+20	2520.00	5.00	35.88	0.00	5	0	5	0	5
25+25	2525.00	5.00	54.88	0.00	8	0	13	0	13
25+30	2530.00	5.00	67.27	0.00	11	0	24	0	24
25+35	2535.00	5.00	72.32	0.00	13	0	37	0	37
25+40	2540.00	5.00	76.76	0.00	14	0	51	0	51
25+45	2545.00	5.00	81.26	0.00	15	0	66	0	66
25+50	2550.00	5.00	102.60	0.00	17	0	83	0	83
25+55	2555.00	5.00	119.84	0.00	21	0	104	0	104
25+60	2560.00	5.00	146.78	0.99	25	0	129	0	129
25+65	2565.00	5.00	182.30	15.56	30	2	159	3	156
25+70	2570.00	5.00	208.77	29.42	36	4	195	8	187
25+75	2575.00	5.00	231.29	32.04	41	6	236	16	220
25+80	2580.00	5.00	257.06	27.16	45	5	281	22	259
25+85	2585.00	5.00	282.84	22.52	50	5	331	29	302
25+90	2590.00	5.00	291.19	19.77	53	4	384	34	350
25+95	2595.00	5.00	287.92	18.45	54	4	438	39	399
26+00	2600.00	5.00	262.87	18.21	51	3	489	43	446
26+01.128	2601.13	1.13	263.68	0.00	11	0	500	43	457
26+25	2625.00	23.87	255.10	0.00	229	0	729	43	686
26+50	2650.00	25.00	206.52	0.00	214	0	943	43	900
26+75	2675.00	25.00	189.64	0.00	183	0	1,126	43	1,083
27+00	2700.00	25.00	78.78	0.00	124	0	1,250	43	1,207

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 3 - USH 61 (STA 736+90 - STA 754+00)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.30	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
736+90	73690.00	0.00	55.82	2.49	0	0	0	0	0
737+00	73700.00	10.00	56.73	5.51	21	1	21	1	20
737+86.68	73786.68	86.68	58.50	4.21	185	16	206	22	184
737+90	73790.00	3.32	56.23	9.77	7	1	213	23	190
737+95	73795.00	5.00	61.27	18.93	11	3	224	27	197
738+00	73800.00	5.00	69.35	20.54	12	4	236	33	204
738+05	73805.00	5.00	83.15	21.99	14	4	250	38	212
738+10	73810.00	5.00	101.71	23.09	17	4	267	43	224
738+15	73815.00	5.00	95.37	23.67	18	4	285	48	237
738+20	73820.00	5.00	82.96	21.07	17	4	302	53	249
738+25	73825.00	5.00	81.20	10.81	15	3	317	57	260
738+30	73830.00	5.00	83.65	0.01	15	1	332	59	274
738+35	73835.00	5.00	82.83	0.00	15	0	347	59	289
738+40	73840.00	5.00	75.15	0.00	15	0	362	59	304
738+45	73845.00	5.00	64.27	0.00	13	0	375	59	317
738+50	73850.00	5.00	51.58	0.00	11	0	386	59	328
738+55	73855.00	5.00	37.93	0.00	8	0	394	59	336
738+60	73860.00	5.00	23.91	0.00	6	0	400	59	342
738+65	73865.00	5.00	9.87	0.00	3	0	403	59	345
738+70	73870.00	5.00	6.13	0.00	1	0	404	59	346
738+75	73875.00	5.00	27.21	0.00	3	0	407	59	349
738+80	73880.00	5.00	48.29	0.00	7	0	414	59	356
738+85	73885.00	5.00	69.79	0.00	11	0	425	59	367
738+90	73890.00	5.00	90.93	0.00	15	0	440	59	382
738+95	73895.00	5.00	109.90	0.00	19	0	459	59	401
739+00	73900.00	5.00	100.40	0.65	19	0	478	59	420
739+05	73905.00	5.00	116.75	1.26	20	0	498	59	440
739+10	73910.00	5.00	129.75	1.44	23	0	521	59	463
739+15	73915.00	5.00	122.72	1.38	23	0	544	59	486
739+20	73920.00	5.00	105.36	1.35	21	0	565	59	507
739+25	73925.00	5.00	96.12	1.30	19	0	584	59	526
739+30	73930.00	5.00	98.29	0.00	18	0	602	59	544
740+00	74000.00	70.00	62.46	0.01	208	0	810	59	752
741+00	74100.00	100.00	99.31	2.78	300	5	1,110	65	1,045
742+00	74200.00	100.00	158.31	0.00	477	5	1,587	72	1,516
743+00	74300.00	100.00	111.88	0.00	500	0	2,087	72	2,016
744+00	74400.00	100.00	54.63	0.00	308	0	2,395	72	2,324
745+00	74500.00	100.00	35.22	36.34	166	67	2,561	159	2,402
746+00	74600.00	100.00	33.58	25.85	127	115	2,688	308	2,380
747+00	74700.00	100.00	62.87	0.00	179	48	2,867	371	2,497
748+00	74800.00	100.00	67.44	2.64	241	5	3,108	377	2,731
749+00	74900.00	100.00	135.01	0.00	375	5	3,483	384	3,100
750+00	75000.00	100.00	153.15	0.00	534	0	4,017	384	3,634
751+00	75100.00	100.00	141.03	0.00	545	0	4,562	384	4,179
752+00	75200.00	100.00	133.35	0.00	508	0	5,070	384	4,687
753+00	75300.00	100.00	94.90	0.00	423	0	5,493	384	5,110
754+00	75400.00	100.00	32.21	0.00	235	0	5,728	384	5,345

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 3 - ABING LANE

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
65+15	6515.00	0.00	15.43	0.00	0	0	0	0	0
65+20	6520.00	5.00	41.80	0.00	5	0	5	0	5
65+25	6525.00	5.00	68.42	0.00	10	0	15	0	15
65+30	6530.00	5.00	93.42	0.00	15	0	30	0	30
65+35	6535.00	5.00	117.42	0.00	20	0	50	0	50
65+40	6540.00	5.00	138.00	0.00	24	0	74	0	74
65+45	6545.00	5.00	143.57	0.00	26	0	100	0	100
65+50	6550.00	5.00	103.38	0.00	23	0	123	0	123
65+55	6555.00	5.00	115.16	6.65	20	1	143	1	142
65+60	6560.00	5.00	198.20	0.00	29	1	172	3	169
65+65	6565.00	5.00	264.37	0.00	43	0	215	3	212
65+70	6570.00	5.00	314.31	0.00	54	0	269	3	266
65+75	6575.00	5.00	326.78	0.00	59	0	328	3	325
65+80	6580.00	5.00	340.02	0.00	62	0	390	3	387
65+85	6585.00	5.00	346.92	0.00	64	0	454	3	451
65+90	6590.00	5.00	349.32	0.00	64	0	518	3	515
65+92.493	6592.49	2.49	354.54	0.00	32	0	550	3	547
66+00	6600.00	7.51	365.15	0.00	100	0	650	3	647
66+25	6625.00	25.00	333.76	0.00	324	0	974	3	971
66+50	6650.00	25.00	316.87	0.00	301	0	1,275	3	1,272
66+75	6675.00	25.00	269.31	0.00	271	0	1,546	3	1,543
67+00	6700.00	25.00	241.93	0.00	237	0	1,783	3	1,780
67+25	6725.00	25.00	223.02	0.00	215	0	1,998	3	1,995
67+50	6750.00	25.00	205.30	0.00	198	0	2,196	3	2,193
67+75	6775.00	25.00	186.17	0.00	181	0	2,377	3	2,374
68+00	6800.00	25.00	168.26	0.00	164	0	2,541	3	2,538
68+25	6825.00	25.00	113.42	0.04	130	0	2,671	3	2,668
68+50	6850.00	25.00	82.29	0.83	91	0	2,762	3	2,759
68+55	6855.00	5.00	81.06	1.38	15	0	2,777	3	2,774

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 4 - US:I 61 (STA 986+50 - STA 1075+00)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
986+50	98650.00	0.00	21.02	0.00	0	0	0	0	0
987+00	98700.00	50.00	27.48	0.00	45	0	45	0	45
988+00	98800.00	100.00	25.85	0.32	99	1	144	1	143
989+00	98900.00	100.00	26.96	21.91	98	41	242	55	187
989+77.314	98977.31	77.31	28.22	55.77	79	111	321	199	122
990+00	99000.00	22.69	28.60	33.29	24	37	345	247	98
991+00	99100.00	100.00	37.61	12.13	123	84	468	356	112
992+00	99200.00	100.00	33.46	7.89	132	37	600	404	196
993+00	99300.00	100.00	57.24	0.00	168	15	768	424	344
994+00	99400.00	100.00	32.56	9.61	166	18	934	447	487
995+00	99500.00	100.00	47.03	7.09	147	31	1,081	488	594
996+00	99600.00	100.00	67.95	6.53	213	25	1,294	520	774
997+00	99700.00	100.00	105.85	6.61	322	24	1,616	551	1,065
998+00	99800.00	100.00	117.64	3.12	414	18	2,030	575	1,455
999+00	99900.00	100.00	68.30	6.88	344	19	2,374	599	1,775
1000+00	100000.00	100.00	50.42	8.12	220	28	2,594	636	1,958
1001+00	100100.00	100.00	70.28	9.10	224	32	2,818	677	2,141
1002+00	100200.00	100.00	150.74	6.50	409	29	3,227	715	2,512
1003+00	100300.00	100.00	254.60	3.87	751	19	3,978	740	3,238
1004+00	100400.00	100.00	360.02	0.16	1,138	7	5,116	749	4,367
1005+00	100500.00	100.00	400.45	0.14	1,408	1	6,524	750	5,774
1006+00	100600.00	100.00	178.55	1.82	1,072	4	7,596	755	6,841
1007+00	100700.00	100.00	75.52	6.76	471	16	8,067	776	7,291
1008+00	100800.00	100.00	67.38	5.99	265	24	8,332	807	7,525
1008+90.237	100890.24	90.24	80.80	0.00	248	10	8,580	820	7,760
1009+00	100900.00	9.76	75.83	0.00	28	0	8,608	820	7,788
1010+00	101000.00	100.00	46.90	0.00	227	0	8,835	820	8,015
1010+13.715	101013.71	13.71	46.22	0.00	24	0	8,859	820	8,039
1011+00	101100.00	86.29	35.72	89.47	131	143	8,990	1,006	7,984
1011+76.068	101176.07	76.07	37.02	130.45	102	310	9,092	1,409	7,683
1012+00	101200.00	23.93	41.25	82.88	35	95	9,127	1,533	7,594
1013+00	101300.00	100.00	34.90	58.42	141	262	9,268	1,873	7,395
1014+00	101400.00	100.00	40.00	7.25	139	122	9,407	2,032	7,375
1015+00	101500.00	100.00	153.64	3.72	359	20	9,766	2,058	7,708
1016+00	101600.00	100.00	223.87	2.96	699	12	10,465	2,074	8,392
1017+00	101700.00	100.00	166.32	4.29	723	13	11,188	2,090	9,098
1018+00	101800.00	100.00	147.88	2.43	582	12	11,770	2,106	9,664
1019+00	101900.00	100.00	164.73	2.91	579	10	12,349	2,119	10,230
1020+00	102000.00	100.00	210.46	8.31	695	21	13,044	2,146	10,898
1021+00	102100.00	100.00	288.40	5.71	924	26	13,968	2,180	11,788
1022+00	102200.00	100.00	249.66	4.80	996	19	14,964	2,205	12,759
1023+00	102300.00	100.00	216.25	3.43	863	15	15,827	2,224	13,603
1024+00	102400.00	100.00	132.34	4.24	646	14	16,473	2,243	14,231
1025+00	102500.00	100.00	36.56	12.59	313	31	16,786	2,283	14,503

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 4 - USH 61 (STA 986+50 - STA 1075+00) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1047+00	104700.00	100.00	106.43	4.52	447	8	22,224	3,857	18,367
1048+00	104800.00	100.00	112.11	2.08	405	12	22,629	3,873	18,756
1049+00	104900.00	100.00	132.20	2.91	452	9	23,081	3,884	19,197
1050+00	105000.00	100.00	43.09	10.47	325	25	23,406	3,917	19,489
1051+00	105100.00	100.00	39.01	44.24	152	101	23,558	4,048	19,510
1051+21.007	105121.01	21.01	41.00	60.94	31	41	23,589	4,102	19,488
1052+00	105200.00	78.99	32.94	30.77	108	134	23,697	4,276	19,421
1053+00	105300.00	100.00	34.47	42.91	125	136	23,822	4,453	19,370
1054+00	105400.00	100.00	38.79	20.54	136	117	23,958	4,605	19,353
1055+00	105500.00	100.00	68.73	6.02	199	49	24,157	4,668	19,489
1056+00	105600.00	100.00	113.47	9.07	337	28	24,494	4,705	19,789
1057+00	105700.00	100.00	169.78	8.34	525	32	25,019	4,746	20,273
1058+00	105800.00	100.00	215.70	6.24	714	27	25,733	4,781	20,952
1059+00	105900.00	100.00	256.49	3.55	874	18	26,607	4,805	21,802
1060+00	106000.00	100.00	223.32	5.43	889	17	27,496	4,827	22,669
1061+00	106100.00	100.00	164.28	6.81	718	23	28,214	4,857	23,357
1061+90.939	106190.94	90.94	96.90	0.00	440	11	28,654	4,871	23,783
1062+00	106200.00	9.06	83.43	0.00	30	0	28,684	4,871	23,813
1063+00	106300.00	100.00	33.59	40.77	217	75	28,901	4,969	23,932
1064+00	106400.00	100.00	40.70	51.59	138	171	29,039	5,191	23,848
1064+43	106443.00	43.00	47.54	126.91	70	142	29,109	5,376	23,734
1065+00	106500.00	57.00	36.35	67.17	89	205	29,198	5,642	23,556
1066+00	106600.00	100.00	32.89	52.63	128	222	29,326	5,931	23,395
1067+00	106700.00	100.00	35.08	28.23	126	150	29,452	6,126	23,326
1068+00	106800.00	100.00	55.50	9.02	168	69	29,620	6,215	23,405
1069+00	106900.00	100.00	104.46	8.55	296	33	29,916	6,258	23,658
1069+90.081	106990.08	90.08	102.56	0.00	345	14	30,261	6,276	23,985
1070+00	107000.00	9.92	95.31	0.00	36	0	30,297	6,276	24,021
1071+00	107100.00	100.00	94.09	14.65	351	27	30,648	6,312	24,337
1072+00	107200.00	100.00	56.24	13.64	278	52	30,926	6,379	24,547
1073+00	107300.00	100.00	25.34	10.99	151	46	31,077	6,439	24,638
1074+00	107400.00	100.00	23.60	6.92	91	33	31,168	6,482	24,686
1075+00	107500.00	100.00	20.17	1.21	81	15	31,249	6,501	24,748

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 4 - LONE ELM TREE RD EAST

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
225+15	22515.00	0.00	13.19	0.00	0	0	0	0	0
225+20	22520.00	5.00	34.30	0.00	4	0	4	0	4
225+25	22525.00	5.00	54.19	0.00	8	0	12	0	12
225+30	22530.00	5.00	72.15	0.00	12	0	24	0	24
225+35	22535.00	5.00	90.90	0.00	15	0	39	0	39
225+40	22540.00	5.00	108.27	0.00	18	0	57	0	57
225+45	22545.00	5.00	121.00	0.00	21	0	78	0	78
225+50	22550.00	5.00	123.41	3.56	23	0	101	0	101
225+55	22555.00	5.00	117.61	44.37	22	4	123	5	118
225+60	22560.00	5.00	113.05	62.38	21	10	144	18	126
225+65	22565.00	5.00	121.74	66.81	22	12	166	34	132
225+70	22570.00	5.00	143.11	57.70	25	12	191	49	142
225+75	22575.00	5.00	139.56	51.84	26	10	217	62	155
225+80	22580.00	5.00	132.61	50.88	25	10	242	75	167
225+85	22585.00	5.00	131.78	54.57	24	10	266	88	178
225+90	22590.00	5.00	128.89	11.66	24	6	290	96	194
225+91	22591.00	1.00	128.72	36.88	5	1	295	98	198
226+00	22600.00	9.00	119.12	42.46	41	13	336	114	222
226+25	22625.00	25.00	109.74	38.89	106	38	442	164	278
226+50	22650.00	25.00	105.54	28.72	100	31	542	204	338
226+75	22675.00	25.00	89.87	15.02	90	20	632	230	402
226+95	22695.00	20.00	38.30	1.35	47	6	679	238	441

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 5 - USH 61 (STA 1090+00 - STA 1196+00)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1090+00	109000.00	0.00	22.60	0.02	0	0	0	0	0
1091+00	109100.00	100.00	25.01	29.93	88	55	88	72	17
1092+00	109200.00	100.00	32.35	12.38	106	78	194	173	21
1093+00	109300.00	100.00	110.18	0.00	264	23	458	203	255
1093+35.8	109335.80	35.80	91.06	0.00	133	0	591	203	388
1094+00	109400.00	64.20	125.73	0.00	258	0	849	203	646
1095+00	109500.00	100.00	49.45	15.62	324	29	1,173	241	933
1096+00	109600.00	100.00	56.82	75.97	197	170	1,370	462	909
1097+00	109700.00	100.00	44.61	186.16	188	485	1,558	1,092	466
1097+47.567	109747.57	47.57	49.51	320.86	83	447	1,641	1,673	-32
1098+00	109800.00	52.43	34.21	132.73	81	440	1,722	2,245	523
1099+00	109900.00	100.00	35.24	151.84	129	527	1,851	2,930	-1,079
1100+00	110000.00	100.00	33.15	27.45	127	332	1,978	3,362	-1,384
1101+00	110100.00	100.00	87.77	8.92	224	67	2,202	3,449	-1,247
1102+00	110200.00	100.00	140.17	4.67	422	25	2,624	3,481	-857
1103+00	110300.00	100.00	32.49	8.33	320	24	2,944	3,513	-569
1103+89.6	110389.60	89.60	82.14	0.00	190	14	3,134	3,531	-397
1104+00	110400.00	10.40	81.55	0.00	32	0	3,166	3,531	-365
1105+00	110500.00	100.00	29.67	39.75	206	74	3,372	3,627	-255
1106+00	110600.00	100.00	29.23	106.17	109	270	3,481	3,978	-497
1107+00	110700.00	100.00	33.22	259.77	116	678	3,597	4,859	-1,262
1107+65.245	110765.24	65.24	37.15	452.82	85	861	3,682	5,979	-2,297
1108+00	110800.00	34.76	38.08	296.57	48	482	3,730	6,605	-2,875
1109+00	110900.00	100.00	36.81	104.75	139	743	3,869	7,571	-3,702
1110+00	111000.00	100.00	39.20	44.93	141	277	4,010	7,931	-3,921
1111+00	111100.00	100.00	44.85	25.87	156	131	4,166	8,102	-3,936
1112+00	111200.00	100.00	87.94	10.76	246	68	4,412	8,190	3,778
1113+00	111300.00	100.00	130.63	5.23	405	30	4,817	8,229	-3,412
1114+00	111400.00	100.00	213.45	14.54	637	37	5,454	8,277	-2,823
1115+00	111500.00	100.00	240.83	16.89	841	58	6,295	8,353	-2,058
1116+00	111600.00	100.00	216.36	14.57	847	58	7,142	8,428	-1,286
1116+25	111625.00	25.00	233.89	11.50	208	12	7,350	8,444	-1,094
1116+30	111630.00	5.00	226.28	13.09	43	2	7,393	8,446	-1,053
1116+35	111635.00	5.00	223.62	17.41	42	3	7,435	8,450	-1,015
1116+40	111640.00	5.00	224.62	26.25	42	4	7,477	8,455	978
1116+45	111645.00	5.00	223.52	32.27	41	5	7,518	8,462	-944
1116+50	111650.00	5.00	229.59	33.19	42	6	7,560	8,470	-910
1116+55	111655.00	5.00	222.48	28.11	42	6	7,602	8,477	-875
1116+60	111660.00	5.00	216.78	15.42	41	4	7,643	8,483	-840
1116+65	111665.00	5.00	221.17	3.70	41	2	7,684	8,485	-801
1116+70	111670.00	5.00	216.89	2.80	41	1	7,725	8,486	-761
1116+75	111675.00	5.00	222.59	0.00	41	0	7,766	8,486	720
1116+80	111680.00	5.00	211.03	0.00	40	0	7,806	8,486	-680
1116+85	111685.00	5.00	189	0	37	0	7,843	8,486	-643

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 5 - USH 61 (STA 1090+00 - STA 1196+00) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1116+90	111690.00	5.00	165.39	0.00	33	0	7,876	8,486	-610
1116+95	111695.00	5.00	140.93	0.00	28	0	7,904	8,486	-582
1117+00	111700.00	5.00	124.62	0.00	25	0	7,929	8,486	557
1117+05	111705.00	5.00	133.77	0.00	24	0	7,953	8,486	-533
1117+10	111710.00	5.00	160.57	0.00	27	0	7,980	8,486	-506
1117+15	111715.00	5.00	187.07	0.00	32	0	8,012	8,486	-474
1117+20	111720.00	5.00	207.62	0.00	37	0	8,049	8,486	-437
1117+25	111725.00	5.00	213.34	10.69	39	1	8,088	8,488	-400
1117+30	111730.00	5.00	223.77	24.56	40	3	8,128	8,492	-364
1117+35	111735.00	5.00	251.67	25.34	44	5	8,172	8,498	-326
1117+40	111740.00	5.00	269.67	18.97	48	4	8,220	8,503	-283
1117+45	111745.00	5.00	298.28	14.23	53	3	8,273	8,507	234
1117+50	111750.00	5.00	330.64	12.30	58	2	8,331	8,510	-179
1117+55	111755.00	5.00	331.97	20.97	61	3	8,392	8,514	-122
1117+60	111760.00	5.00	302.48	21.52	59	4	8,451	8,519	-68
1117+65	111765.00	5.00	269.12	21.68	53	4	8,504	8,524	-20
1117+70	111770.00	5.00	230.80	22.22	46	4	8,550	8,529	21
1117+75	111775.00	5.00	198.42	24.63	40	4	8,590	8,535	56
1118+00	111800.00	25.00	172.81	22.26	172	22	8,762	8,563	199
1119+00	111900.00	100.00	89.84	4.68	486	50	9,248	8,628	620
1120+00	112000.00	100.00	72.39	9.50	300	26	9,548	8,662	886
1121+00	112100.00	100.00	76.68	9.68	276	36	9,824	8,709	1,115
1122+00	112200.00	100.00	105.39	6.69	337	30	10,161	8,748	1,413
1123+00	112300.00	100.00	126.99	4.85	430	21	10,591	8,775	1,816
1124+00	112400.00	100.00	107.56	7.27	434	22	11,025	8,804	2,221
1125+00	112500.00	100.00	118.97	5.71	420	24	11,445	8,835	2,610
1126+00	112600.00	100.00	106.56	4.20	418	18	11,863	8,858	3,005
1127+00	112700.00	100.00	92.97	4.98	369	17	12,232	8,880	3,352
1128+00	112800.00	100.00	65.22	5.01	293	19	12,525	8,905	3,620
1129+00	112900.00	100.00	56.98	5.71	226	20	12,751	8,931	3,820
1130+00	113000.00	100.00	35.55	5.11	171	20	12,922	8,957	3,965
1130+20.91	113020.91	20.91	65.37	0.00	39	2	12,961	8,960	4,001
1131+00	113100.00	79.09	43.26	7.66	159	11	13,120	8,974	4,146
1132+00	113200.00	100.00	29.68	39.89	135	88	13,255	9,088	4,167
1133+00	113300.00	100.00	34.27	66.31	118	197	13,373	9,344	4,029
1133+21.844	113321.84	21.84	36.97	66.84	29	54	13,402	9,415	3,987
1134+00	113400.00	78.16	28.84	9.06	95	110	13,497	9,558	3,939
1135+00	113500.00	100.00	61.55	4.09	167	24	13,664	9,589	4,075
1136+00	113600.00	100.00	82.06	4.39	266	16	13,930	9,610	4,320
1137+00	113700.00	100.00	66.29	5.91	275	19	14,205	9,634	4,571
1138+00	113800.00	100.00	30.60	7.44	179	25	14,384	9,667	4,717
1139+00	113900.00	100.00	30.97	48.56	114	104	14,498	9,802	4,696
1140+00	114000.00	100.00	32.88	70.17	118	220	14,616	10,088	4,528
1141+00	114100.00	100.00	32.02	17.60	120	163	14,736	10,300	4,436
1142+00	114200.00	100.00	33.61	16.83	122	64	14,858	10,383	4,475
1143+00	114300.00	100.00	35.47	17.34	128	63	14,986	10,465	4,521
1143+61.94	114361.94	61.94	39.70	3.21	86	24	15,072	10,496	4,576
1144+00	114400.00	38.06	44.38	31.20	59	24	15,131	10,527	4,604
1144+29.155	114429.16	29.16	41.56	38.72	46	38	15,177	10,577	4,600
1144+34.759	114434.76	5.60	41	31	9	7	15,186	10,586	4,600

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 5 - USH 61 (STA 1090+00 - STA 1196+00) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1145+00	114500.00	65.24	34.03	23.39	91	66	15,277	10,672	4,605
1146+00	114600.00	100.00	37.90	27.10	124	93	15,401	10,793	4,608
1147+00	114700.00	100.00	32.41	25.89	121	98	15,522	10,920	4,602
1148+00	114800.00	100.00	33.00	22.56	121	90	15,643	11,037	4,606
1149+00	114900.00	100.00	38.99	17.71	133	75	15,776	11,135	4,642
1150+00	115000.00	100.00	32.87	20.48	133	71	15,909	11,227	4,682
1151+00	115100.00	100.00	39.15	30.34	133	94	16,042	11,349	4,693
1152+00	115200.00	100.00	43.85	40.40	154	131	16,196	11,519	4,677
1153+00	115300.00	100.00	48.25	41.72	171	152	16,367	11,717	4,650
1154+00	115400.00	100.00	52.96	51.09	187	172	16,554	11,941	4,614
1155+00	115500.00	100.00	57.97	43.23	205	175	16,759	12,168	4,591
1156+00	115600.00	100.00	62.13	48.30	222	170	16,981	12,389	4,592
1157+00	115700.00	100.00	70.41	41.73	245	167	17,226	12,606	4,620
1158+00	115800.00	100.00	72.29	35.62	264	143	17,490	12,792	4,698
1159+00	115900.00	100.00	81.40	35.83	285	132	17,775	12,964	4,811
1160+00	116000.00	100.00	71.19	33.11	283	128	18,058	13,130	4,928
1161+00	116100.00	100.00	48.67	45.78	222	146	18,280	13,320	4,960
1162+00	116200.00	100.00	40.21	53.59	165	184	18,445	13,559	4,886
1163+00	116300.00	100.00	38.13	50.16	145	192	18,590	13,809	4,781
1163+32.21	116332.21	32.21	50.18	0.00	53	30	18,643	13,848	4,795
1164+00	116400.00	67.79	32.75	46.31	104	58	18,747	13,923	4,824
1165+00	116500.00	100.00	31.10	35.97	118	152	18,865	14,121	4,744
1166+00	116600.00	100.00	27.76	45.06	109	150	18,974	14,316	4,658
1167+00	116700.00	100.00	27.74	57.70	103	190	19,077	14,563	4,514
1168+00	116800.00	100.00	0.43	85.72	52	266	19,129	14,908	4,221
1169+00	116900.00	100.00	0.60	38.31	2	230	19,131	15,207	3,924
1169+38.538	116938.54	38.54	0.01	41.40	0	57	19,131	15,282	3,850
1169+40	116940.00	1.46	0.00	41.54	0	2	19,131	15,284	3,847
1169+45	116945.00	5.00	0.08	39.89	0	8	19,131	15,295	3,837
1169+50	116950.00	5.00	0.00	38.63	0	7	19,131	15,304	3,827
1169+55	116955.00	5.00	0.32	38.32	0	7	19,131	15,313	3,818
1169+60	116960.00	5.00	1.01	40.18	0	7	19,131	15,322	3,809
1169+65	116965.00	5.00	1.05	33.23	0	7	19,131	15,331	3,800
1169+70	116970.00	5.00	0.34	20.24	0	5	19,131	15,337	3,794
1169+75	116975.00	5.00	0.00	7.51	0	3	19,131	15,341	3,790
1169+80	116980.00	5.00	0.01	0.00	0	1	19,131	15,343	3,788
1169+85	116985.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1169+90	116990.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1169+95	116995.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+00	117000.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+05	117005.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+10	117010.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+15	117015.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+20	117020.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+25	117025.00	5.00	0.00	0.00	0	0	19,131	15,343	3,788
1170+30	117030.00	5.00	0.46	0.00	0	0	19,131	15,343	3,788
1170+35	117035.00	5.00	0.35	6.65	0	1	19,131	15,344	3,787
1170+40	117040.00	5.00	0.31	16.07	0	2	19,131	15,347	3,785
1170+45	117045.00	5.00	0.22	15.15	0	3	19,131	15,350	3,781
1170+50	117050.00	5.00	7	13	1	3	19,132	15,354	3,778

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 5 - USH 61 (STA 1090+00 - STA 1196+00) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1170+55	117055.00	5.00	8.37	13.05	1	2	19,133	15,357	3,776
1170+60	117060.00	5.00	7.95	13.53	2	2	19,135	15,360	3,776
1170+65	117065.00	5.00	7.54	13.96	1	3	19,136	15,363	3,773
1170+70	117070.00	5.00	7.05	16.18	1	3	19,137	15,367	3,770
1170+73.726	117073.73	3.73	7.74	18.97	1	2	19,138	15,370	3,768
1171+00	117100.00	26.27	5.91	23.72	7	21	19,145	15,397	3,748
1172+00	117200.00	100.00	16.12	27.71	41	95	19,186	15,521	3,665
1173+00	117300.00	100.00	27.50	26.47	81	100	19,267	15,651	3,616
1174+00	117400.00	100.00	20.74	27.35	89	100	19,356	15,781	3,575
1175+00	117500.00	100.00	10.88	36.47	59	118	19,415	15,934	3,481
1176+00	117600.00	100.00	7.01	30.51	33	124	19,448	16,095	3,353
1177+00	117700.00	100.00	8.95	30.70	30	113	19,478	16,242	3,236
1178+00	117800.00	100.00	9.67	29.28	34	111	19,512	16,387	3,126
1179+00	117900.00	100.00	6.00	24.53	29	100	19,541	16,517	3,025
1180+00	118000.00	100.00	1.37	34.27	14	109	19,555	16,658	2,897
1181+00	118100.00	100.00	24.67	28.89	48	117	19,603	16,810	2,793
1182+00	118200.00	100.00	13.12	30.69	70	110	19,673	16,953	2,720
1182+81.26	118281.26	81.26	18.97	0.00	48	46	19,721	17,013	2,708
1183+00	118300.00	18.74	4.55	30.23	8	10	19,729	17,026	2,703
1184+00	118400.00	100.00	0.00	65.06	8	176	19,737	17,255	2,482
1185+00	118500.00	100.00	0.00	84.02	0	276	19,737	17,614	2,123
1185+12.389	118512.39	12.39	1.63	81.20	0	38	19,737	17,663	2,074
1186+00	118600.00	87.61	0.00	102.49	3	298	19,740	18,051	1,690
1187+00	118700.00	100.00	0.00	64.45	0	309	19,740	18,452	1,288
1188+00	118800.00	100.00	24.49	35.04	45	184	19,785	18,691	1,094
1189+00	118900.00	100.00	55.42	24.26	148	110	19,933	18,834	1,099
1190+00	119000.00	100.00	45.55	22.64	187	87	20,120	18,948	1,173
1191+00	119100.00	100.00	33.93	23.81	147	86	20,267	19,059	1,208
1192+00	119200.00	100.00	16.63	31.65	94	103	20,361	19,193	1,168
1193+00	119300.00	100.00	20.04	33.29	68	120	20,429	19,349	1,080
1194+00	119400.00	100.00	22.89	27.73	80	113	20,509	19,496	1,013
1195+00	119500.00	100.00	18.84	24.02	77	96	20,586	19,621	965
1196+00	119600.00	100.00	0	2	35	48	20,621	19,683	938

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 5 - SUBSTATION RD - EAST

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
235+15	23515.00	0.00	20.25	0.00	0	0	0	0	0
235+20	23520.00	5.00	53.35	0.00	7	0	7	0	7
235+25	23525.00	5.00	85.60	0.00	13	0	20	0	20
235+30	23530.00	5.00	106.52	0.00	18	0	38	0	38
235+35	23535.00	5.00	121.79	5.88	21	1	59	1	58
235+40	23540.00	5.00	139.82	2.26	24	1	83	3	80
235+45	23545.00	5.00	149.78	5.14	27	1	110	4	106
235+50	23550.00	5.00	143.88	6.79	27	1	137	5	132
235+55	23555.00	5.00	128.54	9.03	25	1	162	7	156
235+60	23560.00	5.00	120.11	6.49	23	1	185	8	177
235+65	23565.00	5.00	116.54	4.40	22	1	207	9	198
235+70	23570.00	5.00	114.67	3.51	21	1	228	10	218
235+74.53	23574.53	4.53	116.58	2.20	19	0	247	10	237
235+75	23575.00	0.47	122.16	0.07	2	0	249	10	239
236+00	23600.00	25.00	119.04	0.00	112	0	361	10	351
236+25	23625.00	25.00	122.61	0.00	112	0	473	10	463
236+50	23650.00	25.00	125.88	0.00	115	0	588	10	578
236+65	23665.00	15.00	107.34	0.00	65	0	653	10	643

DIVISION 5 - SUBSTATION RD - WEST

STATION	REAL STATION	DISTANCE	AREA (SF)		NTAL VOL (CY) (UNA	CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
246+25	24625.00	0.00	60.19	0.02	0	0	0	0
246+50	24650.00	25.00	134.07	0.00	90	90	0	90
246+75	24675.00	25.00	176.07	0.00	144	234	0	234
247+00	24700.00	25.00	247.32	0.01	196	430	0	430
247+05	24705.00	5.00	254.33	0.00	46	476	0	476
247+10	24710.00	5.00	252.91	0.00	47	523	0	523
247+15	24715.00	5.00	240.56	0.08	46	569	0	569
247+20	24720.00	5.00	242.65	1.65	45	614	0	614
247+25	24725.00	5.00	251.22	3.45	46	660	0	660
247+30	24730.00	5.00	255.60	3.95	47	707	1	706
247+35	24735.00	5.00	238.20	3.43	46	753	3	750
247+40	24740.00	5.00	209.10	2.90	41	794	4	790
247+45	24745.00	5.00	184.64	0.00	36	830	4	826
247+50	24750.00	5.00	154.49	0.00	31	861	4	857
247+55	24755.00	5.00	114.32	0.00	25	886	4	882
247+60	24760.00	5.00	72.13	0.00	17	903	4	899
247+65	24765.00	5.00	30.00	0.00	9	912	4	908

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 5 - W AIRPORT RD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 3	NOTE 1		NOTE 8
266+27.08	26627.08	0.00	11.86	0.00	0.00	0	0	0	0	0
266+50	26650.00	22.92	9.22	0.00	4.12	9	2	9	3	6
266+75	26675.00	25.00	5.61	0.00	13.69	7	8	16	13	3
267+00	26700.00	25.00	4.27	0.00	24.11	5	17	21	35	-14
267+05.432	26705.43	5.43	3.98	0.00	25.36	1	5	22	42	-20
267+10	26710.00	4.57	4.76	0.00	21.78	1	4	23	47	-24
267+15	26715.00	5.00	4.90	0.00	21.08	1	4	24	52	-28
267+20	26720.00	5.00	5.00	0.00	23.22	1	4	25	57	-32
267+25	26725.00	5.00	5.69	0.00	27.86	1	5	26	64	-38
267+30	26730.00	5.00	7.45	0.00	34.59	1	6	27	72	-45
267+35	26735.00	5.00	2.03	0.00	43.24	1	7	28	81	-53
267+40	26740.00	5.00	0.54	0.00	45.77	0	8	28	91	-63
267+45	26745.00	5.00	1.26	0.00	33.03	0	7	28	100	-72
267+50	26750.00	5.00	1.43	0.00	6.13	0	4	28	105	-77
267+55	26755.00	5.00	0.42	0.00	0.02	0	1	28	107	-79
267+60	26760.00	5.00	0.00	0.00	0.00	0	0	28	107	-79
267+65	26765.00	5.00	0.00	0.00	0.00	0	0	28	107	-79
267+70	26770.00	5.00	0.00	0.00	0.00	0	0	28	107	-79
267+75	26775.00	5.00	0.00	0.00	0.00	0	0	28	107	-79
267+80	26780.00	5.00	0.00	0.00	0.00	0	0	28	107	-79

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 6 - USH 61 (STA 1204+00 - STA 1270+00)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1204+00	120400.00	0.00	21.41	0.32	0	0	0	0	0
1205+00	120500.00	100.00	24.56	1.52	85	3	85	4	81
1206+00	120600.00	100.00	26.03	8.68	94	19	179	29	150
1207+00	120700.00	100.00	29.12	10.51	102	36	281	75	206
1208+00	120800.00	100.00	51.25	13.91	149	45	430	134	296
1209+00	120900.00	100.00	38.75	5.52	167	36	597	181	416
1209+23.578	120923.58	23.58	48.46	18.59	38	11	635	195	440
1210+00	121000.00	76.42	36.87	15.15	121	48	756	257	499
1211+00	121100.00	100.00	41.33	14.21	145	54	901	328	573
1212+00	121200.00	100.00	34.82	19.52	141	62	1,042	408	634
1213+00	121300.00	100.00	35.57	18.14	130	70	1,172	499	673
1214+00	121400.00	100.00	47.83	12.51	154	57	1,326	573	753
1215+00	121500.00	100.00	53.81	8.93	188	40	1,514	625	889
1216+00	121600.00	100.00	37.28	14.52	169	43	1,683	681	1,002
1217+00	121700.00	100.00	42.30	14.29	147	53	1,830	750	1,080
1218+00	121800.00	100.00	44.30	11.76	160	48	1,990	813	1,178
1219+00	121900.00	100.00	45.37	9.75	166	40	2,156	865	1,292
1220+00	122000.00	100.00	44.43	13.56	166	43	2,322	920	1,402
1221+00	122100.00	100.00	36.74	16.15	150	55	2,472	992	1,480
1222+00	122200.00	100.00	32.41	19.83	128	67	2,600	1,079	1,521
1222+22.28	122222.28	22.28	35.97	25.38	28	19	2,628	1,104	1,524
1222+25	122225.00	2.72	36.46	27.10	4	3	2,632	1,108	1,524
1222+30	122230.00	5.00	37.18	32.25	7	5	2,639	1,114	1,525
1222+35	122235.00	5.00	38.88	34.88	7	6	2,646	1,122	1,524
1222+40	122240.00	5.00	41.33	34.71	7	6	2,653	1,130	1,523
1222+45	122245.00	5.00	44.34	32.02	8	6	2,661	1,138	1,524
1222+50	122250.00	5.00	42.44	25.43	8	5	2,669	1,144	1,525
1222+55	122255.00	5.00	48.27	11.21	8	3	2,677	1,148	1,529
1222+60	122260.00	5.00	65.39	0.00	11	1	2,688	1,149	1,539
1222+65	122265.00	5.00	67.71	0.00	12	0	2,700	1,149	1,551
1222+70	122270.00	5.00	67.12	0.00	12	0	2,712	1,149	1,563
1222+75	122275.00	5.00	55.25	0.00	11	0	2,723	1,149	1,574
1222+80	122280.00	5.00	41.26	0.00	9	0	2,732	1,149	1,583
1222+85	122285.00	5.00	26.91	0.00	6	0	2,738	1,149	1,589
1222+90	122290.00	5.00	11.55	0.00	4	0	2,742	1,149	1,593
1222+95	122295.00	5.00	4.87	0.00	2	0	2,744	1,149	1,595
1223+00	122300.00	5.00	22.48	0.00	3	0	2,747	1,149	1,598
1223+05	122305.00	5.00	39.61	0.00	6	0	2,753	1,149	1,604
1223+10	122310.00	5.00	54.38	0.00	9	0	2,762	1,149	1,613
1223+15	122315.00	5.00	59.28	0.00	11	0	2,773	1,149	1,624
1223+20	122320.00	5.00	56.97	0.00	11	0	2,784	1,149	1,635
1223+25	122325.00	5.00	43.56	13.14	9	1	2,793	1,151	1,643
1223+30	122330.00	5.00	36.53	24.59	7	3	2,800	1,154	1,646
1223+35	122335.00	5.00	43.57	25.42	7	5	2,807	1,161	1,646
1223+40	122340.00	5.00	40.35	28.32	8	5	2,815	1,167	1,648
1223+45	122345.00	5.00	35.76	29.66	7	5	2,822	1,174	1,648
1223+50	122350.00	5.00	32.69	28.71	6	5	2,828	1,180	1,648
1223+55	122355.00	5.00	31.74	25.54	6	5	2,834	1,187	1,647
1223+57.407	122357.41	2.41	31.65	20.77	3	2	2,837	1,190	1,648
1224+00	122400.00	42.59	33.46	13.03	51	27	2,888	1,225	1,663

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 6 - USH 61 (STA 1204+00 - STA 1270+00) CONTINUED

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1224+81.44	122481.44	81.44	57.32	0.00	137	20	3,025	1,251	1,774
1225+00	122500.00	18.56	39.68	11.29	33	4	3,058	1,256	1,802
1226+00	122600.00	100.00	33.47	43.58	135	102	3,193	1,388	1,805
1227+00	122700.00	100.00	39.17	127.40	135	317	3,328	1,801	1,528
1227+46.371	122746.37	46.37	41.77	257.73	70	331	3,398	2,231	1,167
1228+00	122800.00	53.63	30.01	123.79	71	379	3,469	2,724	746
1229+00	122900.00	100.00	30.10	4.50	111	238	3,580	3,033	547
1230+00	123000.00	100.00	28.62	34.76	109	73	3,689	3,128	561
1231+00	123100.00	100.00	26.47	158.92	102	359	3,791	3,595	197
1231+77.63	123177.63	77.63	25.93	394.92	75	796	3,866	4,629	763
1232+00	123200.00	22.37	31.72	240.21	24	263	3,890	4,971	-1,081
1232+30	123230.00	30.00	43.39	0.45	42	134	3,932	5,145	-1,213
1233+00	123300.00	70.00	31.10	59.48	97	78	4,029	5,247	-1,218
1234+00	123400.00	100.00	33.41	21.22	119	149	4,148	5,441	-1,293
1234+63.58	123463.58	63.58	97.16	0.00	154	25	4,302	5,473	1,171
1235+00	123500.00	36.42	48.74	14.25	98	10	4,400	5,486	-1,086
1236+00	123600.00	100.00	54.20	11.41	191	48	4,591	5,548	-957
1236+92.27	123692.27	92.27	76.00	0.00	222	20	4,813	5,574	-761
1237+00	123700.00	7.73	85.28	0.00	23	0	4,836	5,574	-738
1238+00	123800.00	100.00	108.99	3.09	360	6	5,196	5,582	-386
1239+00	123900.00	100.00	182.86	1.90	540	9	5,736	5,594	142
1240+00	124000.00	100.00	196.45	3.96	702	11	6,438	5,608	830
1241+00	124100.00	100.00	240.91	2.41	810	12	7,248	5,624	1,624
1242+00	124200.00	100.00	221.13	0.05	856	5	8,104	5,630	2,474
1243+00	124300.00	100.00	229.09	1.92	834	4	8,938	5,636	3,303
1244+00	124400.00	100.00	150.28	2.76	703	9	9,641	5,647	3,994
1245+00	124500.00	100.00	51.08	9.00	373	22	10,014	5,676	4,338
1246+00	124600.00	100.00	45.10	65.49	178	138	10,192	5,855	4,337
1247+00	124700.00	100.00	36.45	246.71	151	578	10,343	6,607	3,736
1247+37.82	124737.82	37.82	35.45	393.00	50	448	10,393	7,189	3,204
1248+00	124800.00	62.18	28.72	474.66	74	999	10,467	8,488	1,979
1249+00	124900.00	100.00	39.95	300.93	127	1,436	10,594	10,355	240
1249+21.896	124921.90	21.90	50.88	277.83	37	235	10,631	10,660	-29
1250+00	125000.00	78.10	34.86	22.53	124	434	10,755	11,224	-469
1251+00	125100.00	100.00	154.86	5.78	351	52	11,106	11,292	-186
1252+00	125200.00	100.00	261.83	3.17	772	17	11,878	11,314	564
1253+00	125300.00	100.00	161.63	9.26	784	23	12,662	11,344	1,318
1254+00	125400.00	100.00	90.17	12.82	466	41	13,128	11,397	1,731
1255+00	125500.00	100.00	31.38	233.83	225	457	13,353	11,991	1,362
1256+00	125600.00	100.00	35.59	570.01	124	1,489	13,477	13,927	-450
1256+74.994	125674.99	74.99	48.78	0.00	117	792	13,594	14,957	1,363
1257+00	125700.00	25.01	44.48	3.15	43	1	13,637	14,958	-1,321
1258+00	125800.00	100.00	39.42	78.80	155	152	13,792	15,155	-1,363
1259+00	125900.00	100.00	39.29	31.85	146	205	13,938	15,422	-1,484
1260+00	126000.00	100.00	78.73	12.79	219	83	14,157	15,530	-1,373
1261+00	126100.00	100.00	171.77	2.74	464	29	14,621	15,568	-947
1262+00	126200.00	100.00	178.50	1.89	649	9	15,270	15,579	-309
1263+00	126300.00	100.00	212.37	2.63	724	8	15,994	15,590	404
1264+00	126400.00	100.00	186.00	4.88	738	14	16,732	15,608	1,124
1265+00	126500.00	100.00	168.30	2.72	656	14	17,388	15,626	1,762
1266+00	126600.00	100.00	118.75	0.05	532	5	17,920	15,633	2,288
1267+00	126700.00	100.00	109.27	0.00	422	0	18,342	15,633	2,710
1268+00	126800.00	100.00	62.68	0.00	318	0	18,660	15,633	3,028
1269+00	126900.00	100.00	37.52	0.00	186	0	18,846	15,633	3,214
1270+00	127000.00	100.00	27.56	0.00	121	0	18,967	15,633	3,335

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 6 - HUDSON HOLLOW RD

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
275+15	27515.00	0.00	15.15	0.00	0	0	0	0	0
275+20	27520.00	5.00	39.89	0.00	5	0	5	0	5
275+25	27525.00	5.00	63.01	0.00	10	0	15	0	15
275+30	27530.00	5.00	84.66	0.00	14	0	29	0	29
275+35	27535.00	5.00	102.12	0.00	17	0	46	0	46
275+40	27540.00	5.00	113.58	0.00	20	0	66	0	66
275+45	27545.00	5.00	121.41	0.00	22	0	88	0	88
275+50	27550.00	5.00	135.28	5.34	24	0	112	0	112
275+55	27555.00	5.00	121.31	18.48	24	2	136	3	133
275+60	27560.00	5.00	119.77	18.70	22	3	158	7	152
275+65	27565.00	5.00	118.49	19.50	22	4	180	12	168
275+70	27570.00	5.00	112.20	20.34	21	4	201	17	184
275+75	27575.00	5.00	107.00	21.84	20	4	221	22	199
275+80	27580.00	5.00	108.02	9.81	20	3	241	26	215
275+85	27585.00	5.00	107.43	4.67	20	1	261	27	234
275+90	27590.00	5.00	106.50	0.47	20	0	281	27	254
276+00	27600.00	10.00	98.09	1.09	38	0	319	27	292
276+25	27625.00	25.00	92.91	4.08	88	2	407	30	377
276+50	27650.00	25.00	95.59	2.63	87	3	494	34	460
276+75	27675.00	25.00	99.51	2.20	90	2	584	36	548
276+95	27695.00	20.00	70.94	0.34	63	1	647	38	609

DIVISION 7 - USH 61 (STA 1328+97 - STA 1335+08)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
1328+97.733	133057.76	0.00	17.27	0.04	0	0	0	0	0
1330+00	133160.03	102.27	24.62	2.97	79	6	79	8	71
1331+00	133260.03	100.00	27.57	3.35	97	12	176	23	153
1332+00	133360.03	100.00	27.61	31.15	102	64	278	107	171
1333+00	133460.03	100.00	25.77	38.32	99	129	377	274	103
1333+91.004	133551.03	91.00	26.13	29.09	87	114	464	423	42
1334+00	133560.03	9.00	26.66	19.24	9	8	473	433	40
1335+00	133660.03	100.00	21.81	3.23	90	42	563	488	76
1335+08.291	133668.32	8.29	21.97	0.00	7	0	570	488	83

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 8 - USH 61 (STA 1341+50 - STA 1382+55)

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.30	EXPANDED ROCK 1.10	MASS ORDINATE
1341+49.997	134310.03	0.00	26.94	0.00	0.00	0	0	0	0	0	0	0
1342+00	134360.03	50.00	25.55	0.00	0.00	49	0	0	49	0	0	49
1343+00	134460.03	100.00	27.47	0.61	0.00	98	1	0	147	1	0	146
1343+75.989	134536.02	75.99	50.82	0.00	0.00	110	1	0	257	3	0	254
1344+00	134560.03	24.01	30.60	4.21	0.00	36	2	0	293	5	0	288
1345+00	134660.03	100.00	34.81	4.00	0.00	121	15	0	414	25	0	389
1346+00	134760.03	100.00	35.82	2.40	0.00	131	12	0	545	40	0	505
1346+44.75	134804.78	44.75	51.01	0.00	0.00	72	2	0	617	43	0	574
1347+00	134860.03	55.25	34.70	12.07	0.00	88	12	0	705	59	0	647
1348+00	134960.03	100.00	35.07	12.11	0.00	129	45	0	834	117	0	717
1349+00	135060.03	100.00	111.80	7.64	0.00	272	37	0	1,106	165	0	941
1350+00	135160.03	100.00	133.41	11.41	0.00	454	35	0	1,560	211	0	1,349
1351+00	135260.03	100.00	59.57	16.00	32.69	357	51	61	1,917	190	67	1,727
1352+00	135360.03	100.00	128.28	7.64	78.84	348	44	207	2,265	49	295	2,314
1353+00	135460.03	100.00	158.78	7.15	64.59	532	27	266	2,797	-394	587	3,191
1354+00	135560.03	100.00	91.66	9.05	111.02	464	30	325	3,261	-820	945	4,081
1355+00	135660.03	100.00	75.38	5.33	171.79	309	27	524	3,570	-1,534	1,521	5,104
1356+00	135760.03	100.00	59.86	0.84	132.82	250	11	564	3,820	2,327	2,142	6,147
1357+00	135860.03	100.00	104.24	3.00	80.72	304	7	395	4,124	-2,882	2,576	7,006
1358+00	135960.03	100.00	116.19	7.16	60.80	408	19	262	4,532	-3,232	2,864	7,764
1359+00	136060.03	100.00	103.11	4.76	56.57	406	22	217	4,938	-3,514	3,103	8,452
1360+00	136160.03	100.00	99.73	4.95	50.18	376	18	198	5,314	-3,774	3,321	9,088
1361+00	136260.03	100.00	136.54	4.33	47.85	438	17	182	5,752	-4,012	3,521	9,764
1362+00	136360.03	100.00	133.86	3.88	43.92	501	15	170	6,253	-4,236	3,708	10,489
1363+00	136460.03	100.00	126.64	6.07	37.61	482	18	151	6,735	-4,428	3,874	11,163
1364+00	136560.03	100.00	138.24	17.40	35.16	491	43	135	7,226	-4,565	4,023	11,791
1365+00	136660.03	100.00	174.45	2.09	31.60	579	36	124	7,805	-4,696	4,159	12,501
1366+00	136760.03	100.00	125.19	7.38	7.87	555	18	73	8,360	-4,777	4,239	13,137
1367+00	136860.03	100.00	52.27	27.18	0.00	329	64	15	8,689	-4,715	4,256	13,404
1367+05	136865.03	5.00	51.92	56.93	0.00	10	8	0	8,699	-4,705	4,256	13,404
1367+10	136870.03	5.00	53.98	68.12	0.00	10	12	0	8,709	-4,689	4,256	13,398
1367+15	136875.03	5.00	55.65	74.14	0.00	10	13	0	8,719	-4,672	4,256	13,391
1367+20	136880.03	5.00	57.68	83.96	0.00	10	15	0	8,729	-4,653	4,256	13,382
1367+25	136885.03	5.00	60.44	85.31	0.00	11	16	0	8,740	-4,632	4,256	13,372
1367+30	136890.03	5.00	68.16	40.06	0.00	12	12	0	8,752	-4,616	4,256	13,368
1367+35	136895.03	5.00	77.21	0.00	0.00	13	4	0	8,765	-4,611	4,256	13,376
1367+40	136900.03	5.00	59.72	0.00	0.00	13	0	0	8,778	-4,611	4,256	13,389
1367+45	136905.03	5.00	37.69	0.00	0.00	9	0	0	8,787	-4,611	4,256	13,398
1367+50	136910.03	5.00	15.51	0.00	0.00	5	0	0	8,792	-4,611	4,256	13,403
1367+55	136915.03	5.00	0.00	0.00	0.00	1	0	0	8,793	-4,611	4,256	13,404
1367+60	136920.03	5.00	0.00	0.00	0.00	0	0	0	8,793	-4,611	4,256	13,404
1367+65	136925.03	5.00	0.00	0.00	0.00	0	0	0	8,793	-4,611	4,256	13,404
1367+70	136930.03	5.00	1.05	0.00	0.00	0	0	0	8,793	-4,611	4,256	13,404
1367+75	136935.03	5.00	14.98	0.00	0.00	1	0	0	8,794	-4,611	4,256	13,405
1367+80	136940.03	5.00	28.65	0.00	0.00	4	0	0	8,798	-4,611	4,256	13,409
1367+85	136945.03	5.00	40.49	0.00	0.00	6	0	0	8,804	-4,611	4,256	13,415
1367+90	136950.03	5.00	50.71	0.00	0.00	8	0	0	8,812	-4,611	4,256	13,423
1367+95	136955.03	5.00	59.77	0.00	0.00	10	0	0	8,822	-4,611	4,256	13,433

CONTINUED ON NEXT PAGE

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 8 - USH 61 (STA 1341+50 - STA 1382+55) CONTINUED

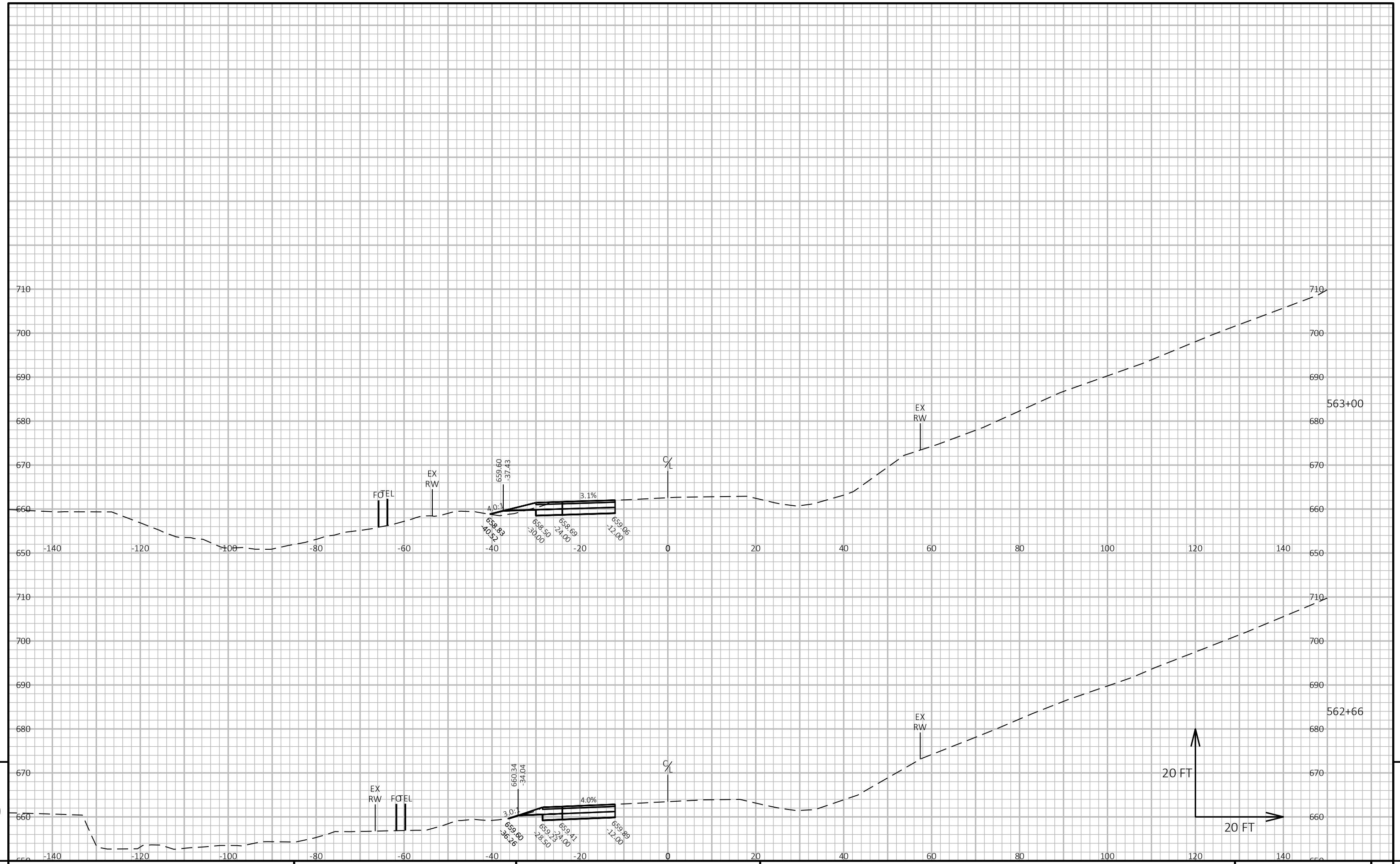
STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	FILL	ROCK EXC	CUT	FILL	ROCK EXC	CUT 1.00	EXPANDED FILL 1.30	EXPANDED ROCK 1.10	MASS ORDINATE
1368+00	136960.03	5.00	66.51	0.00	0.00	12	0	0	8,834	-4,611	4,256	13,445
1368+05	136965.03	5.00	60.75	11.89	0.00	12	1	0	8,846	-4,610	4,256	13,456
1368+10	136970.03	5.00	54.74	53.16	0.00	11	6	0	8,857	-4,602	4,256	13,459
1368+15	136975.03	5.00	49.86	86.48	0.00	10	13	0	8,867	-4,585	4,256	13,452
1368+20	136980.03	5.00	46.54	118.14	0.00	9	19	0	8,876	-4,560	4,256	13,436
1368+25	136985.03	5.00	44.99	150.52	0.00	8	25	0	8,884	-4,528	4,256	13,412
1368+30	136990.03	5.00	44.57	182.68	0.00	8	31	0	8,892	-4,487	4,256	13,379
1368+35	136995.03	5.00	44.91	214.71	0.00	8	37	0	8,900	-4,439	4,256	13,339
1368+40	137000.03	5.00	46.10	234.54	0.00	8	42	0	8,908	-4,385	4,256	13,293
1369+00	137060.03	60.00	40.04	574.56	0.00	96	899	0	9,004	-3,216	4,256	12,220
1369+71.243	137131.27	71.24	36.34	1036.54	0.00	101	2,126	0	9,105	-452	4,256	9,557
1370+00	137160.03	28.76	36.69	646.04	0.00	39	896	0	9,144	713	4,256	8,431
1371+00	137260.03	100.00	40.19	451.16	0.00	142	2,032	0	9,286	3,354	4,256	5,932
1372+00	137360.03	100.00	44.85	421.52	0.00	157	1,616	0	9,443	5,455	4,256	3,988
1373+00	137460.03	100.00	40.92	99.60	0.00	159	965	0	9,602	6,709	4,256	2,893
1374+00	137560.03	100.00	40.38	18.41	0.00	151	219	0	9,753	6,994	4,256	2,759
1374+30.736	137590.77	30.74	40.61	0.19	0.00	46	11	0	9,799	7,008	4,256	2,791
1375+00	137660.03	69.26	40.79	0.19	0.00	104	0	0	9,903	7,008	4,256	2,895
1376+00	137760.03	100.00	42.80	13.07	0.00	155	25	0	10,058	7,041	4,256	3,017
1377+00	137860.03	100.00	39.52	7.41	0.00	152	38	0	10,210	7,090	4,256	3,120
1378+00	137960.03	100.00	37.47	2.16	0.00	143	18	0	10,353	7,114	4,256	3,239
1379+00	138060.03	100.00	35.16	0.81	0.00	134	6	0	10,487	7,122	4,256	3,365
1380+00	138160.03	100.00	74.85	0.00	0.00	204	2	0	10,691	7,124	4,256	3,567
1381+00	138260.03	100.00	74.26	0.00	0.00	276	0	0	10,967	7,124	4,256	3,843
1382+00	138360.03	100.00	89.76	0.00	0.00	304	0	0	11,271	7,124	4,256	4,147
1382+55.806	138415.84	55.81	44.91	0.00	0.00	139	0	0	11,410	7,124	4,256	4,286

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.

DIVISION 8 - STAGE RD

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
326+00	32600.00	0.00	85.65	12.71	0	0	0	0	0
326+25	32625.00	25.00	105.72	32.43	89	21	89	27	62
326+50	32650.00	25.00	86.11	93.04	89	58	178	103	75
326+75	32675.00	25.00	92.24	8.92	83	47	261	164	97
327+00	32700.00	25.00	87.45	242.17	83	116	344	315	29
327+06	32706.00	6.00	85.83	285.59	19	59	363	391	-28
327+10	32710.00	4.00	81.37	304.74	12	44	375	449	-74
327+15	32715.00	5.00	81.22	290.18	15	55	390	520	-130
327+20	32720.00	5.00	82.19	241.86	15	49	405	584	-179
327+25	32725.00	5.00	82.03	201.05	15	41	420	637	-217
327+30	32730.00	5.00	79.30	196.71	15	37	435	685	-250
327+35	32735.00	5.00	81.60	176.78	15	35	450	731	-281
327+40	32740.00	5.00	85.66	163.25	15	31	465	771	-306
327+45	32745.00	5.00	93.56	125.44	17	27	482	806	-324
327+50	32750.00	5.00	105.16	63.41	18	17	500	828	-328
327+55	32755.00	5.00	116.91	21.85	21	8	521	839	-318
327+60	32760.00	5.00	126.68	0.00	23	2	544	841	-297
327+65	32765.00	5.00	124.90	0.00	23	0	567	841	-274
327+70	32770.00	5.00	115.22	0.00	22	0	589	841	-252
327+75	32775.00	5.00	97.51	0.00	20	0	609	841	-232
327+80	32780.00	5.00	77.84	0.00	16	0	625	841	-216
327+85	32785.00	5.00	57.81	0.00	13	0	638	841	-203
327+90	32790.00	5.00	0.00	0.00	5	0	643	841	-198
327+95	32795.00	5.00	0.00	0.00	0	0	643	841	-198
327+99.032	32799.03	4.03	0.00	0.00	0	0	643	841	-198

NOTE: THE MASS ORDINATE SHOWN ON THESE SHEETS DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL.



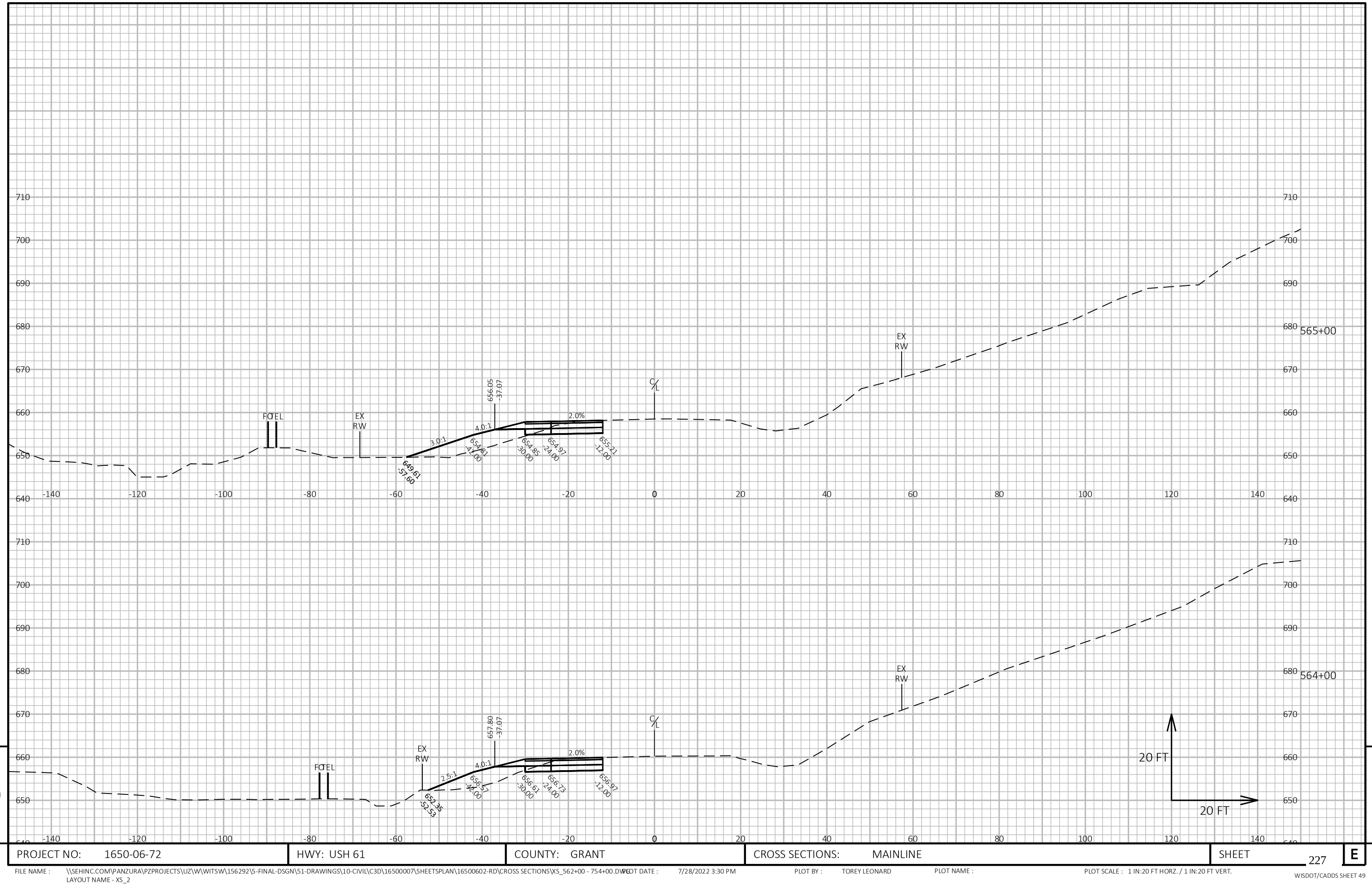
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 226	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_1
PLOT DATE : 7/28/2022 3:29 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

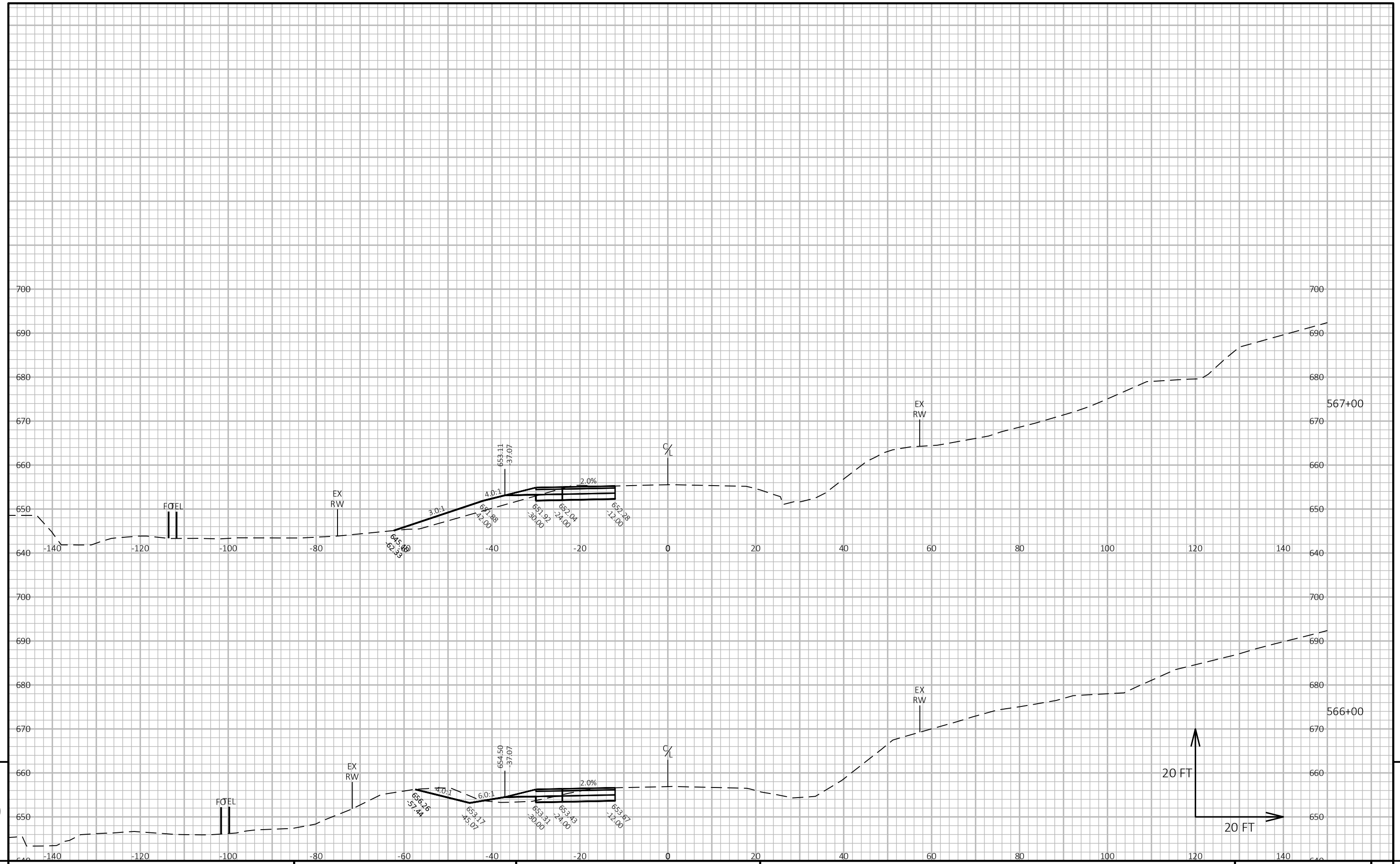
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 227	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2

PLOT DATE : 7/28/2022 3:30 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

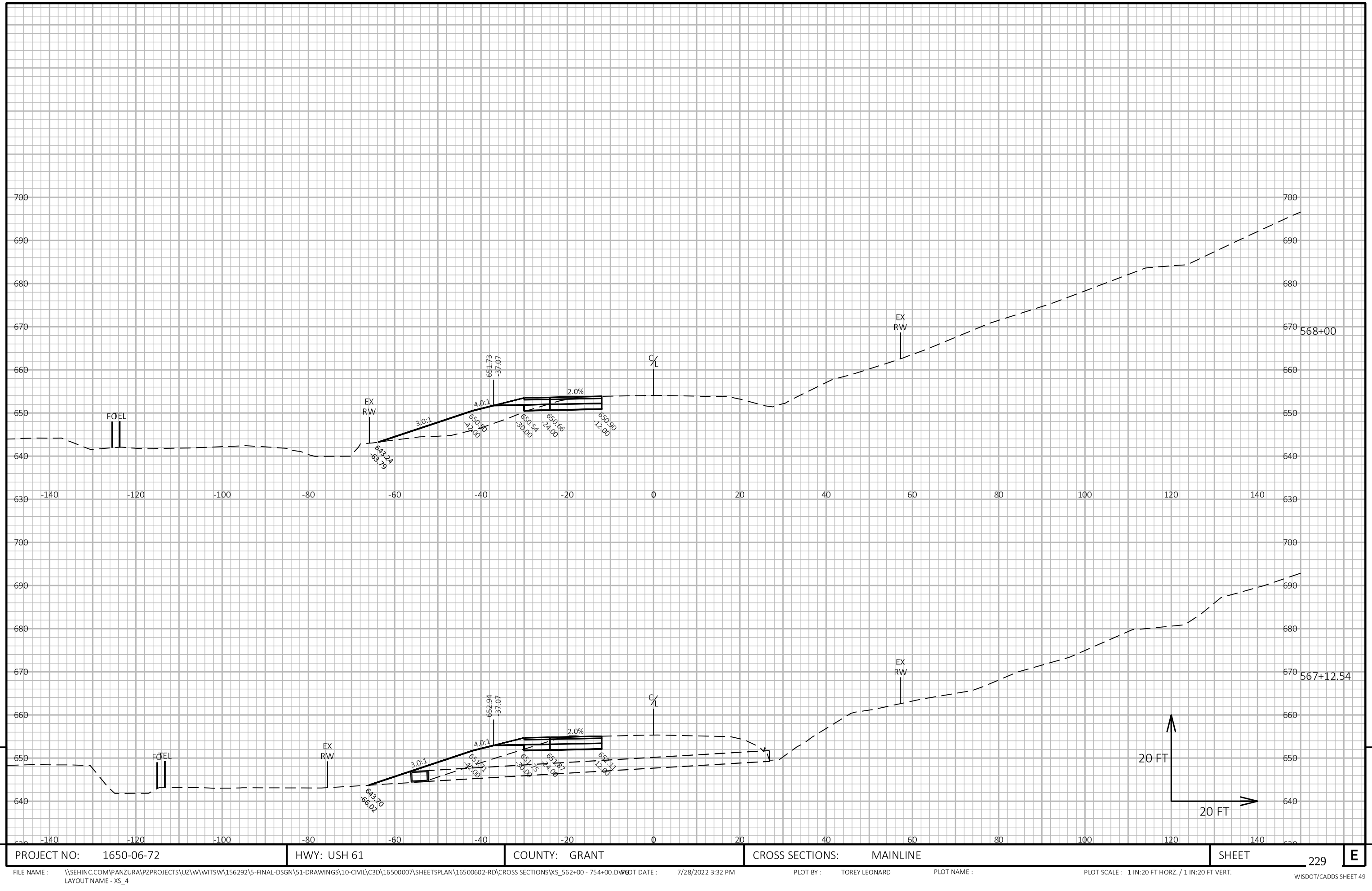


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 228	E

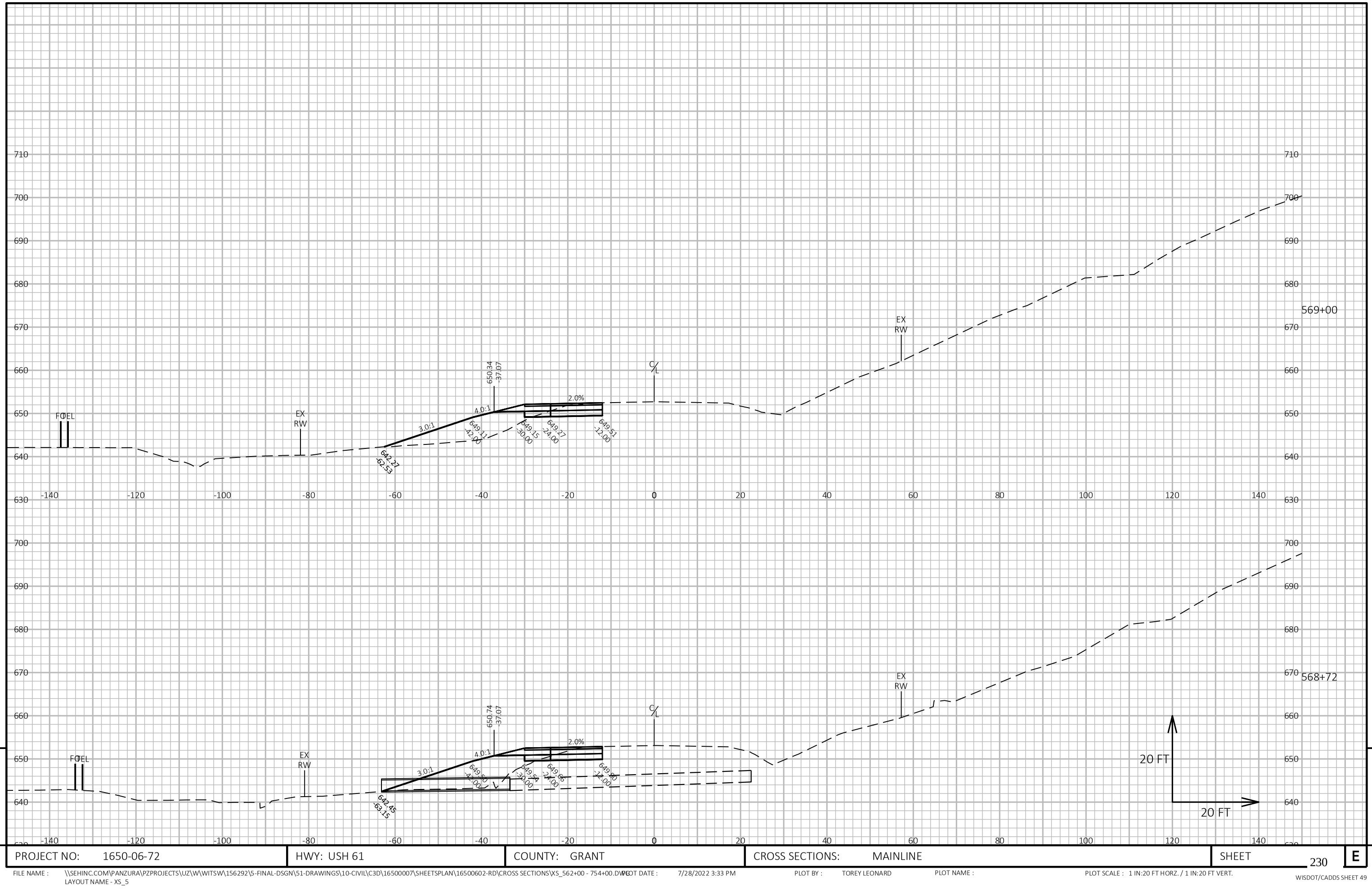
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_3
PLOT DATE : 7/28/2022 3:31 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 229 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_4

PLOT DATE : 7/28/2022 3:32 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

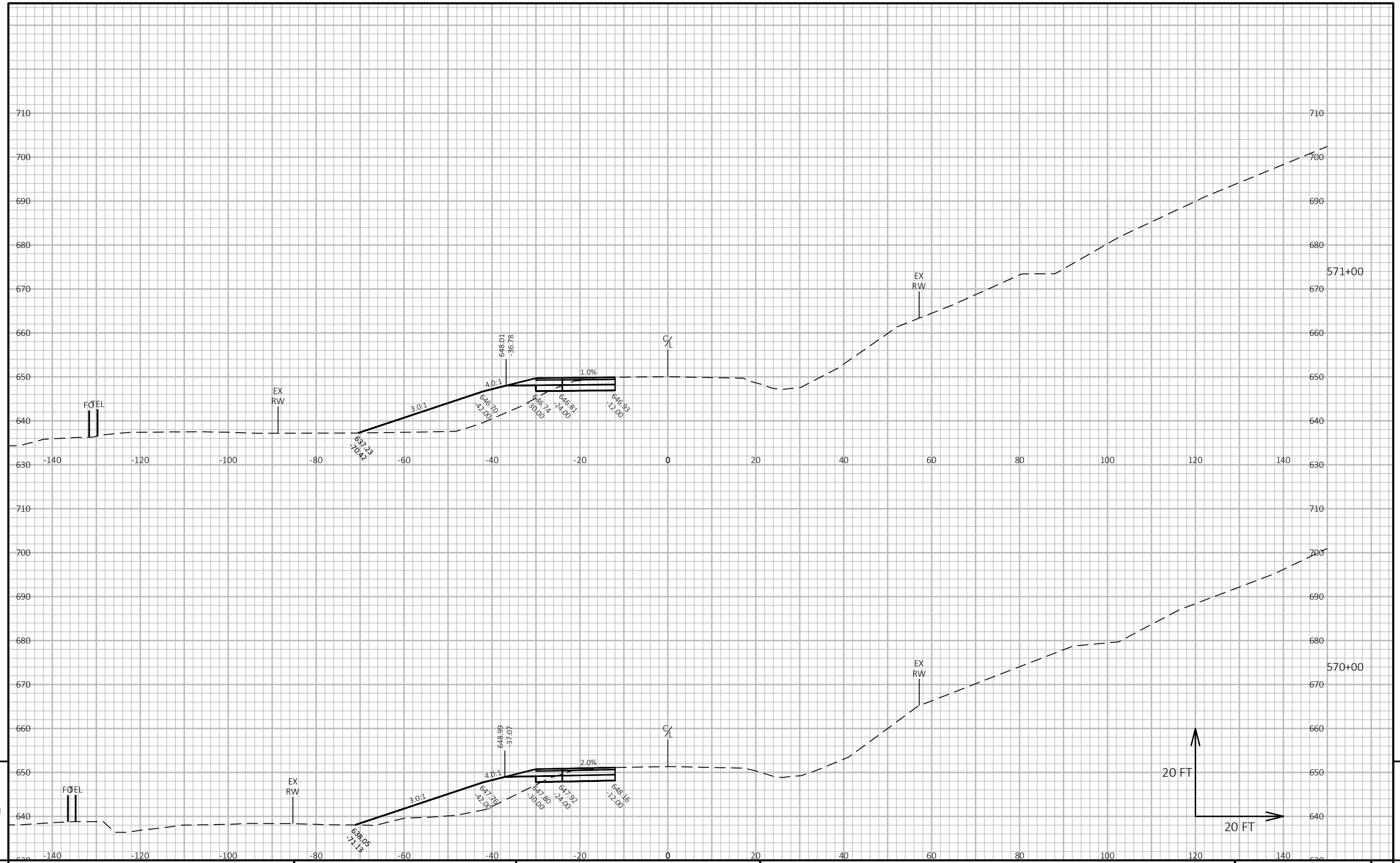
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 230	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_5

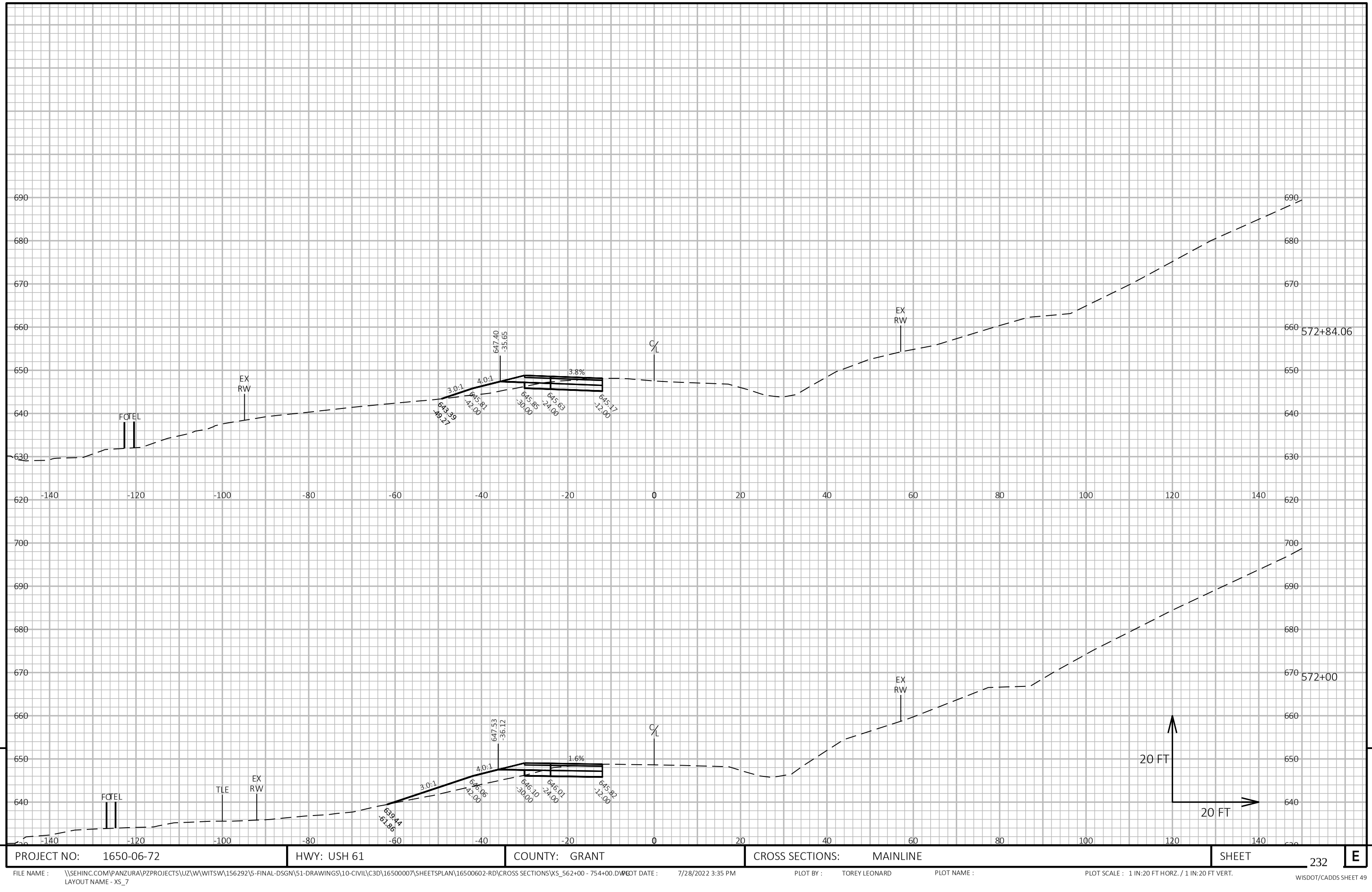
PLOT DATE : 7/28/2022 3:33 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 231	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_6
PLOT DATE : 7/28/2022 3:34 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



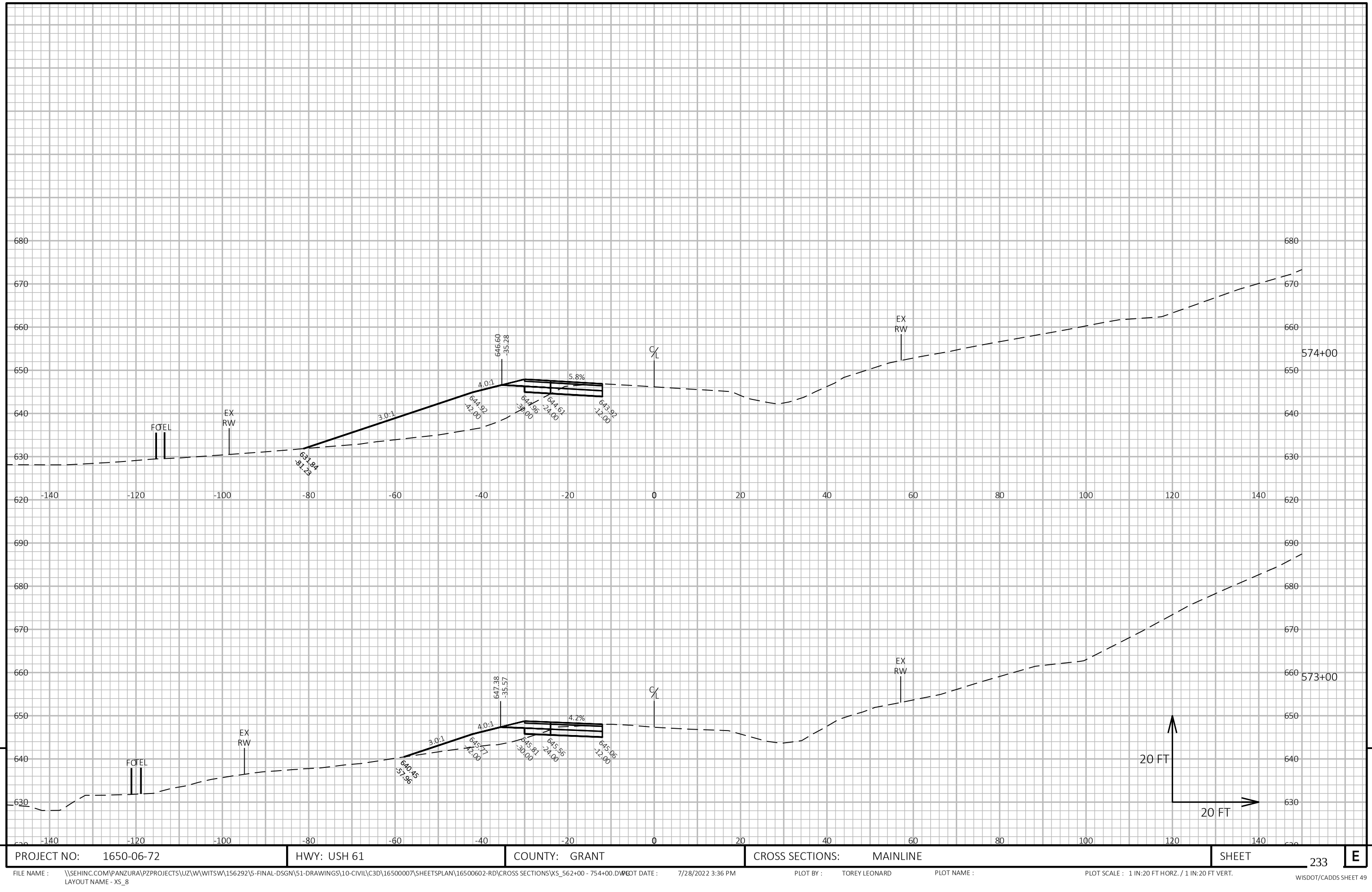
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 232	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_7

PLOT DATE : 7/28/2022 3:35 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



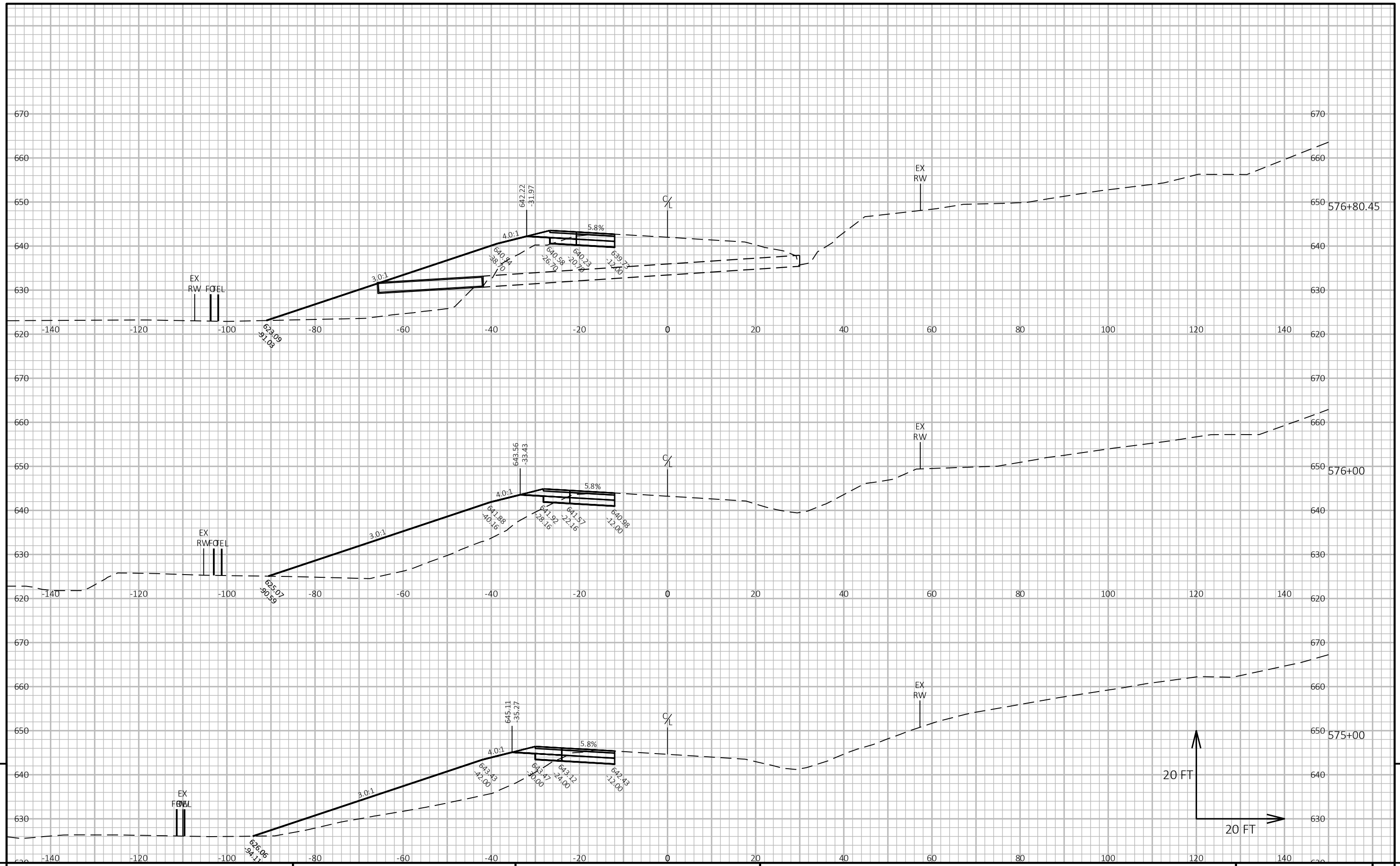
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 233	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_8

PLOT DATE : 7/28/2022 3:36 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

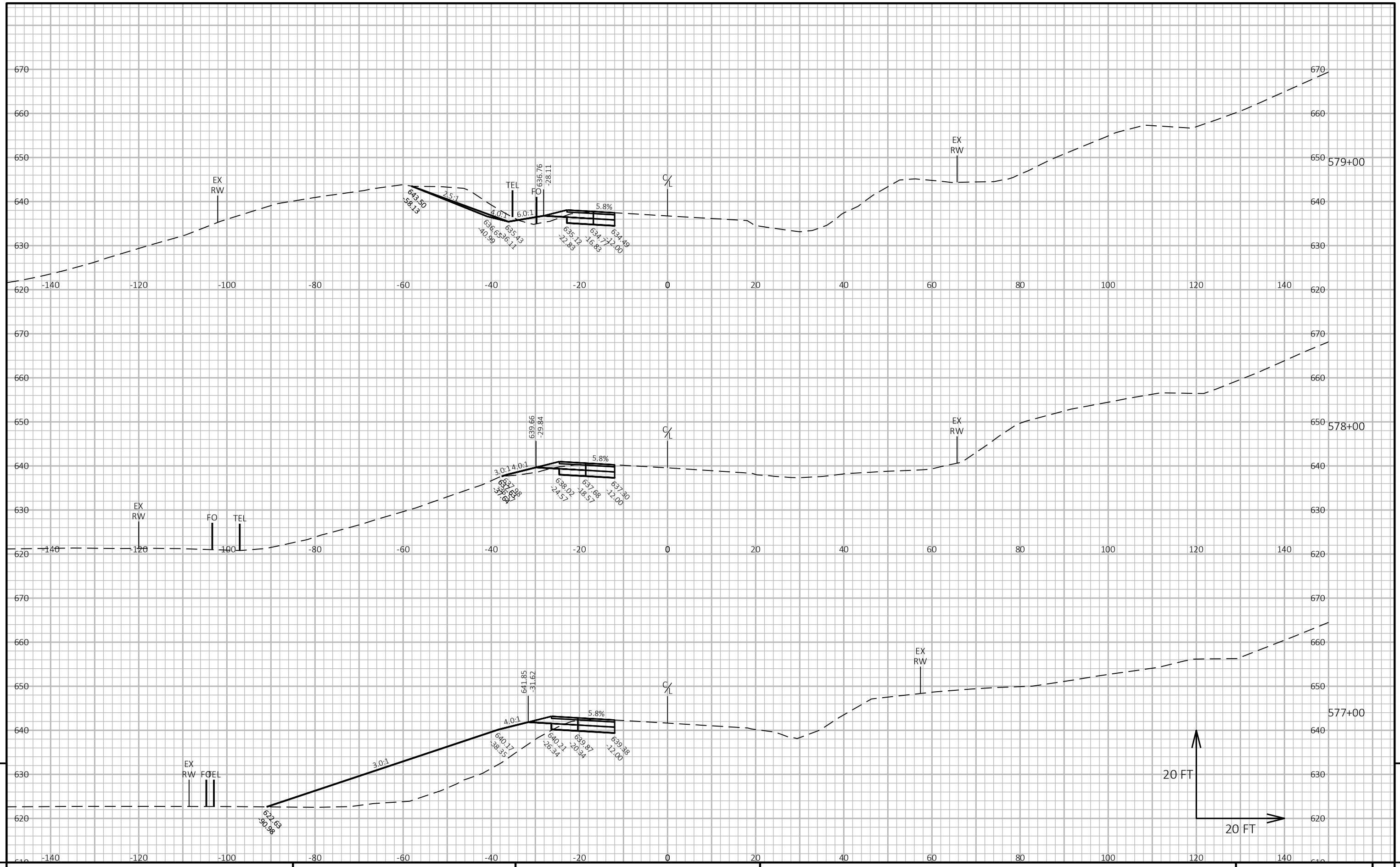
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 234	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_9

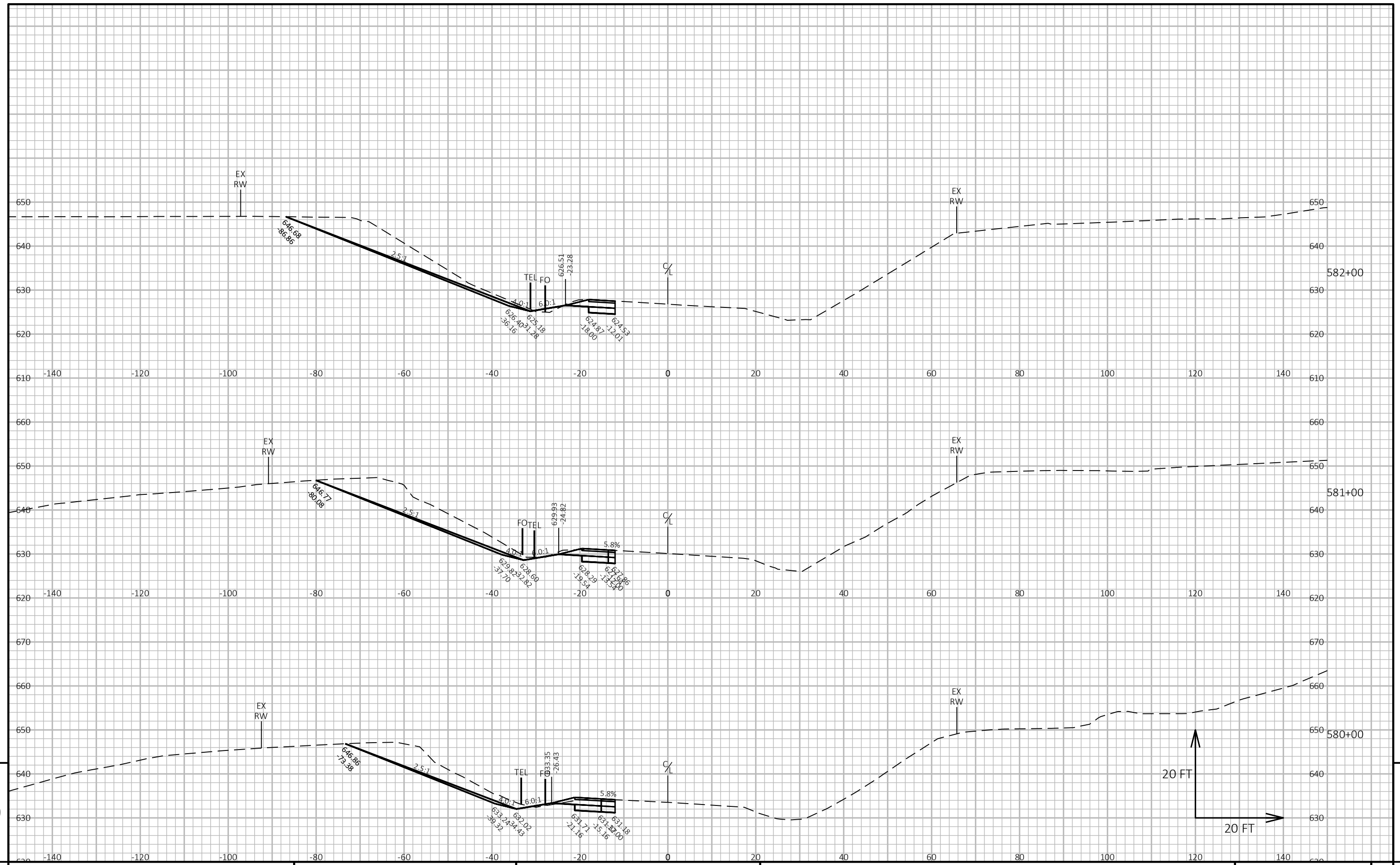
PLOT DATE : 7/28/2022 3:37 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 235	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_10
PLOT DATE : 7/28/2022 3:38 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

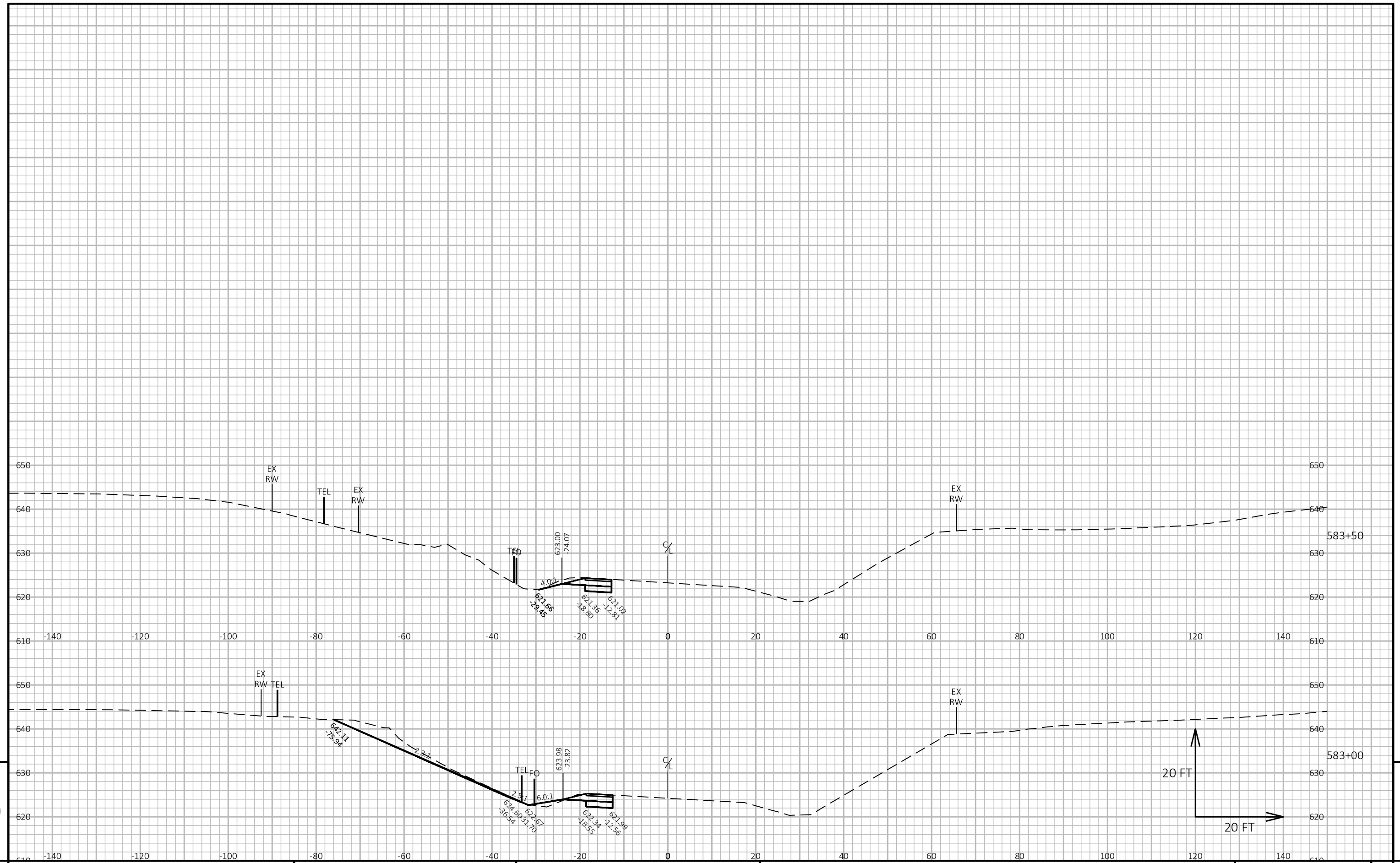


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 236	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_11

PLOT DATE : 7/28/2022 3:39 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

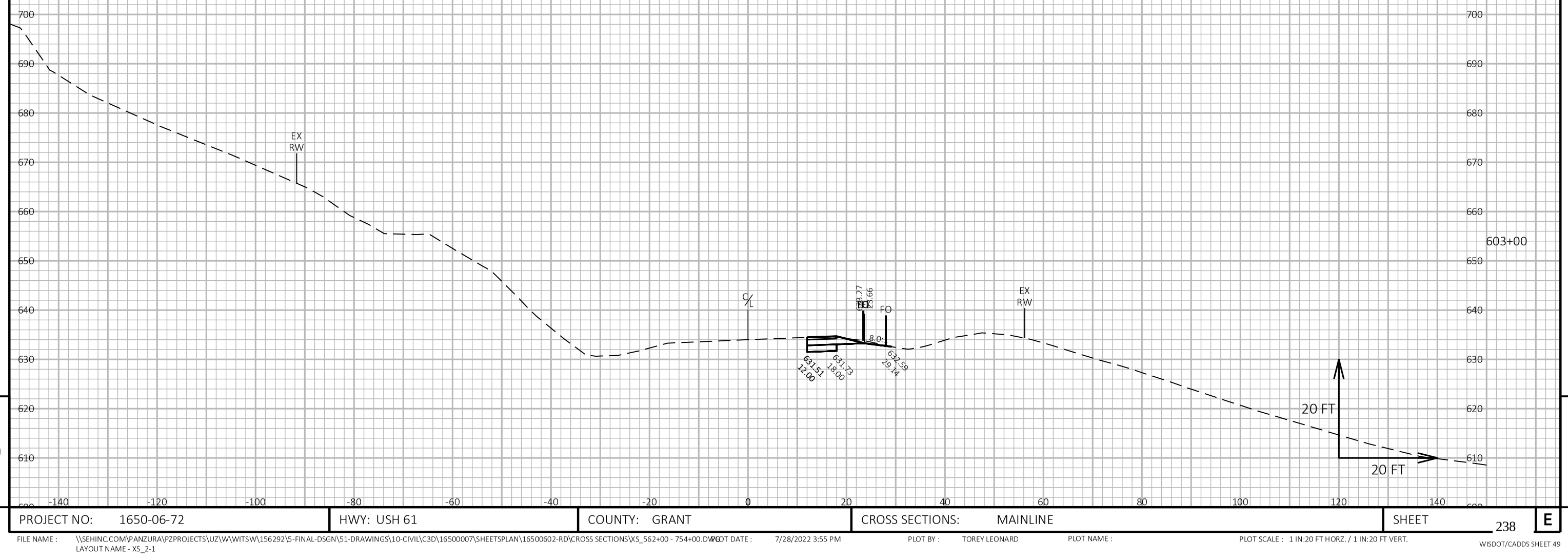
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 237	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_12

PLOT DATE : 7/28/2022 3:40 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

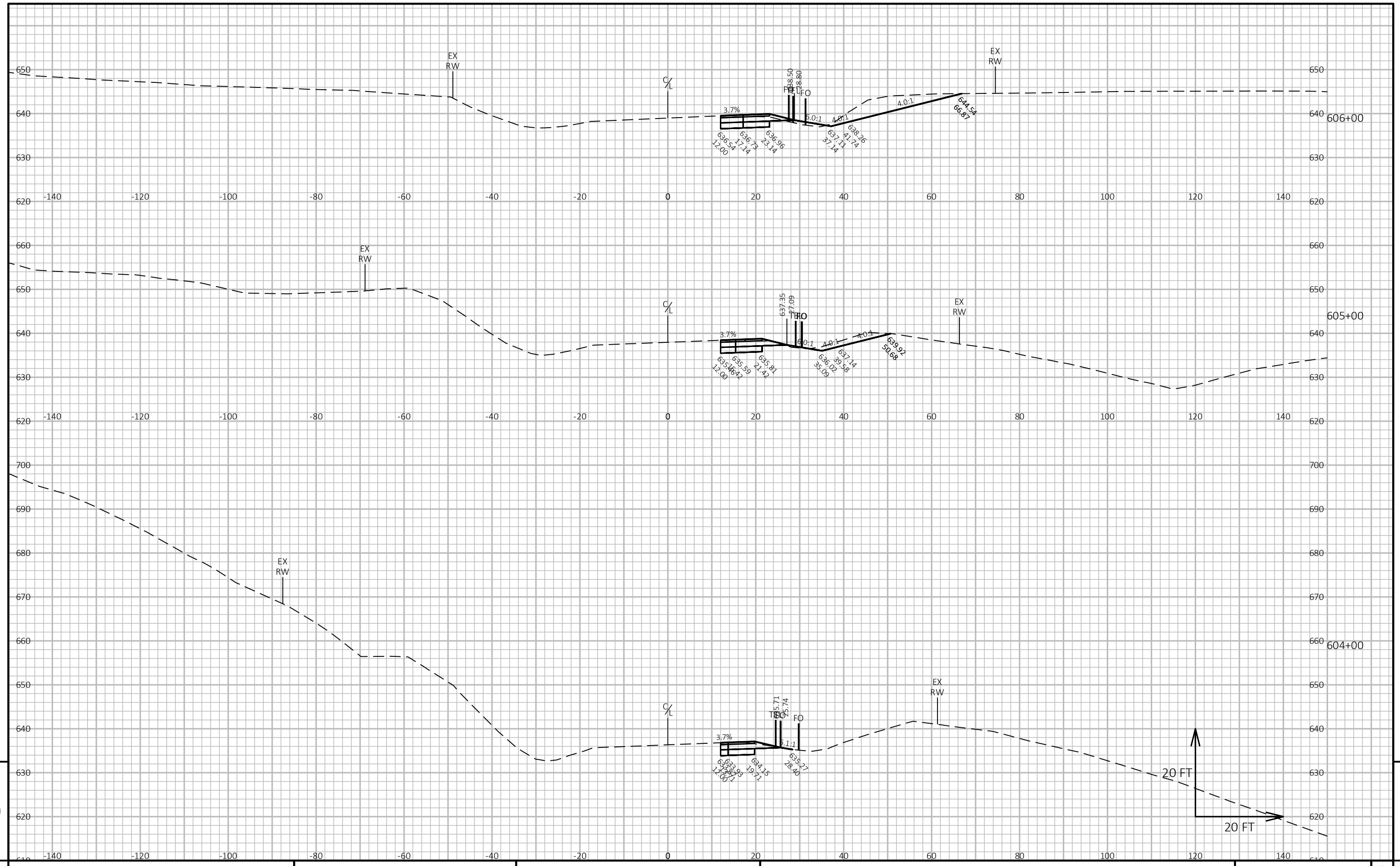
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 238	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG PLOT DATE : 7/28/2022 3:55 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_2-1

WISDOT/CADDS SHEET 49

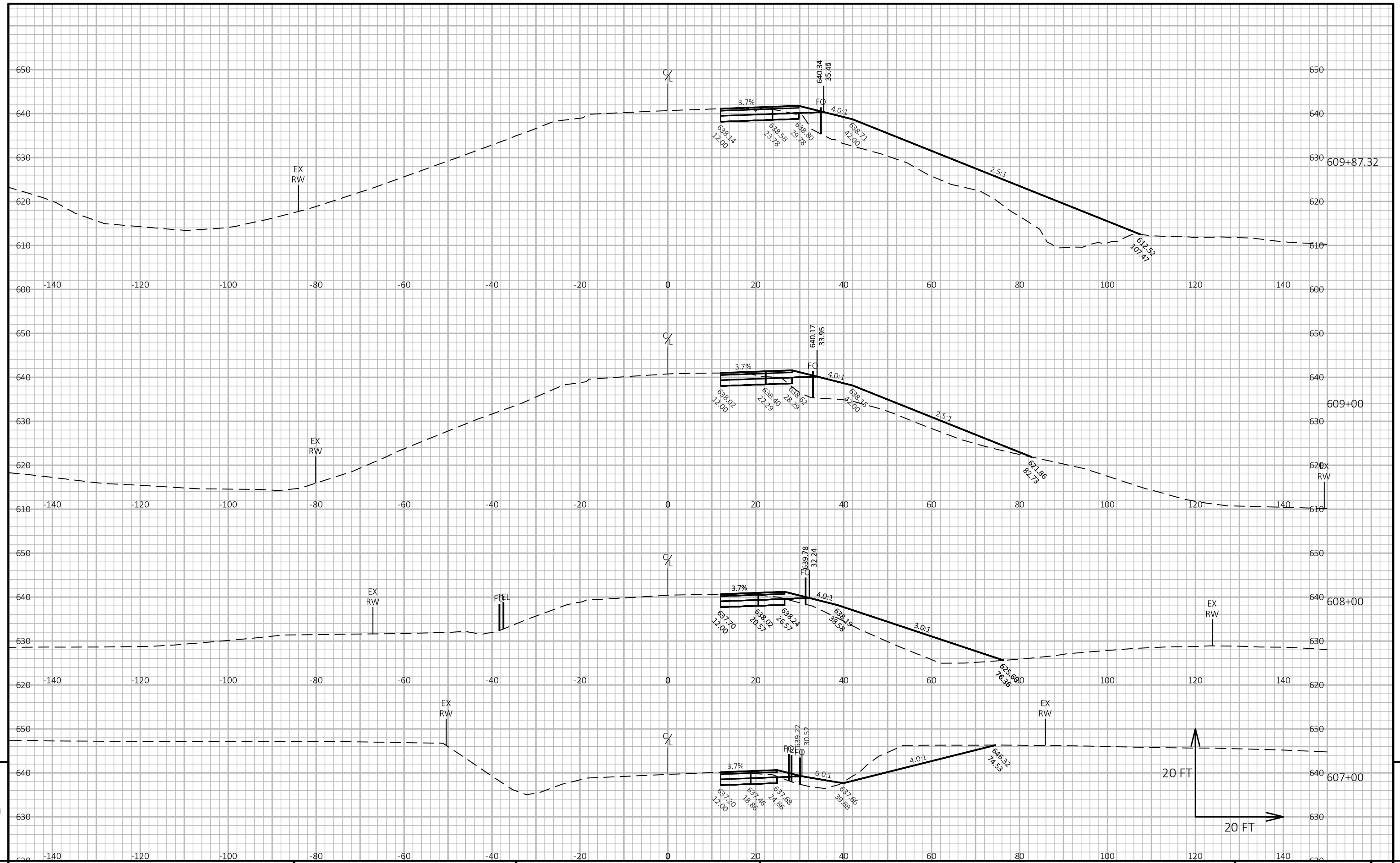


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 239	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-2
PLOT DATE : 7/28/2022 3:56 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

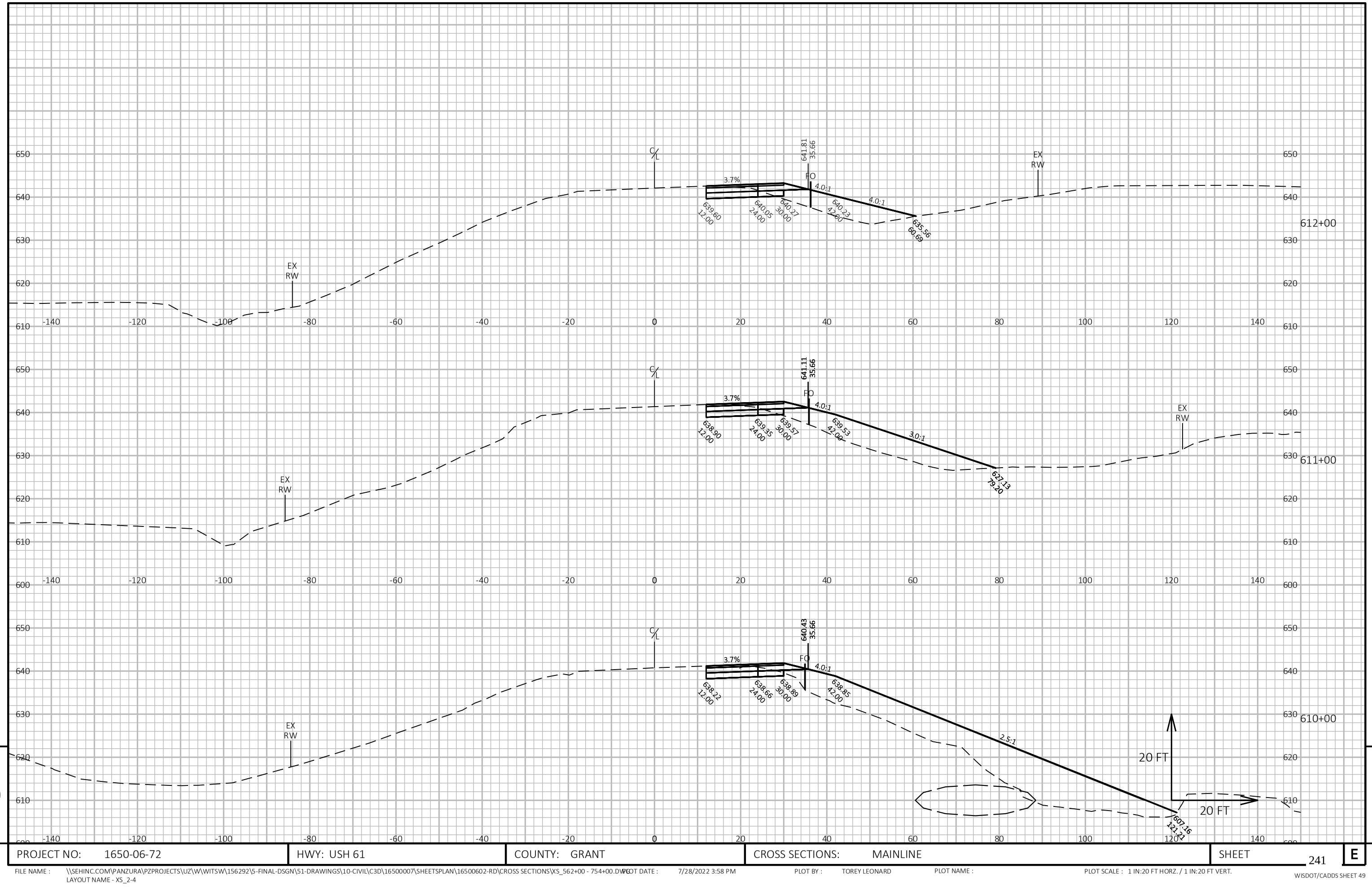
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 240	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-3

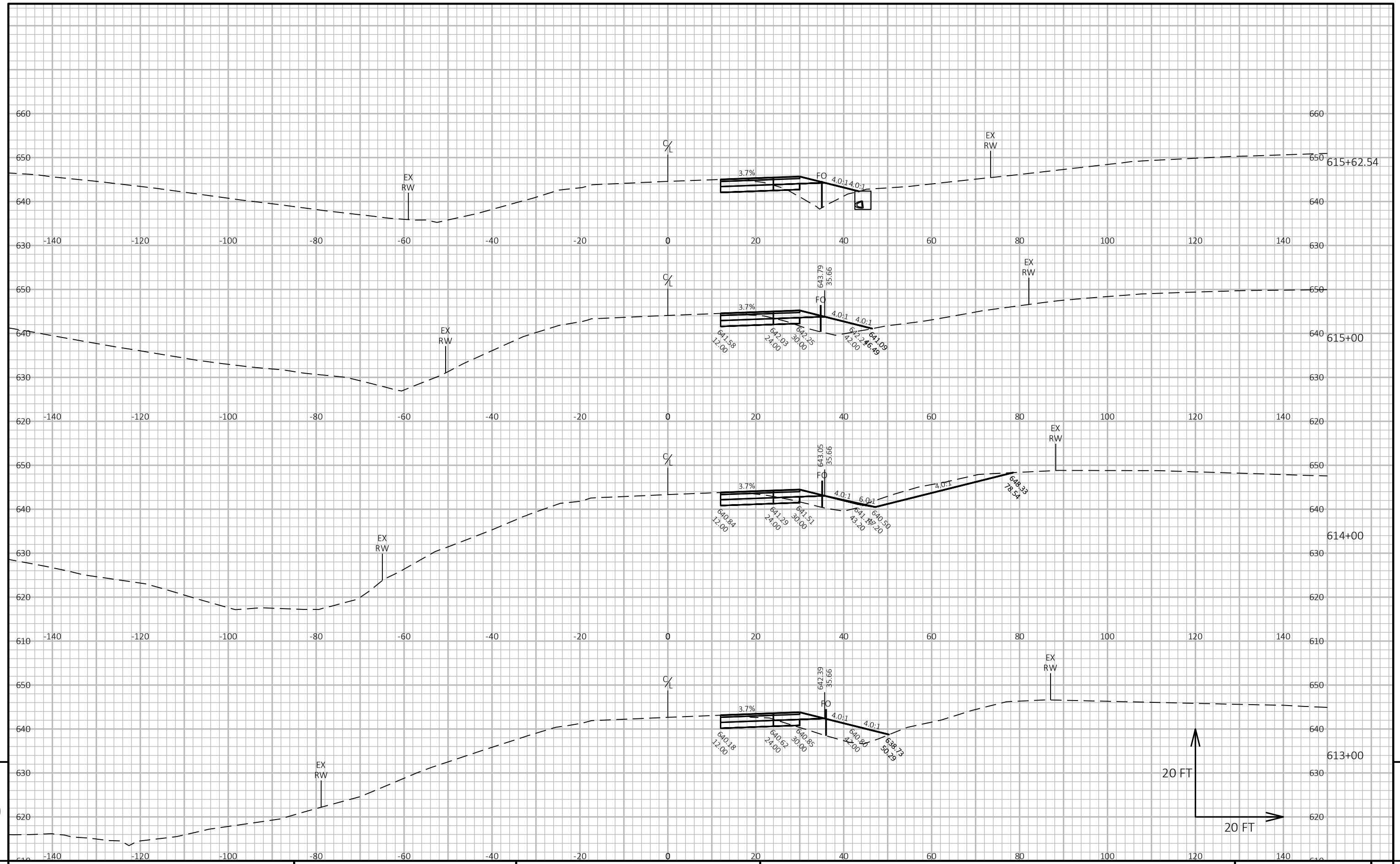
PLOT DATE : 7/28/2022 3:57 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 241	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-4
PLOT DATE : 7/28/2022 3:58 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



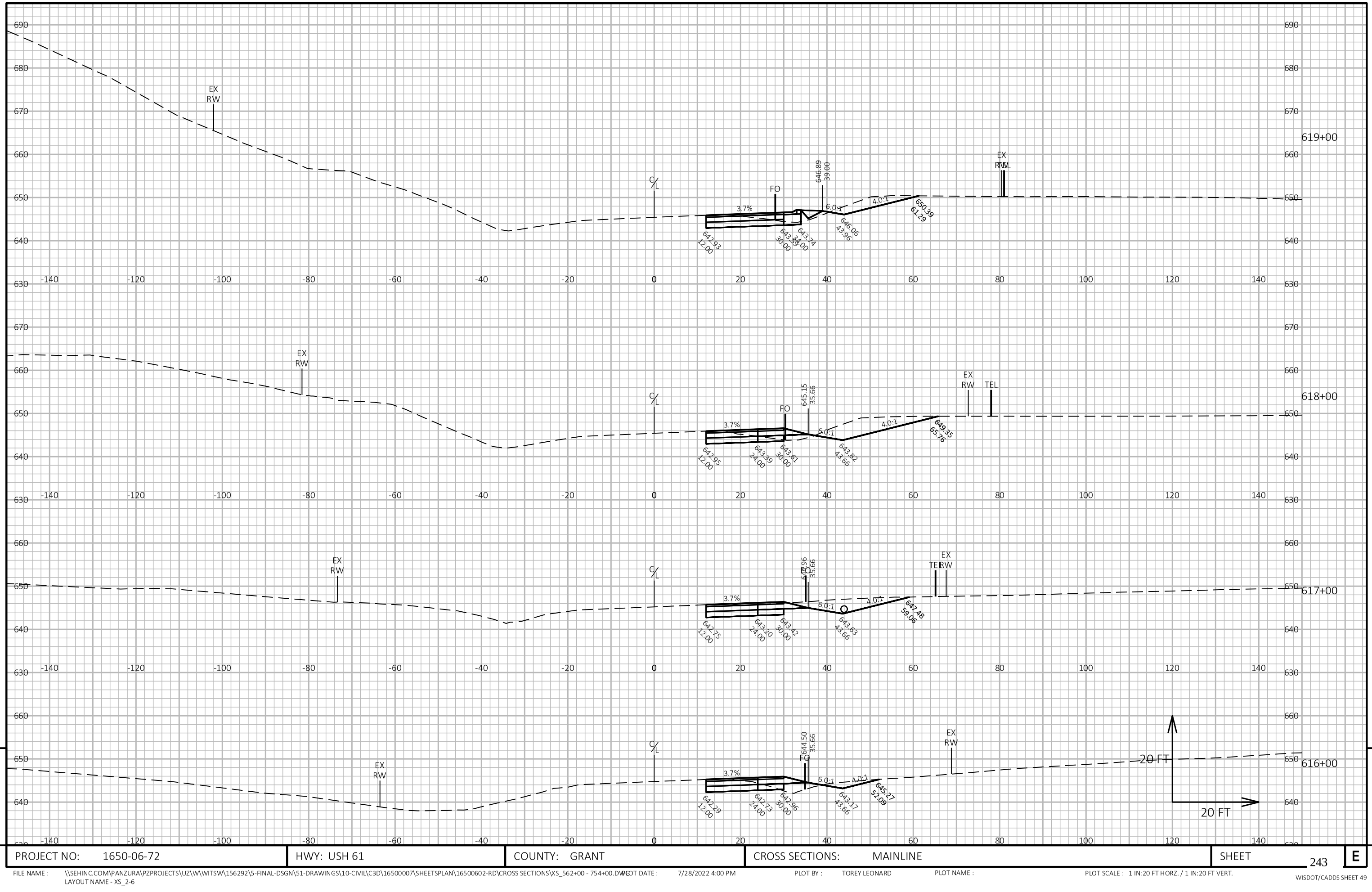
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 242	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-5
PLOT DATE : 7/28/2022 3:59 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



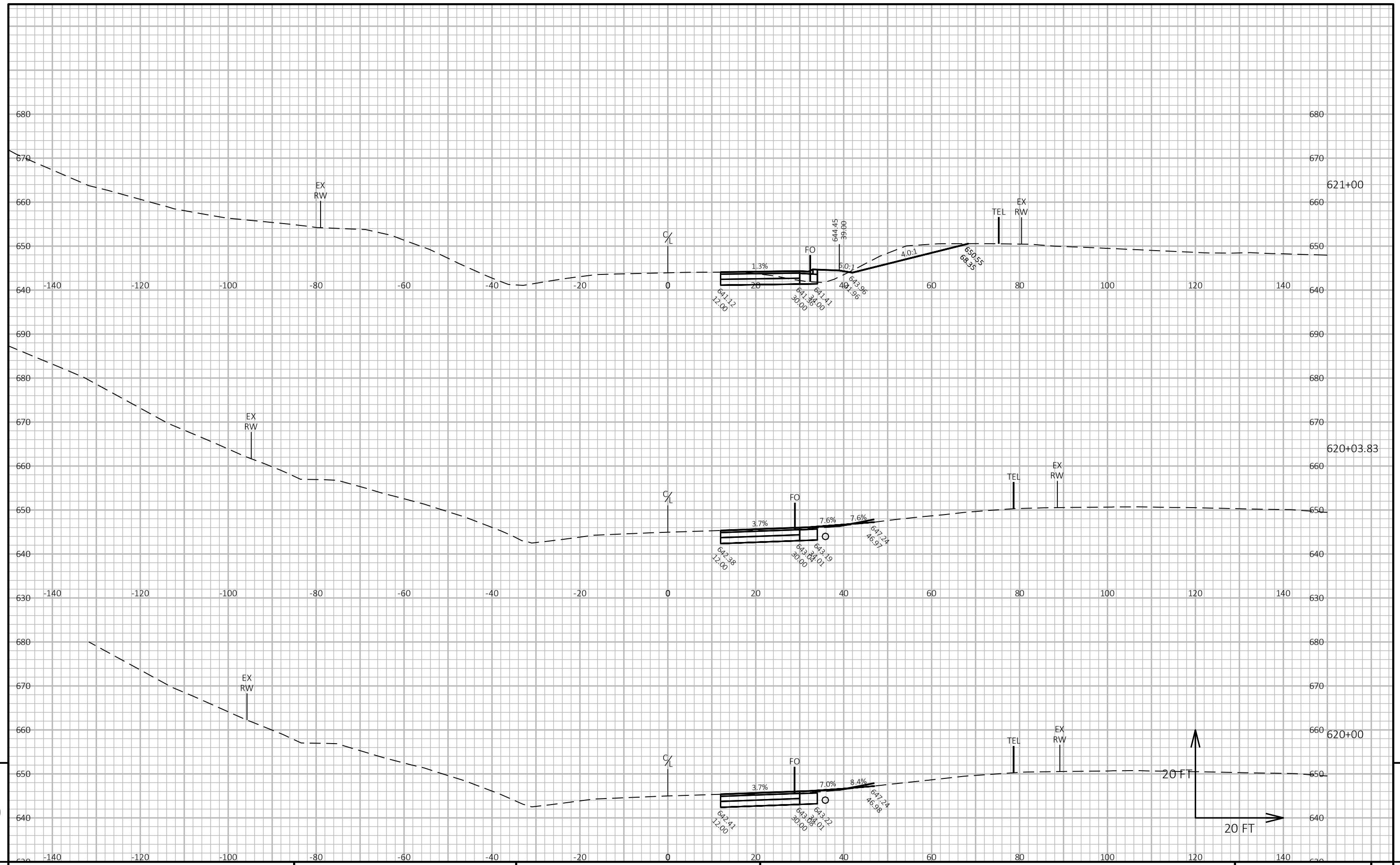
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 243	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-6

PLOT DATE : 7/28/2022 4:00 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



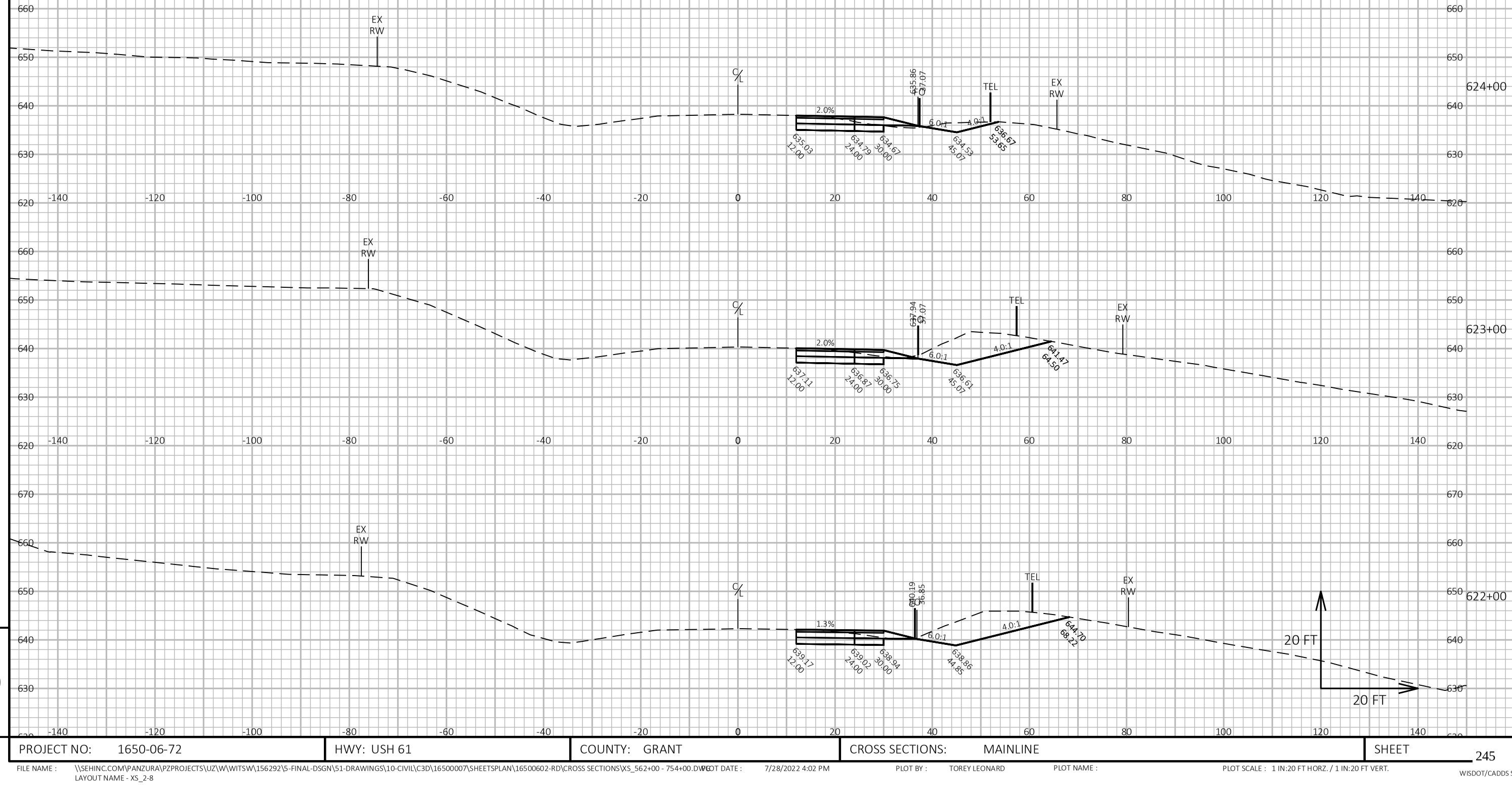
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 244	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-7
PLOT DATE : 7/28/2022 4:01 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

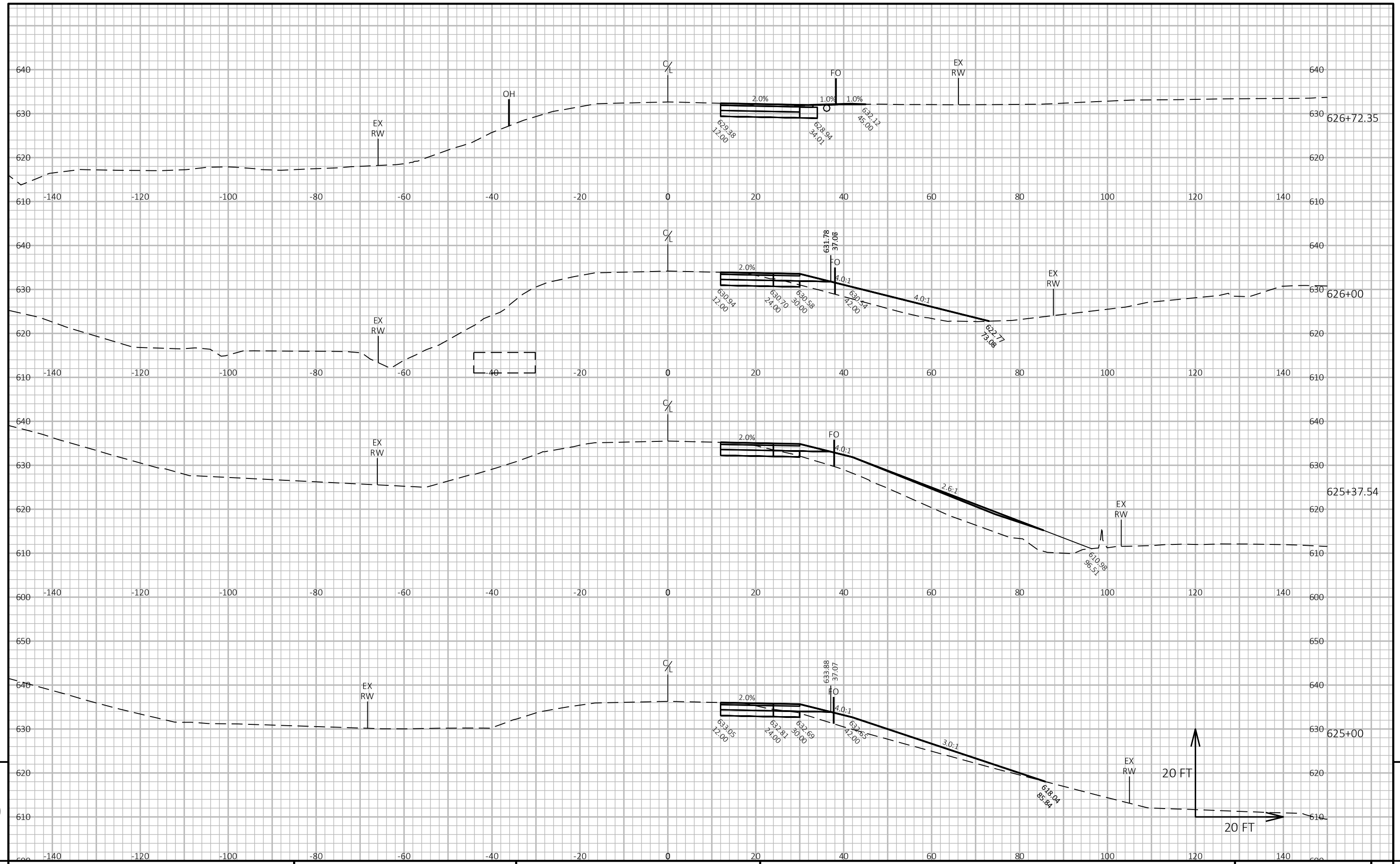
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 245	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-8

PLOT DATE : 7/28/2022 4:02 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

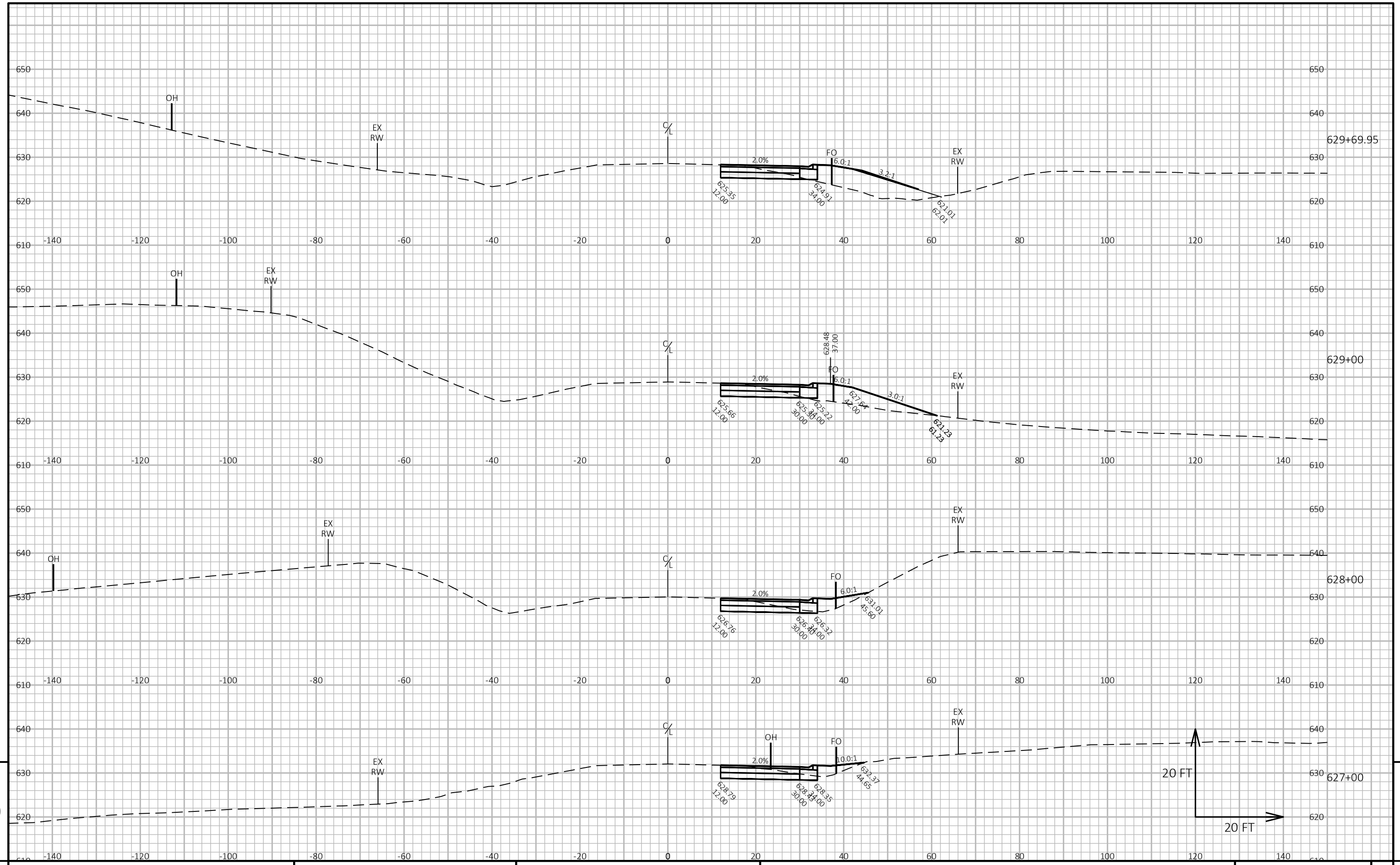


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 246	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-9
PLOT DATE : 7/28/2022 4:03 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

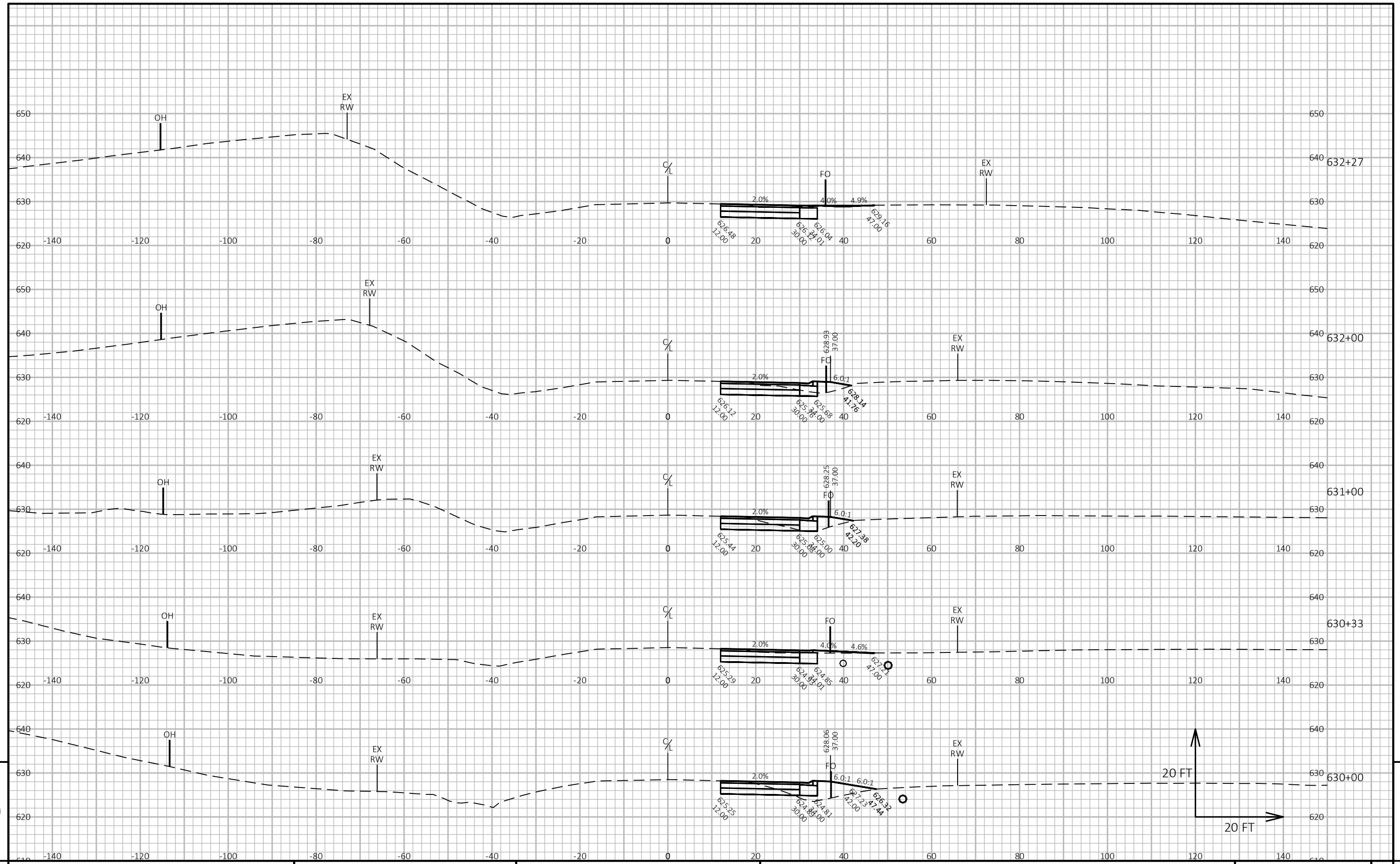


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 247	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-10
PLOT DATE : 7/28/2022 4:04 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 248	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-11

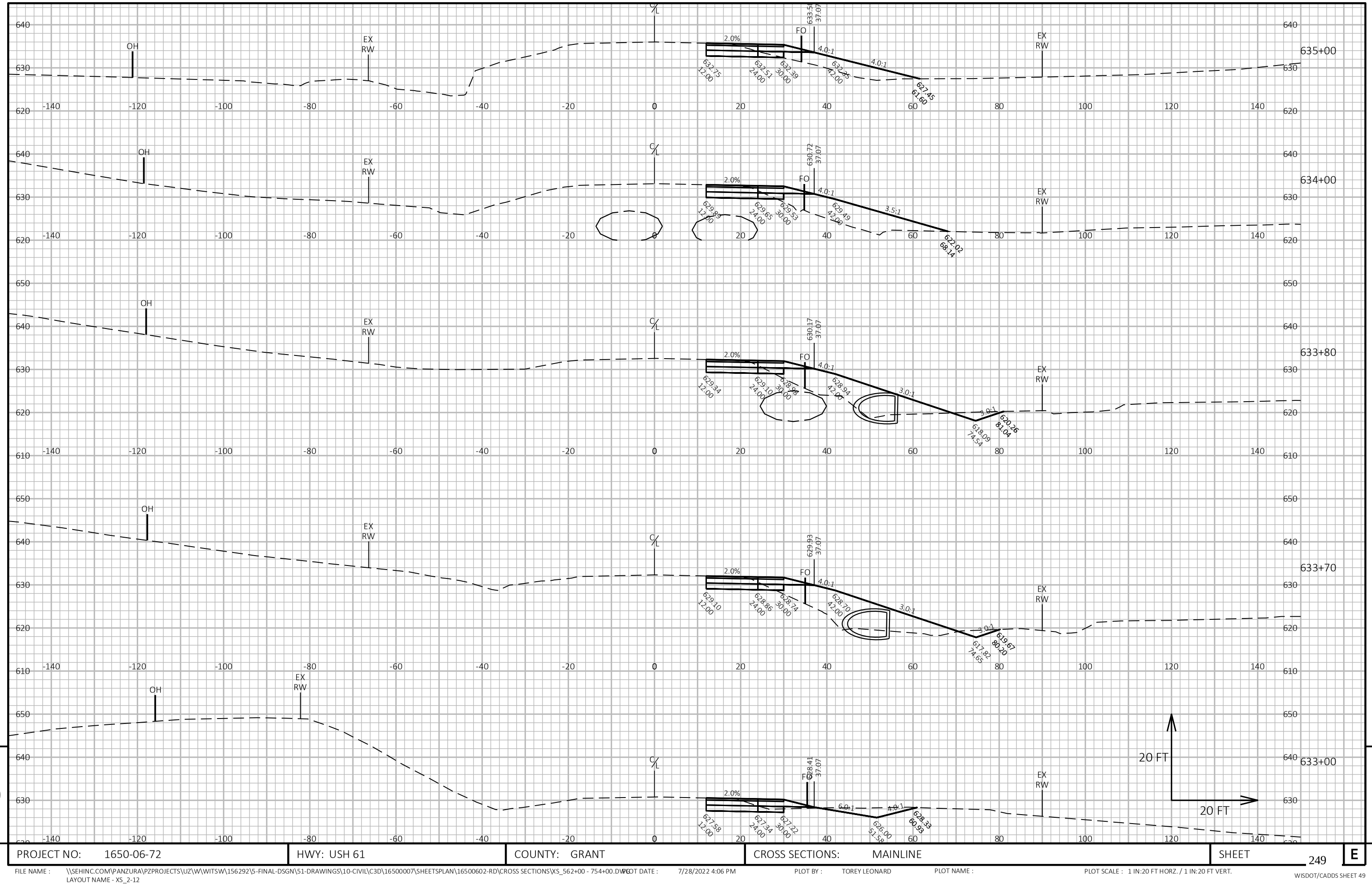
PLOT DATE : 7/28/2022 4:05 PM

PLOT BY : TOREY LEONARD

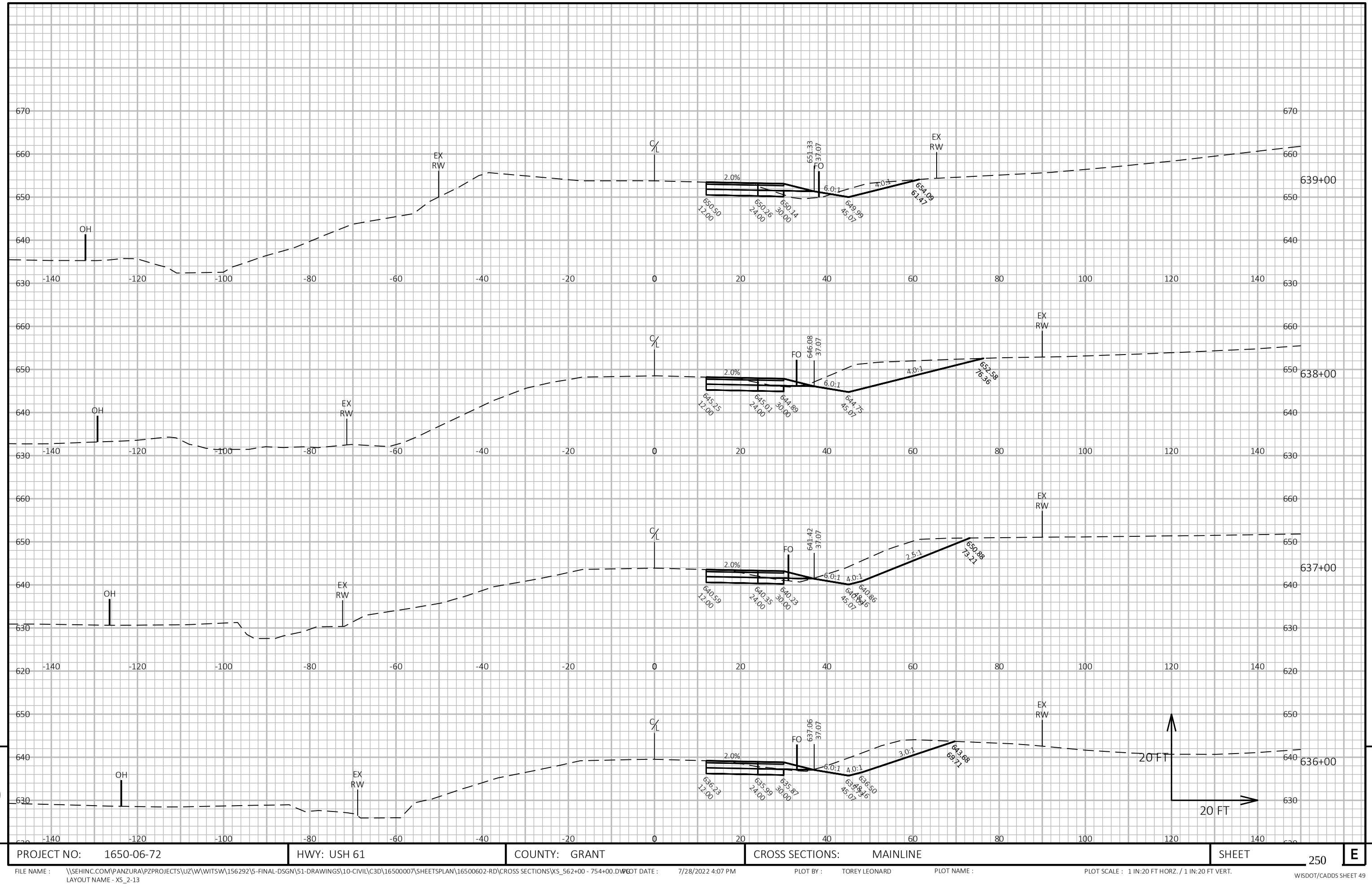
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



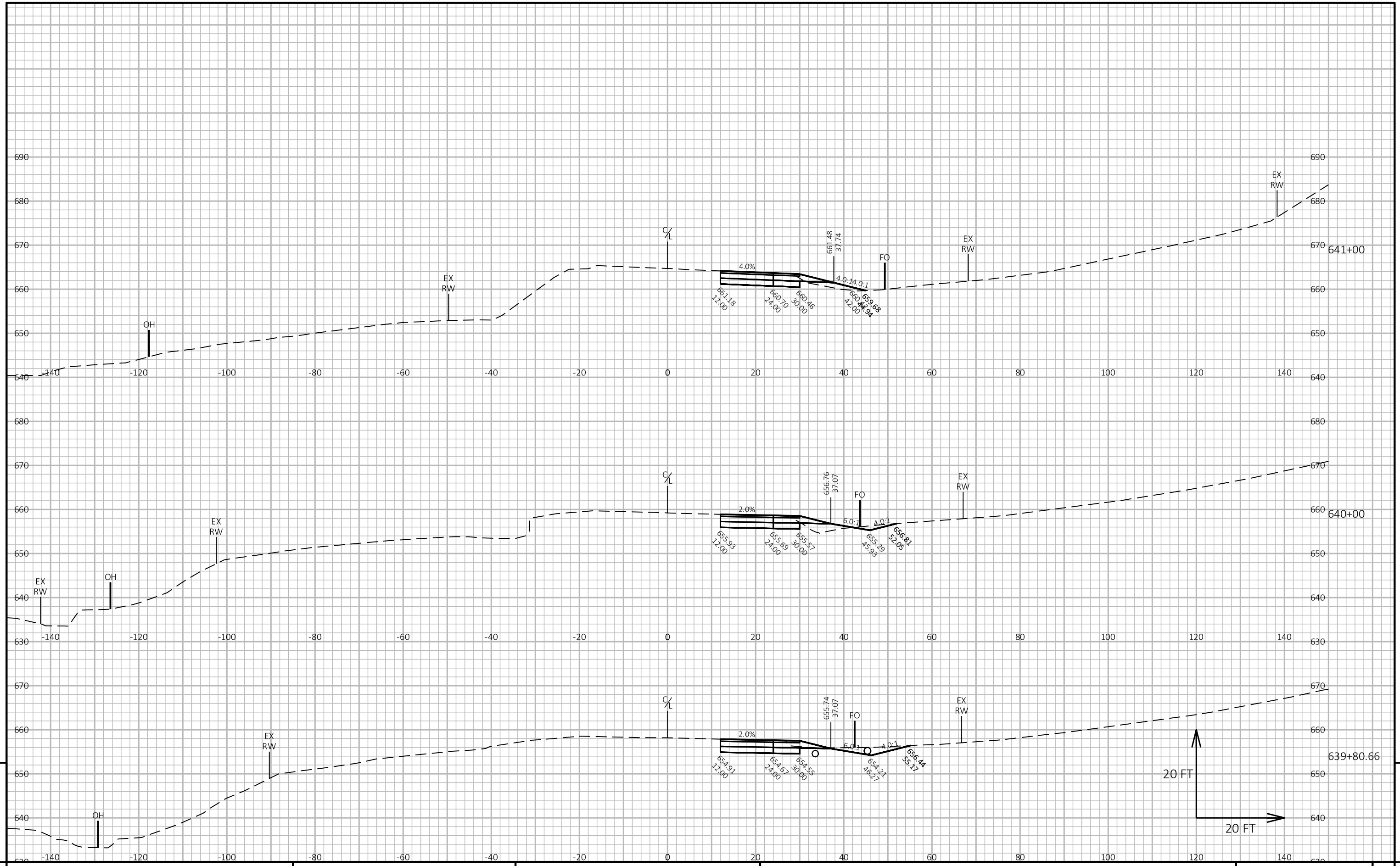
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 249 E



9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 250	E

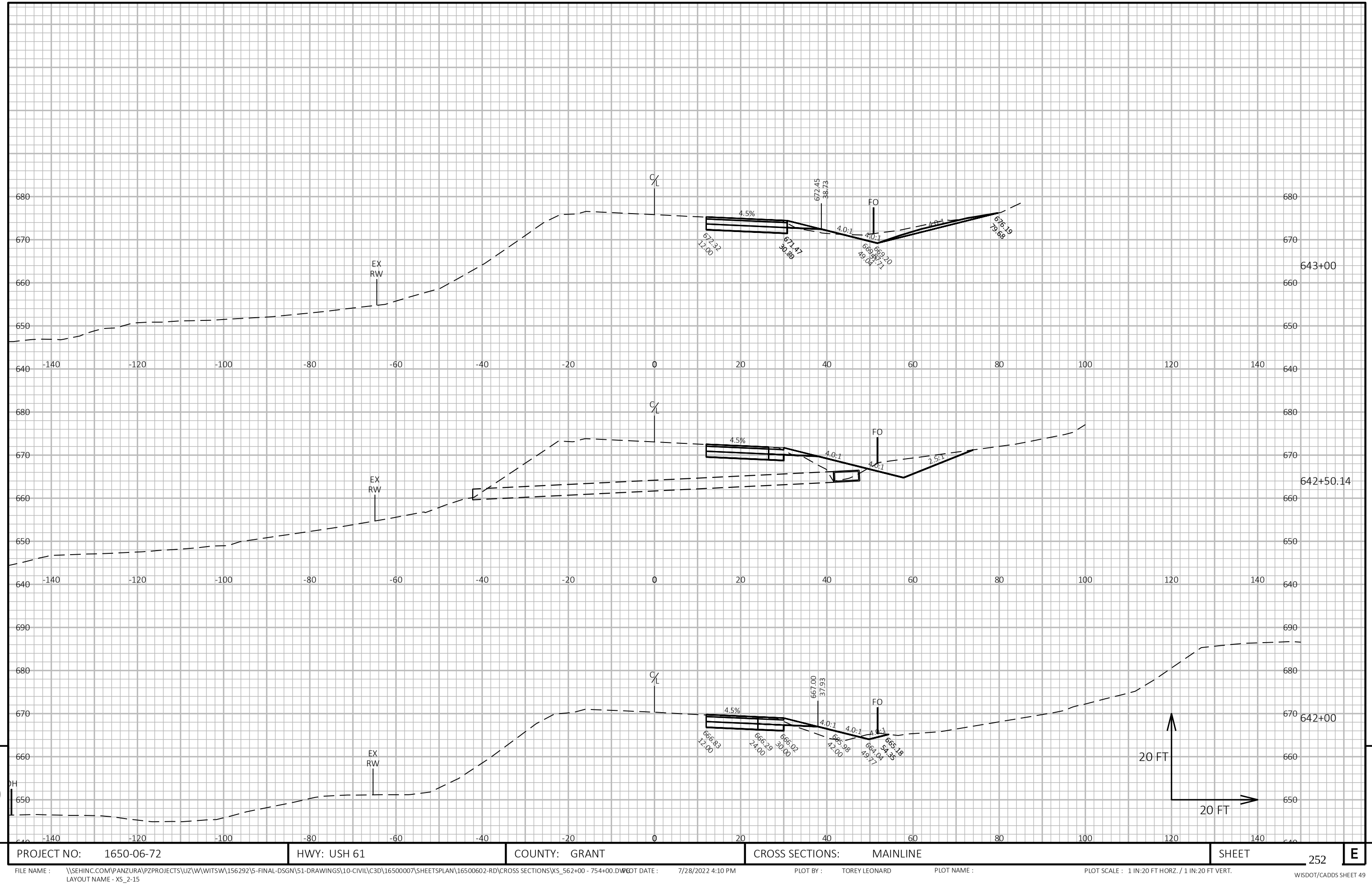
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-13
PLOT DATE : 7/28/2022 4:07 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 251 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-14
PLOT DATE : 7/28/2022 4:08 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

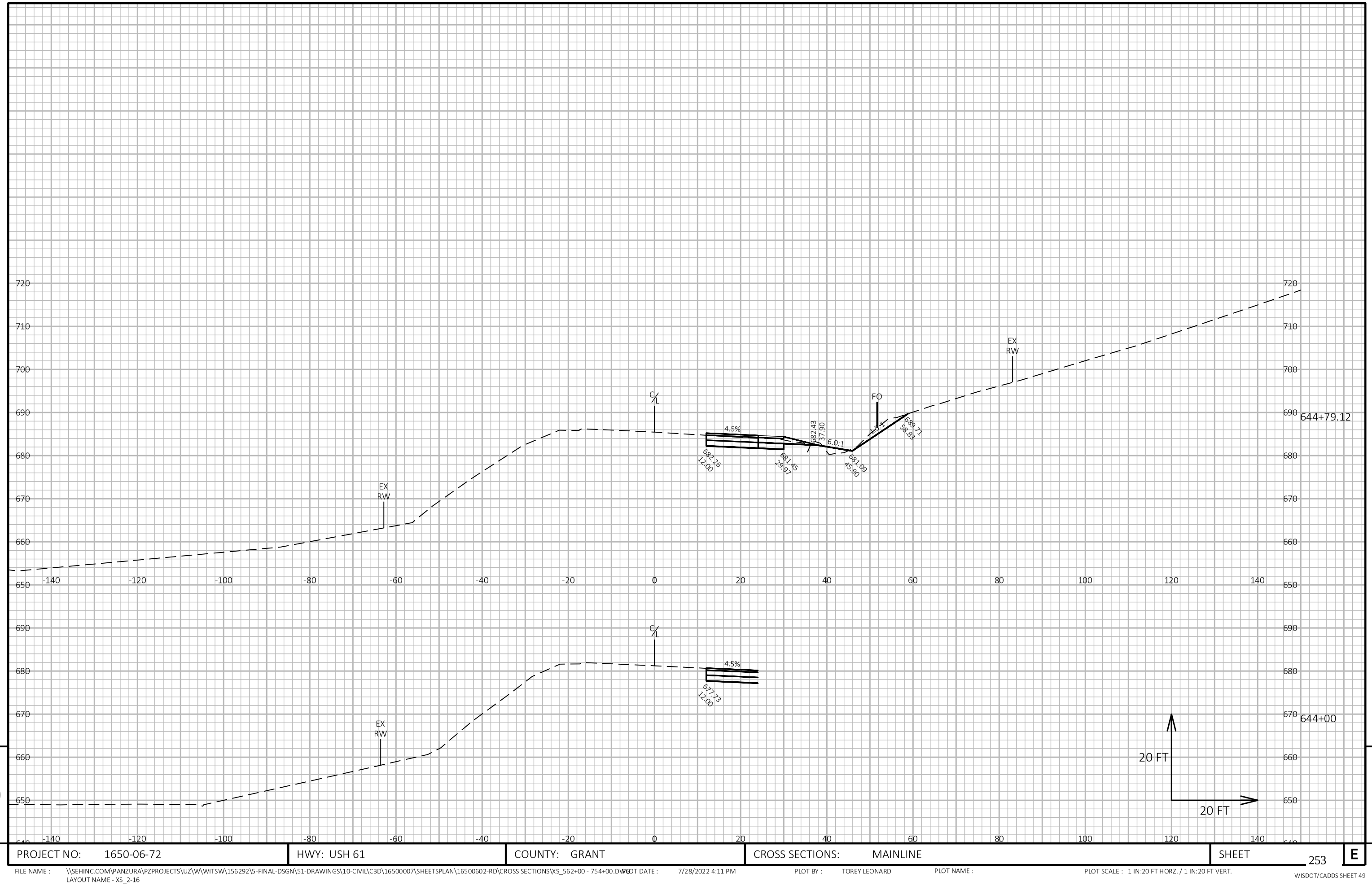


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 252	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-15

PLOT DATE : 7/28/2022 4:10 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 253	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_2-16

PLOT DATE : 7/28/2022 4:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

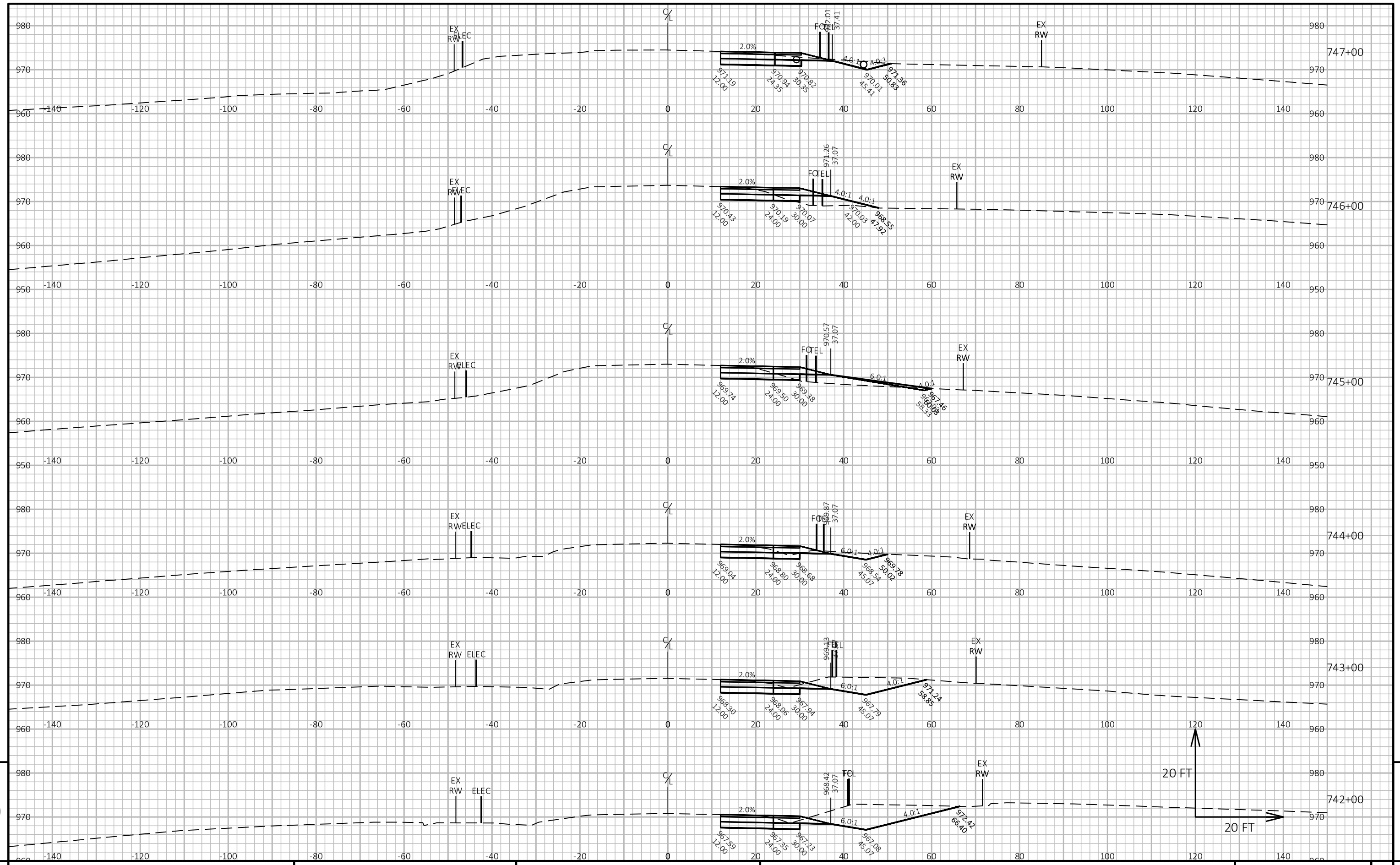
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 254	E

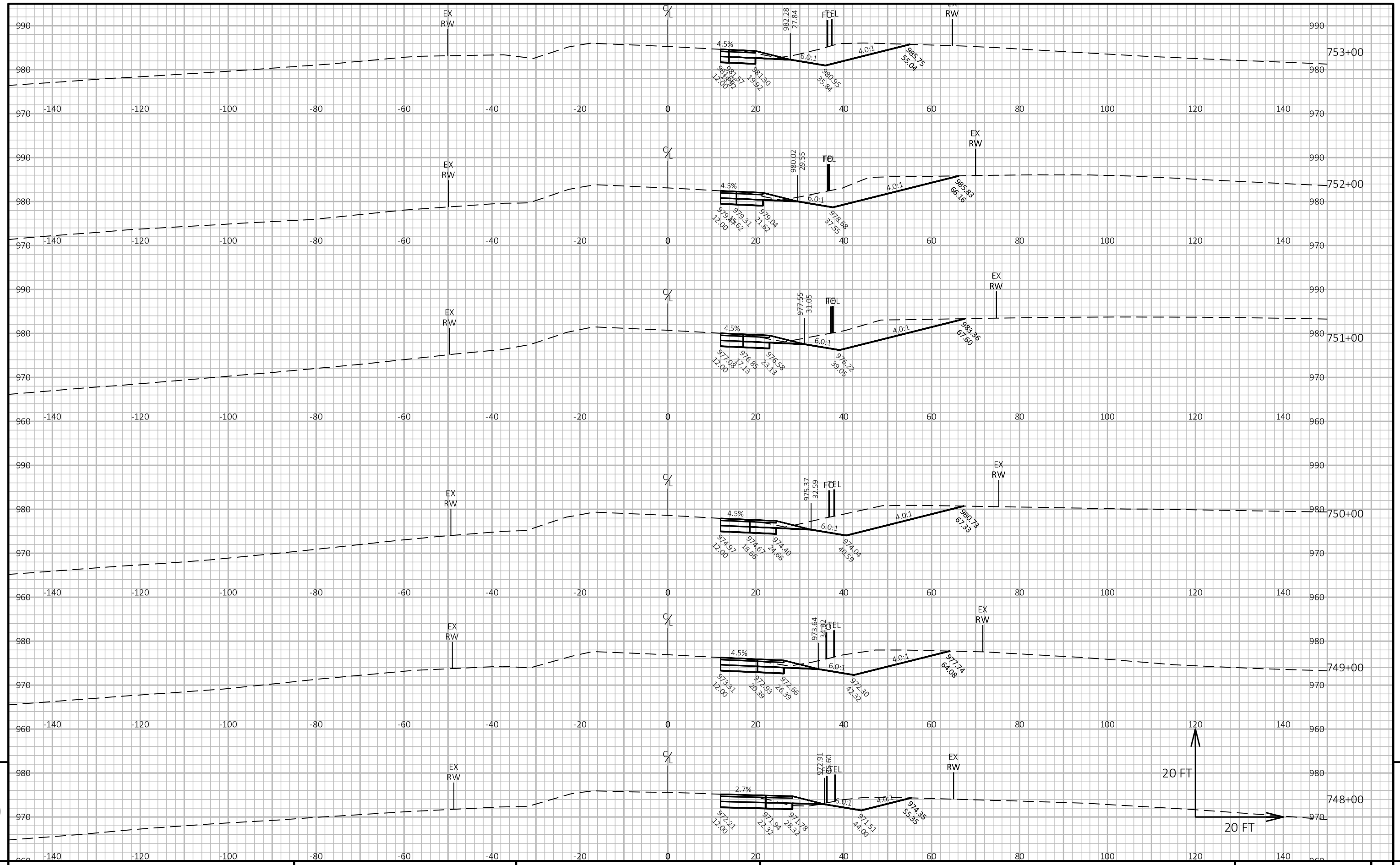
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_3-1
PLOT DATE : 7/28/2022 5:43 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 255	E

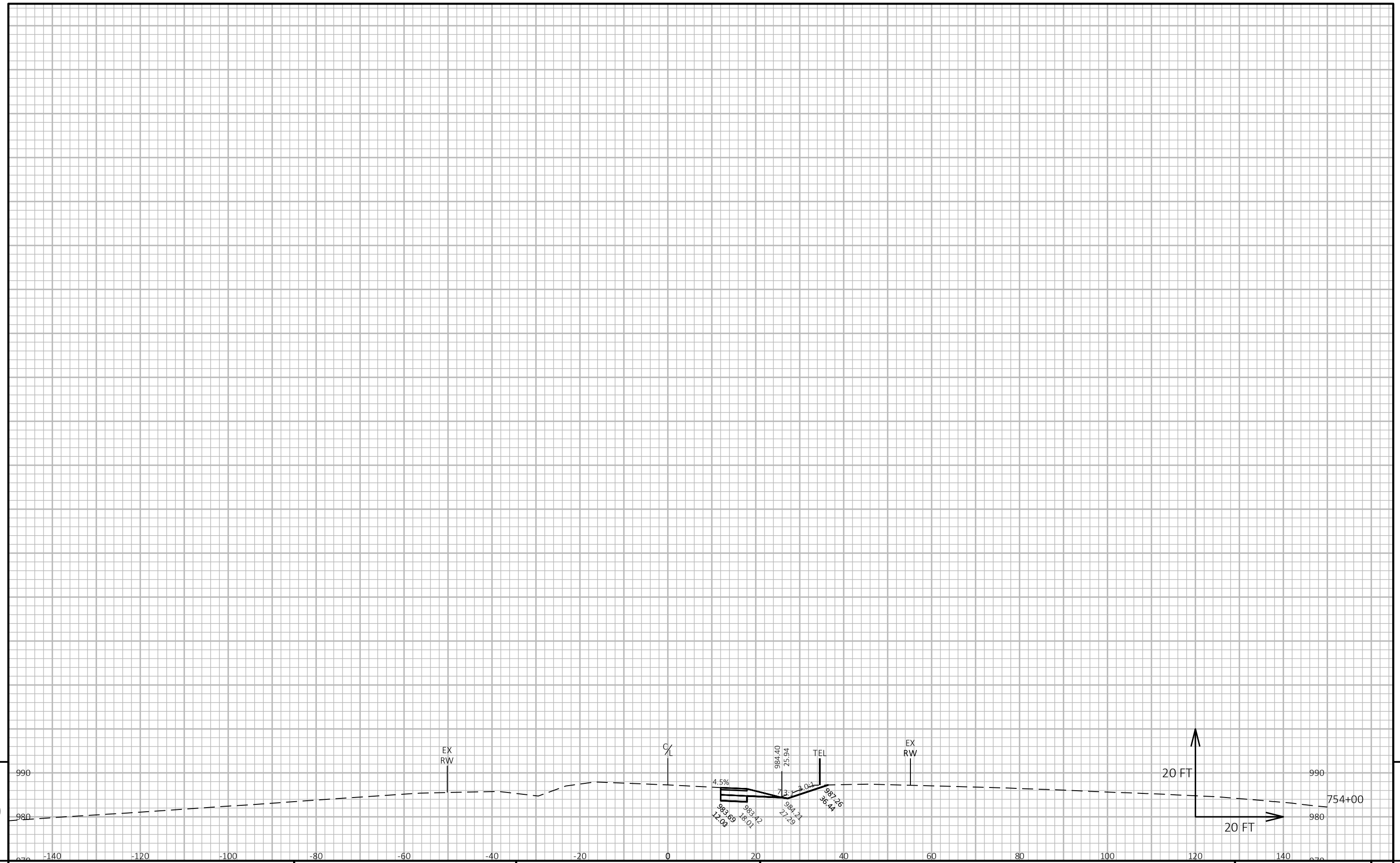
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_3-2
PLOT DATE : 7/28/2022 5:44 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 256	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_3-3
PLOT DATE : 7/28/2022 5:45 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

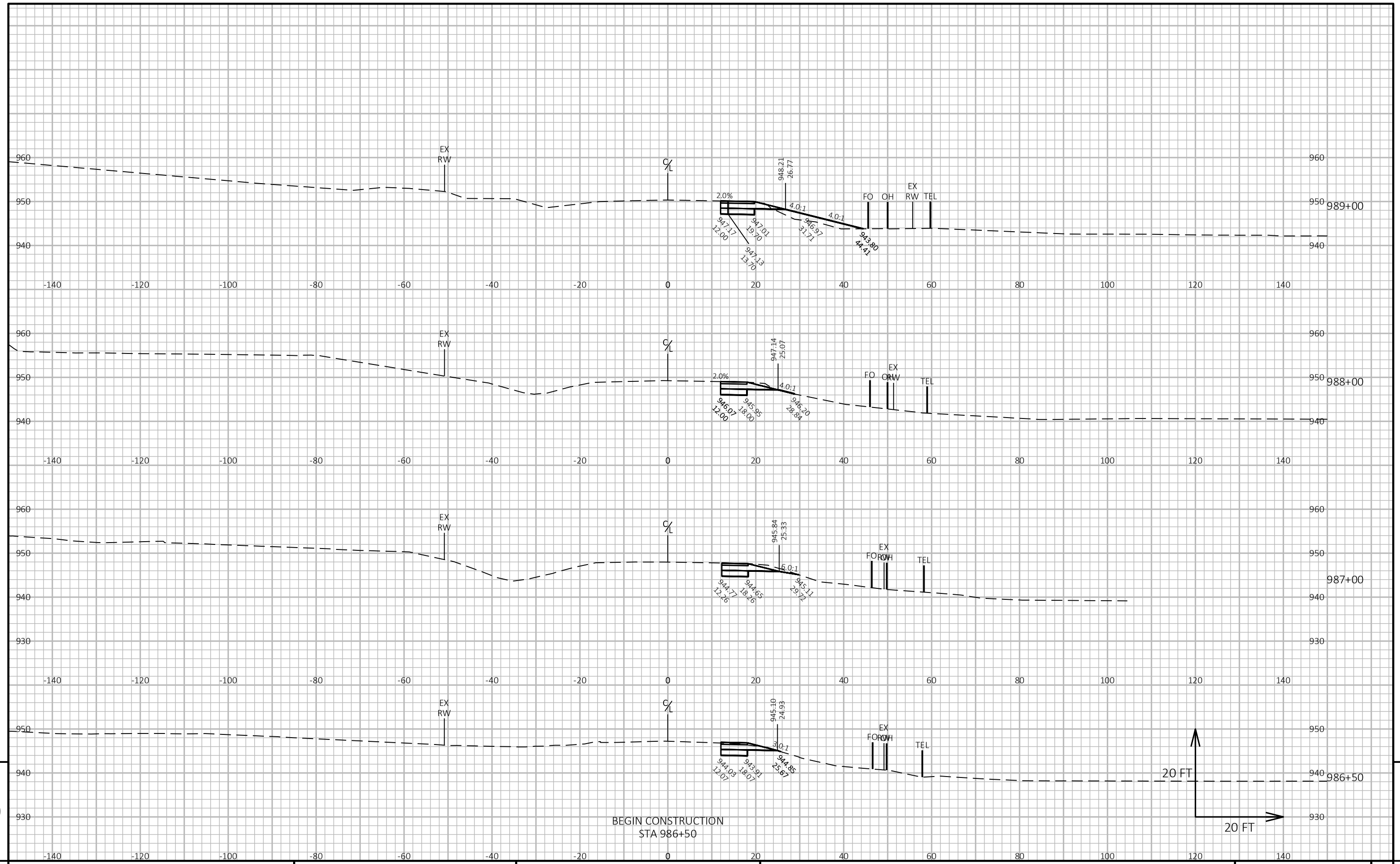
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 257	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_562+00 - 754+00.DWG
LAYOUT NAME - XS_3-4

PLOT DATE : 7/28/2022 5:46 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

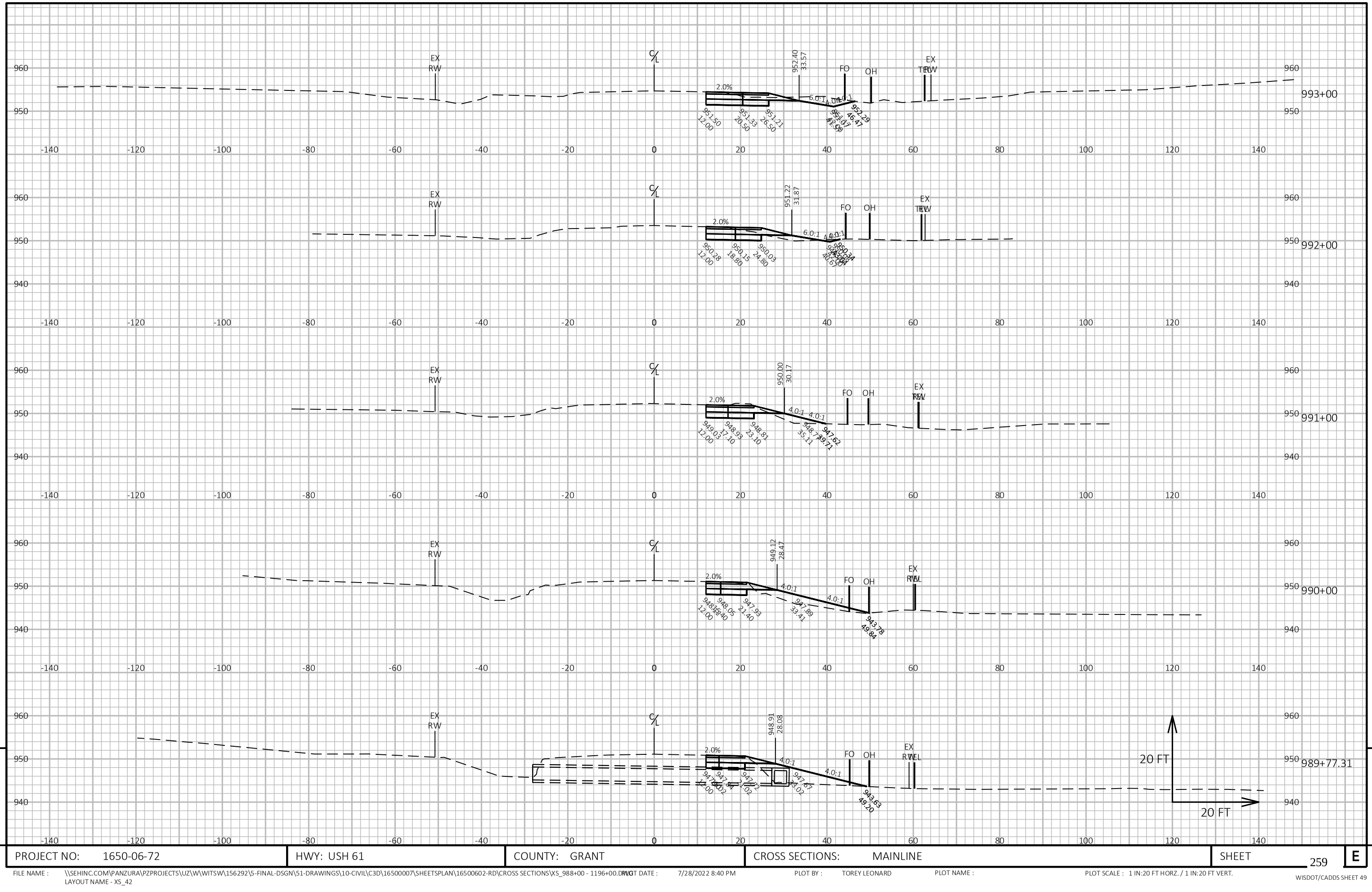
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 258	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_41
PLOT DATE : 7/28/2022 8:38 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

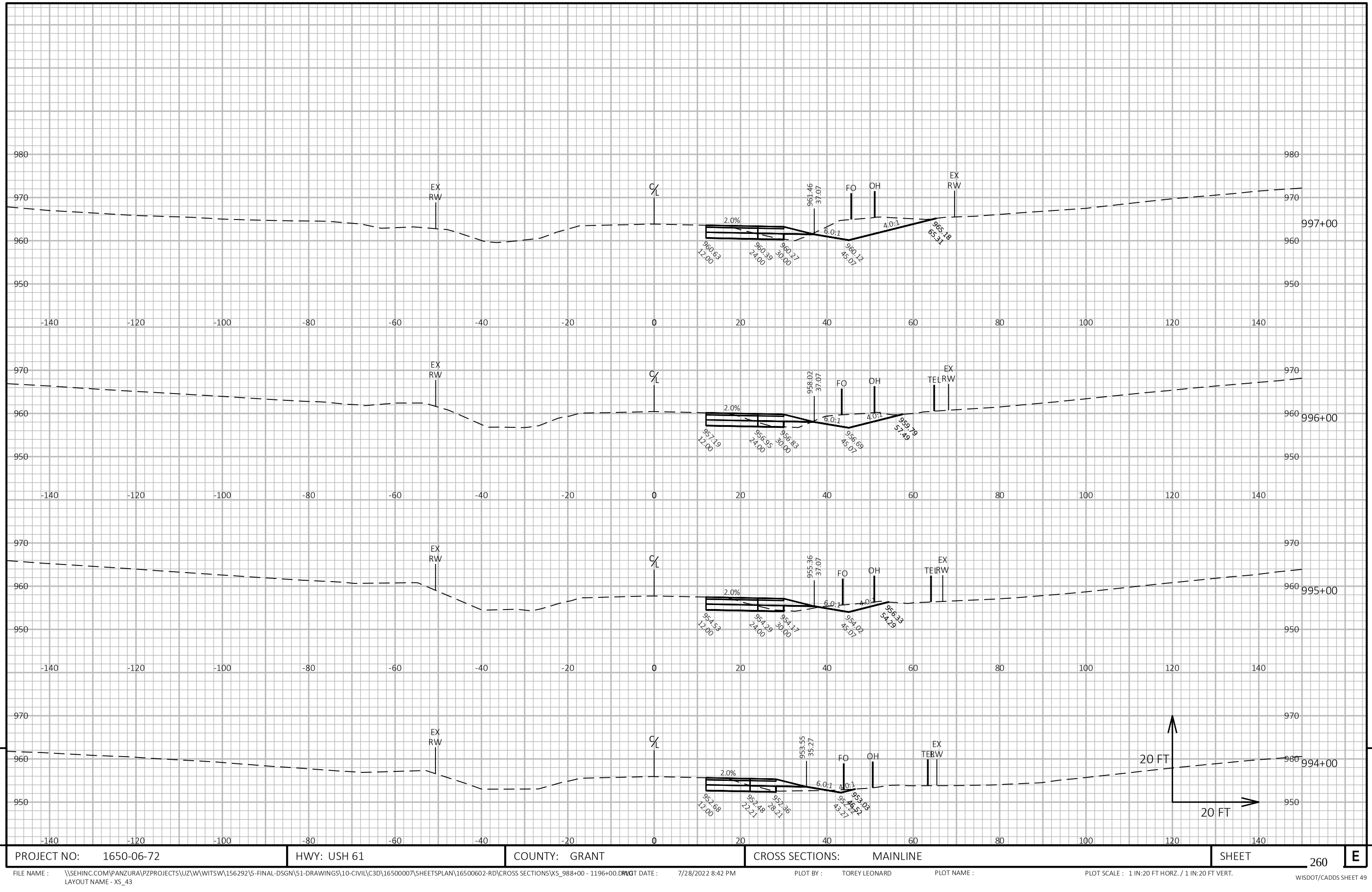
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 259	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_42

PLOT DATE : 7/28/2022 8:40 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



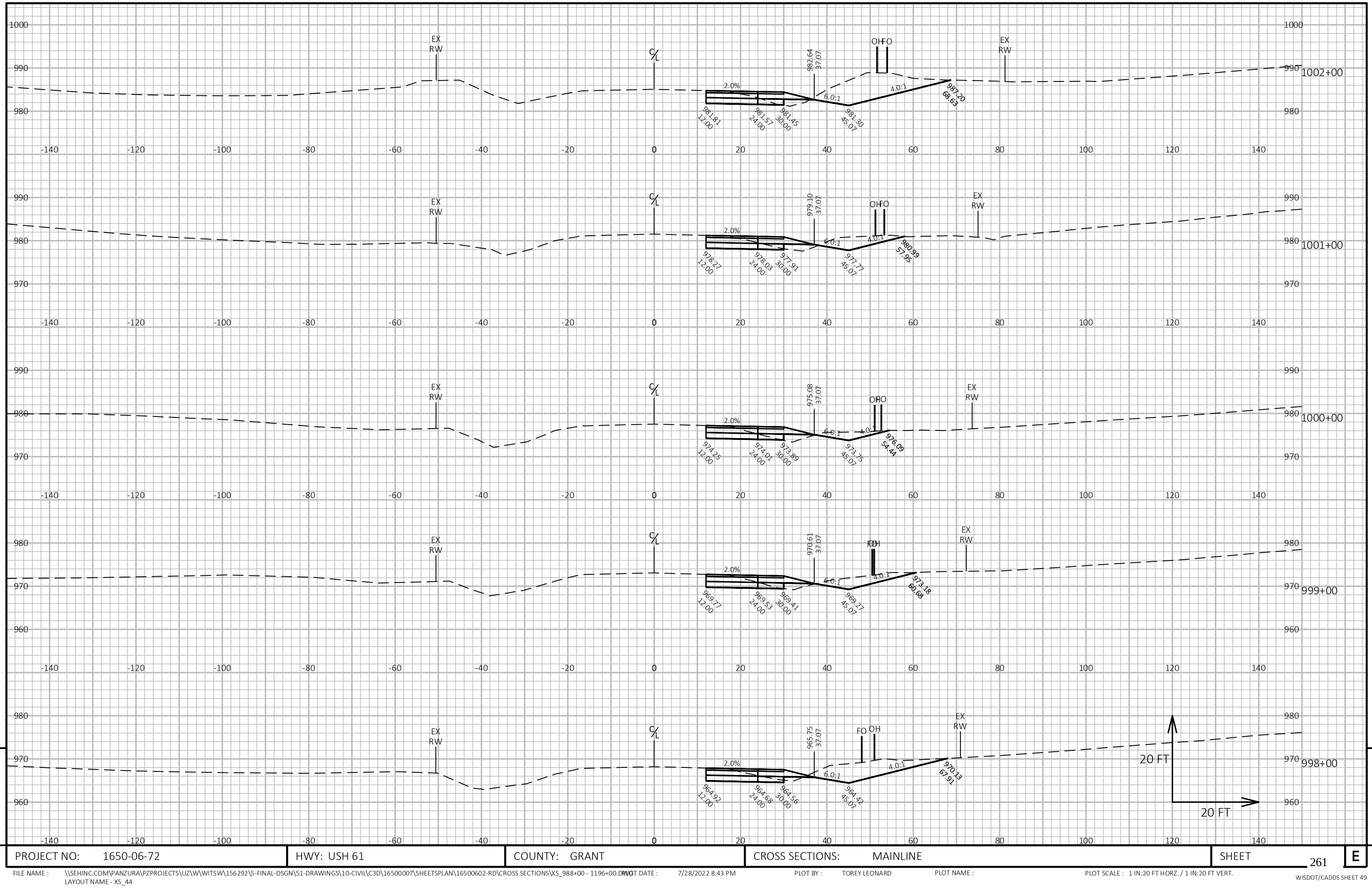
9 9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 260	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_43

PLOT DATE : 7/28/2022 8:42 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

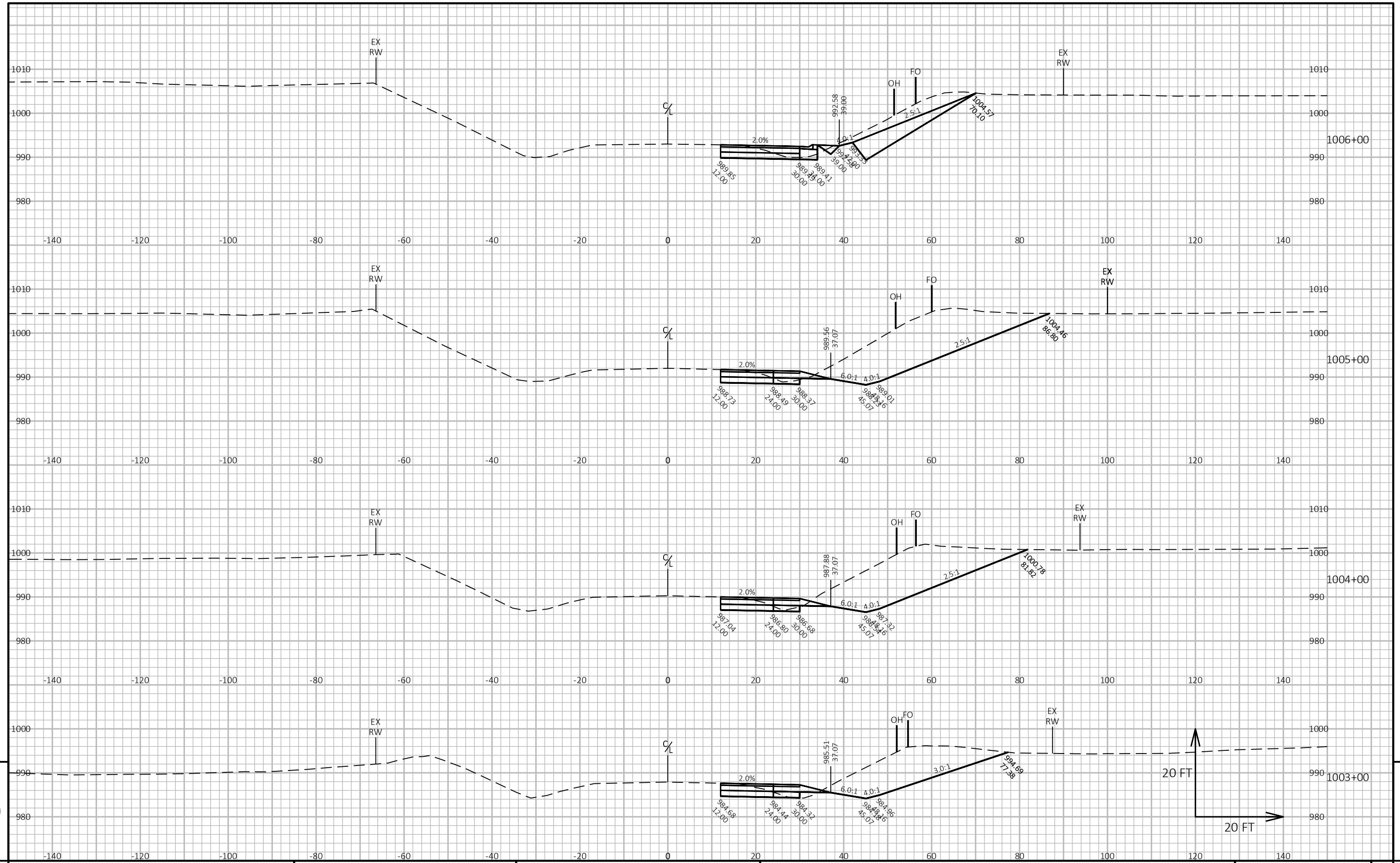
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 261	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_44

PLOT DATE : 7/28/2022 8:43 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 262	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_45

PLOT DATE : 7/28/2022 8:45 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 263	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_46

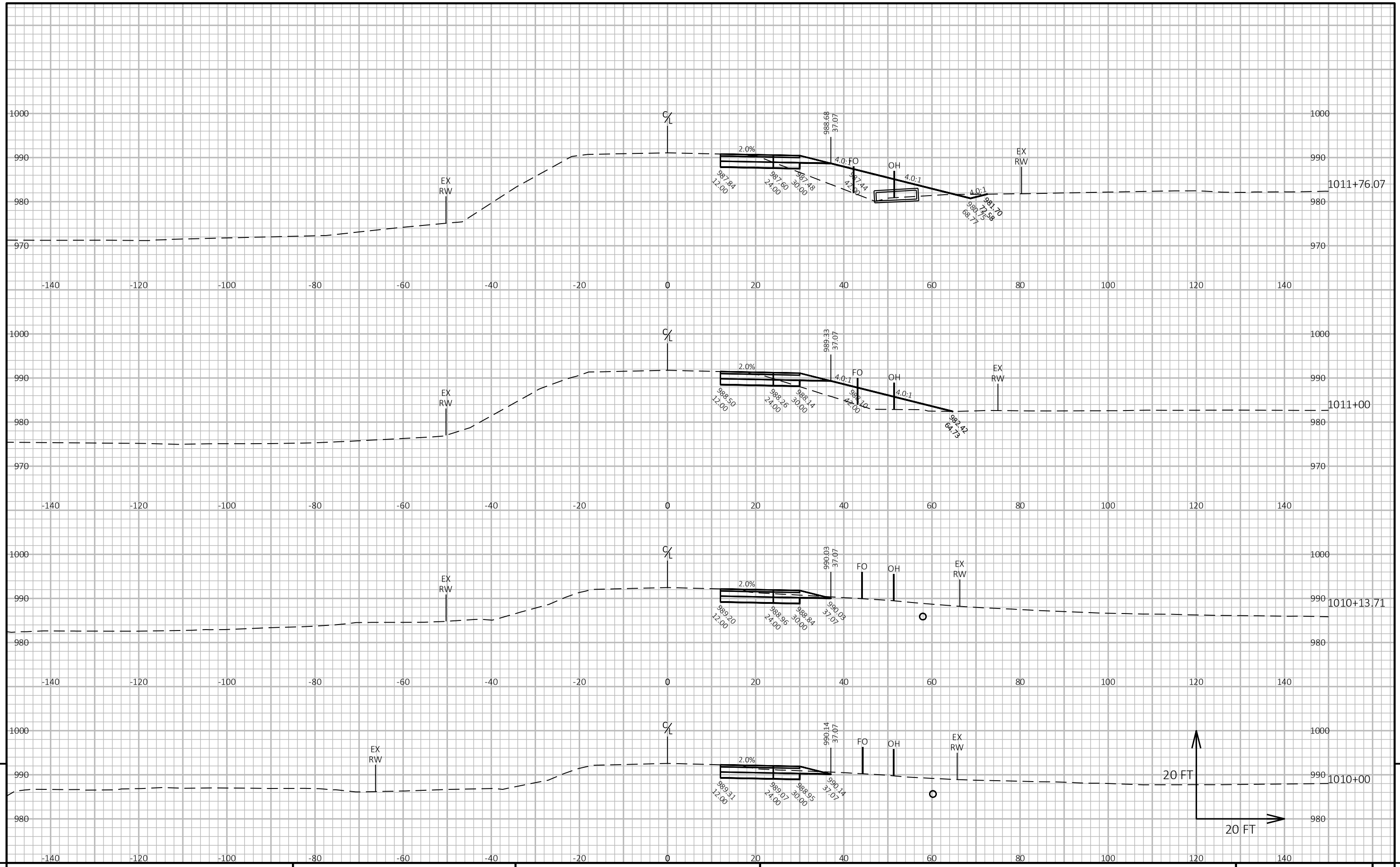
PLOT DATE : 7/28/2022 8:46 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

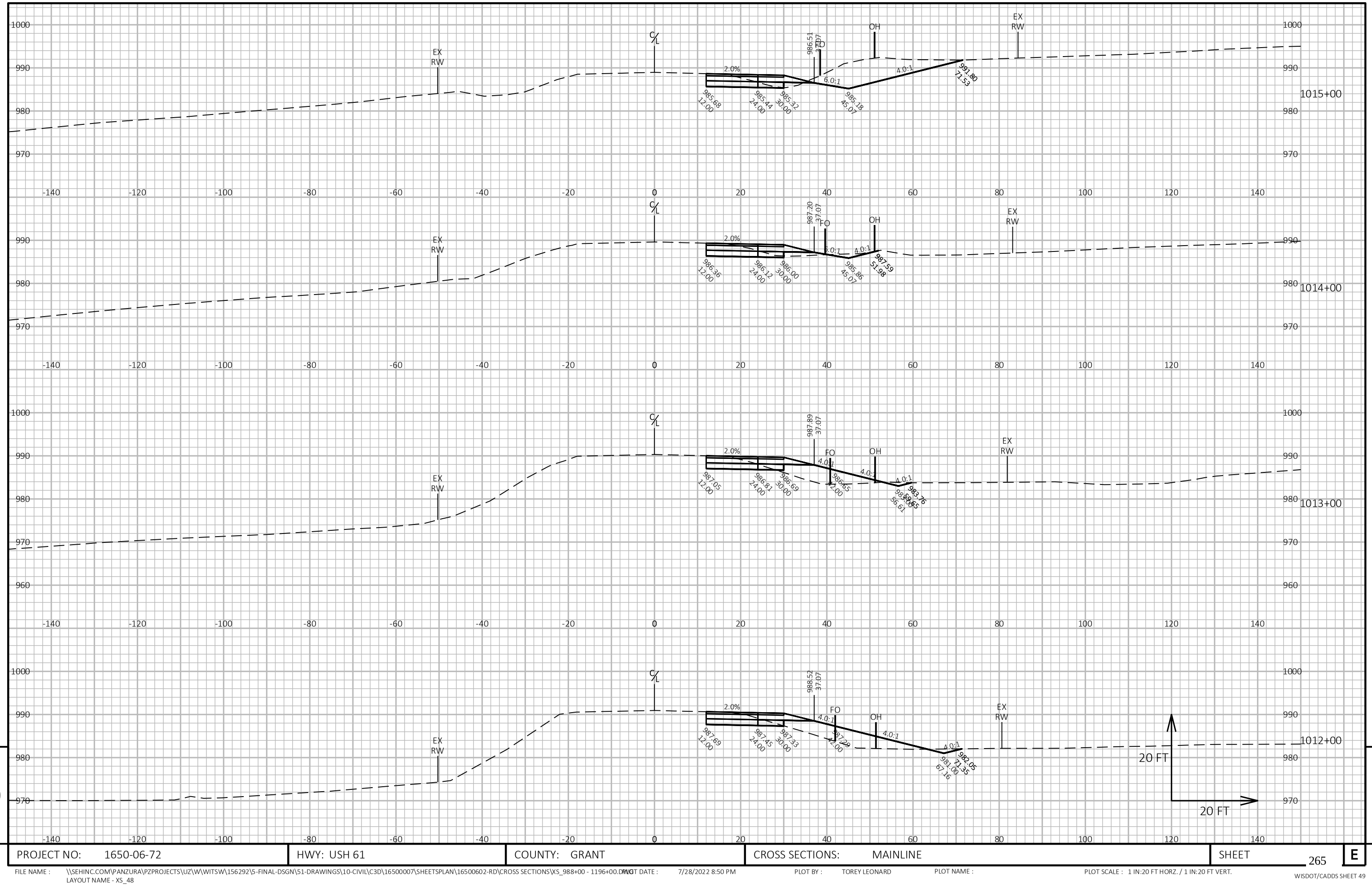
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 264	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_47

PLOT DATE : 7/28/2022 8:48 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

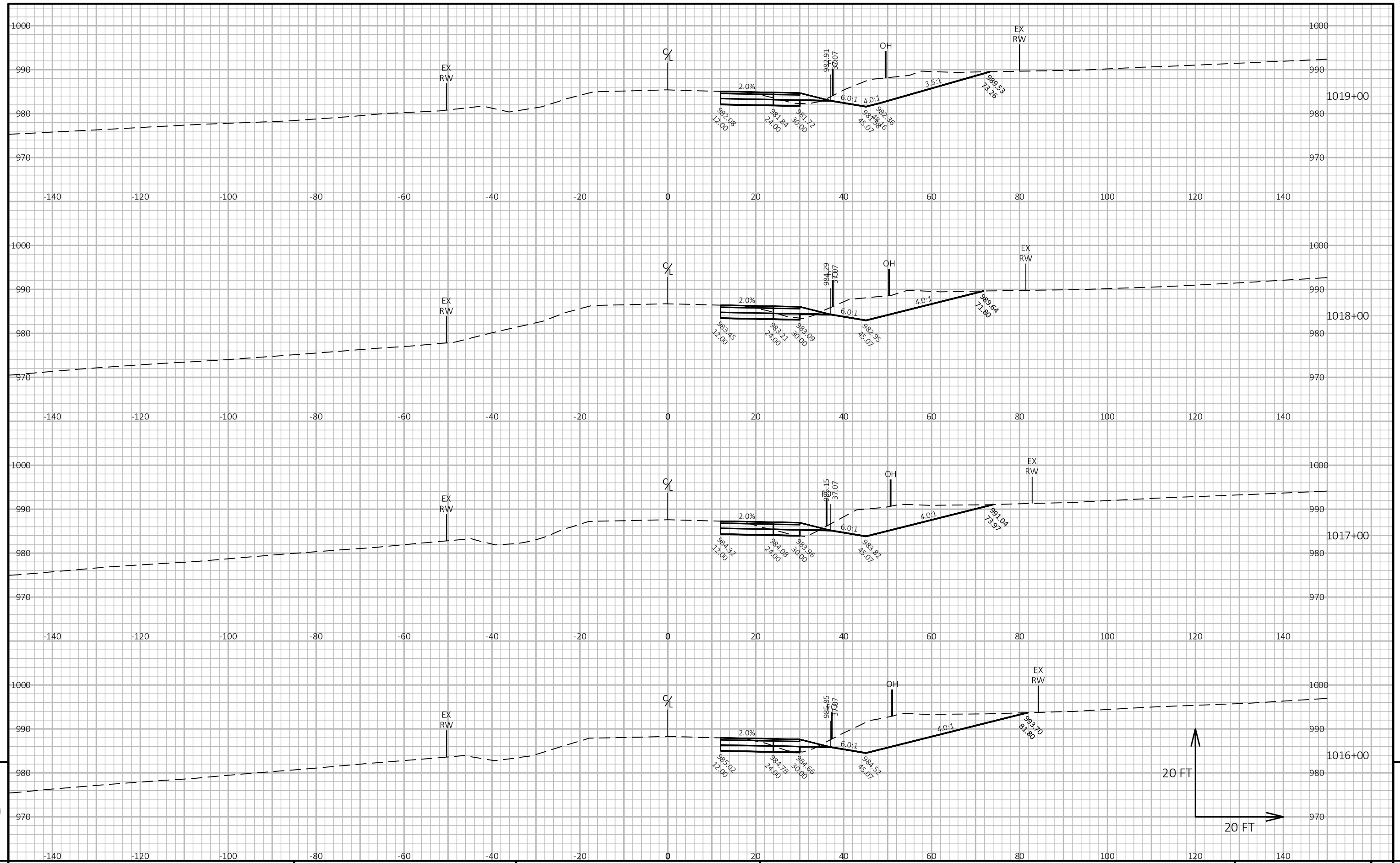
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 265	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_48

PLOT DATE : 7/28/2022 8:50 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 266	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_49

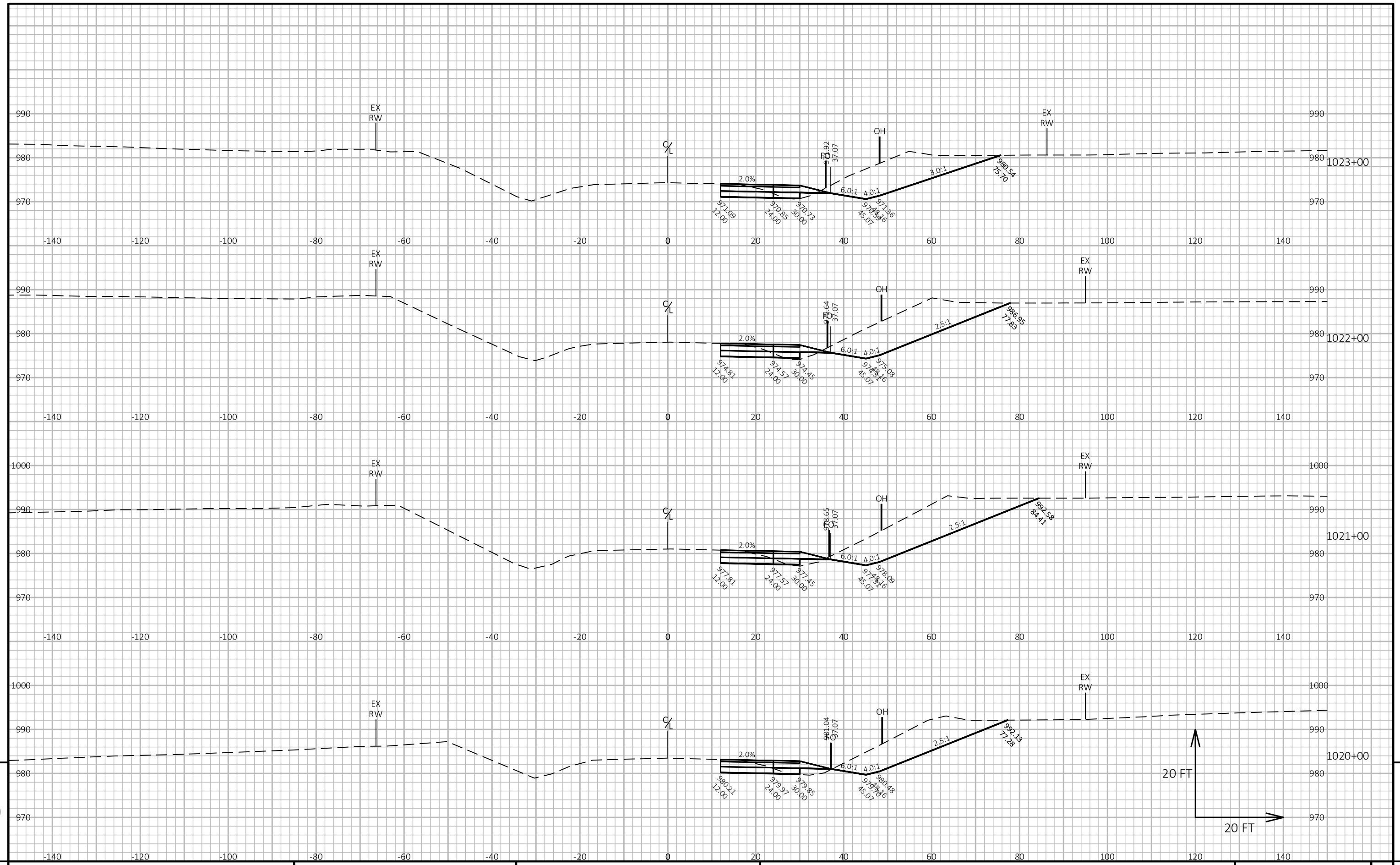
PLOT DATE : 7/28/2022 8:51 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

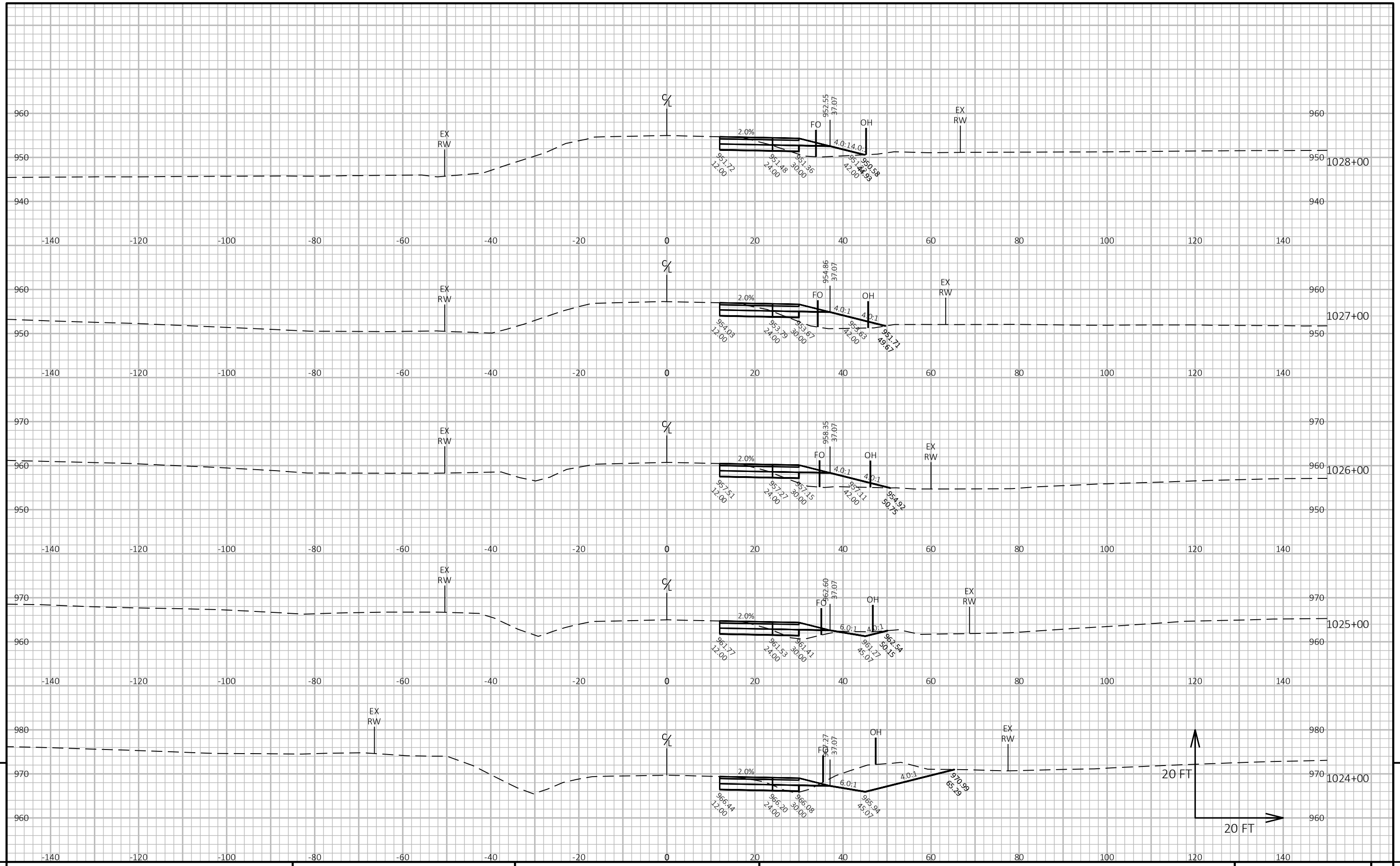
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 267	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_410

PLOT DATE : 7/28/2022 8:53 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 268	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_411

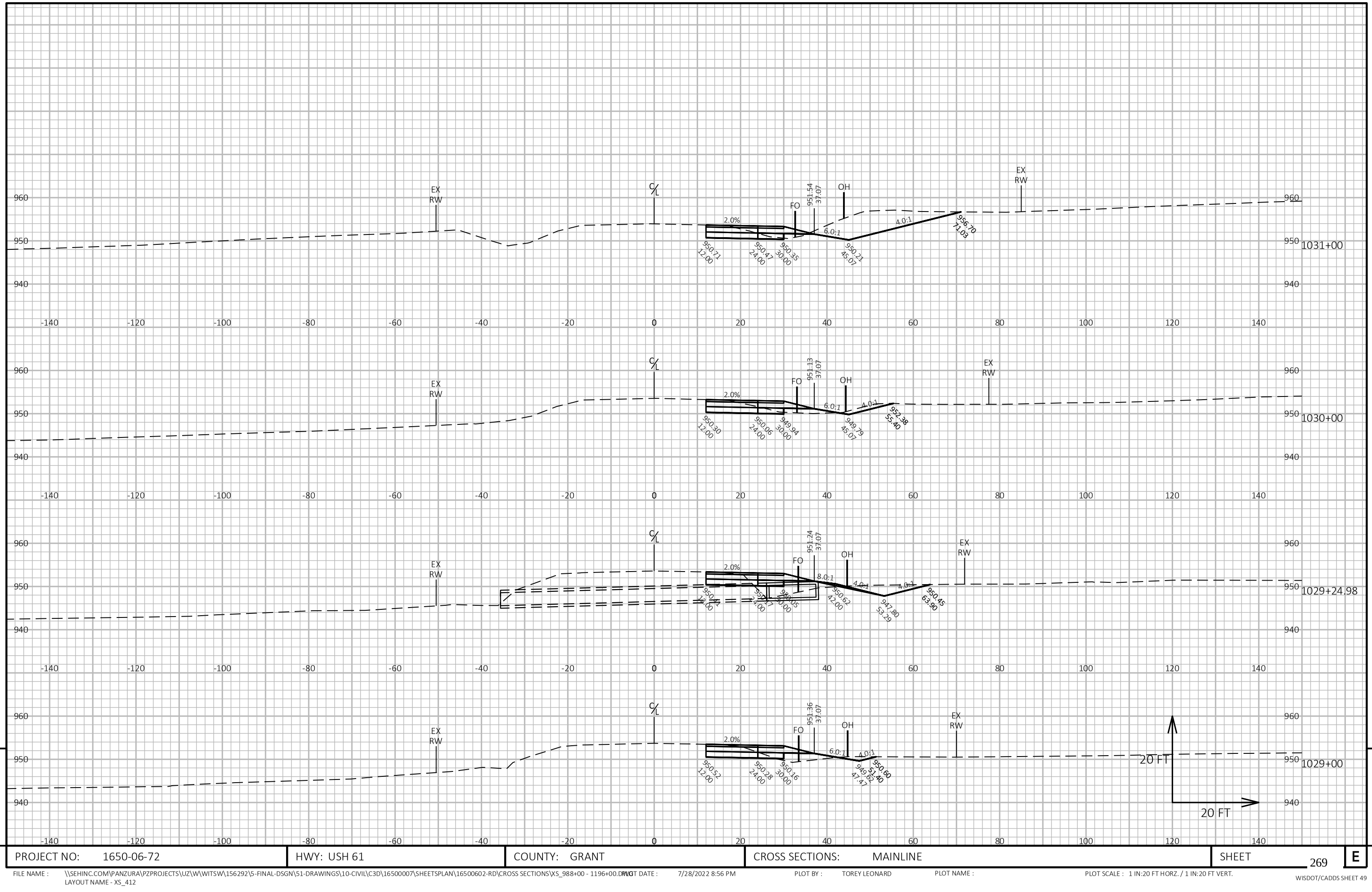
PLOT DATE : 7/28/2022 8:54 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

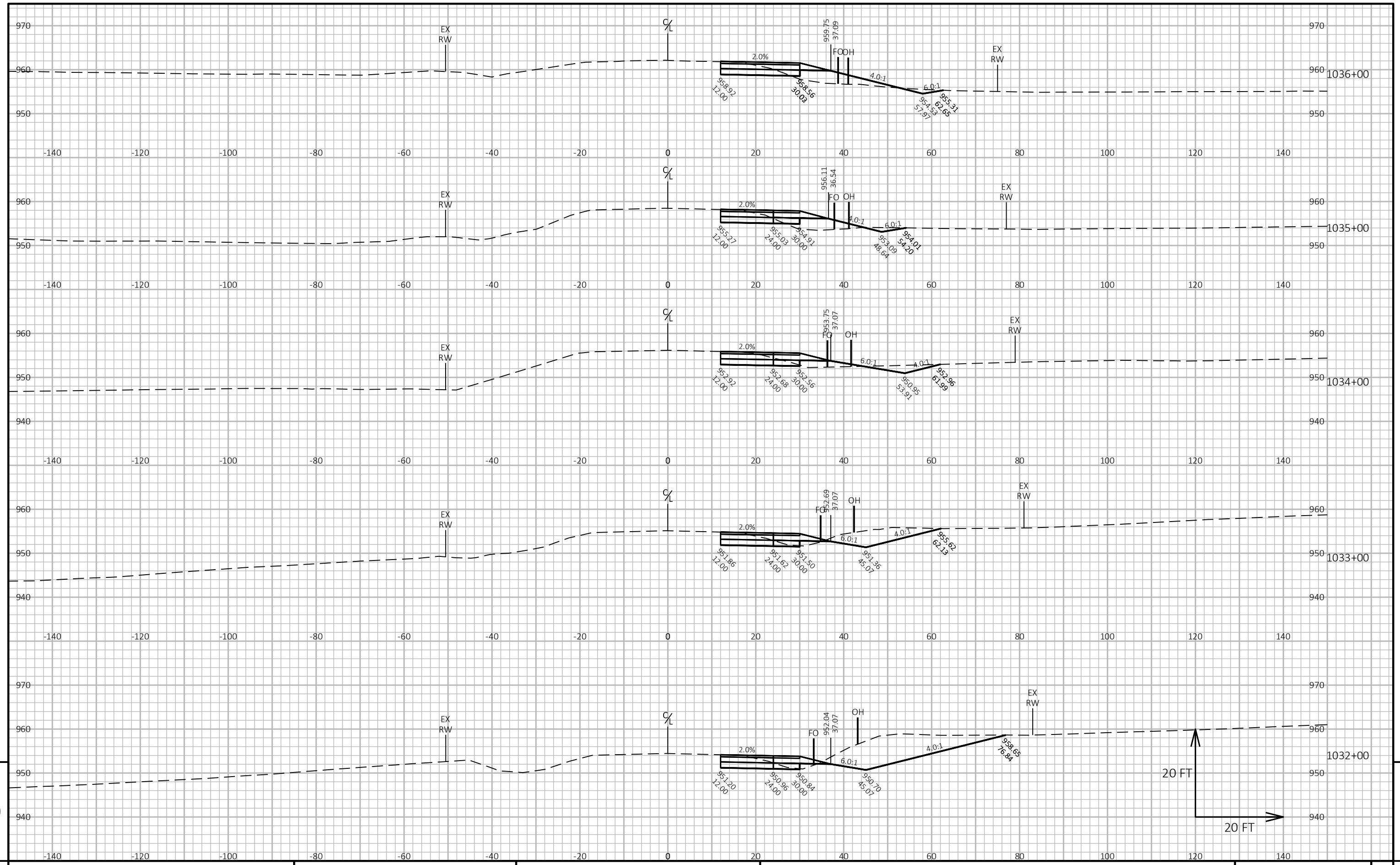
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 269	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_412

PLOT DATE : 7/28/2022 8:56 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

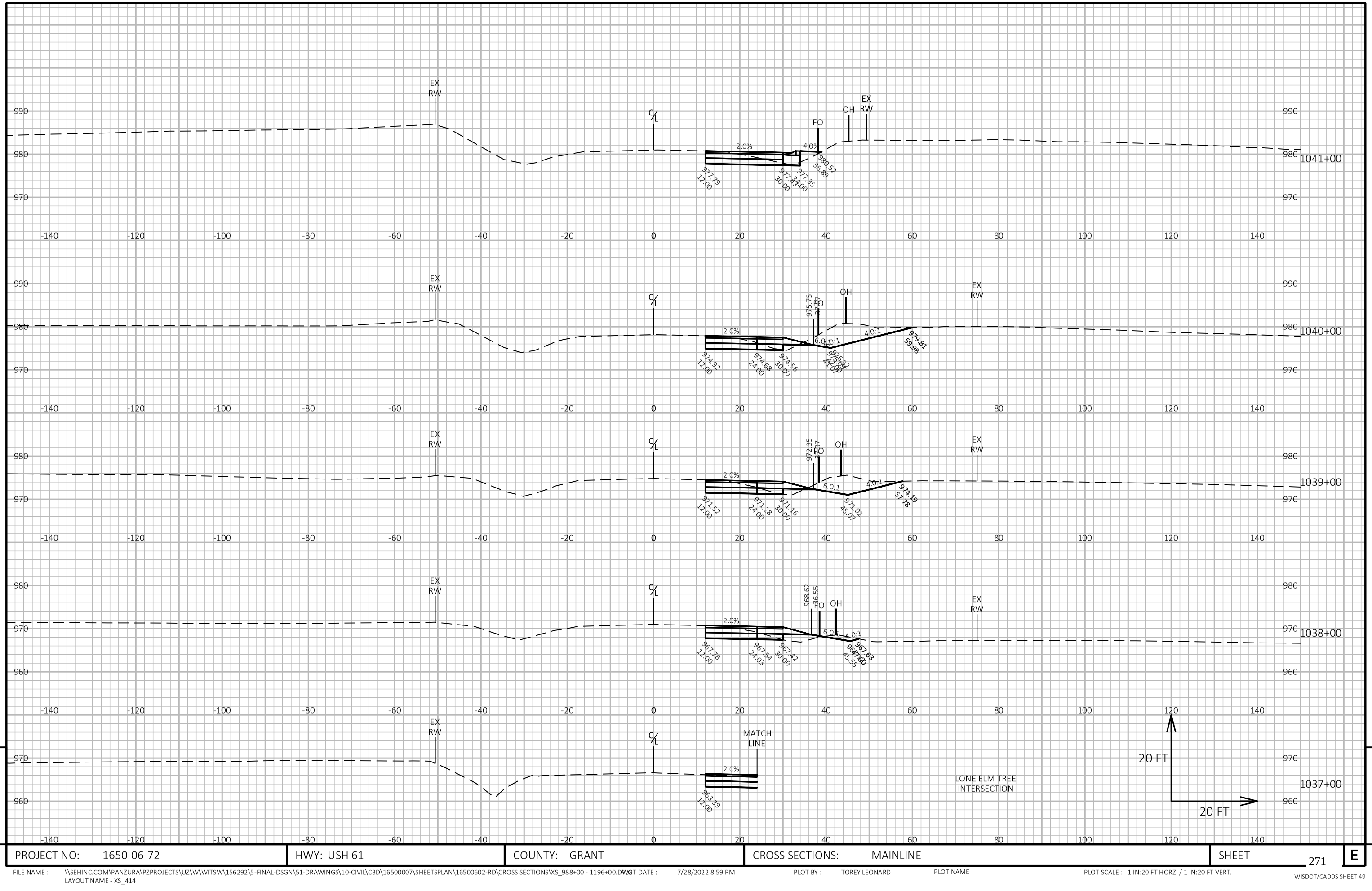


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 270	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_413

PLOT DATE : 7/28/2022 8:58 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

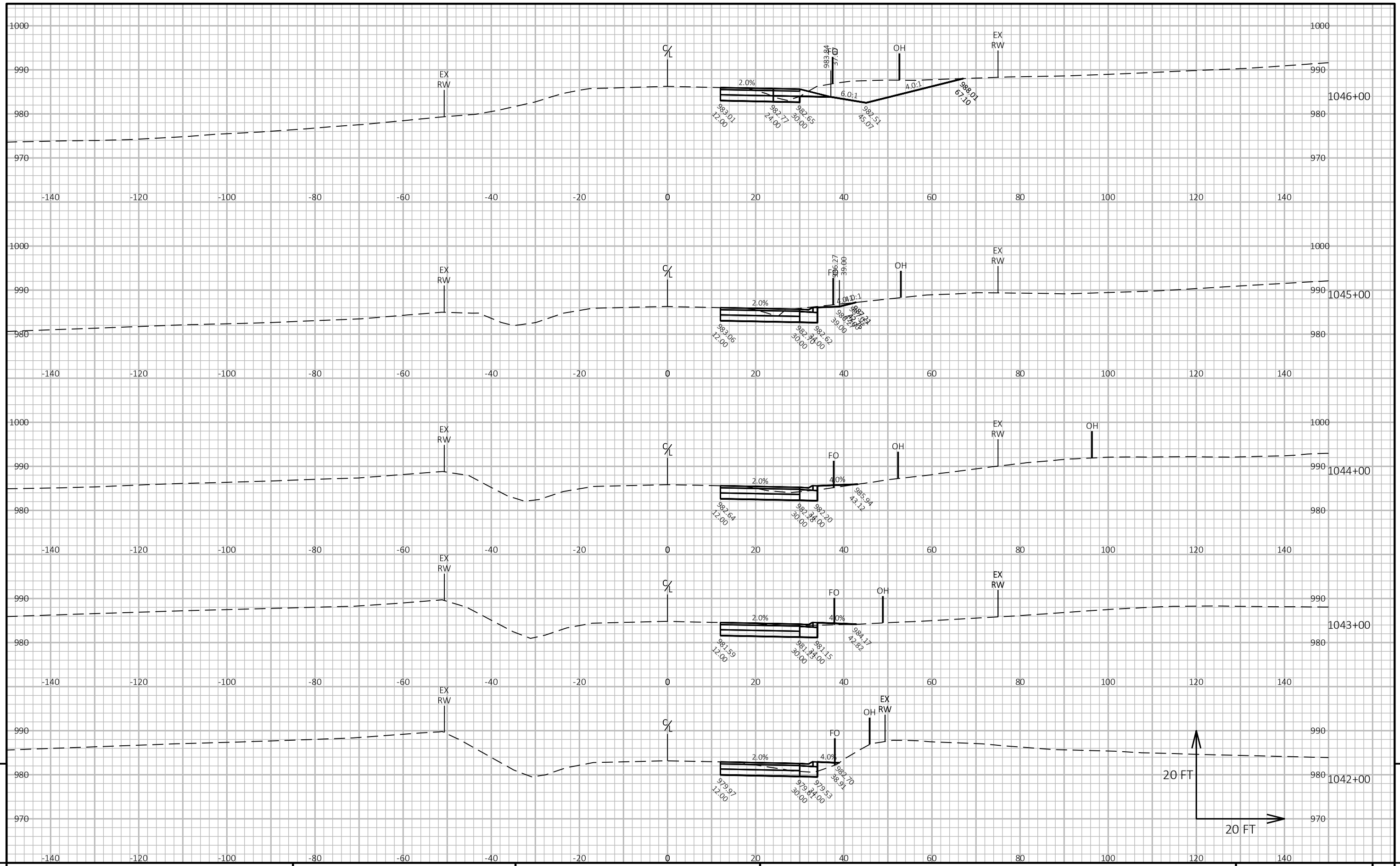
WISDOT/CADDS SHEET 49



9

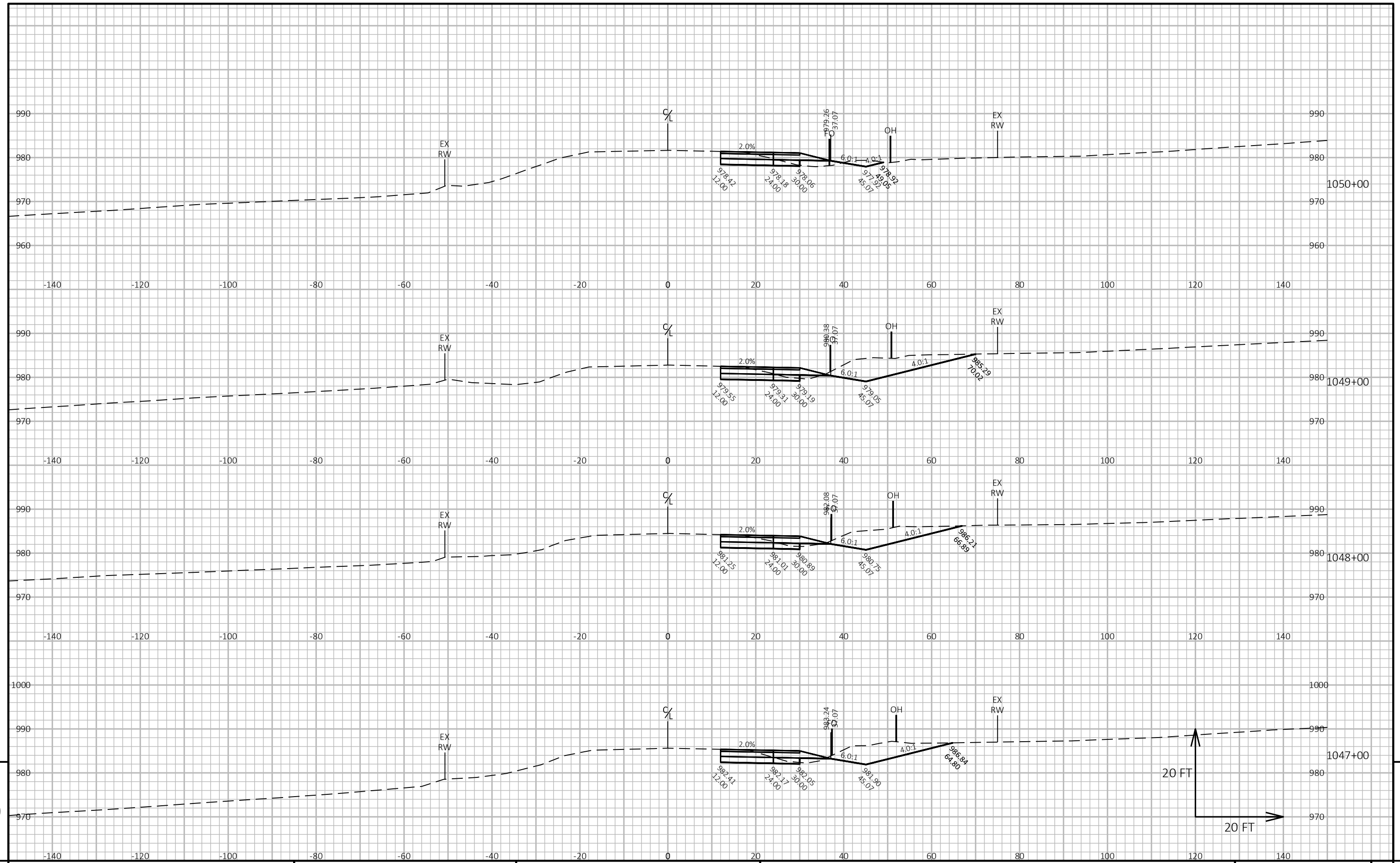
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 271	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_414
PLOT DATE : 7/28/2022 8:59 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 272	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_415
PLOT DATE : 7/28/2022 9:01 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 273	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_416

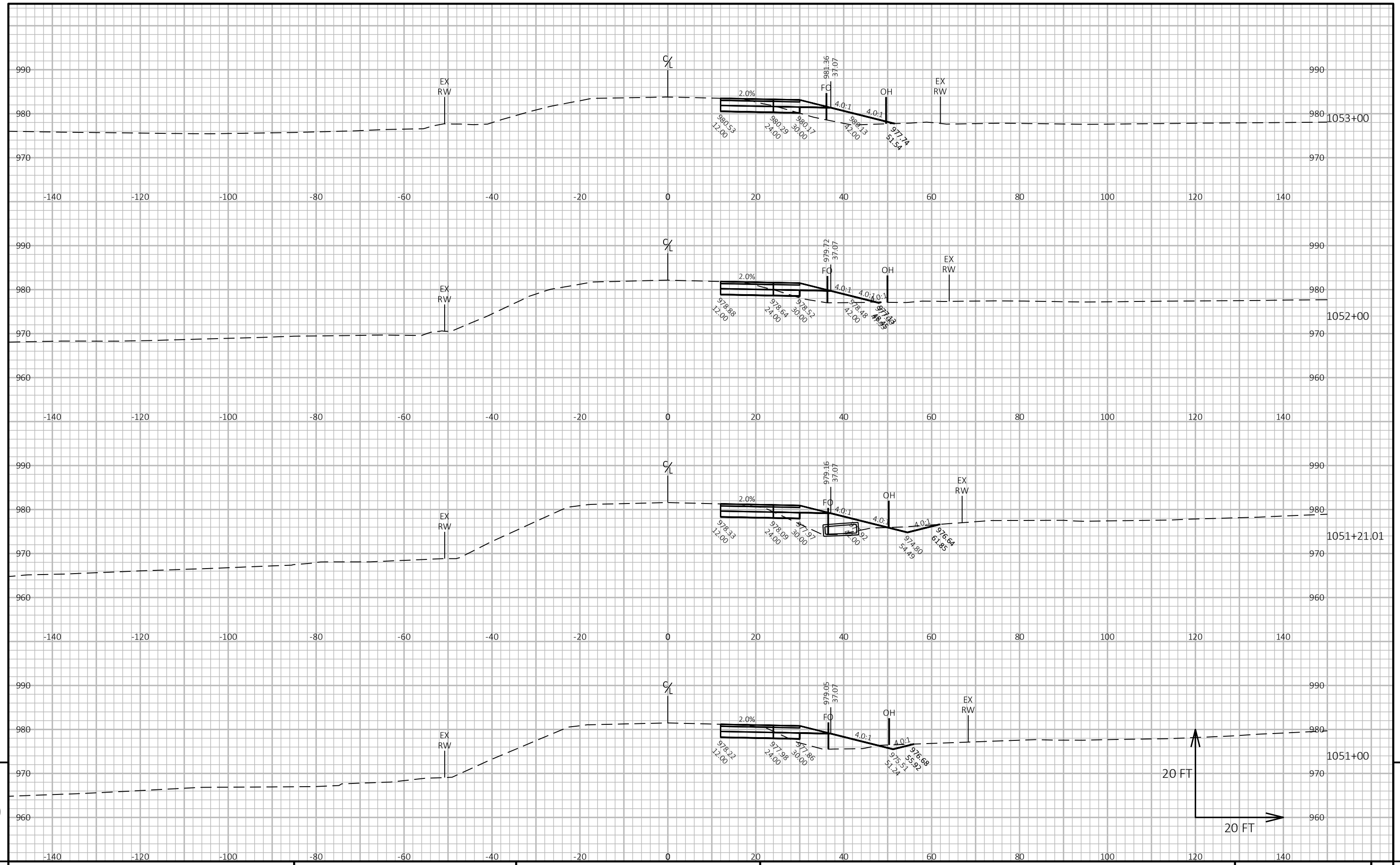
PLOT DATE : 7/28/2022 9:02 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

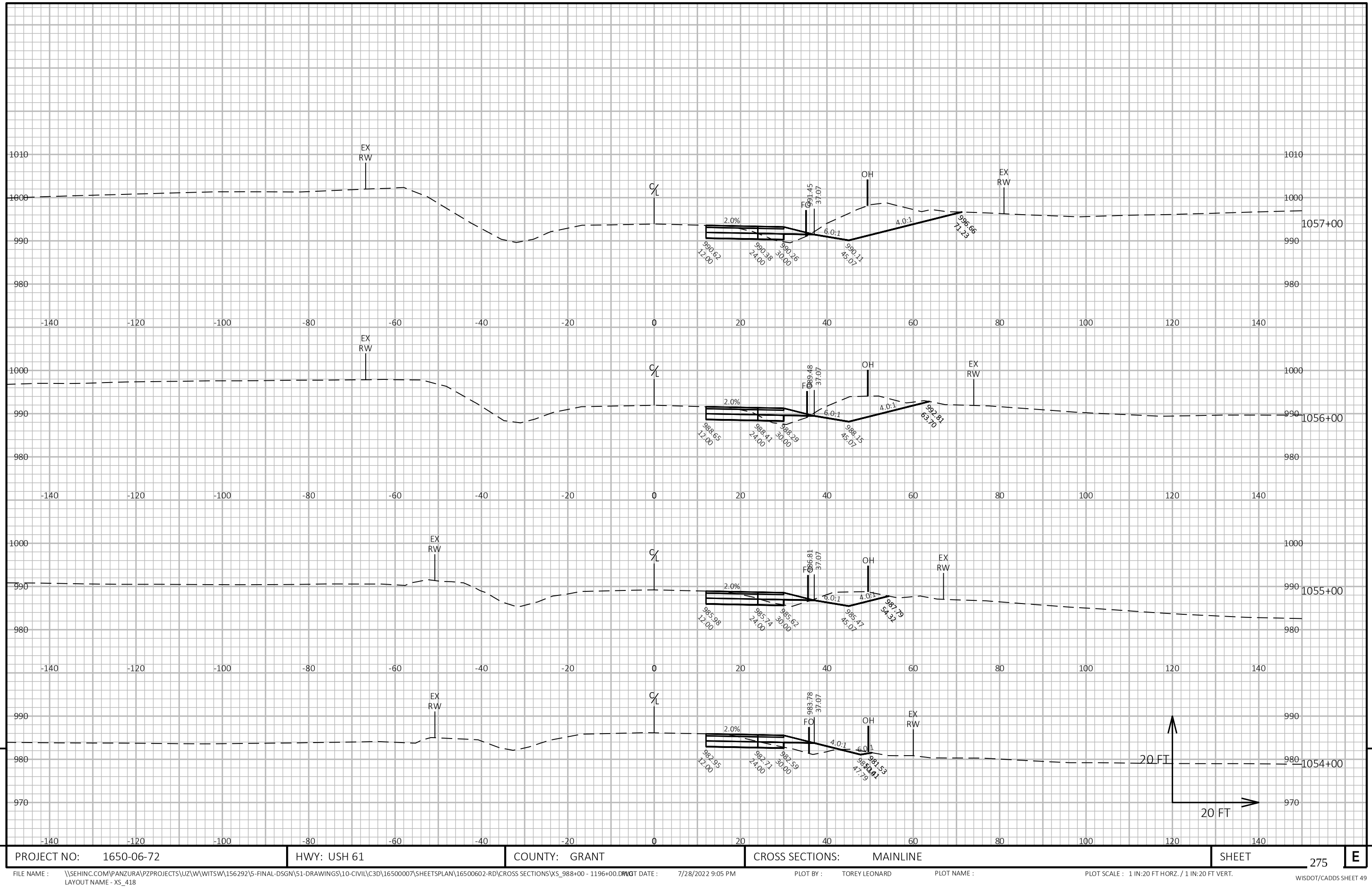


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 274	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_417
PLOT DATE : 7/28/2022 9:04 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 275	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_418

PLOT DATE : 7/28/2022 9:05 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



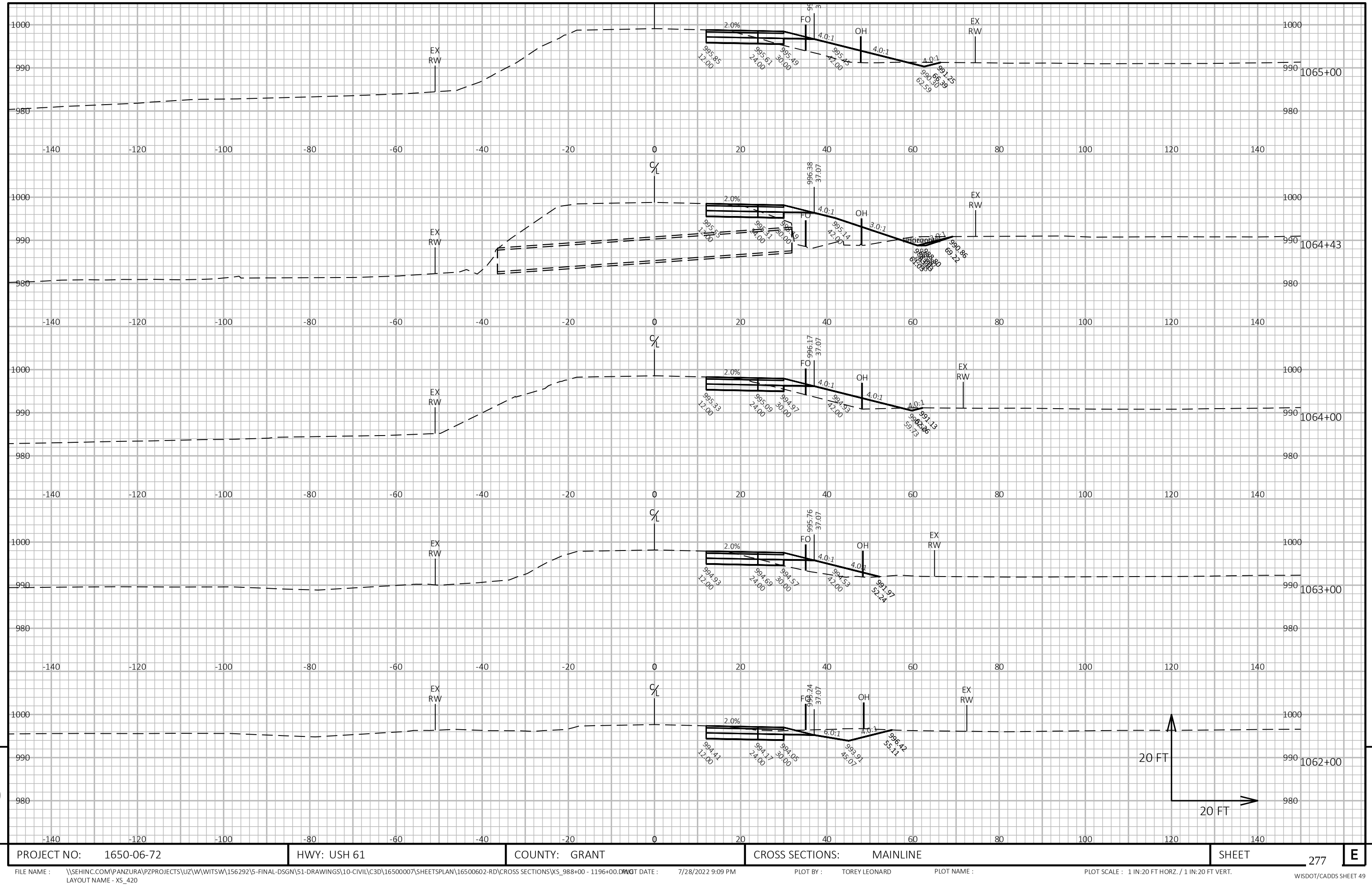
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 276	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_419

PLOT DATE : 7/28/2022 9:07 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 277	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_420

PLOT DATE : 7/28/2022 9:09 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 278	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_421

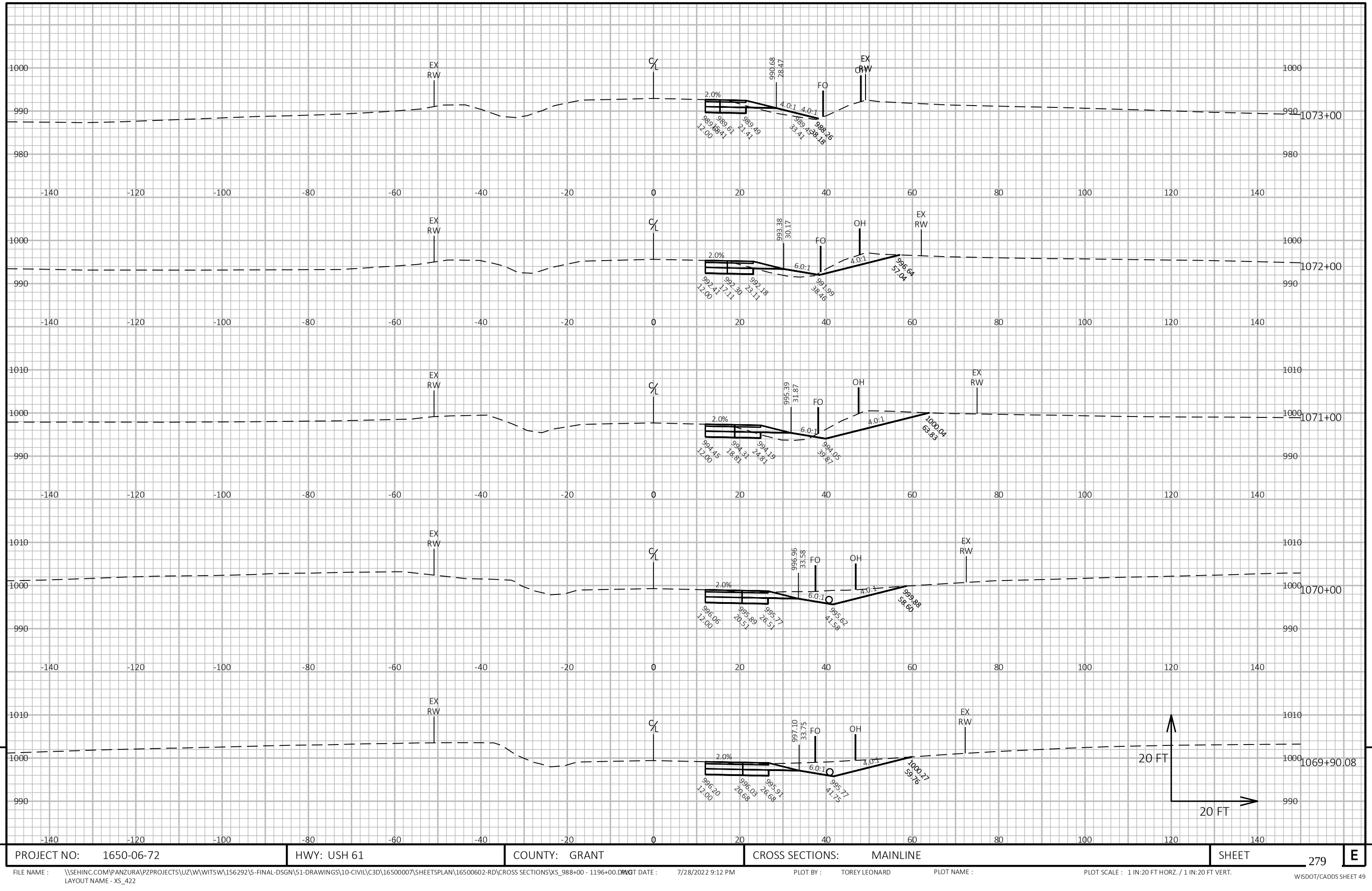
PLOT DATE : 7/28/2022 9:10 PM

PLOT BY : TOREY LEONARD

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

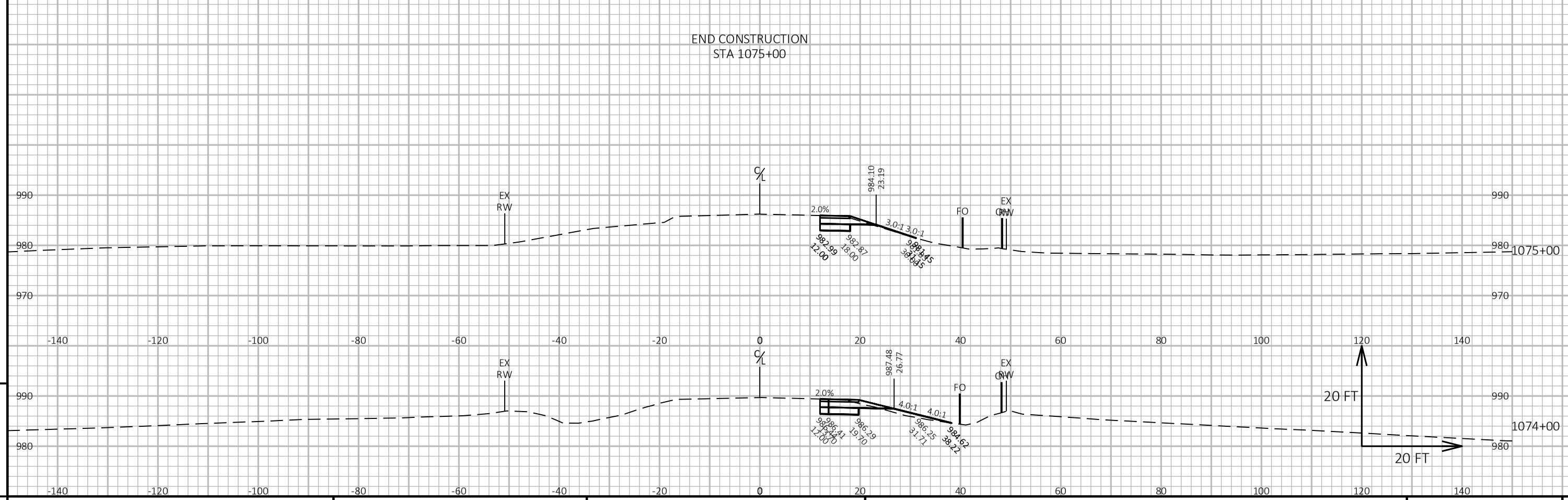
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 279	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_422

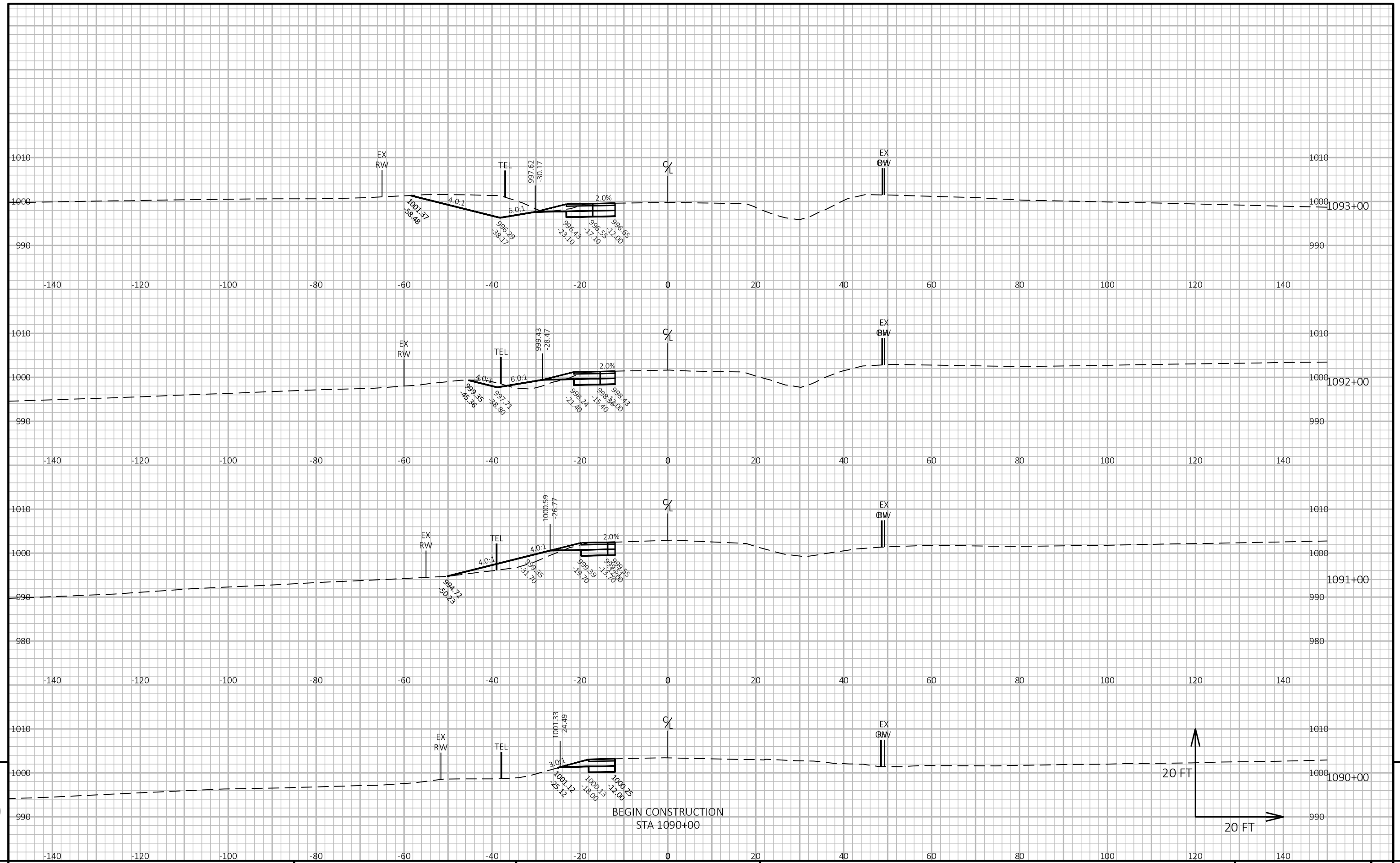
PLOT DATE : 7/28/2022 9:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

END CONSTRUCTION
STA 1075+00



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 280	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_423
PLOT DATE : 7/28/2022 9:13 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

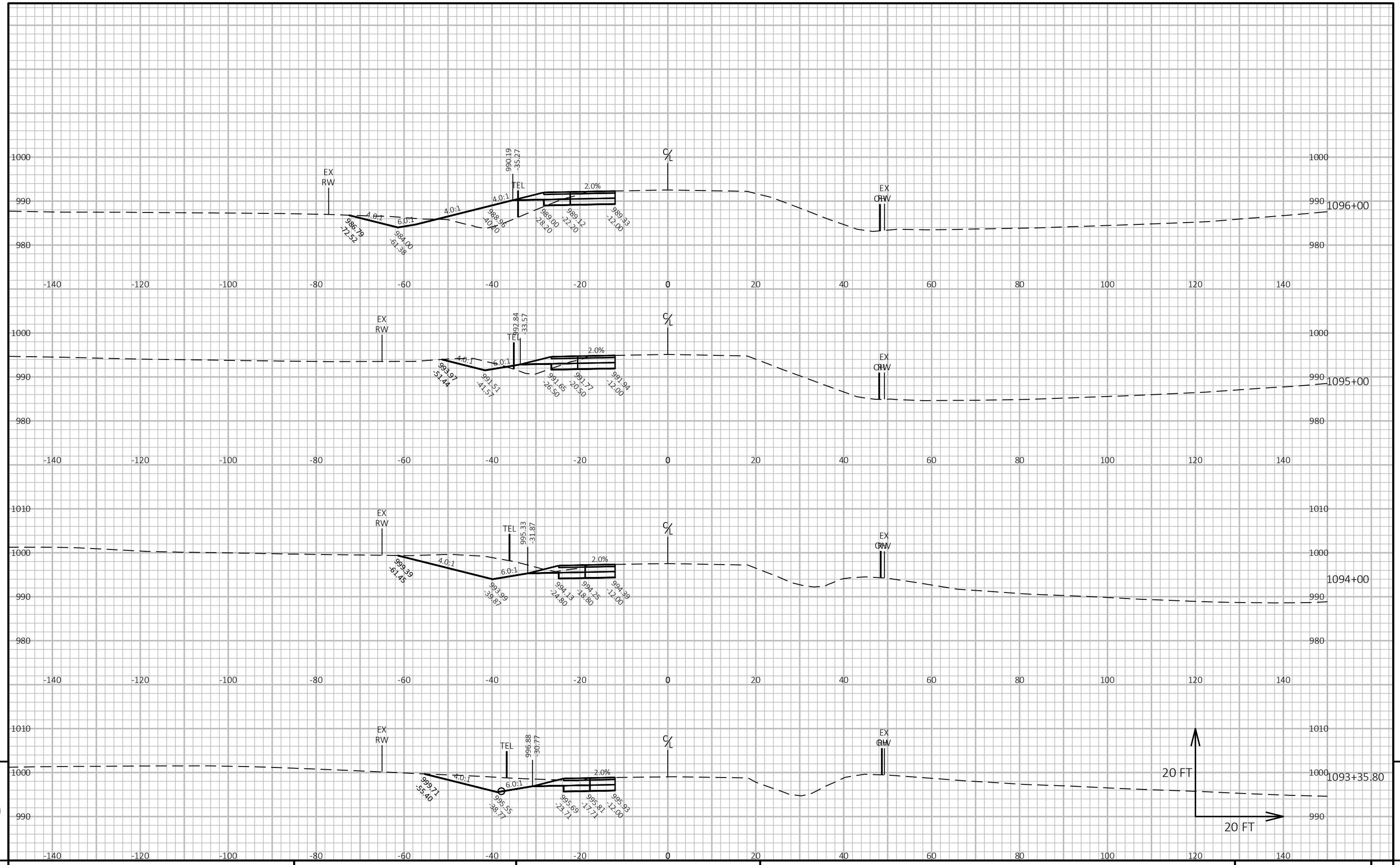


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 281	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-1
PLOT DATE : 10/27/2022 4:51 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

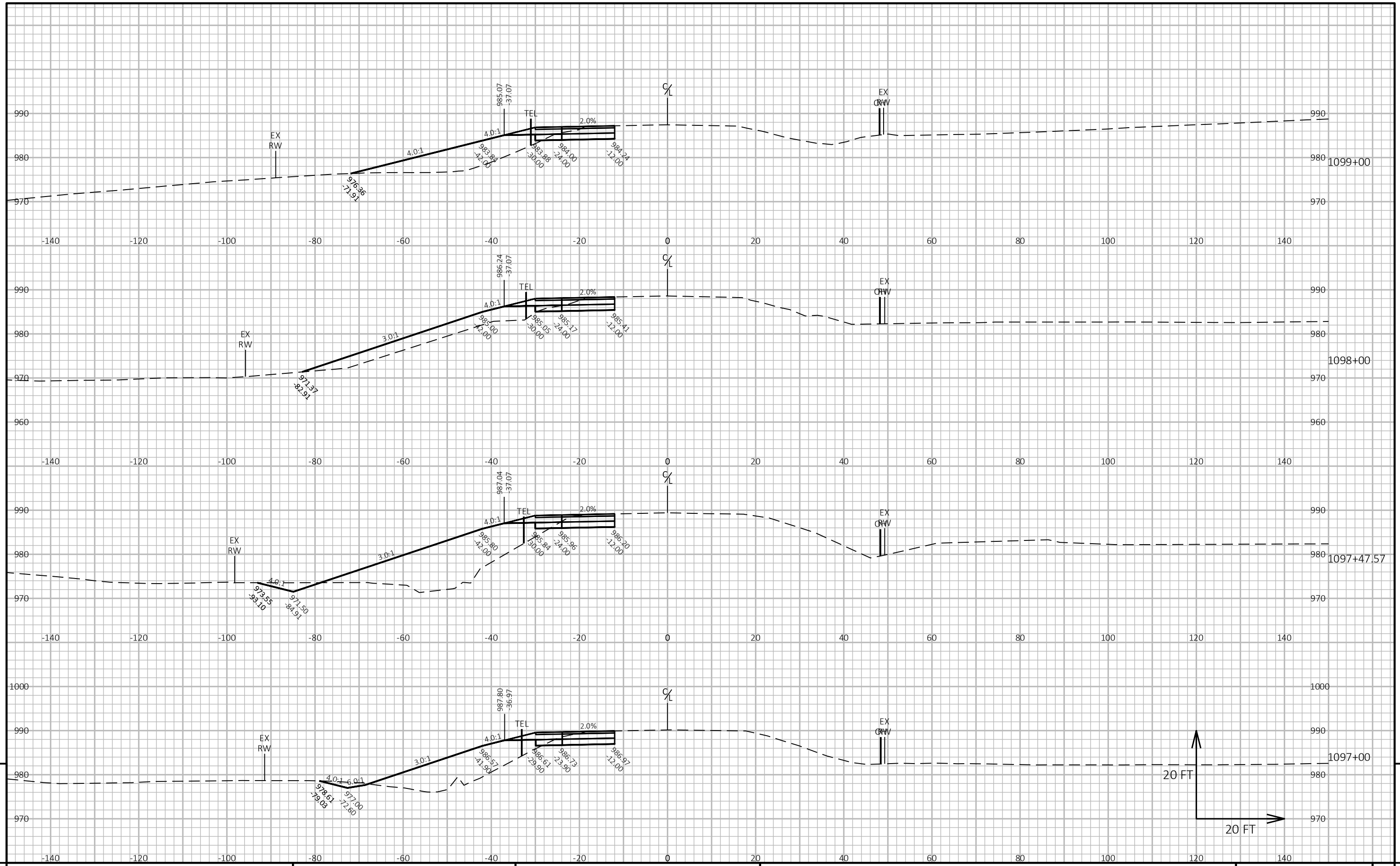


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 282	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-2
PLOT DATE : 10/27/2022 4:53 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

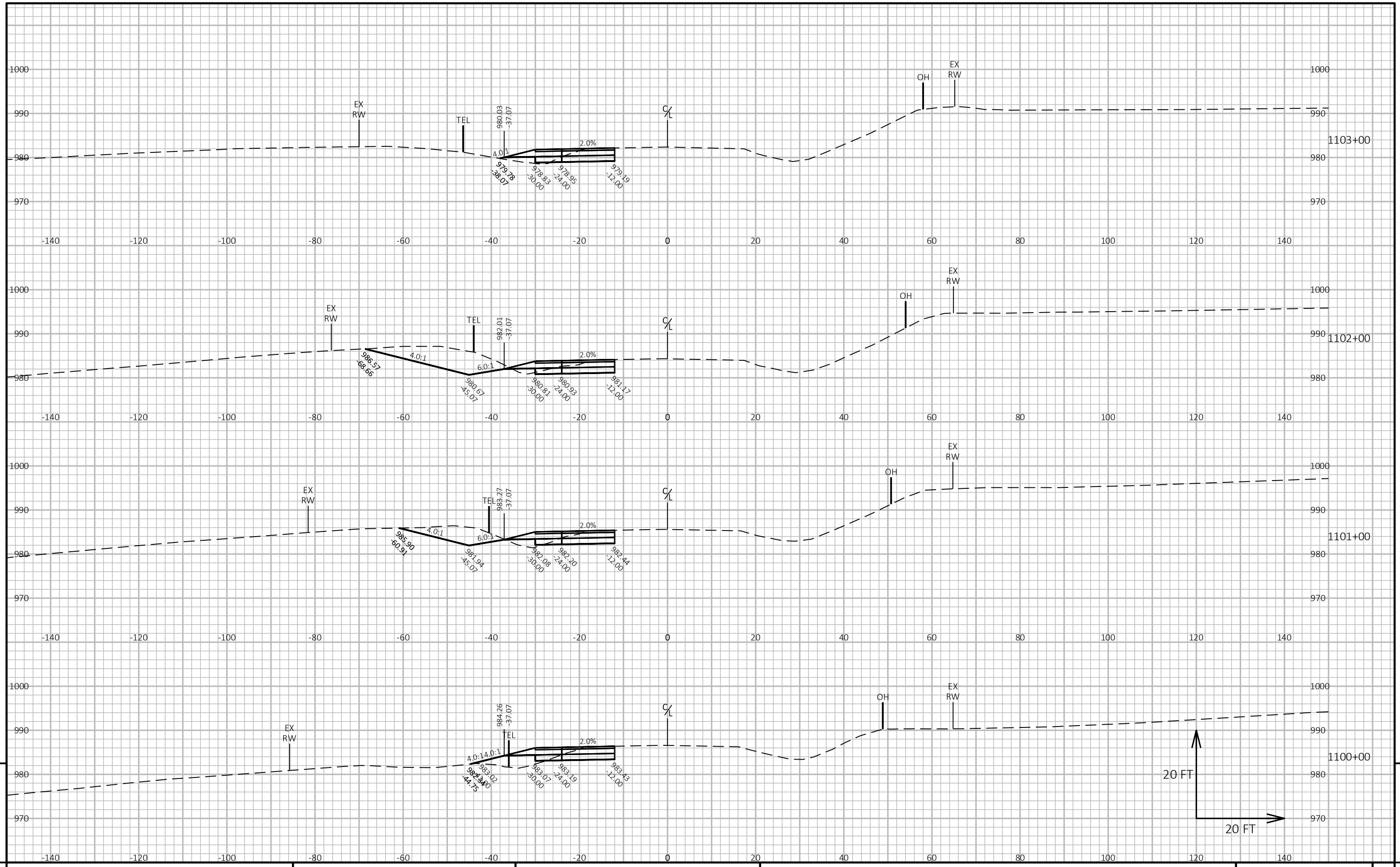
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 283	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-3

PLOT DATE : 10/27/2022 4:55 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

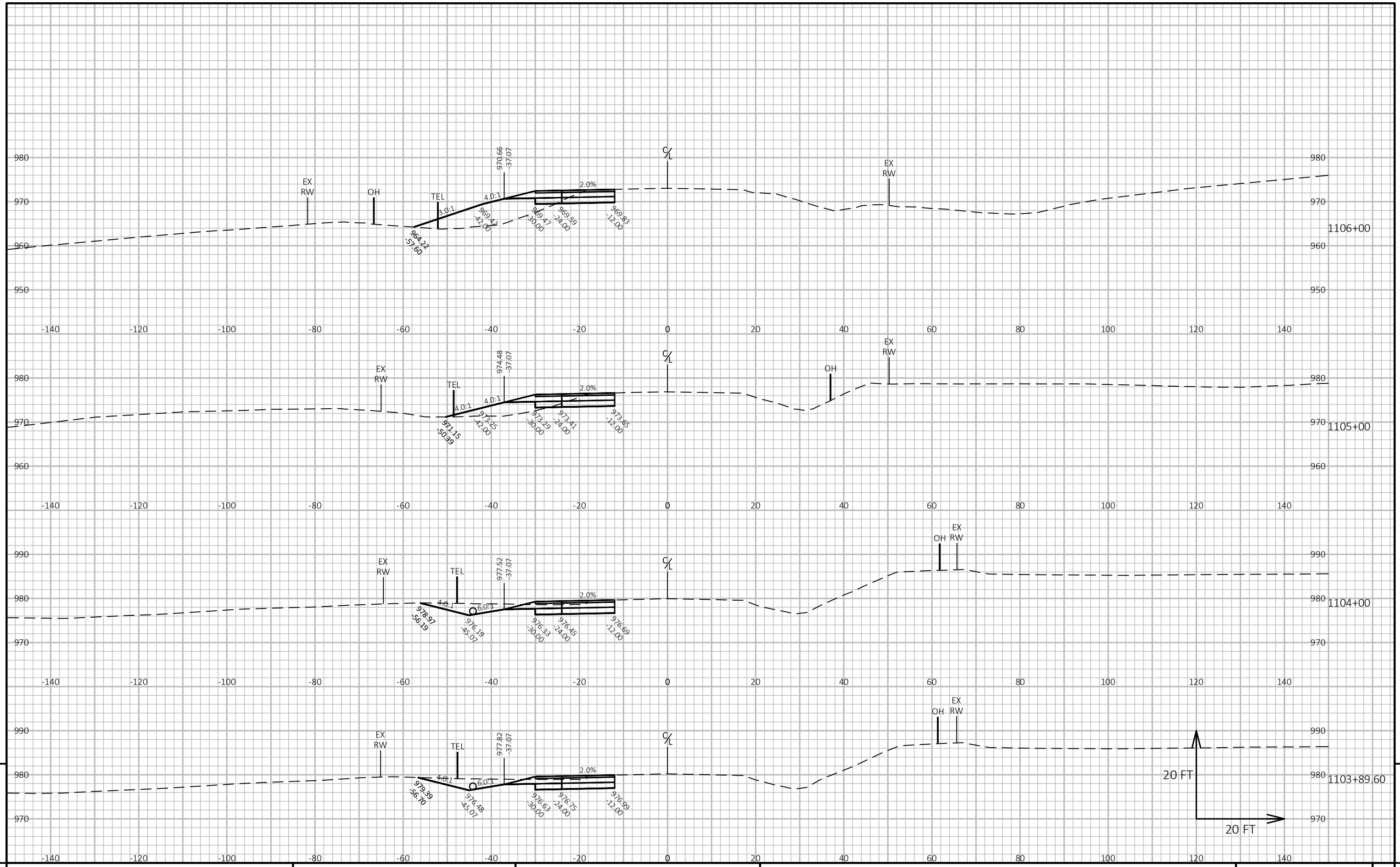
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 284	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-4

PLOT DATE : 10/27/2022 4:57 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

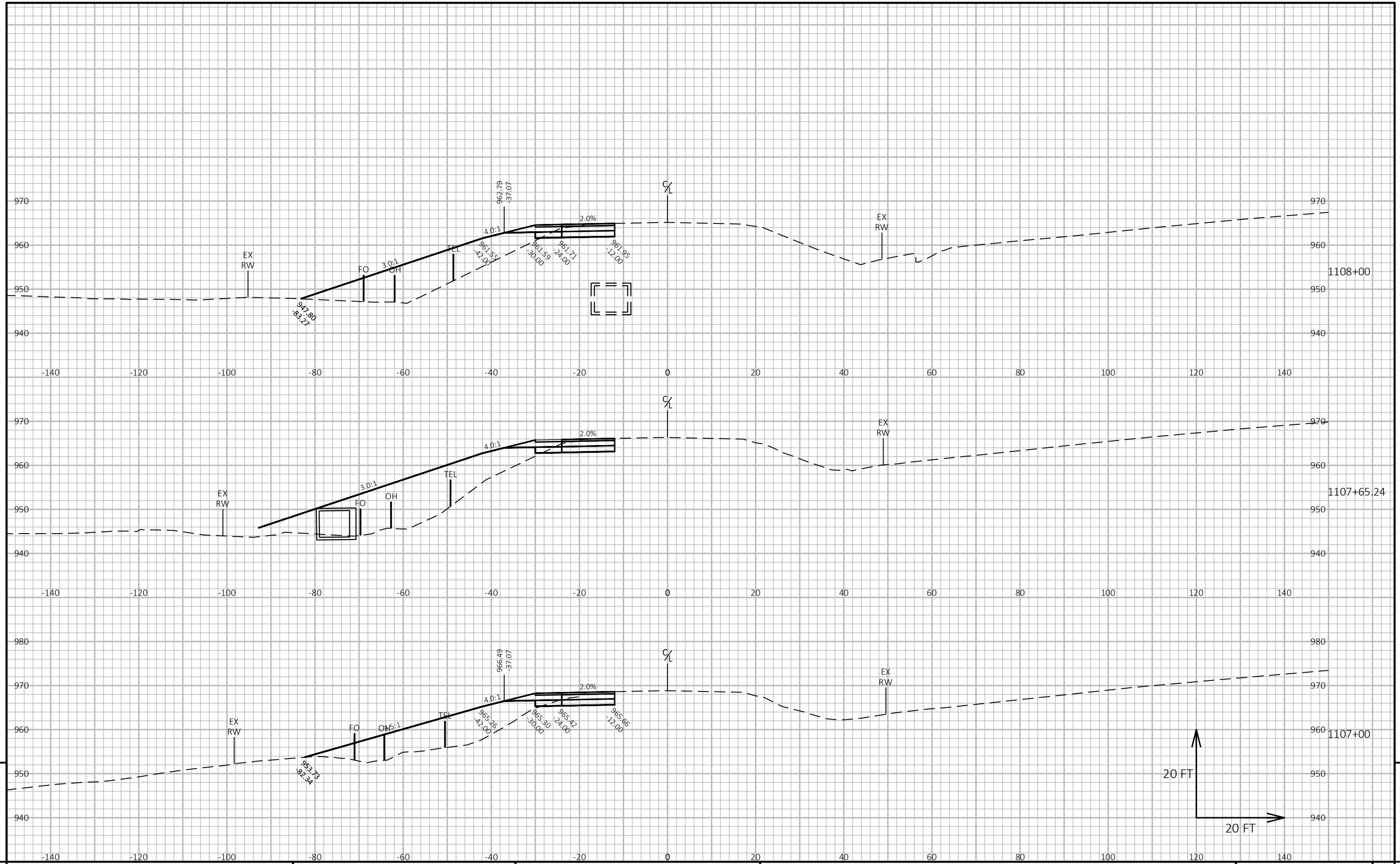
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 285	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-5

PLOT DATE : 10/27/2022 4:59 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

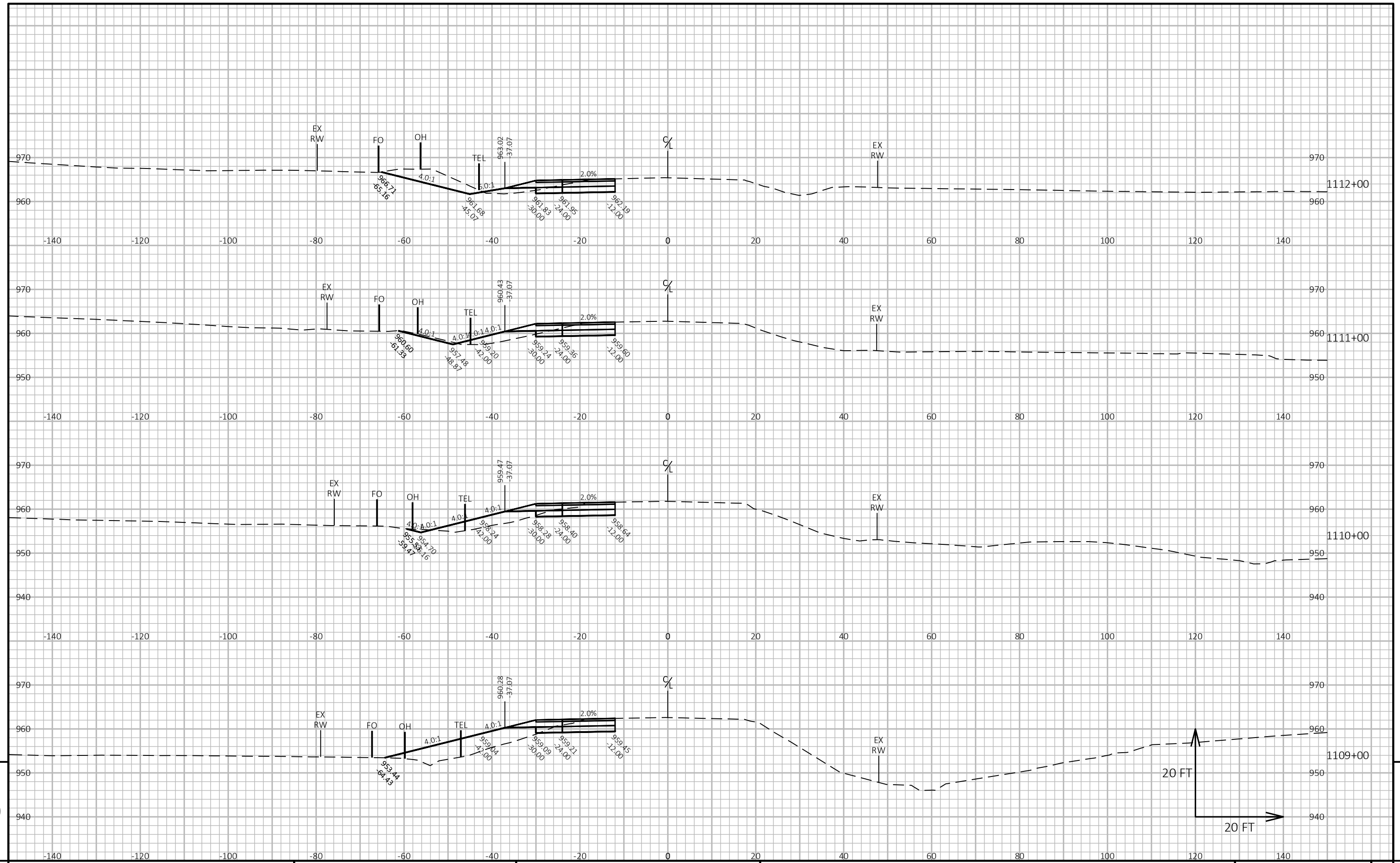
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 286	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-6
PLOT DATE : 10/27/2022 5:01 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

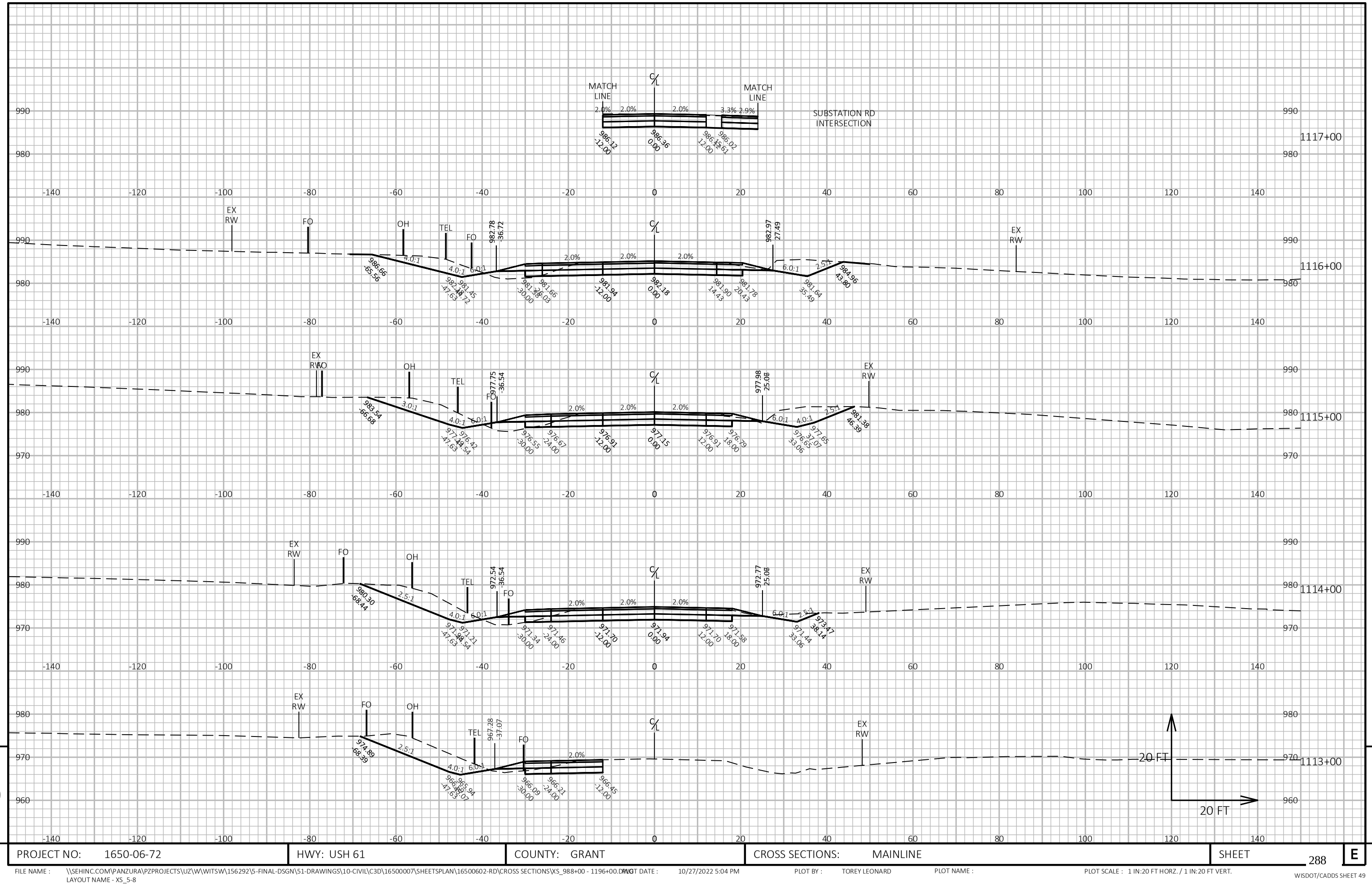
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 287	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-7
PLOT DATE : 10/27/2022 5:02 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

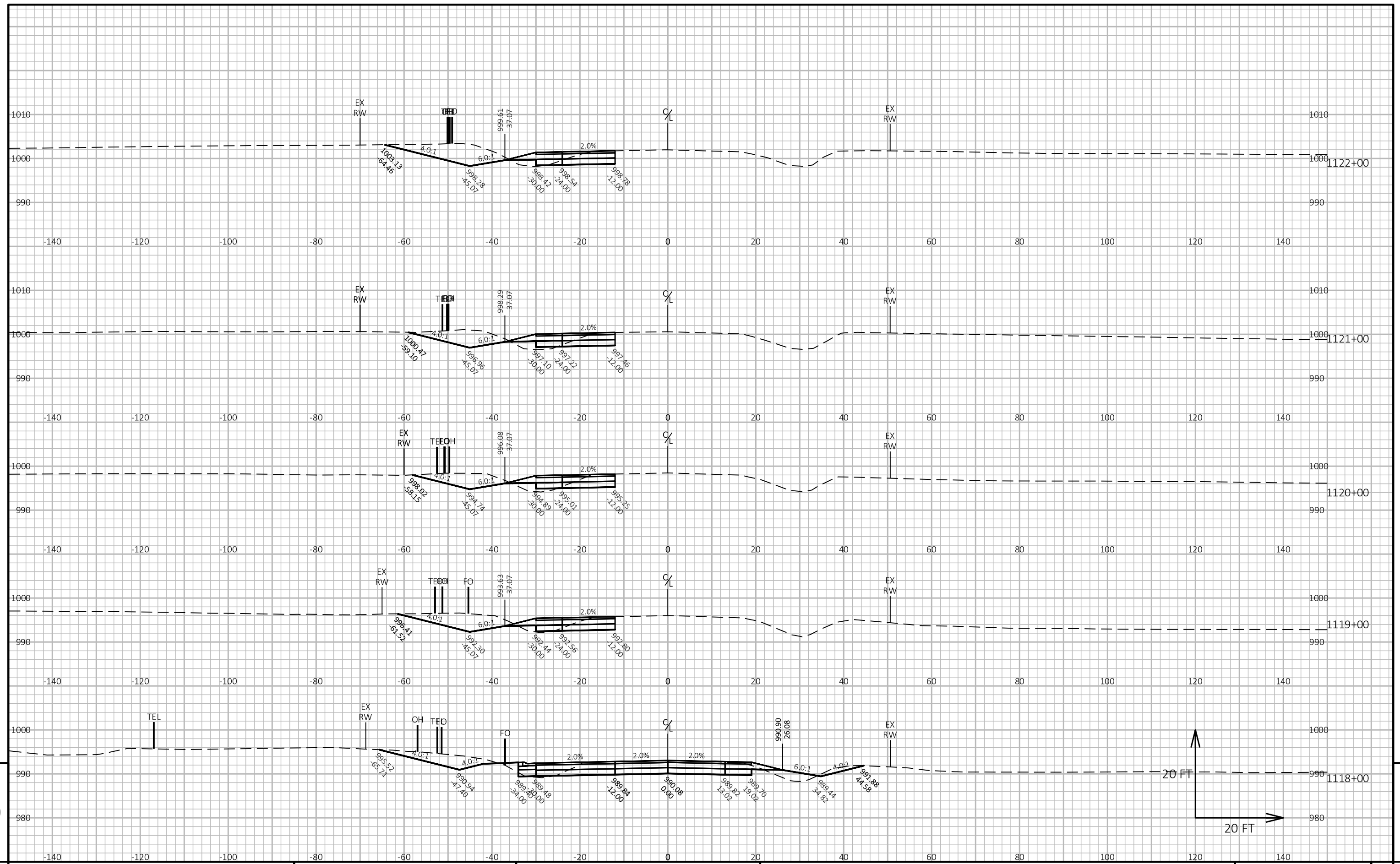


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 288	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-8

PLOT DATE : 10/27/2022 5:04 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

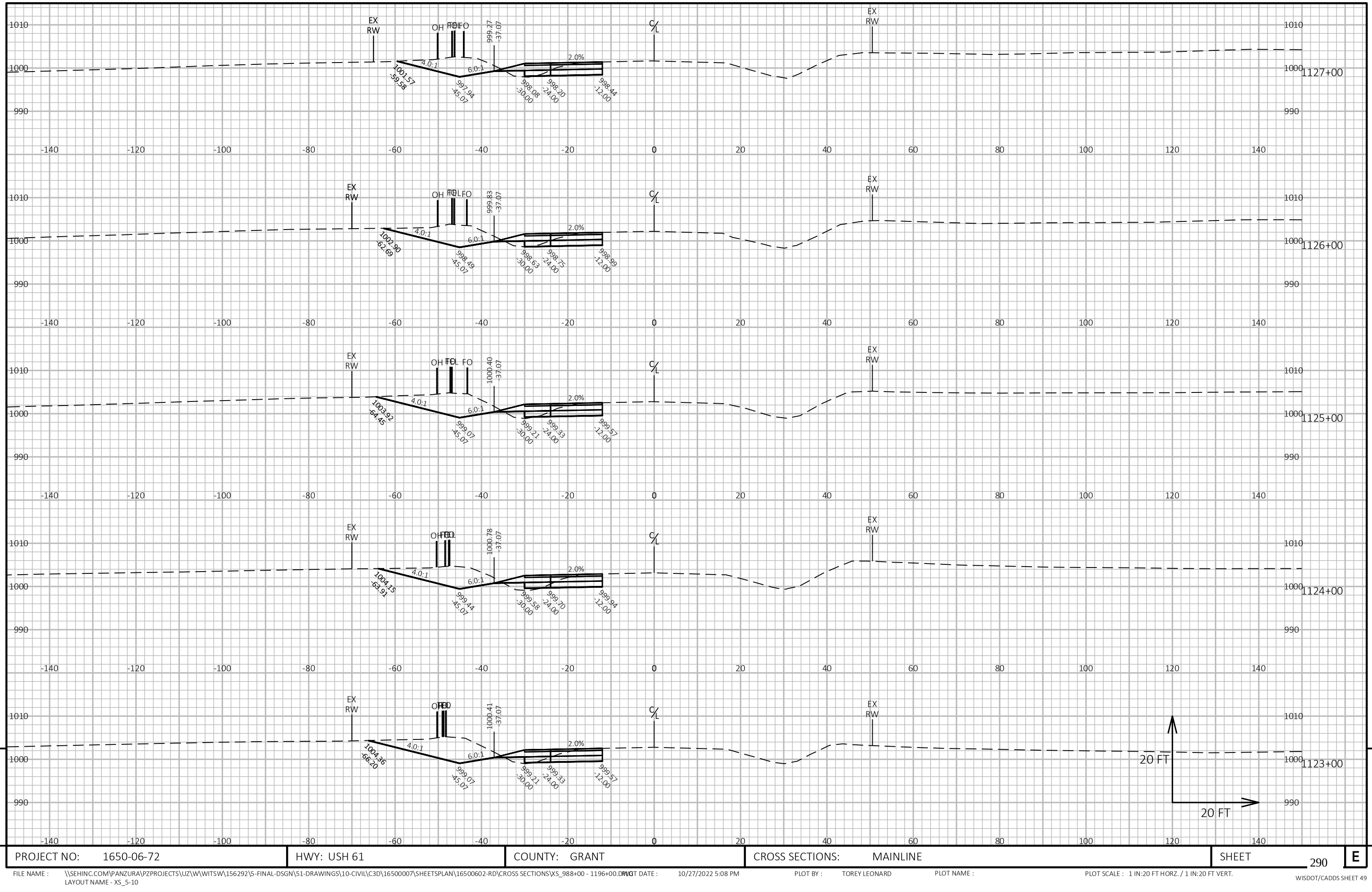
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 289	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-9

PLOT DATE : 10/27/2022 5:06 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

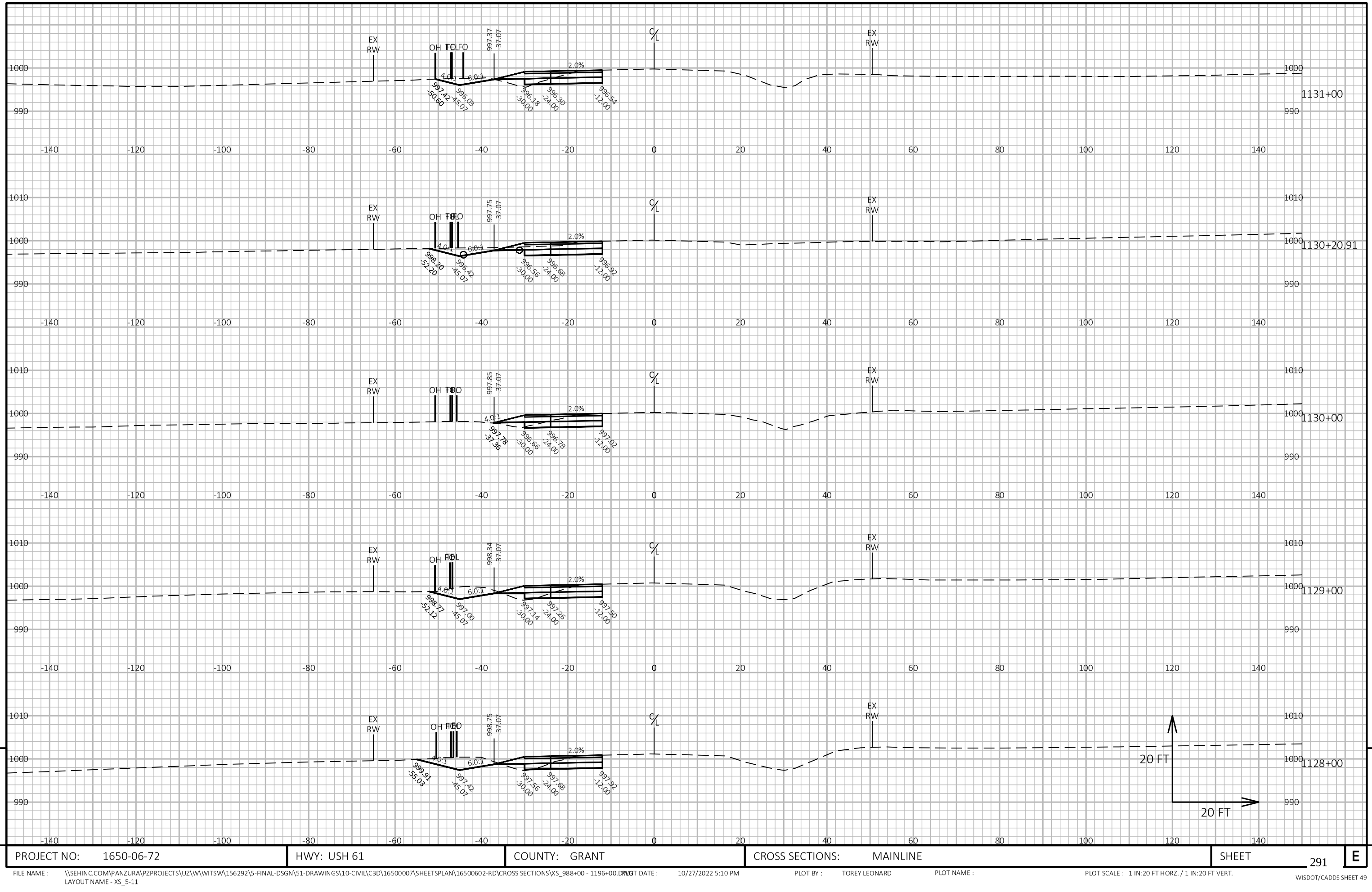
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 290	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-10

PLOT DATE : 10/27/2022 5:08 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 291	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-11

PLOT DATE : 10/27/2022 5:10 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



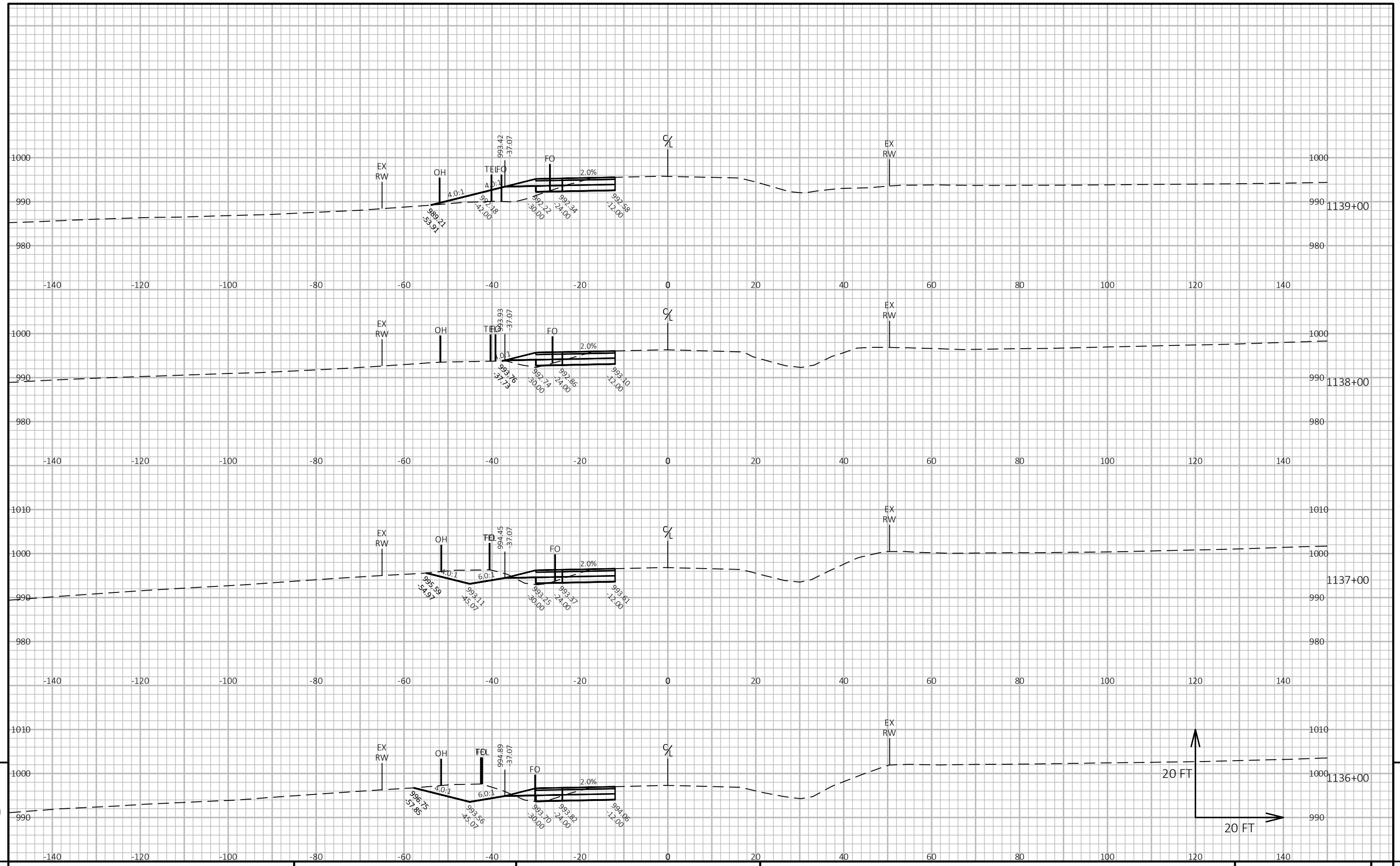
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 292	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-12

PLOT DATE : 10/27/2022 5:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

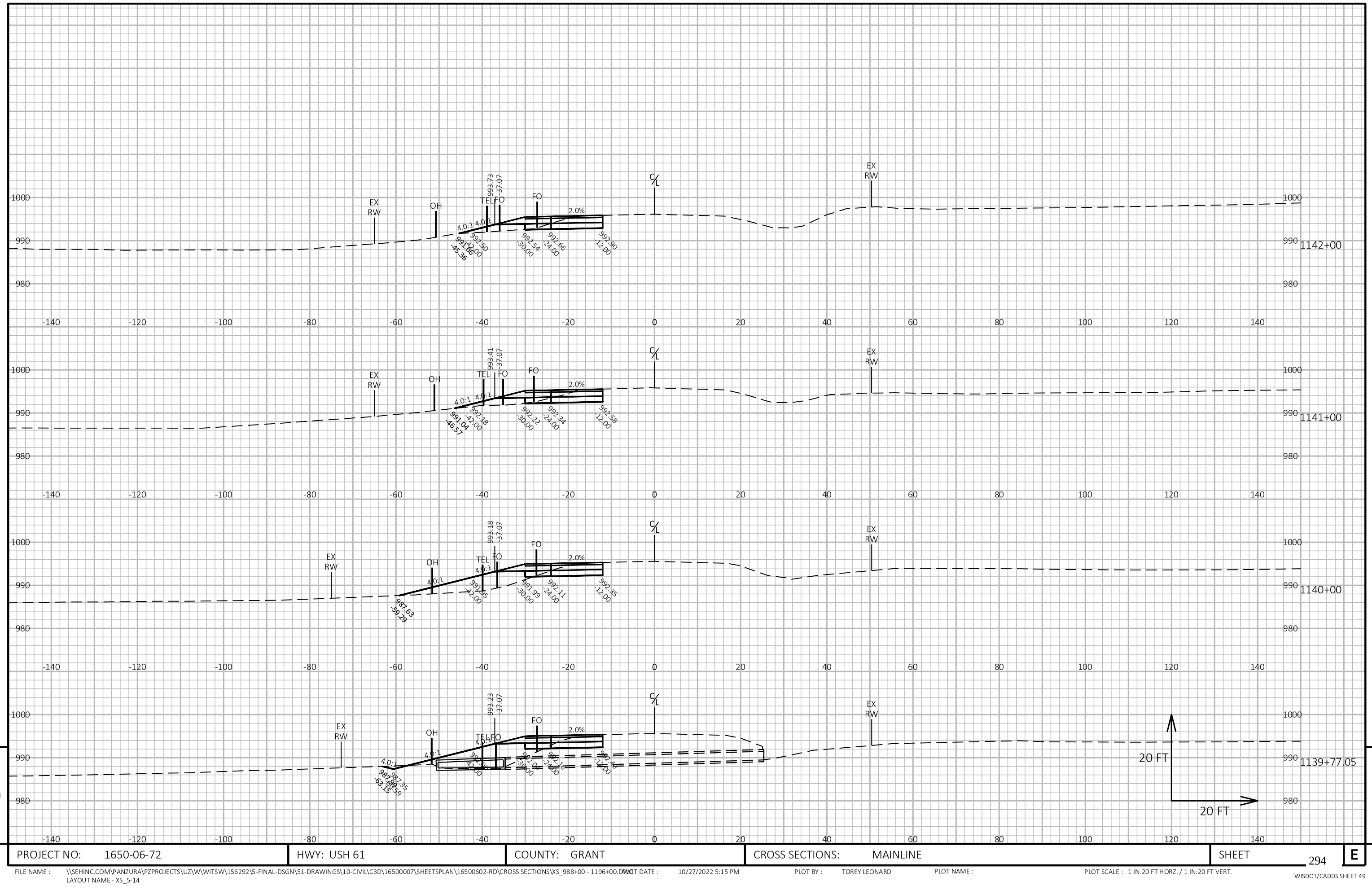


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 293	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-13
PLOT DATE : 10/27/2022 5:14 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 294	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-14

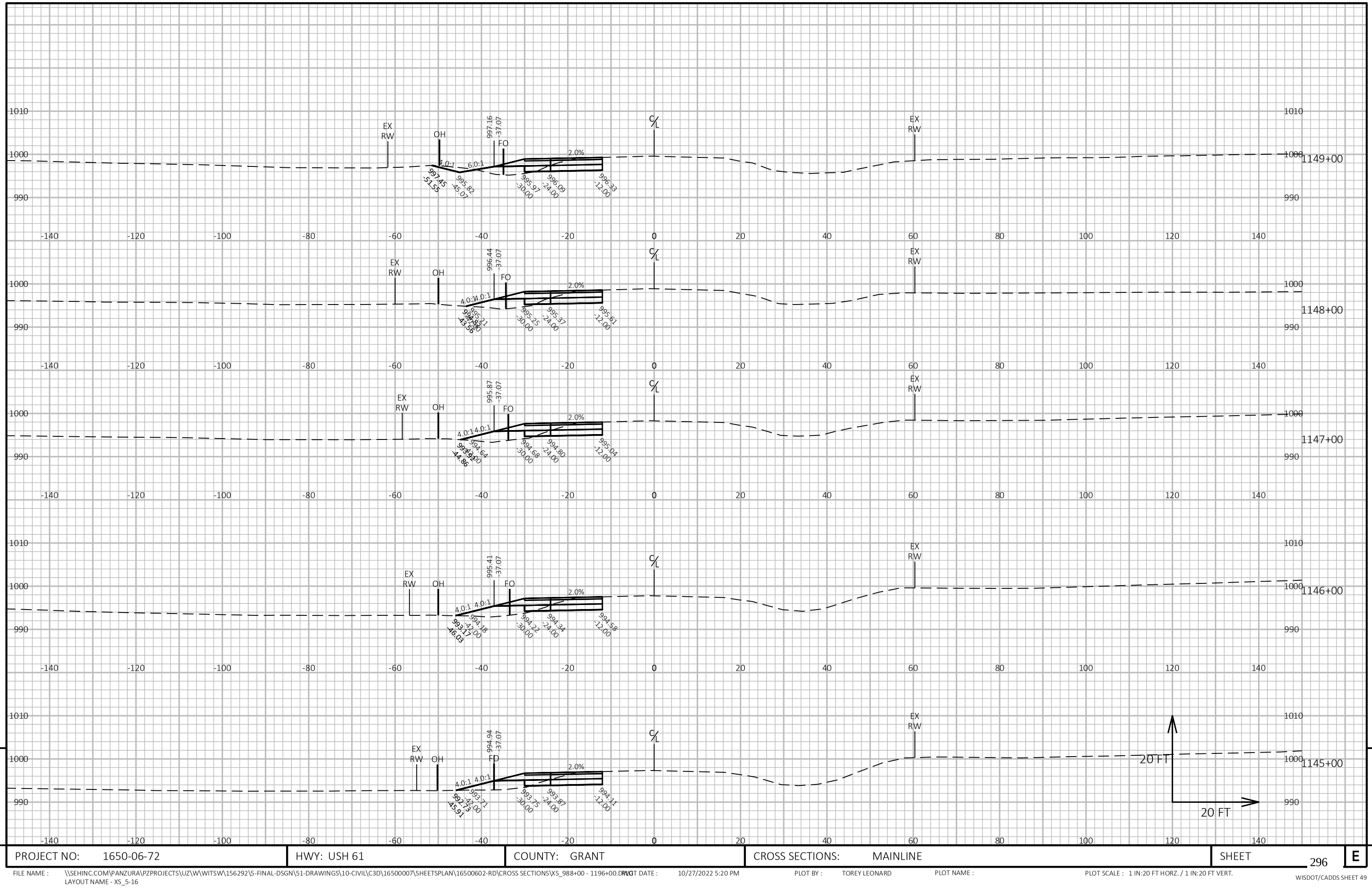
PLOT DATE : 10/27/2022 5:15 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 295 E

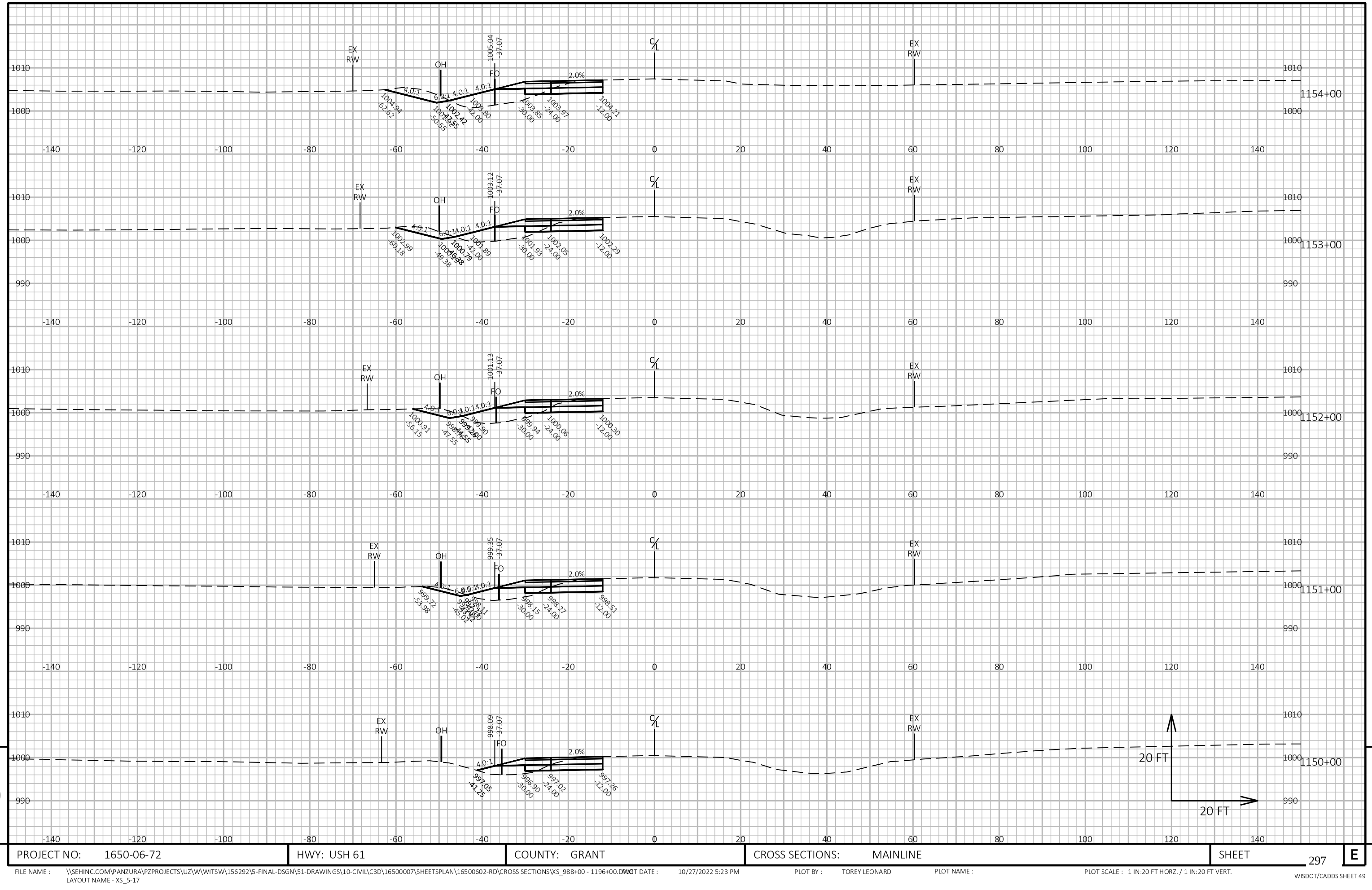
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-15
PLOT DATE : 10/27/2022 5:17 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9 9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 296	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-16
PLOT DATE : 10/27/2022 5:20 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 297	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-17
PLOT DATE : 10/27/2022 5:23 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

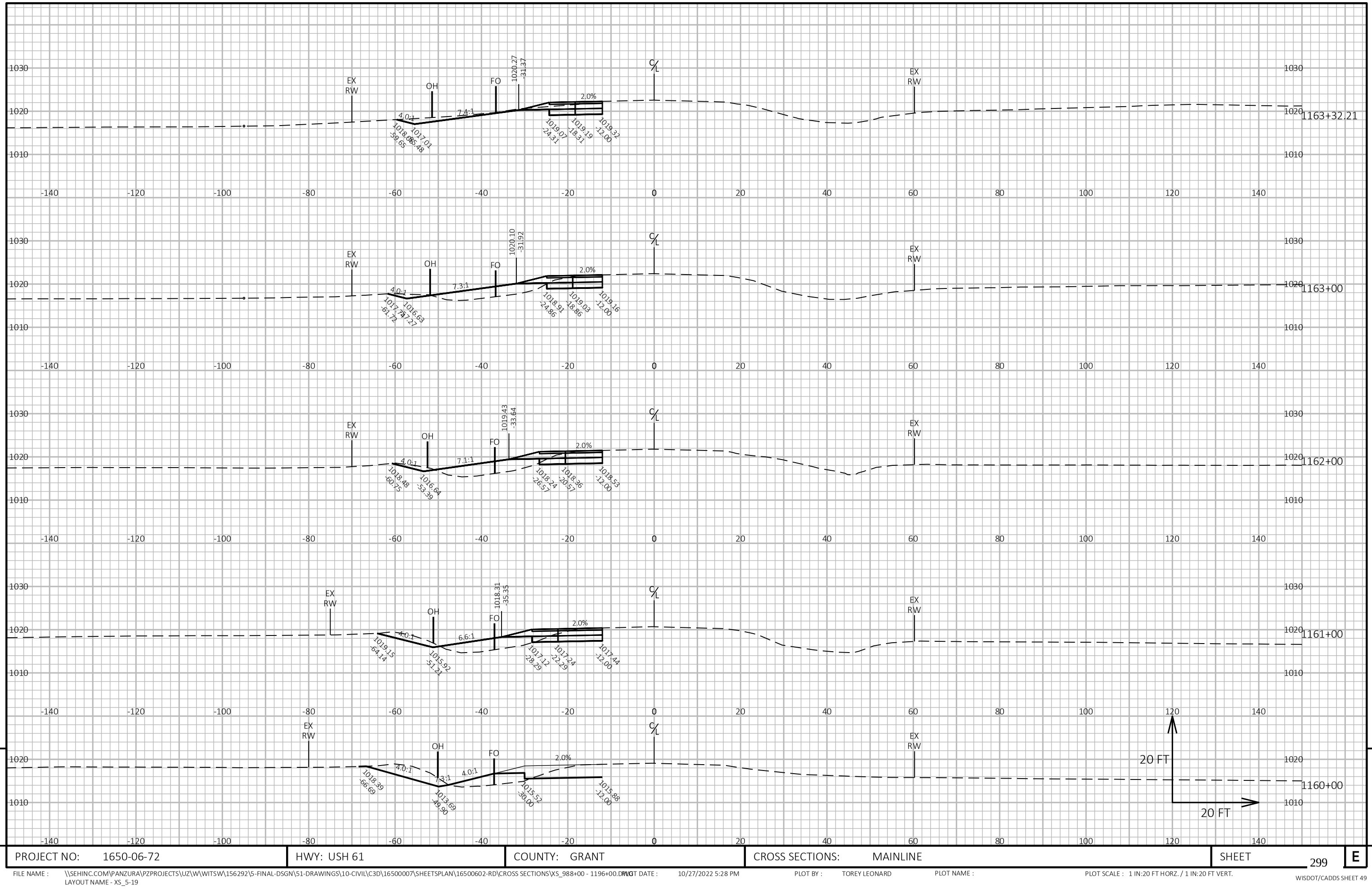


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 298	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-18
PLOT DATE : 10/27/2022 5:25 PM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

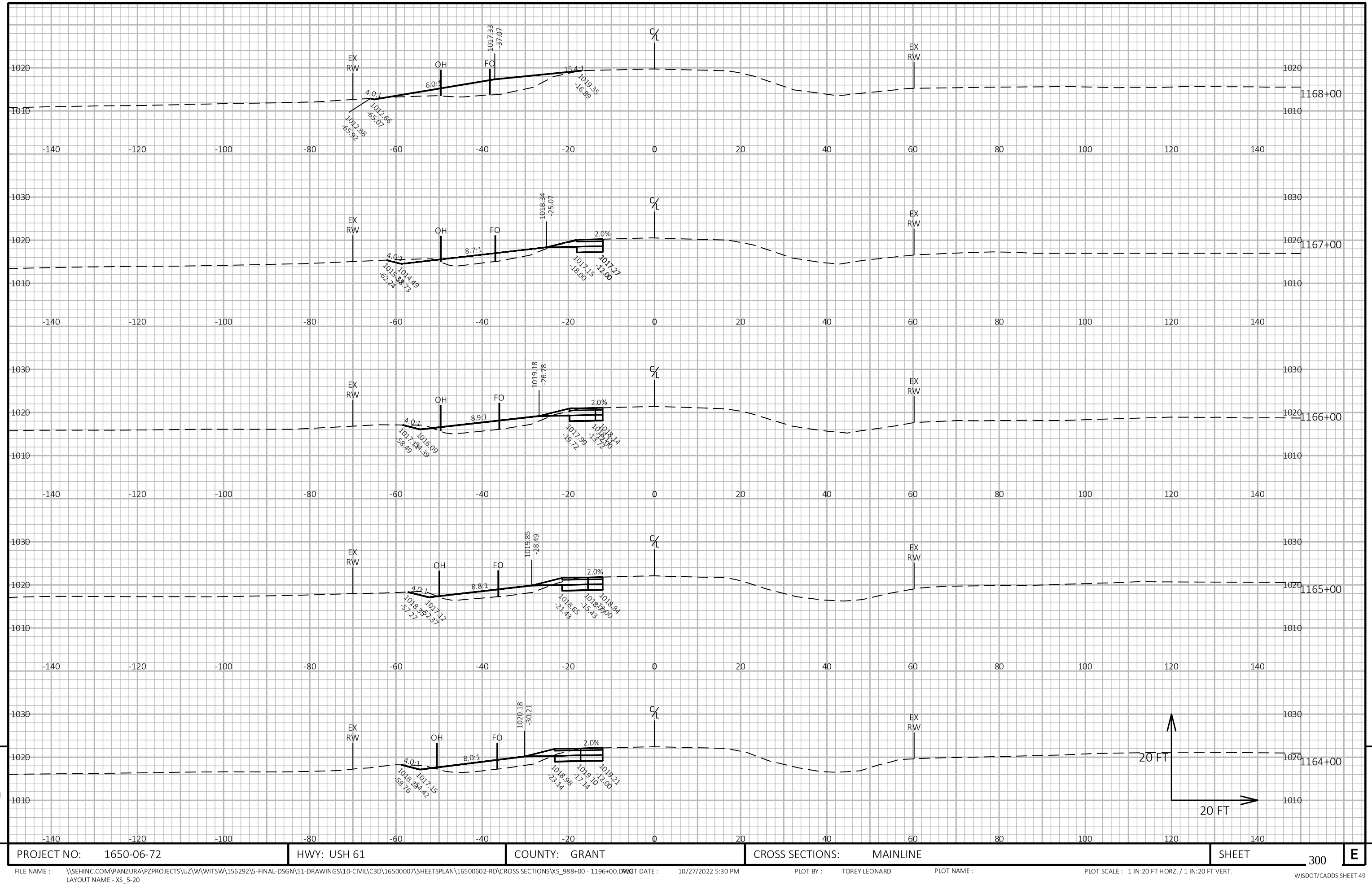
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 299	E

9

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-19

PLOT DATE : 10/27/2022 5:28 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

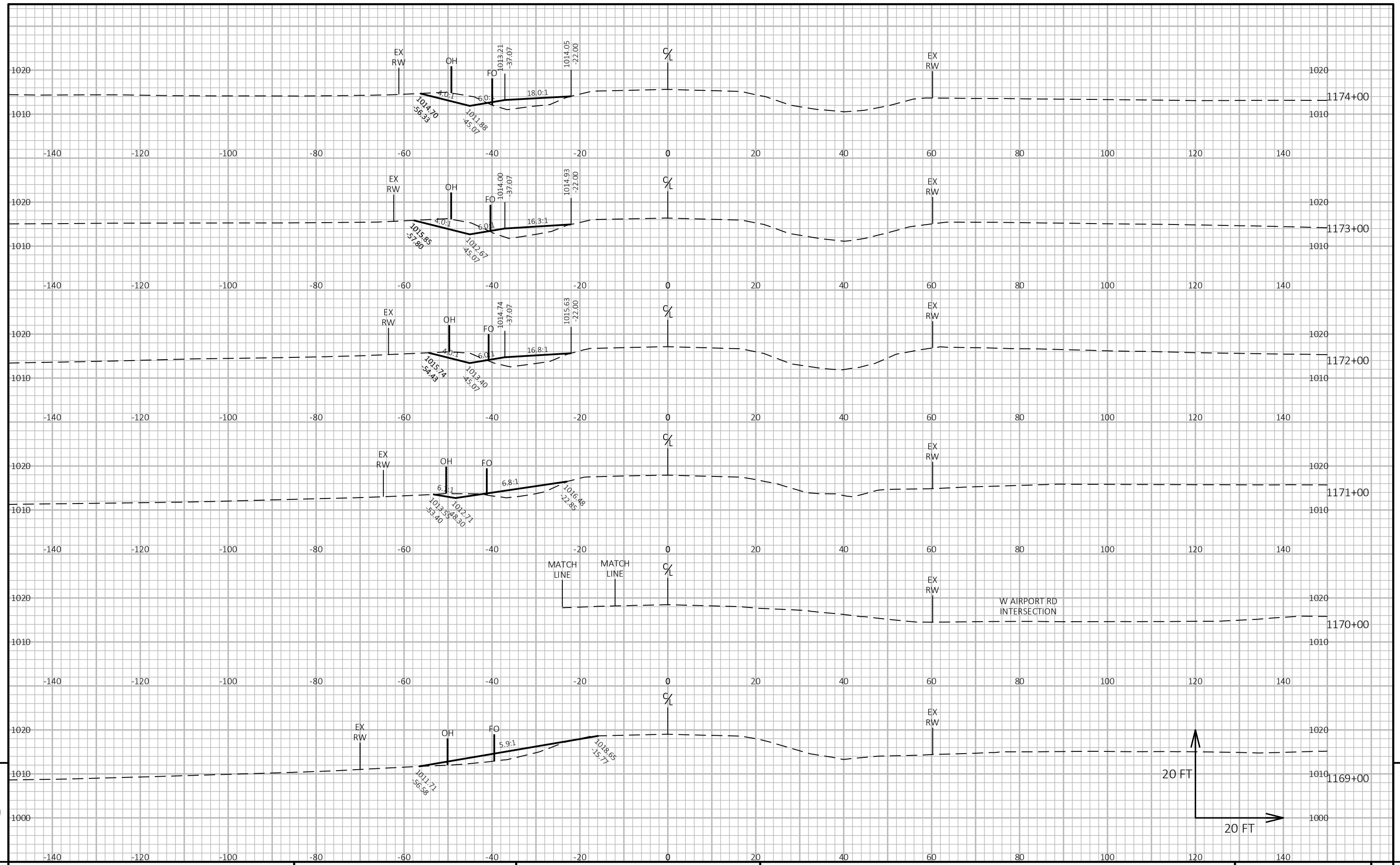
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 300 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-20
PLOT DATE : 10/27/2022 5:30 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

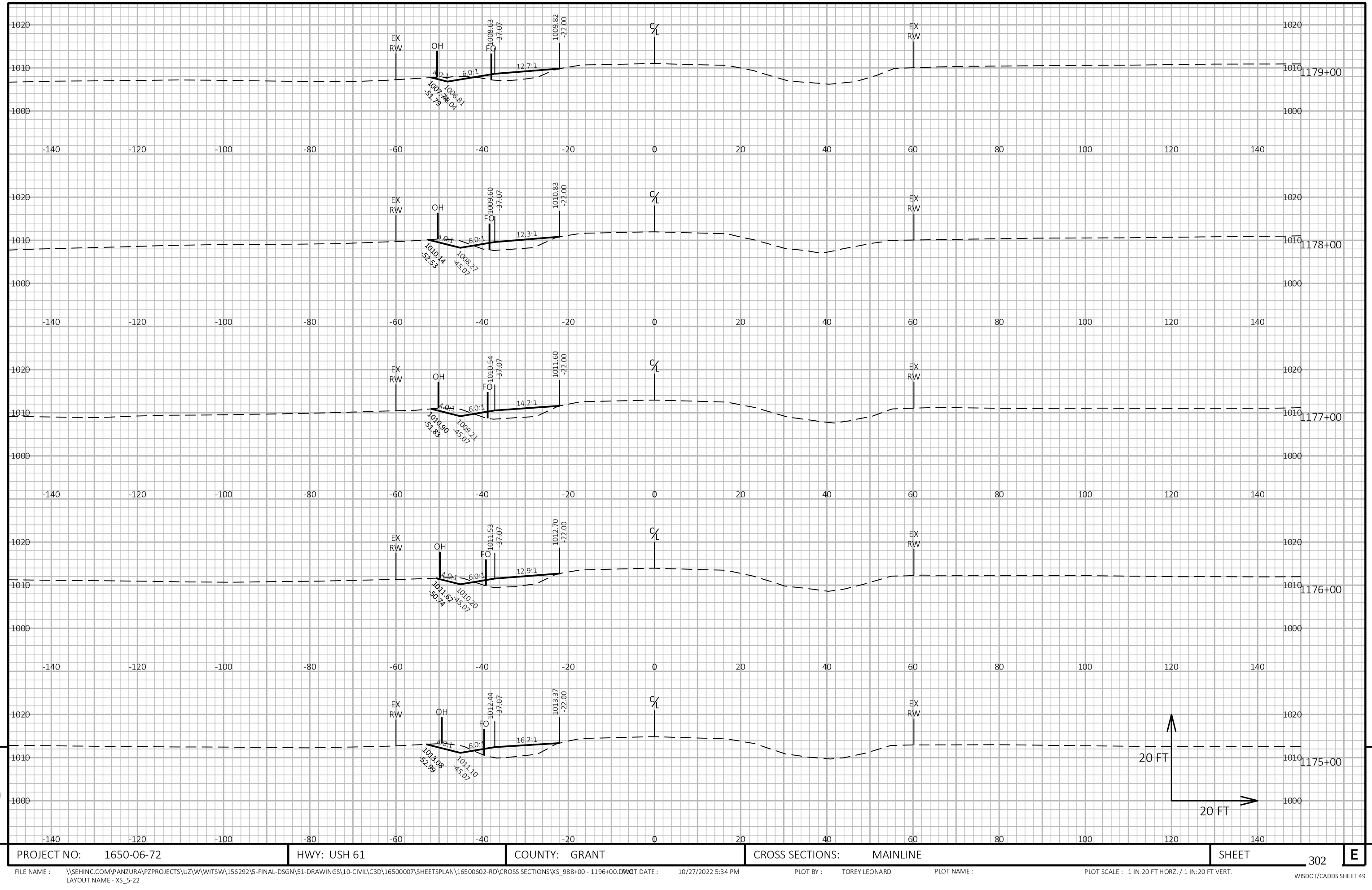
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 301	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-21

PLOT DATE : 10/27/2022 5:32 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

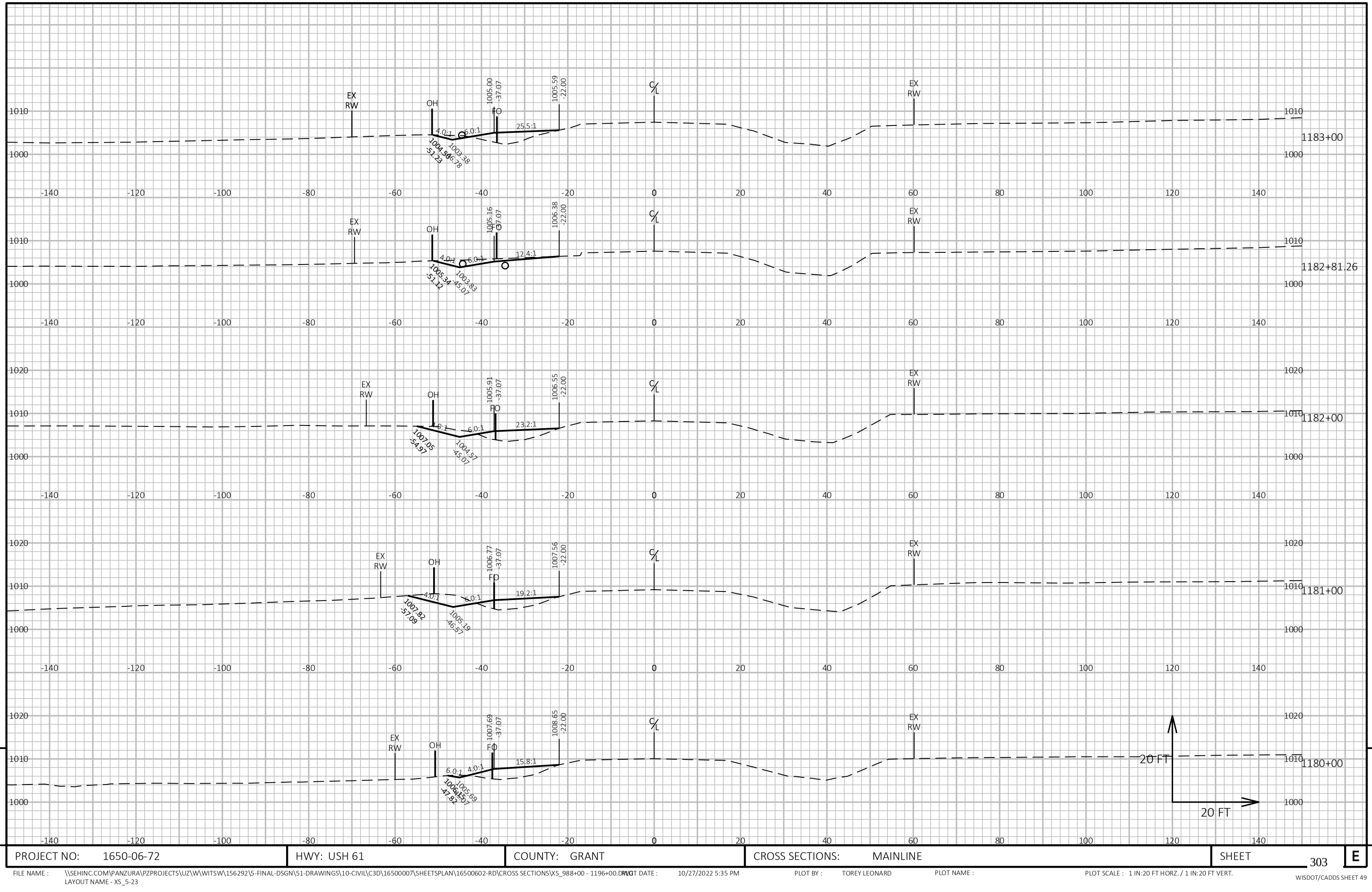
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 302	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-22

PLOT DATE : 10/27/2022 5:34 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



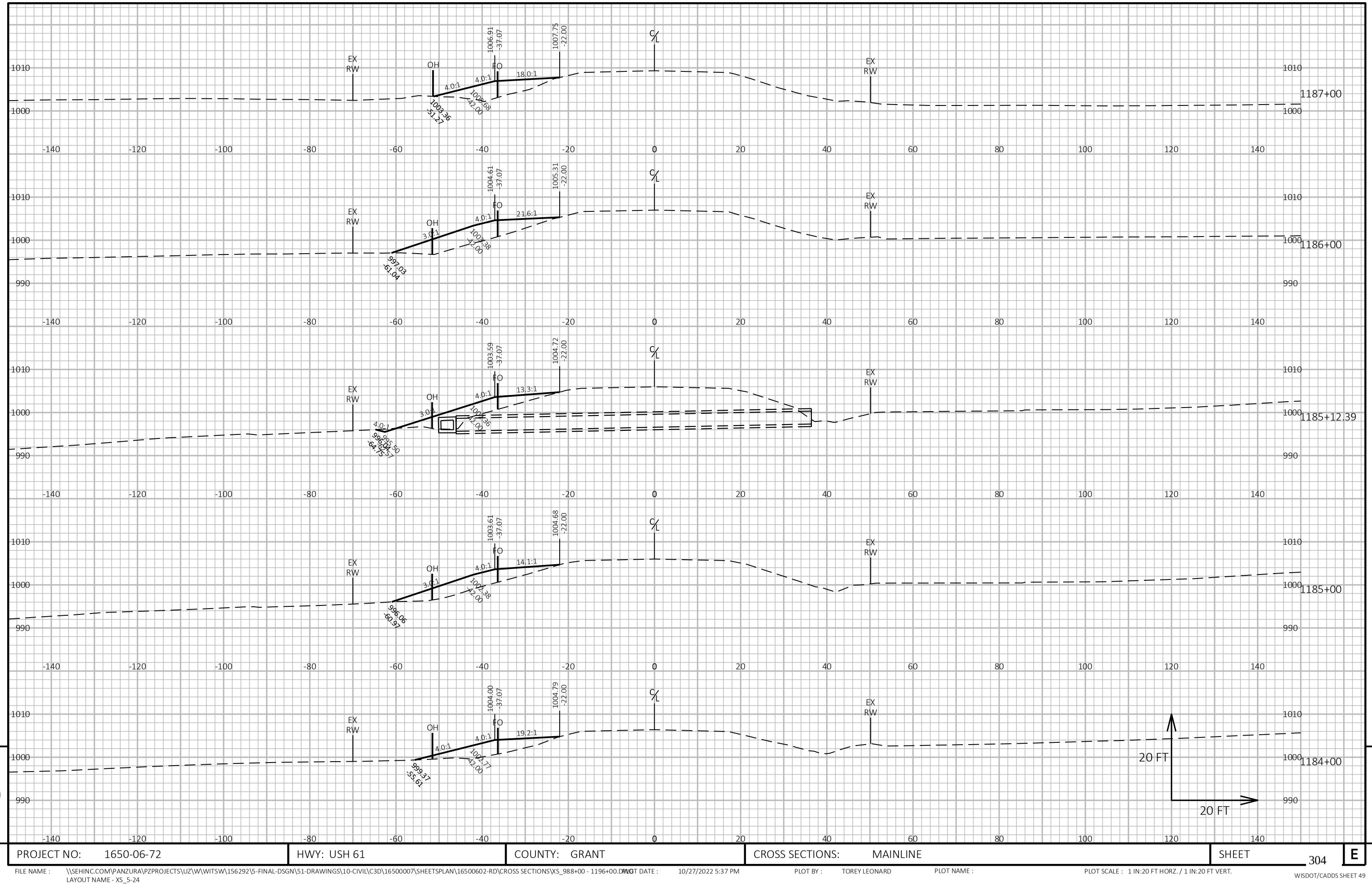
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 303	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-23

PLOT DATE : 10/27/2022 5:35 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



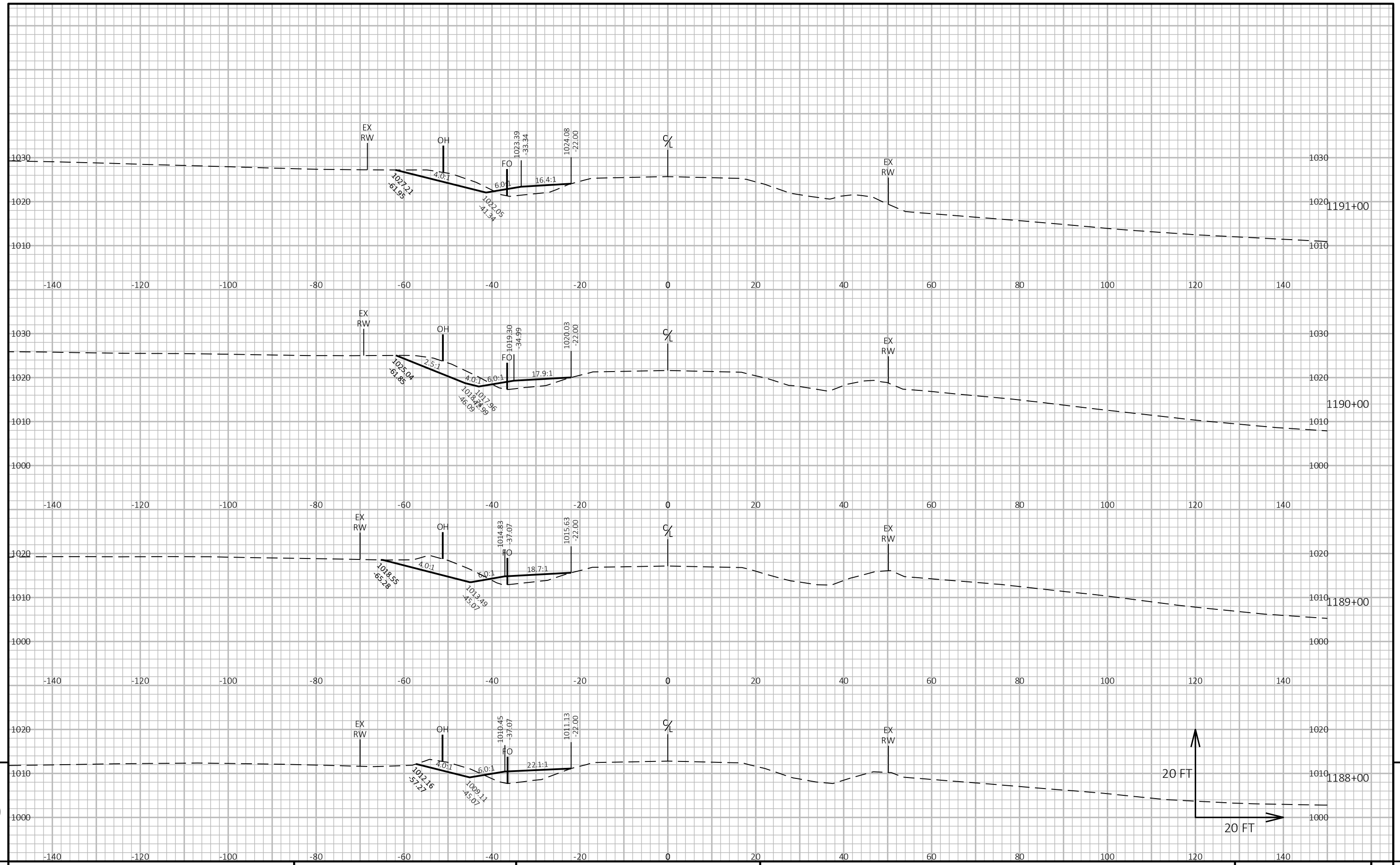
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 304	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-24

PLOT DATE : 10/27/2022 5:37 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

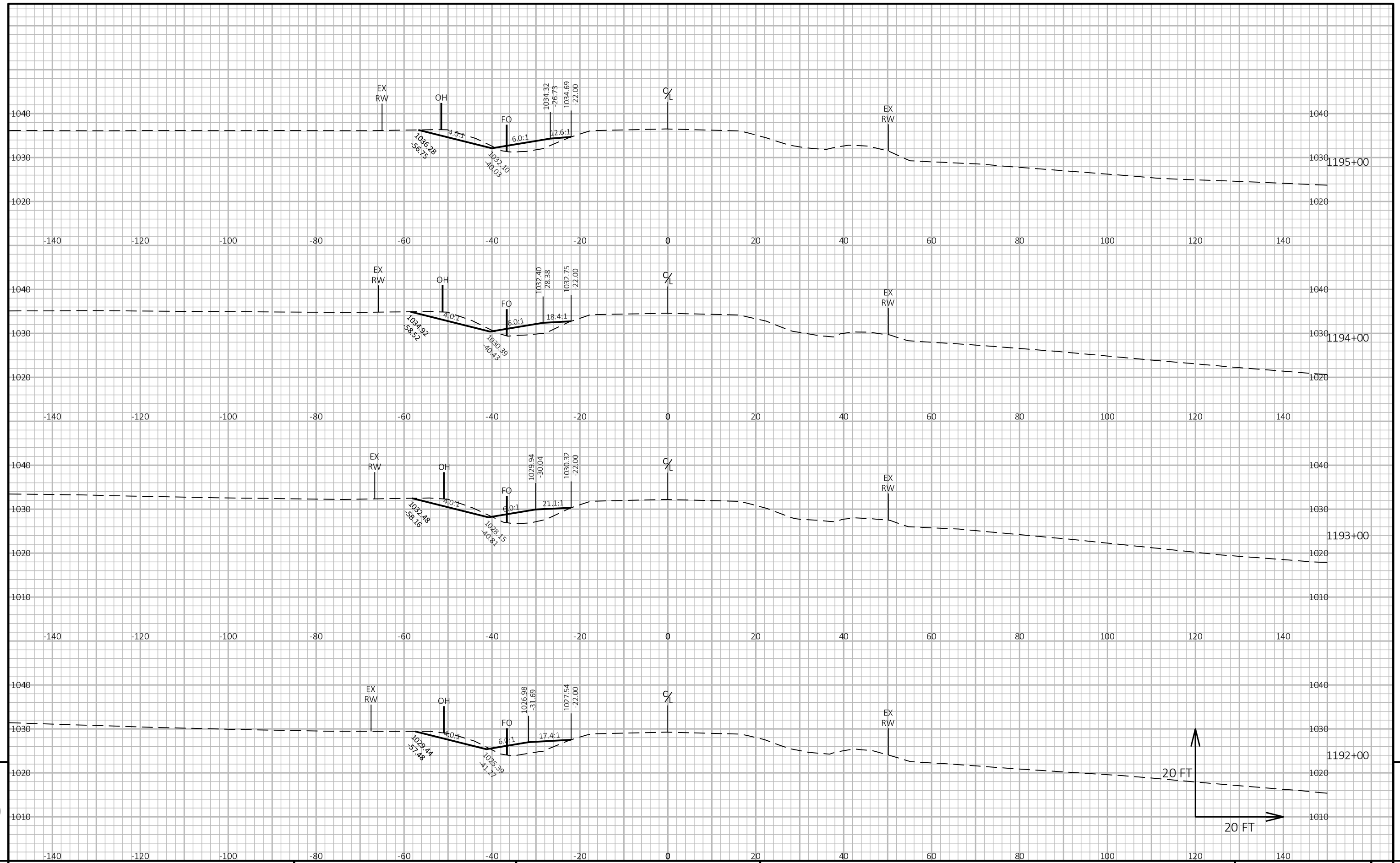
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 305	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-25

PLOT DATE : 10/27/2022 5:39 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

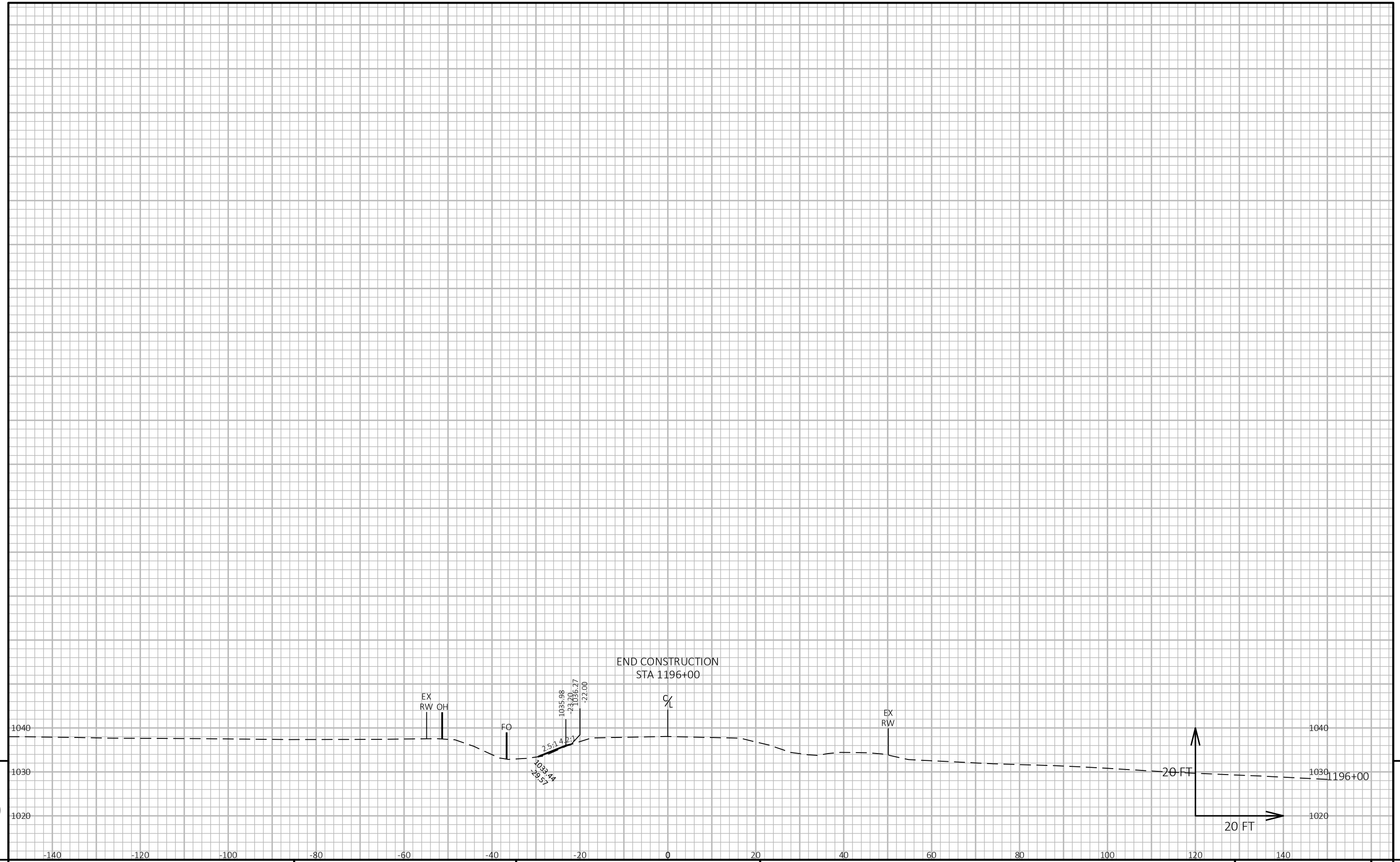
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 306	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-26

PLOT DATE : 10/27/2022 5:41 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

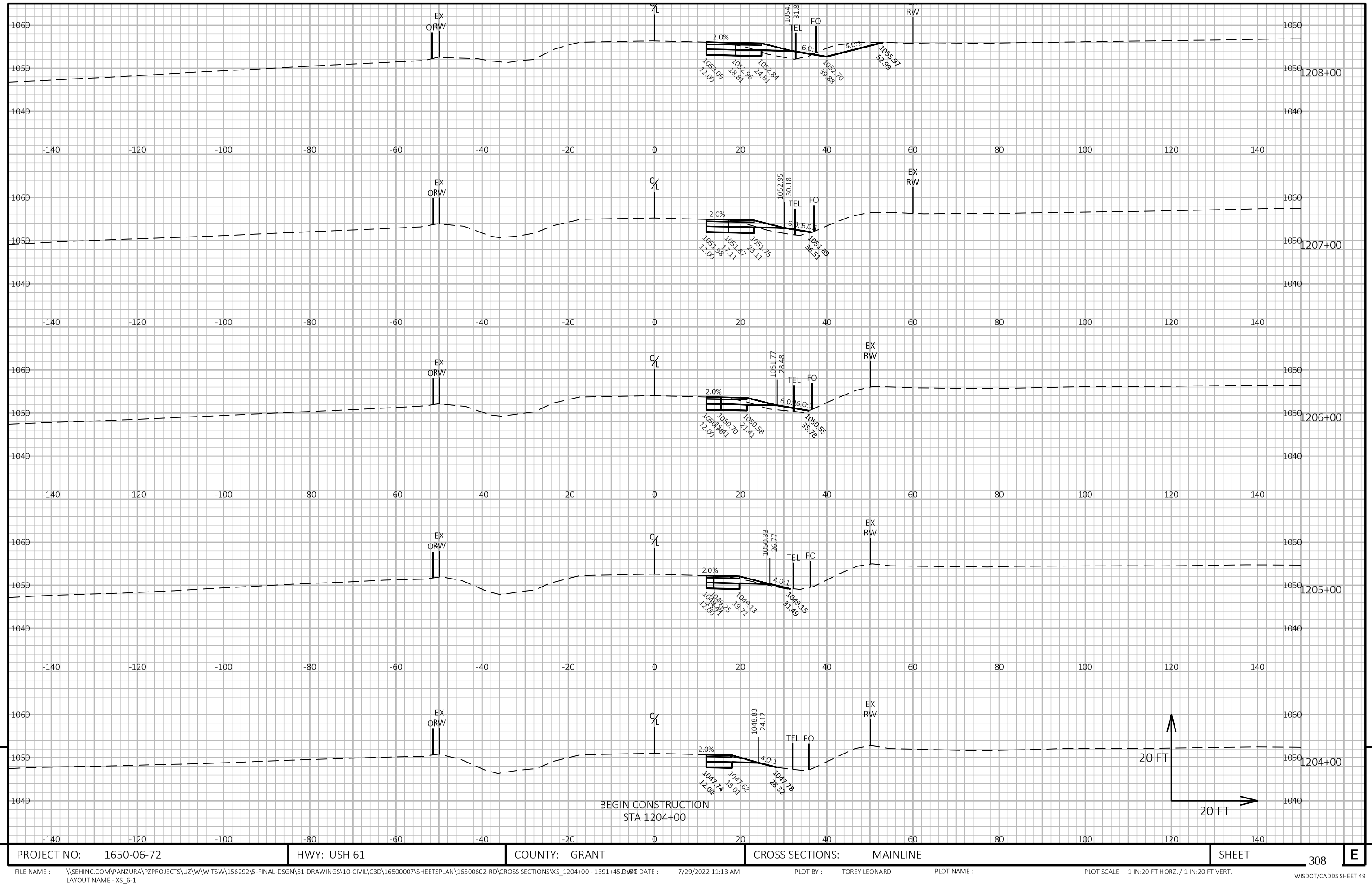
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 307	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_988+00 - 1196+00.DWG
LAYOUT NAME - XS_5-27

PLOT DATE : 10/27/2022 5:43 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

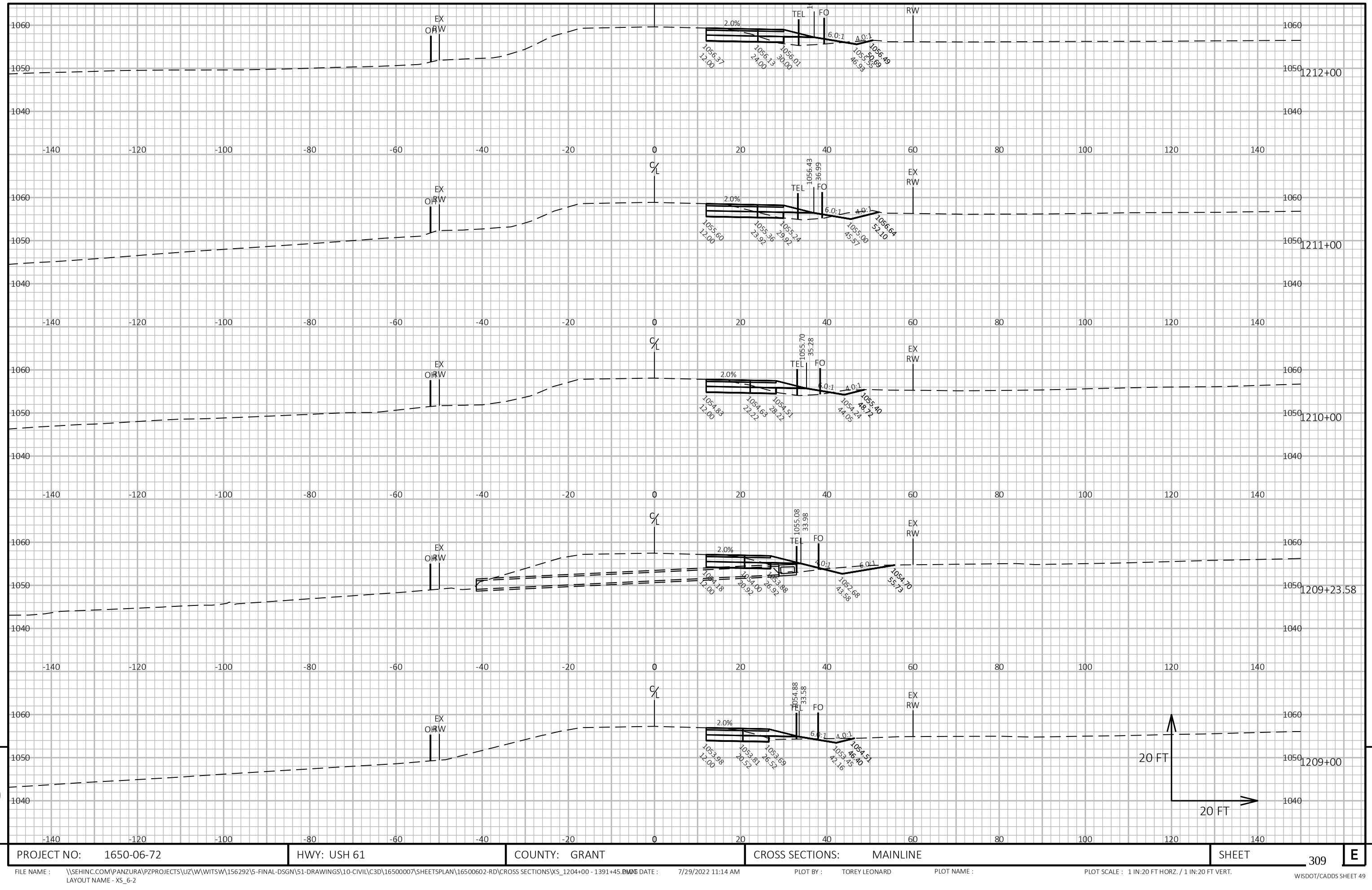
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 308	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-1

PLOT DATE : 7/29/2022 11:13 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

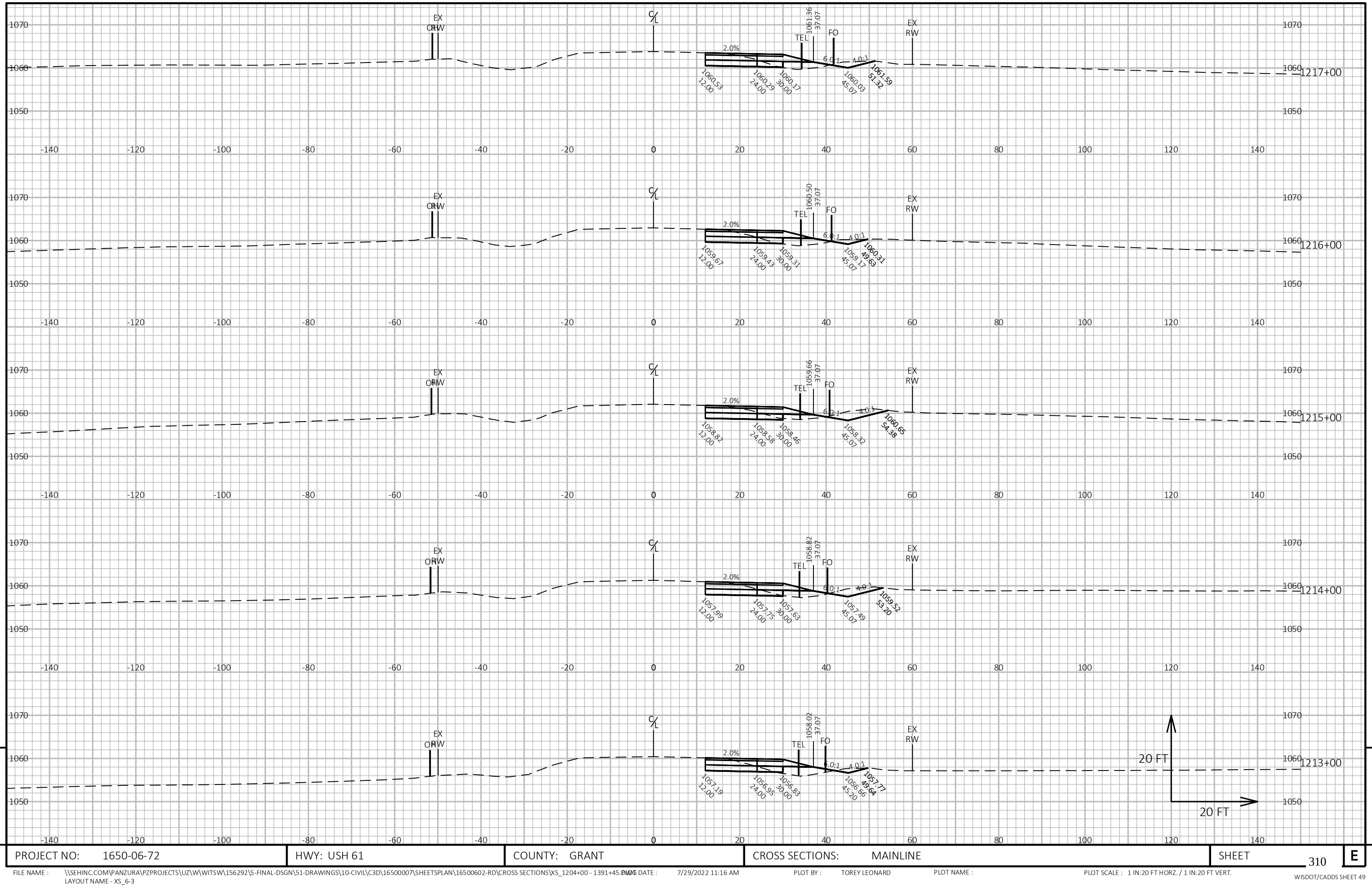


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 309	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-2

PLOT DATE : 7/29/2022 11:14 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

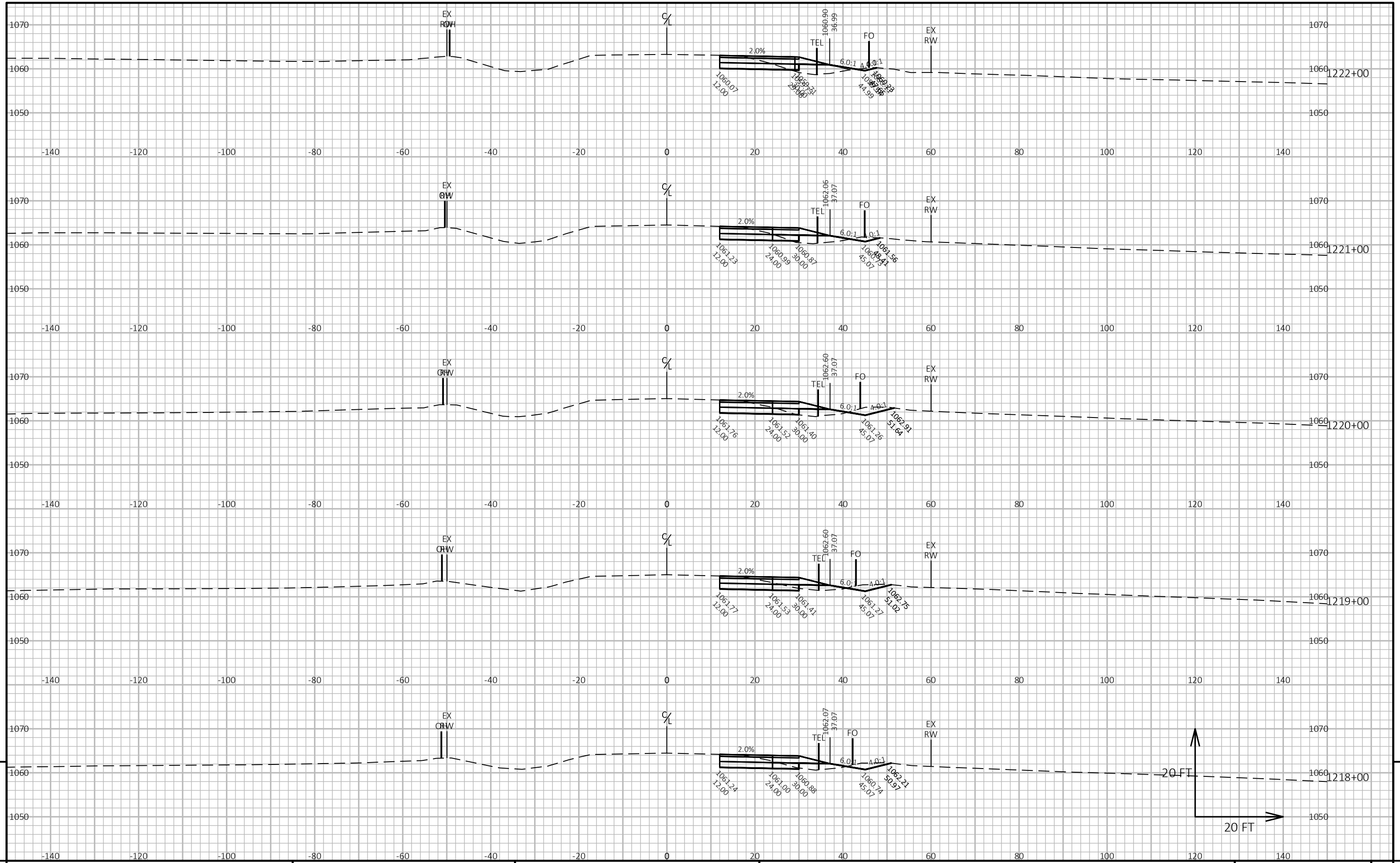


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 310	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-3
PLOT DATE : 7/29/2022 11:16 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



9

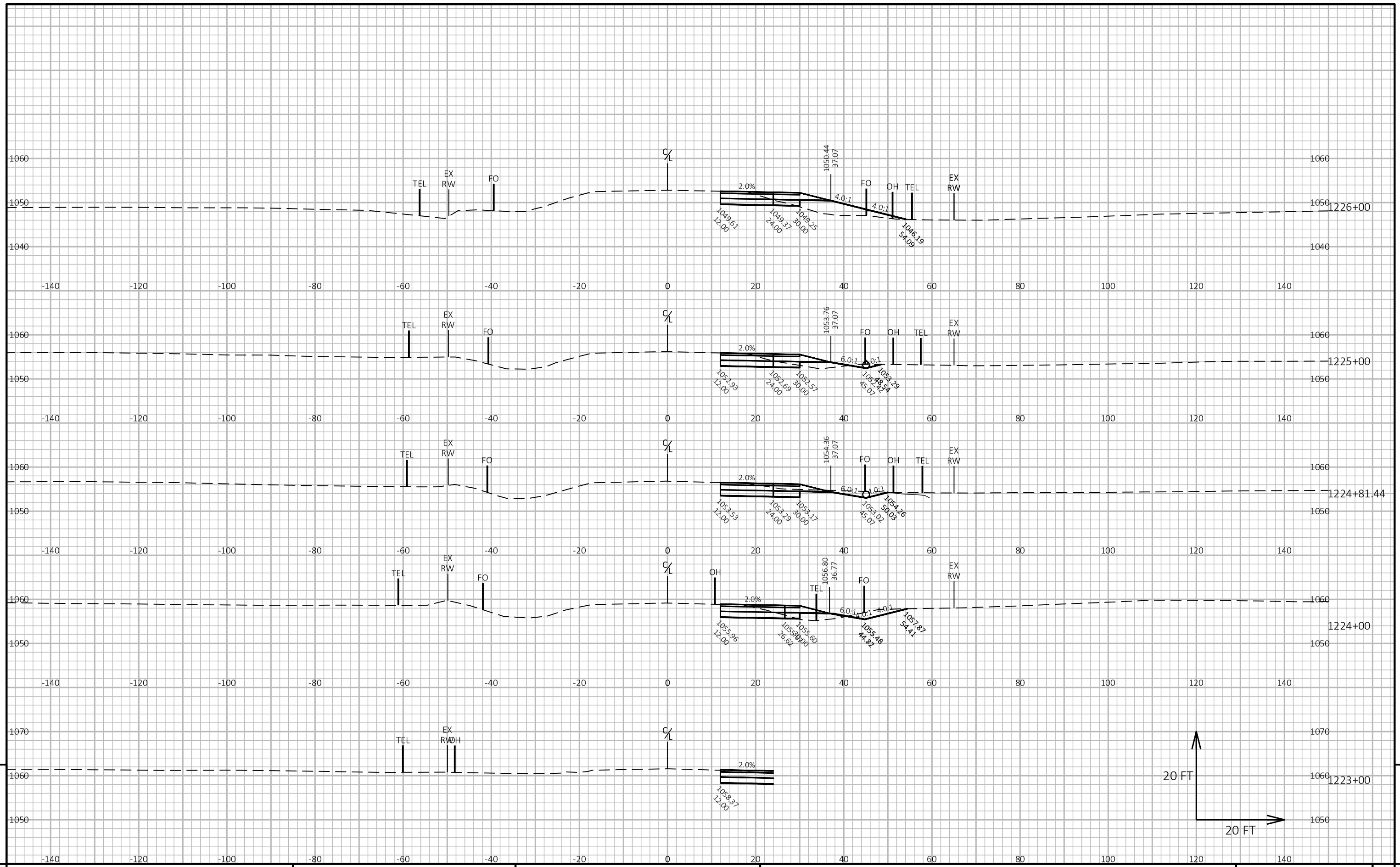
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 311	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-4

PLOT DATE : 7/29/2022 11:17 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

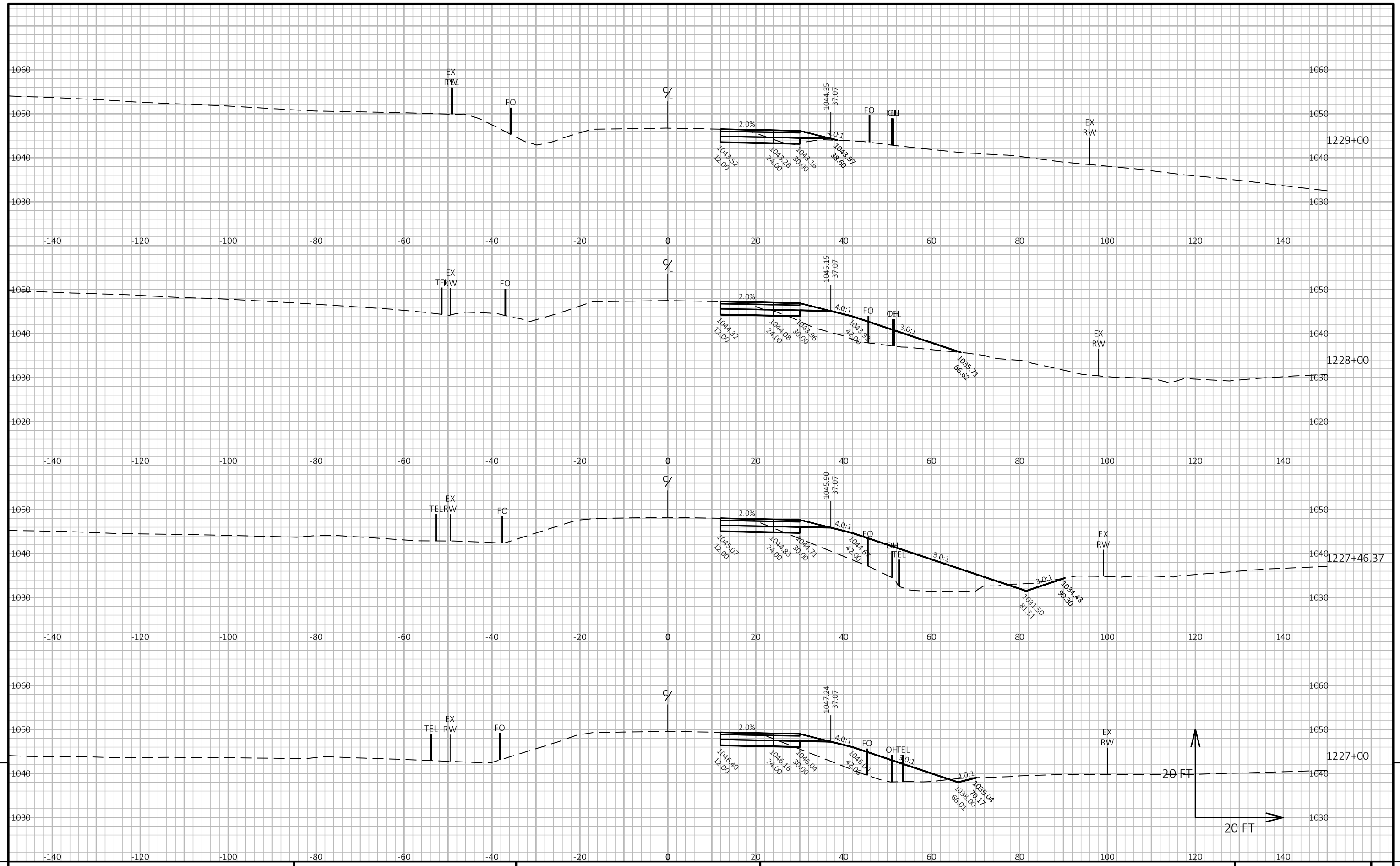
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 312	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-5

PLOT DATE : 7/29/2022 11:18 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

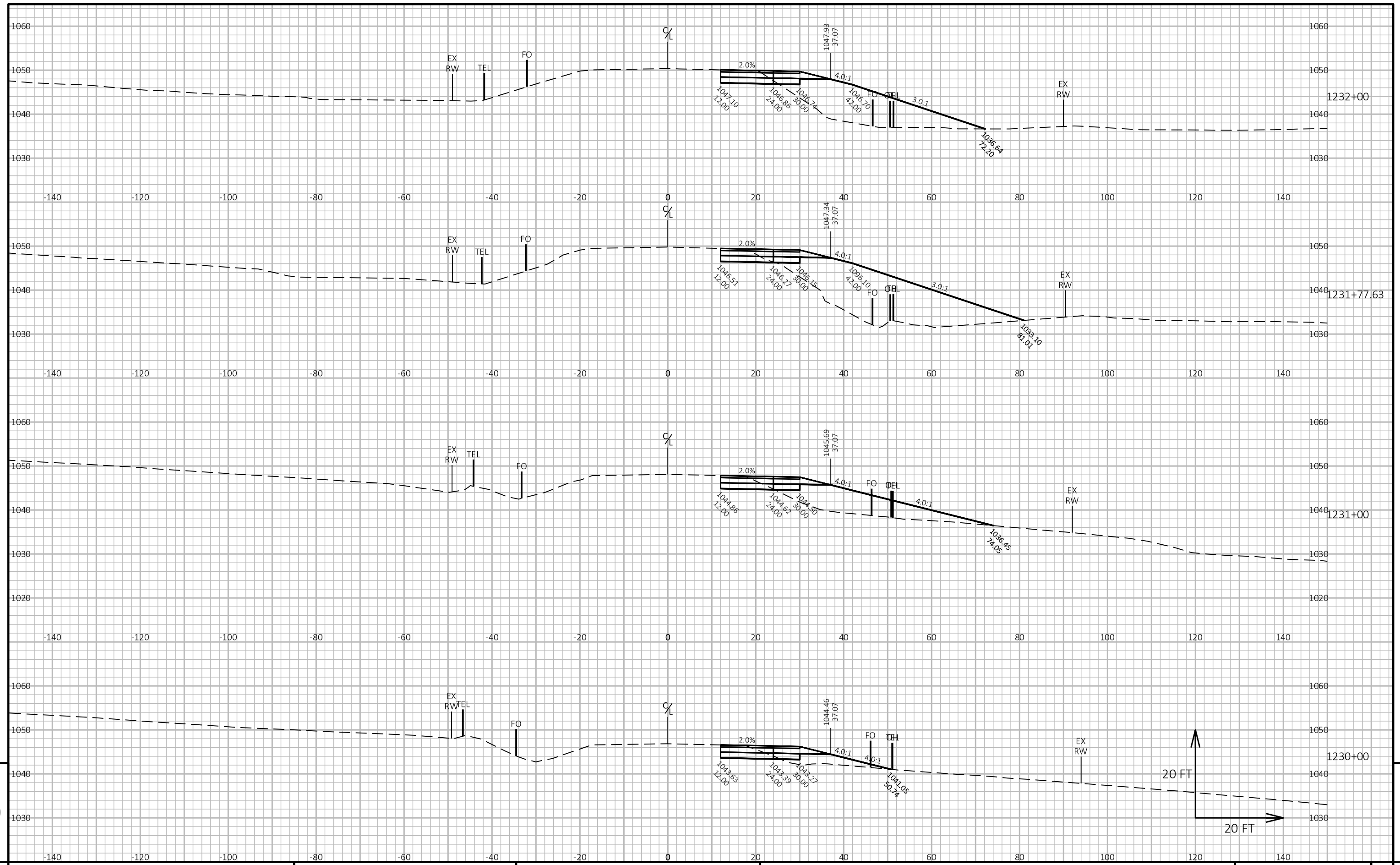
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 313	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-6

PLOT DATE : 7/29/2022 11:19 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

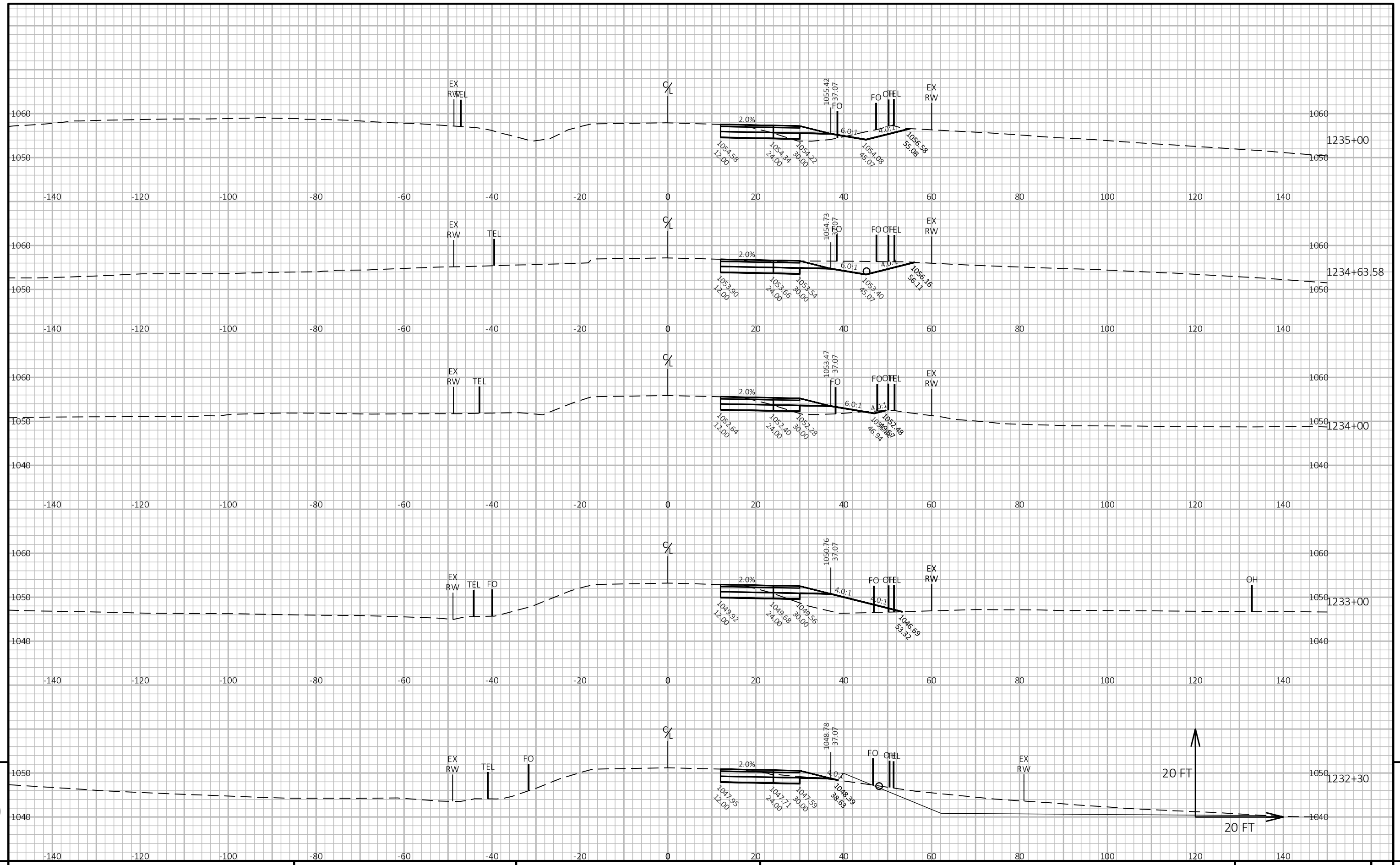


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 314	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-7
PLOT DATE : 7/29/2022 11:20 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 315	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-8

PLOT DATE : 7/29/2022 11:21 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



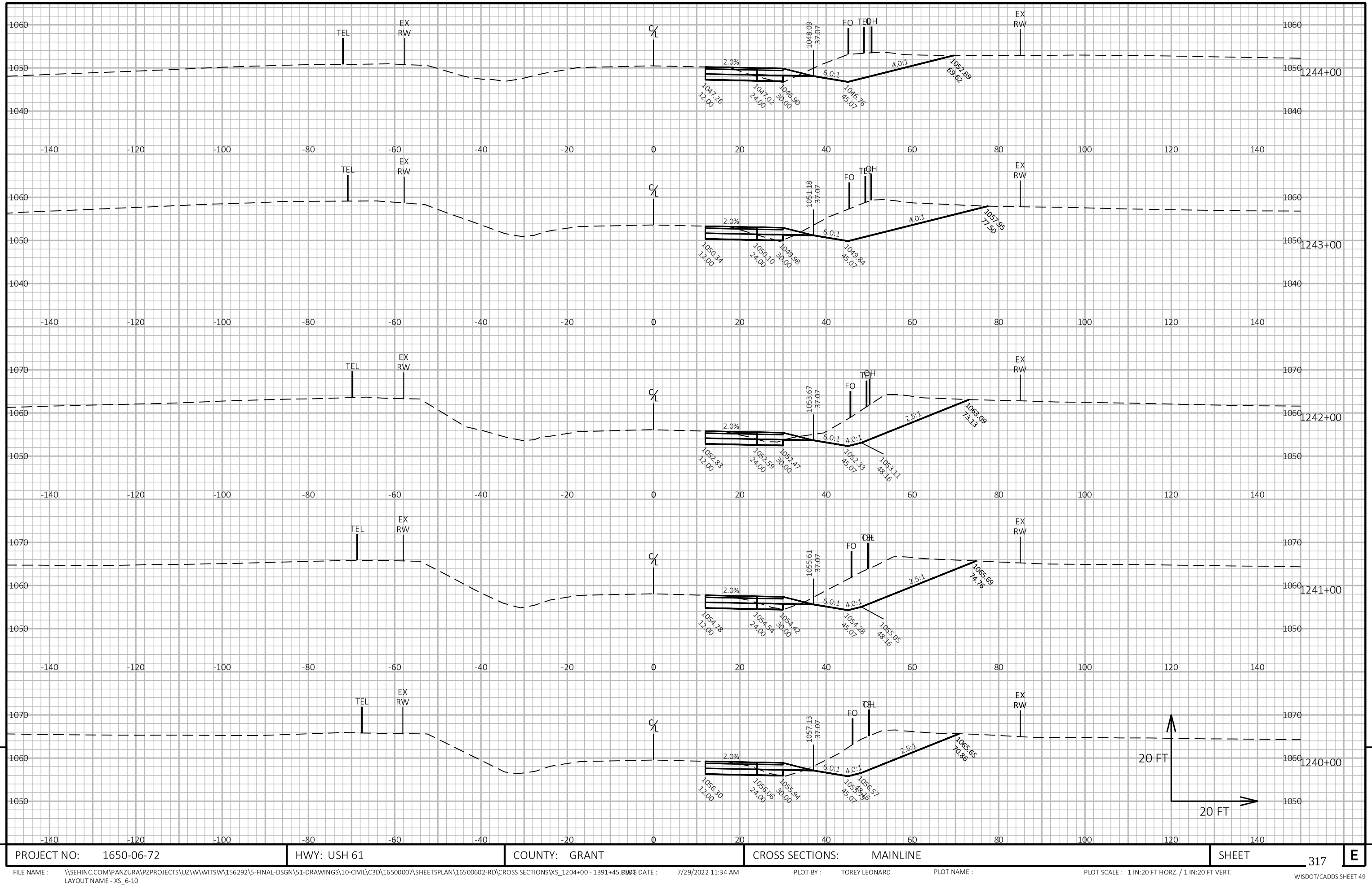
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 316	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-9

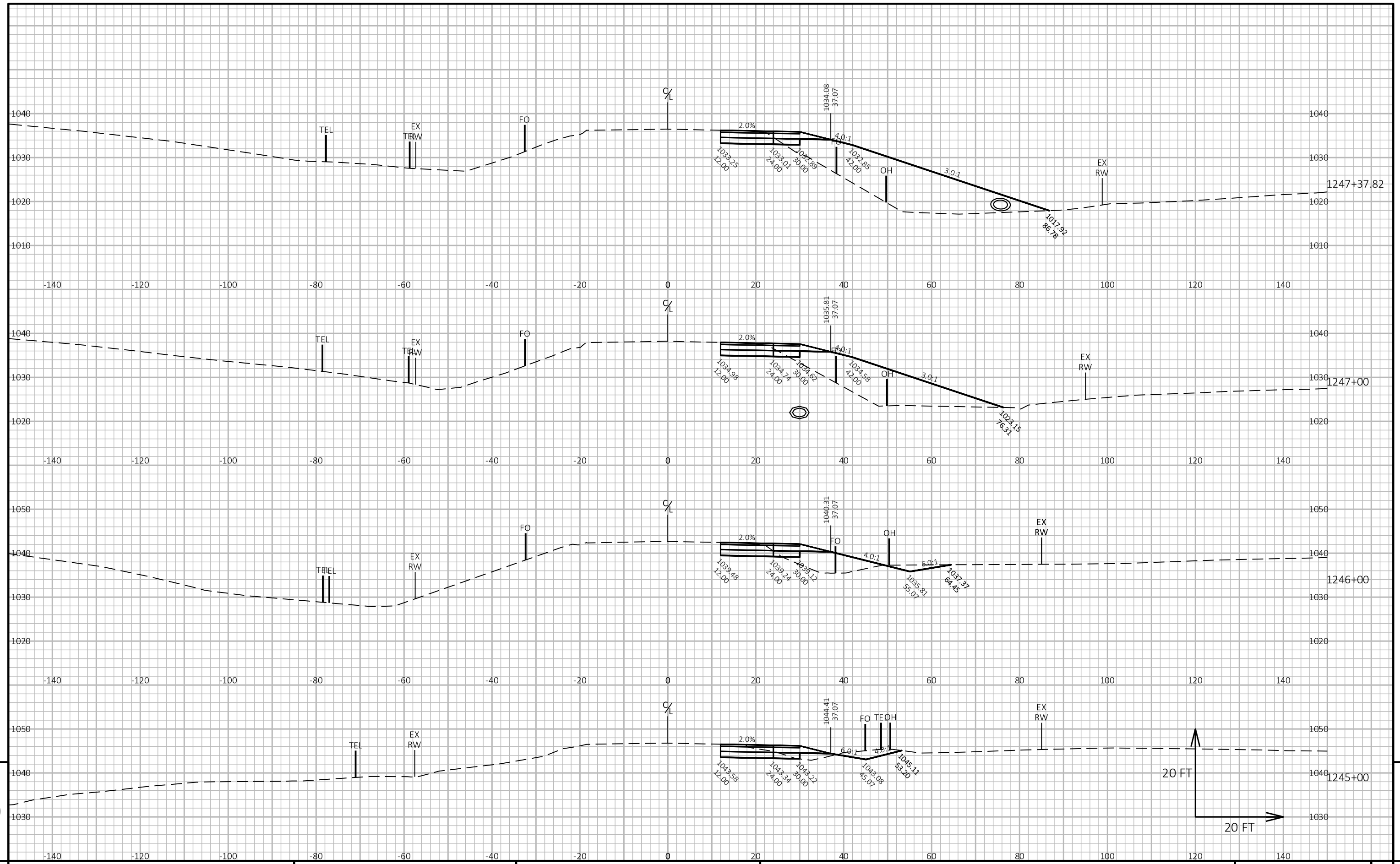
PLOT DATE : 7/29/2022 11:22 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 317	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-10
PLOT DATE : 7/29/2022 11:34 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 318	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-11
PLOT DATE : 7/29/2022 11:35 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

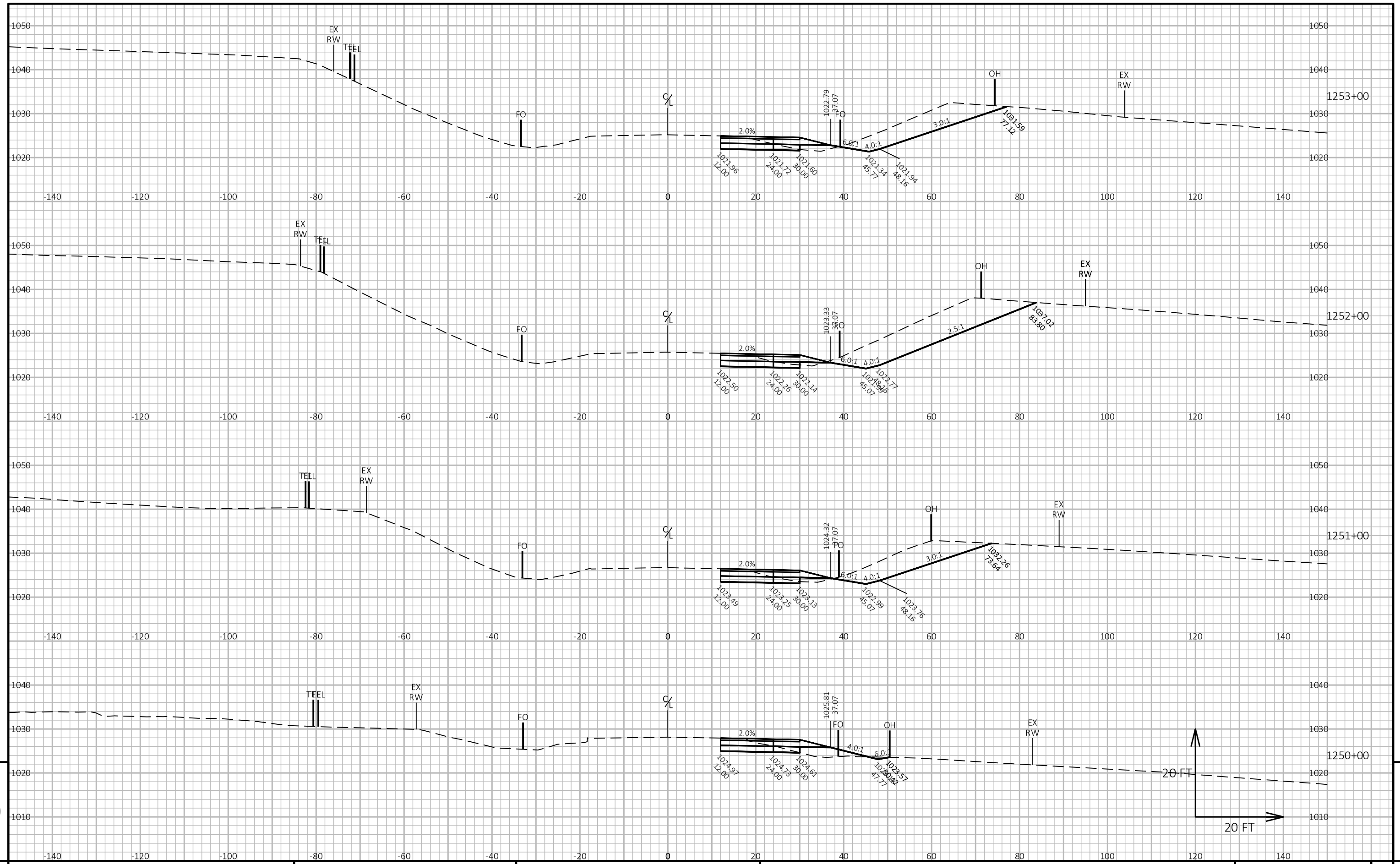
WISDOT/CADDS SHEET 49

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 319	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-12

PLOT DATE : 7/29/2022 11:36 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

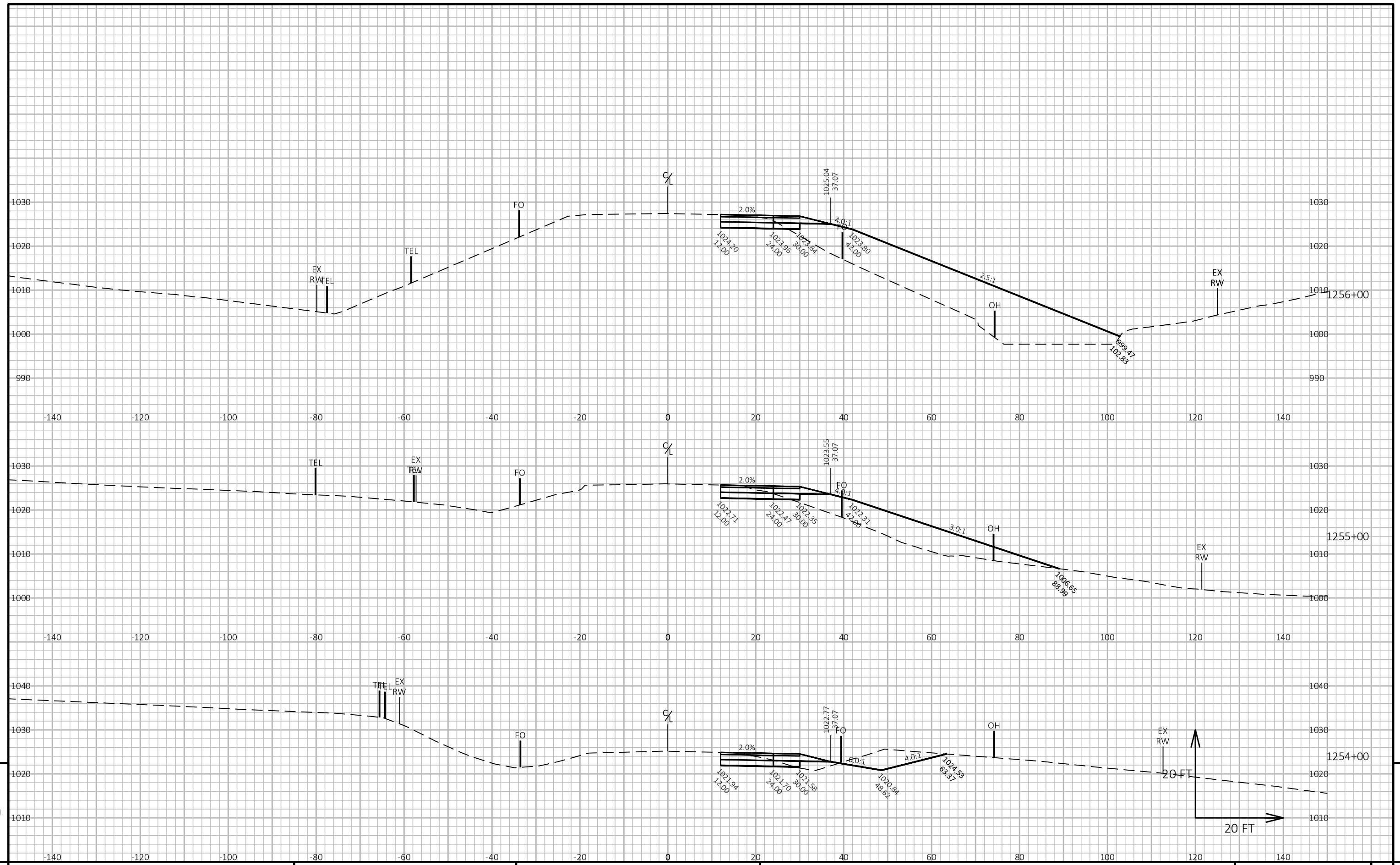


PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 320 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-13

PLOT DATE : 7/29/2022 11:37 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 321	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-14

PLOT DATE : 7/29/2022 11:38 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

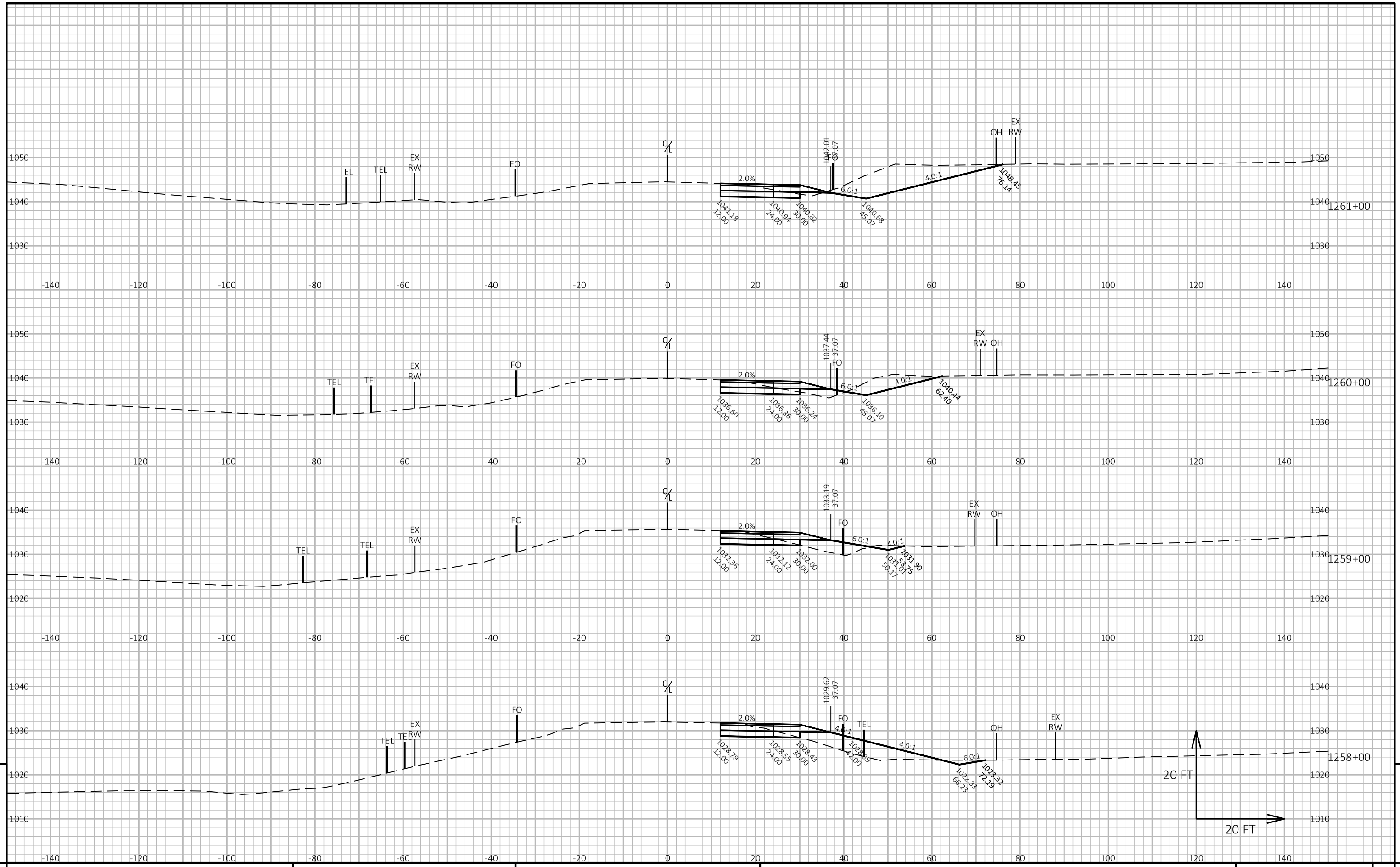
WISDOT/CADDS SHEET 49

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 322 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-15

PLOT DATE : 7/29/2022 11:40 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

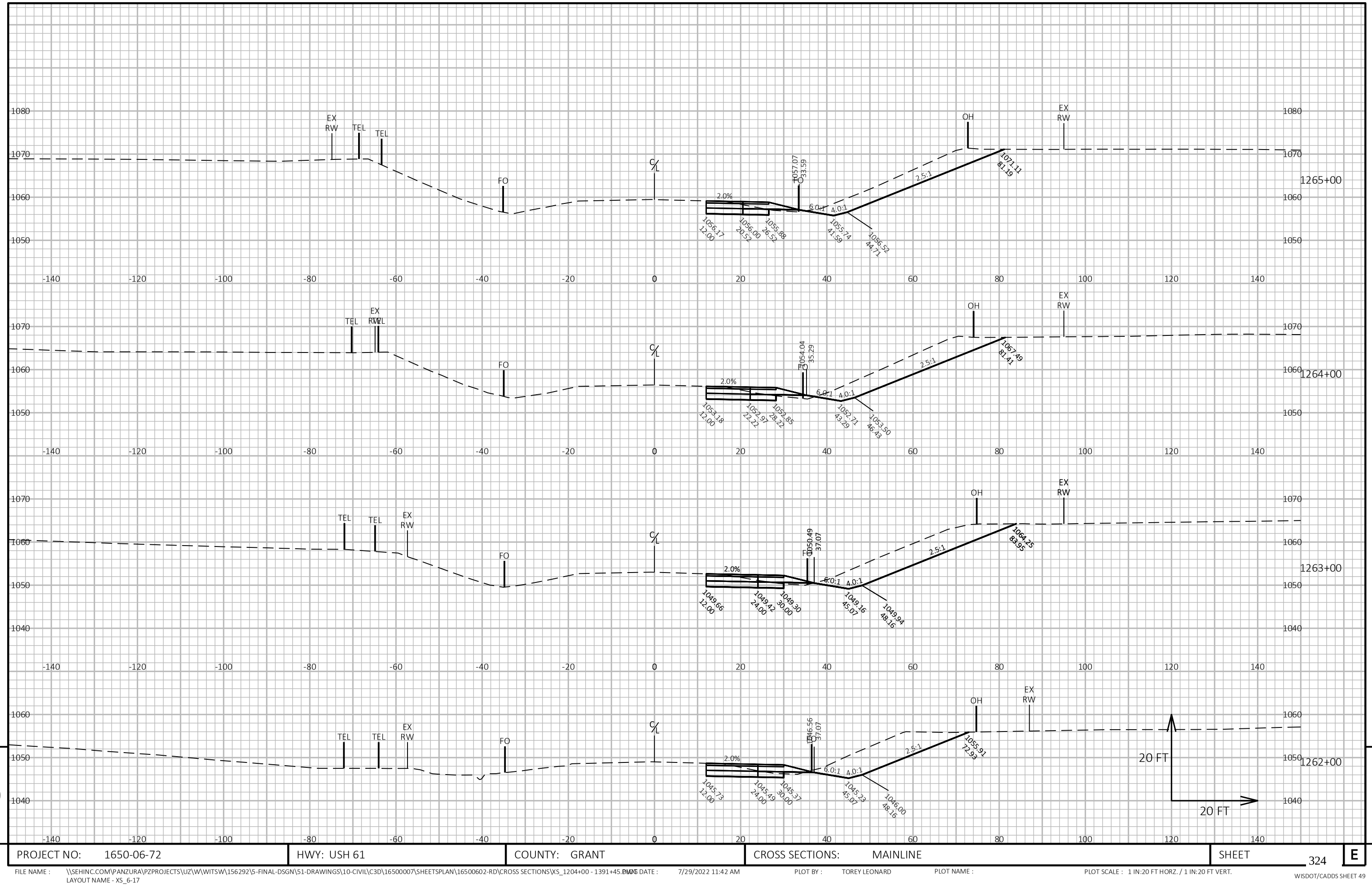
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 323	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-16

PLOT DATE : 7/29/2022 11:41 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

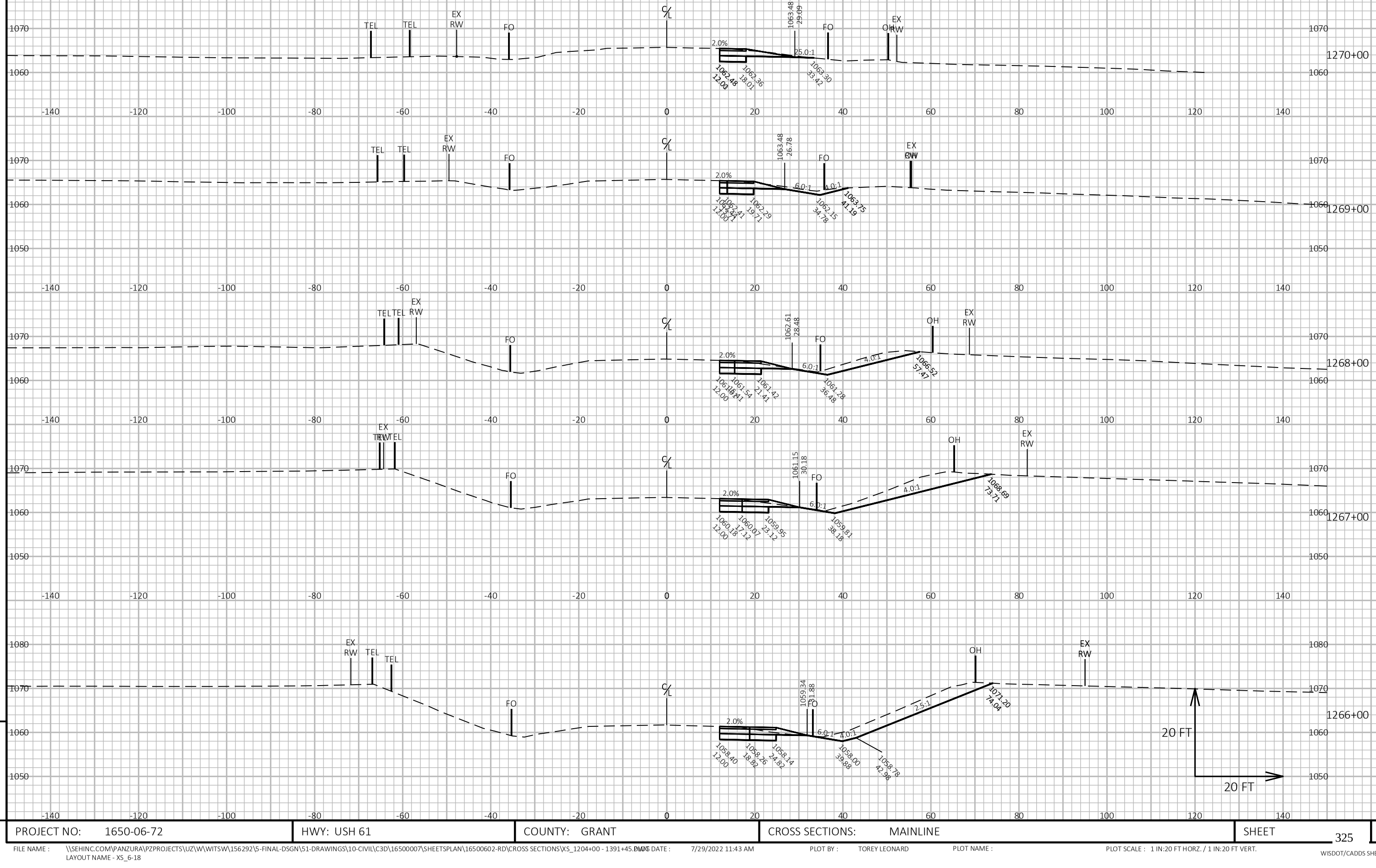
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 324	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-17

PLOT DATE : 7/29/2022 11:42 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

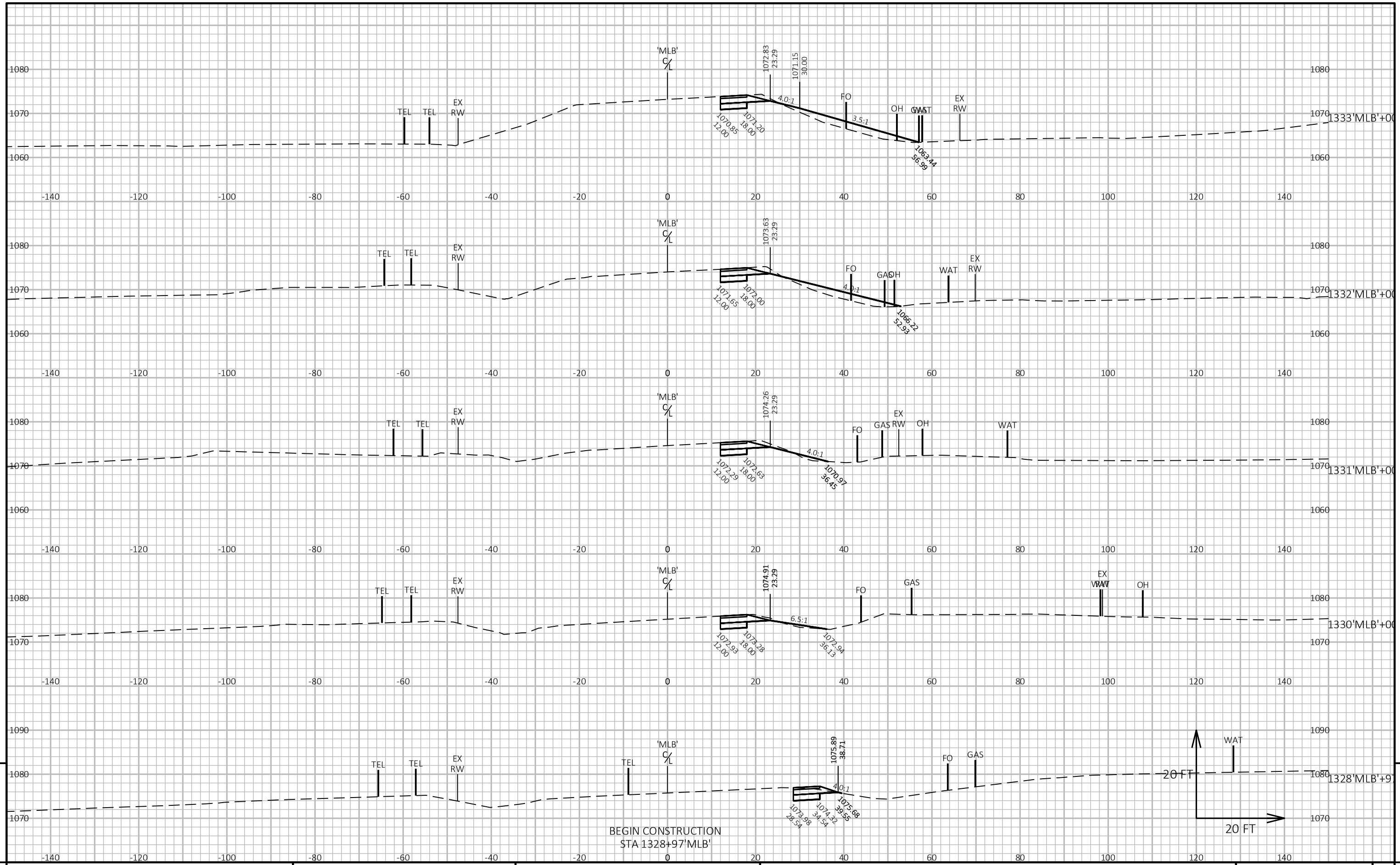
END CONSTRUCTION
STA 1270+00



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 325	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_6-18
PLOT DATE : 7/29/2022 11:43 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

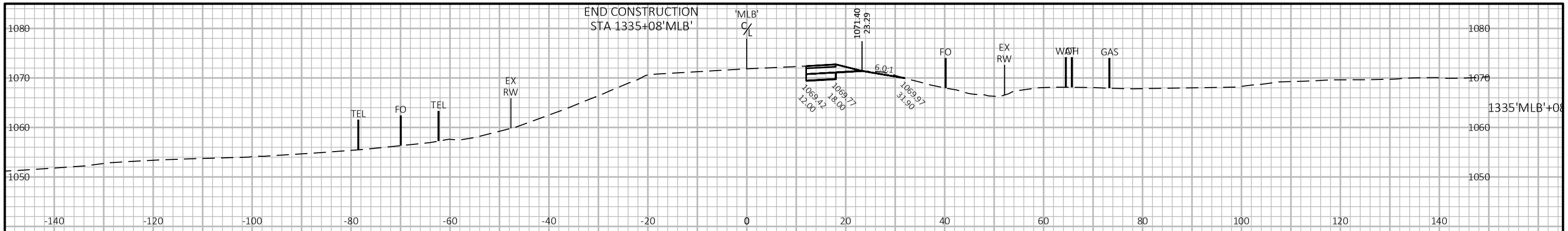


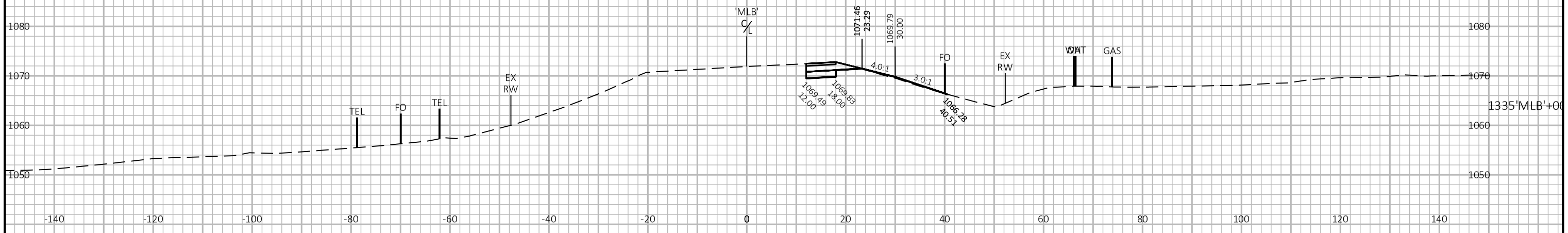
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 326 E

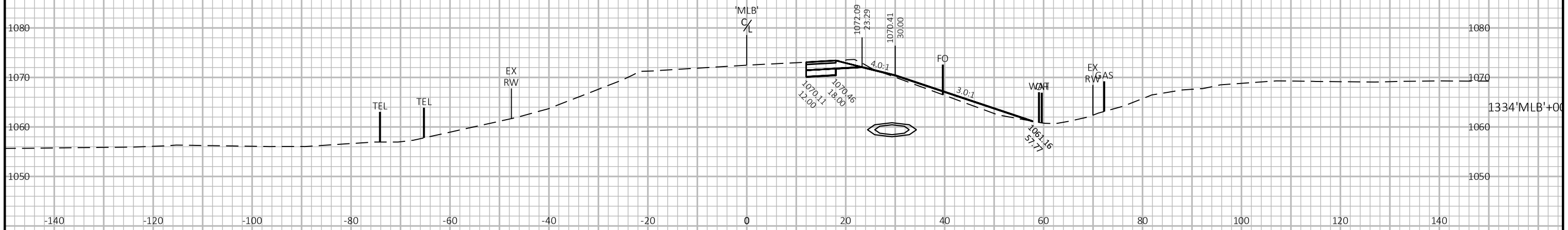
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_7-1
PLOT DATE : 7/29/2022 9:30 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

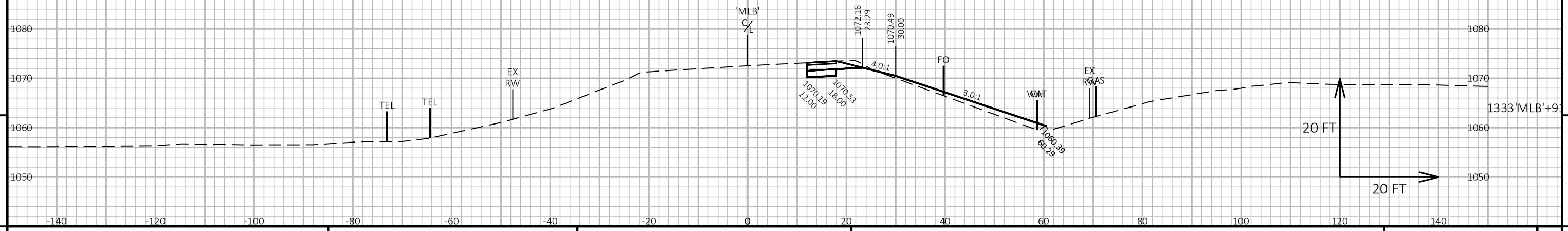
WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 1335+08'MLB'









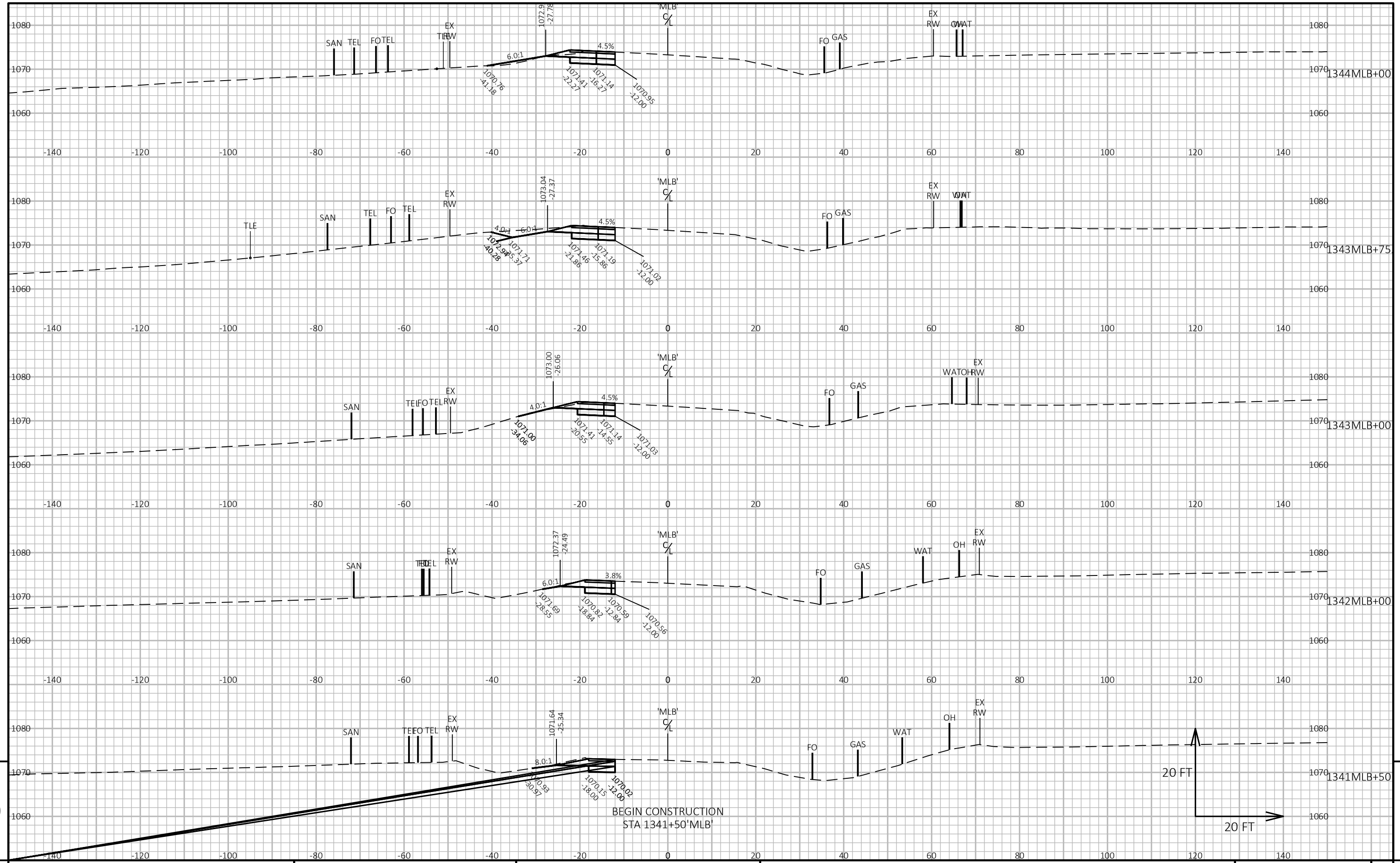
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 327	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_7-2
PLOT DATE : 7/29/2022 9:30 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

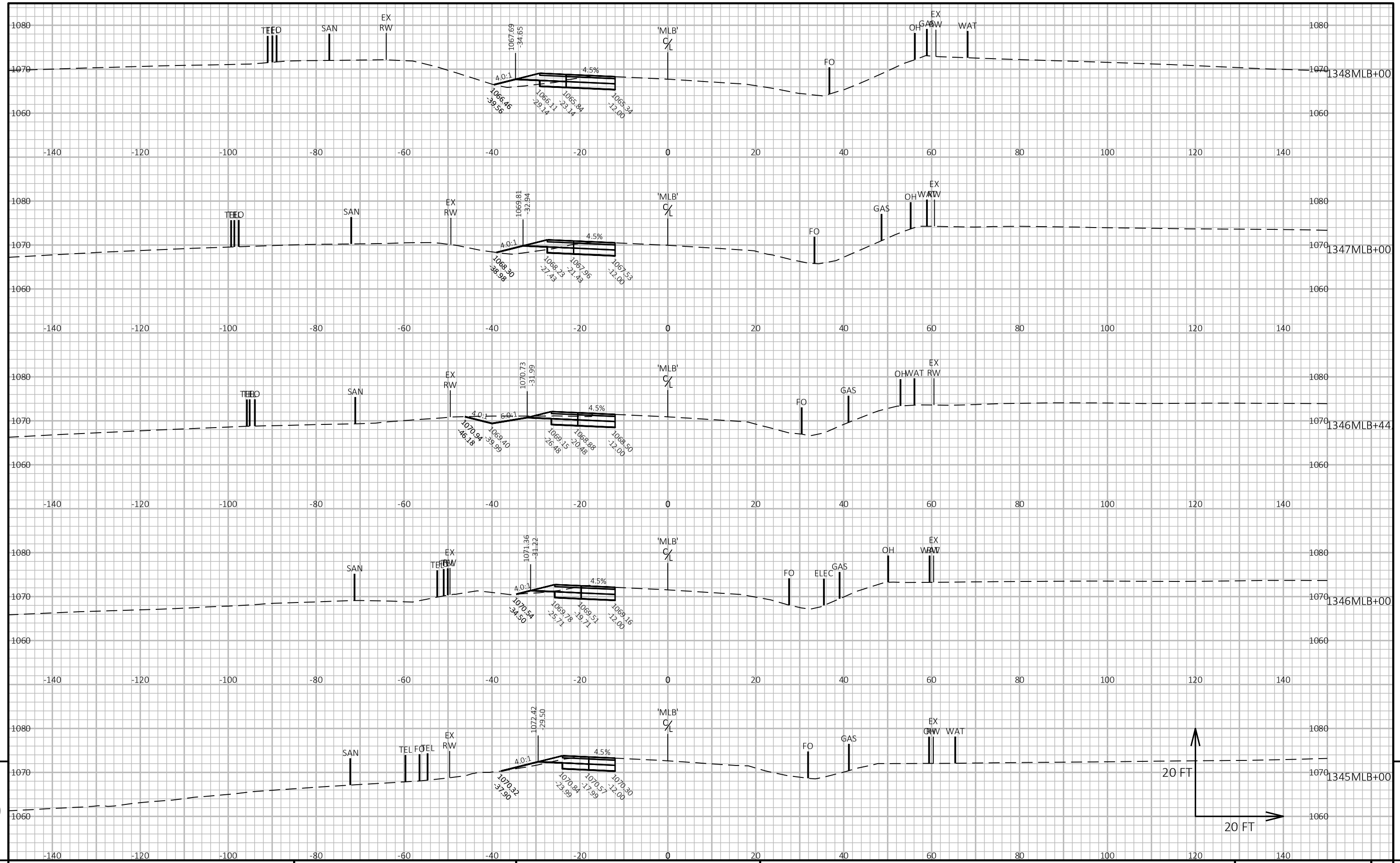
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 328	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-3

PLOT DATE : 7/29/2022 10:48 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

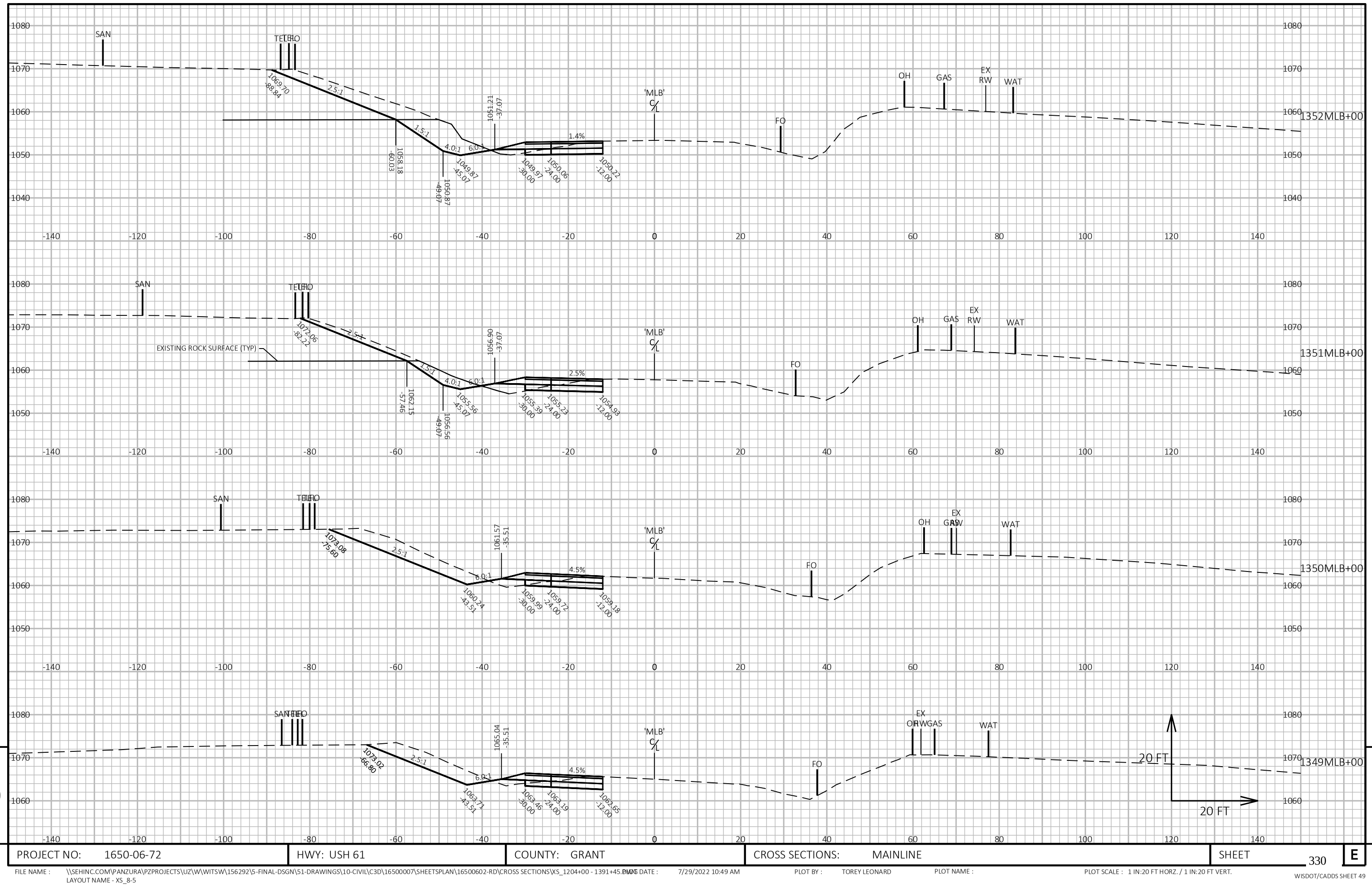


9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 329 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-4
PLOT DATE : 7/29/2022 10:49 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

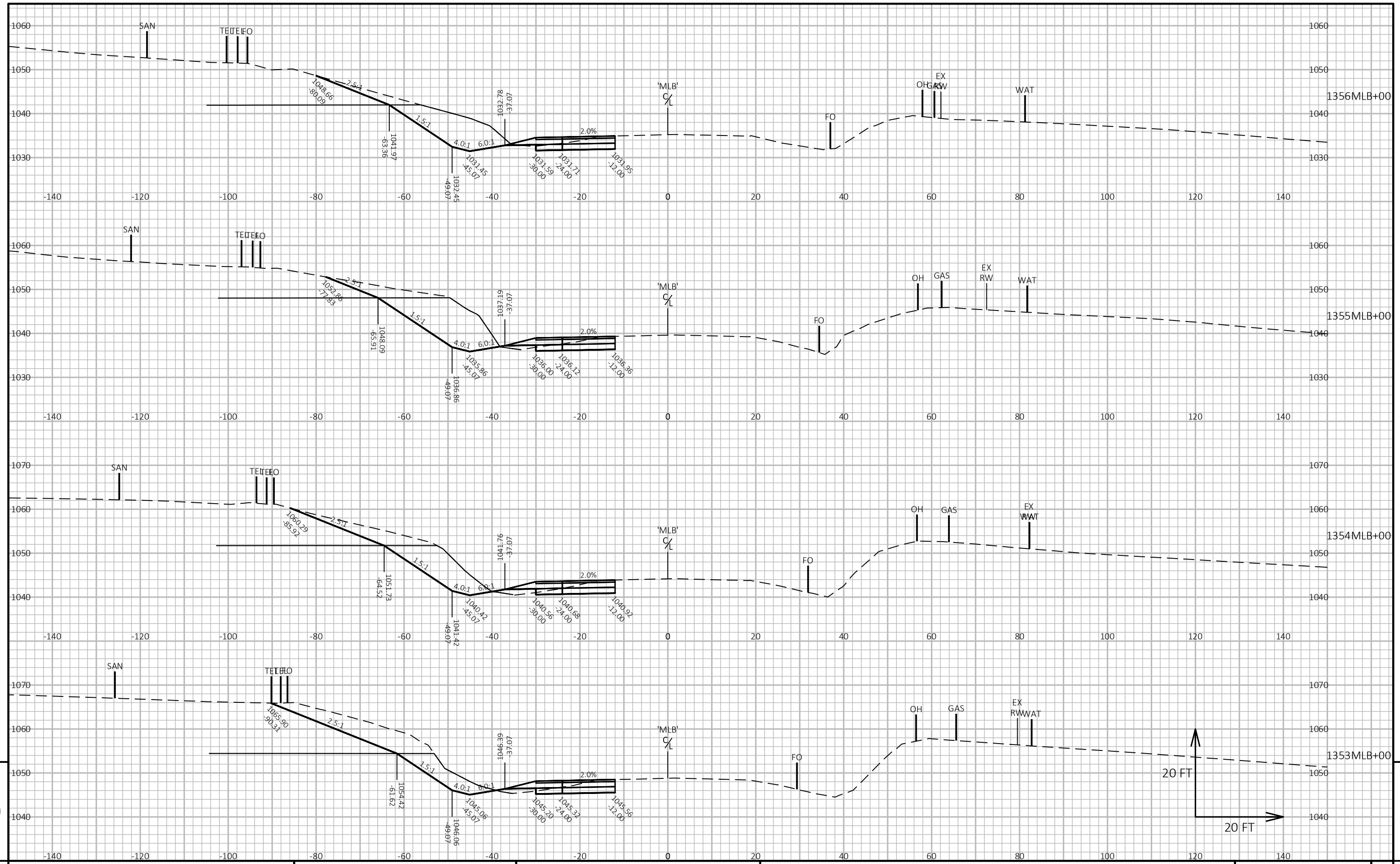
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 330	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-5

PLOT DATE : 7/29/2022 10:49 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

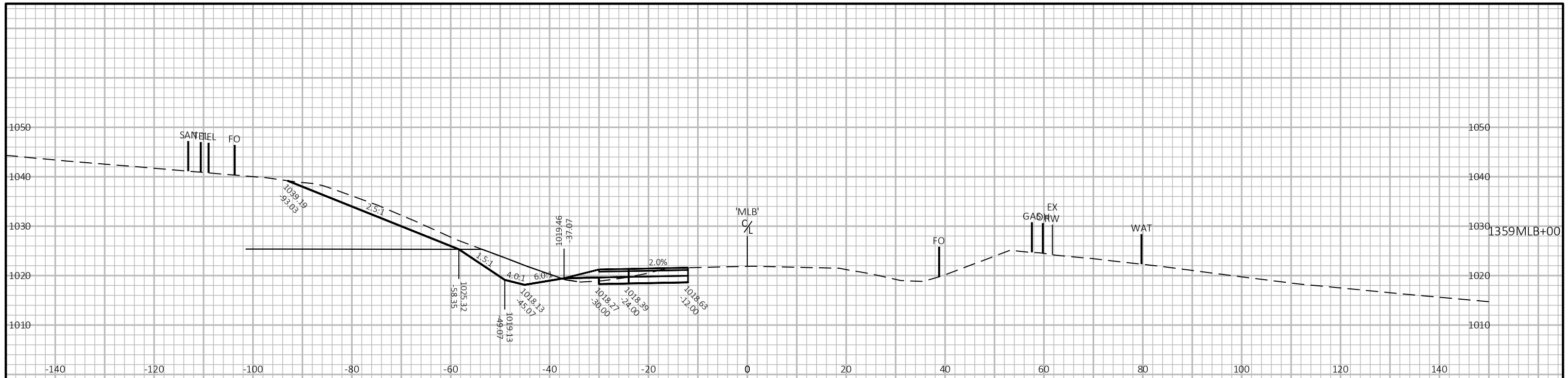
9

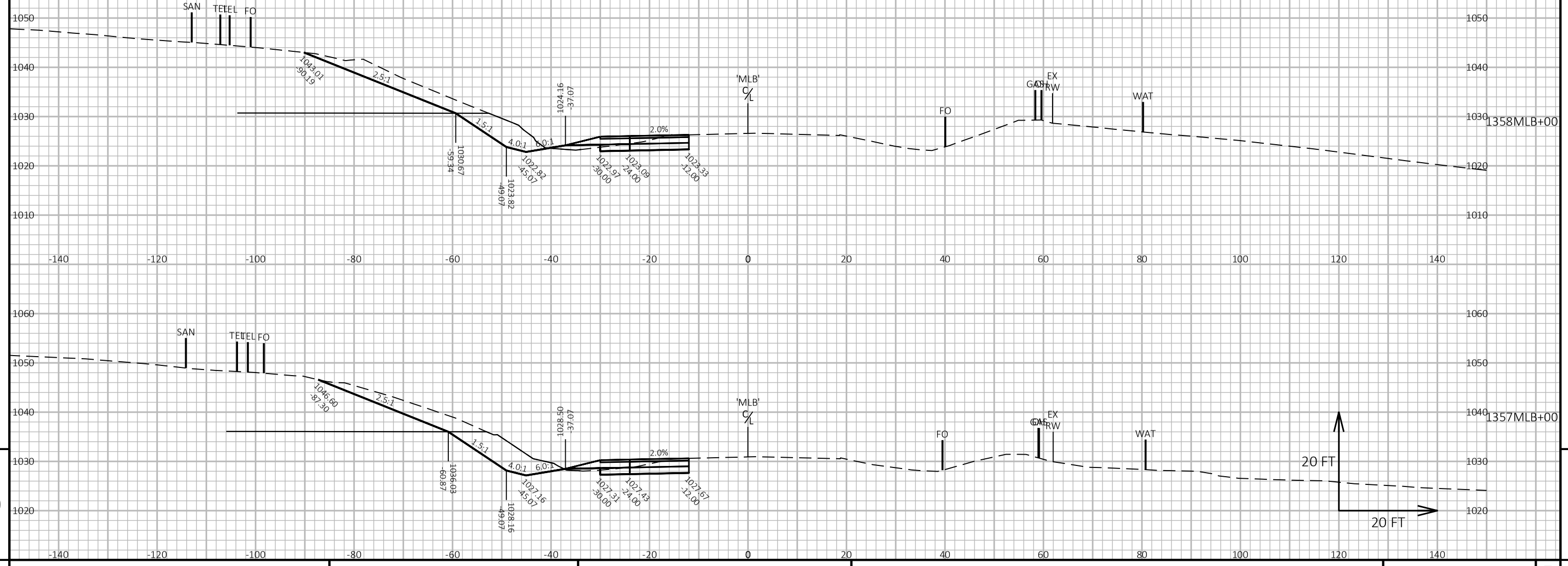
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 331	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-6

PLOT DATE : 7/29/2022 10:50 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





9

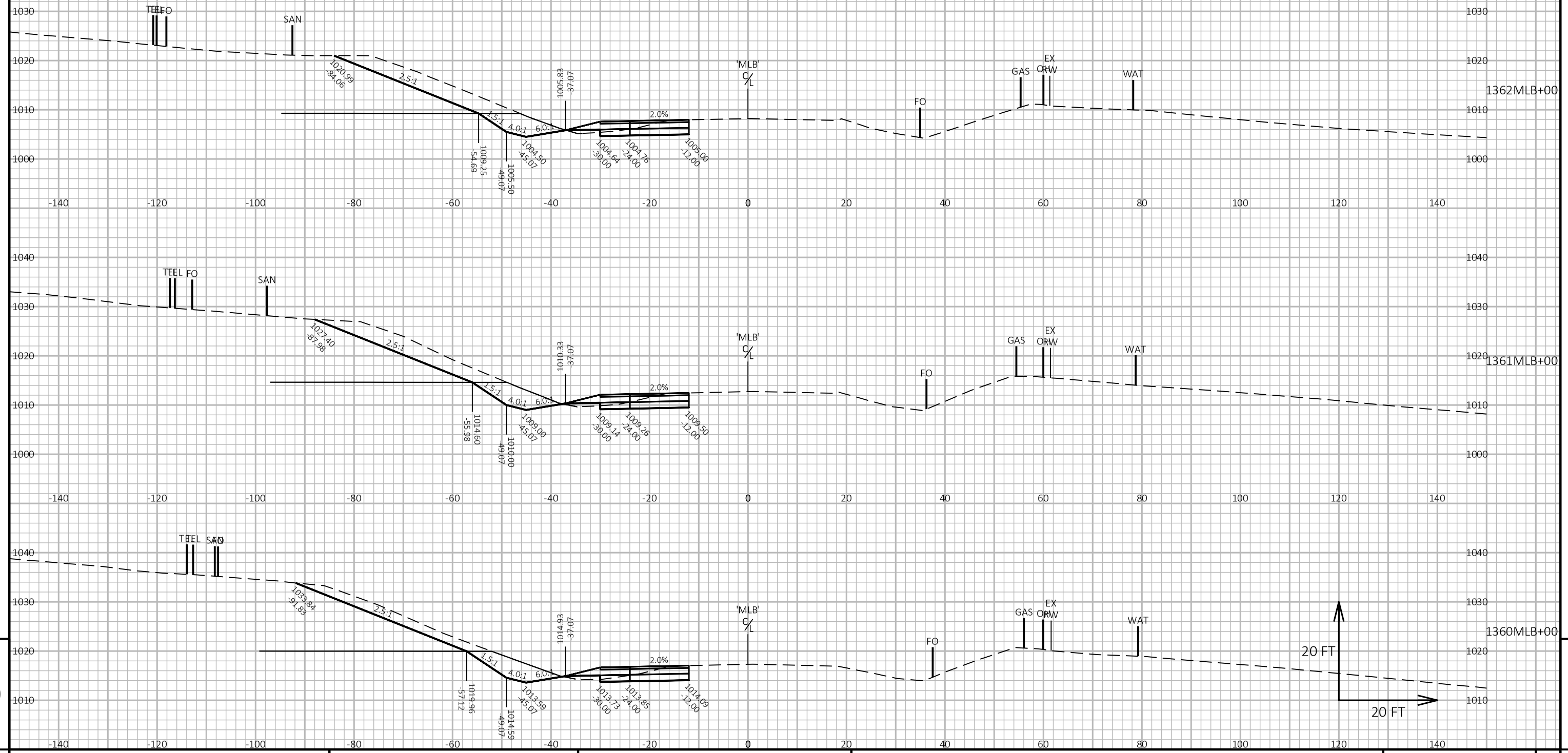
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 332	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-7

PLOT DATE : 7/29/2022 10:51 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

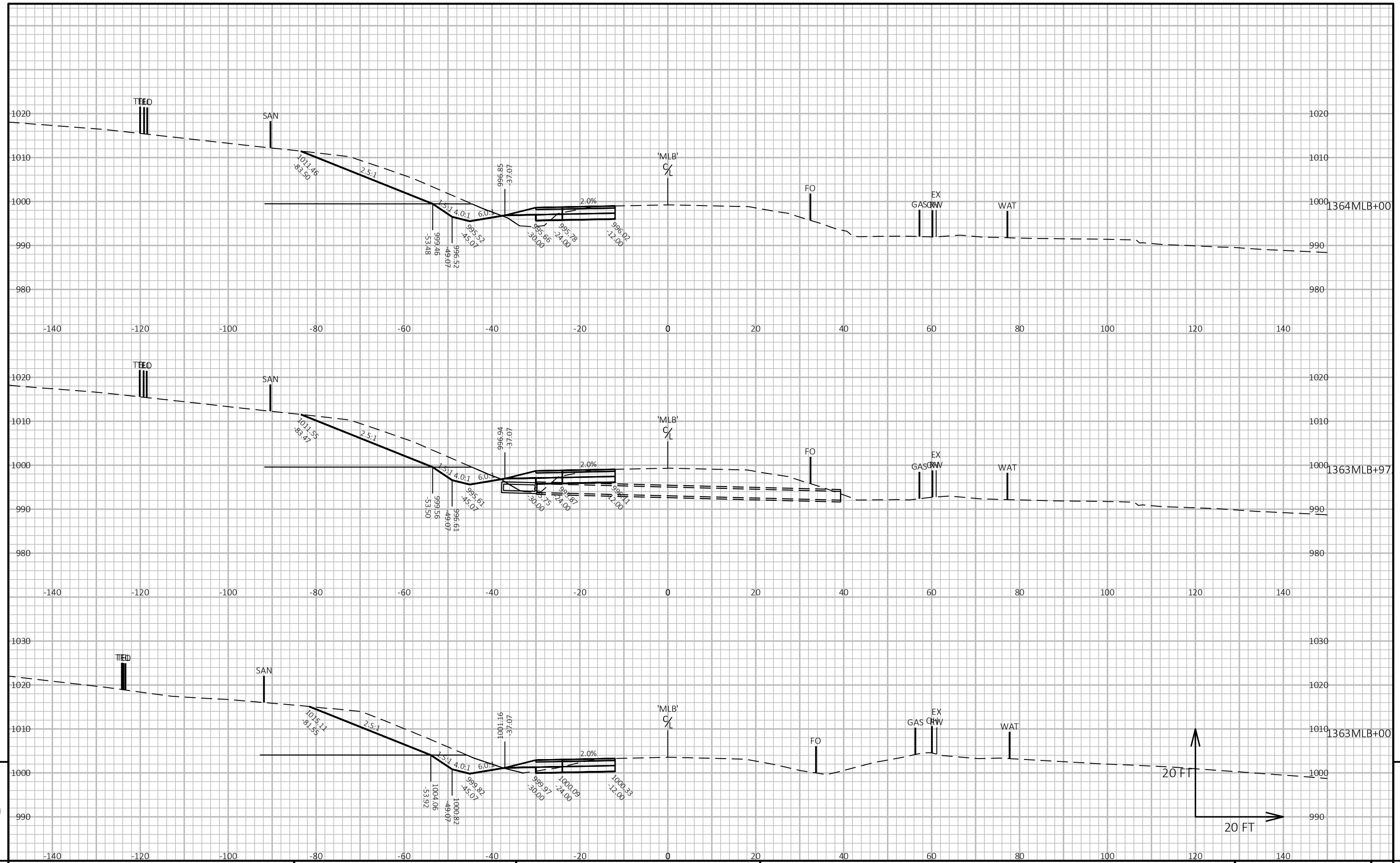
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 333	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-8

PLOT DATE : 7/29/2022 10:51 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

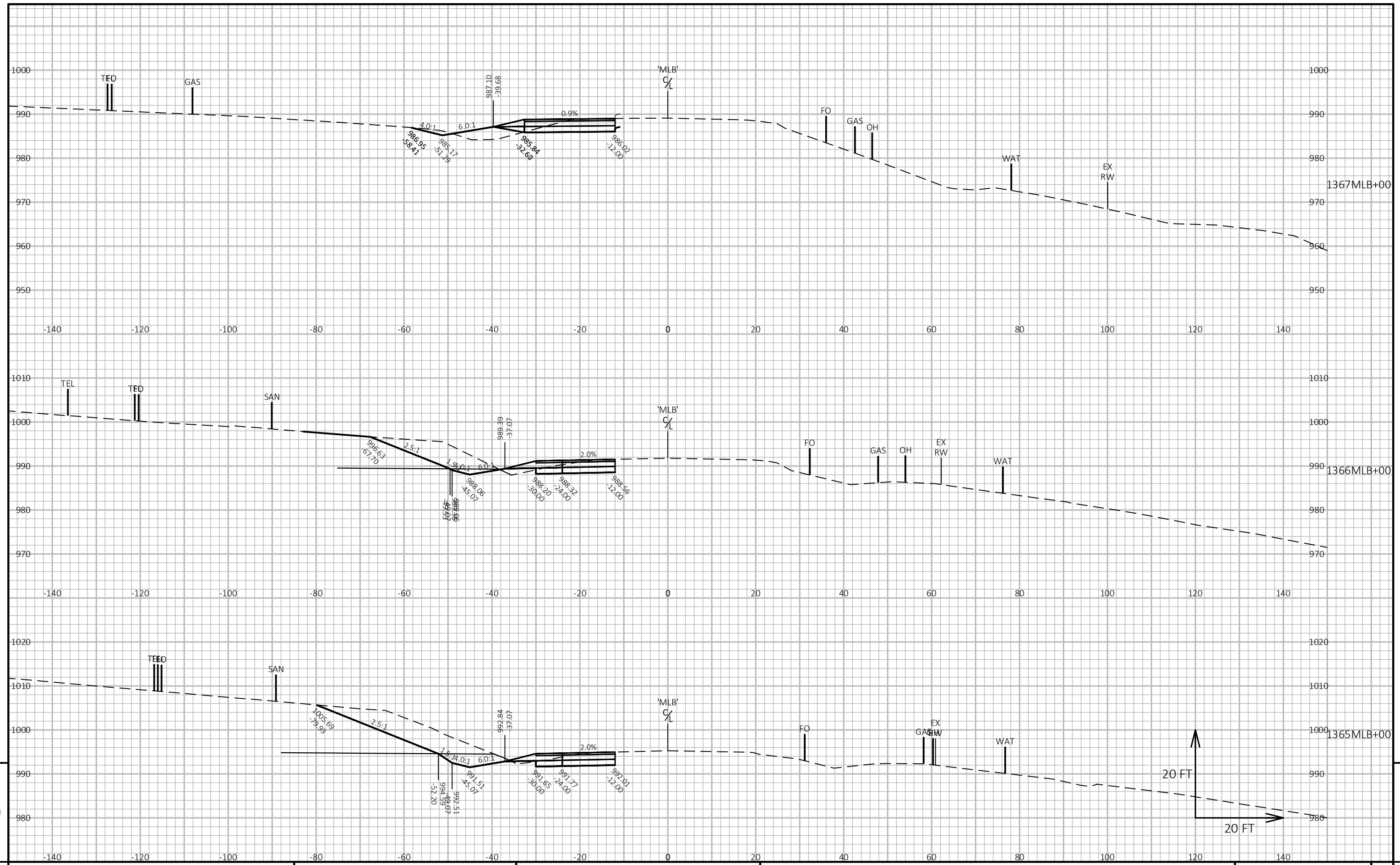
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 334	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-9

PLOT DATE : 7/29/2022 10:52 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

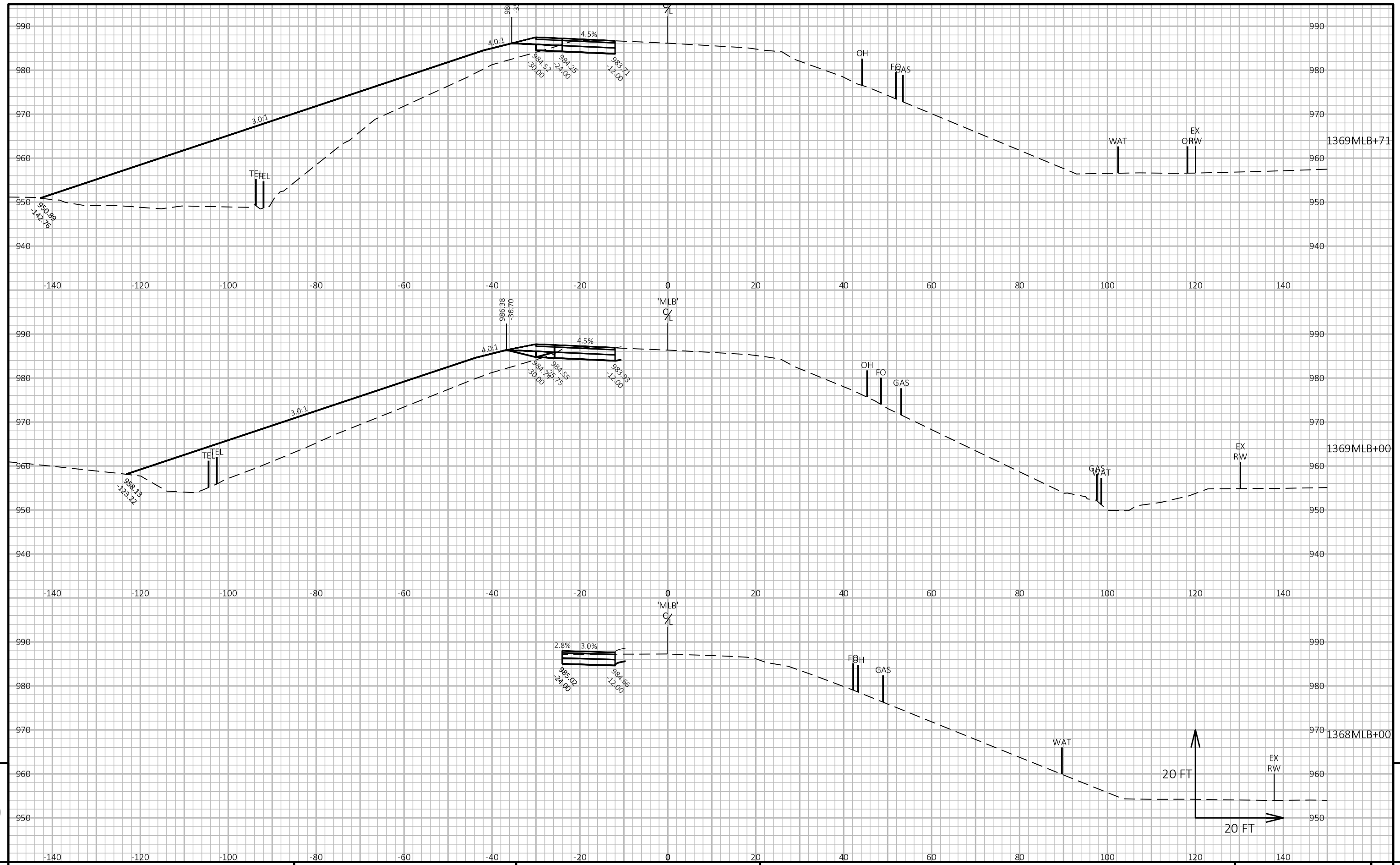
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 335	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-10

PLOT DATE : 7/29/2022 10:52 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

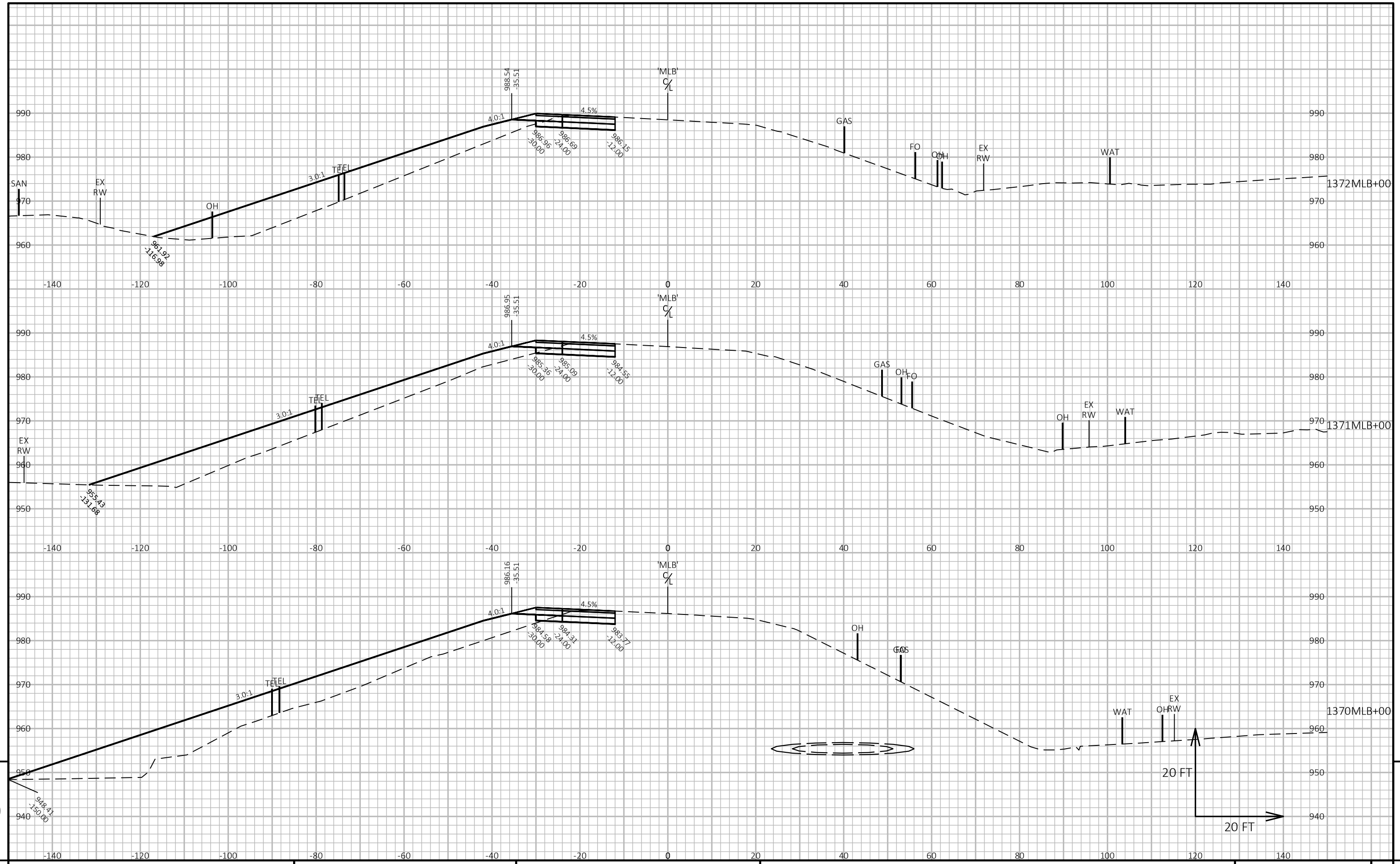
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 336	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-11

PLOT DATE : 7/29/2022 10:53 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

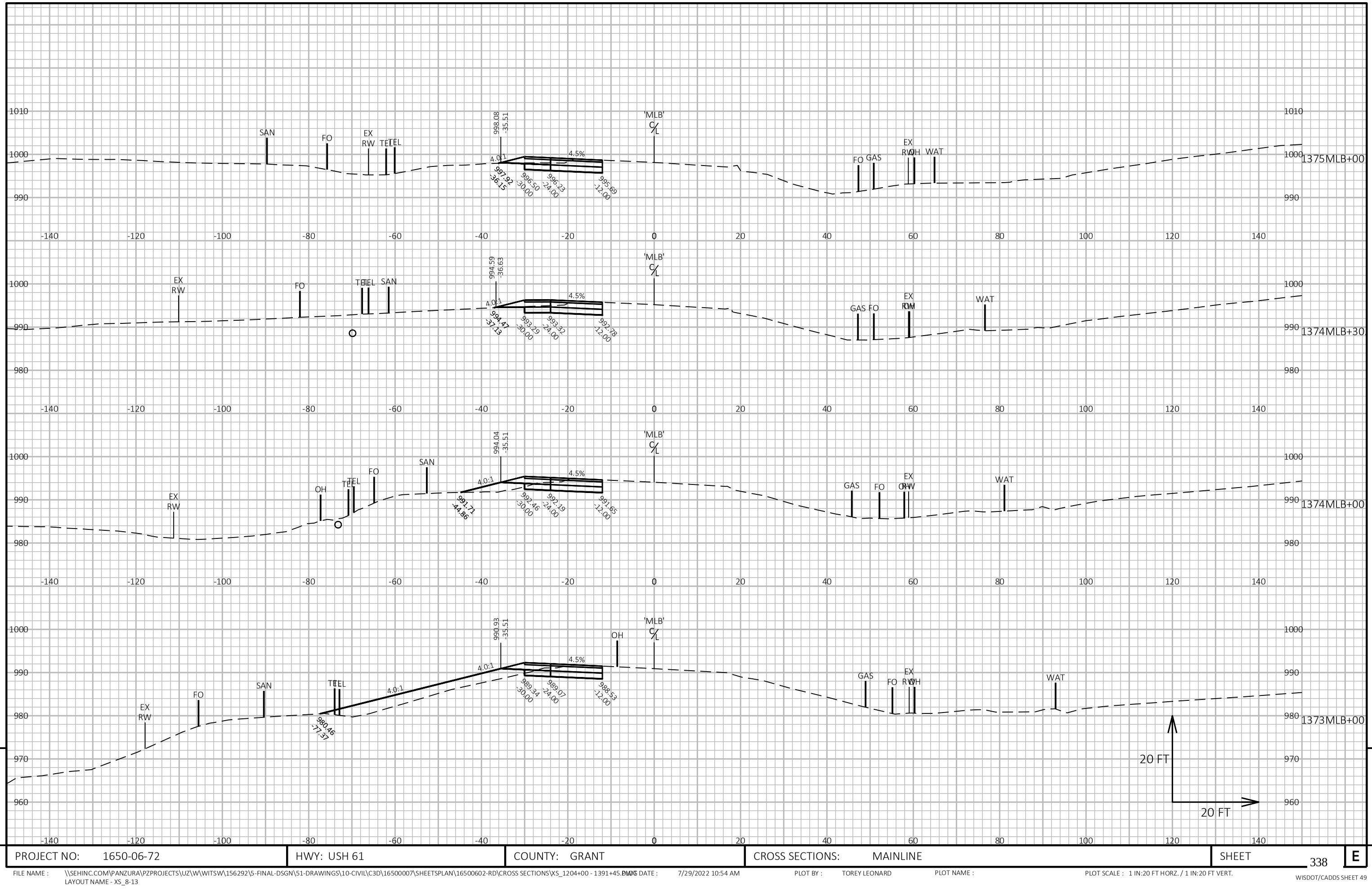
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 337	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-12

PLOT DATE : 7/29/2022 10:54 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

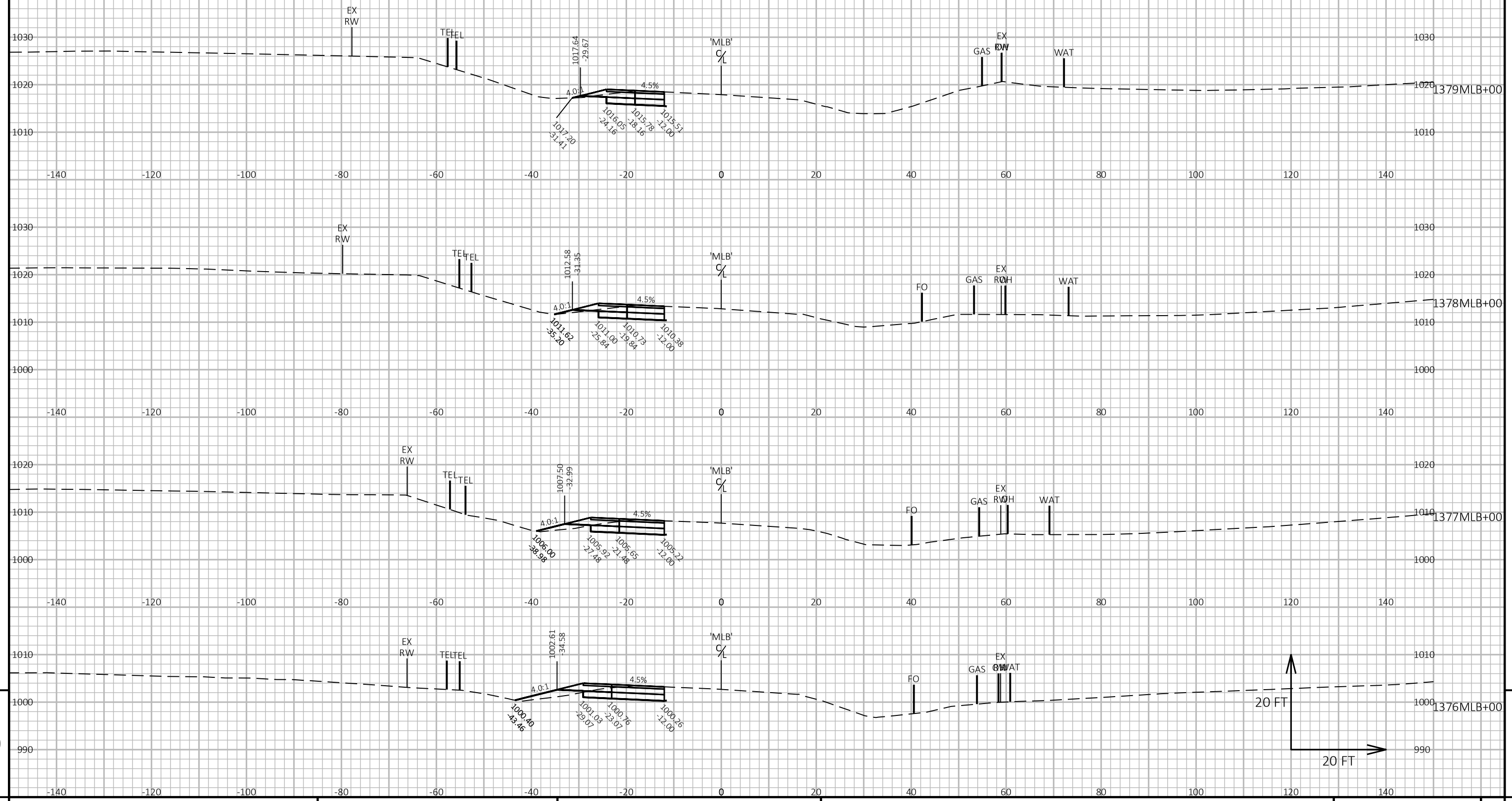


9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 338	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-13
PLOT DATE : 7/29/2022 10:54 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

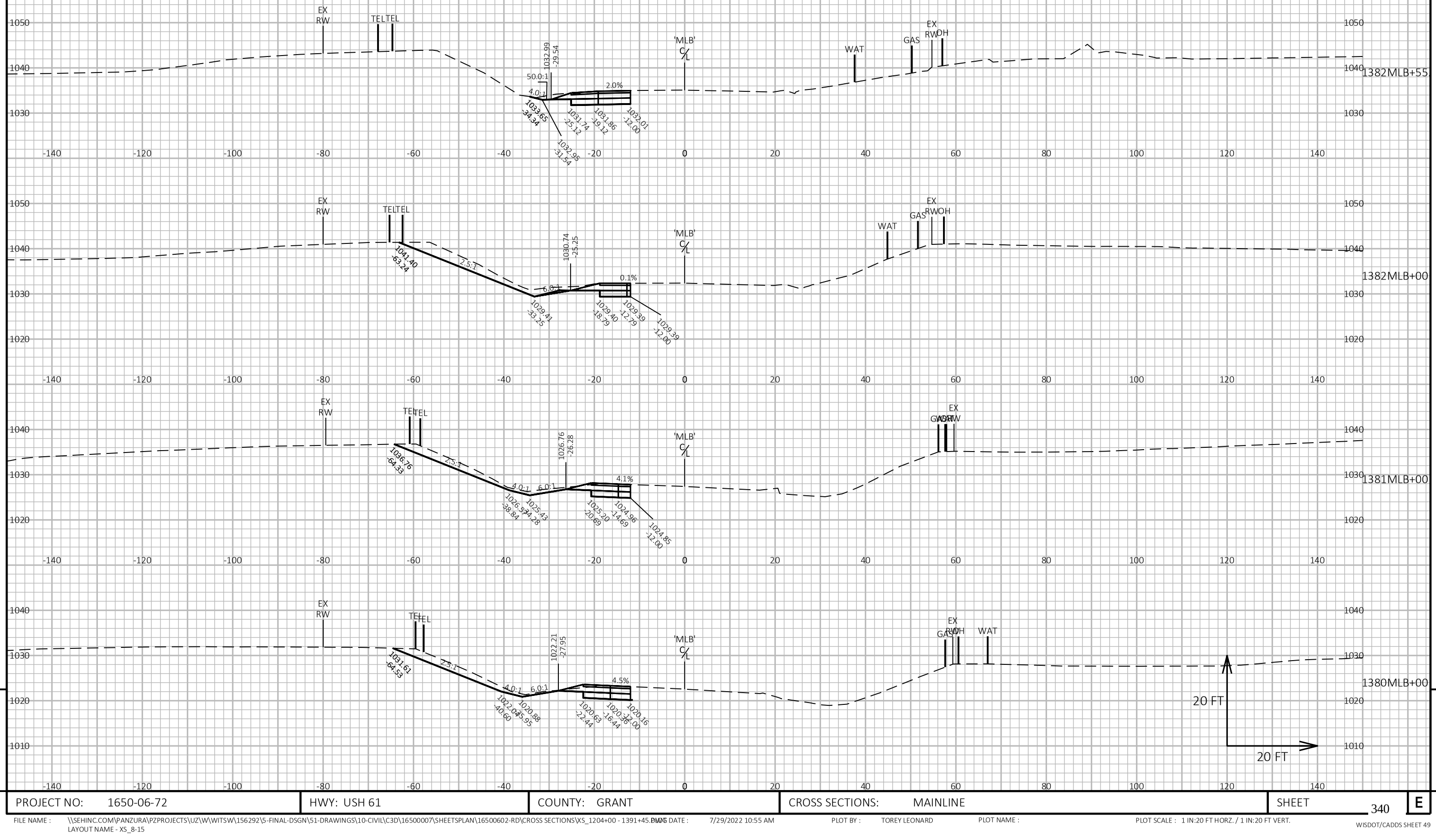
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 339	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-14

PLOT DATE : 7/29/2022 10:55 AM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

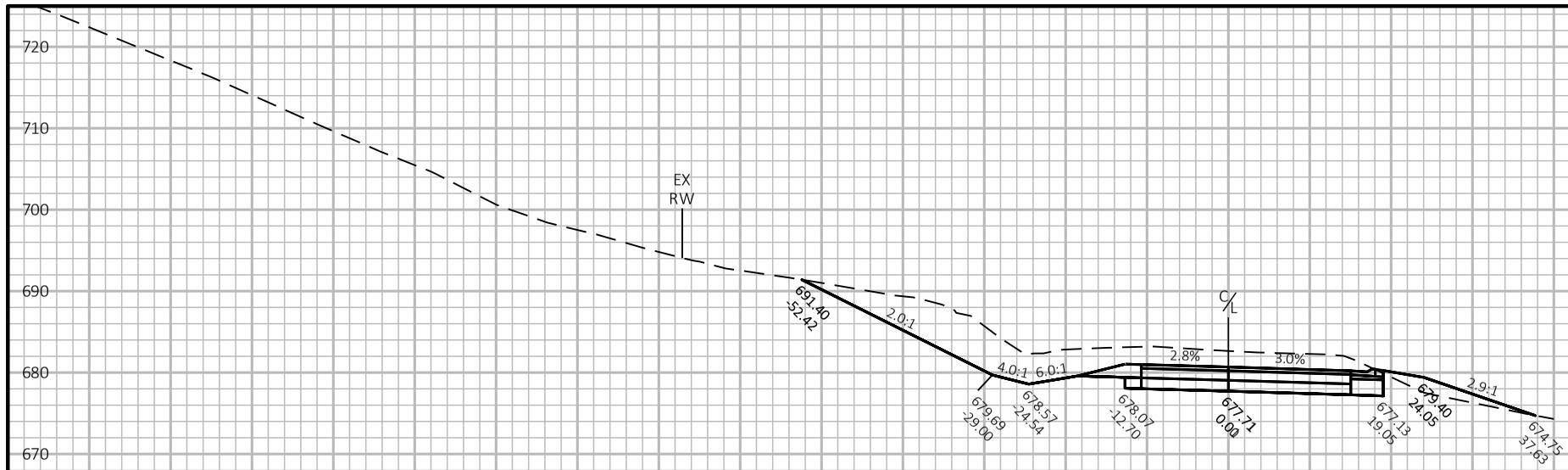
END CONSTRUCTION
STA 1382+56'MLB'



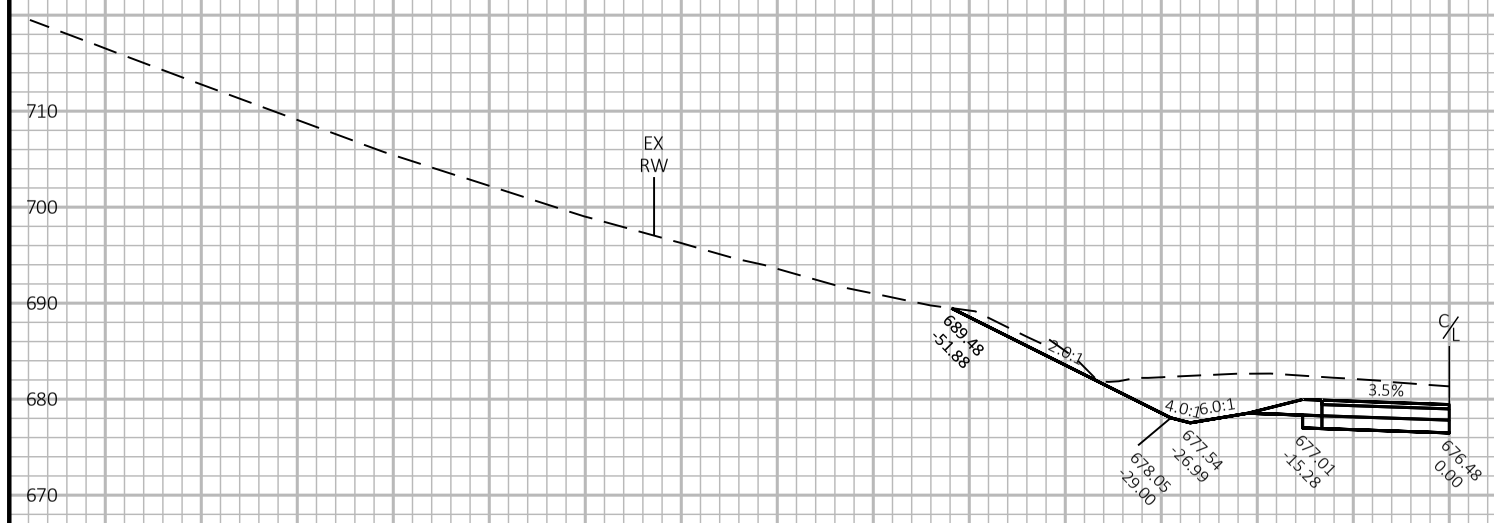
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: MAINLINE	SHEET 340	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS_1204+00 - 1391+45.DWG
LAYOUT NAME - XS_8-15
PLOT DATE : 7/29/2022 10:55 AM
PLOT BY : TOREY LEONARD
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

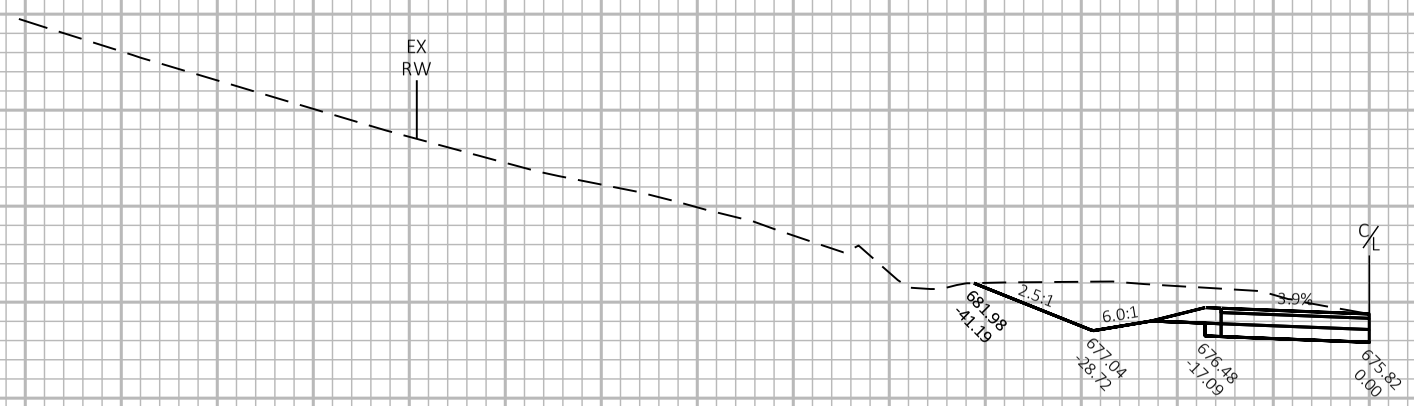
WISDOT/CADDS SHEET 49



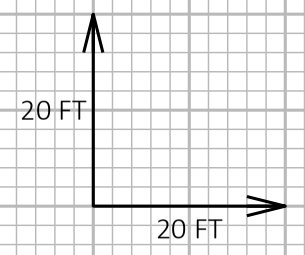
26'KL'+00



25'KL'+75



25'KL'+60

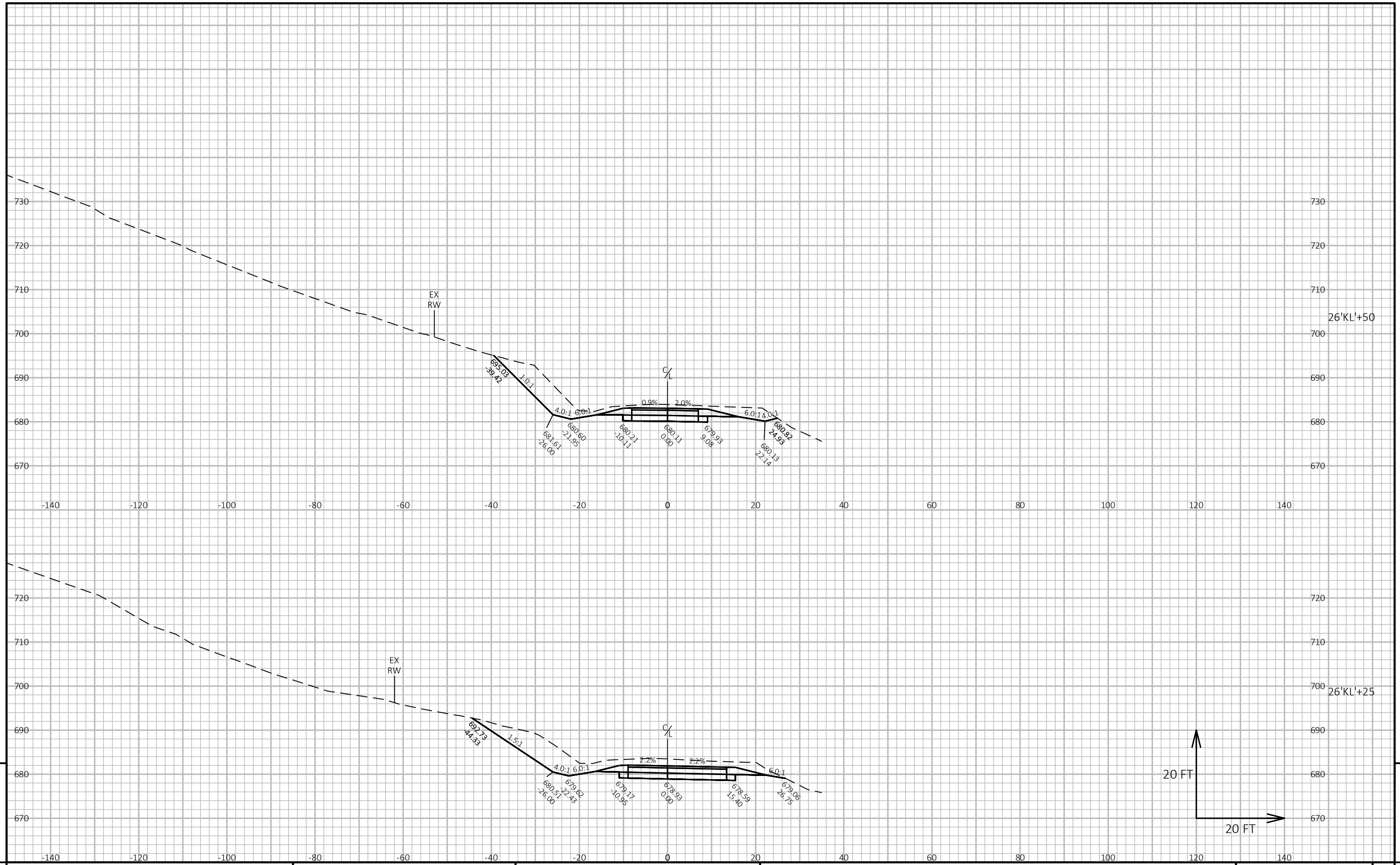


BEGIN CONSTRUCTION

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: KELLY LANE	SHEET 341 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_KL1

WISDOT/CADDS SHEET 49



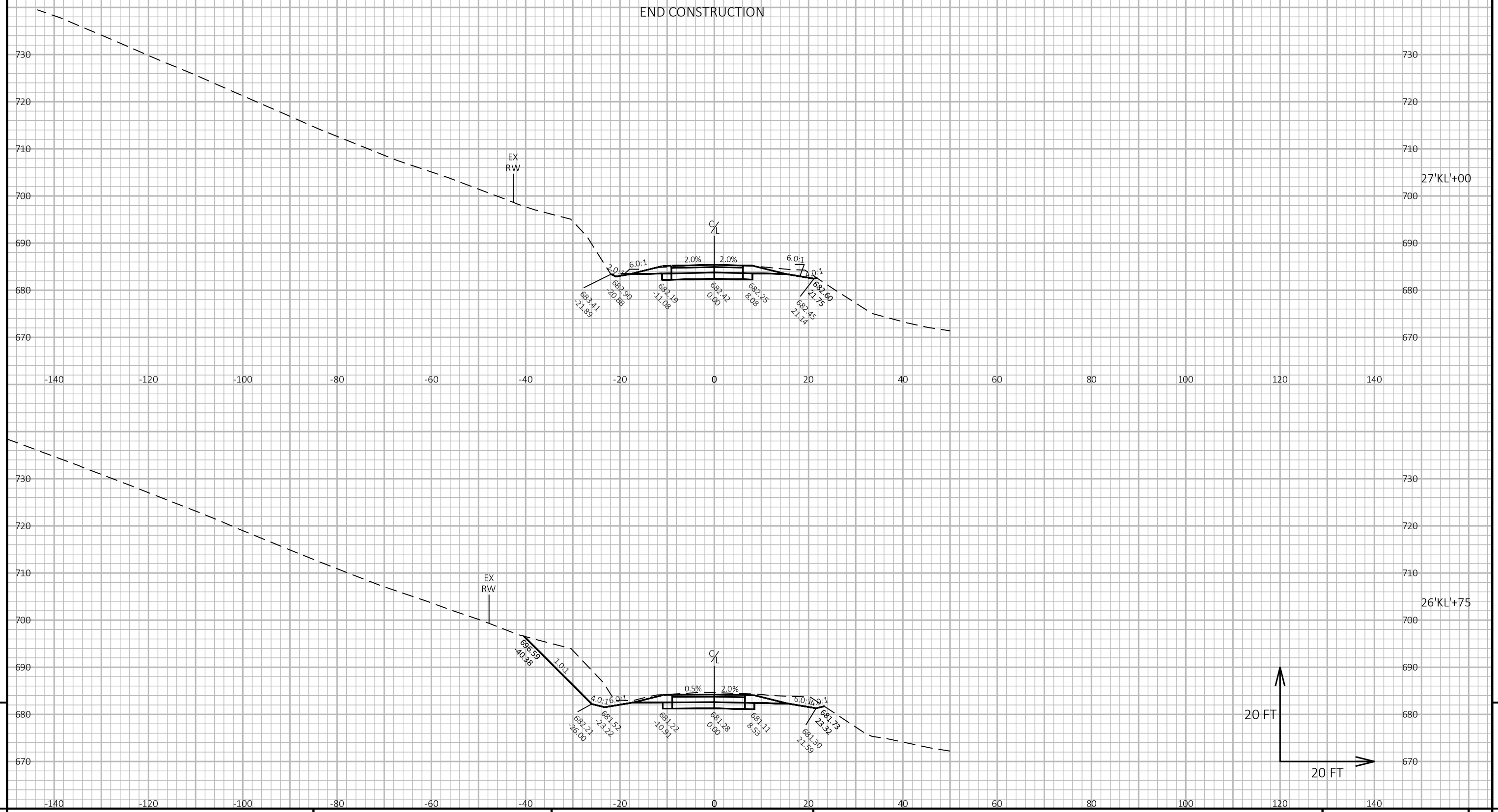
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: KELLY LANE	SHEET 342	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_KL2

END CONSTRUCTION

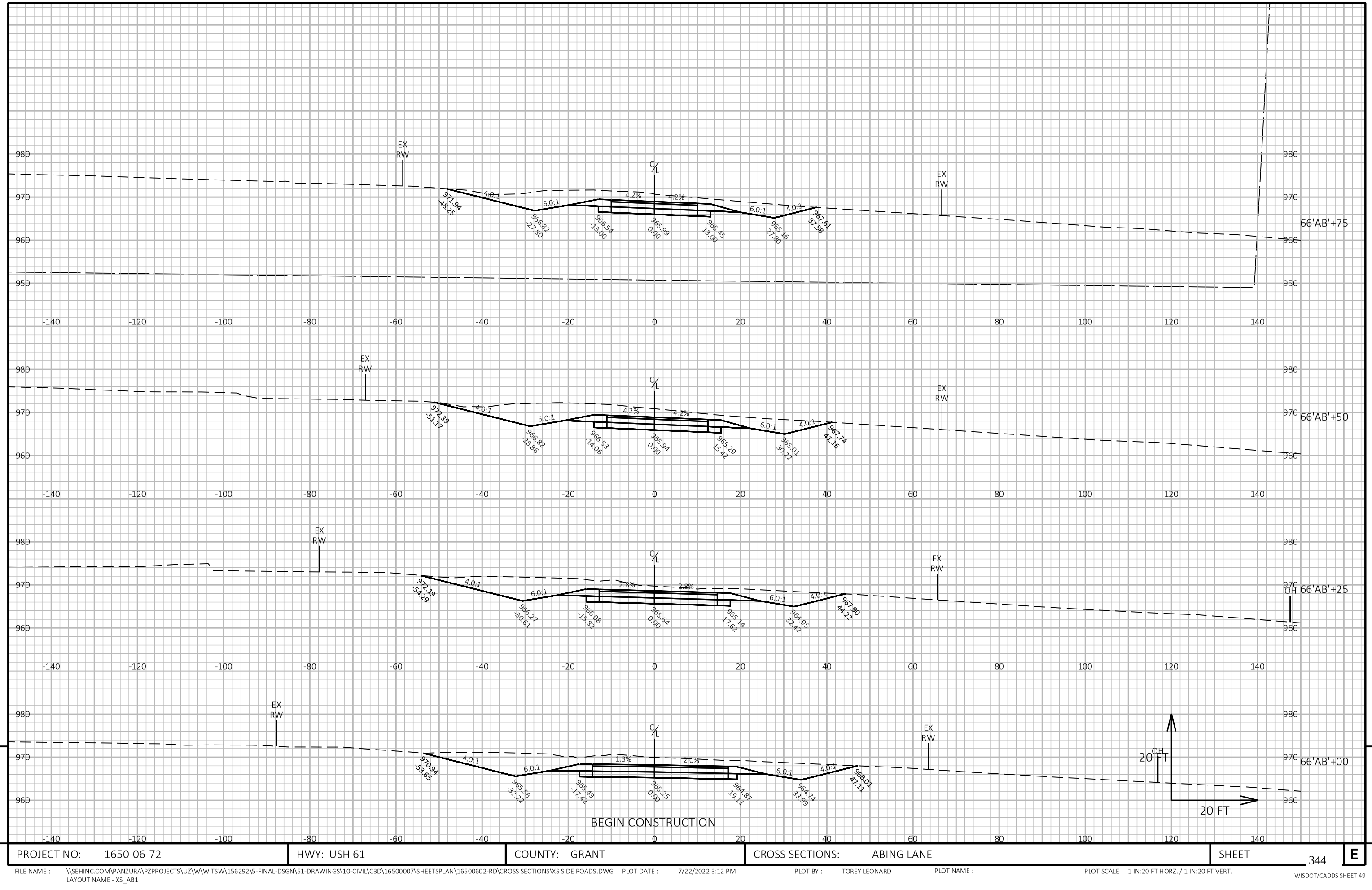


9

9

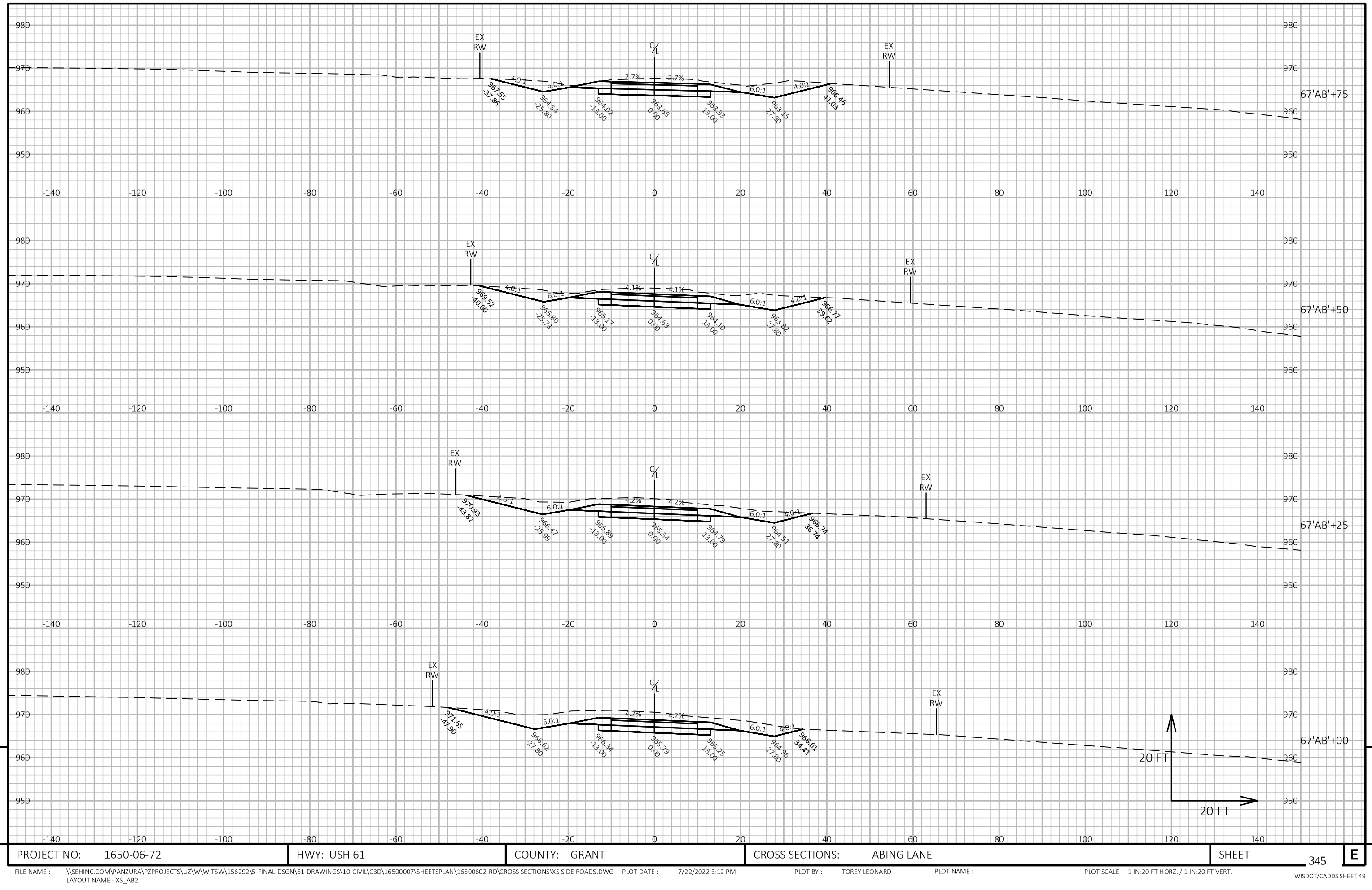
PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: KELLY LANE	SHEET 343	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:11 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_KL3



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: ABING LANE	SHEET 344 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_AB1



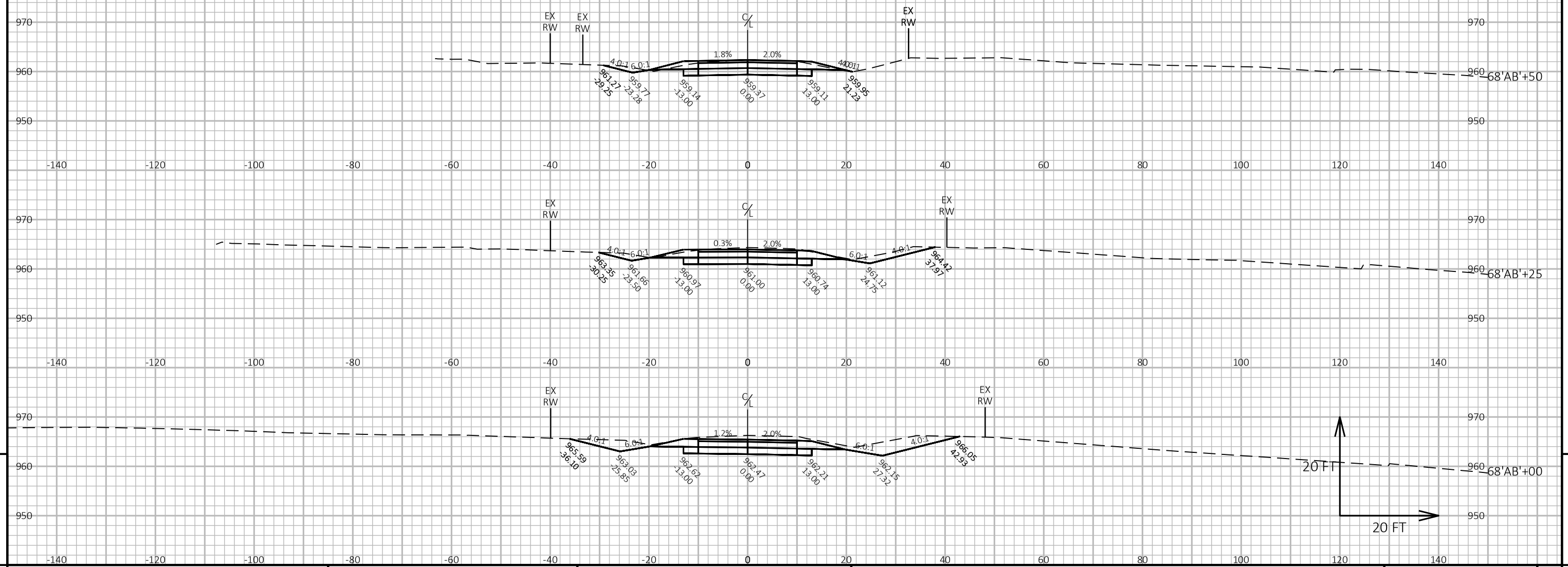
9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: ABING LANE	SHEET 345	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_AB2

END CONSTRUCTION



9

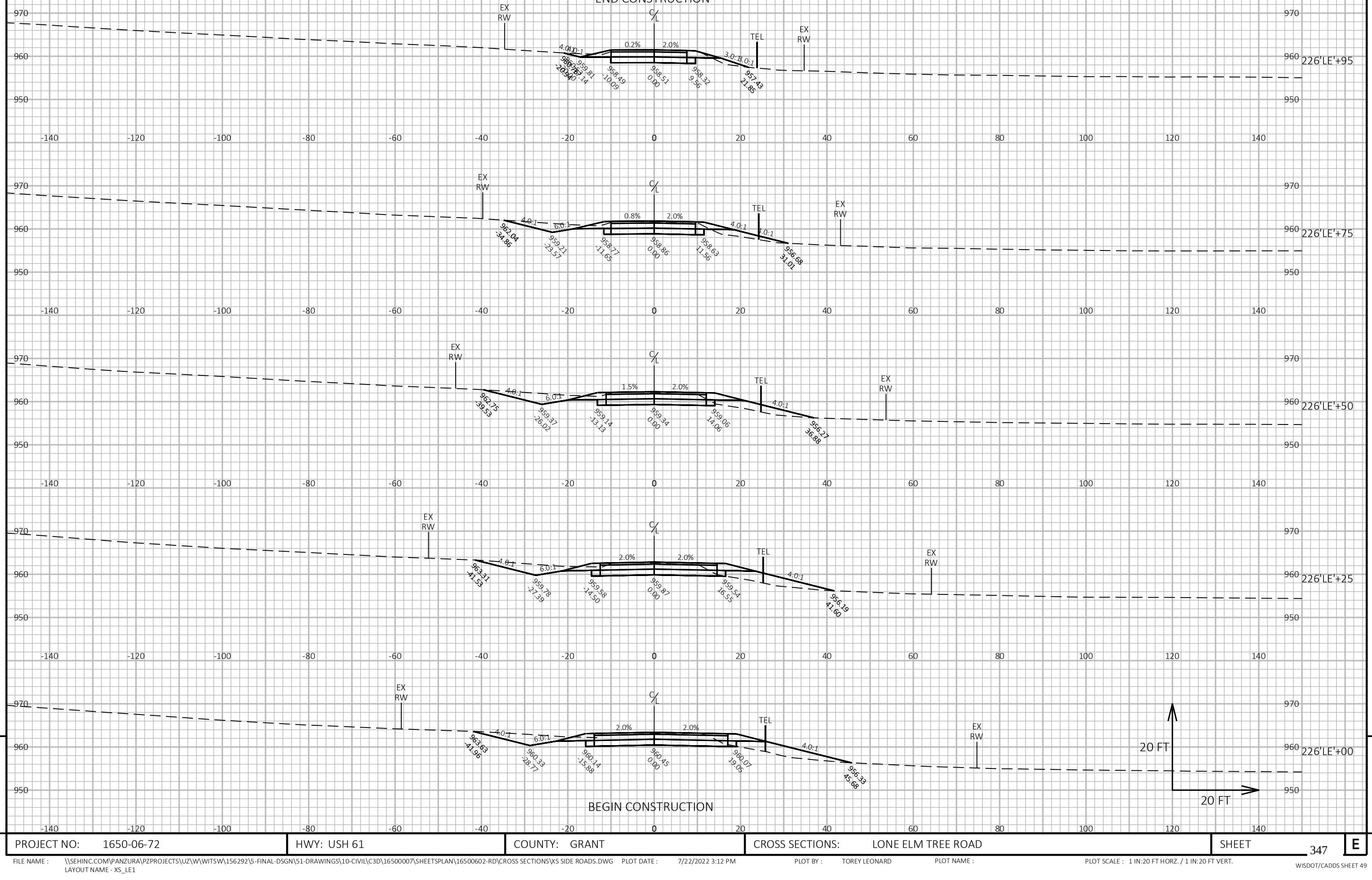
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: ABING LANE	SHEET 346	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_AB3

WISDOT/CADDS SHEET 49

END CONSTRUCTION



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: LONE ELM TREE ROAD	SHEET 347	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:12 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_LE1
WISDOT/CADDS SHEET 49

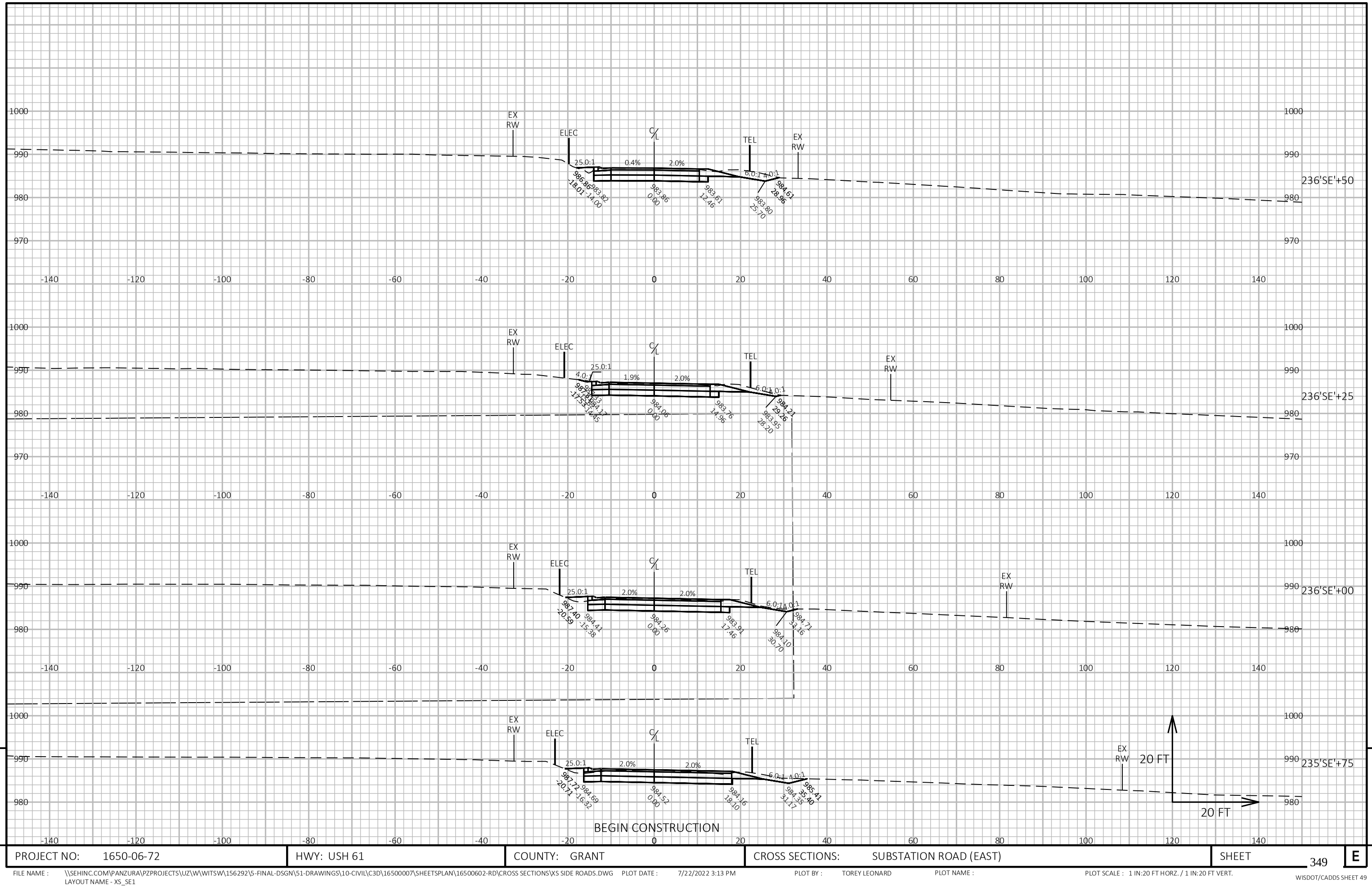
END CONSTRUCTION



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: SUBSTATION ROAD (WEST)	SHEET 348 E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:13 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_SW1

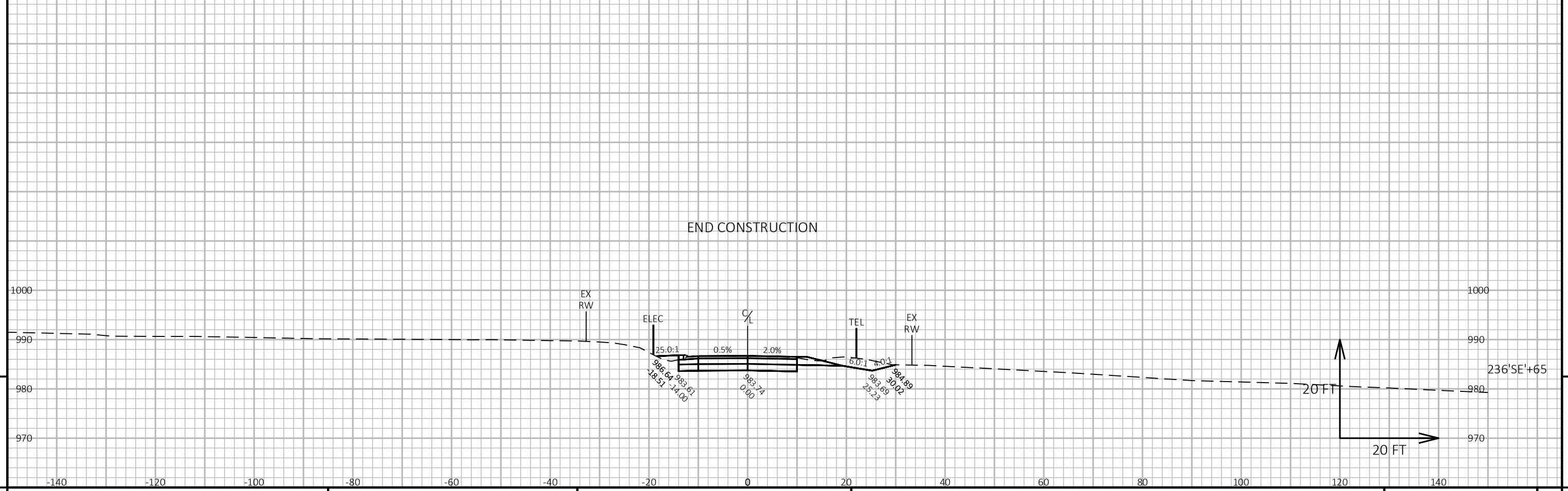
WISDOT/CADDS SHEET 49



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: SUBSTATION ROAD (EAST)	SHEET 349	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:13 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_SE1

END CONSTRUCTION



9

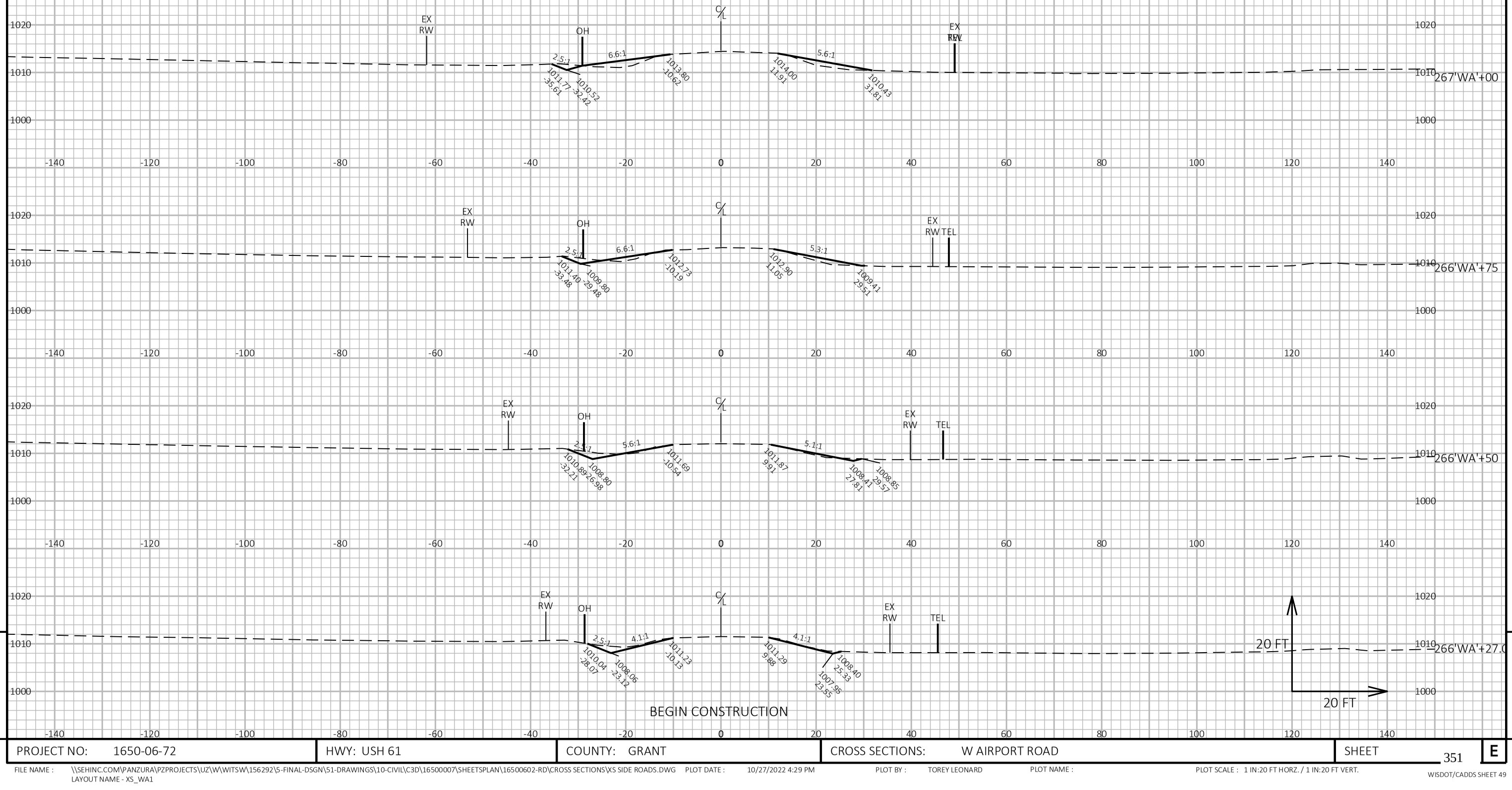
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: SUBSTATION ROAD (EAST)	SHEET 350	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:13 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_SE2

WISDOT/CADDS SHEET 49

END CONSTRUCTION



BEGIN CONSTRUCTION

9

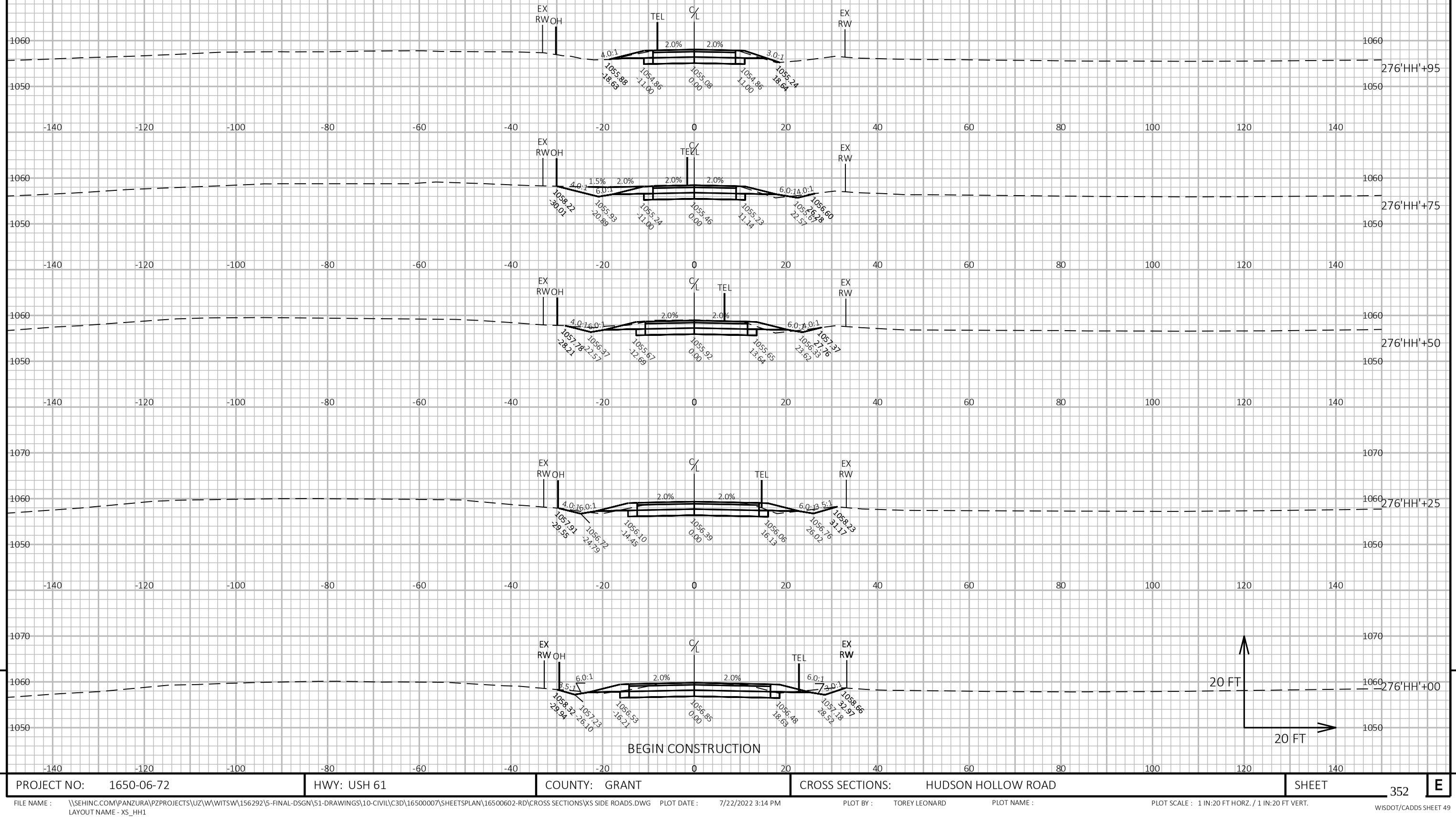
9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: W AIRPORT ROAD	SHEET 351	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 10/27/2022 4:29 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_WA1

WISDOT/CADDS SHEET 49

END CONSTRUCTION



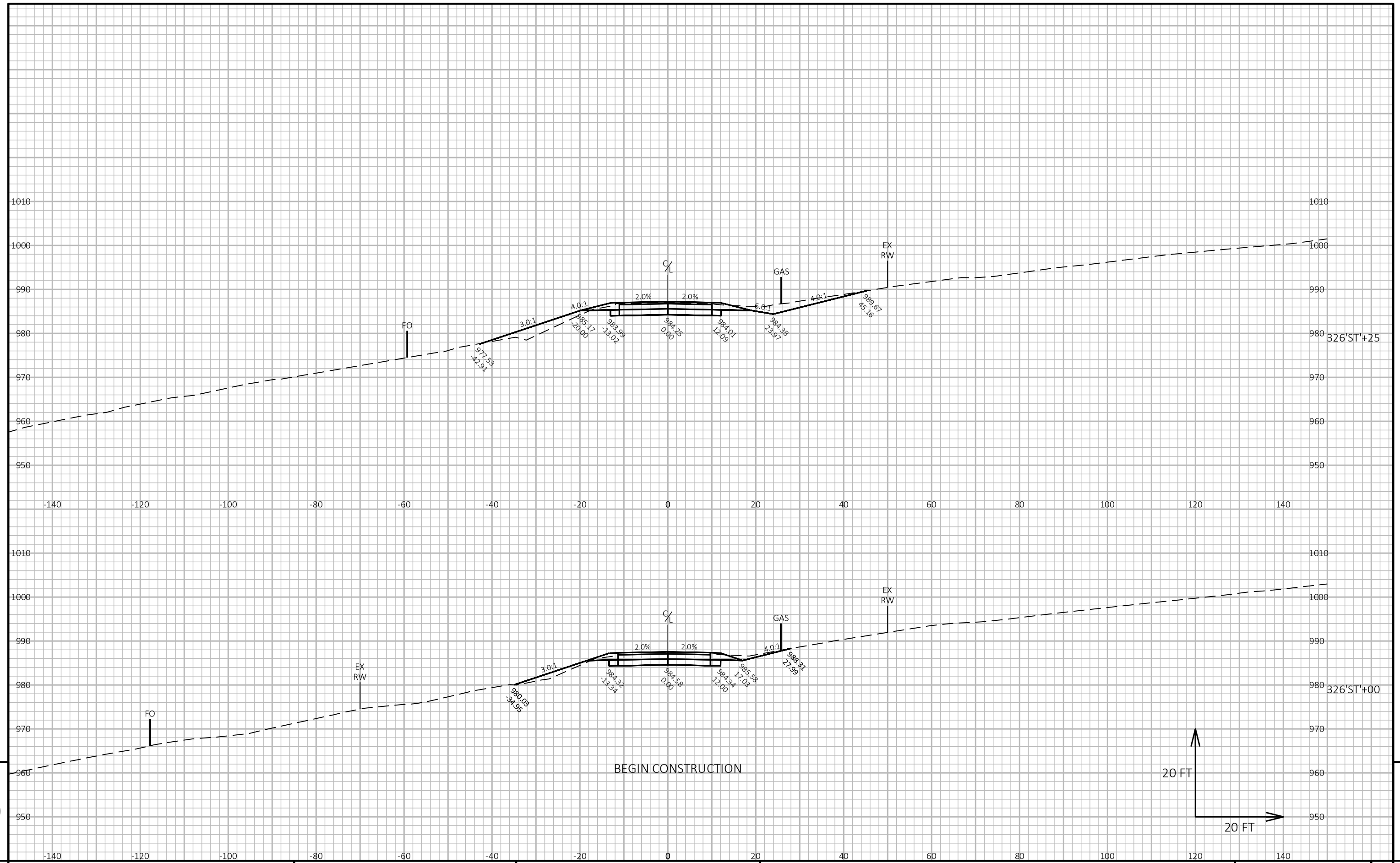
BEGIN CONSTRUCTION

9

9

PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: HUDSON HOLLOW ROAD	SHEET 352	E

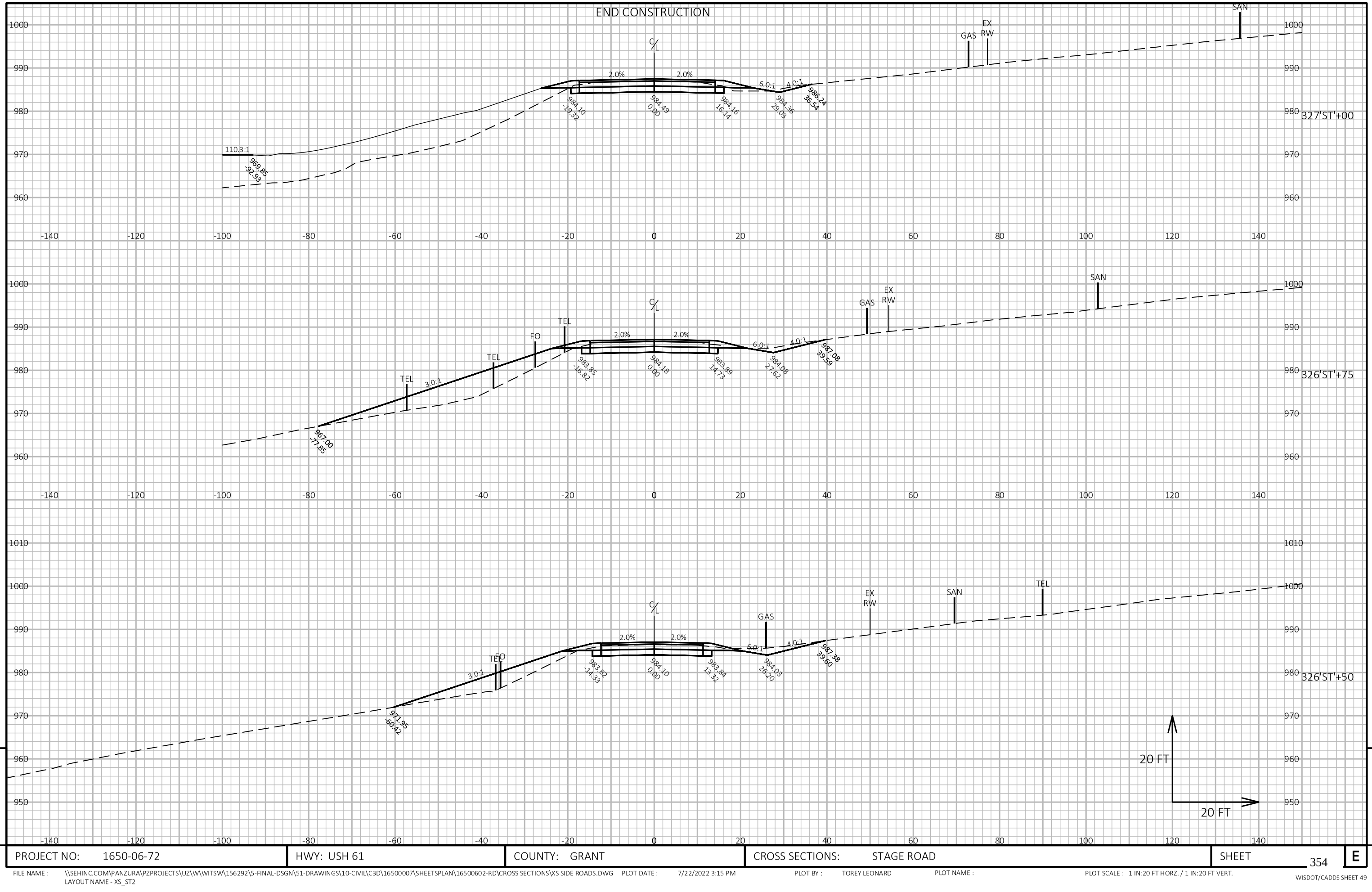
FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:14 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_HH1



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STAGE ROAD	SHEET 353	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:14 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_ST1
WISDOT/CADDS SHEET 49

END CONSTRUCTION



PROJECT NO: 1650-06-72	HWY: USH 61	COUNTY: GRANT	CROSS SECTIONS: STAGE ROAD	SHEET 354	E

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\UZ\W\WITSW\156292\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\C3D\16500007\SHEETSPLAN\16500602-RD\CROSS SECTIONS\XS SIDE ROADS.DWG PLOT DATE : 7/22/2022 3:15 PM PLOT BY : TOREY LEONARD PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
LAYOUT NAME - XS_ST2

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov