LAX

Dec 13, 2022

PROJECT ID: 1640-04-72

WITH: N/A

COUNTY: VERNON

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 = 396



N

DESIGN DESIGNATION

A.A.D.T.	2022	=	6,900
A.A.D.T.	2042	=	7,500
D.H.V.		=	11.6%
D.D.		=	60/40
T.		=	13.8%
DESIGN SPEED		=	60 MPH
ESALS		=	2,500,000

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

WESTBY - READSTOWN

EAST JUNCTION STH 27

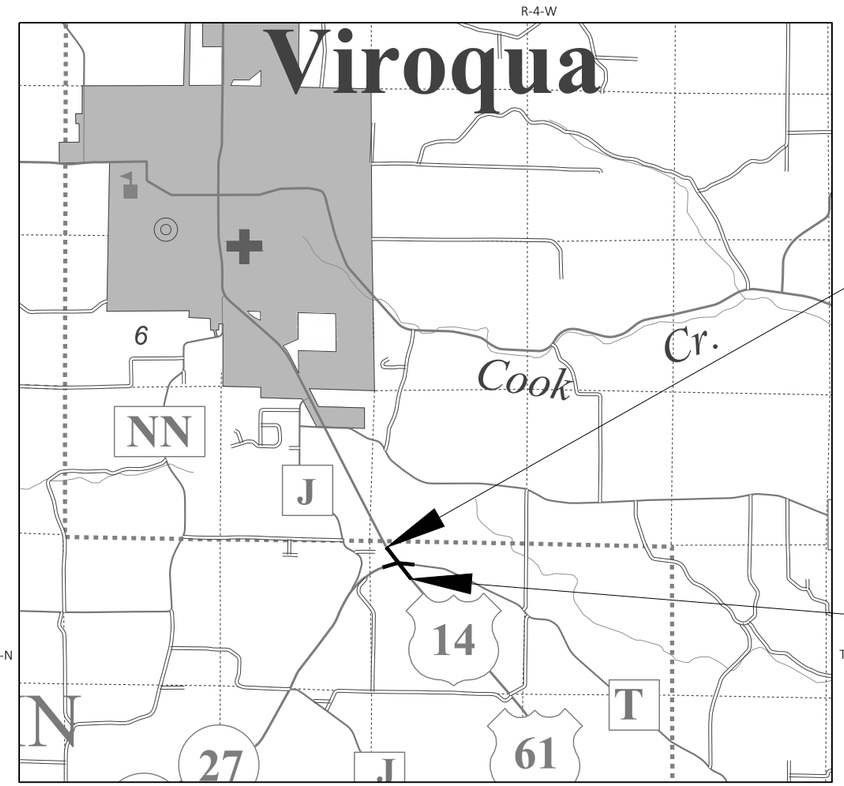
USH 14

VERNON COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1640-04-72	WISC 2023085	1

STATE PROJECT NUMBER

1640-04-72



BEGIN PROJECT
STA 457+24 'EBA'
X = 707875.6665
Y = 137195.9747

END PROJECT
STA 474+00 'EBE'
X = 708906.3070
Y = 135900.3628

LAYOUT

SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 0.641 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), VERNON 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 18.

ORIGINAL PLANS PREPARED BY

SEH

WISCONSIN
JEREMY J TOMESH
E-398986
LA CROSSE
WI
PROFESSIONAL ENGINEER

7/21/2022 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	SEH
Project Manager	JAY ADAMS
Regional Examiner	WISDOT SW REGION
Regional Supervisor	REINY YAHNKE

APPROVED FOR THE DEPARTMENT

DATE: 7/21/2022 (Signature)

E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/21/2022 1:56 PM PLOT BY : CLARISSA ERBS PLOT NAME :

2

GENERAL NOTES

1. USH 14/61 IS A HIGH CLEARANCE AND AN OSOW ROUTE. ANY NEW OR RELOCATED VERTICAL OBSTRUCTIONS SHALL HAVE 20' MINIMUM VERTICAL CLEARANCE.
2. ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.
3. 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.
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, AND SEEDED AND MULCHED OR EROSION MATTED.
7. LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.
8. A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.
9. THE 5.5" THICK HMA PAVEMENT SHALL CONSIST OF A 2.5" 4 MT 58-28 H UPPER LAYER & 3" 3 MT 58-28 S LOWER LAYER. THE 4.5" THICK HMA PAVEMENT SHALL CONSIST OF A 2.0" 4 MT 58-28 H UPPER LAYER & 2.5" 3 MT 58-28 S LOWER LAYER. THE 4.0" THICK HMA PAVEMENT SHALL CONSIST OF A 1.75" 4 MT 58-28 H UPPER LAYER & 2.25" 3 MT 58-28 S LOWER LAYER.
10. APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACES AND 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.
11. A CONVERSION FACTOR OF 2.1 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 3/4-INCH.
12. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 1 1/4-INCH.
13. A CONVERSION FACTOR OF 1.8 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.
14. 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.
15. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
16. 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, PASSING OR PARKING LANE.
17. 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.

DESIGN CONTACTS

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WDNR LIAISON

DNR SERVICE CENTER
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3550 MORMON COULEE RD
LA CROSSE, WI 54601
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EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

UTILITIES

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1851 N 14TH AVE
WAUSAW, WI 54401
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EMAIL: JEREMY.ZEHM@FTR.COM

MADISON GAS AND ELECTRIC COMPANY - GAS/PETROLEUM
MIKE SAVAGE
133 S BLAIR ST
MADISON, WI 53718
PHONE: 608-235-2345
EMAIL: MSAVAGES@MGE.COM

MEDIACOM WISCONSIN LLC - COMMUNICATION LINE
CRAIG EGGERT
1240 HIGHWAY 52
CHATFIELD, MN 55923
PHONE: 563-419-5160
EMAIL: CEGGERT@MEDIACOMCC.COM

VERNON ELECTRIC COOPERATIVE - ELECTRICITY
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WESTBY, WI 54667
PHONE: 608-632-1602
EMAIL: MSEE@VERNONELECTRIC.ORG

VERNON COMMUNICATIONS COOPERATIVE
SCOTT FREDERICK
103 N MAIN ST
WESTBY, WI 54667
PHONE: 608-632-0607
EMAIL: SFREDERICK@VERNONCOM.COOP

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
CL	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPCS	CULVERT PIPE CORRUGATED STEEL
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 OR 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
MCE	MARKERS CULVERT END
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 OR ~	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

ORDER OF SECTION 2 SHEETS

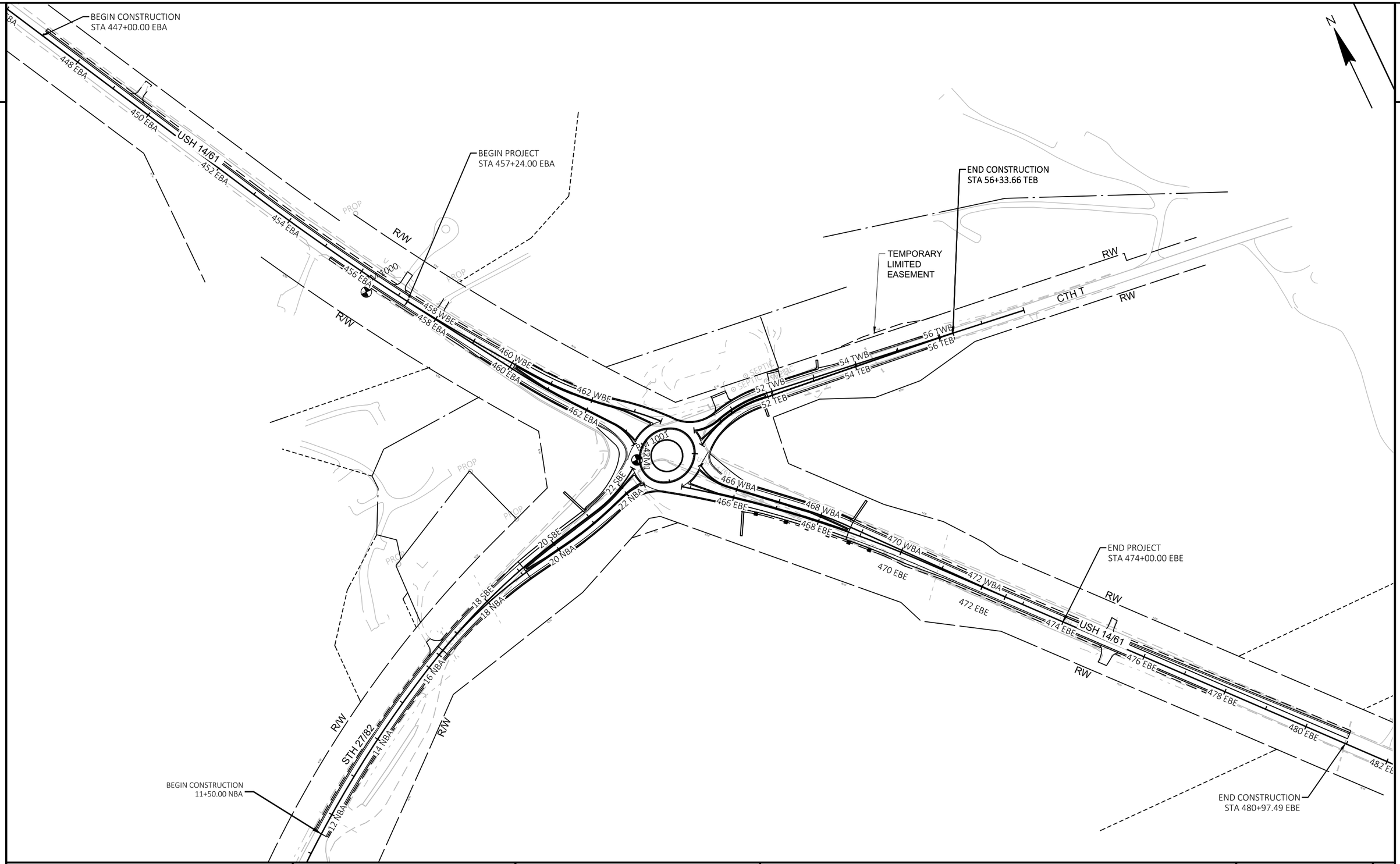
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CONTROL POINTS
PLAN DETAILS
EROSION CONTROL
STORM SEWER DETAILS
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL DETAILS
STAGING PLANS
ALIGNMENT DETAILS

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (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											

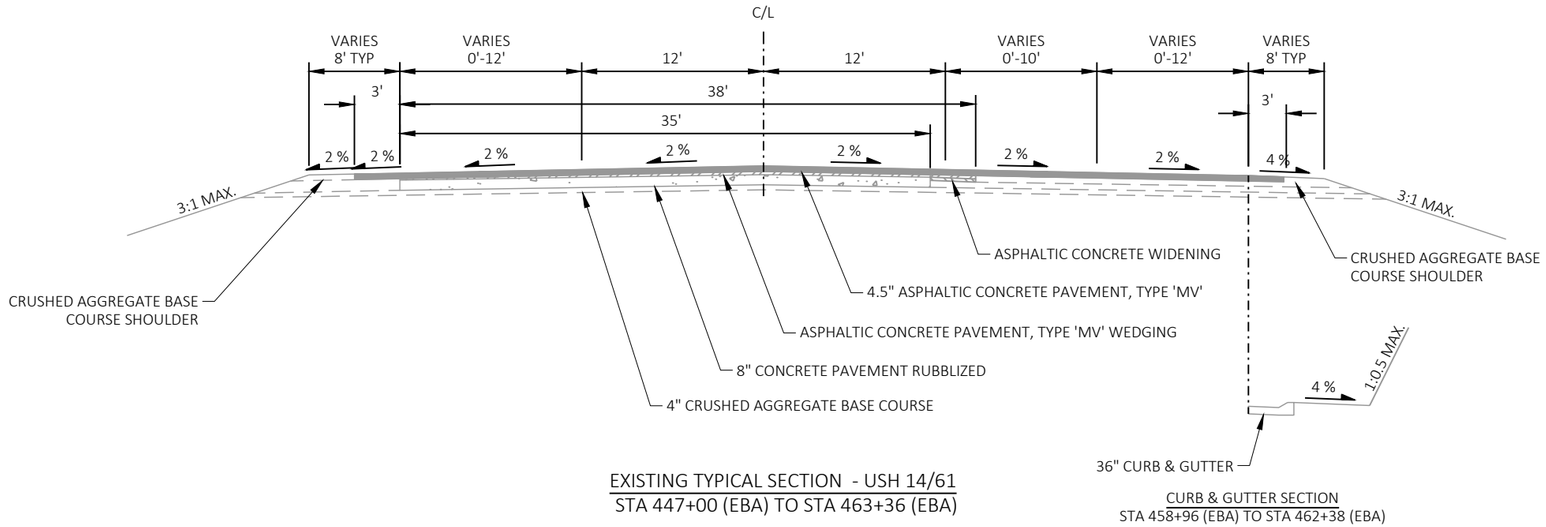
TOTAL PROJECT AREA = 21.5 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 11.3 ACRES

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



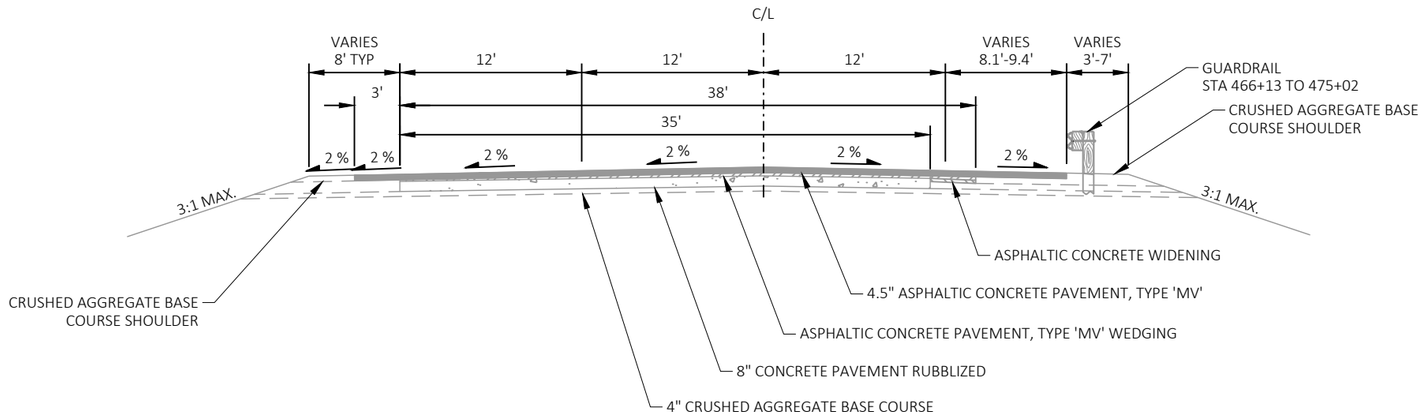
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL SECTION - USH 14/61
STA 447+00 (EBA) TO STA 463+36 (EBA)

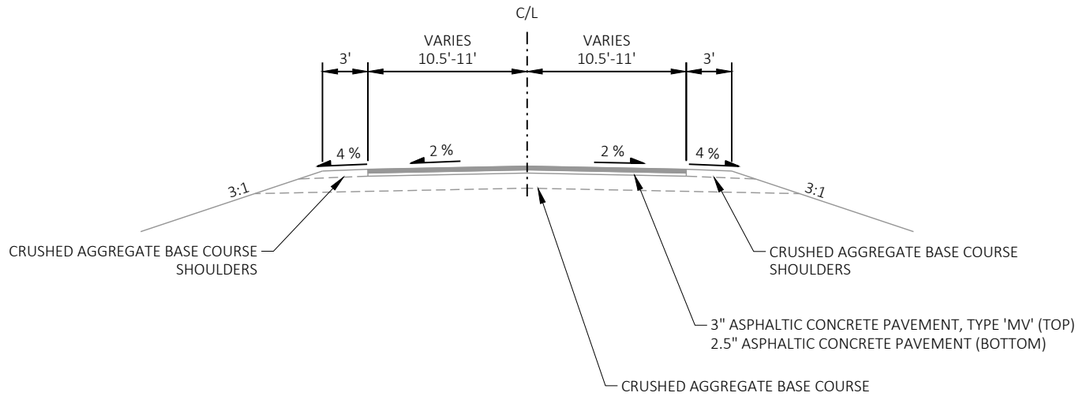
CURB & GUTTER SECTION
STA 458+96 (EBA) TO STA 462+38 (EBA)



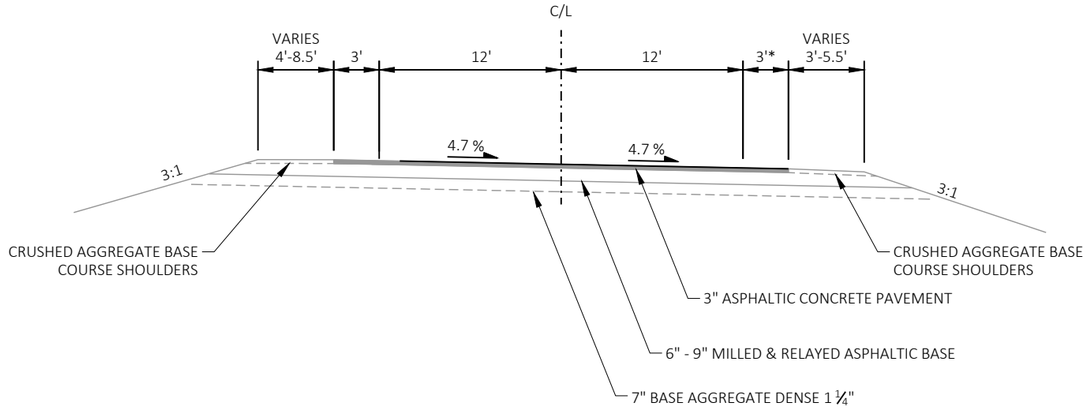
EXISTING TYPICAL SECTION - USH 14/61
STA 464+80 (EBE) TO STA 480+97 (EBE)

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TYPICAL SECTIONS	SHEET 4	E

2

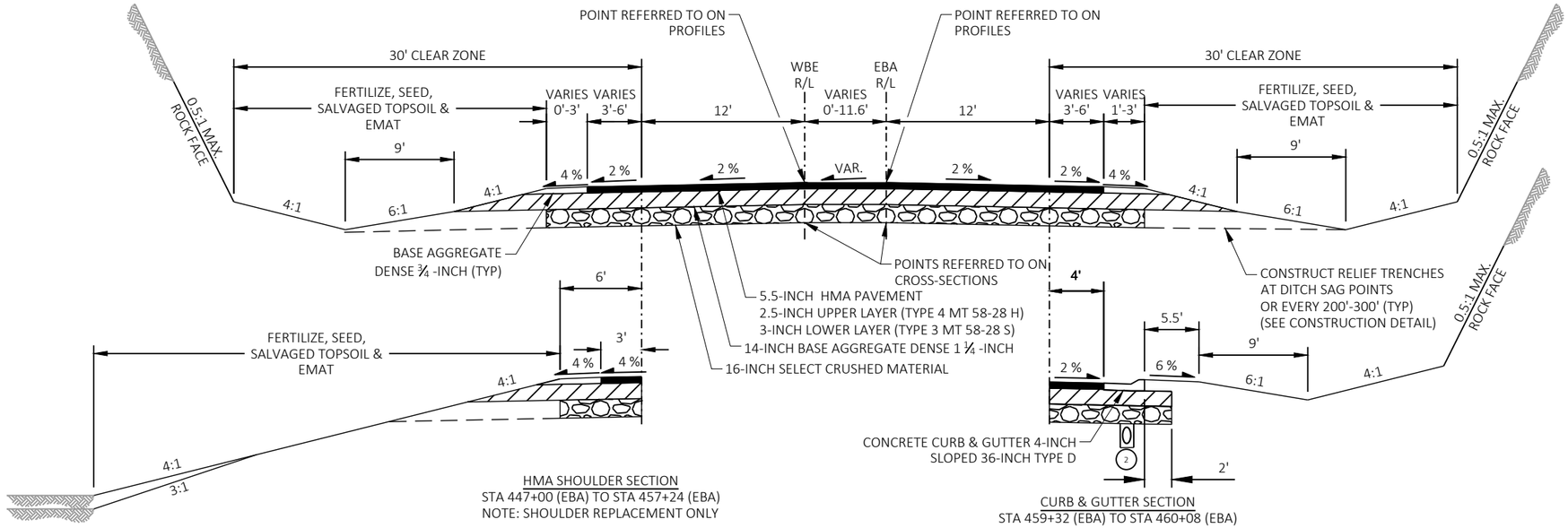


EXISTING TYPICAL SECTION - CTH T
STA 50+00 (TEB) TO STA 56+33 (TEB)



EXISTING TYPICAL SECTION - STH 27/82
STA 11+50 (NBA) TO STA 22+45 (NBA)

*22' SHOULDER STA 21+24 TO STA 22+98
(DESIGNATED RIGHT TURN LANE)

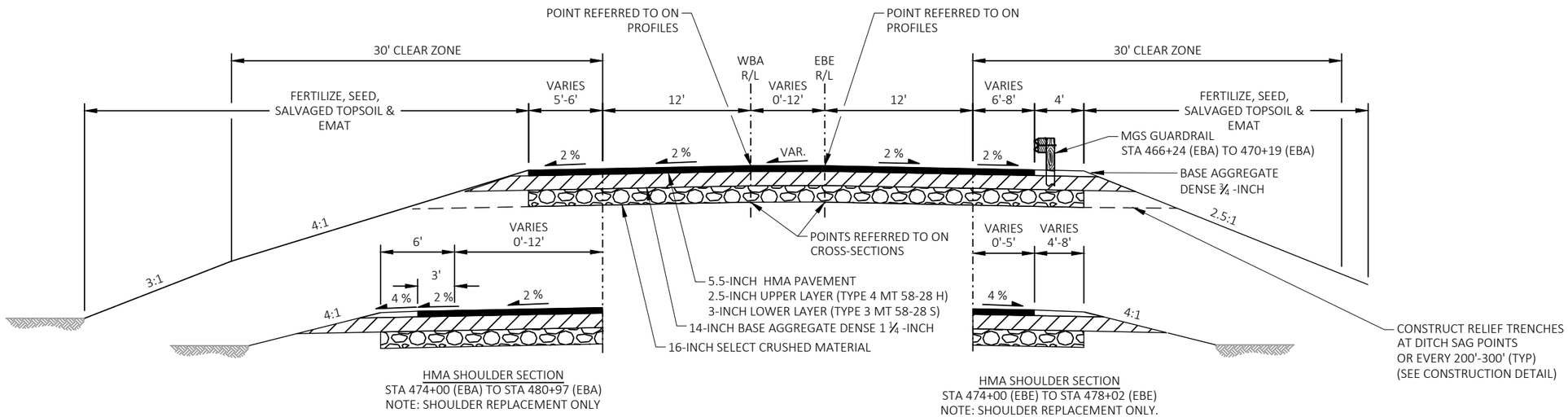


HMA SHOULDER SECTION
STA 447+00 (EBA) TO STA 457+24 (EBA)
NOTE: SHOULDER REPLACEMENT ONLY

CURB & GUTTER SECTION
STA 459+32 (EBA) TO STA 460+08 (EBA)

FINISHED TYPICAL SECTION - USH 14/61
STA 457+24 (EBA) TO STA 460+08 (EBA)
STA 457+25 (WBE) TO STA 460+08 (WBE)

NOTES
(2) PIPE UNDERDRAIN, 6-INCH



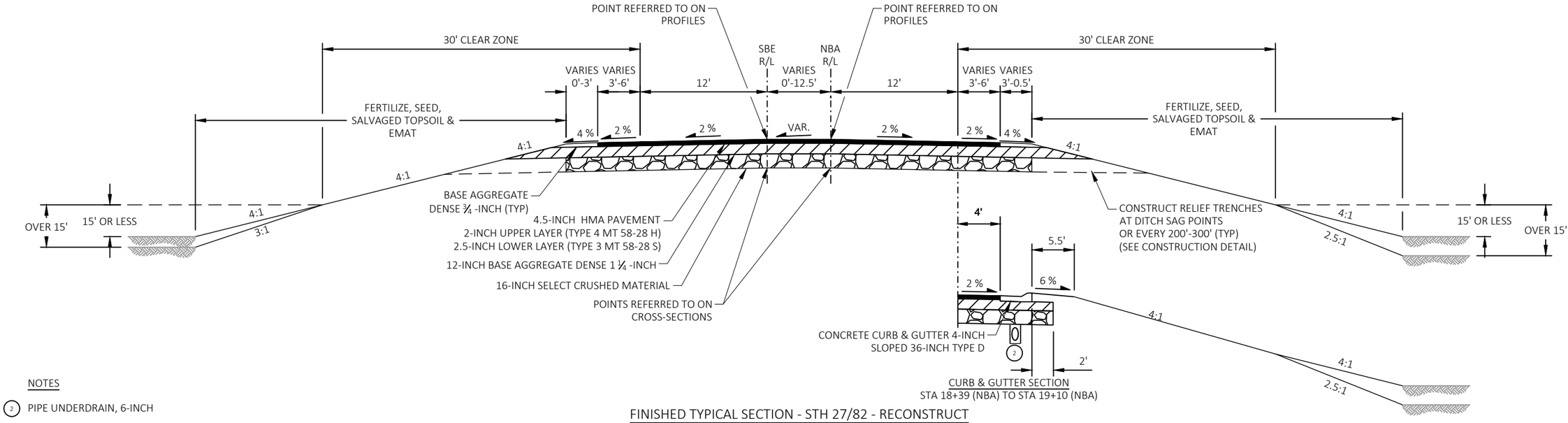
HMA SHOULDER SECTION
STA 474+00 (EBA) TO STA 480+97 (EBA)
NOTE: SHOULDER REPLACEMENT ONLY

HMA SHOULDER SECTION
STA 474+00 (EBE) TO STA 478+02 (EBE)
NOTE: SHOULDER REPLACEMENT ONLY.

FINISHED TYPICAL SECTION - USH 14/61
STA 468+72 (EBE) TO STA 474+00 (EBE)
STA 468+73 (WBA) TO 472+57 (WBA)

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TYPICAL SECTIONS	SHEET 6	E

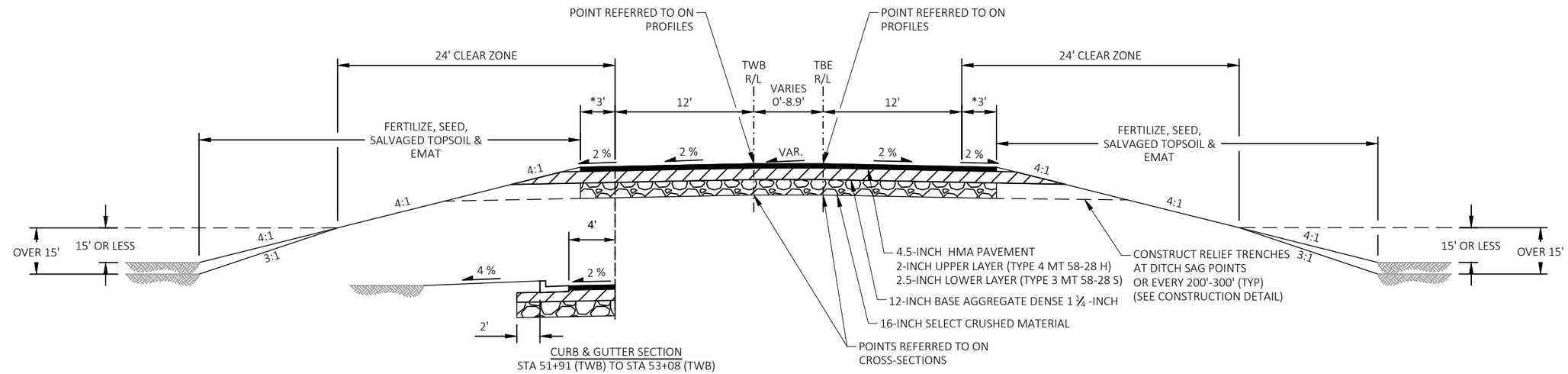
2



NOTES

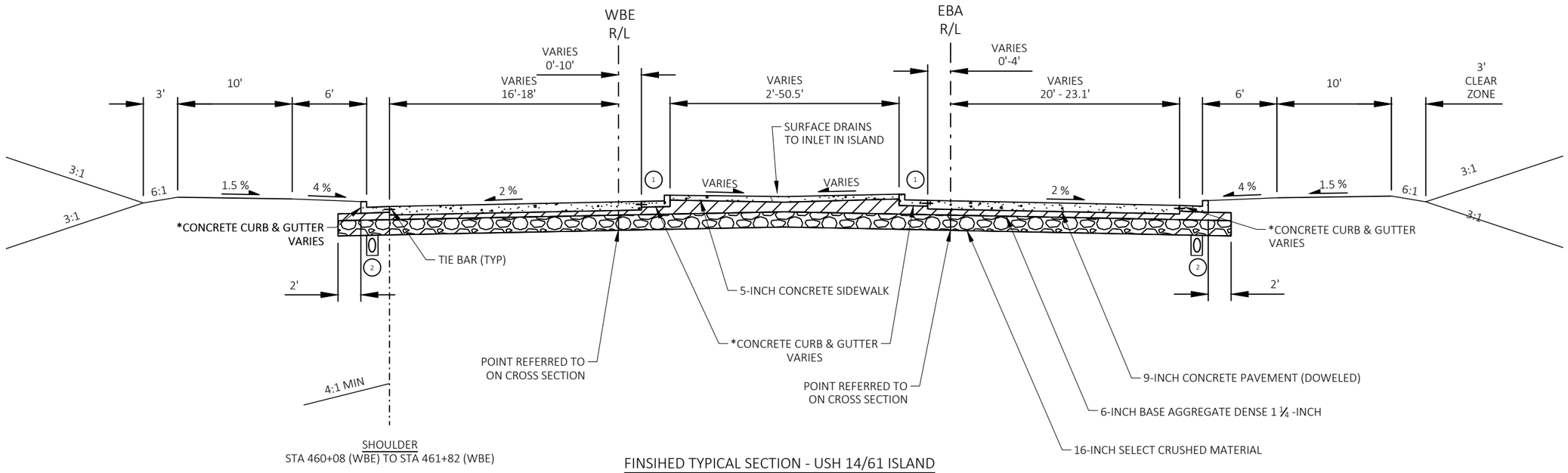
(2) PIPE UNDERDRAIN, 6-INCH

FINISHED TYPICAL SECTION - STH 27/82 - RECONSTRUCT
STA 16+50 (NBA) TO STA 19+10 (NBA)
STA 16+37 (SBE) TO STA 19+12 (SBE)



* SHOULDER TAPERS FROM 3' TO 0', TO MATCH INTO EXISTING, STA 55+51 TWB - STA 56+33 TWB.

FINISHED TYPICAL SECTION - CTH T
STA 51+93 (TEB) TO STA 54+81 (TEB)
STA 51+91 (TWB) TO STA 56+33 (TWB)

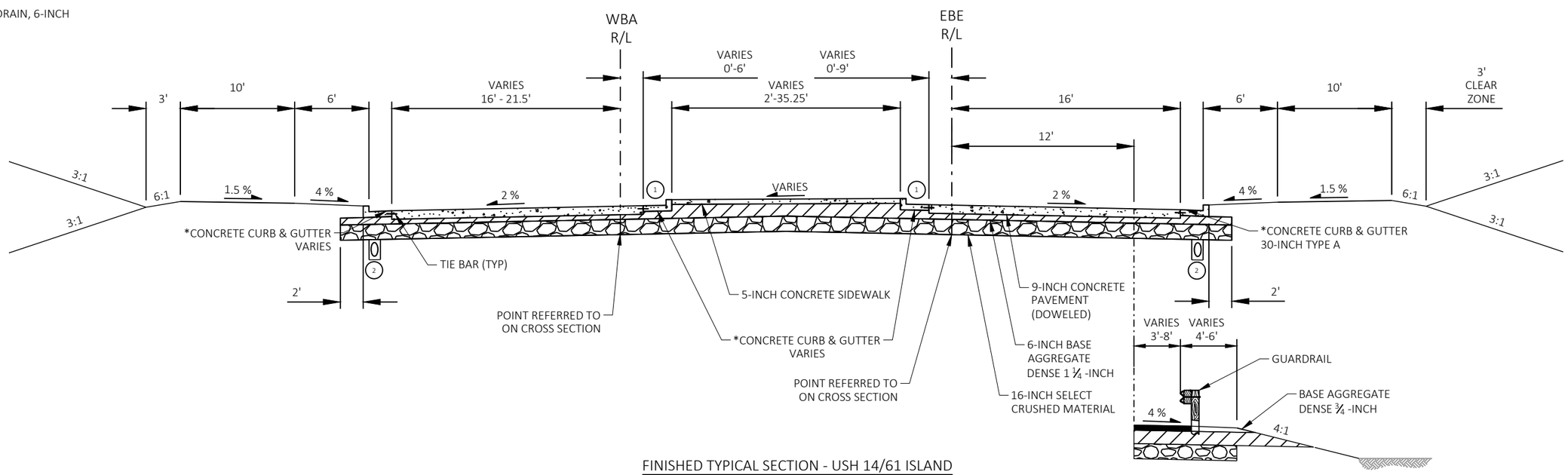


FINSIHED TYPICAL SECTION - USH 14/61 ISLAND
STA 460+08 (EBA) TO STA 463+36 (EBA)
STA 460+08 (WBE) TO STA 463+64 (WBE)

NOTES

(1) REVERSE SLOPE GUTTER SAME AS ADJACENT PAVEMENT

(2) PIPE UNDERDRAIN, 6-INCH

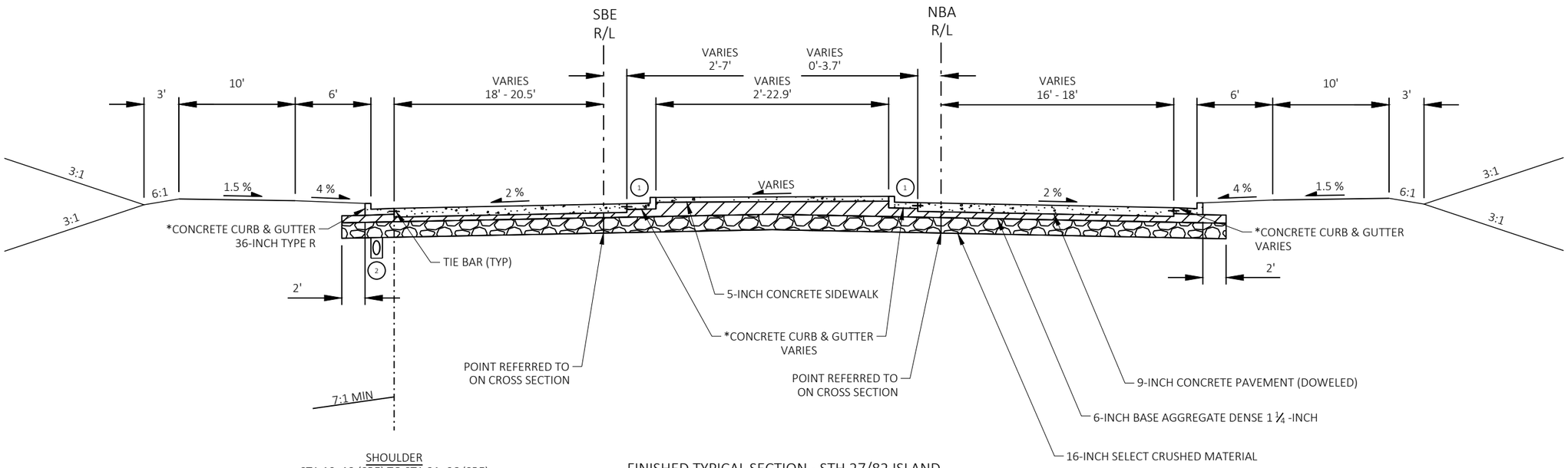


FINISHED TYPICAL SECTION - USH 14/61 ISLAND
STA 464+80 (EBE) TO STA 468+72 (EBE)
STA 464+98 (WBA) TO STA 468+73 (WBA)

BEAM GUARD SECTION
STA 466+24 (EBE) TO STA 470+19 (EBE)
UTILIZE SAME PAVEMENT STRUCTURE FOR SHOULDER
AREA AS USH 14/61 STA 468+72 EBE TO STA 474+00 EBE

*SEE PLAN DETAILS FOR CURB AND GUTTER TYPE LOCATIONS.
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TYPICAL SECTIONS	SHEET 8	E

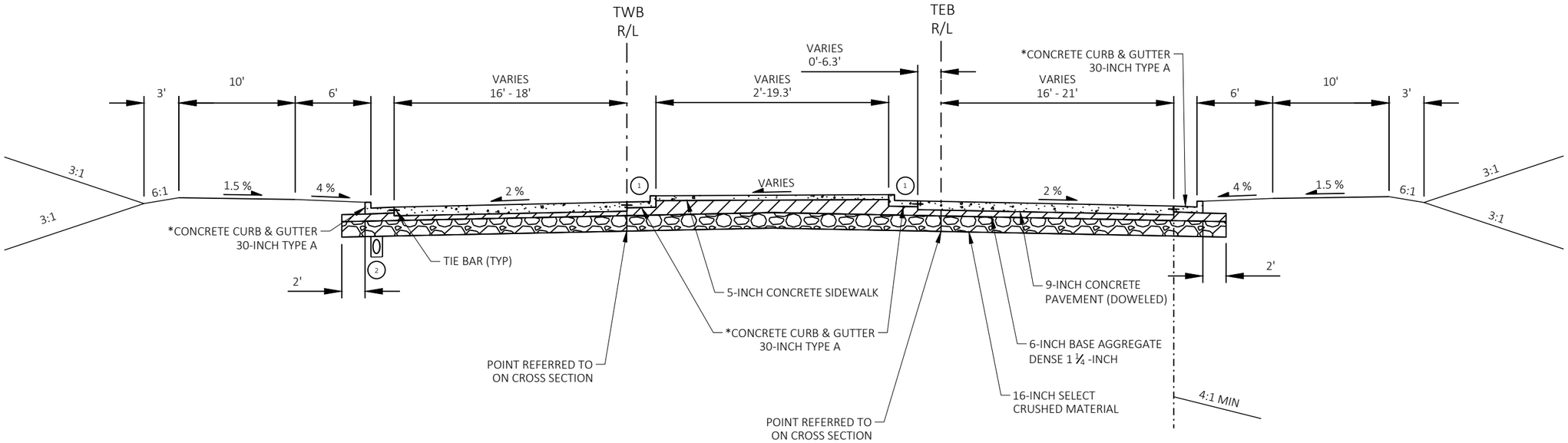


SHOULDER
STA 19+12 (SBE) TO STA 21+06 (SBE)

FINISHED TYPICAL SECTION - STH 27/82 ISLAND
STA 19+10 (NBA) TO 22+45 (NBA)
STA 19+12 (SBE) TO 22+50 (SBE)

NOTES

1. REVERSE SLOPE GUTTER SAME AS ADJACENT PAVEMENT
2. PIPE UNDERDRAIN, 6-INCH



FINISHED TYPICAL SECTION - CTH T ISLAND
STA 50+00 (TEB) TO STA 51+93 (TEB)
STA 50+00 (TWB) TO STA 51+91 (TWB)

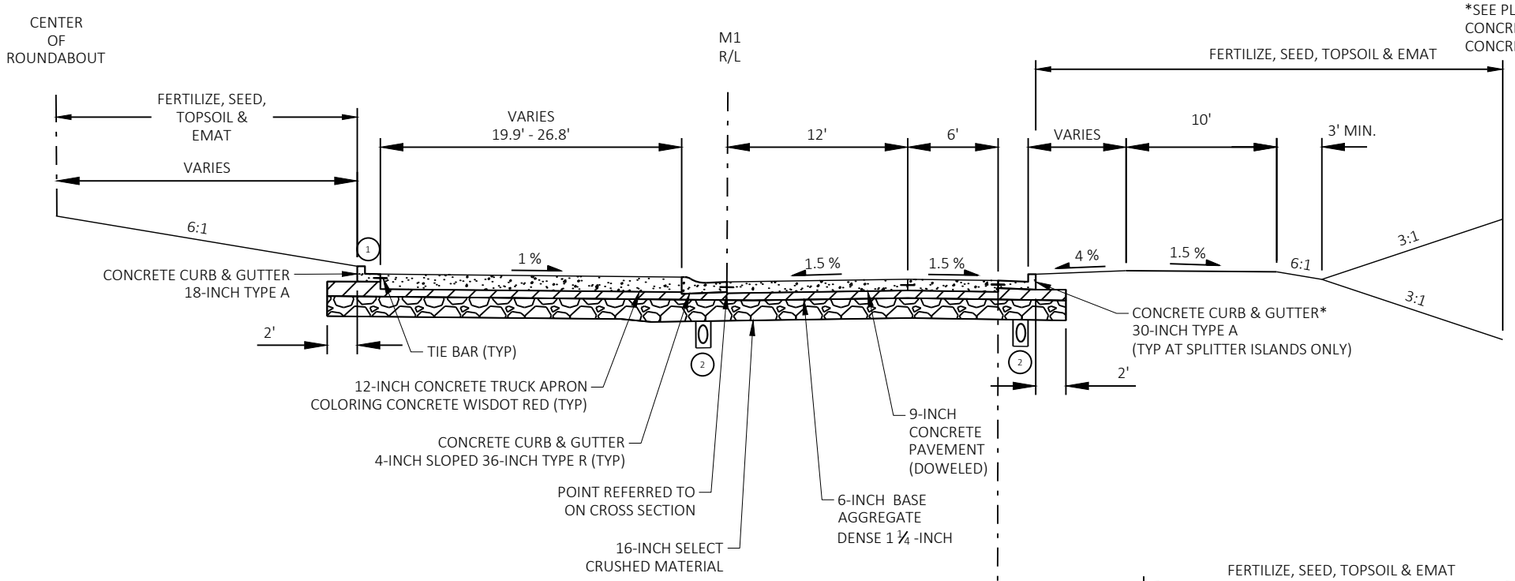
SHOULDER
STA 51+69 (TEB) TO STA 51+90 (TEB)

*SEE PLAN DETAILS FOR CURB AND GUTTER TYPE LOCATIONS.
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TYPICAL SECTIONS	SHEET 9	E

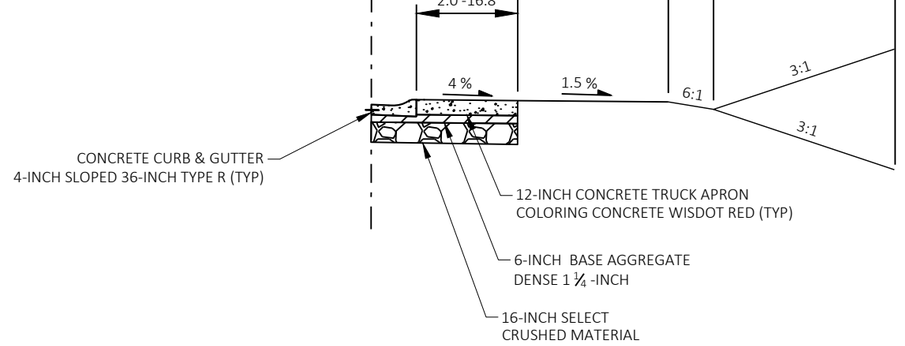
NOTES

1. REVERSE SLOPE GUTTER SAME AS ADJACENT PAVEMENT
2. PIPE UNDERDRAIN, 6-INCH



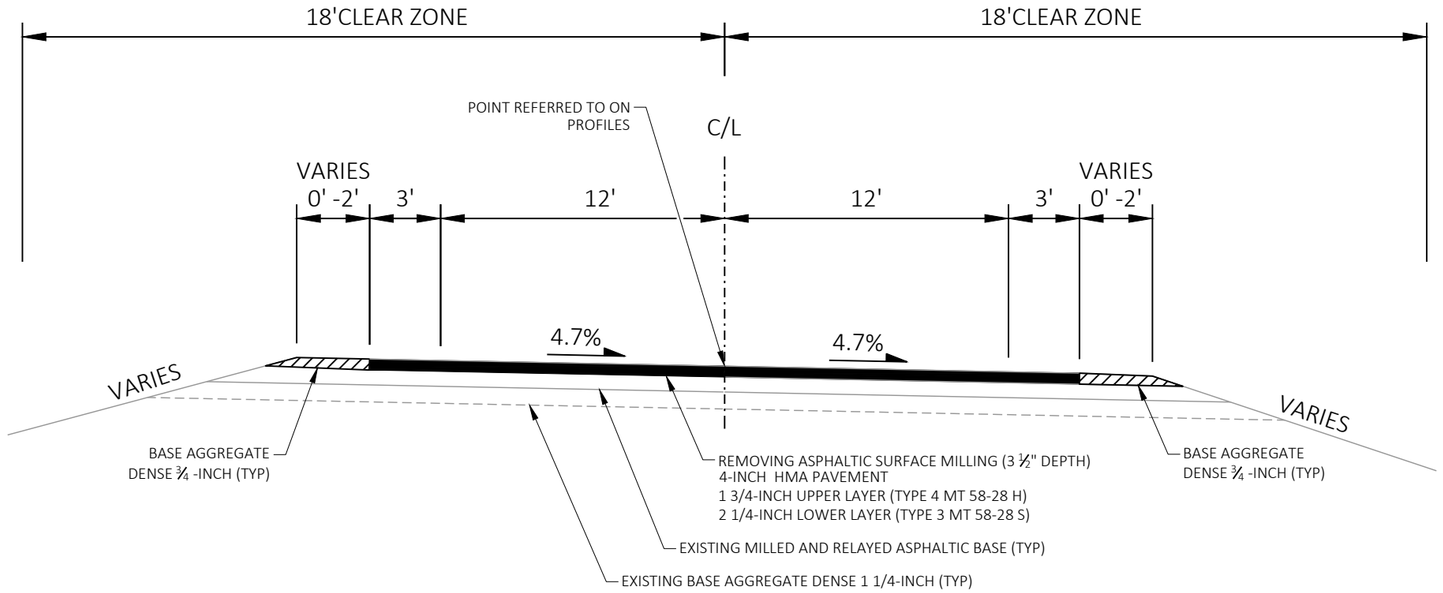
*SEE PLAN DETAILS FOR CURB AND GUTTER TYPE LOCATIONS.
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R

FINISHED TYPICAL SECTION - ROUNDABOUT
STA 40+00 (M1) TO STA 43+93 (M1)



CONCRETE TRUCK APRON
LOCATION VARIES

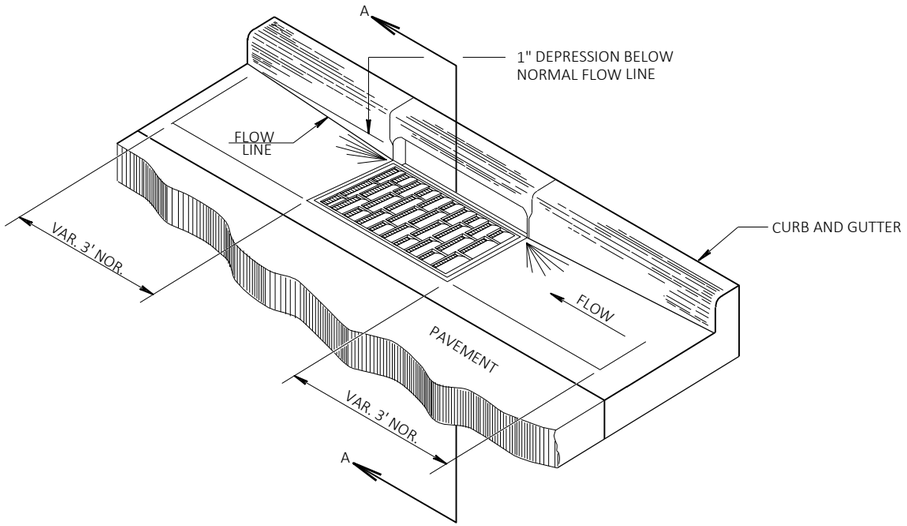
2

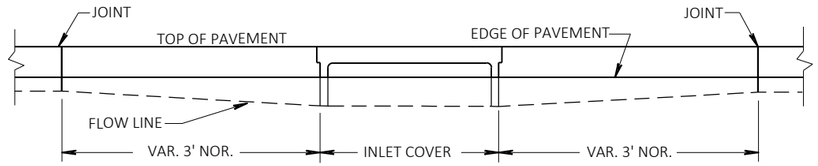


FINISHED TYPICAL SECTION - STH 27/82 -RESURFACE
STA 11+50 (NBA) TO STA 16+50 (NBA)
STA 16+37 (SBE) TO STA 16+50 (SBE)

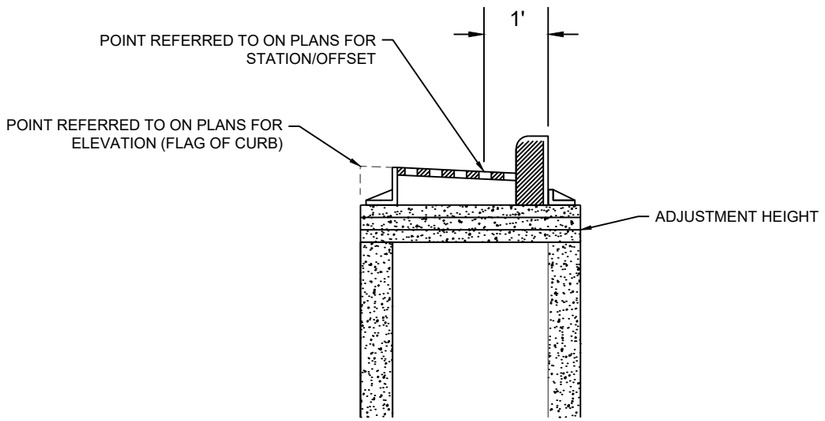
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TYPICAL SECTIONS	SHEET 11	E

2

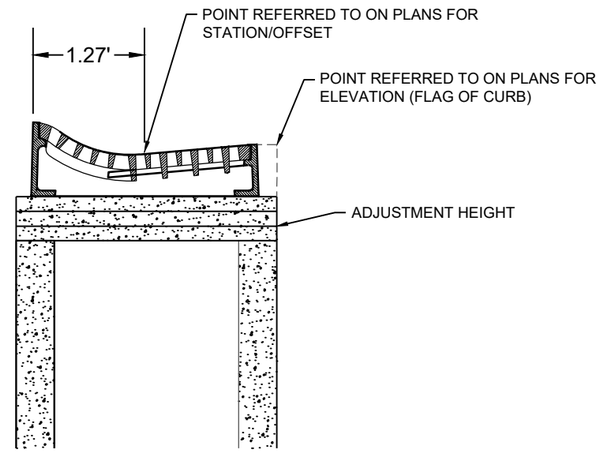




ELEVATION

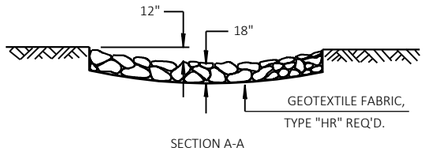


SECTION A - A
TYPE "H"

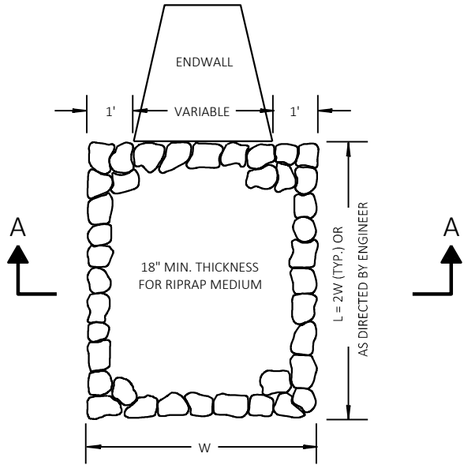


SECTION A - A
TYPE "T"

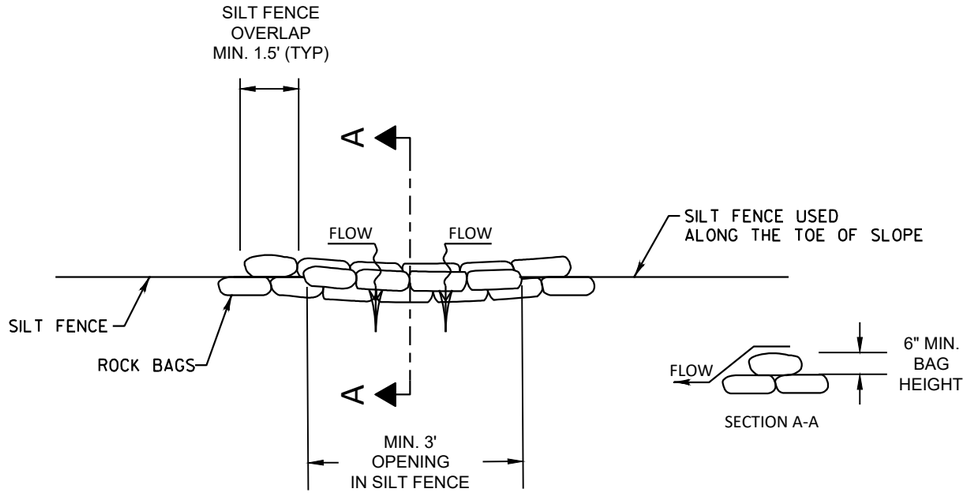
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CONSTRUCTION DETAILS	SHEET 12	E



SECTION A-A



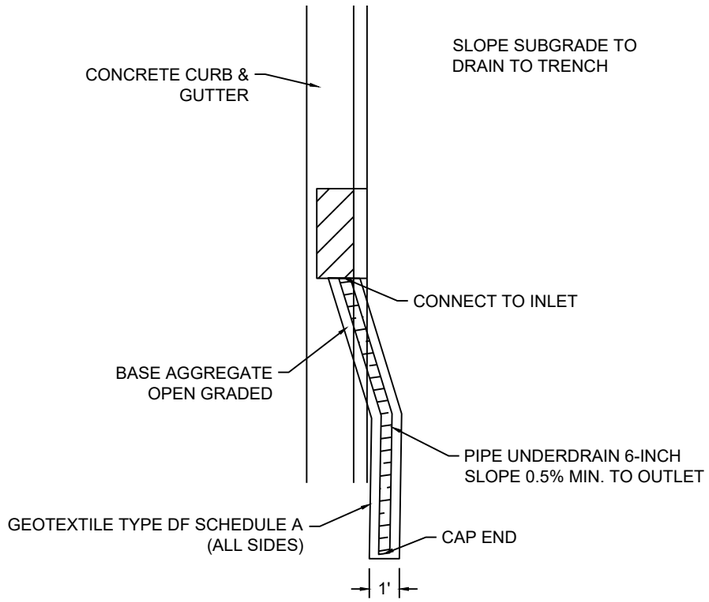
RIPRAP MEDIUM TREATMENT AT CULVERTS



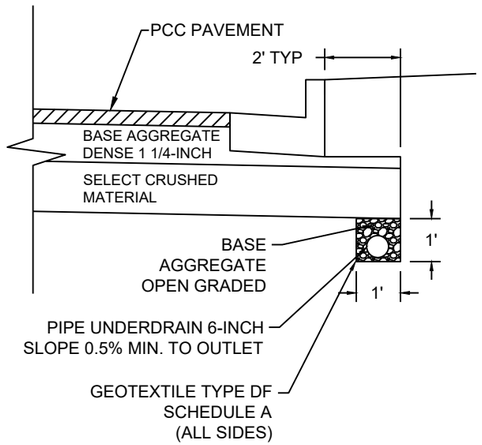
SECTION A-A

SILT FENCE RELIEF

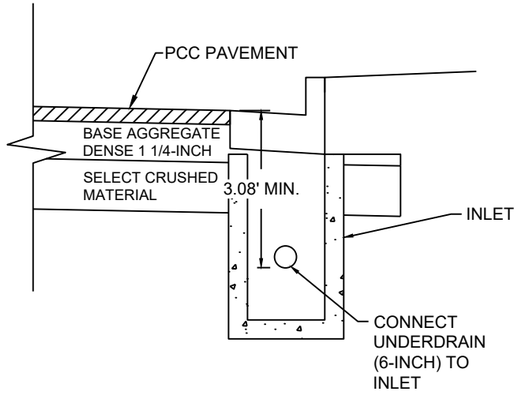
PAID AS ROCK BAGS



PLAN VIEW

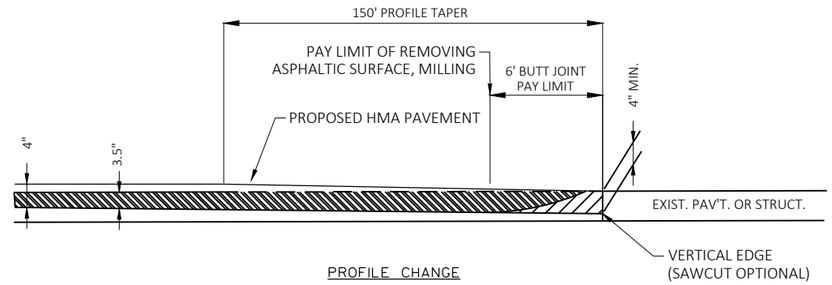


SECTION VIEW
THRU UNDERDRAIN TRENCH



SECTION VIEW
THRU INLET

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

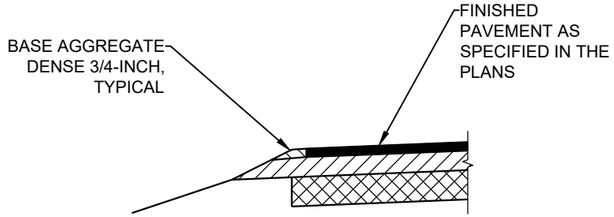


PROFILE CHANGE

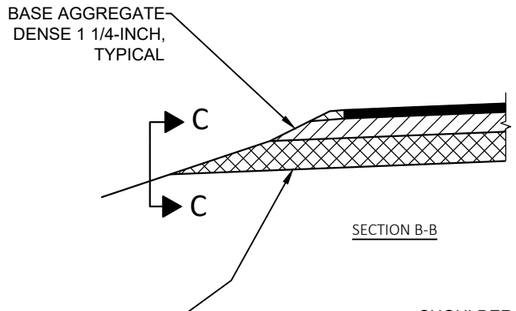
REMOVING ASPHALTIC SURFACE, MILLING

REMOVING ASPHALTIC SURFACE BUTT JOINT

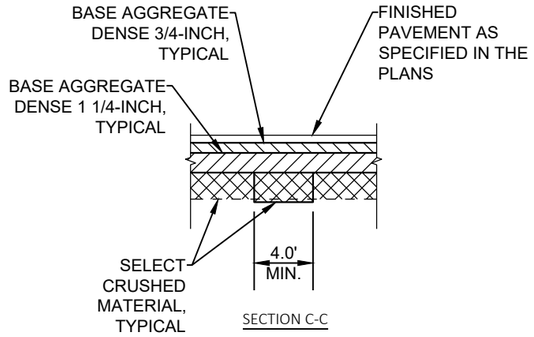
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS



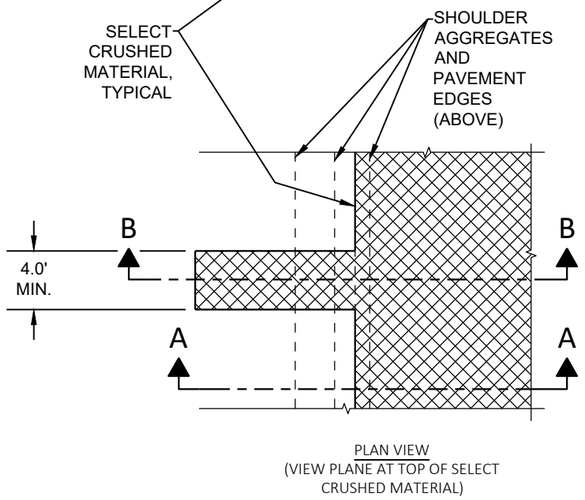
SECTION A-A



SECTION B-B



SECTION C-C



PLAN VIEW
(VIEW PLANE AT TOP OF SELECT CRUSHED MATERIAL)

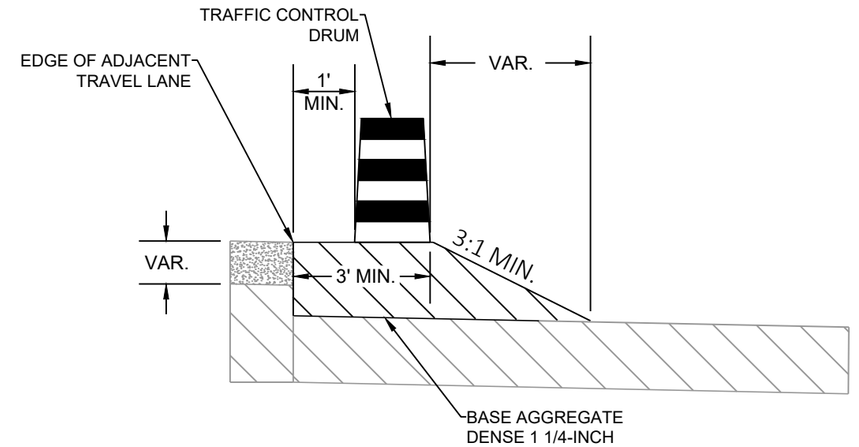
NOTES:
CONSTRUCT RELIEF TRENCHES AT 200' -300' INTERVALS AND AT PROFILE SAG POINTS (LEFT & RIGHT).

DO NOT COVER TRENCH AREA WITH TOPSOIL..

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

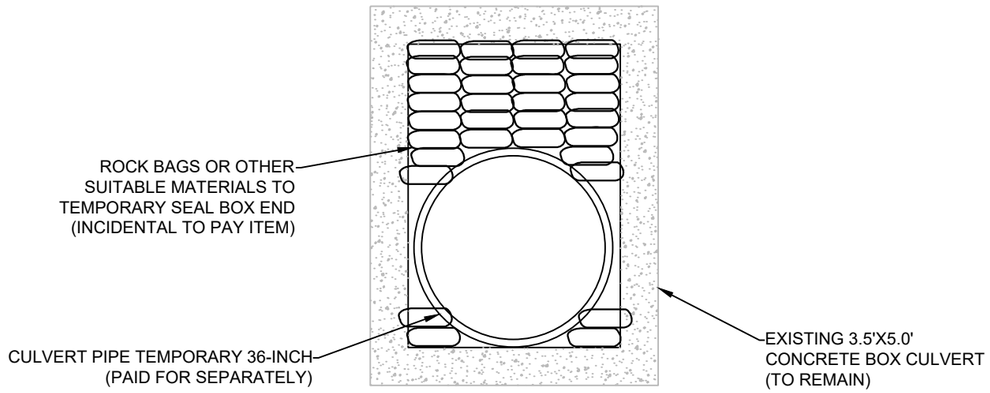
MATERIAL AND LABOR FOR RELIEF TRENCH ARE INCLUDED IN THE SELECT CRUSHED MATERIAL BID ITEM.

RELIEF TRENCH



INTERIM TRAFFIC CONTROL CONDITION

NOTES:
INTERIM TRAFFIC CONTROL CONDITION MUST BE UTILIZED WHEN FLAGGING OPERATIONS ARE NOT IN PLACE AND AT THE END OF EACH WORK DAY.

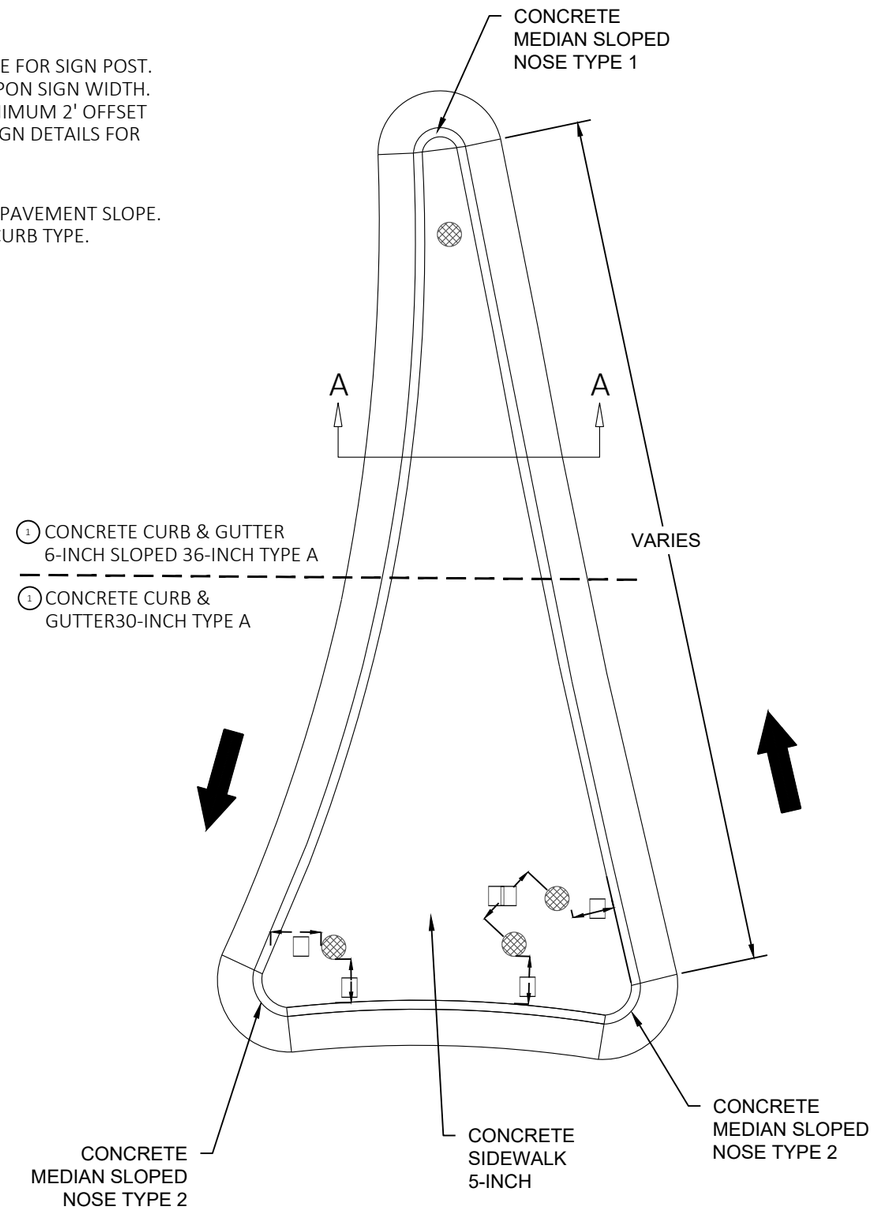


TEMPORARY CONNECT TO EXISTING STRUCTURE DETAIL

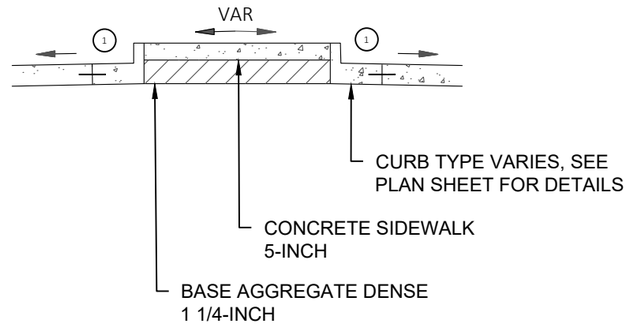
2

PROVIDE 18" DIAMETER BOX OUT IN CONCRETE FOR SIGN POST. LOCATION OF BOX OUT VARIES DEPENDENT UPON SIGN WIDTH. BOX OUT SHALL BE PLACED TO PROVIDE A MINIMUM 2' OFFSET FROM FACE OF CURB TO EDGE OF SIGN. SEE SIGN DETAILS FOR POST SPACING.

(1) REVERSE SLOPE GUTTER TO MATCH ADJACENT PAVEMENT SLOPE. SEE PLAN SHEETS FOR LOCATION OF SPECIFIC CURB TYPE.



TYPICAL SPLITTER ISLAND DETAIL

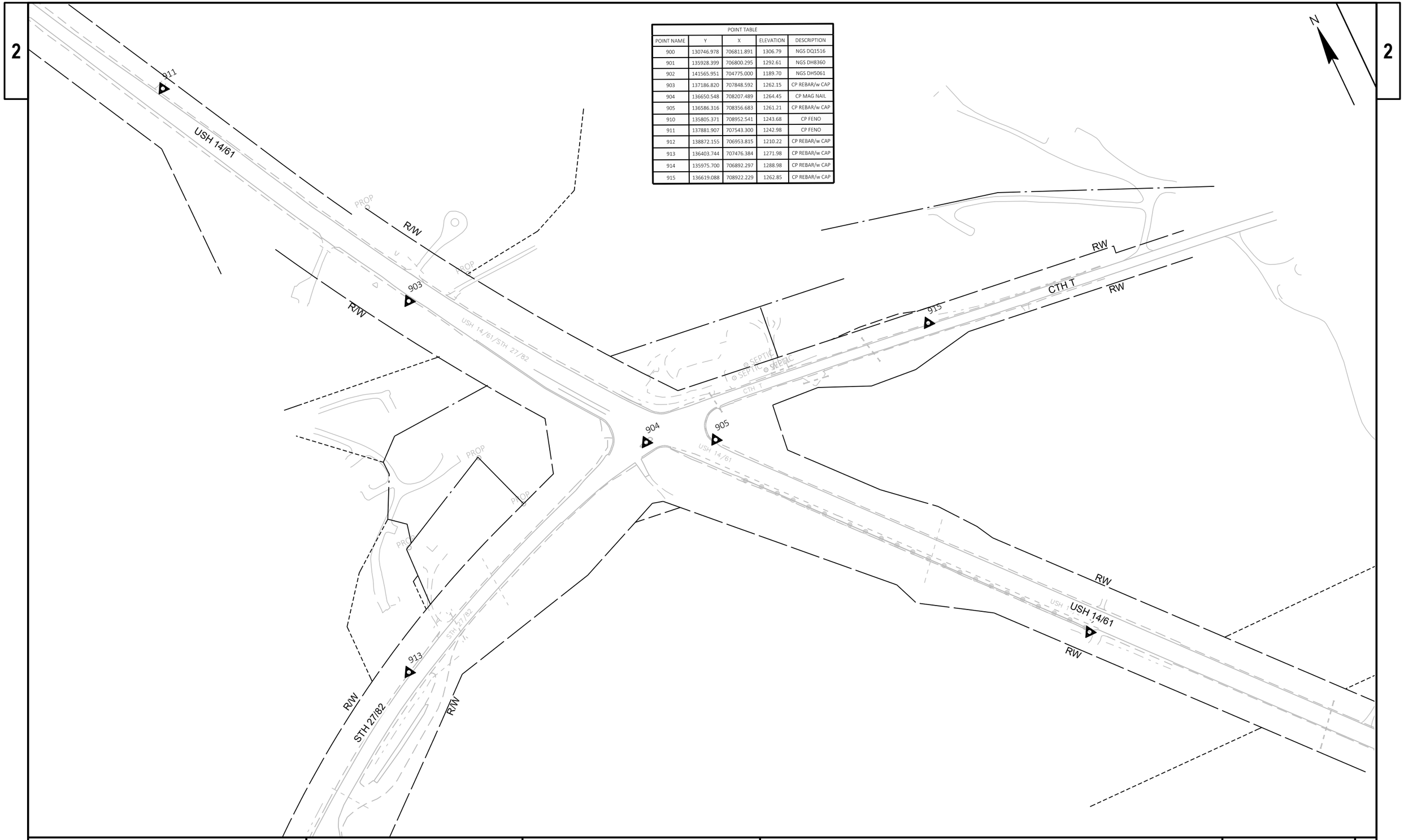


SECTION A - A

* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. 2-FT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

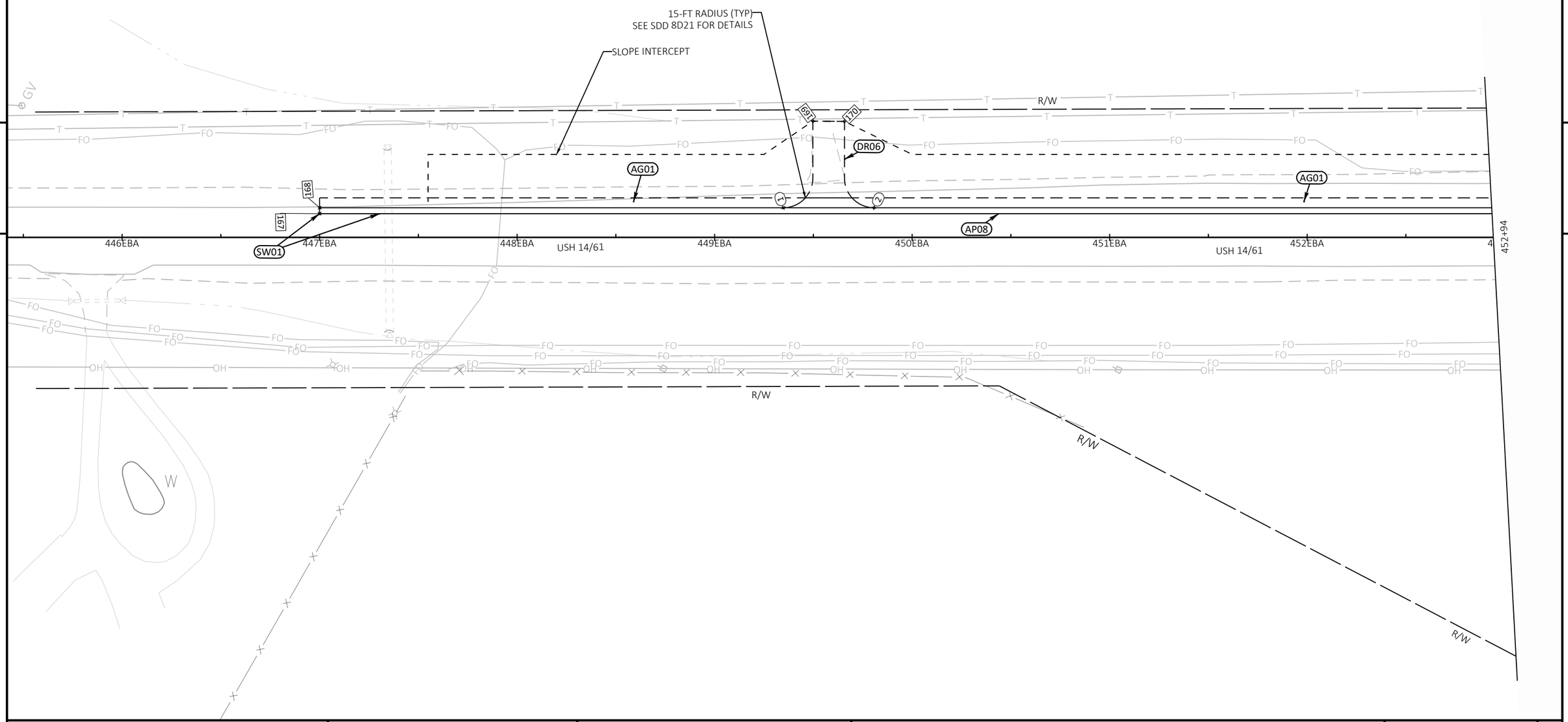
** SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

POINT TABLE				
POINT NAME	Y	X	ELEVATION	DESCRIPTION
900	130746.978	706811.891	1306.79	NGS DQ1516
901	135928.399	706800.295	1292.61	NGS DH8360
902	141565.951	704775.000	1189.70	NGS DH5061
903	137186.820	707848.592	1262.15	CP REBAR/w CAP
904	136650.548	708207.489	1264.45	CP MAG NAIL
905	136586.316	708356.683	1261.21	CP REBAR/w CAP
910	135805.371	708952.541	1243.68	CP FENO
911	137881.907	707543.300	1242.98	CP FENO
912	138872.155	706953.815	1210.22	CP REBAR/w CAP
913	136403.744	707476.384	1271.98	CP REBAR/w CAP
914	135975.700	706892.297	1288.98	CP REBAR/w CAP
915	136619.088	708922.229	1262.85	CP REBAR/w CAP



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CONTROL POINTS	SHEET 17	E

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
SW01	SAWING ASPHALT



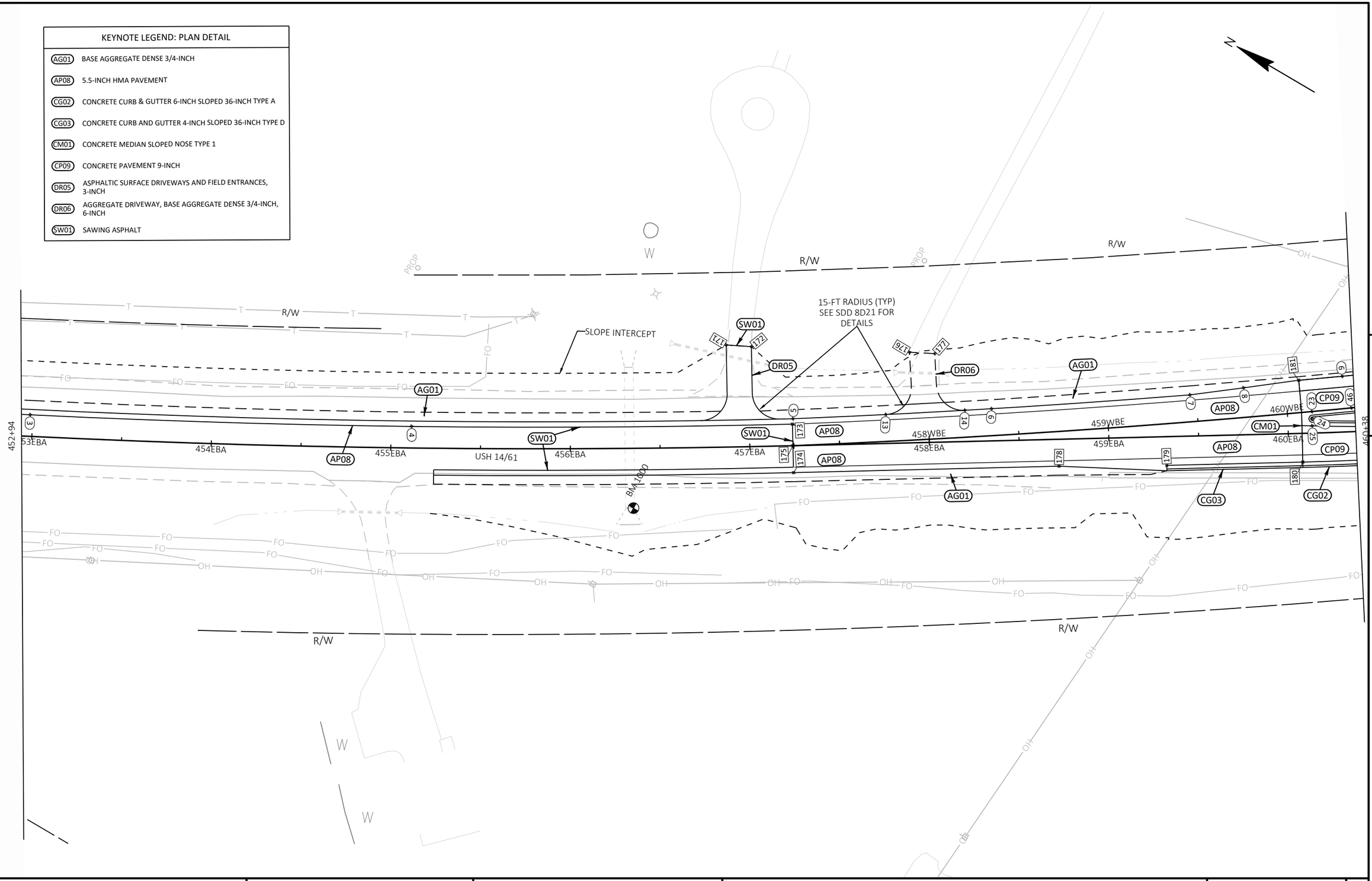
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 18	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 01

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
CG02	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CG03	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D
CM01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP09	CONCRETE PAVEMENT 9-INCH
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
SW01	SAWING ASPHALT



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 19	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 02

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

KEYNOTE LEGEND: PLAN DETAIL	
AP08	5.5-INCH HMA PAVEMENT
CG02	CONCRETE CURB & GUTTER 6-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-INCH
CP18	CONCRETE TRUCK APRON 12-INCH, RED
CS05	CONCRETE SIDEWALK 5-INCH, RED
DR04	CONCRETE DRIVEWAY, 8-INCH
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 20	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 03
PLOT DATE : 7/28/2022 9:50 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
CG02	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CM01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP09	CONCRETE PAVEMENT 9-INCH
SW01	SAWING ASPHALT

CONCRETE SURFACE DRAIN

R/W

USH 14/61

468WBA

469WBA

469EBE

470WBA

470EBE

471WBA

471EBE

472WBA

472EBE

473EBE

474EBE

474+48

STA 469+68 EBE, 18.0' RT

STA 469+68 EBE, 22.0' RT

STA 469+93 EBE, 23.3' RT

END GUARDRAIL STA 470+19 EBE, 20.0' RT

STA 470+19 EBE, 26.0' RT

STA 471+17 EBE, 15.0' RT

STA 471+09 EBE, 20.0' RT

MGS GUARDRAIL 3

MGS GUARDRAIL TERMINAL EAT

SLOPE INTERCEPT

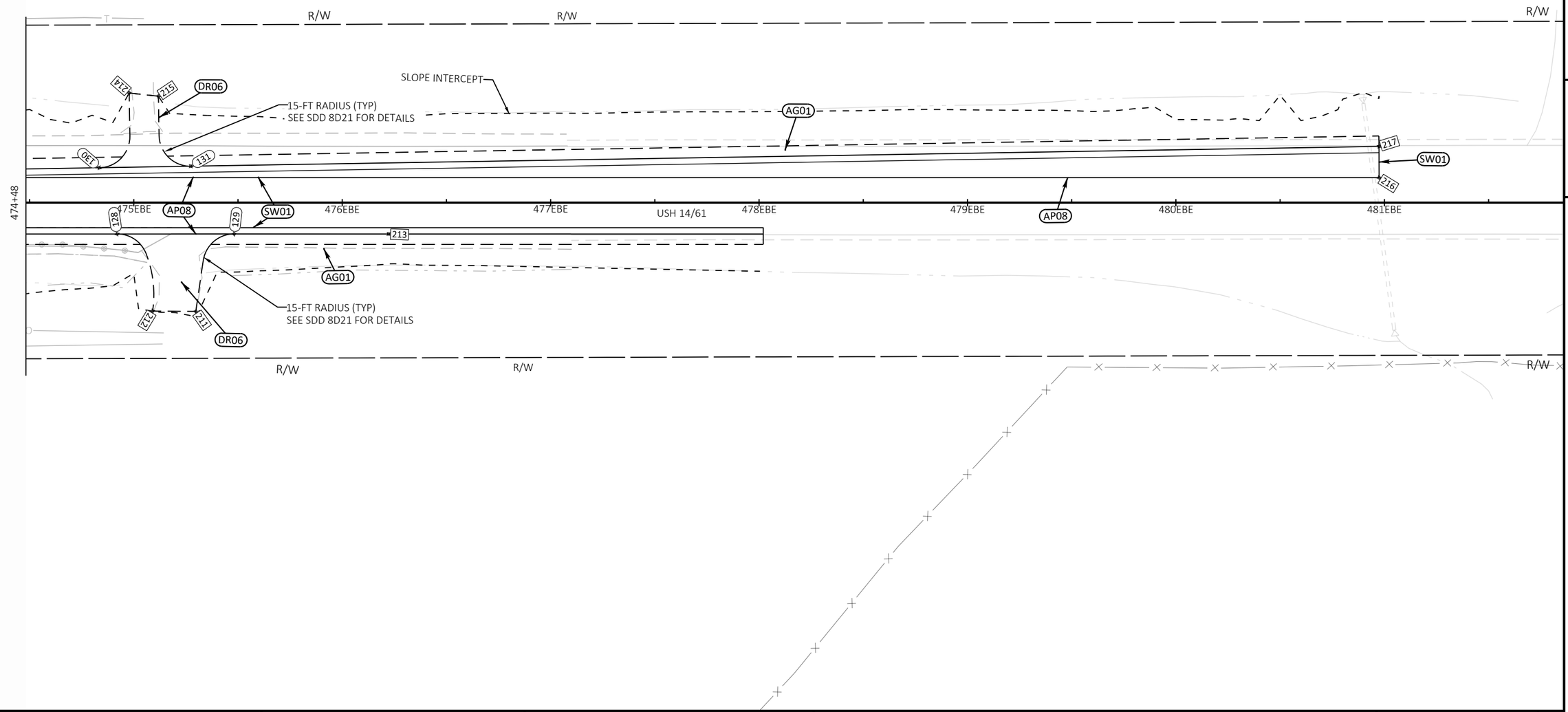
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 21	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 04

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
SW01	SAWING ASPHALT



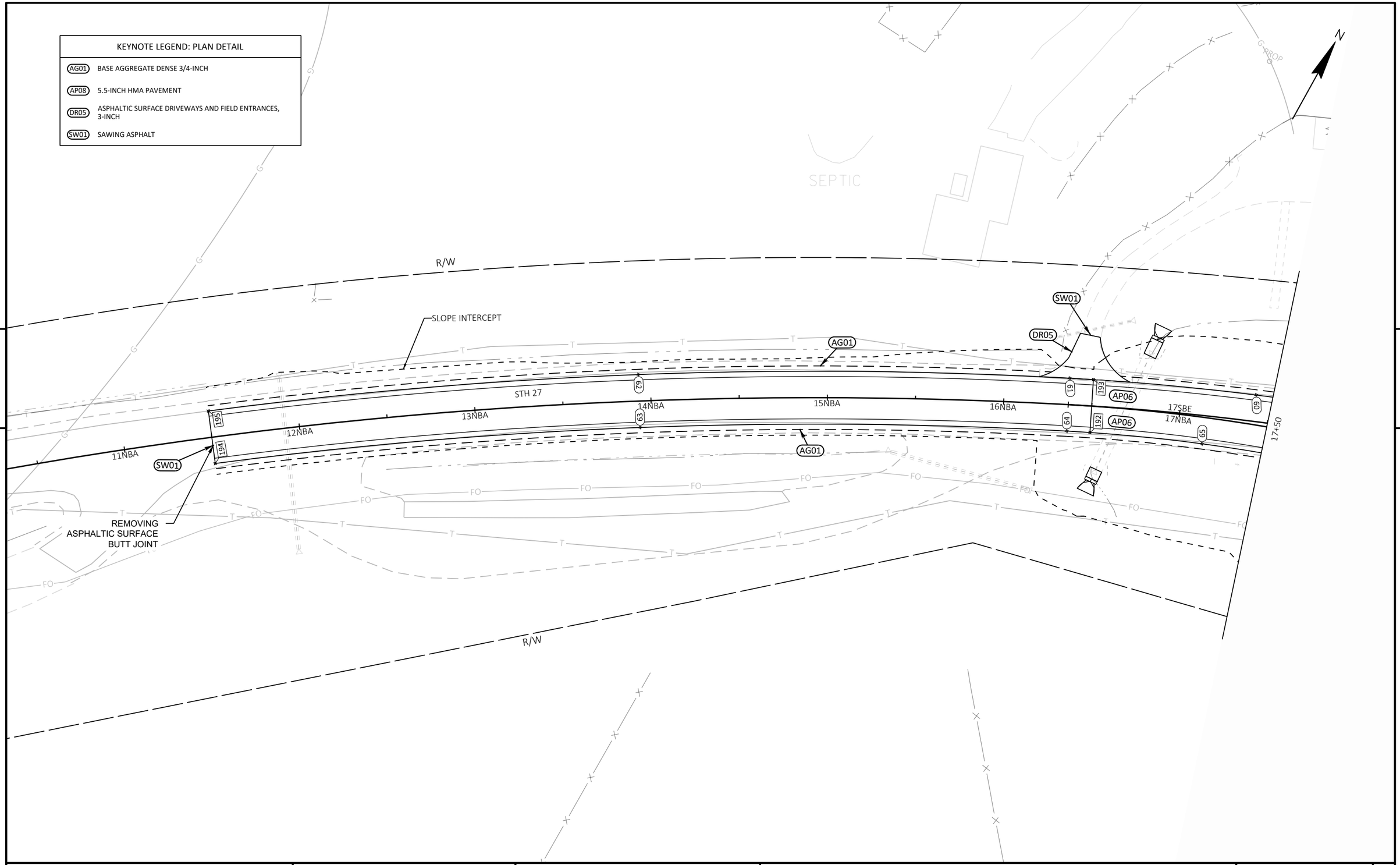
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 22	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 05

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP08	5.5-INCH HMA PAVEMENT
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
SW01	SAWING ASPHALT



5

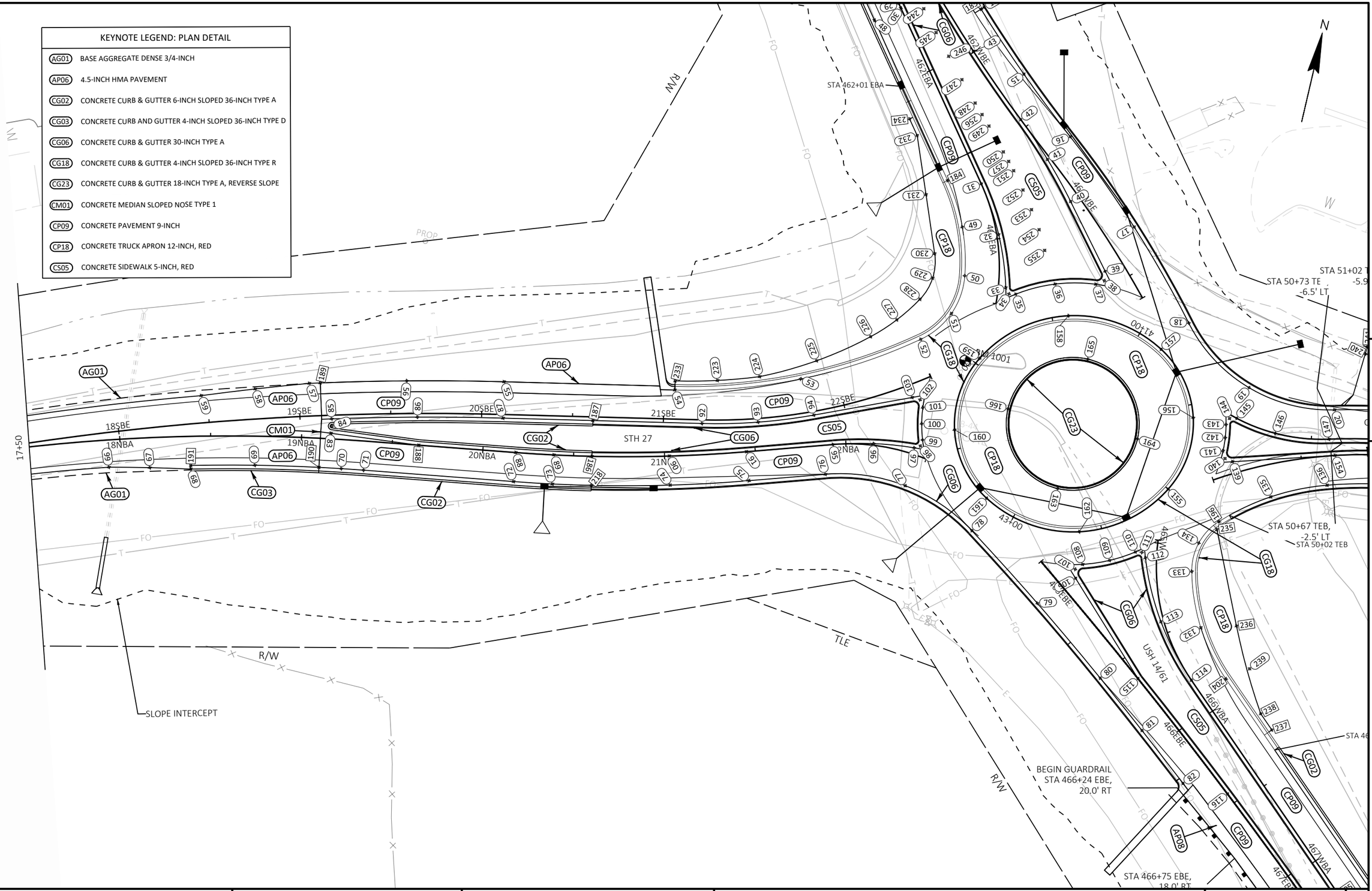
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 23	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 06

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

KEYNOTE LEGEND: PLAN DETAIL	
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP06	4.5-INCH HMA PAVEMENT
CG02	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CG03	CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE D
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
CM01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP09	CONCRETE PAVEMENT 9-INCH
CP18	CONCRETE TRUCK APRON 12-INCH, RED
CS05	CONCRETE SIDEWALK 5-INCH, RED



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 24	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 07

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

KEYNOTE LEGEND: PLAN DETAIL	
AP08	5.5-INCH HMA PAVEMENT
CG02	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CG06	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG07	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG18	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
CM01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CP09	CONCRETE PAVEMENT 9-INCH
CP18	CONCRETE TRUCK APRON 12-INCH, RED
CS05	CONCRETE SIDEWALK 5-INCH, RED
DR04	CONCRETE DRIVEWAY, 8-INCH
DR05	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
DR06	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
SW01	SAWING ASPHALT

N

5

5

STA 51+02 TEB, -5.9' LT

STA 50+73 TEB, -6.5' LT

R/W

TLE

CTH T

USH 14/61

51TWB

51TEB

52TWB

52TEB

53TWB

53TEB

54TWB

54TEB

55TWB

55TEB

56TWB

56TEB

57TWB

466WBA

466EBE

467WBA

STA 51+00 TEB, -2.5' LT

STA 50+67 TEB, -2.5' LT

STA 50+02 TEB

STA 466+40 EBE

BEGIN GUARDRAIL STA 466+24 EBE, 20.0' RT

R/W

SLOPE INTERCEPT

SEPTIC

W

FO

E

T

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS	SHEET 25	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 08

PLOT DATE : 7/28/2022 9:50 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	ELEV
1	449+34.73EBA	15.00'LT	1243.44
2	449+80.73EBA	15.00'LT	1244.77
3	452+98.45EBA	12.00'LT	1254.12
4	455+11.41EBA	12.01'LT	1259.25
5	457+24.35EBA	15.00'LT	1262.74
6	458+35.65WBE	15.00'LT	1263.98
7	459+46.72WBE	15.00'LT	1264.95
8	459+76.84WBE	16.50'LT	1265.07
9	460+32.36WBE	18.00'LT	1265.21
10	460+57.76WBE	18.00'LT	1265.20
11	461+19.88WBE	18.00'LT	1265.03
12	461+82.00WBE	18.00'LT	1264.72
13	457+76.53WBE	15.00'LT	1263.37
14	458+20.75WBE	15.00'LT	1263.82
15	462+25.73WBE	16.00'LT	1264.54
16	462+69.47WBE	16.00'LT	1264.35
17	463+28.71WBE	16.00'LT	1264.59
18	40+84.31M1	20.95'RT	1264.74
19	50+04.78TWB	18.05'LT	1263.95
20	50+63.27TWB	16.00'LT	1262.64
21	51+21.89TWB	16.00'LT	1261.28
22	51+80.52TWB	16.00'LT	1260.54
23	460+13.72WBE	0.00'	1265.55
24	460+13.73EBA	8.00'LT	1266.11
25	460+13.39EBA	4.01'LT	1265.52
26	460+53.70EBA	2.01'LT	1265.52
27	460+93.96EBA	0.00'	1265.44
28	461+25.15EBA	0.00'	1265.35
29	461+59.17EBA	0.00'	1265.19
30	461+62.01EBA	0.00'	1265.18
31	462+68.32EBA	0.00'	1264.78
32	462+97.76EBA	1.05'LT	1264.99
33	41+66.77M1	23.42'RT	1265.43
34	41+66.59M1	19.60'RT	1265.66
35	41+63.95M1	18.00'RT	1265.51
36	41+46.10M1	18.00'RT	1265.46
37	41+28.25M1	18.00'RT	1265.34
38	41+24.84M1	20.75'RT	1265.26
39	41+25.21M1	25.88'RT	1265.17
40	462+97.88WBE	5.18'RT	1264.85
41	462+71.54WBE	1.59'RT	1264.73
42	462+45.18WBE	0.00'	1264.76
43	461+99.39WBE	0.00'	1264.99
44	461+05.68WBE	0.00'	1265.45
45	460+57.76WBE	0.00'	1265.56
46	460+35.74WBE	0.00'	1265.57
47	460+85.70EBA	16.00'RT	1265.15
48	461+62.01EBA	16.00'RT	1264.86
49	462+89.05EBA	17.74'RT	1264.55
50	463+21.35EBA	18.88'RT	1265.06

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	ELEV
51	41+90.79M1	28.34'RT	1265.30
52	42+05.25M1	32.27'RT	1265.09
53	21+78.85SBE	18.83'LT	1263.55
54	21+05.88SBE	16.00'LT	1263.01
55	20+11.82SBE	18.00'LT	1263.97
56	19+58.90SBE	18.00'LT	1264.76
57	19+05.98SBE	18.00'LT	1265.25
58	18+76.44SBE	16.50'LT	1265.47
59	18+46.87SBE	15.00'LT	1265.72
60	17+41.77SBE	15.00'LT	1267.36
61	16+36.66NBA	15.00'LT	1269.40
62	13+93.33NBA	15.00'LT	1275.04
63	13+93.33NBA	15.00'RT	1273.63
64	16+36.66NBA	15.00'RT	1267.99
65	17+14.83NBA	15.00'RT	1266.39
66	17+93.00NBA	15.00'RT	1264.86
67	18+15.83NBA	16.50'RT	1264.35
68	18+38.69NBA	18.00'RT	1263.90
69	18+74.55NBA	16.00'RT	1263.45
70	19+22.88NBA	16.00'RT	1263.06
71	19+35.36NBA	16.00'RT	1263.02
72	20+18.15NBA	16.00'RT	1262.77
73	20+39.13NBA	16.00'RT	1262.73
74	21+02.65NBA	16.00'RT	1262.96
75	21+45.21NBA	16.00'RT	1263.26
76	21+87.45NBA	16.00'RT	1263.86
77	22+39.25NBA	17.81'RT	1264.45
78	42+86.82M1	18.83'RT	1264.16
79	464+96.21EBE	16.40'RT	1263.24
80	465+50.33EBE	16.00'RT	1262.08
81	465+87.38EBE	16.00'RT	1261.34
82	466+24.43EBE	16.00'RT	1260.61
83	19+16.05NBA	3.05'LT	1263.84
84	19+16.36NBA	7.04'LT	1264.42
85	19+17.43SBE	2.00'RT	1264.19
86	19+64.63SBE	2.00'RT	1263.75
87	20+11.82SBE	2.00'RT	1263.34
88	20+18.15NBA	0.00'	1263.12
89	20+39.13NBA	0.00'	1263.10
90	21+02.65NBA	0.00'	1263.26
91	21+45.21NBA	0.00'	1263.56
92	21+21.25SBE	2.00'RT	1263.32
93	21+51.96SBE	2.00'RT	1263.59
94	21+82.67SBE	2.00'RT	1264.01
95	21+92.83NBA	0.00'	1264.07
96	22+15.17NBA	0.88'LT	1264.38
97	42+45.52M1	23.20'RT	1264.72
98	42+45.17M1	19.66'RT	1264.81
99	42+42.82M1	18.00'RT	1264.89
100	42+36.10M1	18.00'RT	1264.99

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	ELEV
101	42+29.38M1	18.00'RT	1265.09
102	42+26.42M1	20.16'RT	1265.31
103	42+26.08M1	24.66'RT	1265.11
104	467+82.33EBE	18.00'RT	1257.42
105	469+40.24EBE	18.00'RT	1254.30
106	43+35.17M1	25.48'RT	1264.01
107	43+35.08M1	20.54'RT	1264.05
108	43+38.40M1	18.00'RT	1263.61
109	43+50.29M1	18.00'RT	1263.55
110	43+62.18M1	18.00'RT	1263.53
111	43+64.68M1	19.66'RT	1263.52
112	43+65.07M1	23.20'RT	1263.47
113	465+43.31WBA	1.58'RT	1262.77
114	465+79.40WBA	0.00'	1261.97
115	465+63.58EBE	0.00'	1262.11
116	466+43.90EBE	0.00'	1260.52
117	467+95.48EBE	0.00'	1257.52
118	468+66.72EBE	0.00'	1256.11
119	468+66.54WBA	8.47'RT	1256.69
120	468+66.50WBA	4.47'RT	1255.92
121	468+21.29WBA	2.83'RT	1256.73
122	467+76.27WBA	0.00'	1257.55
123	467+69.90WBA	0.00'	1257.68
124	467+63.53WBA	0.00'	1257.81
125	467+63.53WBA	16.00'LT	1257.51
126	468+14.34WBA	16.00'LT	1256.49
127	468+65.15WBA	16.00'LT	1255.56
128	475+03.13EBE	19.96'RT	0.00
129	475+36.96EBE	20.00'RT	0.00
130	474+83.38EBE	16.77'LT	1244.38
131	475+27.37EBE	17.50'LT	1243.53
132	465+54.20WBA	18.20'LT	1262.23
133	465+16.20WBA	19.46'LT	1263.01
134	43+85.78M1	32.87'RT	1263.30
135	50+28.98TEB	17.66'RT	1263.09
136	50+62.90TEB	16.00'RT	1262.44
137	51+16.07TEB	16.00'RT	1261.27
138	51+69.25TEB	16.00'RT	1260.49
139	40+24.88M1	24.50'RT	1263.62
140	40+25.30M1	20.08'RT	1263.77
141	40+28.22M1	18.00'RT	1263.87
142	40+33.67M1	18.00'RT	1263.94
143	40+39.13M1	18.00'RT	1264.03
144	40+41.63M1	19.99'RT	1264.03
145	40+41.61M1	23.90'RT	1263.96
146	50+29.86TWB	0.00'	1263.46
147	50+59.73TWB	0.00'	1262.81
148	51+20.12TWB	0.00'	1261.61
149	51+80.52TWB	0.00'	1260.86
150	51+83.14TEB	4.50'LT	1261.29

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	ELEV
151	51+83.14TEB	0.00'	1260.66
152	51+69.25TEB	0.00'	1260.81
153	51+18.94TEB	0.00'	1261.53
154	50+68.64TEB	0.00'	1262.45
155	43+93.30M1	0.00'	1263.52
156	40+42.64M1	0.00'	1263.99
157	40+85.28M1	0.00'	1264.68
158	41+40.97M1	0.00'	1265.34
159	41+96.65M1	0.00'	1265.33
160	42+39.29M1	0.00'	1264.85
161	42+81.93M1	0.00'	1264.16
162	43+37.62M1	0.00'	1263.52
163	43+21.50M1	23.11'LT	1264.10
164	40+20.63M1	29.16'LT	1264.21
165	41+26.71M1	23.39'LT	1265.69
166	42+18.30M1	27.98'LT	1265.64
167	447+00.00EBA	12.00'LT	1236.90
168	447+00.00EBA	15.00'LT	1236.78
169	449+49.73EBA	58.81'LT	1239.38
170	449+65.73EBA	58.70'LT	1239.91
171	456+87.86EBA	56.85'LT	1260.72
172	457+02.00EBA	55.68'LT	1260.90
173	457+24.00EBA	12.00'LT	1262.81
174	457+24.00EBA	15.00'RT	1263.50
175	457+24.00EBA	0.00'	1263.17
176	457+91.58WBE	48.98'LT	1263.76
177	458+05.70WBE	47.44'LT	1264.42
178	458+71.93EBA	15.00'RT	1264.27
179	459+31.93EBA	16.00'RT	1264.77
180	460+07.71EBA	16.00'RT	1265.10
181	460+07.98WBE	18.00'LT	1265.17
182	461+53.37WBE	20.94'RT	1265.21
183	461+53.60WBE	0.00'	1265.22
184	462+48.17WBE	52.21'RT	1264.45
185	461+82.00WBE	16.00'LT	1264.76
186	20+60.10NBA	0.00'	1263.12
187	20+61.26SBE	2.00'RT	1263.09
188	19+64.63NBA	0.00'	1263.33
189	19+11.92SBE	18.00'LT	1265.21
190	19+10.40NBA	16.00'RT	1263.09
191	18+38.69NBA	16.00'RT	1263.98
192	16+50.00NBA	15.00'RT	1267.67
193	16+49.93NBA	15.03'LT	1269.11
194	11+50.00NBA	15.00'RT	1279.83
195	11+50.00NBA	15.00'LT	1281.04
196	40+03.19M1	32.85'RT	1263.40
197	51+86.58TWB	16.00'LT	1260.47
198	51+89.61TEB	17.36'RT	1260.24
199	52+13.21TEB	15.00'RT	1260.04
200	53+07.36TWB	16.00'LT	1259.40

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	ELEV
201	53+50.72TWB	15.00'LT	1259.79
202	56+33.66TEB	15.00'RT	1264.47
203	56+31.04TWB	15.00'LT	1264.38
204	465+89.58WBA	16.00'LT	1261.42
205	467+22.38WBA	0.00'	1258.69
206	467+24.23EBE	0.00'	1258.93
207	468+72.53WBA	16.00'LT	1255.40
208	468+72.40EBE	18.00'RT	1255.64
209	474+00.00EBE	15.00'RT	1245.85
210	474+00.00EBE	12.33'LT	1245.93
211	475+29.76EBE	52.12'RT	1243.63
212	475+09.04EBE	51.95'RT	1243.27
213	476+22.30EBE	15.00'RT	1241.71
214	474+97.79EBE	52.61'LT	1243.56
215	475+11.81EBE	51.08'LT	1243.35
216	480+97.49EBE	12.00'LT	1232.94
217	480+97.44EBE	27.00'LT	1232.64
218	20+60.10NBA	16.00'RT	1262.79
219	52+01.79TWB	40.92'LT	1262.10
220	52+27.72TWB	39.09'LT	1261.79
221	52+28.00TWB	43.08'LT	1261.62
222	52+02.07TWB	44.91'LT	1262.24
223	21+29.78SBE	21.80'LT	1263.36
224	21+54.93SBE	22.91'LT	1263.53
225	21+90.15SBE	27.07'LT	1264.04
226	22+25.81SBE	32.19'LT	1264.77
227	22+44.60SBE	35.90'LT	1265.21
228	41+95.06M1	46.18'RT	1265.52
229	462+86.55WBE	91.41'RT	1265.44
230	462+74.78WBE	82.39'RT	1265.16
231	462+47.35WBE	66.40'RT	1264.83
232	462+20.06WBE	51.48'RT	1264.79
233	21+05.88SBE	21.00'LT	1263.29
234	462+10.79WBE	49.80'RT	1264.85
235	40+00.69M1	34.87'RT	1263.65
236	465+63.53WBA	36.56'LT	1262.25
237	466+27.01WBA	21.00'LT	1260.79
238	466+16.23WBA	21.00'LT	1261.05
239	465+92.32WBA	29.91'LT	1261.54
240	50+78.63TWB	46.72'LT	1262.14
241	50+79.52TWB	50.58'LT	1262.38
242	51+09.12TWB	43.20'LT	1262.30
243	51+08.55TWB	39.26'LT	1262.08
244	461+65.41WBE	10.81'RT	1265.60
245	461+79.95WBE	11.80'RT	1265.40
246	461+94.46WBE	12.91'RT	1265.20
247	462+08.96WBE	13.87'RT	1265.00
248	462+23.43WBE	15.10'RT	1264.80
249	462+37.88WBE	16.22'RT	1264.60
250	462+53.68WBE	18.28'RT	1264.60

STATION OFFSET TABLE

PNT ID	STATION	OFFSET	ELEV
251	462+65.06WBE	20.06'RT	1264.80
252	462+76.75WBE	22.52'RT	1265.00
253	462+88.69WBE	25.26'RT	1265.20
254	463+00.62WBE	28.29'RT	1265.40
255	463+12.30WBE	32.25'RT	1265.60
256	462+30.66WBE	15.63'RT	1264.70
257	462+59.46WBE	19.12'RT	1264.70

2

2

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

454+07.50

USH 14/61

448EBA 450EBA 452EBA 454EBA

EROSION CONTROL LEGEND

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

PROP

460+95.00

460WBE

458WBE

456EBA

USH 14/61

458EBA

460EBA

BM 1000

454+07.50

R/W

R/W

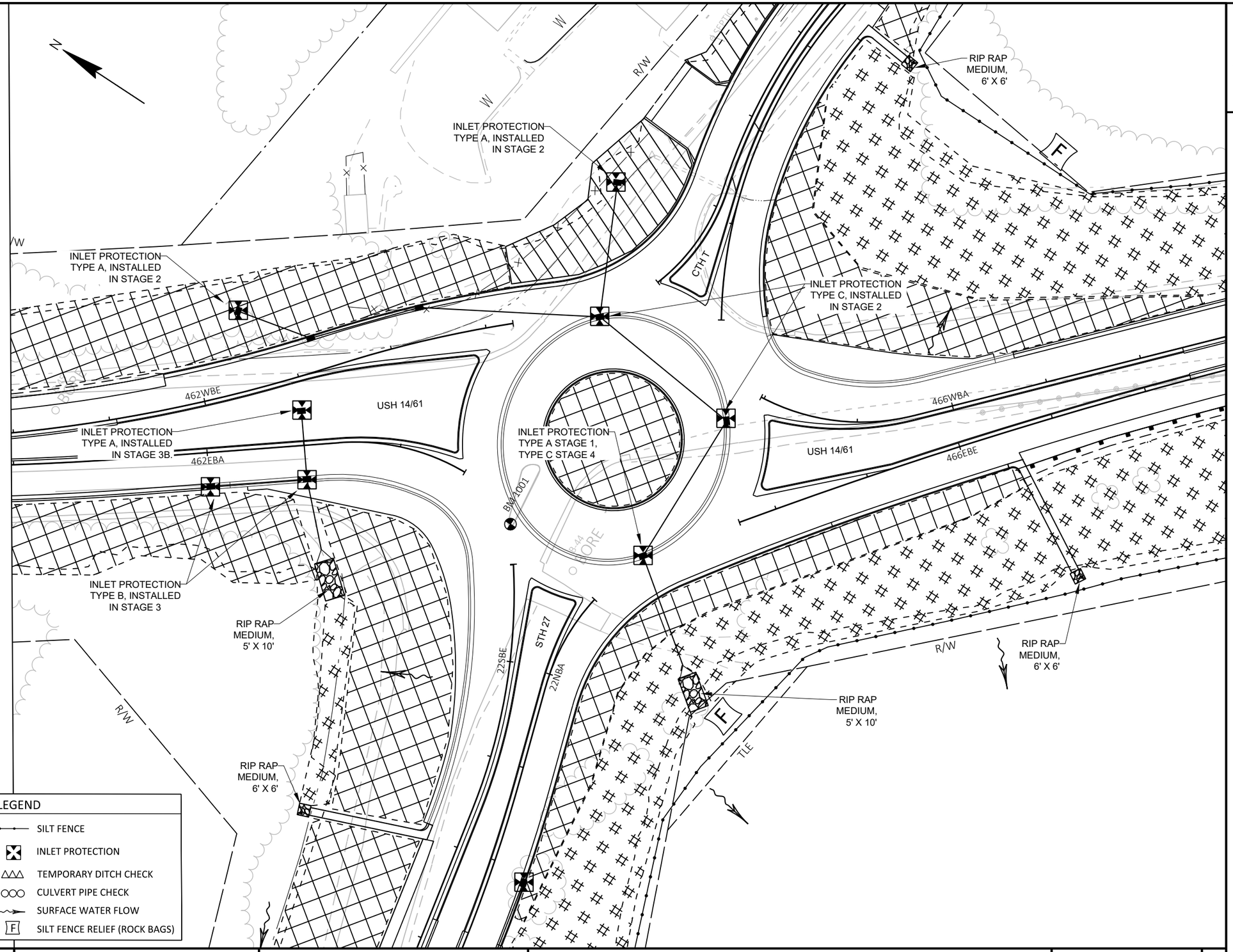
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	EROSION CONTROL	SHEET 27	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 01

PLOT DATE : 7/29/2022 8:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

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



EROSION CONTROL LEGEND

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

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	EROSION CONTROL	SHEET 28	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 02
PLOT DATE : 7/29/2022 8:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

RIP RAP MEDIUM, 6' X 6'

F

R/W

471+67.39

468WBA

USH 14/61

470WBA

470EBE

468EBE

R/W

F

RIP RAP MEDIUM, 9' X 18'

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

EROSION CONTROL LEGEND

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

R/W

472WBA

USH 14/61

472EBE

474EBE

476EBE

478EBE

471+67.39

R/W

N

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	EROSION CONTROL	SHEET 29	E

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

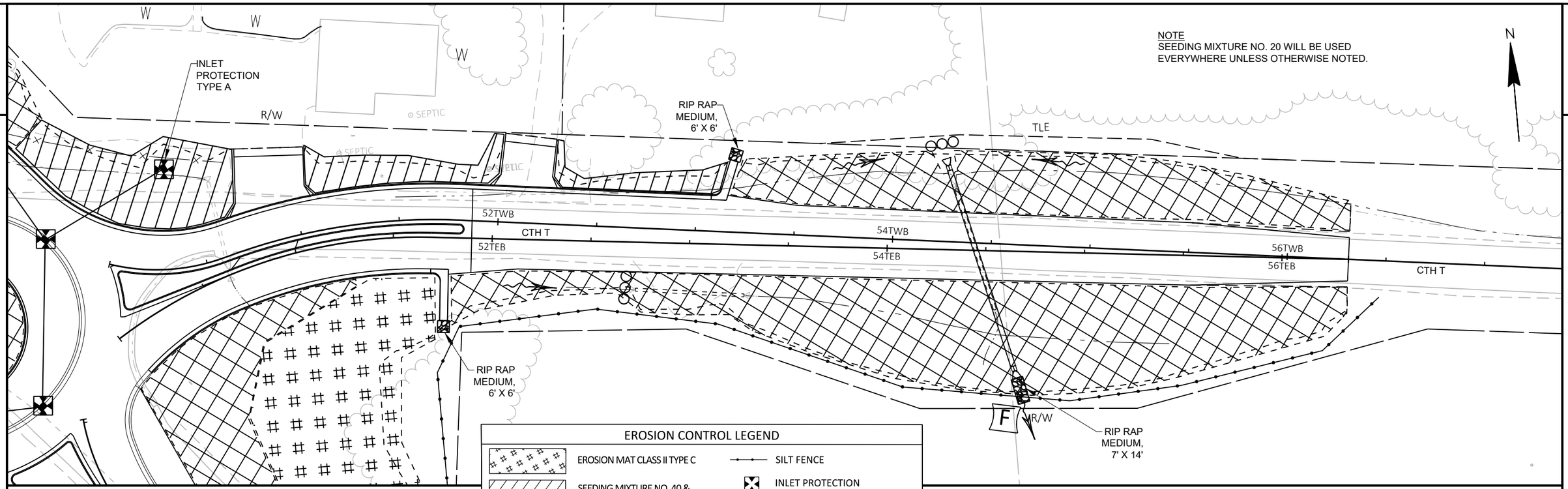
EROSION CONTROL LEGEND

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

R/W
STH 27
12NBA
14NBA
16NBA
17+44.89
RIP RAP MEDIUM, 12' X 24'
F
RIP RAP MEDIUM, 6' X 6'
INLET PROTECTION TYPE C, INSTALLED IN STAGE 4
BM 1001
22SBE
20SBE
STH 27/82
18SBE
18NBA
20NBA
22NBA
RIP RAP MEDIUM, 7' X 14'
17+44.89
RIP RAP MEDIUM, 5' X 10'
RIP RAP MEDIUM, 5' X 10'
TLE
R/W

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	EROSION CONTROL	SHEET 30	E

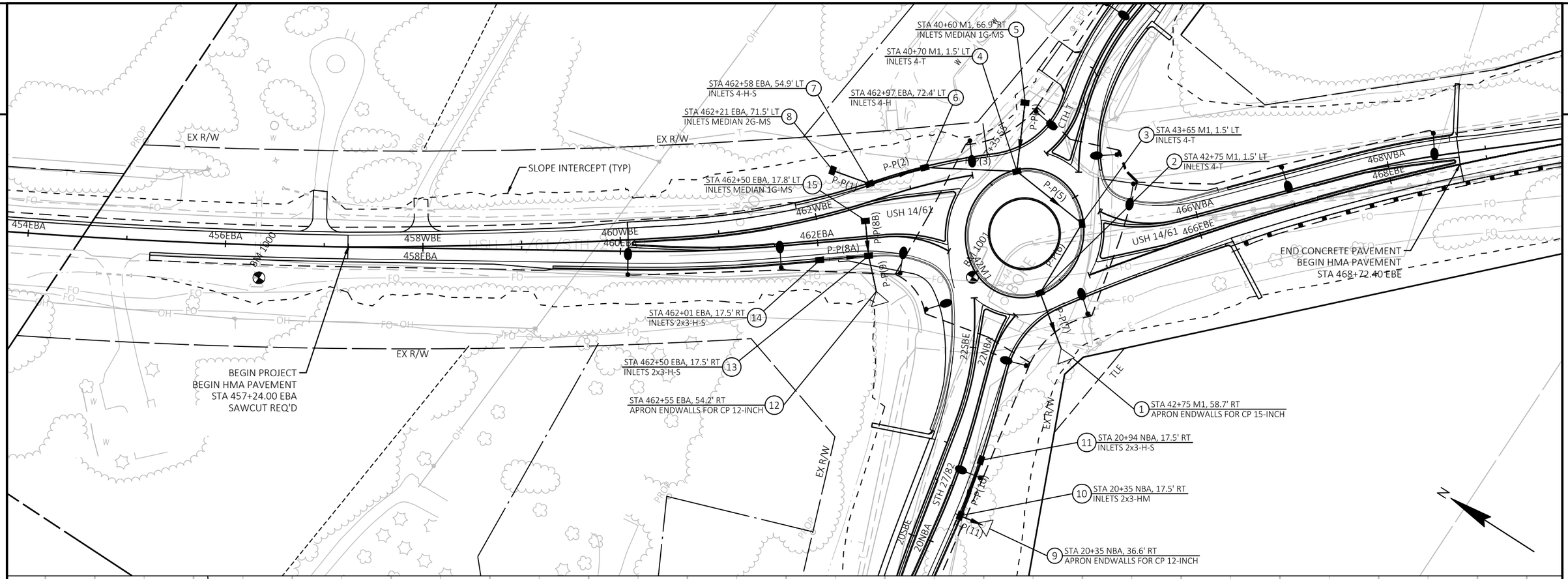
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 04
PLOT DATE : 7/29/2022 8:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

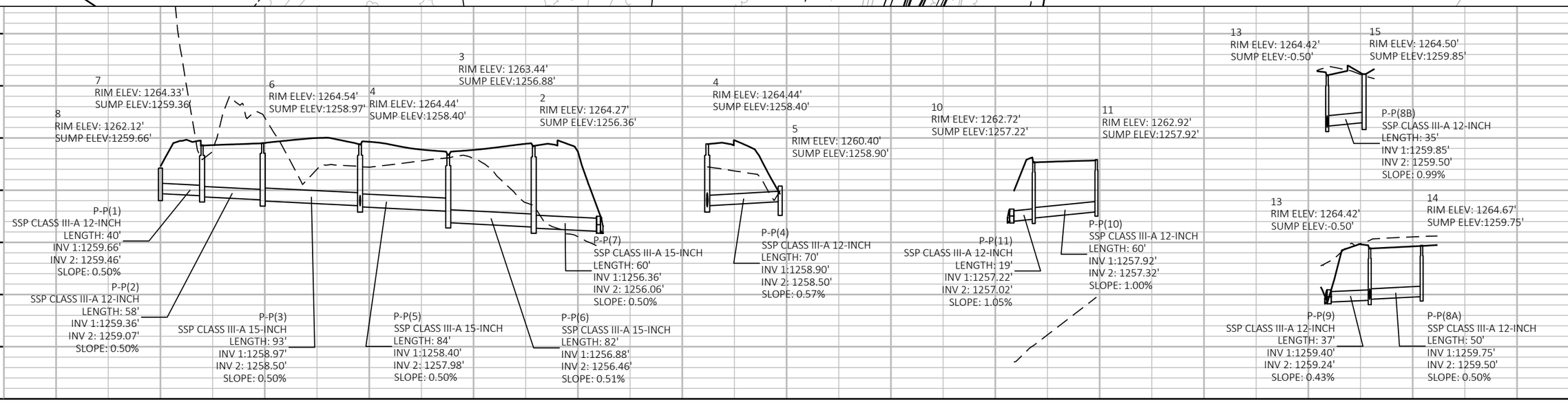


NOTE
SEEDING MIXTURE NO. 20 WILL BE USED
EVERYWHERE UNLESS OTHERWISE NOTED.

EROSION CONTROL LEGEND

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





PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STORM SEWER	SHEET 32	E

2

2

N

JCT COUNTY T — REMOVE

ONCOMING TRAFFIC USES CENTER LANE — REMOVE

450'X'

ADOPT-A-HIGHWAY SPONSORED WISCONSIN ARMY NATIONAL GUARD VIRGINIA — MOVE (SEE PERMANENT SIGNING PLAN)

EAST SOUTH SOUTH WEST 14 61 27 82 — REMOVE

455'X'

Viroqua 3
La Crosse 36 — REMOVE

REMOVE

WEST NORTH NORTH EAST 14 61 27 82 — REMOVE

14 61 27 82 — REMOVE

WEST NORTH NORTH EAST 14 61 27 82 — REMOVE

Madison
Mt Sterling
De Soto — REMOVE

460'X'

B-45 BORE

SOUTH WEST COUNTY T 27 82 — REMOVE

REMOVE

SOUTH WEST 27 82 — REMOVE

Mt Sterling 18
De Soto 22
Prairie du Chien 43 — REMOVE

20'XEB'

STOP — REMOVE

DO NOT ENTER — REMOVE

EAST SOUTH 14 61 — REMOVE

COUNTY T — REMOVE

EAST SOUTH 14 61 — REMOVE

Viroqua
La Crosse
Madison — REMOVE

JCT COUNTY J — REMOVE

15'XEB'

REMOVE

NORTH EAST 27 82 — REMOVE

REMOVE

WEST NORTH EAST SOUTH 14 61 14 61 — REMOVE

JCT JCT JCT 14 61 COUNTY T — REMOVE

465'X'

RIGHT LANE ENDS — REMOVE

Readstown 8
Madison 84 — REMOVE

STOP — REMOVE

COUNTY T
20 TON BRIDGE
6.2 MILES AHEAD — REMOVE

La Crosse
Mt Sterling
De Soto — REMOVE

NO PASSING ZONE — REMOVE

JCT 14 27 61 82 — REMOVE

REMOVE

WEST NORTH NORTH EAST 14 27 61 82 — REMOVE

SOUTH WEST 27 82 — REMOVE

JCT JCT JCT 27 82 COUNTY T — REMOVE

470'X'

475'X'

480'X'

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING - REMOVALS	SHEET 33	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\023201-PS (PERM SGN - REMOVAL PLAN).DWG
LAYOUT NAME - 01

PLOT DATE : 7/28/2022 9:59 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

N

Viroqua 1
La Crosse 31
D2-2
78"x24"
(2 POSTS REQUIRED)
PROP O
01-04

I-55-56
M01-01

USH 14/61/STH 27/82

450EBA 451EBA 452EBA 453EBA 454EBA 455EBA

MATCH LINE 455+75'EBA'

01-01
JCT
COUNTY T
J1-1
24"X39"

01-02
01-03
W2-6
30"X30"
15 MPH
W13-1
18"X18"

W

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 34 E

FILE NAME : \\sehlx\Projects\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg PLOT DATE : 7/28/2022 10:00 AM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 40.0 FT

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

N

W6-3
36"X36"
02-07

R5-1
30"X30"
02-06

R2-1
24"x30"
02-05

USH 14/61/STH 27/82

456EBA
457EBA
458WBE
458EBA
459WBE
459EBA
460WBE
460EBA
461WBE
461EBA

903

MATCH LINE 455+75'EBA'

MATCH LINE 461+25'EBA'

02-01

EAST SOUTH 14 61
T
SOUTH WEST 27 82

D1-62
126"x78"
(3 POSTS REQUIRED)

02-02
02-03

R4-7
24"X30"

W5-54
18"X18"

(W5-54 ONLY, 4' MOUNTING HEIGHT)

02-04

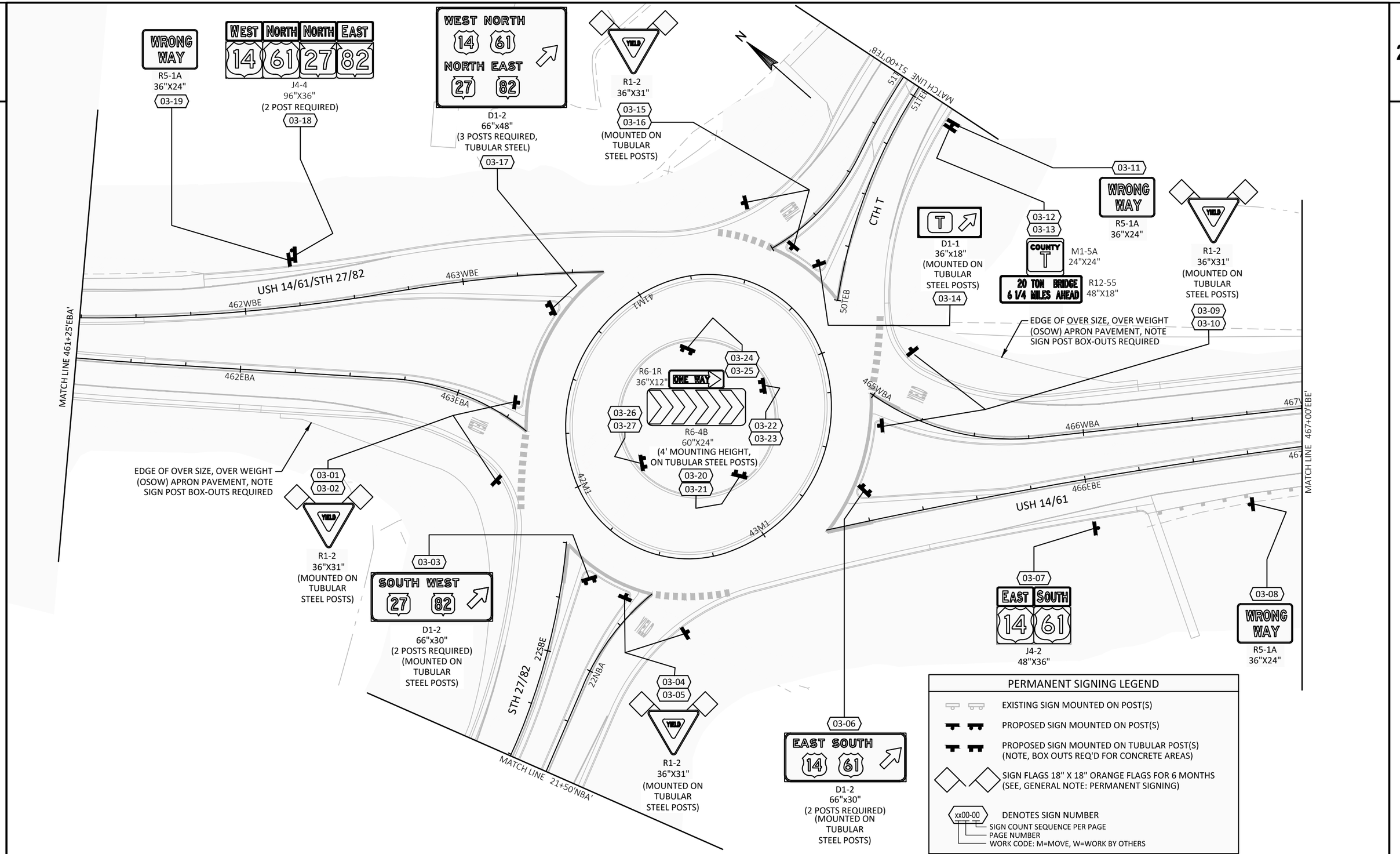
Readstown
Madison
Mt Sterling
De Soto

D1-4
78"x48"
(2 POSTS REQUIRED)

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 35 E

FILE NAME : \\sehlx\Projects\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg
PLOT DATE : 9/21/2022 8:56 AM
PLOT BY : SEH
LAYOUT NAME : 02
PLOT SCALE : 1.0 IN = 40.0 FT

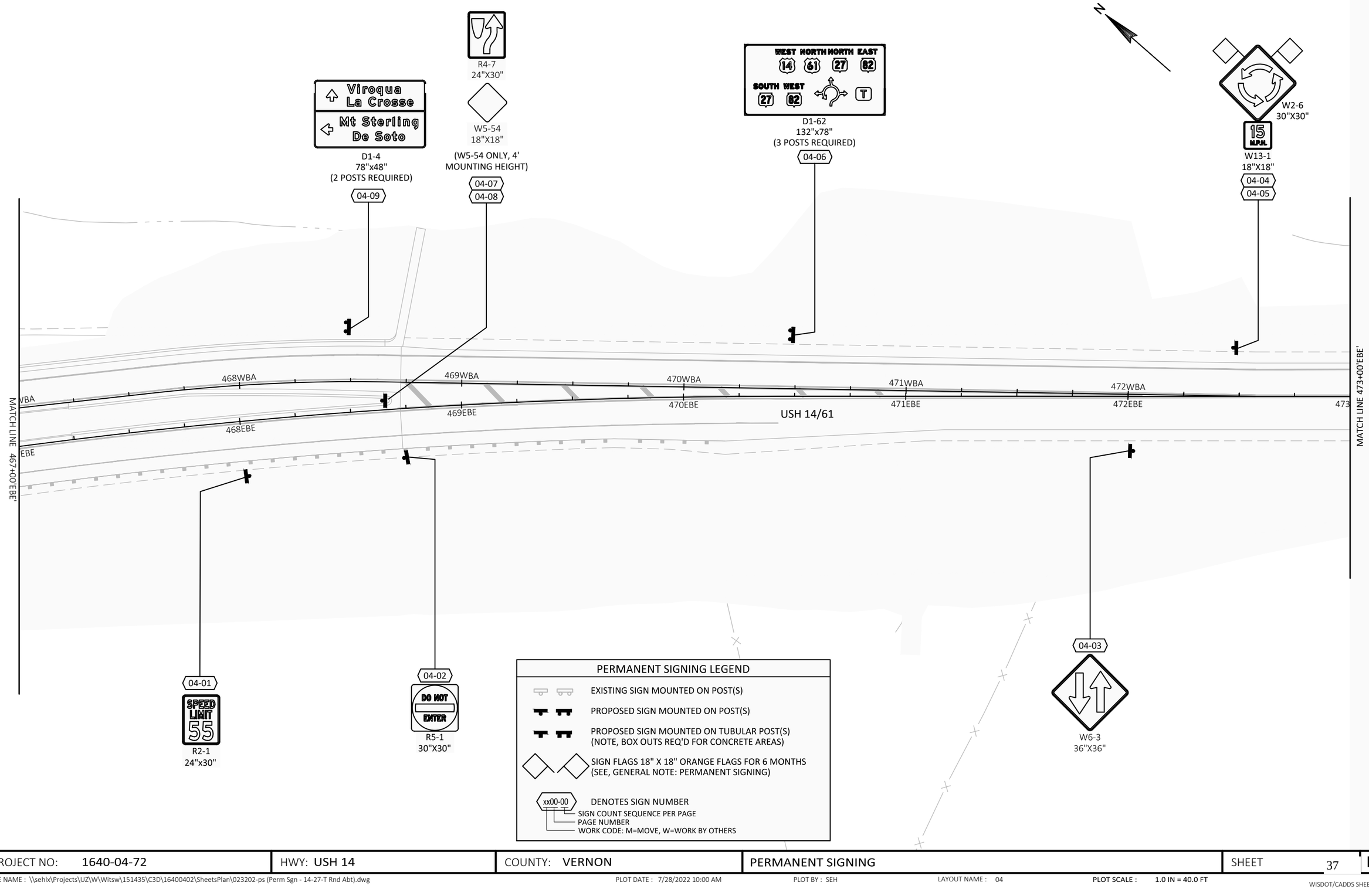
2



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 36 E

FILE NAME : M:\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg
PLOT DATE : 7/29/2022 12:30 PM
PLOT BY : SEH
LAYOUT NAME : 03
PLOT SCALE : 1.0 IN = #### FT
WISDOT/CADDS SHEET 42

2



PERMANENT SIGNING LEGEND

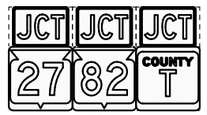
- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 37	E

2

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS



J1-3
72"X39"
05-02

INSTALL AT STA 490+90 'EBE'

INSTALL AT STA 485+95 'EBE'

W4-2R
36"X36"
05-03



W9-1R
36"X36"
05-05

MATCH LINE 473+00'EBE'

USH 14/61

474EBE 475EBE 476EBE 477EBE 478EBE 479EBE

05-04

W4-2R
36"X36"
INSTALL AT STA 485+95 'EBE'

05-01

Readstown	7
Soldiers Grove	12
Madison	86

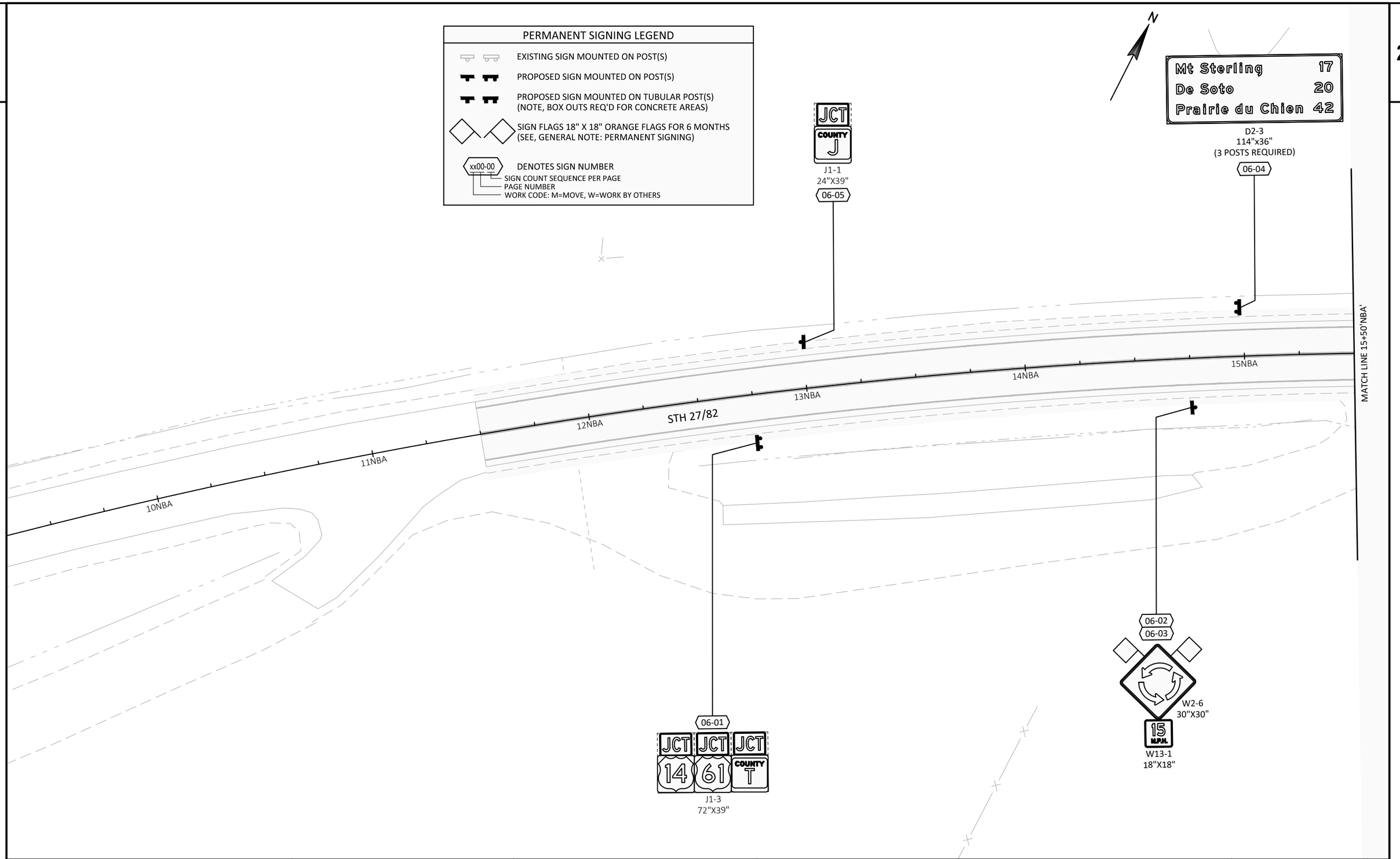
D2-3
102"x36"
(2 POSTS REQUIRED)

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 38 E

FILE NAME : \\sehlx\Projects\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg PLOT DATE : 7/28/2022 10:00 AM PLOT BY : SEH LAYOUT NAME : 05 PLOT SCALE : 1.0 IN = 40.0 FT

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS



2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 39 E

2

2

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 — DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

N

MATCH LINE 15+50'NBA'

16NBA

17SBE

17NBA

18SBE

18NBA

STH 27/82

19SBE

19NBA

20SBE

20NBA

21SBE

21NBA

MATCH LINE 21+50'NBA'

PROP

W6-3
36"X36"
07-08

DO NOT ENTER
R5-1
30"X30"
07-07

SPEED LIMIT 55
R2-1
24"x30"
07-09

WRONG WAY
R5-1A
36"X24"
07-06

SOUTH WEST 27 82
J4-2
48"X36"
07-05

07-01

T
WEST 14 NORTH 61
NORTH 27 EAST 82
EAST 14 SOUTH 61

D1-62
126"x84"
(3 POSTS REQUIRED)

07-02
07-03

R4-7
24"X30"

W5-54
18"X18"
(W5-54 ONLY, 4' MOUNTING HEIGHT)

07-04

Viroqua
La Crosse
Readstown
Madison

D1-4
78"x48"
(2 POSTS REQUIRED)

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 40	E

FILE NAME : \\sehlx\Projects\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg
PLOT DATE : 7/28/2022 10:00 AM
PLOT BY : SEH
LAYOUT NAME : 07
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S) (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

N

R4-7
24"X30"

W5-54
18"X18"
(W5-54 ONLY, 4' MOUNTING HEIGHT)

08-03
08-04

SOUTH WEST
27 82
EAST SOUTH 14 61
WEST NORTH 14 61

D1-62
144"x78"
(3 POSTS REQUIRED)

08-02

VERTICLE FACE OF ROCK OUTCROP

SEPTIC

SEPTIC

MATCH LINE STA 400 TEB

CTH T

52TWB 53TWB 54TWB 55TWB 56TWB 57TWB

52TEB 53TEB 54TEB 55TEB 56TEB

08-01

DO NOT ENTER

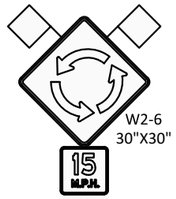
R5-1
30"X30"

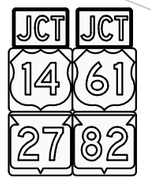
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 41 E

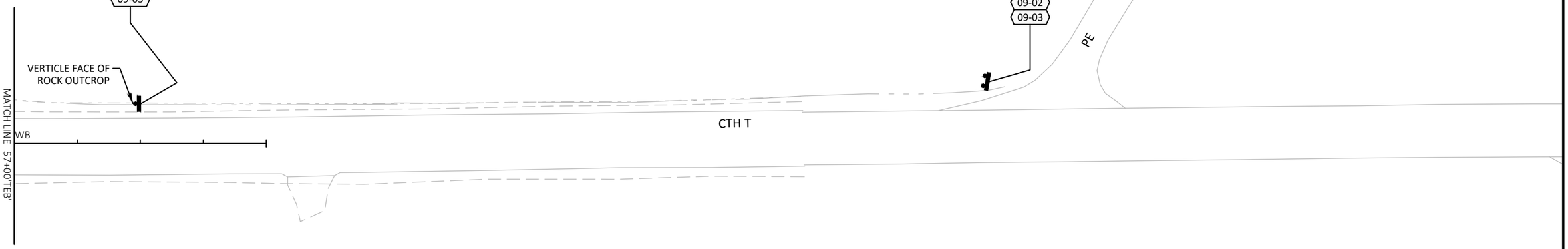
FILE NAME : \\sehlx\Projects\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg PLOT DATE : 7/28/2022 10:01 AM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 40.0 FT

2









PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TUBULAR POST(S)
  (NOTE, BOX OUTS REQ'D FOR CONCRETE AREAS)
- SIGN FLAGS 18" X 18" ORANGE FLAGS FOR 6 MONTHS
  (SEE, GENERAL NOTE: PERMANENT SIGNING)
- xx00-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: M=MOVE, W=WORK BY OTHERS

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PERMANENT SIGNING	SHEET 42 E

FILE NAME : \\sehlx\Projects\UZ\W\Witsw\151435\C3D\16400402\SheetsPlan\023202-ps (Perm Sgn - 14-27-T Rnd Abt).dwg
PLOT DATE : 7/28/2022 10:01 AM
PLOT BY : SEH
LAYOUT NAME : 09
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 42

2

MATCHLINE A

MATCHLINE B

N

PB7
463+06 14EB-Entry, 25.6'LT

PB8
462+80 14EB-Entry, 38.1'RT

LB6 (6,8)
462+87 14EB-Entry, 37'RT
LED B-5(T)-12

LB9 (6,8)
22+12 27NB-Entry, 79.9'LT
LED B-5(T)-12

PB11
22+10 27NB-Entry, 79'LT

PB12
22+13 27NB-Entry, 10.6'LT

PB6
463+15 14EB-Entry, 105.5'LT

LB5 (1,3)
463+17 14EB-Entry, 110.8'LT
LED B-5(T)-12

LB2 (1,3)
50+29 TWB-Entry, 36.7'LT
LED B-5(T)-12

PB3
50+37 TWB-Entry, 38.3'LT

PB4
51+58 TWB-Entry, 24'LT

LB3 (1,3)
51+61 TWB-Entry, 21.7'LT
LED B-5(T)-12

PB5
53+00 TWB-Entry, 24.2'LT

LB4 (1,3)
53+04 TWB-Entry, 22.8'LT
LED B-5(T)-12

PB2
50+26 TWB-Entry, 7.8'RT

LB1 (1,3)
50+36 TWB-Entry, 72.3'RT
LED B-5(T)-12

PB1
50+39 TWB-Entry, 55.4'RT

LC1
465+07 14WB-Entry, 48.5'LT

LB14 (2,4)
465+26 14WB-Entry, 38.3'LT
LED B-5(T)-12

PB18
465+32 14WB-Entry, 40.6'LT

LB10 (5,7)
21+98 27NB-Entry, 35.4'RT
LED B-5(T)-12

PB13
22+05 27NB-Entry, 38.3'RT

LB13 (5,7)
465+18 14WB-Entry, 101'RT
LED B-5(T)-12

PB16
465+20 14WB-Entry, 101.8'RT

PB17
465+25 14WB-Entry, 20.3'RT

PB19
466+92 14WB-Entry, 26.6'LT

LB15 (2,4)
466+95 14WB-Entry, 24.2'LT
LED B-5(T)-12

PB20
468+47 14WB-Entry, 40.6'LT

LB16 (2,4)
468+50 14WB-Entry, 22.8'LT
LED B-5(T)-12

STH 27 SB

USH 14 EB

USH 14 WB

LIGHTING PLAN LEGEND

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

LBX (X,X) — CABINET NUMBER, POLE NUMBER, LIGHTING CIRCUITS
STA xxx+xx, xx.x' LT — LOCATION
LED B-5(T)-12 — LUMINAIRE ARM LENGTH (FT), POLE TYPE, TRANSFORMER BASE, LUMINAIRE DESIGNATION

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	LIGHTING PLAN	SHEET 43	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\16400402 - USH 14, RAB VIROQUA\TRAFFIC\ELECTRICAL\LIGHTING\CADD\LIGHTING.1640-04-72.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 6/7/2022 1:21 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : ##########

2

LB8 (6,8)
460+08 14EB-ENTRY, 23.5'RT
LED B-5(T)-12

PB10
460+13 14EB-ENTRY, 23.8'RT

LB7 (6,8)
461+61 14EB-ENTRY, 21.8'RT
LED B-5(T)-12

PB9
461+65 14EB-ENTRY, 24.7'RT

USH 14 EB

460

460

OH

OH

OH

T

T

T

T

FO

FO

FO

FO

FO

PROP

W

W

N

MATCHLINE A

LIGHTING PLAN LEGEND

LIGHTING UNIT

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE METER

CONDUIT RIGID NONMETALLIC 2"

PULLBOX NONCONDUCTIVE. 24X42 INCH

LBX (X,X) — CABINET NUMBER, POLE NUMBER, LIGHTING CIRCUITS
STA xxx+xx. xx.x' LT — LOCATION
LED B-5(T)-12 — LUMINAIRE ARM LENGTH (FT), POLE TYPE, TRANSFORMER BASE, LUMINAIRE DESIGNATION

PROP

SEPTIC

T

T

T

T

2

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH, YELLOW
2. MARKING LINE EPOXY 4-INCH, WHITE
3. MARKING LINE EPOXY 8-INCH, WHITE
4. MARKING DOTTED EXTENSION EPOXY 18-INCH, WHITE (2-FT LINE, 2-FT GAP)
5. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25-FT SPACING, CENTER TO CENTER)
6. MARKING WORD EPOXY, WHITE

NOTES
SEE THE FOLLOWING SDD'S:
- SDD 15C08-21A LONGITUDINAL MARKING (MAINLINE)
- SDD 15C07-B PAVEMENT MARKING WORDS
- SDD 15C18-B PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

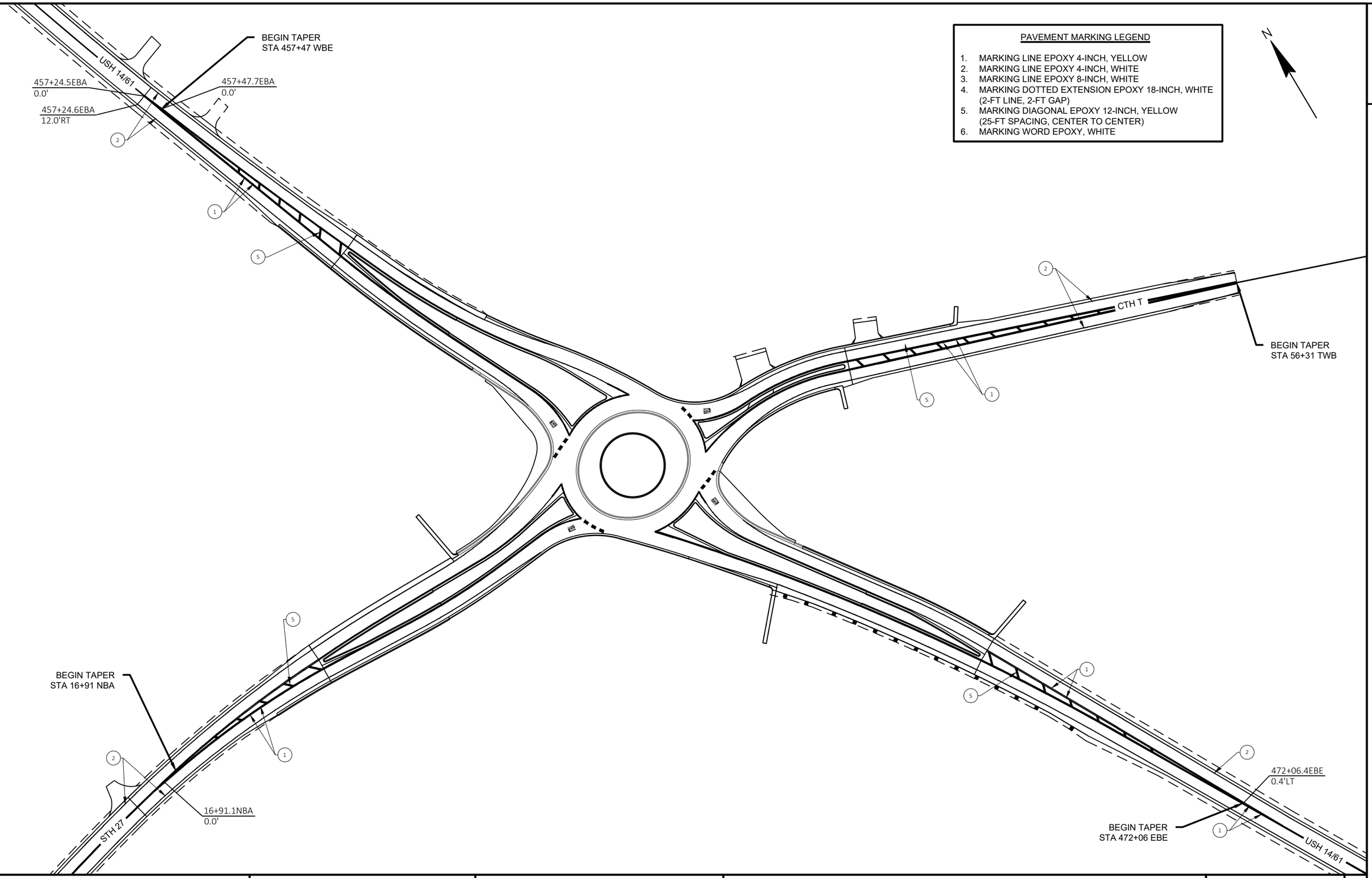
N

USH 14/61
462+65.1EBA
55.3'LT
463+11.7EBA
65.4'LT
462+76.3EBA
17.0'RT
463+21.5EBA
0.0'
463+25.4EBA
79.5'LT
50+00.0TWB
0.0'
50+32.7TWB
17.2'LT
22+34.4NBA
42.4'LT
463+35.8EBA
0.0'
CTH T
50+11.1TWB
0.0'
21+94.8NBA
40.1'LT
22+23.6NBA
32.1'LT
50+10.2TWB
36.1'RT
50+37.7TWB
32.4'RT
50+21.0TWB
24.3'RT
22+32.0NBA
0.0'
465+12.4EBE
56.5'LT
465+24.0EBE
93.8'LT
STH 27
21+84.4NBA
15.7'RT
22+45.3NBA
0.0'
464+79.9EBE
0.0'
465+23.5EBE
47.2'LT
465+68.1EBE
42.4'LT
465
465+01.3EBE
1.0'RT
465+50.3EBE
16.0'RT
USH 14/61

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PAVEMENT MARKINGS	SHEET 45	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 023201-ps - 01
PLOT DATE : 9/21/2022 8:59 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PAVEMENT MARKINGS	SHEET 46	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 023201-ps - 02
PLOT DATE : 7/28/2022 10:01 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

END MARKING LINE
EPOXY 4-INCH-WHITE
STA 447+55 EBA

USH 14/61 (NORTH)

USH 14/61

450

2

END MARKING LINE
EPOXY 4-INCH - WHITE
STA 478+02 EBE

USH 14/61 (SOUTH)

USH 14/61

480

1

2

END MARKING LINE
EPOXY 4-INCH - YELLOW
EPOXY 4-INCH - WHITE
STA 480+98 EBE

STH 27

STH 27

1

2

END MARKING LINE
EPOXY 4-INCH - YELLOW
STA 11+50 NBA

END MARKING LINE
EPOXY 4-INCH - WHITE
STA 11+50 NBA

CTH T

CTH T

5

2

2

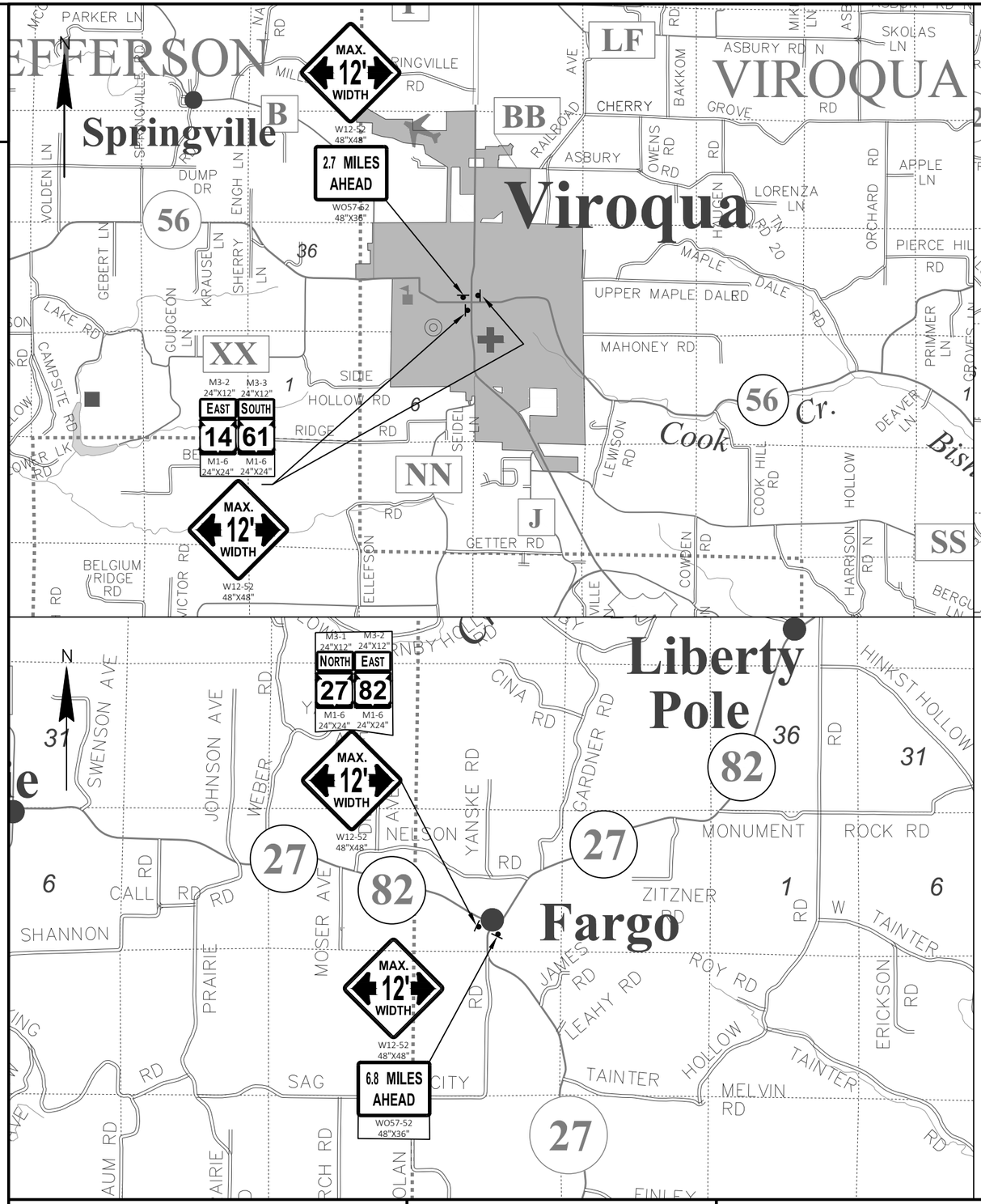
END MARKING LINE
EPOXY 4-INCH - YELLOW
STA 54+81 TEB

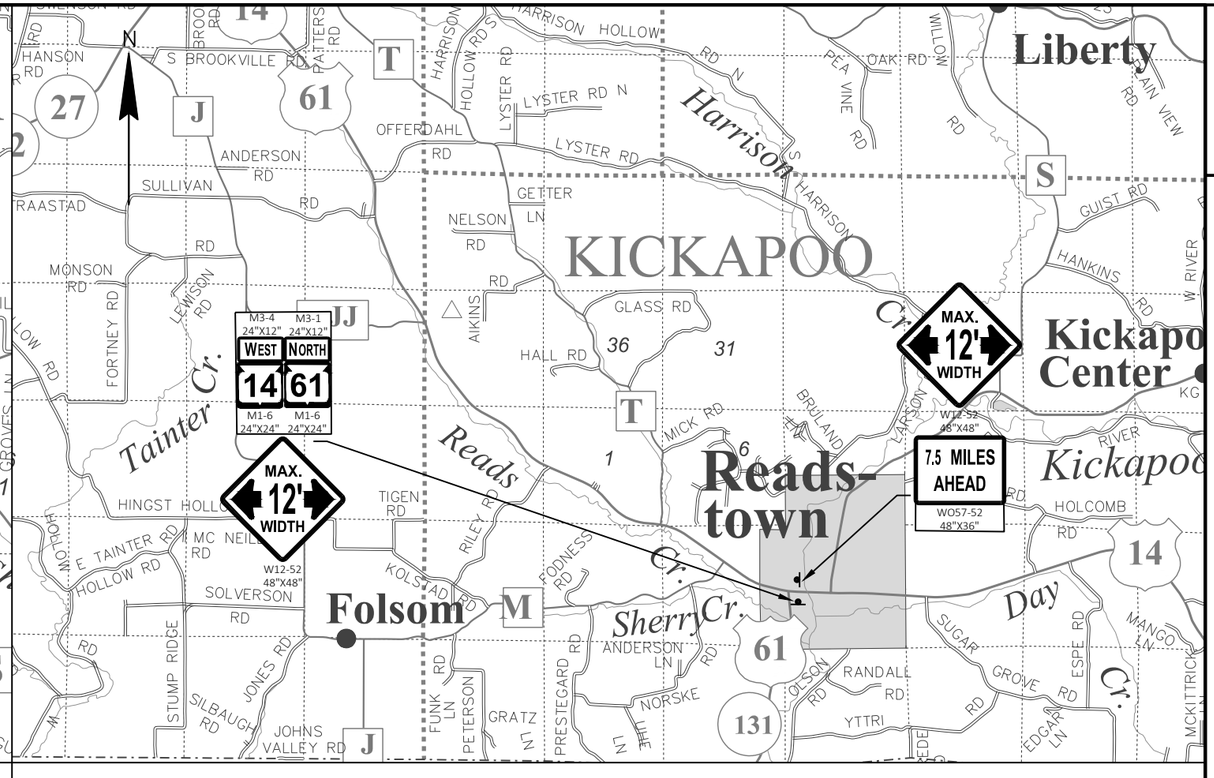
END MARKING LINE
EPOXY 4-INCH - WHITE
STA 56+30 TEB

1

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH, YELLOW
2. MARKING LINE EPOXY 4-INCH, WHITE
3. MARKING LINE EPOXY 8-INCH, WHITE
4. MARKING DOTTED EXTENSION EPOXY 18-INCH, WHITE (2-FT LINE, 2-FT GAP)
5. MARKING DIAGONAL EPOXY 12-INCH, YELLOW (25-FT SPACING, CENTER TO CENTER)
6. MARKING WORD EPOXY, WHITE





NOTES

FOLLOW SDD 15C02-F ADVANCED WIDTH RESTRICTION SIGNING.

SIGN FOR A MINIMUM 12-FT WIDTH.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	WIDTH RESTRICTION SIGNING OVERVIEW	SHEET 48	E

2

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE EXISTING ROADWAY, UTILIZING LANE CLOSURES AND LANE SHIFTS.

SEE SDD 15D20-B TRAFFIC CONTROL, RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY & SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY.

N

USH 14/61

MB
MESSAGE
ROADWORK
STARTING
X/XX/XX

NOTE
HAVE PCMS IN PLACE 2 WEEKS
PRIOR TO START OF WORK.

BM 1000

BM 1001

REMOVE CURB
& GUTTER

MB
MESSAGE
ROAD CLOSED | STARTING XX/XX/XX

NOTE
HAVE IN PLACE 2 WEEKS PRIOR TO CLOSURE IN STAGE 2.

PLACE IN ADDITIONAL MESSAGE BOARD AT THE INTERSECTION OF CTH T & COWDEN RD.

ASPHALTIC SURFACE TEMPORARY

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (B) TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

STH 27/82

MB
MESSAGE
ROADWORK
STARTING
X/XX/XX

NOTE
HAVE PCMS IN PLACE 2 WEEKS
PRIOR TO START OF WORK.

NOTE
HAVE PCMS IN PLACE
2 WEEKS PRIOR TO
START OF WORK.

MESSAGE
ROADWORK
STARTING
X/XX/XX

MB

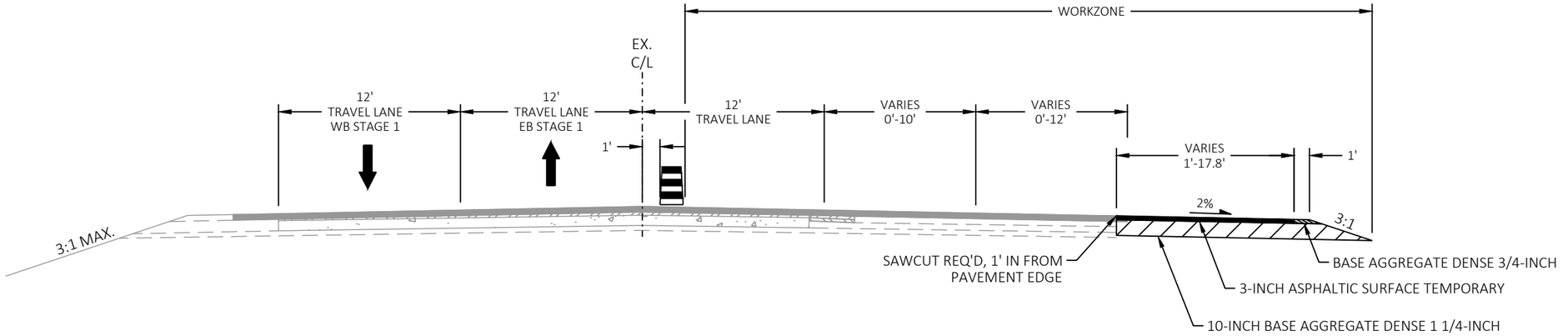
USH 14/61

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 49	E

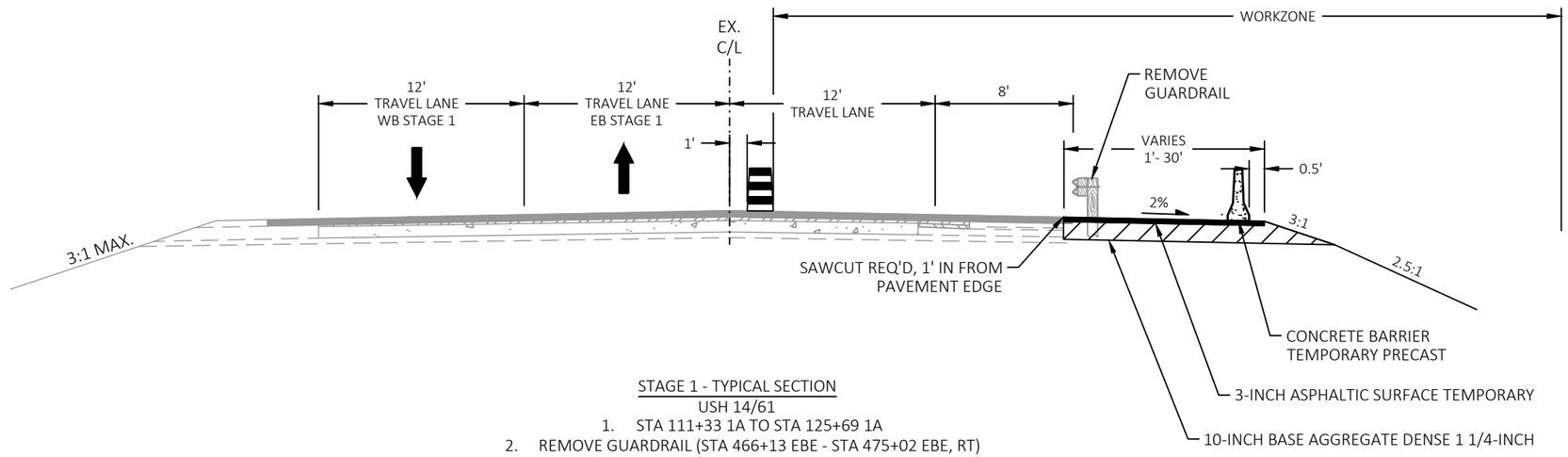
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025100_TC.DWG
LAYOUT NAME - 1-0

PLOT DATE : 7/28/2022 10:03 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

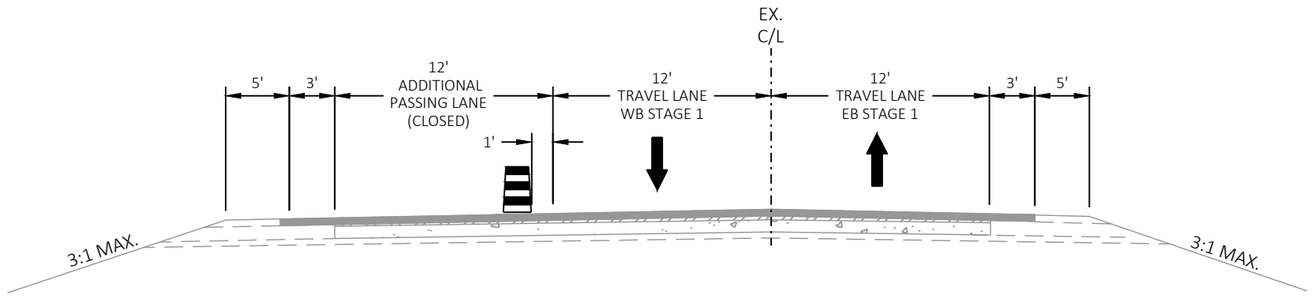


STAGE 1 - TYPICAL SECTION
USH 14/61
1. STA 101+47 1A TO STA 110+84 1A
2. CONSTRUCT TEMPORARY PAVEMENT

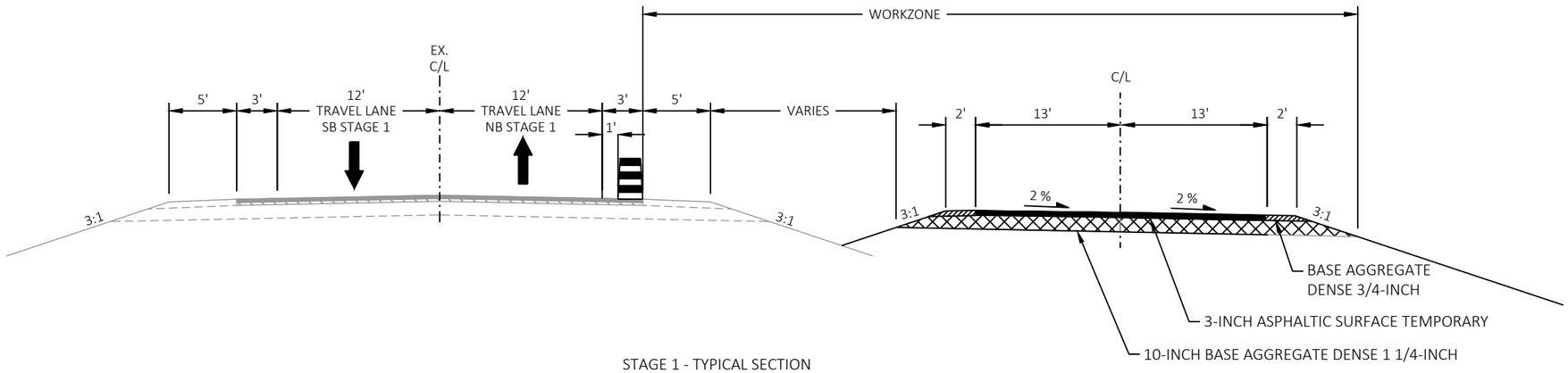


STAGE 1 - TYPICAL SECTION
USH 14/61
1. STA 111+33 1A TO STA 125+69 1A
2. REMOVE GUARDRAIL (STA 466+13 EBE - STA 475+02 EBE, RT)
3. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO ROADWAY SHOULDER

2



STAGE 1 - TYPICAL SECTION
USH 14/61
STA 477+68 EBE - TO END OF PROJECT AREA



STAGE 1 - TYPICAL SECTION
STH 27/82
1. STA 304+20 1B TO STA 309+05 1B
2. REMOVE ISLAND
3. CONSTRUCT TEMPORARY PAVEMENT

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 51	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-02
PLOT DATE : 7/28/2022 10:05 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:10 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
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (B) TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ASPHALTIC SURFACE TEMPORARY

x x x MARKING REMOVAL LINE 4-INCH

N

KEEP SECONDARY WB LANE CLOSED

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

SPEED LIMIT 55 R2-1 24"X30"

ONCOMING TRAFFIC USES CENTER LANE REMOVE

END ROAD WORK G20-2A 48"X24"

USH 14/61

100+00 1A 0.0 FT LT

102 1A

500' 500' 500' 500' 50'

W1-6 48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

SPEED LIMIT 45 W03-5

SPEED LIMIT 45 R2-1 24"X30"

ROAD WORK AHEAD W20-1A

1500'

ROAD WORK 1000 FT W20-1C

500'

ROAD WORK 500 FT W20-1D

W01-4L

R/W

R/W

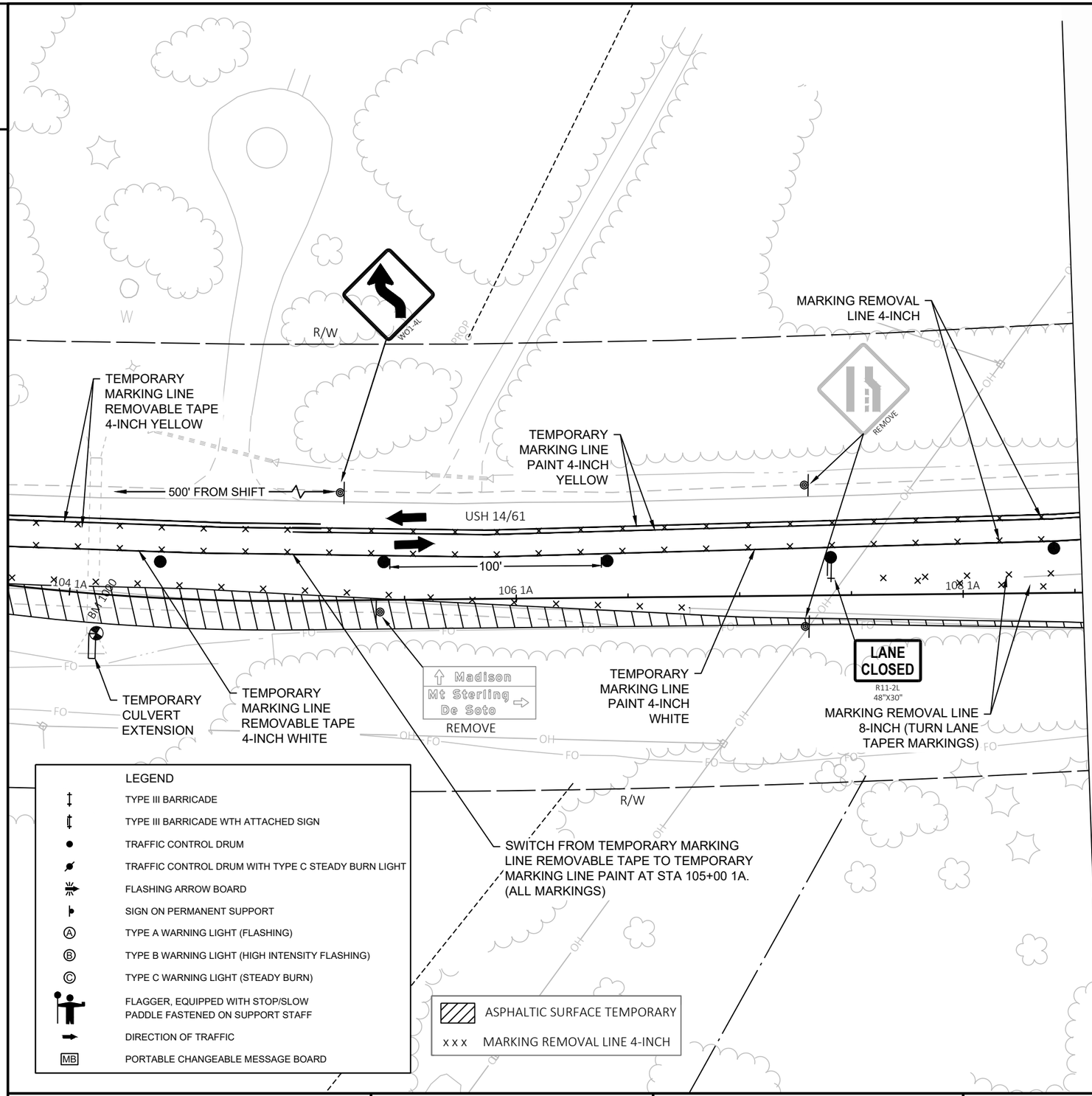
SDD 15D50-B TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC. FOLLOW SDD 15C02 ADVANCED WIDTH RESTRICTION SIGNING.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 52	E

2

2



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 53	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025100_TC.DWG
LAYOUT NAME - 1-2

PLOT DATE : 7/28/2022 10:06 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

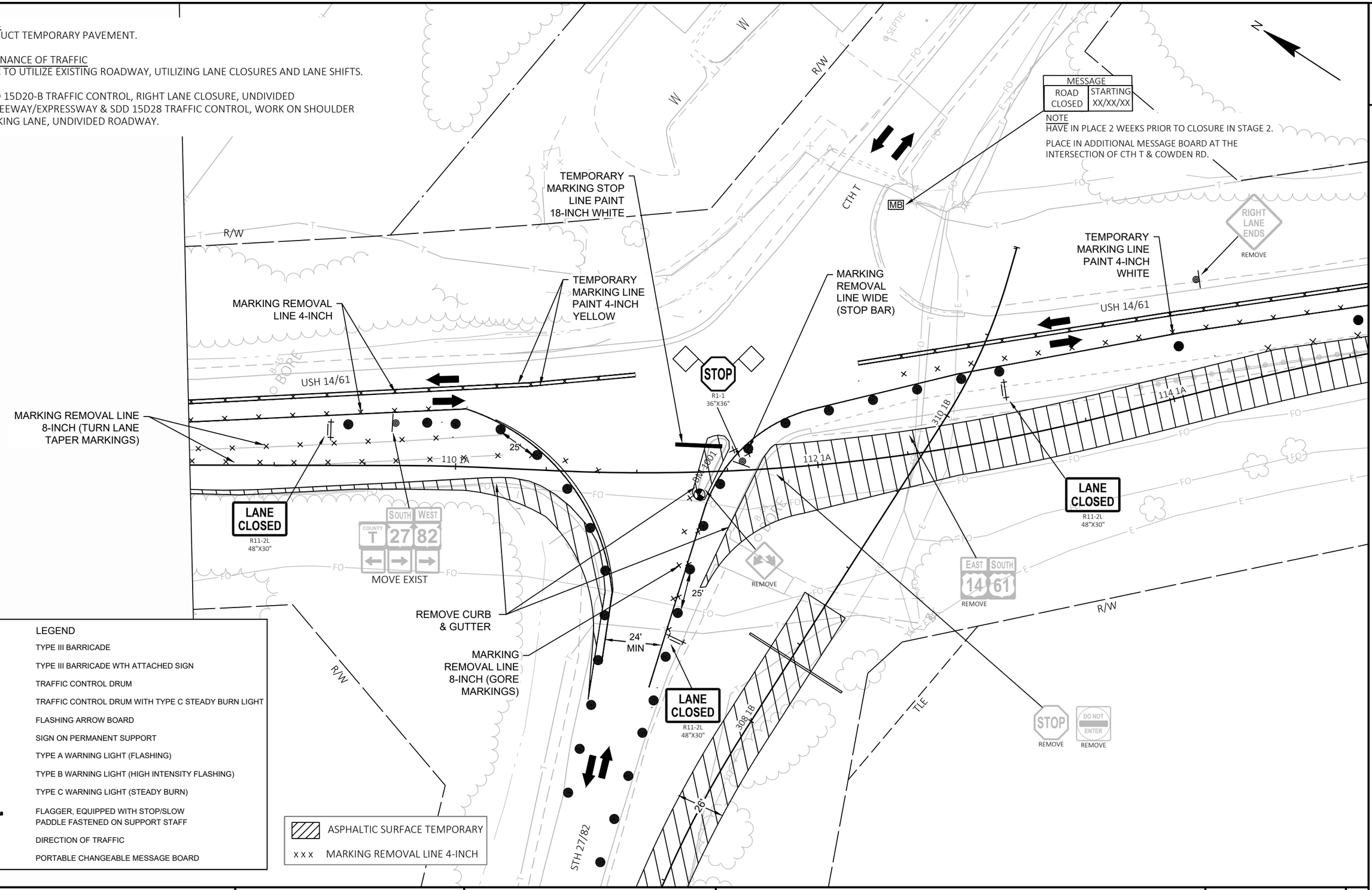
WISDOT/CADDS SHEET 42

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE EXISTING ROADWAY, UTILIZING LANE CLOSURES AND LANE SHIFTS.

SEE SDD 15D20-B TRAFFIC CONTROL, RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY & SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY.



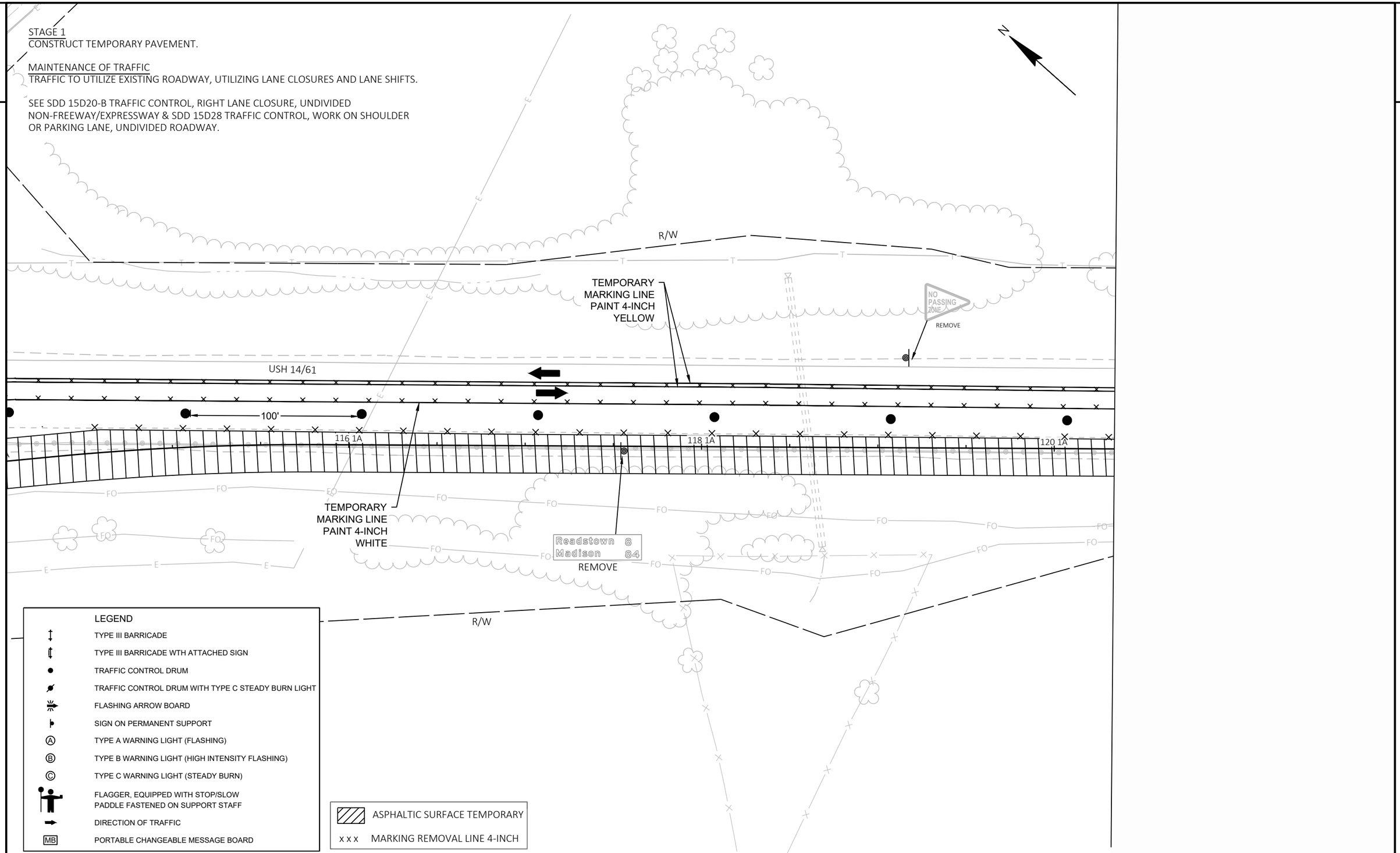
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 54	E

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE EXISTING ROADWAY, UTILIZING LANE CLOSURES AND LANE SHIFTS.

SEE SDD 15D20-B TRAFFIC CONTROL, RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY & SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY.

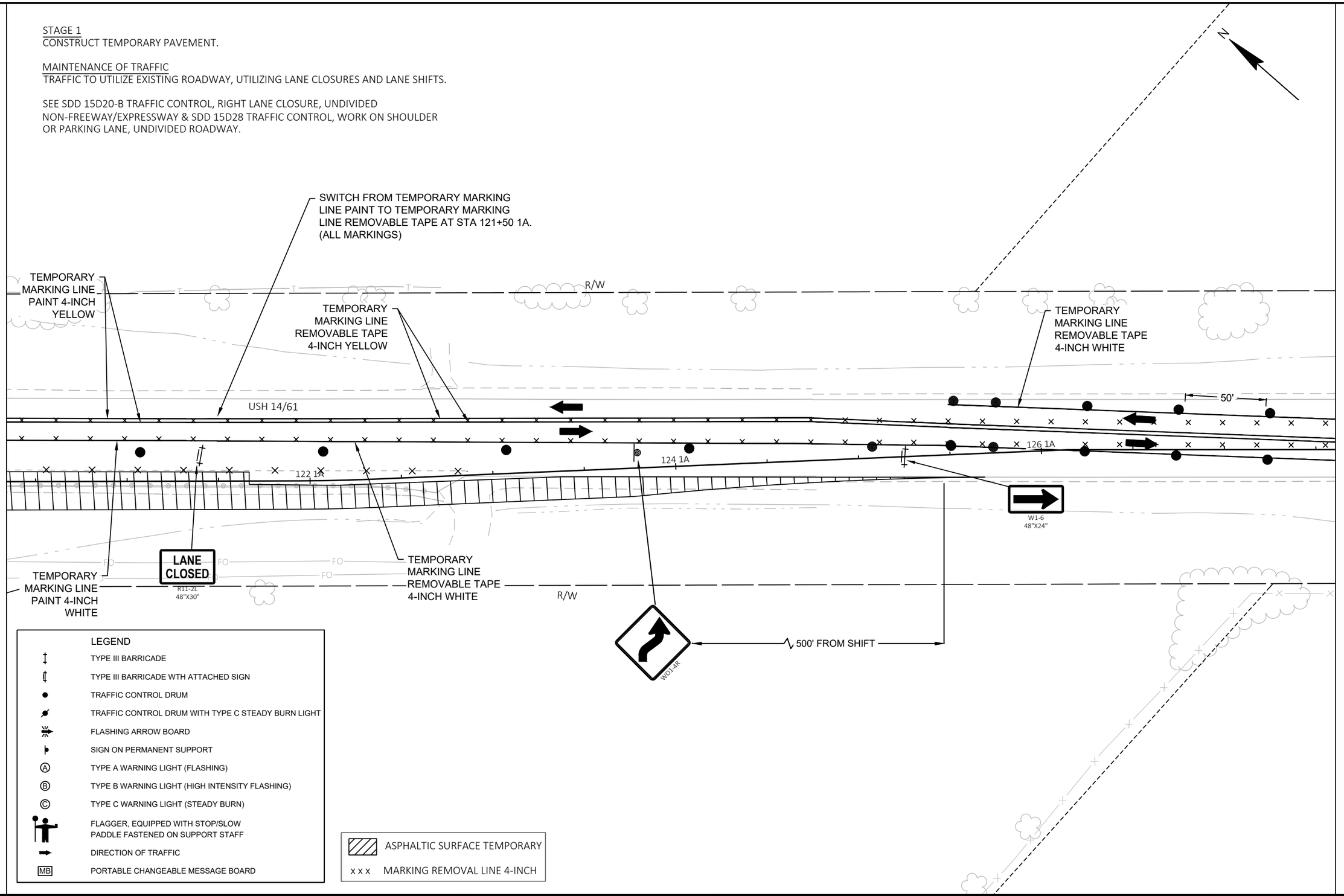


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 55	E

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE EXISTING ROADWAY, UTILIZING LANE CLOSURES AND LANE SHIFTS.

SEE SDD 15D20-B TRAFFIC CONTROL, RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY & SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY.



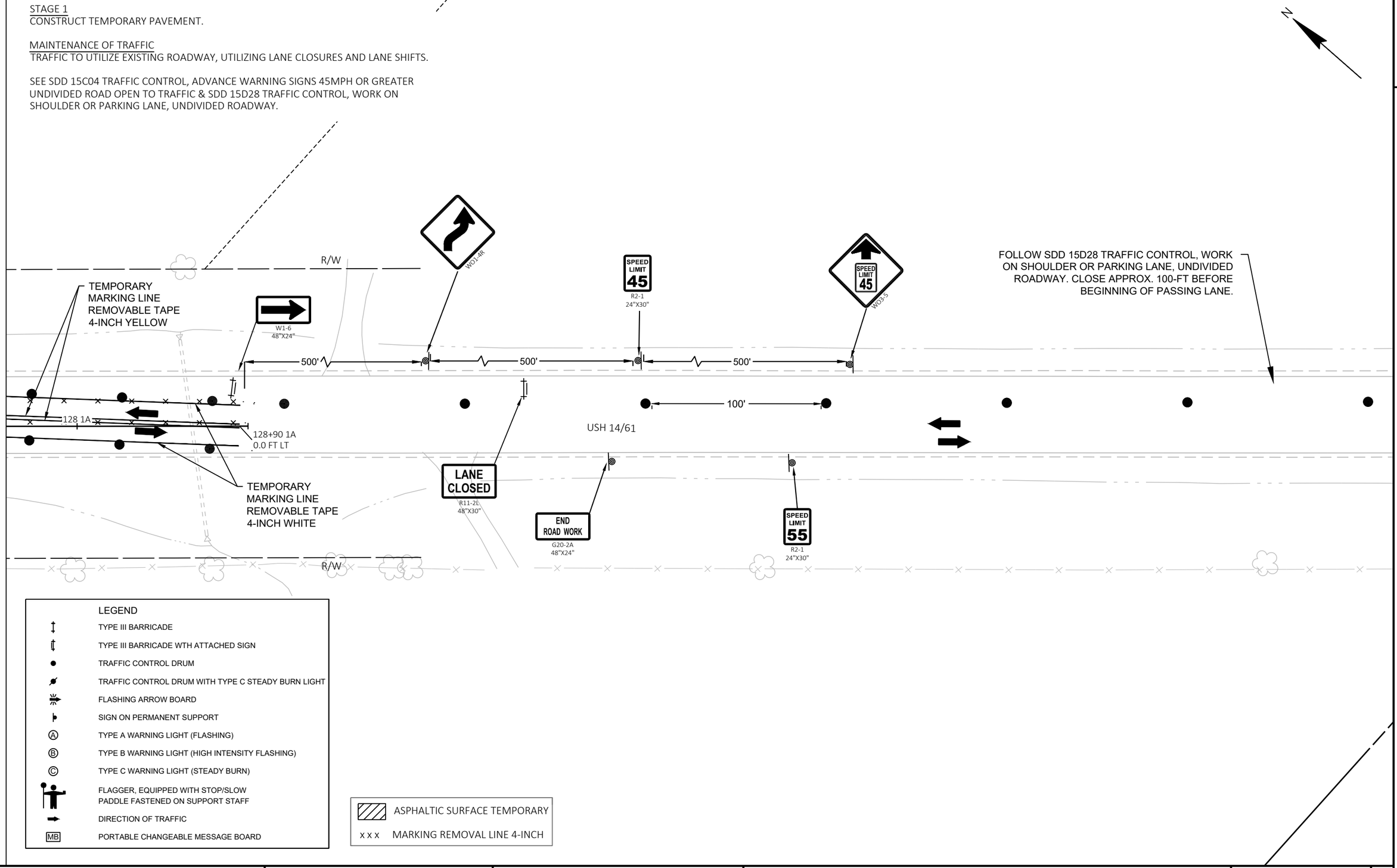
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 56	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025100_TC.DWG
LAYOUT NAME - 1-5
PLOT DATE : 7/28/2022 10:07 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE EXISTING ROADWAY, UTILIZING LANE CLOSURES AND LANE SHIFTS.

SEE SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC & SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (B) TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

- ASPHALTIC SURFACE TEMPORARY
- x x x MARKING REMOVAL LINE 4-INCH

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 57	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (B) TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- [MB] PORTABLE CHANGEABLE MESSAGE BOARD

ASPHALTIC SURFACE TEMPORARY

x x x MARKING REMOVAL LINE 4-INCH

SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

SPEED LIMIT 55 R2-1 24"X30"

STOP R1-1 36"X36"

24' MIN

25'

LANE CLOSED R11-2L 48"X30"

STH 27/82

304 1B

306 1B

308 1B

26'

110 1A

112 1A

1001

R/W

TLE

FO

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC. FOLLOW SDD 15C02 ADVANCED WIDTH RESTRICTION SIGNING.

500' 500' 500'

SPEED LIMIT 45 W03-5

SPEED LIMIT 45 R2-1 24"X30"

ROAD WORK AHEAD W20-1A

1500'

ROAD WORK 1000 FT W20-1C

500'

ROAD WORK 500 FT W20-1D

N

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 1	SHEET 58	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025100_TC.DWG
LAYOUT NAME - 1-7

PLOT DATE : 7/28/2022 10:07 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

STAGE 1
REMOVE CONCRETE ISLAND ON STH 27 LEG AND PLACE TEMPORARY PAVEMENT BEFORE ANY OTHER WORK IS PERFORMED IN STAGE 1. TO ALLOW FOR TRUCK TURNING MOVEMENTS.

CONSTRUCT TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE EXISTING ROADWAY. RIGHT TURN LANE ON STH 27 AND NORTH USH 14 TO HAVE SHORT TERM CLOSURES FOR CONSTRUCTION OF TEMPORARY PAVEMENT.

N

FIRST WORK PERFORMED IN STAGE 1 - REMOVE CONCRETE ISLAND

REMOVE CURB & GUTTER

SLOPE INTERCEPT

USH 14/61

STH 27/82

CTH T

BM 1000

BM 1001

ASPHALTIC SURFACE TEMPORARY

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1 OVERVIEW	SHEET 59	E

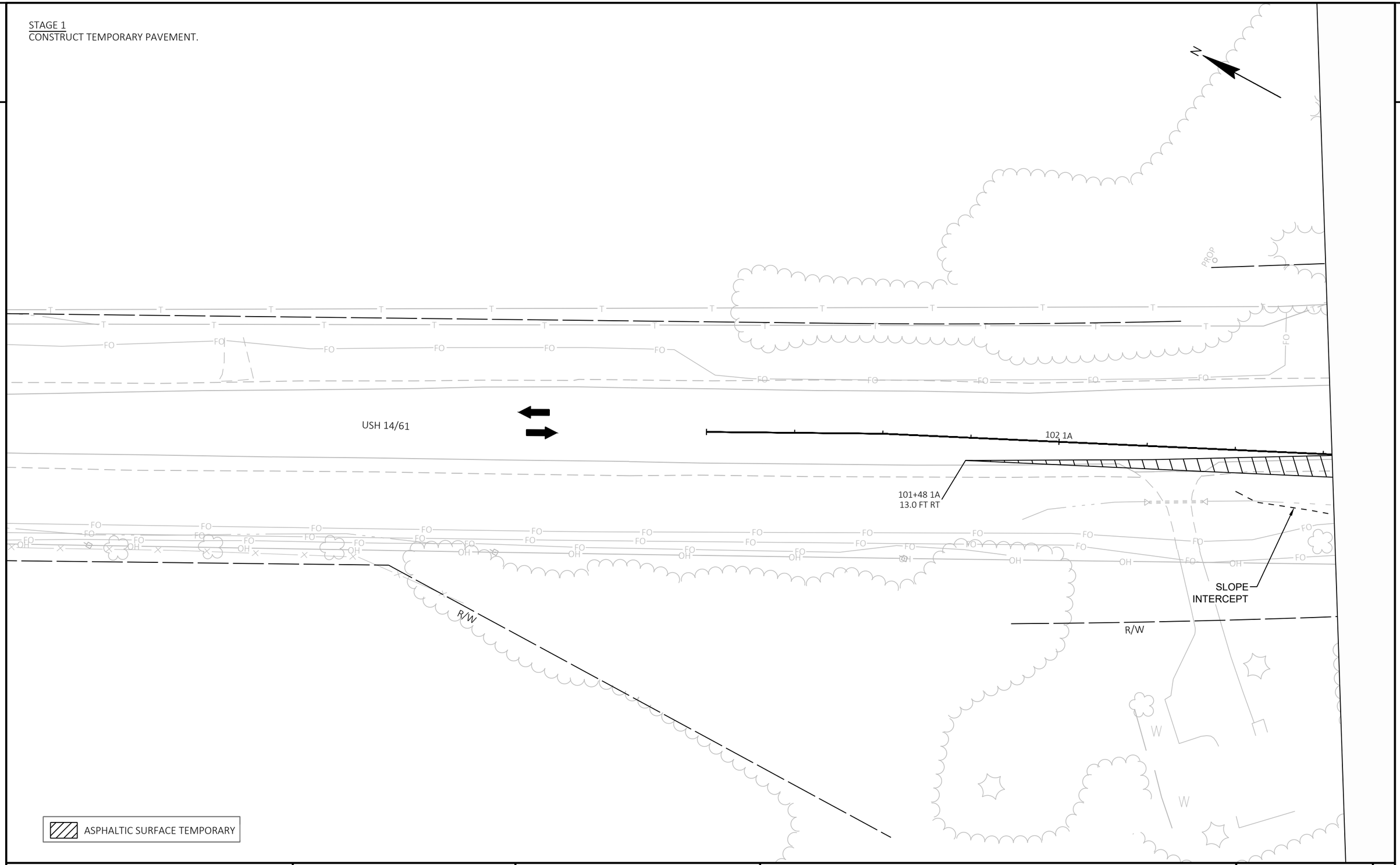
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-3

PLOT DATE : 7/28/2022 10:09 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 60	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-4
PLOT DATE : 7/28/2022 10:09 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

N

R/W

PROP

USH 14/61

104 1A

BV 7300

106 1A

108 1A

103+95 1A
13.0 FT RT

104+95 1A
13.0 FT RT

106+20 1A
13.0 FT RT

107+45 1A
12.8 FT RT

SLOPE
INTERCEPT

TEMPORARY CONNECT TO EXISTING STRUCTURE,
CONNECT TO EXISTING 3.5' X 5' BOX CULVERT.
36" X 12' CULVERT PIPE TEMPORARY REQ'D

R/W

ASPHALTIC SURFACE TEMPORARY

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 61	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-5

PLOT DATE : 7/29/2022 8:51 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

N

R/W

W

W

R/W

SEPTIC

CTH T

905

USH 14/61

USH 14/61

B-15
BORE

114+60 1A
13.0 FT LT

112+88 1A
13.0 FT LT

114 1A

310 1B

111+77 1A
13.0 FT LT

112 1A

110 1A

8" CMP

112+61 1A
16.7 FT RT

CAUTION

112+15 1A
22.0 FT RT

108+82 1A
16.4 FT RT

109+46 1A
13.0 FT RT

110+04 1A
13.0 FT RT

110+51 1A
25.6 FT RT

308+76 1B
13.4 FT LT

308+76 1B
13.0 FT LT

111+36 1A
63.3 FT RT

R/W

SLOPE
INTERCEPT

REMOVE CURB
& GUTTER

FENCE SAFETY REQ'D TO
PROTECT ELECTRICAL
PEDESTAL AREA

R/W

110+77 1A
125.3 FT RT

STH 27/82

308 1B

TILE

CONSTRUCT APRON 1 AND INLET
2. SEAL PIPE BETWEEN INLET 2
AND INLET 3 TO CONTINUE
STORM SEWER CONSTRUCTION
DURING STAGE 2.

CONSTRUCT TEMPORARY CULVERT
1-12" X 60' CPCS REQ'D
2- AECP REQ'D

26'

ASPHALTIC SURFACE TEMPORARY

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 62	E

FILE NAME : M:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-6

PLOT DATE : 9/24/2022 8:00 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

N

R/W

USH 14/61

114+60 1A
13.0 FT LT

116 1A

118 1A

120 1A

115+84 1A
15.5 FT RT

118+89 1A
15.5 FT RT

R/W
SLOPE
INTERCEPT

EXTEND EXISTING CULVERT
36" X 14' CPRC CLASS III REQ'D
1- 36" AECP REQ'D

ASPHALTIC SURFACE TEMPORARY

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 63	E

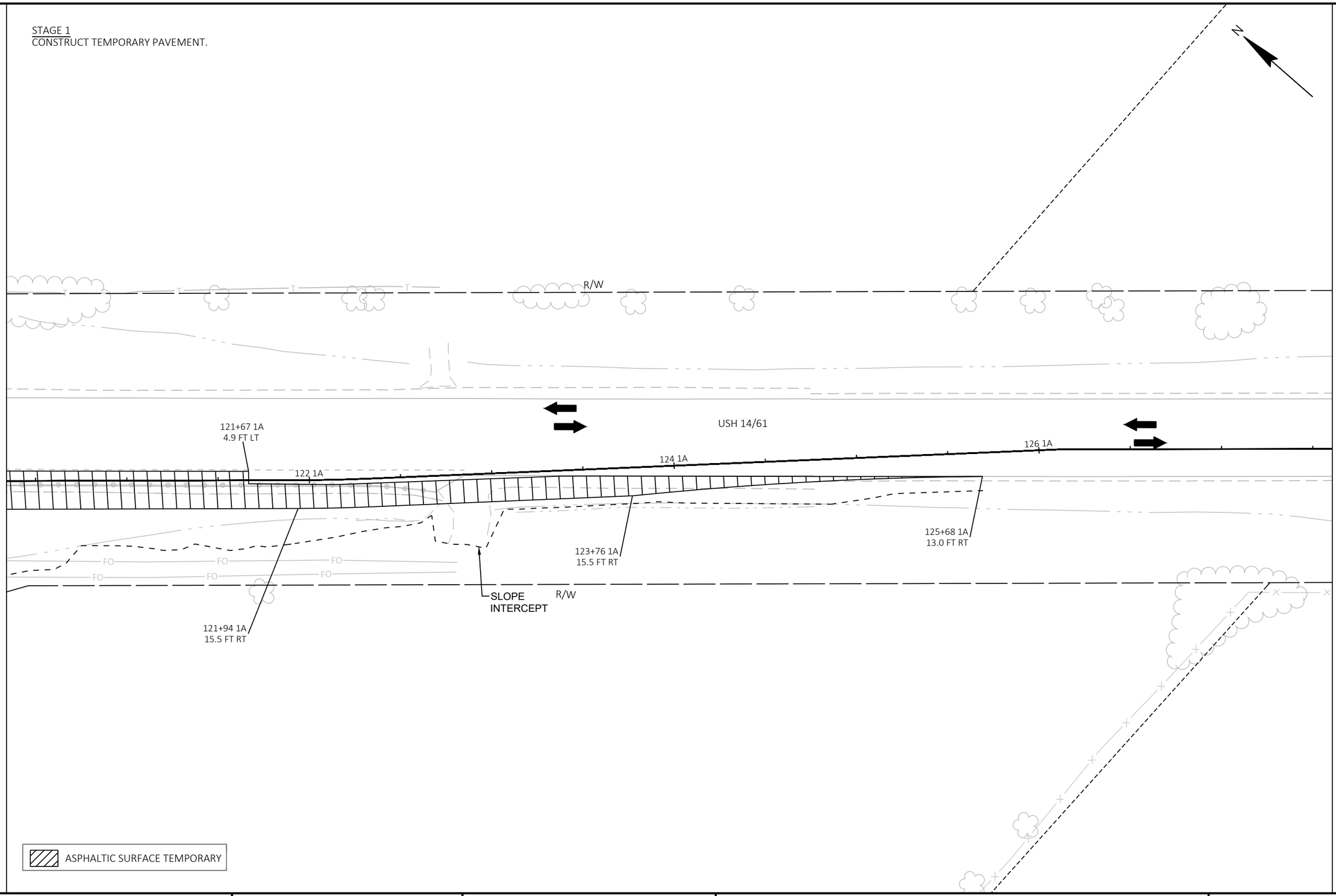
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-7

PLOT DATE : 7/28/2022 10:09 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.



2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 64	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-8
PLOT DATE : 7/28/2022 10:09 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

STAGE 1
CONSTRUCT TEMPORARY PAVEMENT.

N

R/W

304 1B

304+81 1B 13.1 FT RT

305+52 1B
13.0 FT LT

305+51 1B
9.3 FT LT

306 1B

26'

308 1B

STH 27/82

109+46 1A
13.0 FT RT

110+04 1A
13.0 FT RT

110+51 1A
25.6 FT RT

110+77 1A
125.3 FT RT

110 1A

BM 1001

111+36 1A
63.3 FT RT

111+77
13.0 F

308+76 1B
13.4 FT LT

112 1A

112+15 1A
22.0 FT RT

308+76 1B
13.0 FT LT

112+61 1A
16.7 FT RT

R/W

TLE

R/W

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 1	SHEET 65	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 1-9

PLOT DATE : 7/28/2022 10:09 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

CONSTRUCT NB LANE OF STH 27

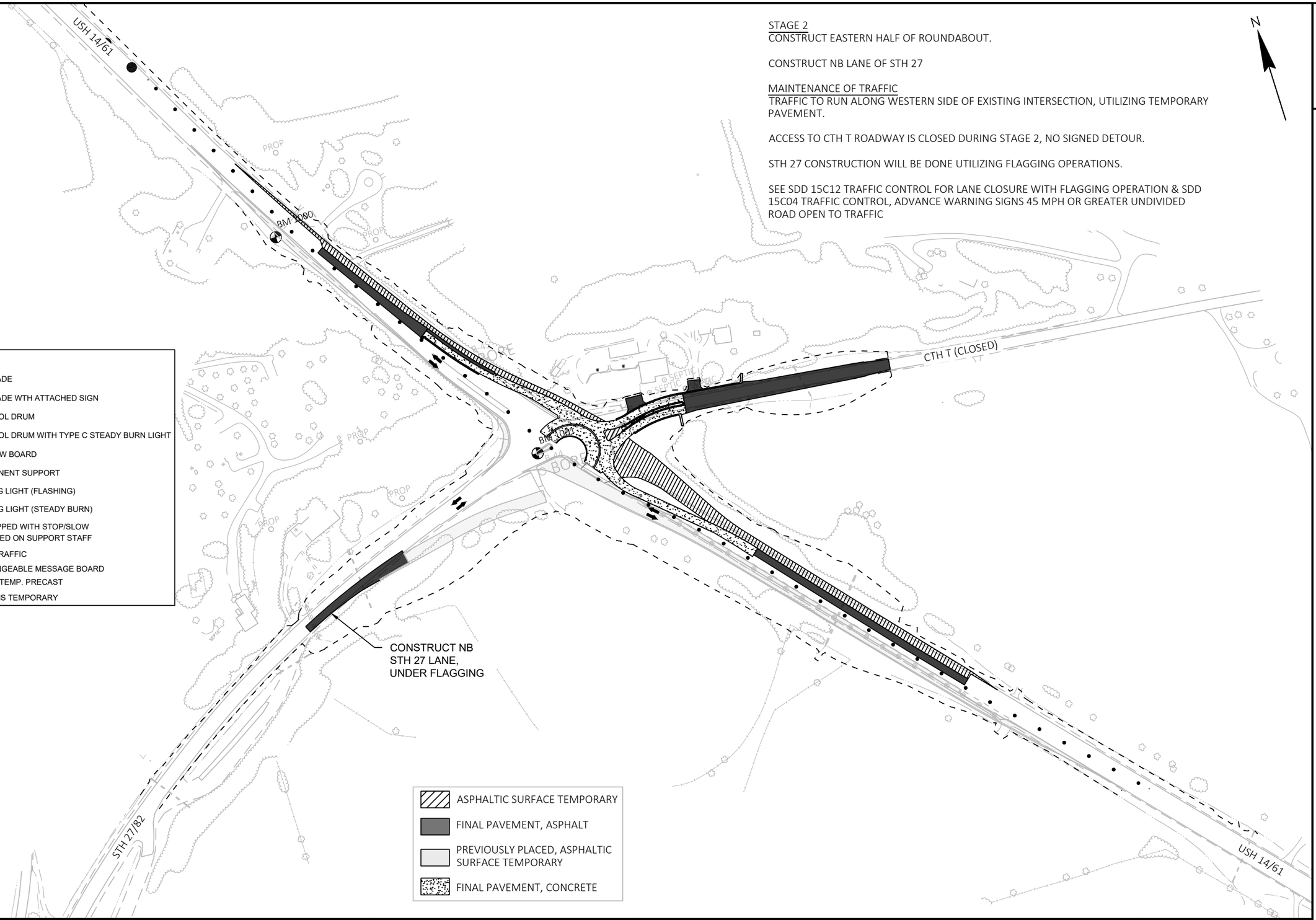
MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

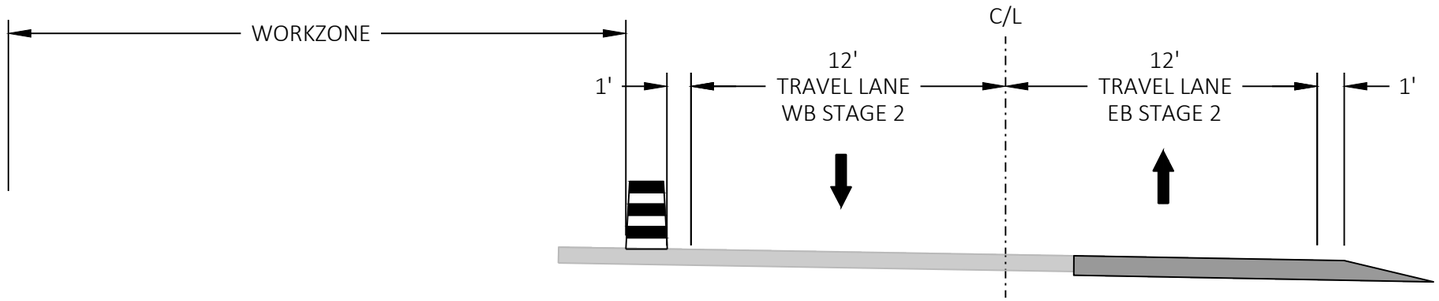
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 66	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025101_TC.DWG
LAYOUT NAME - 2-1

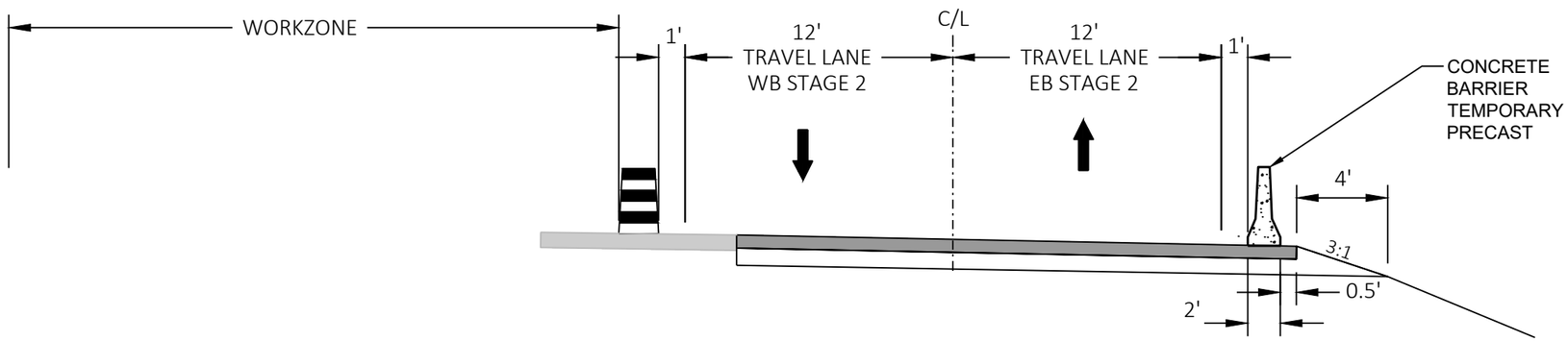
PLOT DATE : 7/28/2022 10:11 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2



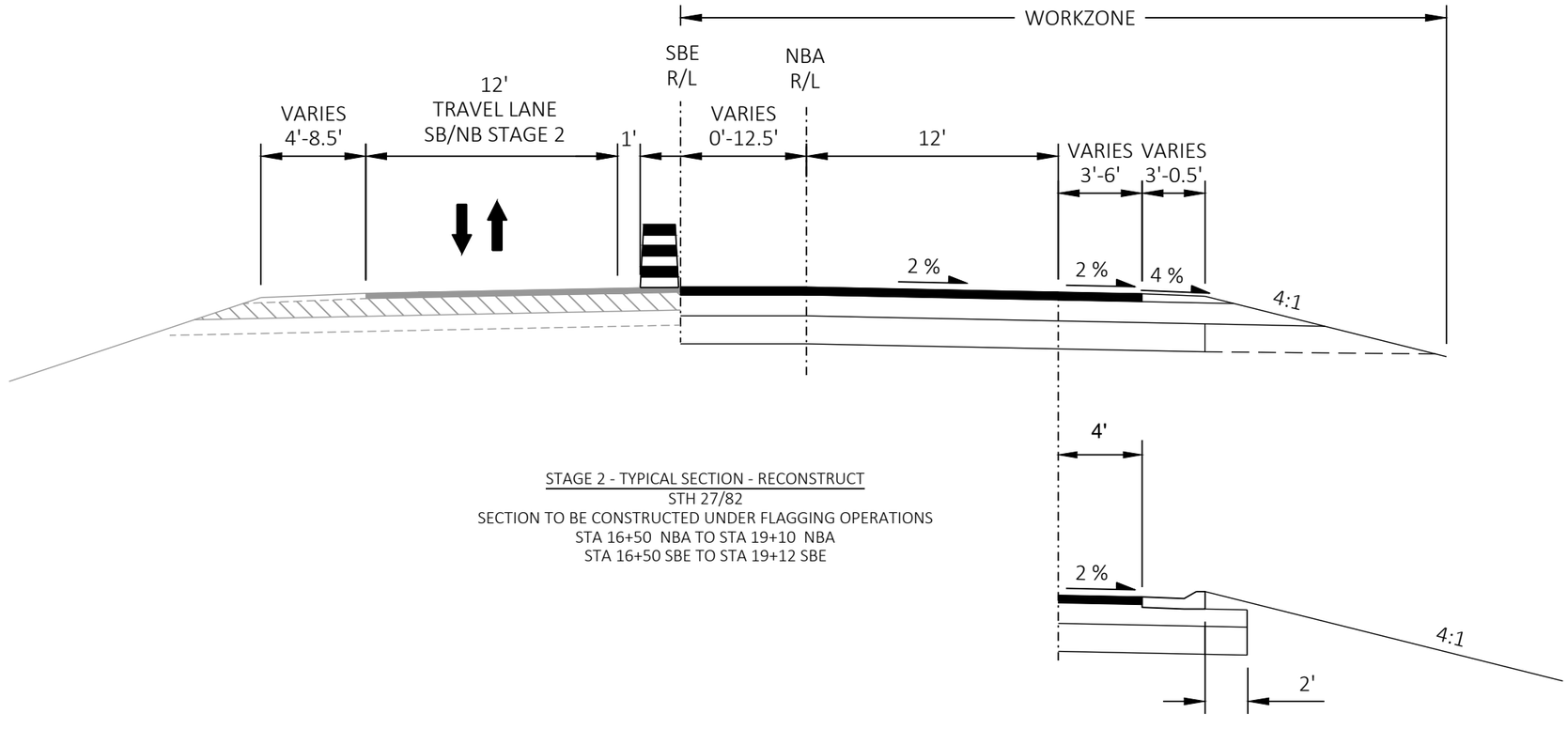
STAGE 2 - TYPICAL SECTION
USH 14/61
STA 101+47 1A TO STA 110+84 1A



STAGE 2 - TYPICAL SECTION
USH 14/61
STA 111+33 1A TO STA 125+69 1A

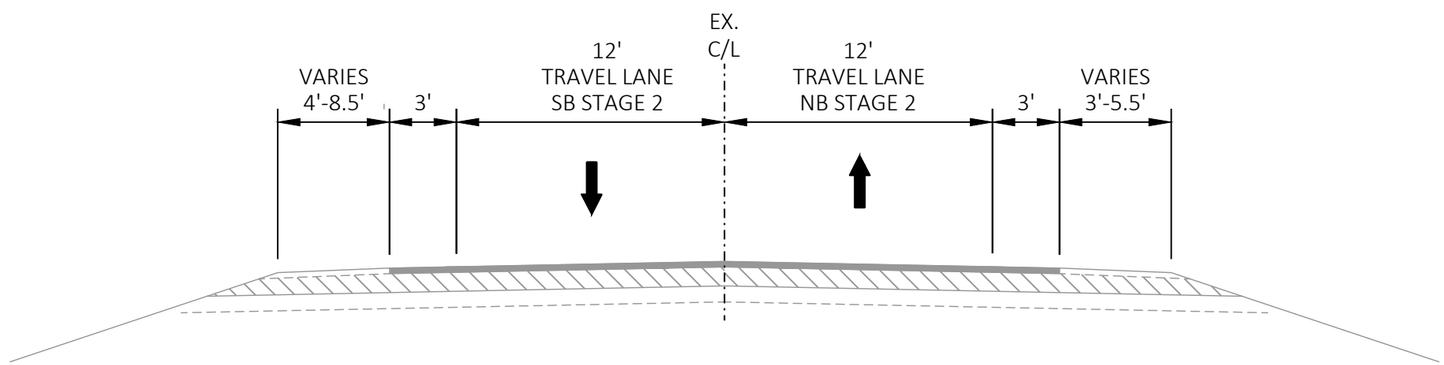
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 67	E

2



STAGE 2 - TYPICAL SECTION - RECONSTRUCT
STH 27/82
SECTION TO BE CONSTRUCTED UNDER FLAGGING OPERATIONS
STA 16+50 NBA TO STA 19+10 NBA
STA 16+50 SBE TO STA 19+12 SBE

CURB & GUTTER SECTION
STA 18+39 (NBA) TO STA 19+10 (NBA)



STAGE 2 - TYPICAL SECTION
STH 27/82
(STH 27 ROADWAY OUTSIDE OF RECONSTRUCT AREA)

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 68	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-02
PLOT DATE : 7/28/2022 10:13 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : Custom

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

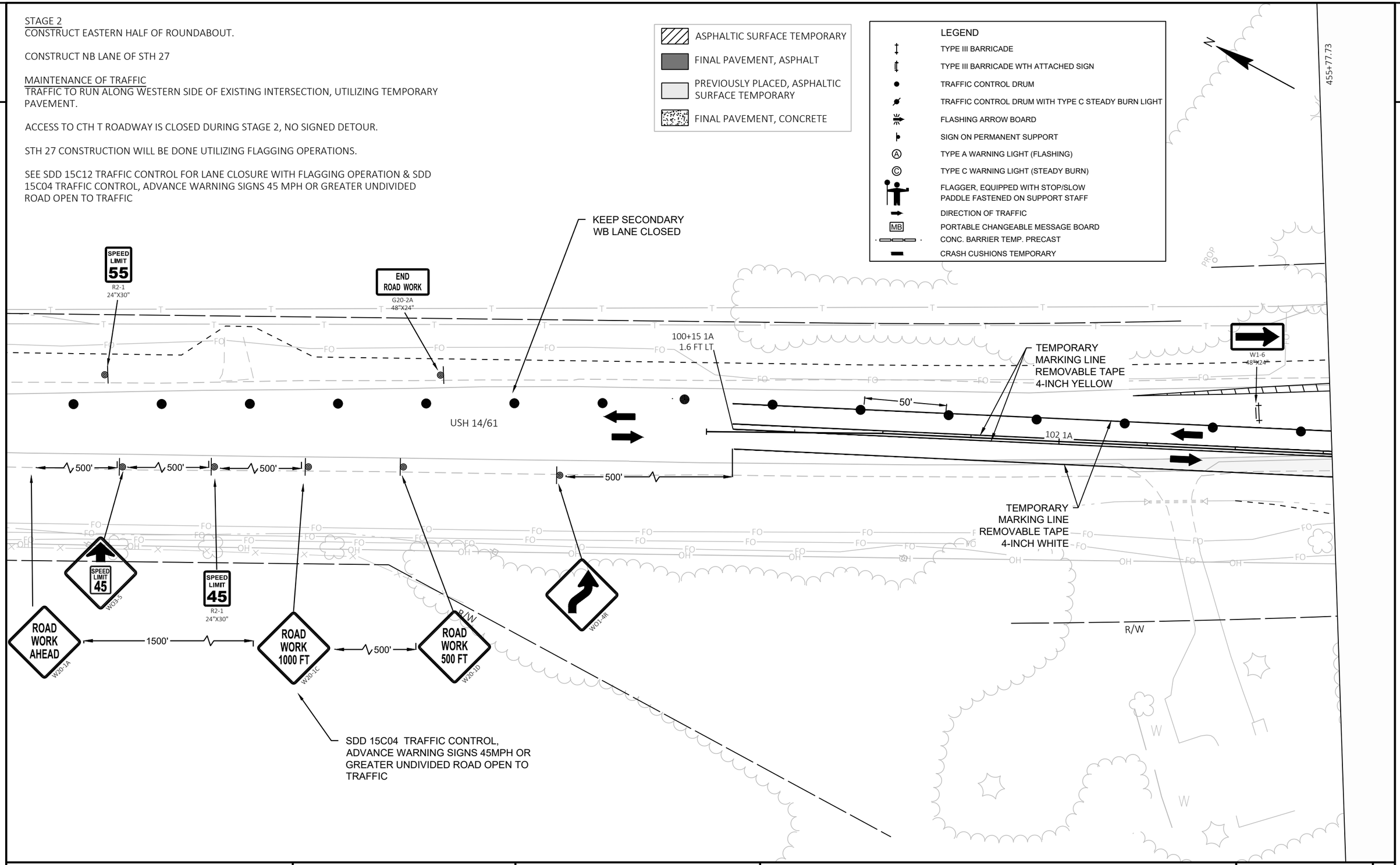
ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, ASPHALT
PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, CONCRETE

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 69	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025101_TC.DWG
LAYOUT NAME - 2-2
PLOT DATE : 7/28/2022 10:15 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

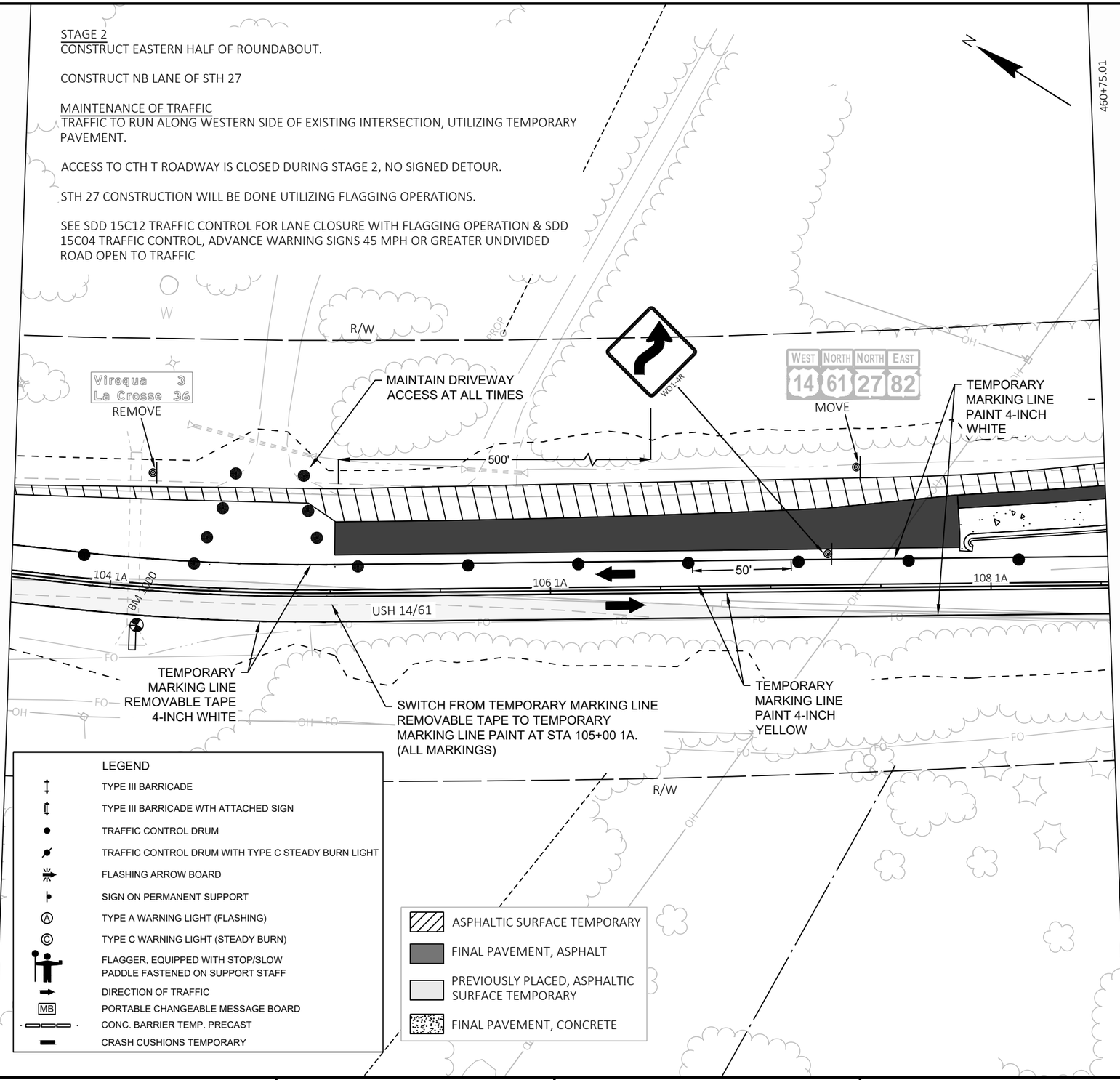
CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 70	E

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

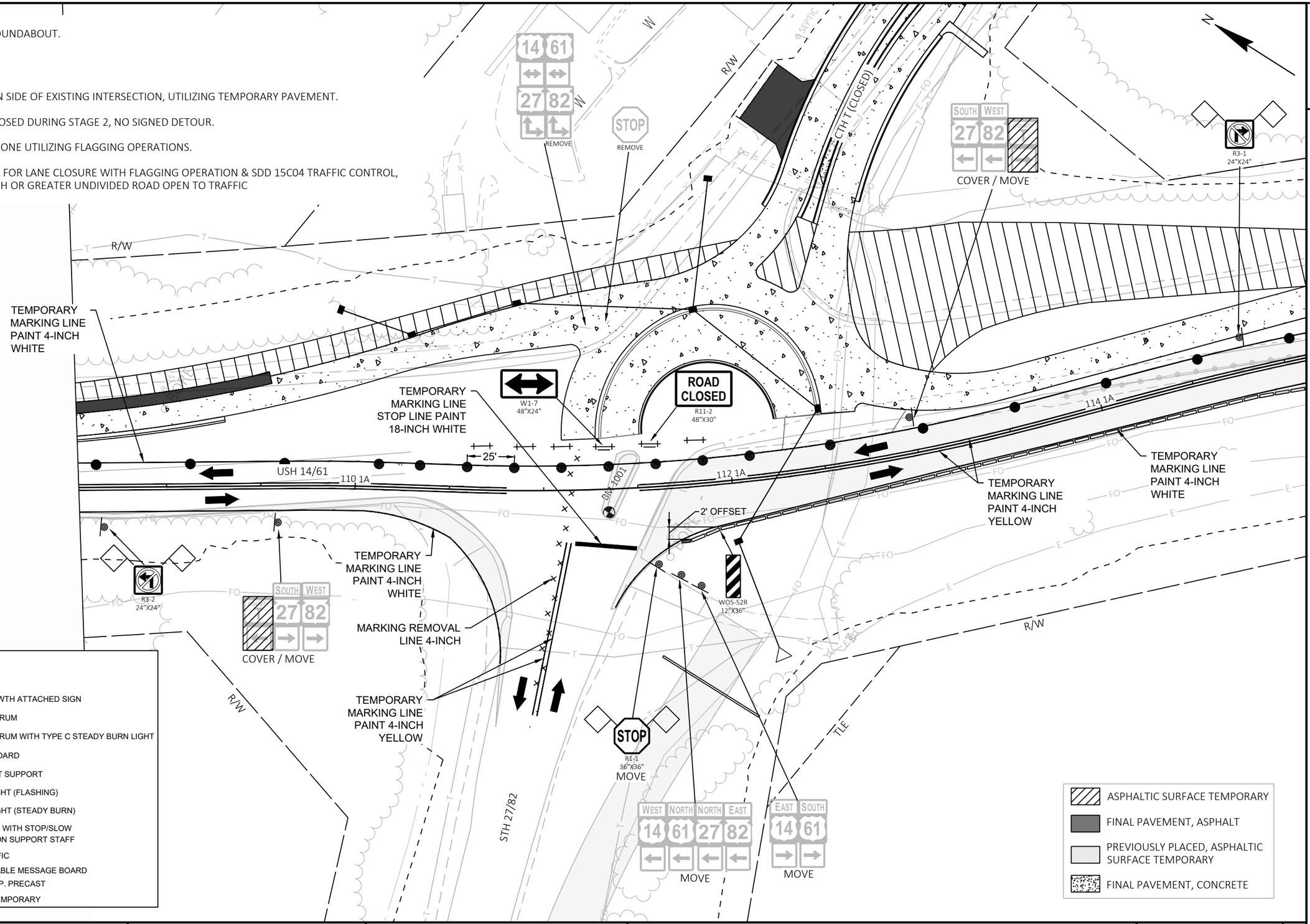
CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 71	E

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

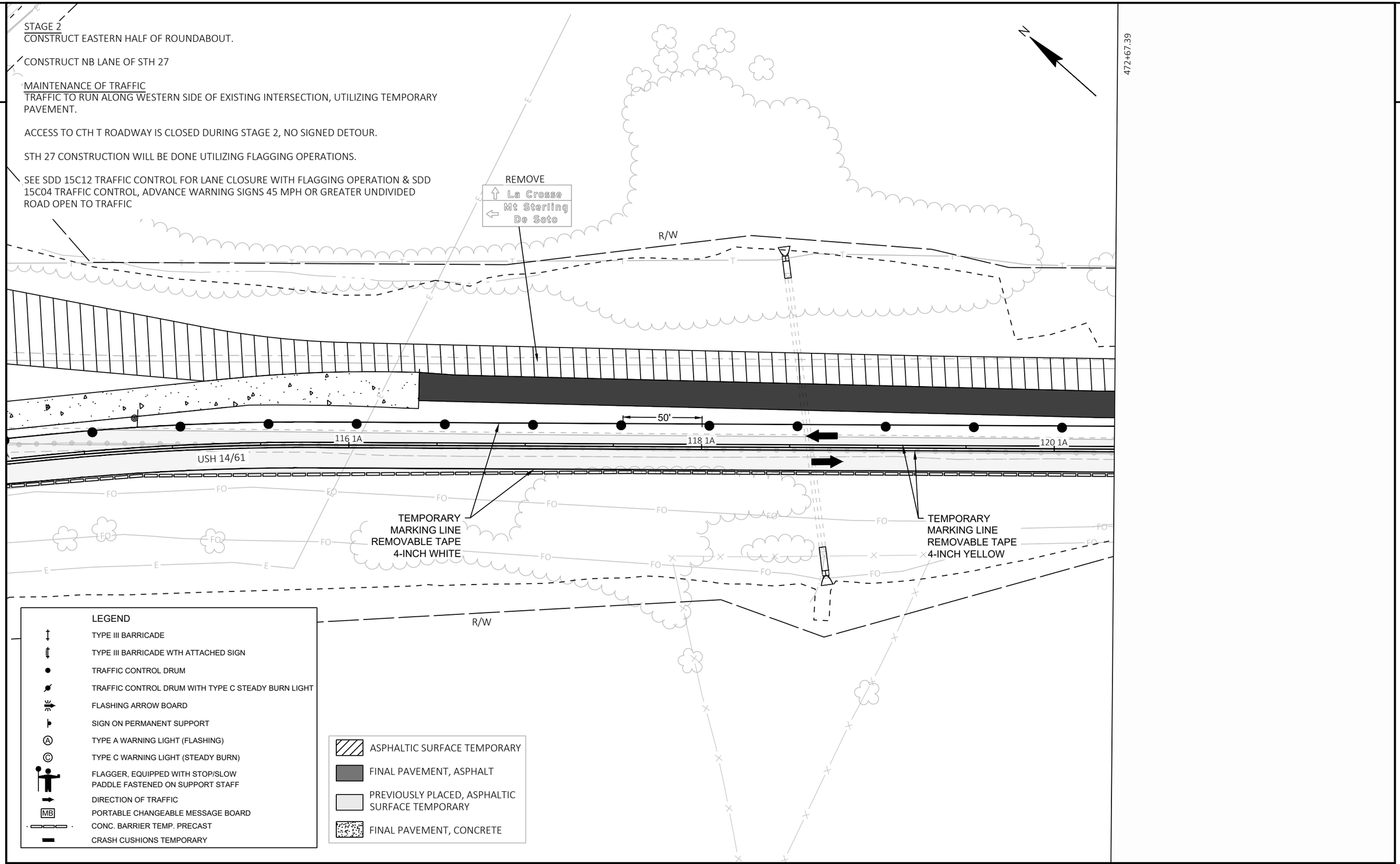
CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 72	E

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

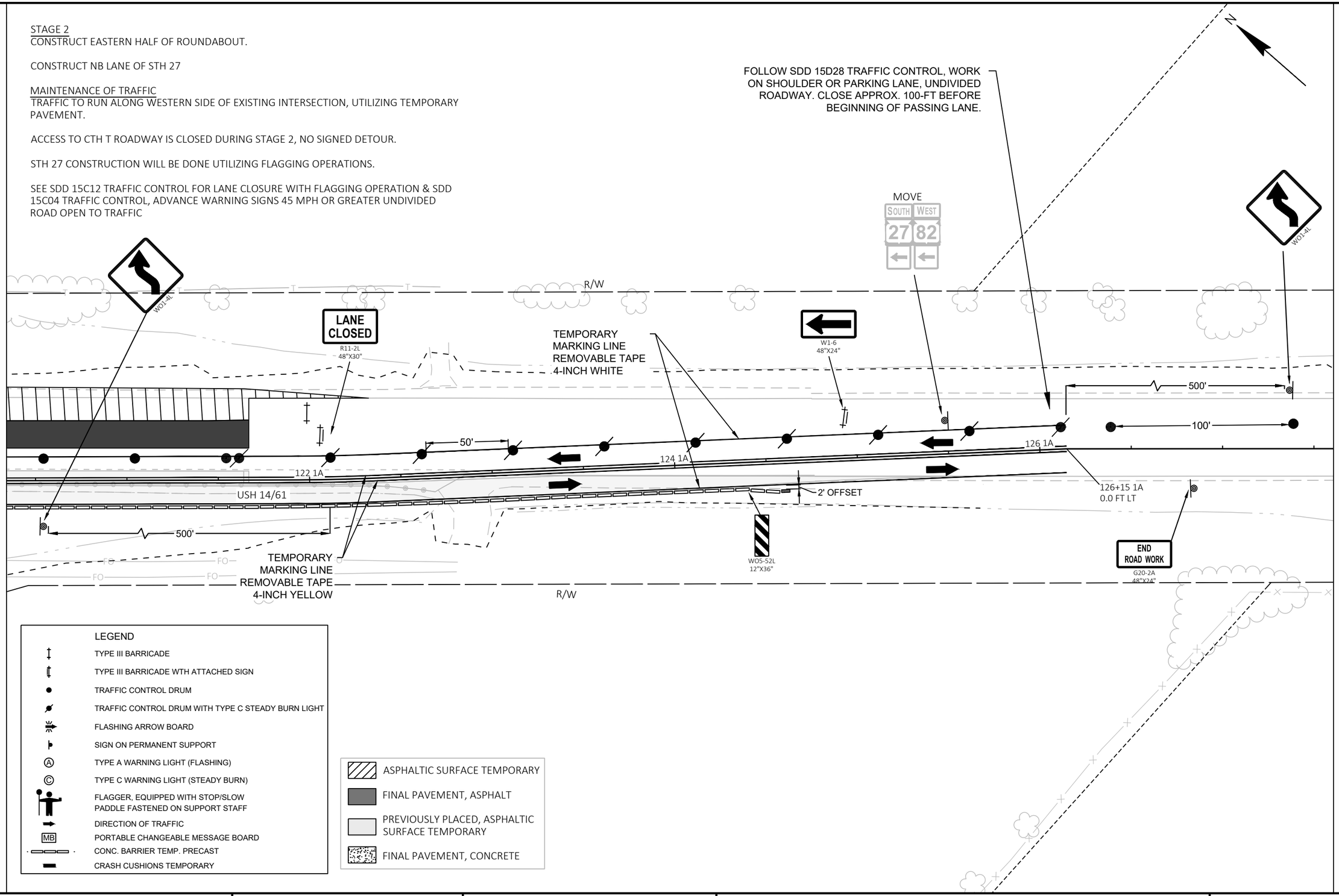
CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 73	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025101_TC.DWG
LAYOUT NAME - 2-6
PLOT DATE : 7/28/2022 10:16 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N

R/W

DAYTIME WORK DONE UNDER FLAGGING, ROADWAY TO BE FULLY OPEN TO 2-WAY TRAFFIC AT END OF EACH DAY.

STH 27/82

MATCH INTO EXISTING CENTERLINE MARKINGS

STOP
R1-1
36"X36"
MOVE

ROAD CLOSED
R11-2
48"X30"

COUNTY
REMOVE

SOUTH WEST
27 82
COVER / MOVE

Viroqua
La Crosse
Madison
REMOVE

FOLLOW SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC. INCLUDE TEMPORARY SPEED REDUCTION SIGNING. FOLLOW SDD 15C02 ADVANCED WIDTH RESTRICTION SIGNING.

WEST NORTH NORTH EAST
14 61 27 82
MOVE

EAST SOUTH
14 61
MOVE

ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, ASPHALT
PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, CONCRETE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 74	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025101_TC.DWG
LAYOUT NAME - 2-7
PLOT DATE : 7/28/2022 10:16 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

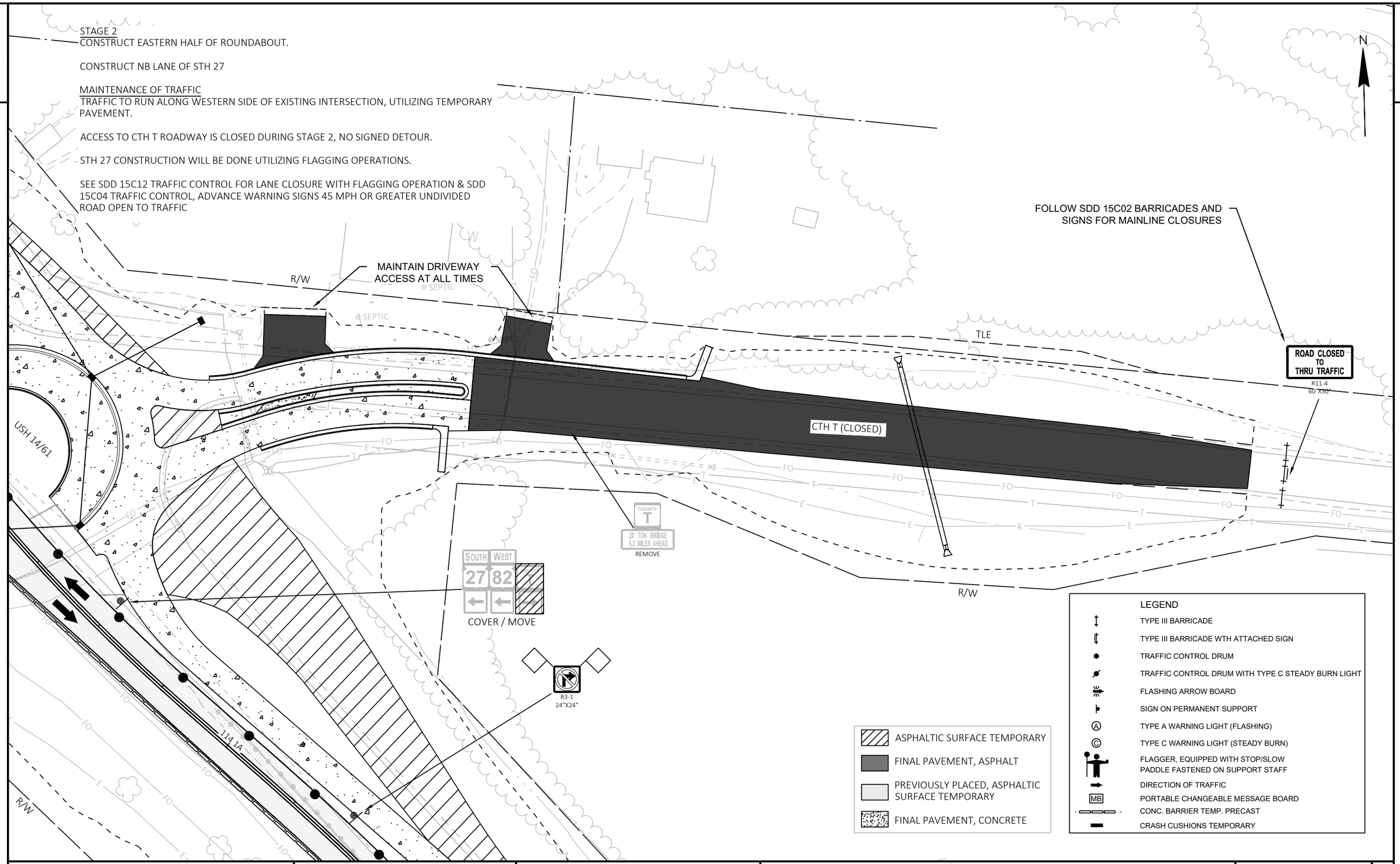
CONSTRUCT NB LANE OF STH 27

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXISTING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 2	SHEET 75	E

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT.

CONSTRUCT NB LANE OF STH 27.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG WESTERN SIDE OF EXITING INTERSECTION, UTILIZING TEMPORARY PAVEMENT.

ACCESS TO THE CTH T ROADWAY IS CLOSED DURING STAGE 2, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

N

USH 14/61

STH 27

CTH T (CLOSED)

SLOPE
INTERCEPT

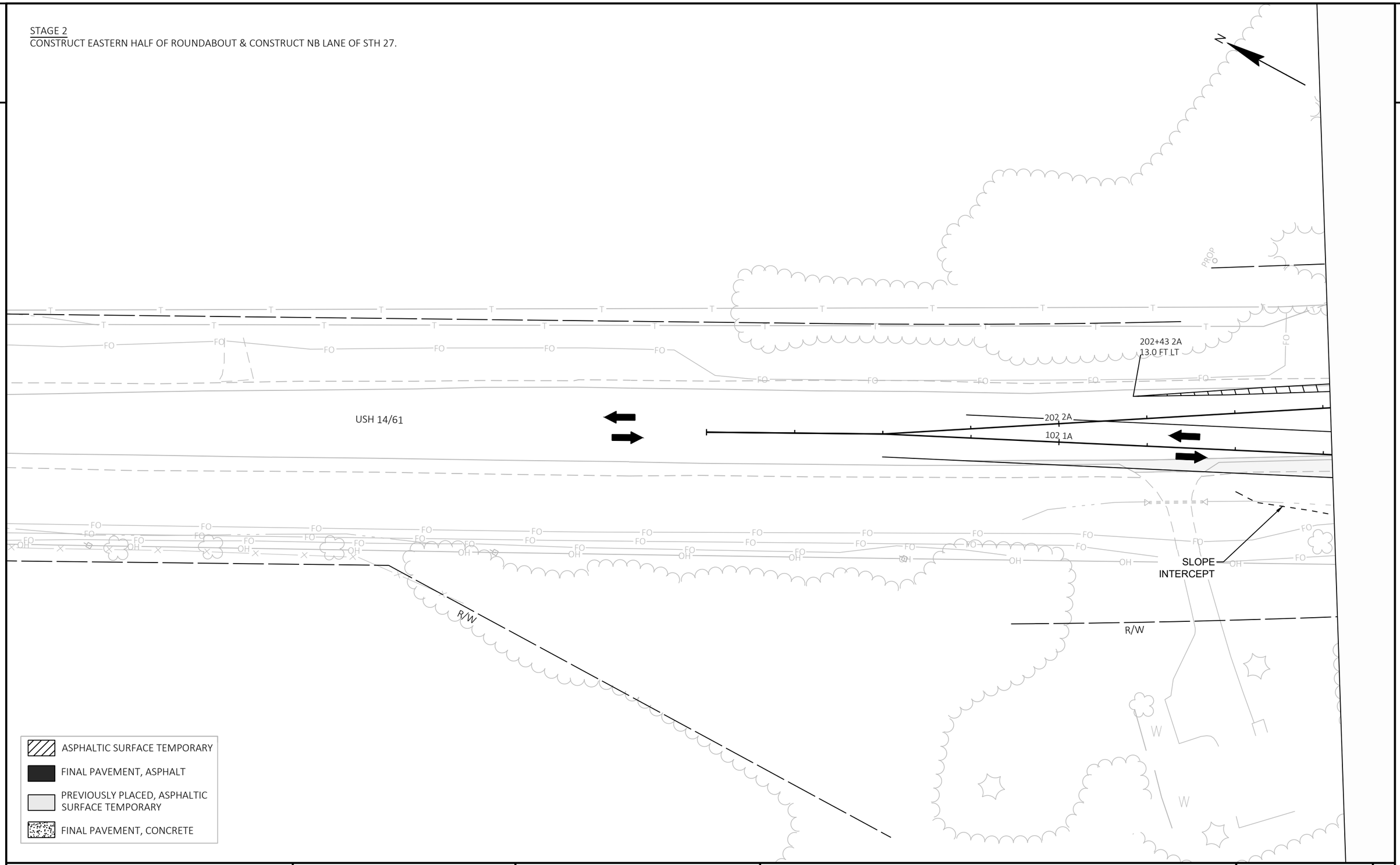
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2 OVERVIEW	SHEET 76	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-3

PLOT DATE : 7/28/2022 10:19 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.

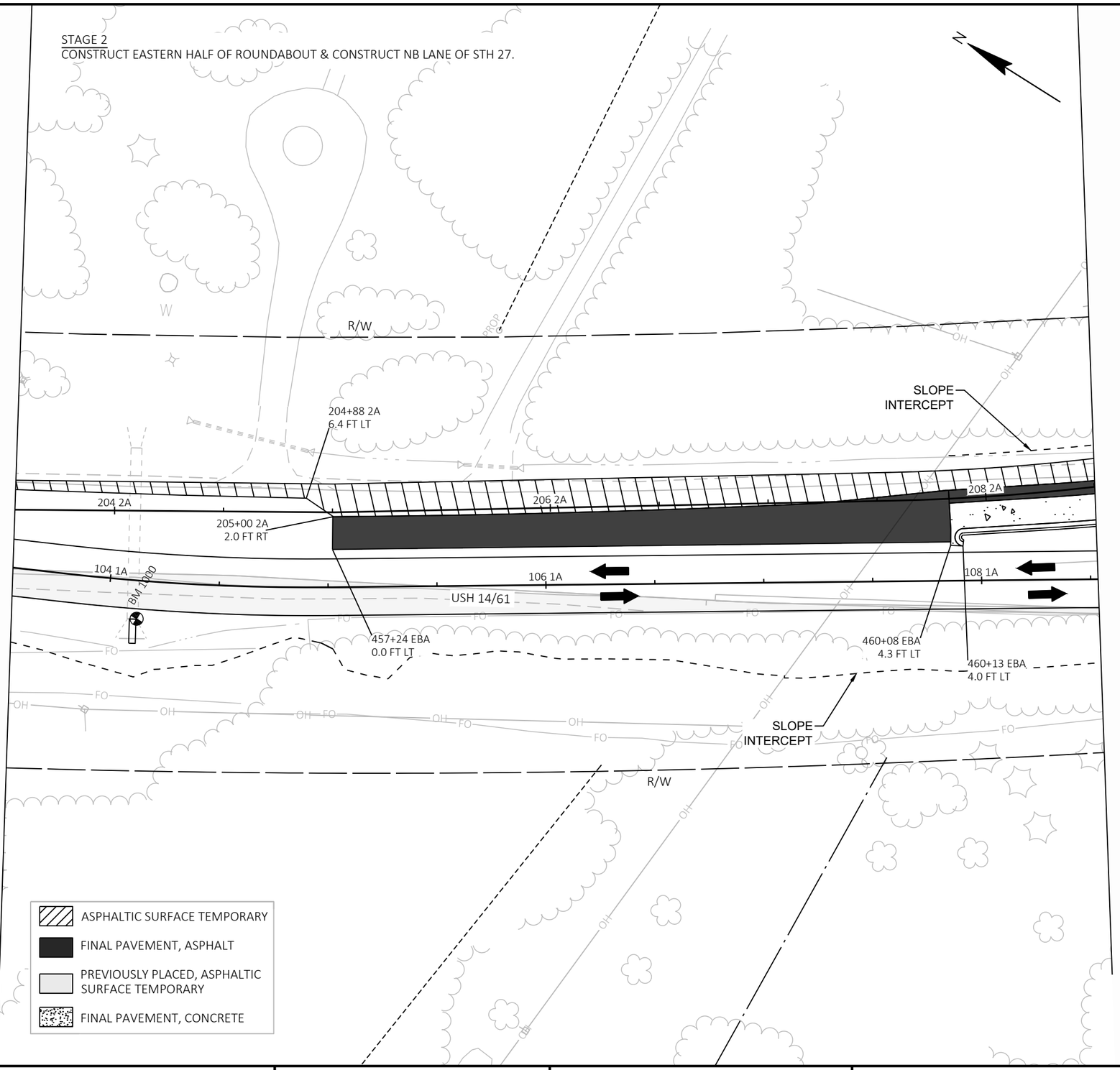


2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 77	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-4
PLOT DATE : 7/28/2022 10:19 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 78	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-5
PLOT DATE : 7/28/2022 10:19 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.

CONSTRUCT INLETS 3, 4, 5, 6, 7 & 8.
COVER PLATES TEMPORARY
REQUIRED FOR INLETS 6 & 7.
CONSTRUCT STORM SEWER
CONNECTION BETWEEN INLETS 2 & 3.

50+37 TWB
19.6 FT LT

50+41 TWB
0.0 FT LT

50+42 TWB
11.4 FT RT

50+58 TWB
27.8 FT RT

50+45 TWB
28.5 FT RT

213+28 2A
15.5 FT LT

215+06 2A
15.5 FT LT

211+45 2A
13.0 FT LT

212 2A

214 2A

213+40 2A
41.2 FT RT

461+81 EBA
42.3 FT LT

210 2A

461+81 EBA
35.9 FT LT

461+55 EBA
17.9 FT LT

463+29 EBA
9.9 FT LT

41+64 M1
0.0 FT LT

43+60 M1
25.4 FT LT

41+62 M1
24.8 FT LT

43+62 M1
0.0 FT LT

465+09 EBE
43.0 FT LT

310 1B

114 1A

213+10 2A
63.4 FT RT

110 1A

112 1A

BM 1007

R/W

CTH T (CLOSED)

CAUTION

USH 14/61

STH 27/82

308 1B

TLE

SLOPE
INTERCEPT

ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, ASPHALT
PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 79	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-6

PLOT DATE : 7/28/2022 10:19 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.

N

EXTEND EXISTING CULVERT
36" X 10' CPRC CLASS III REQ'D
1- 36" AECP REQ'D

SLOPE
INTERCEPT

R/W

215+06 2A
15.5 FT LT

14 2A

216 2A

218 2A

219+20 2A
15.5 FT LT

220 2A

USH 14/61

116 1A

118 1A

120 1A

215+12 2A
14.5 FT RT

FO

E

R/W

ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, ASPHALT

PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, CONCRETE

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 80	E

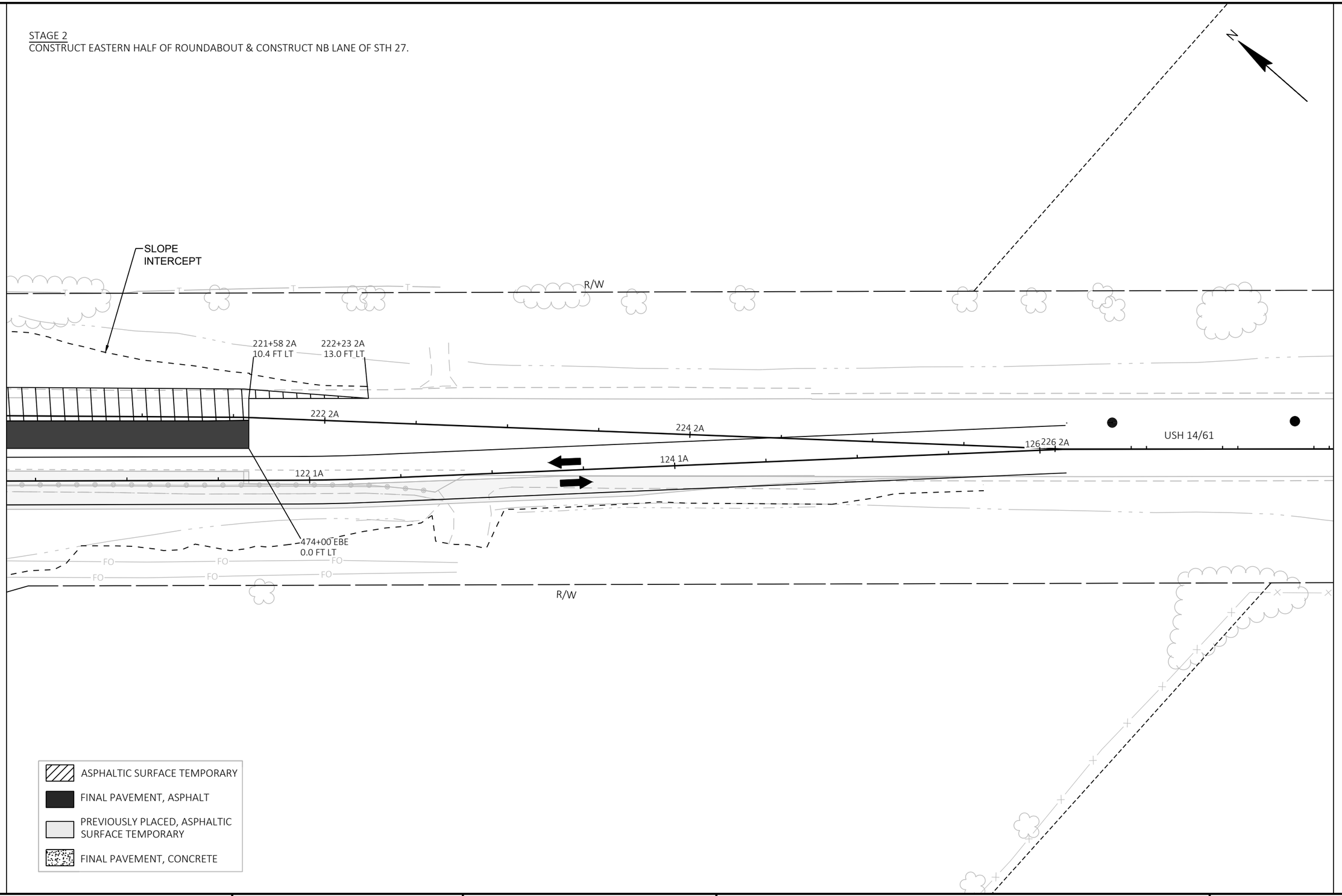
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-7

PLOT DATE : 7/28/2022 10:19 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 81	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-8
PLOT DATE : 7/28/2022 10:19 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS. ONLY PAVE LOWER LAYER OF PAVEMENT ON STH 27, STA 16+50 NBA - STA 19+10 NBA. UPPER LAYER TO BE DONE IN STAGE 5.

N

R/W

ONLY PAVE LOWER LAYER OF STH 27/82.

STH 27

19+10 NBA
12.5 FT LT

304 1B

306 1B

308 1B

16+50 NBA
0.0 FT LT

16+50 NBA
15.0 FT LT

EXTEND EXISTING CULVERT
24" X 29' CPRC REQ'D
1- 24" AECP REQ'D

EXTEND EXISTING CULVERT
72" X 6' CPRC CLASS III REQ'D
1- 72" AECP REQ'D

SLOPE
INTERCEPT

TLE

RW

461+81 EBA
35.9 FT LT

463+29 EBA
9.9 FT LT

DM 1001

110 1A

112 1A

210 2A

B-44
BORE

ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, ASPHALT

PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 82	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-9

PLOT DATE : 7/28/2022 10:19 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 2
CONSTRUCT EASTERN HALF OF ROUNDABOUT & CONSTRUCT NB LANE OF STH 27.

N

CONSTRUCT CONCRETE DRIVEWAY 8-INCH AND DRIVEWAY CURB FOR LEFT-TURN INTO PROPERTY

FENCE SAFETY REQ'D TO PROTECT SEPTIC AREA

CONSTRUCT CONCRETE SURFACE DRAIN

211+45 2A
13.0 FT LT

50+37 TWB
19.6 FT LT

R/W

50+41 TWB
0.0 FT LT

SEPTIC

TLE

CTH T (CLOSED)

915

M1
LT

3+60 M1
5.4 FT LT

50+42 TWB
11.4 FT RT

50+58 TWB
27.8 FT RT

50+45 TWB
28.5 FT RT

905

43+62 M1
0.0 FT LT

213+28 2A
15.5 FT LT

CONSTRUCT CONCRETE SURFACE DRAIN

465+09 EBE
43.0 FT LT

310 1B

213+40 2A
41.2 FT RT

214 2A

SLOPE INTERCEPT

CONSTRUCT PROPOSED CULVERT
24" X 105' CPRC CLASS III REQ'D
2- 24" AECP REQ'D

213+10 2A
63.4 FT RT

114 1A

215+06 2A
15.5 FT LT

R/W

R/W

ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, ASPHALT
PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 2	SHEET 83	E

FILE NAME : M:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S2.DWG
LAYOUT NAME - 2-10
PLOT DATE : 9/24/2022 8:11 AM
PLOT BY : DEAN STODOLA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

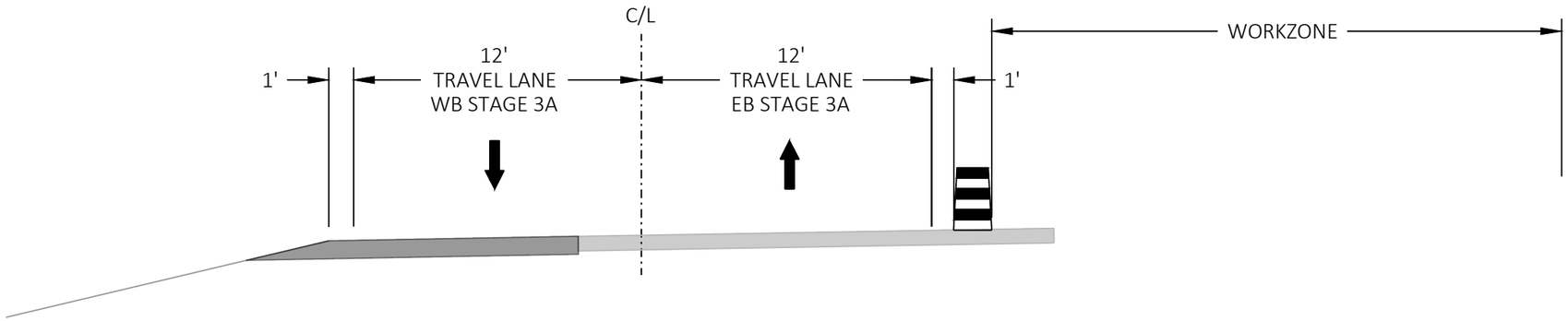
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

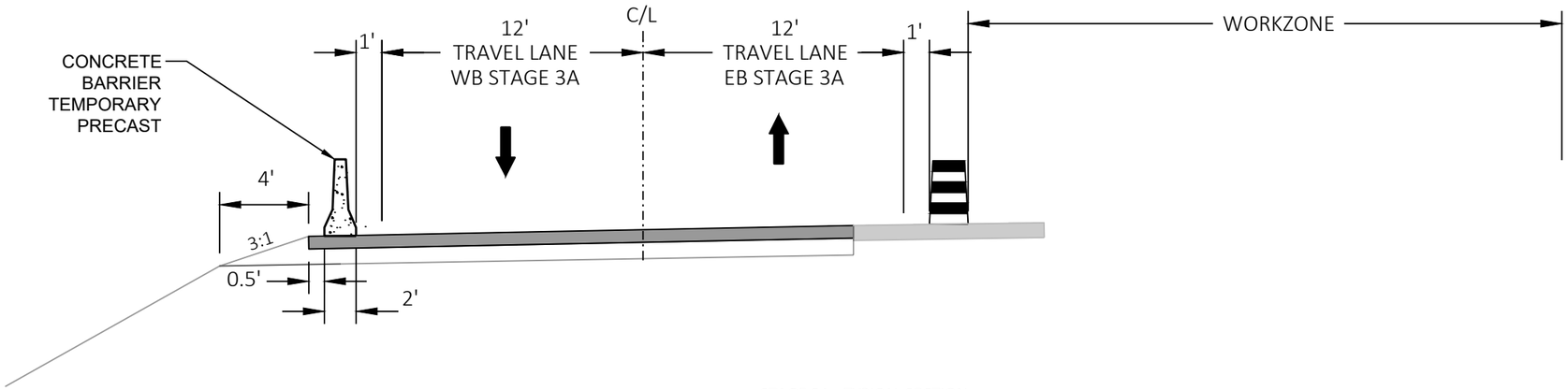
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A OVERVIEW	SHEET 84	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025102A_TC.DWG
LAYOUT NAME - 3-0
PLOT DATE : 8/1/2022 9:18 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



STAGE 3A - TYPICAL SECTION
USH 14/61
STA 201+00 2A TO STA 212+50 2A



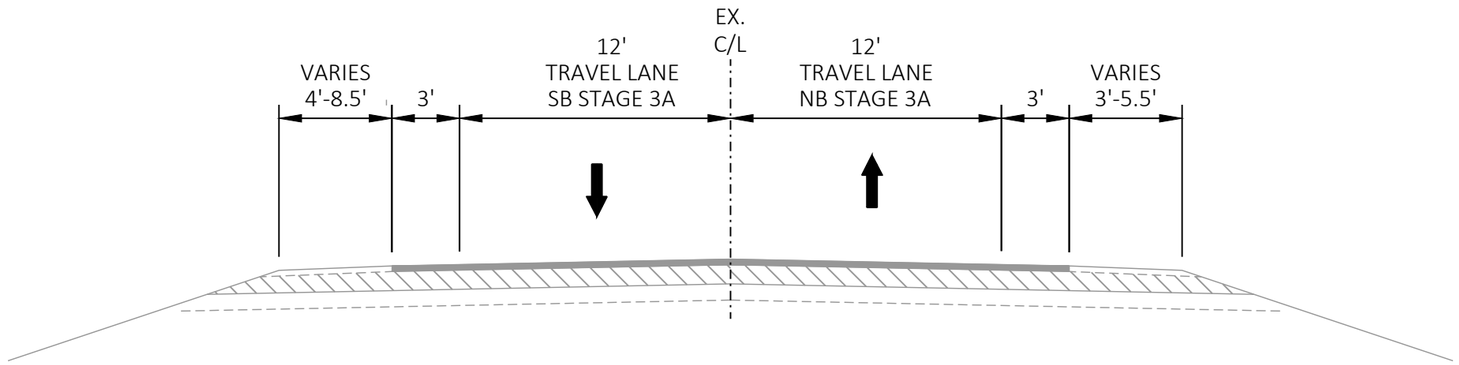
STAGE 3A - TYPICAL SECTION
USH 14/61
STA 212+50 2A TO STA 222+00 2A

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3A	SHEET 85	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3A.DWG
LAYOUT NAME - 3-01A_B

PLOT DATE : 8/1/2022 9:20 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : Custom

2



STAGE 3A - TYPICAL SECTION -STH 27
TRAFFIC TO USE EXISTING STH 27 PAVEMENT AND PARTIAL SECTION
OF RECONSTRUCTED STH 27 DONE PREVIOUSLY IN STAGE 2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3A	SHEET 86	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3A.DWG
LAYOUT NAME - 3-02A

PLOT DATE : 8/1/2022 9:20 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : Custom

2

STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

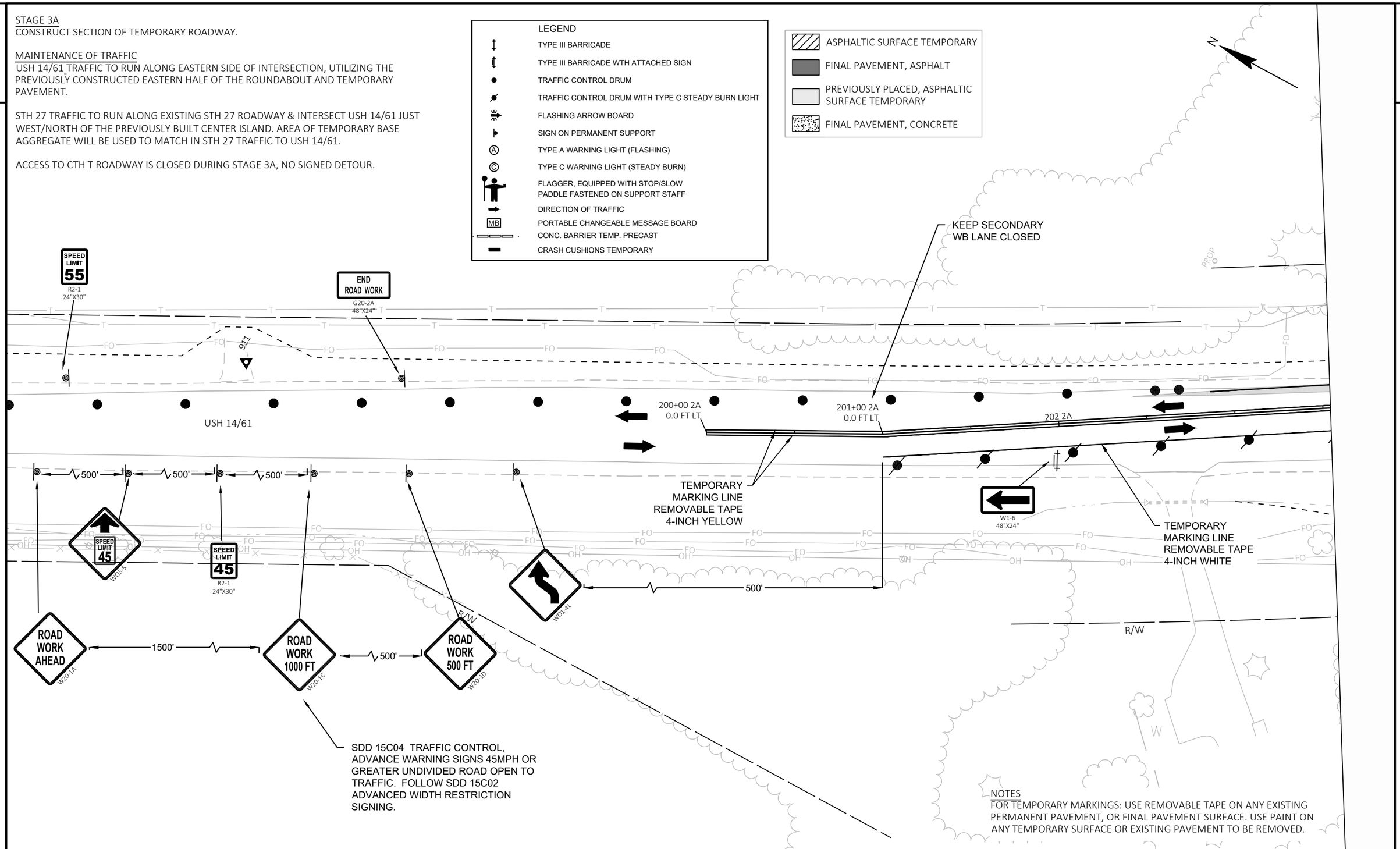
MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE



NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 87	E

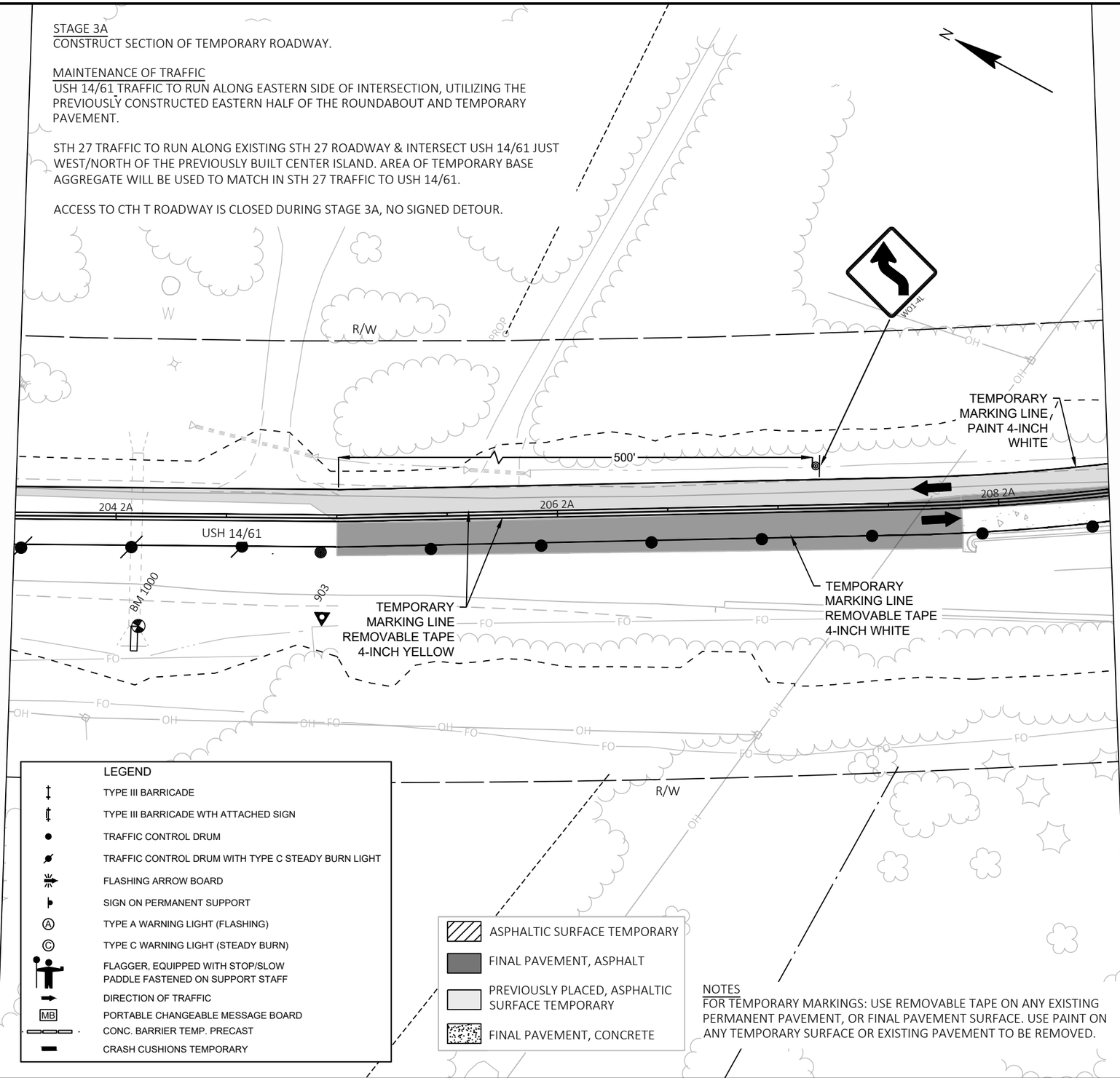
2

STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 88	E

2

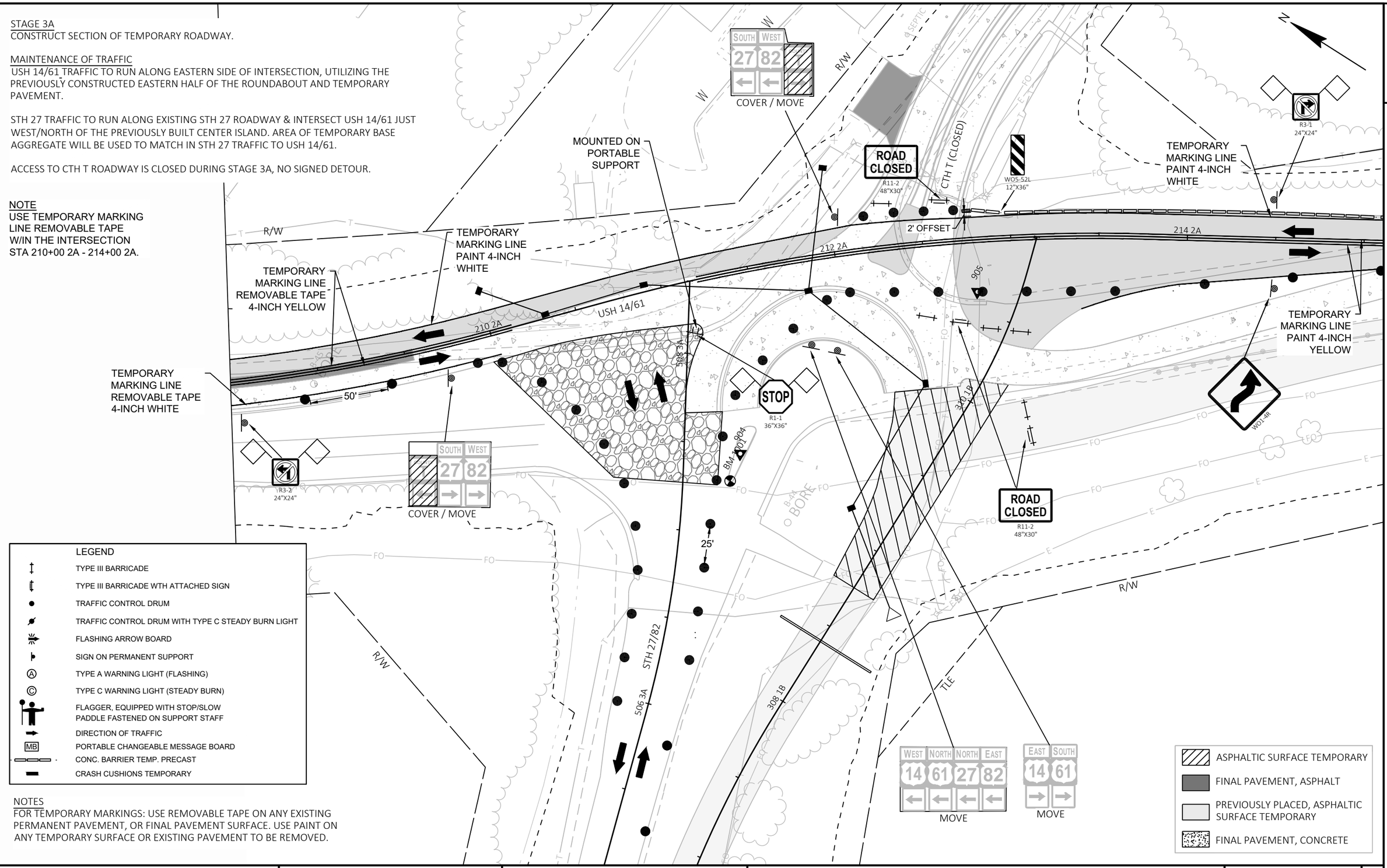
STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.

NOTE
USE TEMPORARY MARKING LINE REMOVABLE TAPE W/IN THE INTERSECTION STA 210+00 2A - 214+00 2A.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 89	E

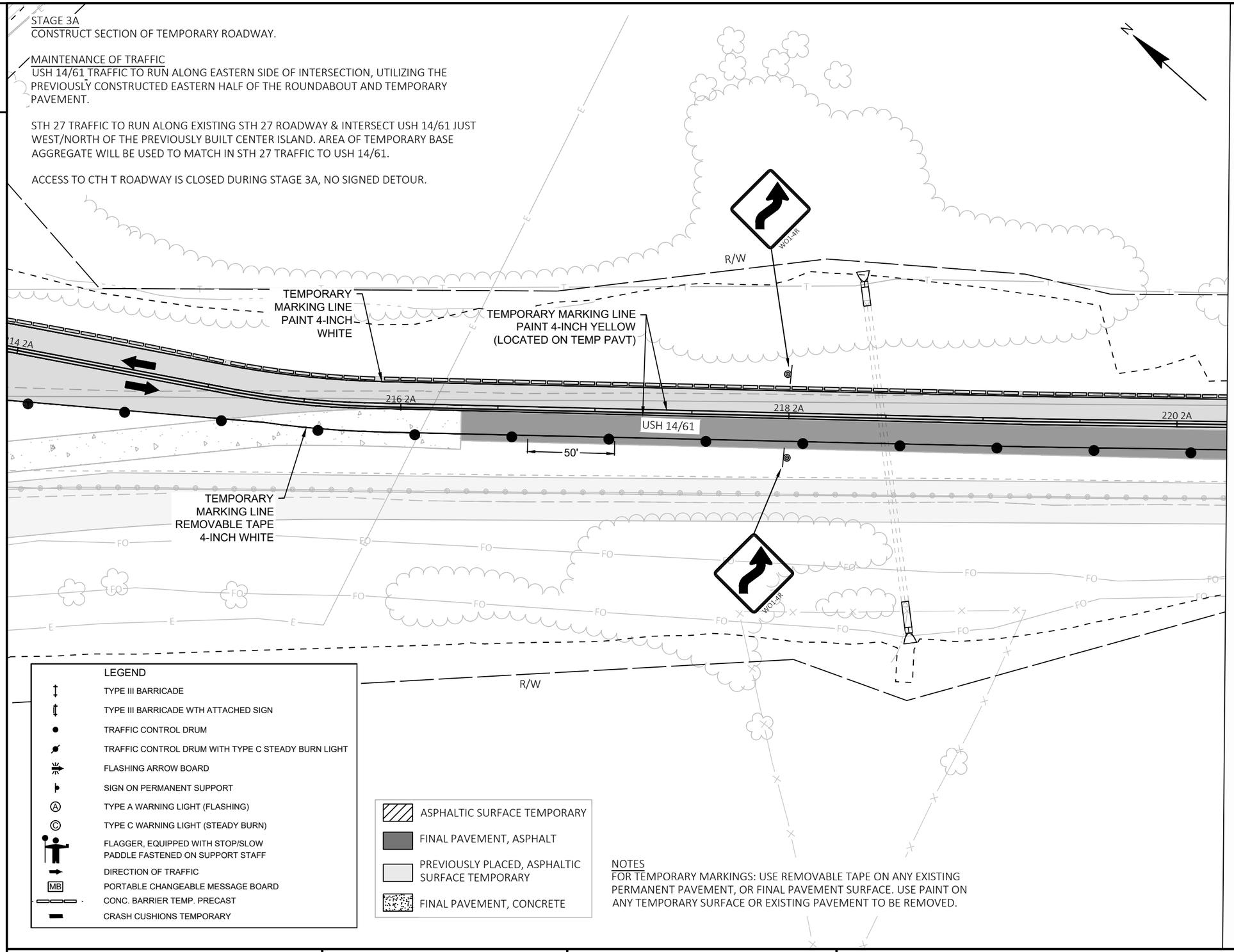
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STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 90	E

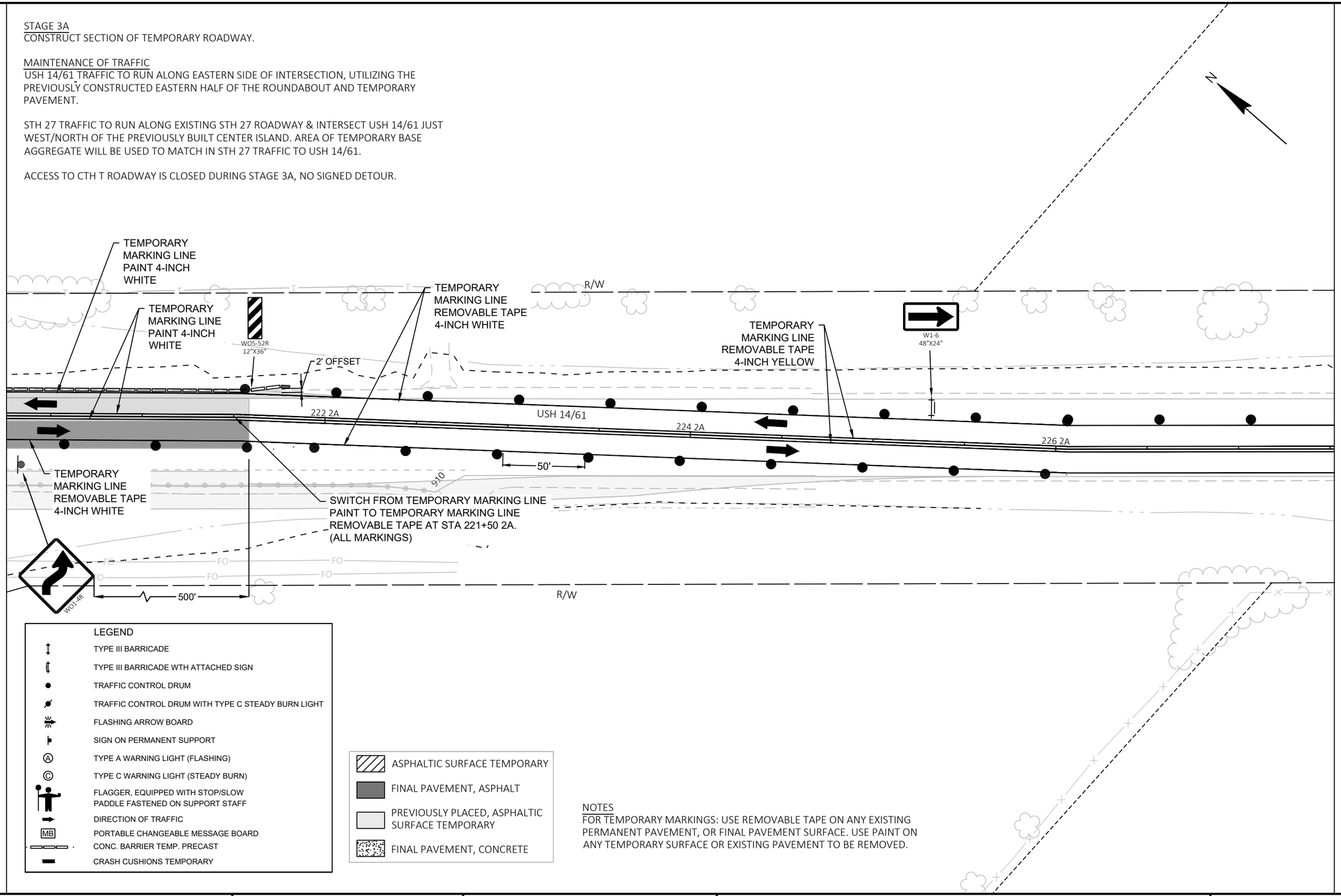
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STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 91	E

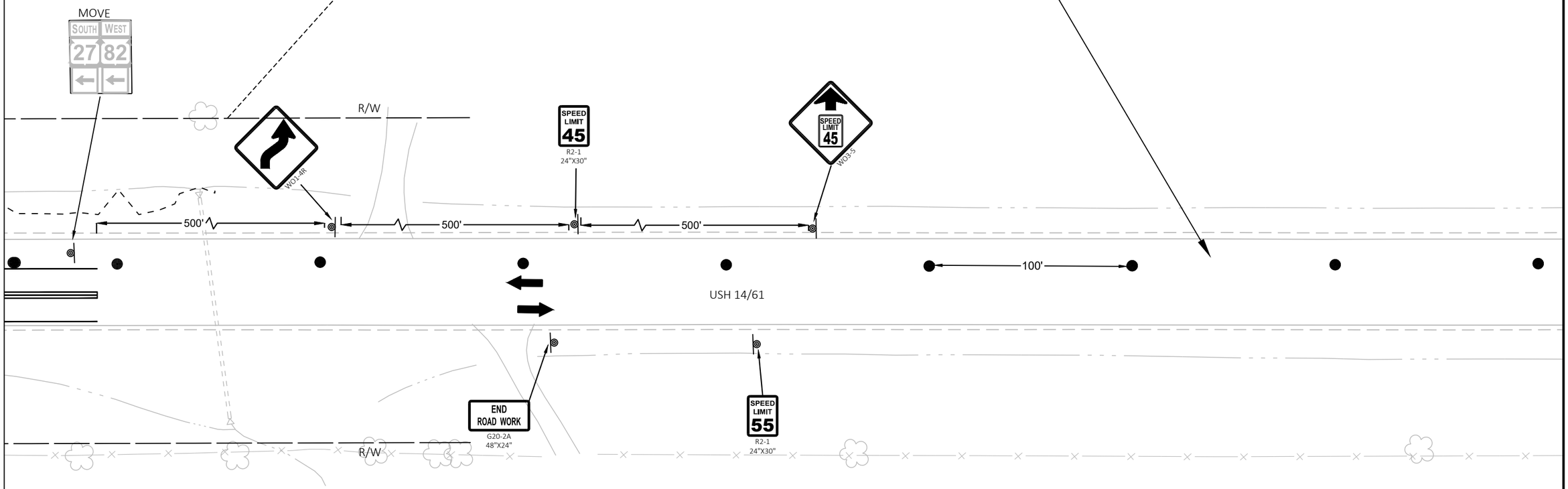
STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.

FOLLOW SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY. CLOSE APPROX. 100-FT BEFORE BEGINNING OF PASSING LANE.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

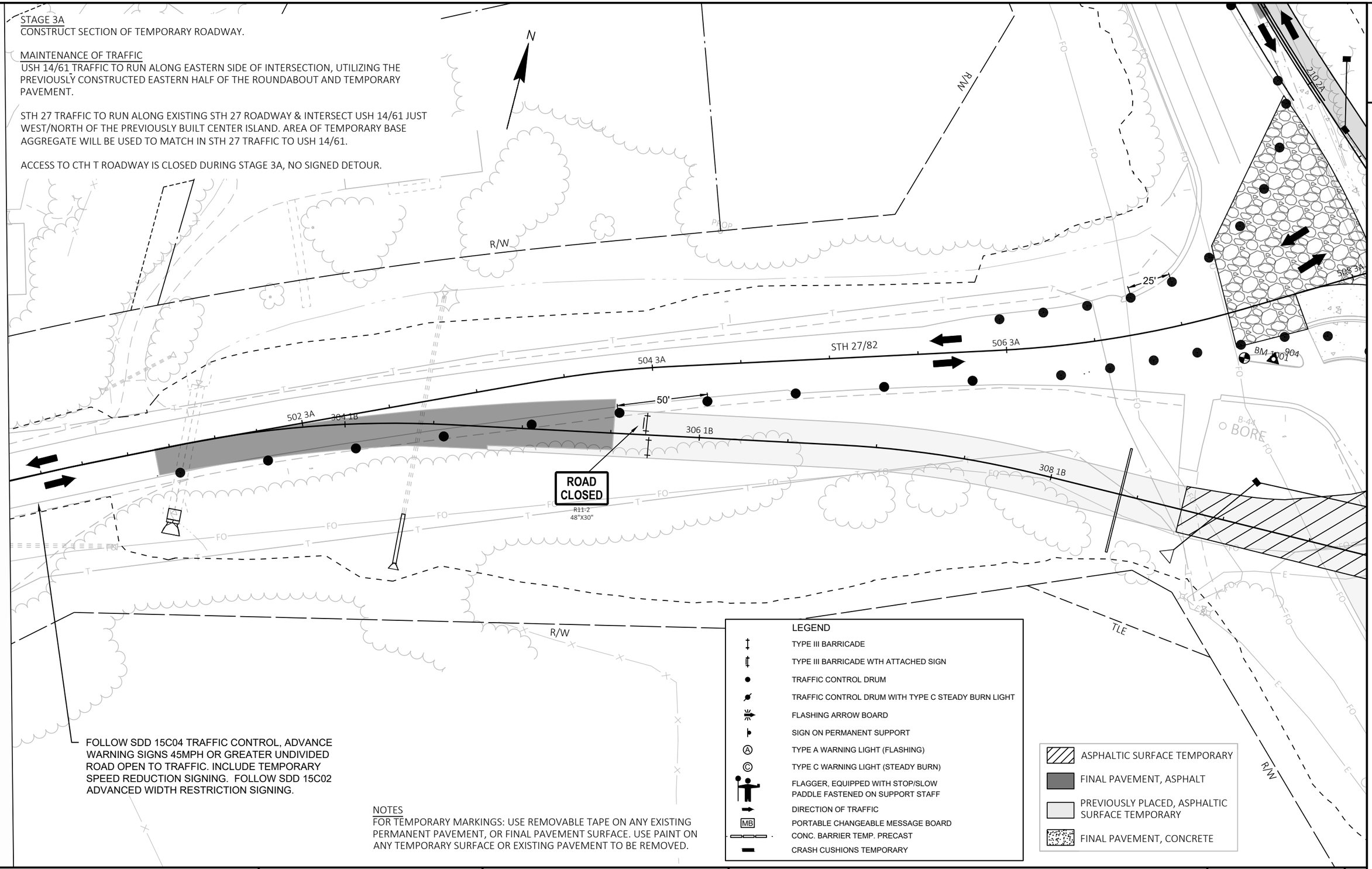
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 92	E

STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.



FOLLOW SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC. INCLUDE TEMPORARY SPEED REDUCTION SIGNING. FOLLOW SDD 15C02 ADVANCED WIDTH RESTRICTION SIGNING.

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- Ⓐ TYPE A WARNING LIGHT (FLASHING)
- Ⓒ TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 93	E

2

STAGE 3A
CONSTRUCT SECTION OF TEMPORARY ROADWAY.

MAINTENANCE OF TRAFFIC
USH 14/61 TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 TRAFFIC TO RUN ALONG EXISTING STH 27 ROADWAY & INTERSECT USH 14/61 JUST WEST/NORTH OF THE PREVIOUSLY BUILT CENTER ISLAND. AREA OF TEMPORARY BASE AGGREGATE WILL BE USED TO MATCH IN STH 27 TRAFFIC TO USH 14/61.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3A, NO SIGNED DETOUR.

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

N

FOLLOW SDD 15C02 BARRICADES AND SIGNS FOR MAINLINE CLOSURES

SOUTH WEST 27 82
COVER / MOVE

MAINTAIN DRIVEWAY ACCESS AT ALL TIMES

R/W

SEPTIC

TLE

ROAD CLOSED
R11-2
48"X30"

CTH T (CLOSED)

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

915

905

310 1B

214 2A

R3-1
24"X24"

ROAD CLOSED
R11-2
48"X30"

USH 14/61

W01-4R

R/W

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3A	SHEET 94	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025102A_TC.DWG
LAYOUT NAME - 3-8
PLOT DATE : 8/1/2022 9:22 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

STAGE 3B
CONSTRUCT SOUTHBOUND LANE OF STH 27 & THE EASTBOUND LANE OF THE NORTH LEG OF USH 14.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

USH 14/61

BM 1000

BM 1001

CTH T (CLOSED)

TRUCK TRAFFIC TO USE THE PREVIOUSLY CONSTRUCTED TRUCK APRON TO COMPLETE TURNING MOVEMENTS AT TEMPORARY INTERSECTION

CONSTRUCT SB LANE OF STH 27 UNDER FLAGGING

STH 27/82

USH 14/61

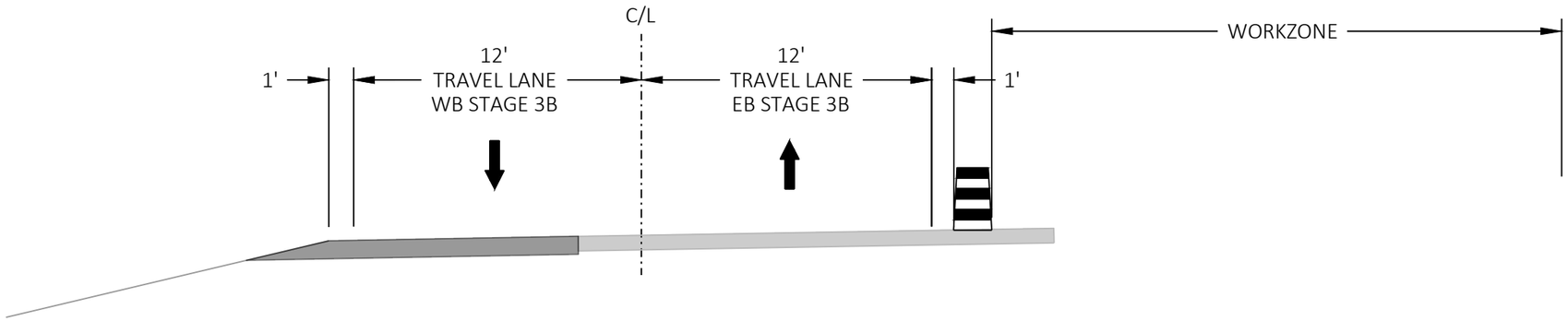
- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3B OVERVIEW	SHEET 95	E

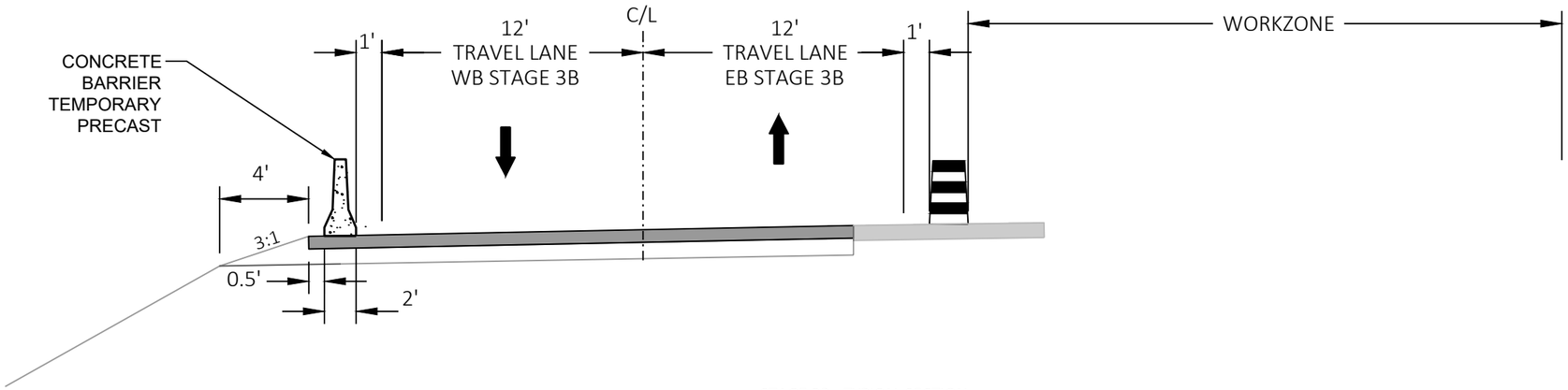
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LAYOUT NAME - 3-0

PLOT DATE : 7/28/2022 10:26 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



STAGE 3B - TYPICAL SECTION
USH 14/61
STA 201+00 2A TO STA 212+50 2A



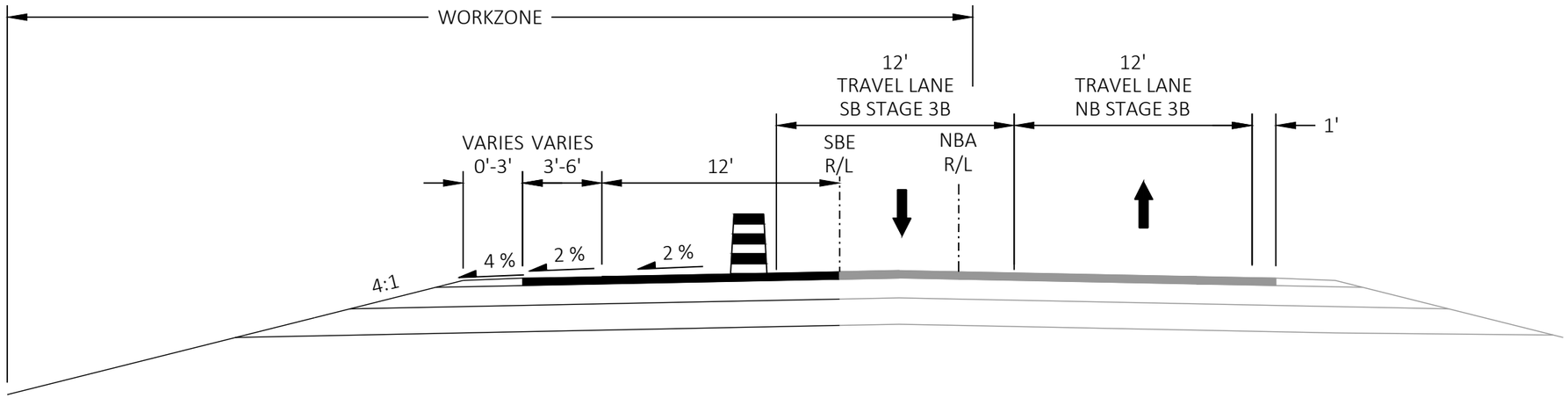
STAGE 3B - TYPICAL SECTION
USH 14/61
STA 212+50 2A TO STA 222+00 2A

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3B	SHEET 96	E

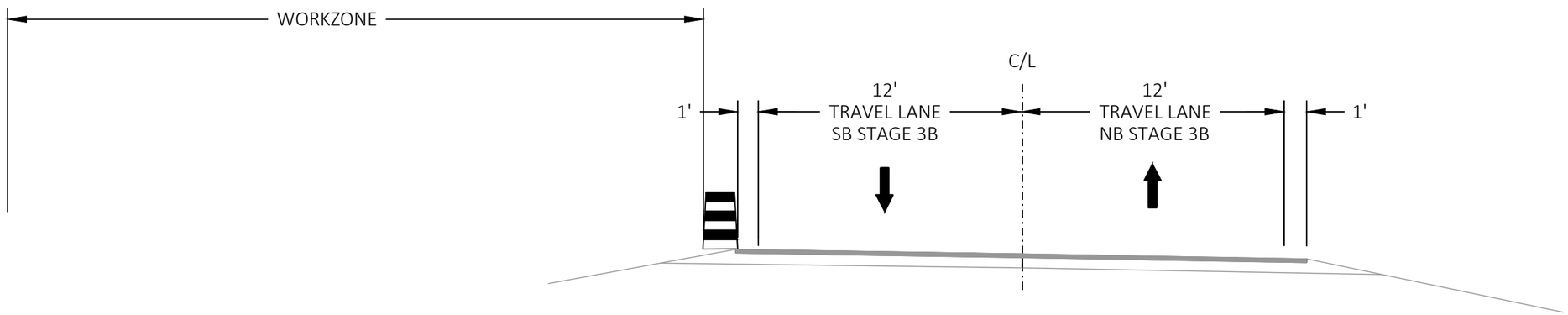
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LAYOUT NAME - 3-01A_B

PLOT DATE : 7/28/2022 10:28 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : Custom

2



STAGE 3B - TYPICAL SECTION - RECONSTRUCT
STH 27
SECTION TO BE CONSTRUCTED UNDER FLAGGING OPERATIONS
STA 16+50 NBA TO STA 19+10 NBA
STA 16+50 SBE TO STA 19+12 SBE
(STA 302+31 1B - STA 304+91 1B)



STAGE 3B - TYPICAL SECTION
STH 27
STA 304+91 1B TO STA 309+53 1B

2

STAGE 3B
CONSTRUCT SOUTHBOUND LANE OF STH 27 & THE EASTBOUND LANE OF THE NORTH LEG OF USH 14.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

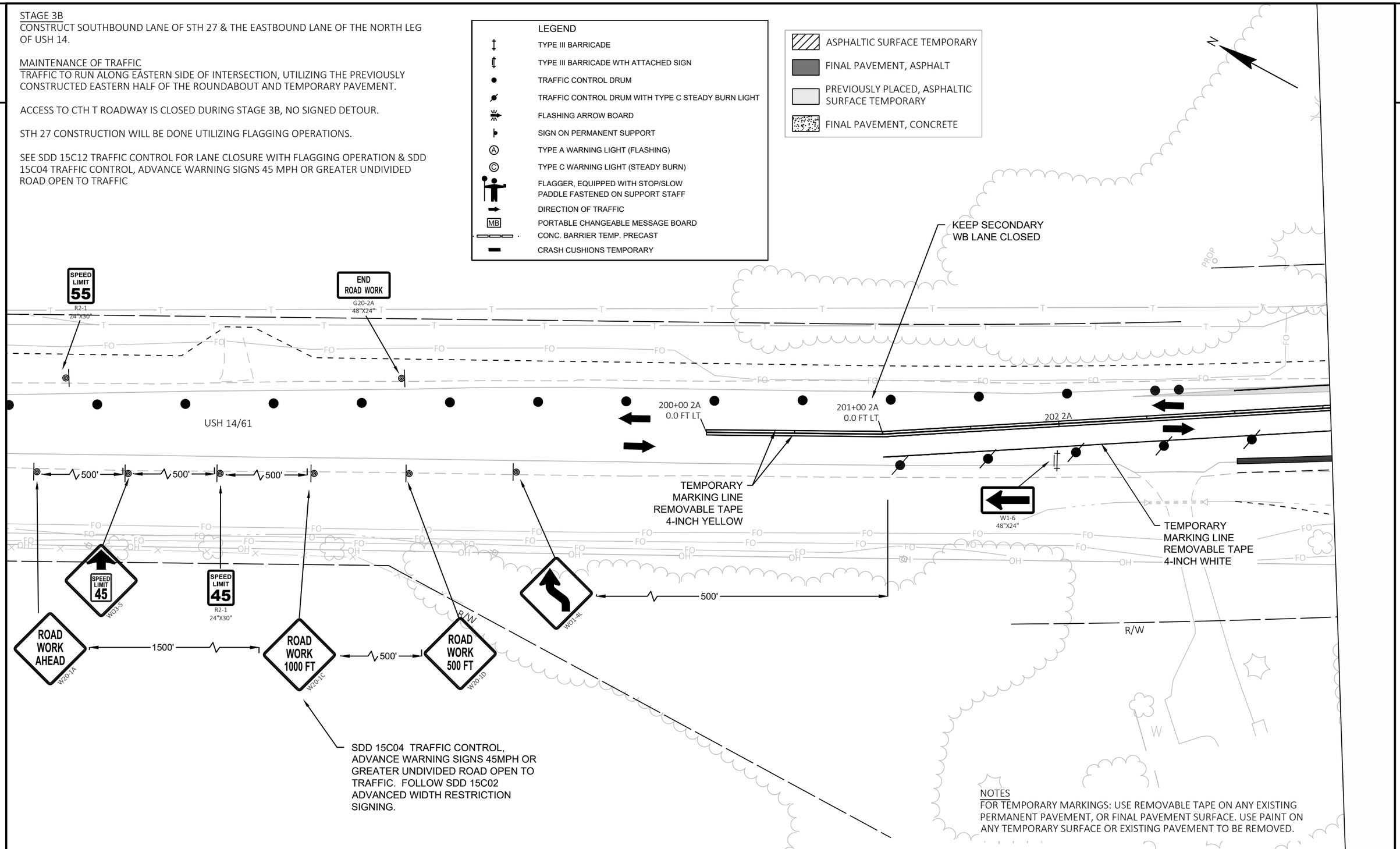
ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH 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
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE



NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3B	SHEET 98	E

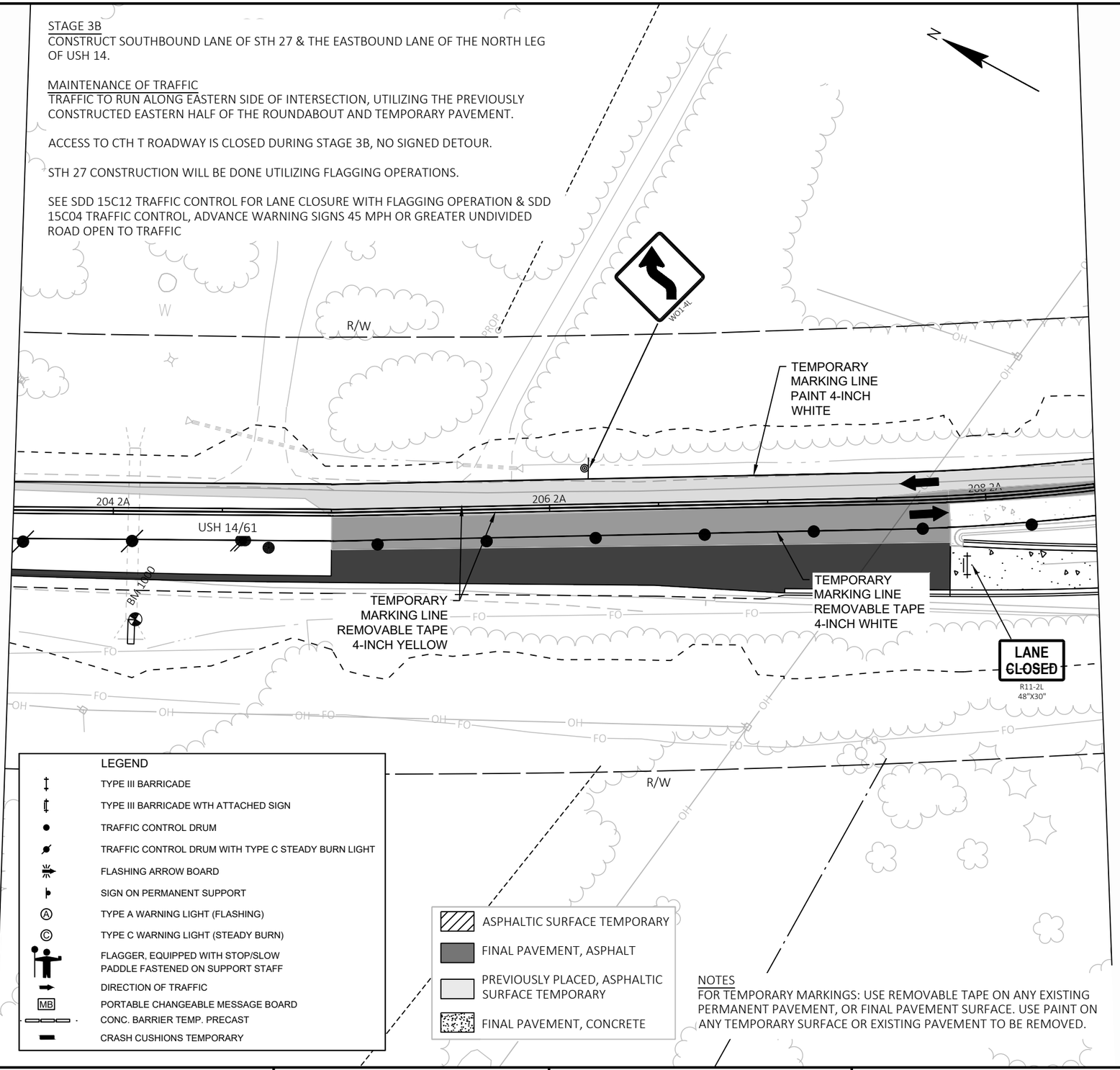
STAGE 3B
CONSTRUCT SOUTHBOUND LANE OF STH 27 & THE EASTBOUND LANE OF THE NORTH LEG OF USH 14.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH 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
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3B	SHEET 99	E

2

STAGE 3B
CONSTRUCT SOUTHBOUND LANE OF STH 27 & THE EASTBOUND LANE OF THE NORTH LEG OF USH 14.

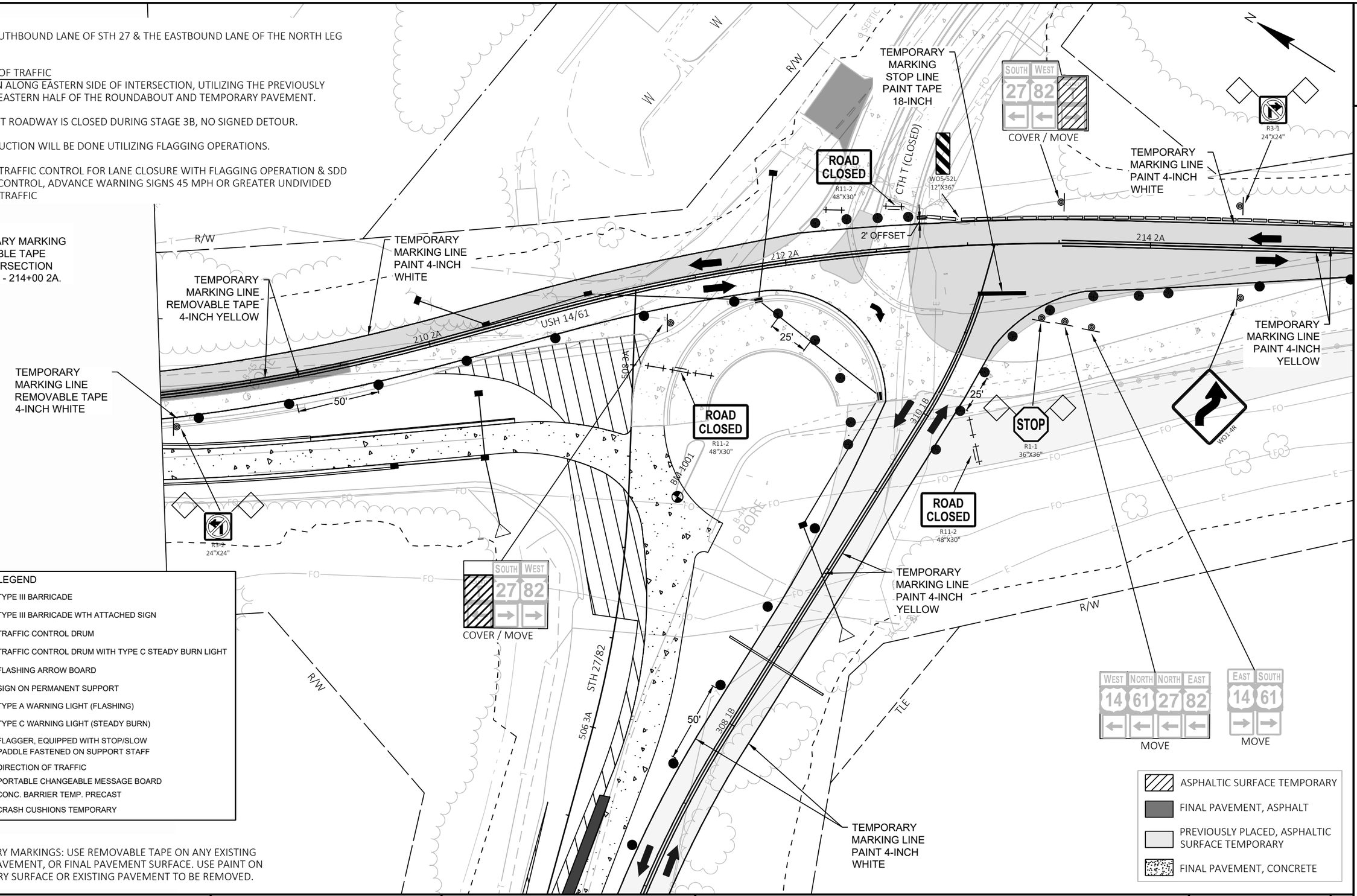
MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

NOTE
USE TEMPORARY MARKING LINE REMOVABLE TAPE W/IN THE INTERSECTION STA 210+00 2A - 214+00 2A.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3B	SHEET 100	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025102B_TC.DWG
LAYOUT NAME - 3-3
PLOT DATE : 7/28/2022 10:32 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

STAGE 3B
CONSTRUCT SOUTHBOUND LANE OF STH 27 & THE EASTBOUND LANE OF THE NORTH LEG OF USH 14.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

N

Mt Sterling 18
De Soto 22
Prairie du Chien 43
REMOVE

SOUTH WEST
27 82
REMOVE

R/W

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE

502 3A
504 3A
506 3A
508 3A
BM 1001
STH 27/82
306 1B
308 1B
50'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW

SWITCH FROM TEMPORARY MARKING LINE REMOVABLE TAPE TO TEMPORARY MARKING LINE PAINT AT STA 305+00 1B. (ALL MARKINGS)

TEMPORARY MARKING LINE PAINT 4-INCH WHITE

TEMPORARY MARKING LINE PAINT 4-INCH YELLOW

W01-4R

FOLLOW SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC. INCLUDE TEMPORARY SPEED REDUCTION SIGNING. FOLLOW SDD 15C02 ADVANCED WIDTH RESTRICTION SIGNING.

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

LEGEND
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3B	SHEET 101	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025102B_TC.DWG
LAYOUT NAME - 3-7
PLOT DATE : 7/28/2022 10:32 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

STAGE 3B
CONSTRUCT SOUTHBOUND LANE OF STH 27 & THE EASTBOUND LANE OF THE NORTH LEG OF USH 14.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION & SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

N

FOLLOW SDD 15C02 BARRICADES AND SIGNS FOR MAINLINE CLOSURES

R/W

MAINTAIN DRIVEWAY ACCESS AT ALL TIMES

SEPTIC

TLE

CTH T (CLOSED)

ROAD CLOSED
R11-2
48"X30"

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

SOUTH WEST
27 82

COVER / MOVE

310 1B

STOP
R1-1
36"X36"

R3-1
24"X24"

214 2A

USH 14/61

WEST NORTH NORTH EAST
14 61 27 82

MOVE

EAST SOUTH
14 61

MOVE

WG1-4R

R/W

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 3B	SHEET 102	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025102B_TC.DWG
LAYOUT NAME - 3-8

PLOT DATE : 7/28/2022 10:32 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

STAGE 3B
CONSTRUCT SB LANE OF STH 27 & THE EB LANE OF THE NORTHERN LEG OF USH 14.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

STH 27 CONSTRUCTION WILL BE DONE UTILIZING FLAGGING OPERATIONS.

CTH T ROADWAY WILL BE CLOSED DURING STAGE 3B, NO SIGNED DETOUR.

USH 14/61

PM 1000

CONSTRUCT EB LANE

PM 1001

CONSTRUCT SB LANE

SLOPE INTERCEPT

CTH T (CLOSED)

STH 27/82

USH 14/61

ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, ASPHALT

PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLANS - STAGE 3 OVERVIEW	SHEET 103	E

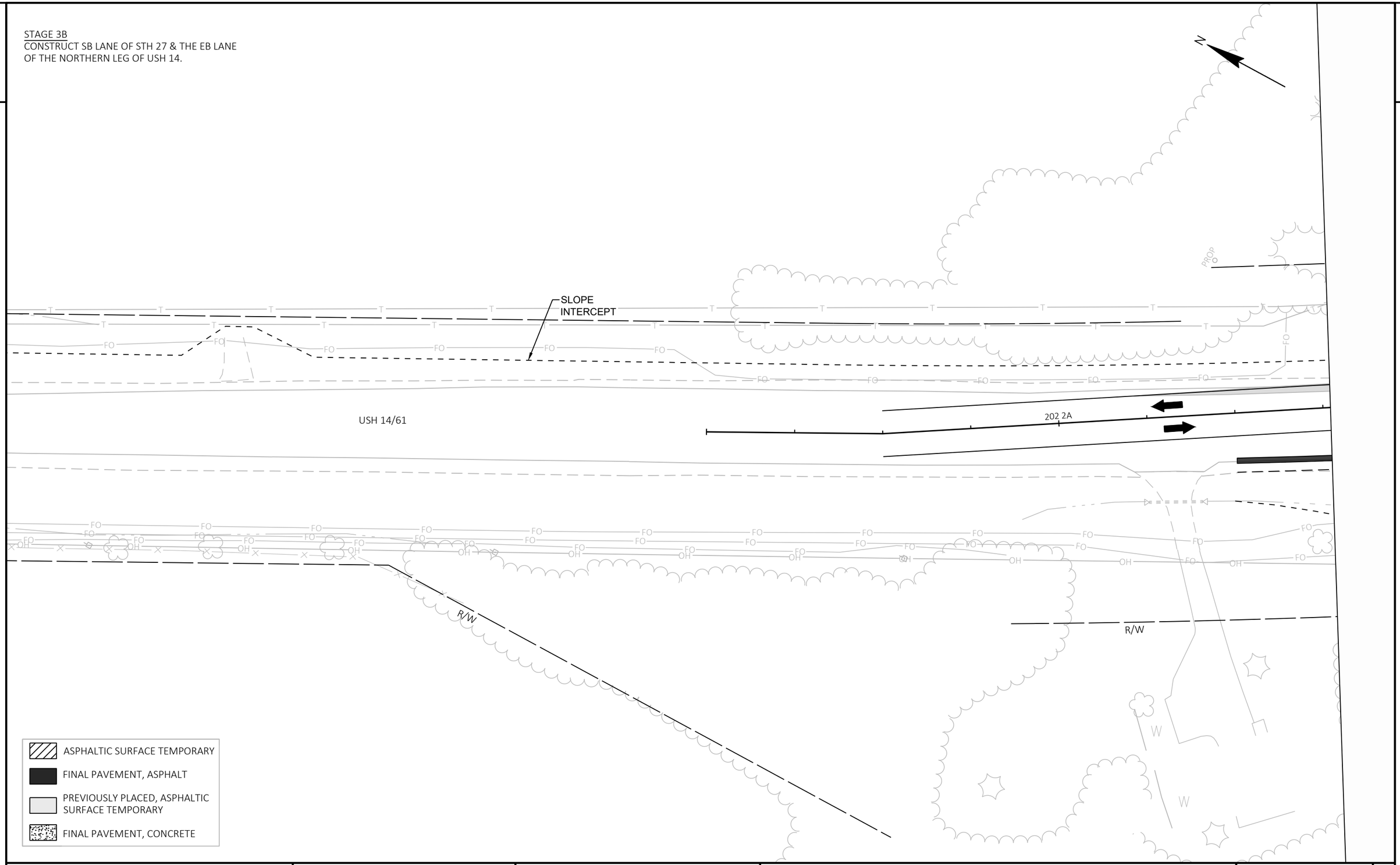
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3B.DWG
LAYOUT NAME - 3-3

PLOT DATE : 7/28/2022 10:34 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

STAGE 3B
CONSTRUCT SB LANE OF STH 27 & THE EB LANE
OF THE NORTHERN LEG OF USH 14.



2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3B	SHEET 104	E

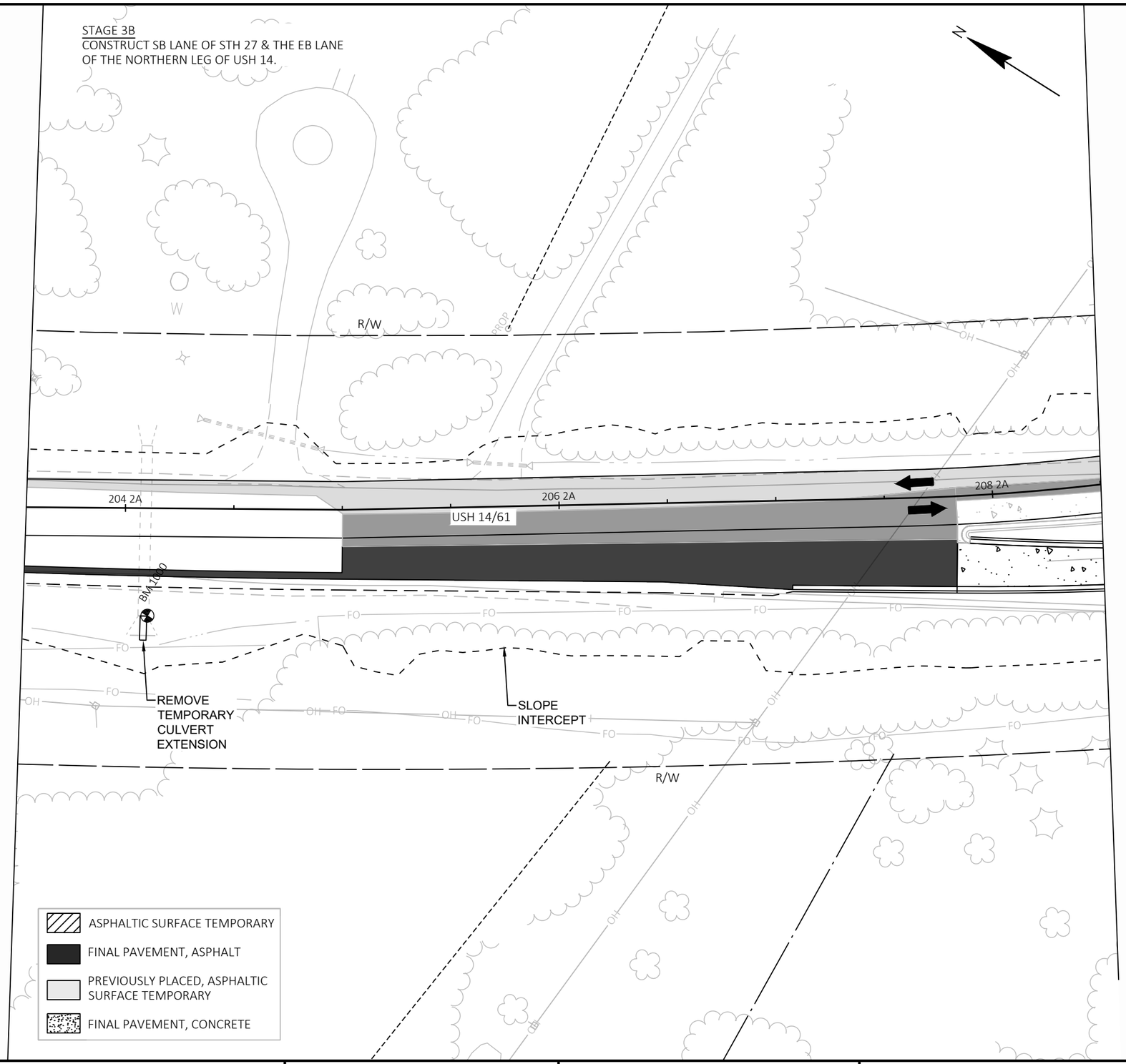
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3B.DWG
LAYOUT NAME - 3-4

PLOT DATE : 7/28/2022 10:34 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 3B
CONSTRUCT SB LANE OF STH 27 & THE EB LANE
OF THE NORTHERN LEG OF USH 14.



2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3B	SHEET 105	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3B.DWG
LAYOUT NAME - 3-5

PLOT DATE : 7/28/2022 10:34 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

STAGE 3B
CONSTRUCT SB LANE OF STH 27 & THE EB LANE OF THE NORTHERN LEG OF USH 14.

N

R/W
USH 14/61
210 2A
212 2A
214 2A
507+88 3A
67.8 FT LT
462+68 EBA
0.0 FT LT
508 3A
507+91 3A
109.2 FT LT
462+01 EBA
19.0 FT RT
507+67 3A
36.2 FT LT
CAUTION
507+47 3A
34.2 FT LT
BM 1001
42+29 M1
0.0 FT LT
22+35
26.1 FT LT
CTH T (CLOSED)
310 1B
CONSTRUCT APRON 12
AND INLETS 13, 14 & 15.
506+61 3A
12.9 FT LT
506+61 3A
12.0 FT LT
6"
506 3A
505+66 3A
9.5 FT RT
505+54 3A
13.0 FT LT
20+99 NBA
33.2 FT LT
20+98 NBA
38.7 FT LT
308 1P
STH 27/82
TILE
SLOPE
INTERCEPT

ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, ASPHALT
PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3B	SHEET 106	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3B.DWG
LAYOUT NAME - 3-6
PLOT DATE : 7/28/2022 10:34 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

STAGE 3B
CONSTRUCT SB LANE OF STH 27 & THE EB LANE OF THE NORTHERN LEG OF USH 14.

STH 27 CONSTRUCTION WILL BE DONE UTILZING FLAGGING OPERATIONS. ONLY PAVE LOWER LAYER OF PAVEMENT ON STH 27, STA 16+50 NBA - STA 19+10 NBA. UPPER LAYER TO BE DONE IN STAGE 5.

N

EXTEND EXISTING CULVERT
72" X 10' CPRC CLASS III REQ'D
1- 72" AECP REQ'D

ONLY PAVE LOWER LAYER OF STH 27/82.

R/W

502+41 3A
12.4 FT LT

503+33 3A
12.8 FT LT

503+79 3A
1.9 FT LT

504+12 3A
13.0 FT LT

504+38 3A
8.6 FT LT

504+37 3A
5.6 FT LT

504 3A

505+54 3A
13.0 FT LT

505+66 3A
9.5 FT RT

506 3A

506+61 3A
12.9 FT LT

506+61 3A
12.0 FT LT

19+09 NBA
24.5 FT LT

20+98 NBA
38.7 FT LT

20+99 NBA
33.2 FT LT

6'

502 3A

304 1B

STH 27/82

308 1B

109.2 FT LT

462+01 EBA
19.0 FT RT

210 2A

507+88 3A
67.8 FT LT

462+68 EBA
0.0 FT LT

507+67 3A
36.2 FT LT

507+47 3A
34.2 FT LT

508 3A

BM 1001

42+29 M1
0.0 FT LT

22+35
26.1 FT LT

BORE

SLOPE
INTERCEPT

TLE

R/W

ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, ASPHALT

PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 3B	SHEET 107	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S3B.DWG
LAYOUT NAME - 3-7

PLOT DATE : 7/28/2022 10:34 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

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

N

USH 14/61

BM 1000

BM 1001

CTH T (CLOSED)

STH 27

USH 14/61

TRUCK TRAFFIC TO USE THE PREVIOUSLY CONSTRUCTED TRUCK APRON TO COMPLETE TURNING MOVEMENTS AT TEMPORARY INTERSECTION

CONSTRUCT SW PORTION OF ROUNDABOUT

LEGEND

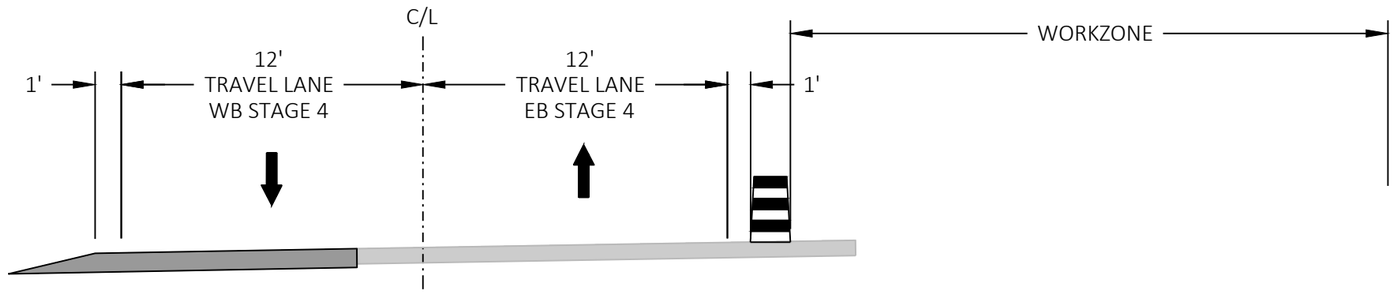
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

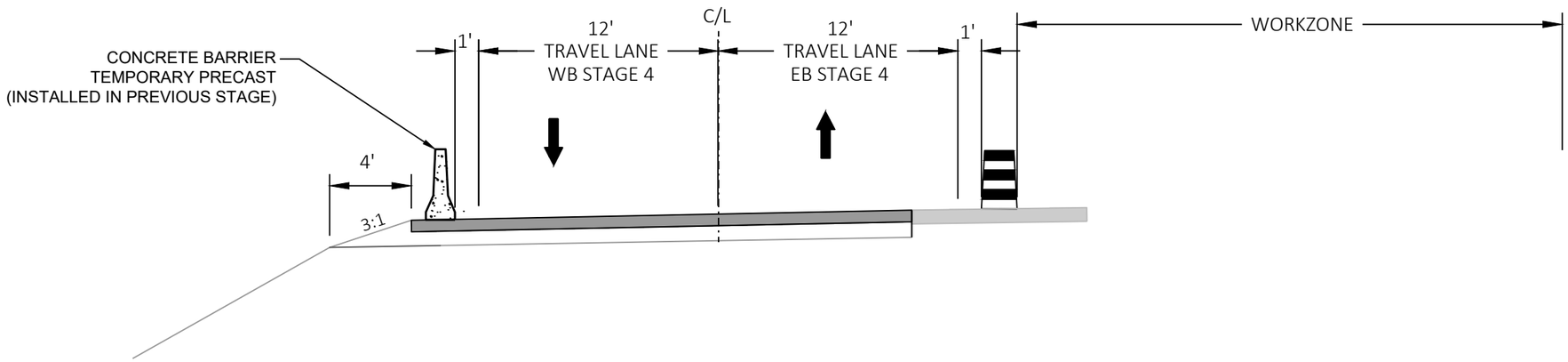
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 108	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025103_TC.DWG
LAYOUT NAME - 4-1
PLOT DATE : 7/28/2022 10:36 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

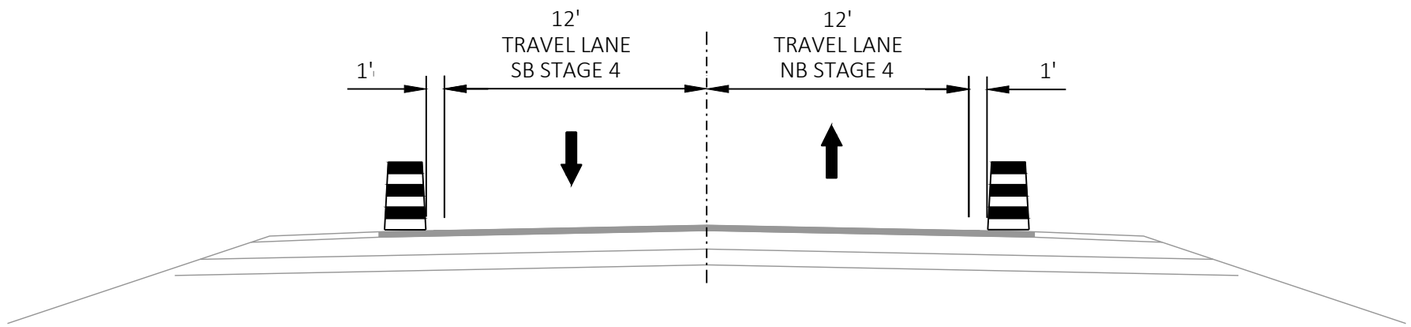


STAGE 4 - TYPICAL SECTION
USH 14/61
STA 201+00 2A TO STA 212+50 2A



STAGE 4 - TYPICAL SECTION
USH 14/61
STA 212+50 2A TO STA 222+00 2A

2



STAGE 4 - TYPICAL SECTION
STH 27
STA 501+00 3A - STA 508+00 3A

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLANS - STAGE 4	SHEET 110	E

2

STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

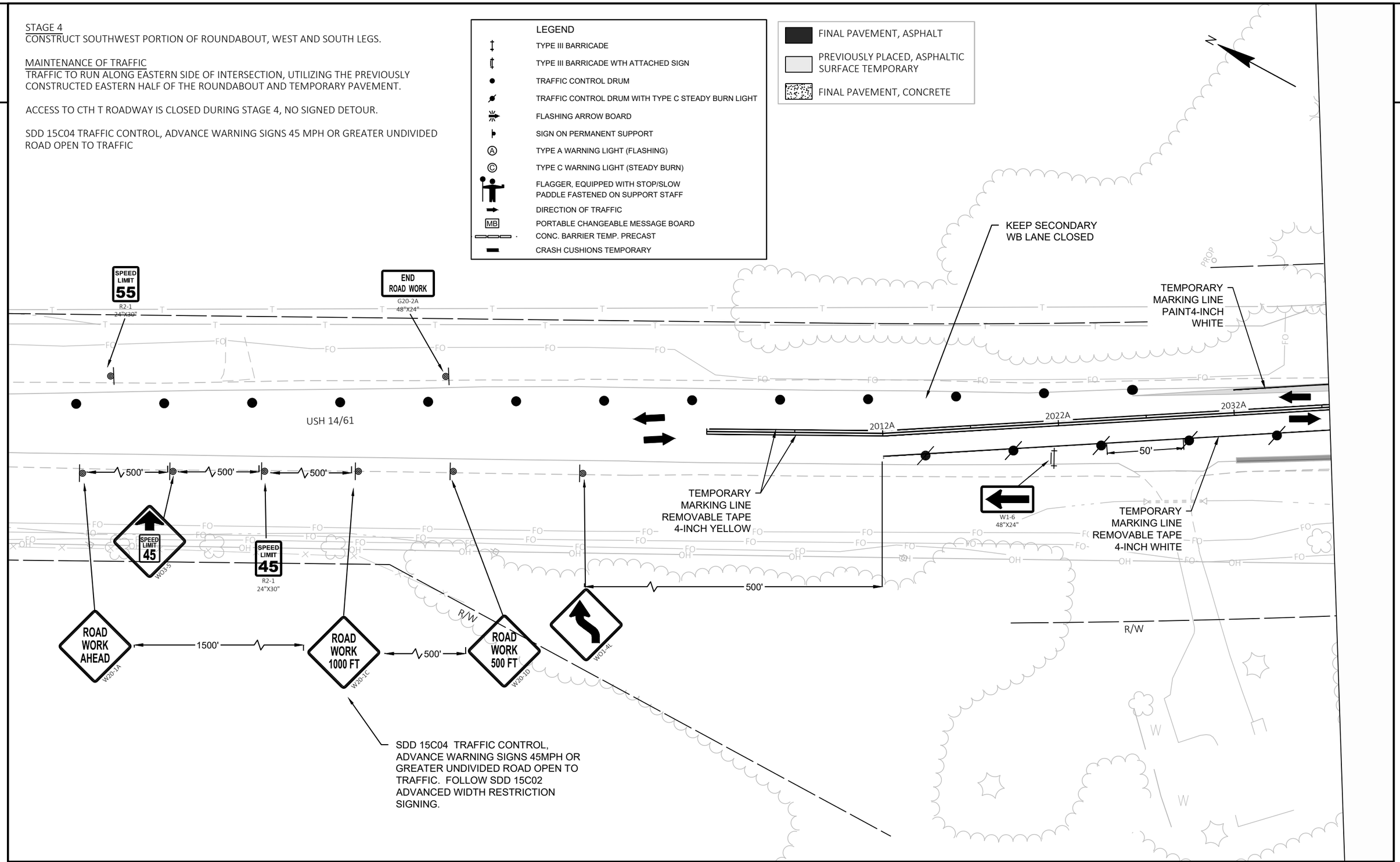
ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH 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
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4	SHEET 111	E

2

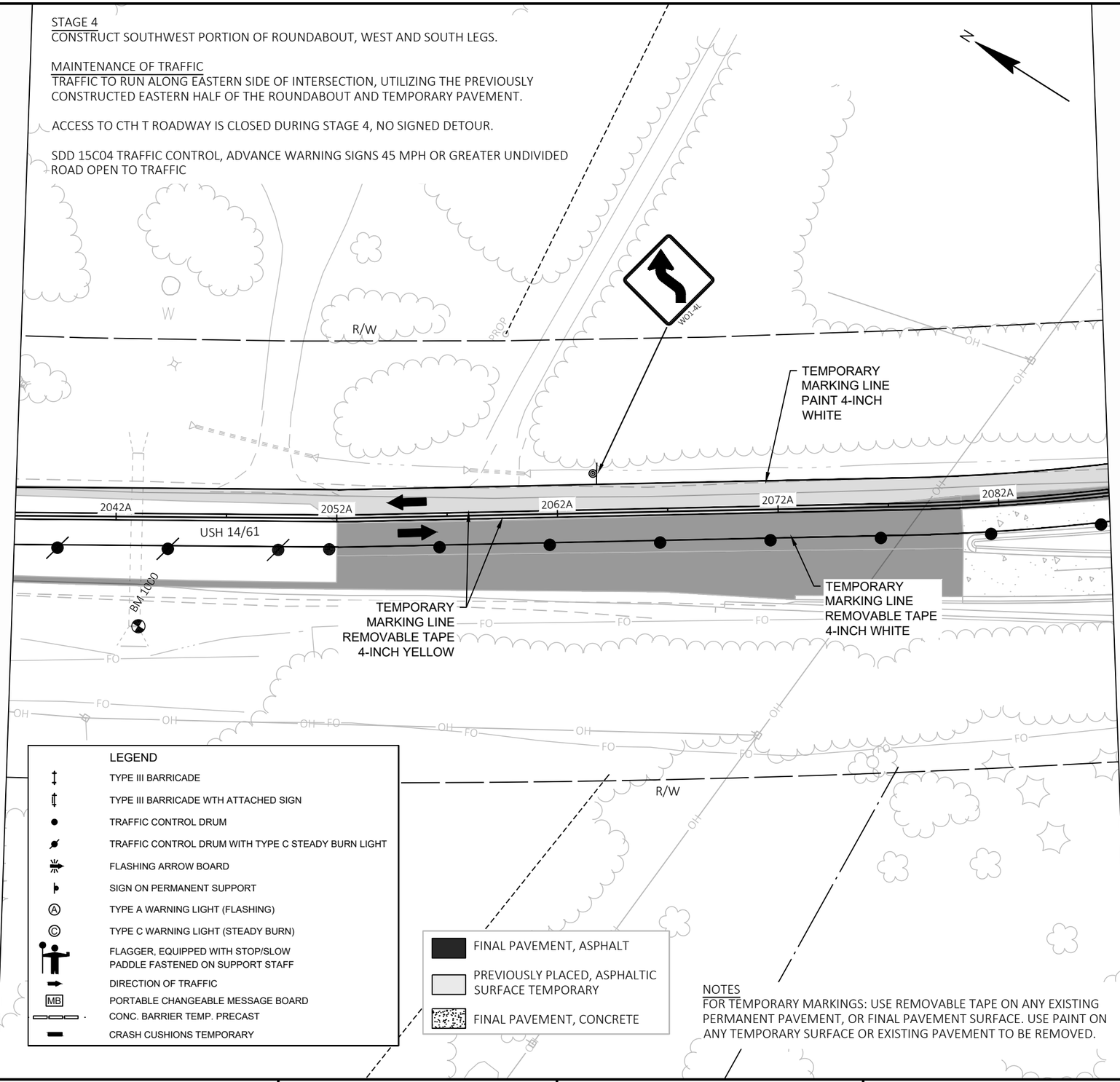
2

STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

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



NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4	SHEET 112	E

2

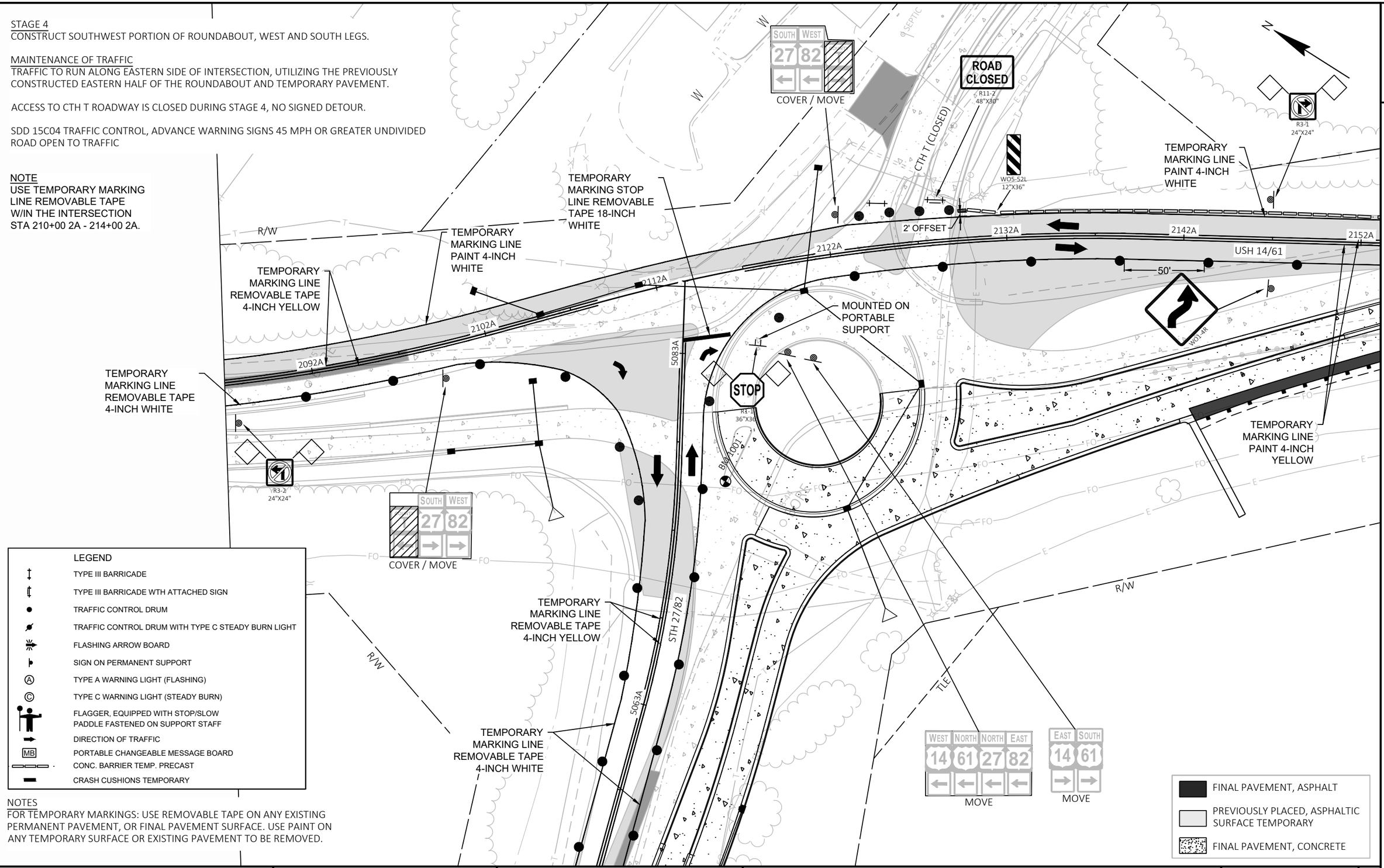
STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

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

NOTE
USE TEMPORARY MARKING LINE REMOVABLE TAPE W/IN THE INTERSECTION STA 210+00 2A - 214+00 2A.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4	SHEET 113	E

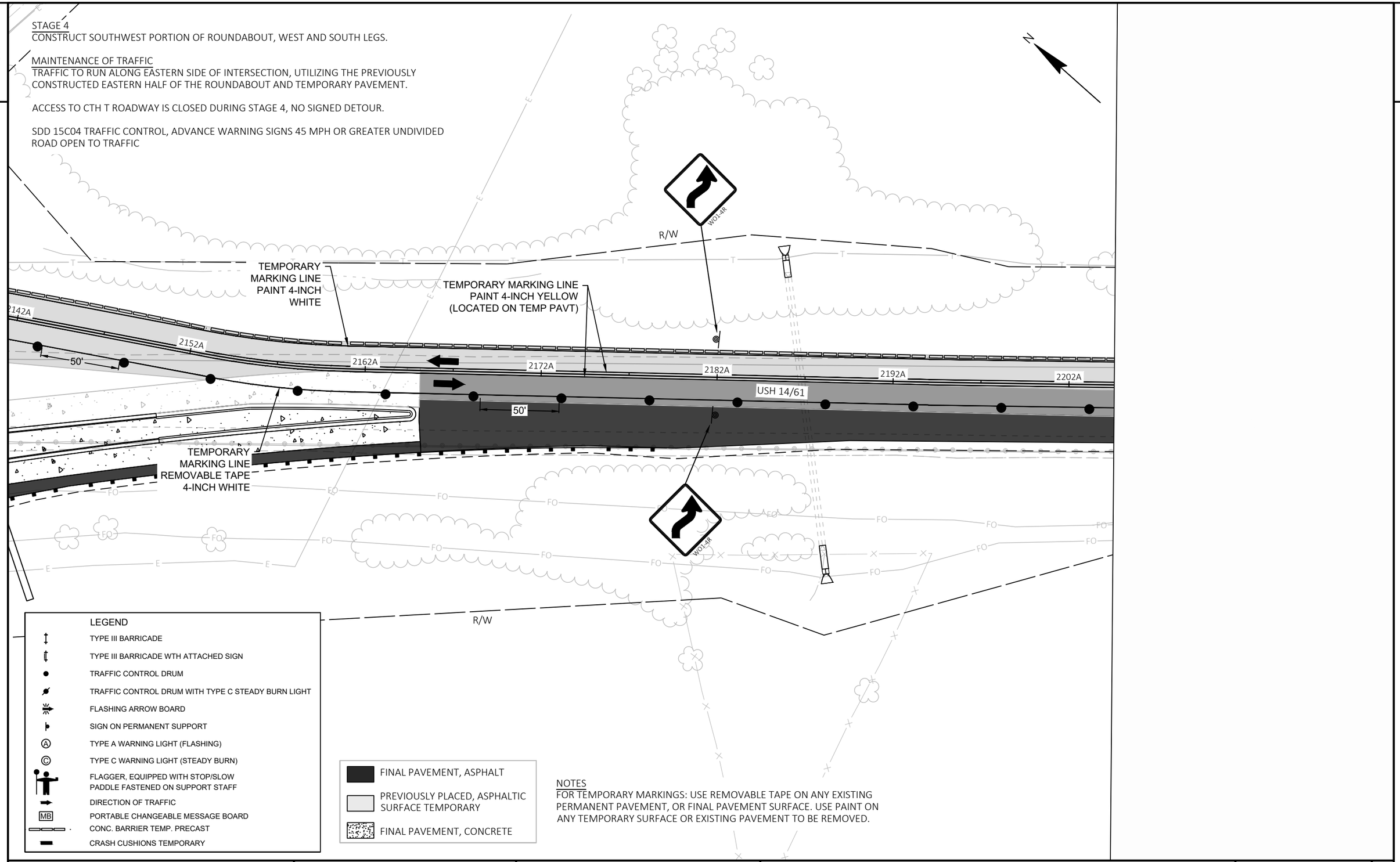
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025103_TC.DWG
LAYOUT NAME - 4-4
PLOT DATE : 7/28/2022 10:39 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

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



NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4	SHEET 114	E

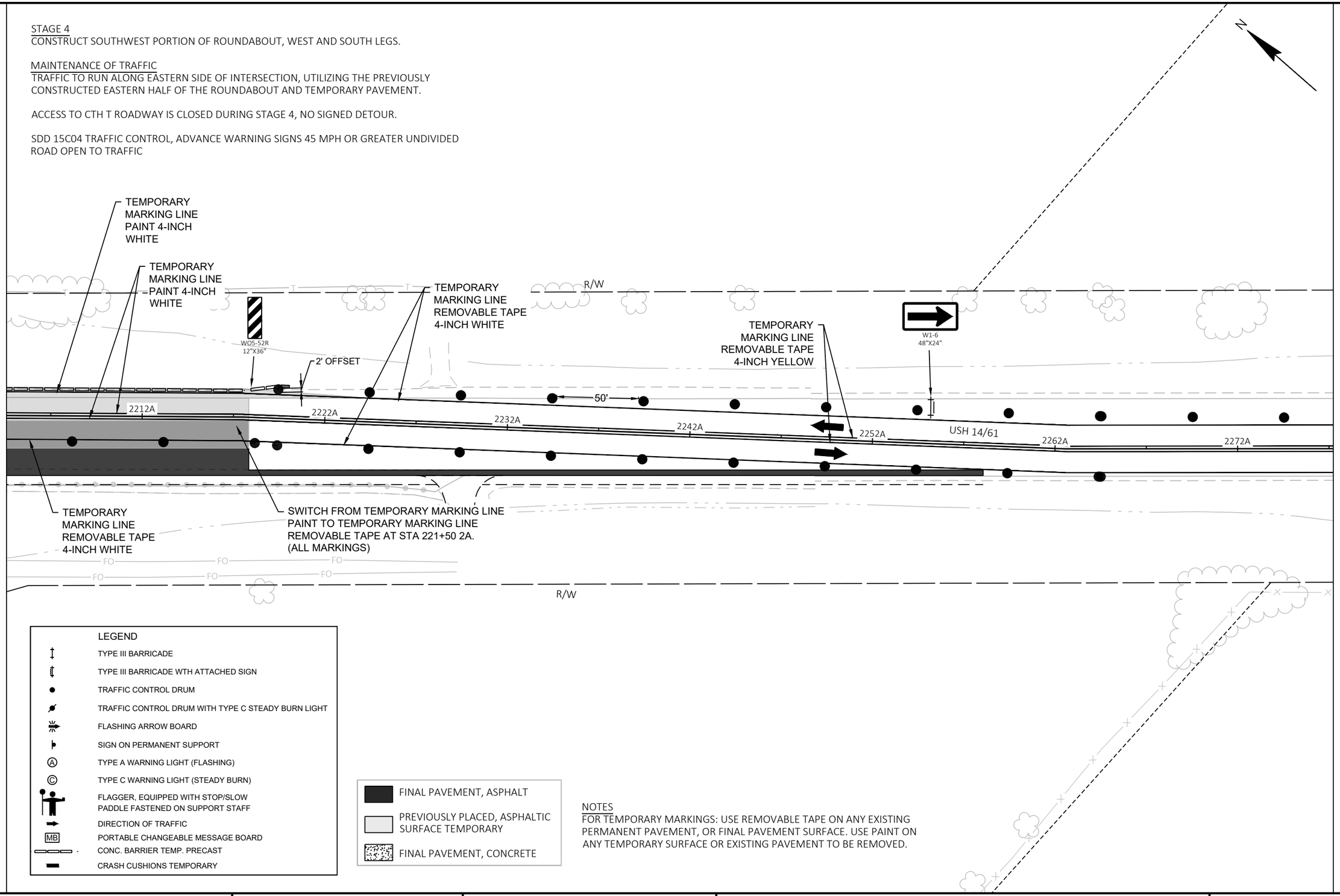
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025103_TC.DWG
LAYOUT NAME - 4-5
PLOT DATE : 7/28/2022 10:39 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH 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
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4	SHEET 115	E

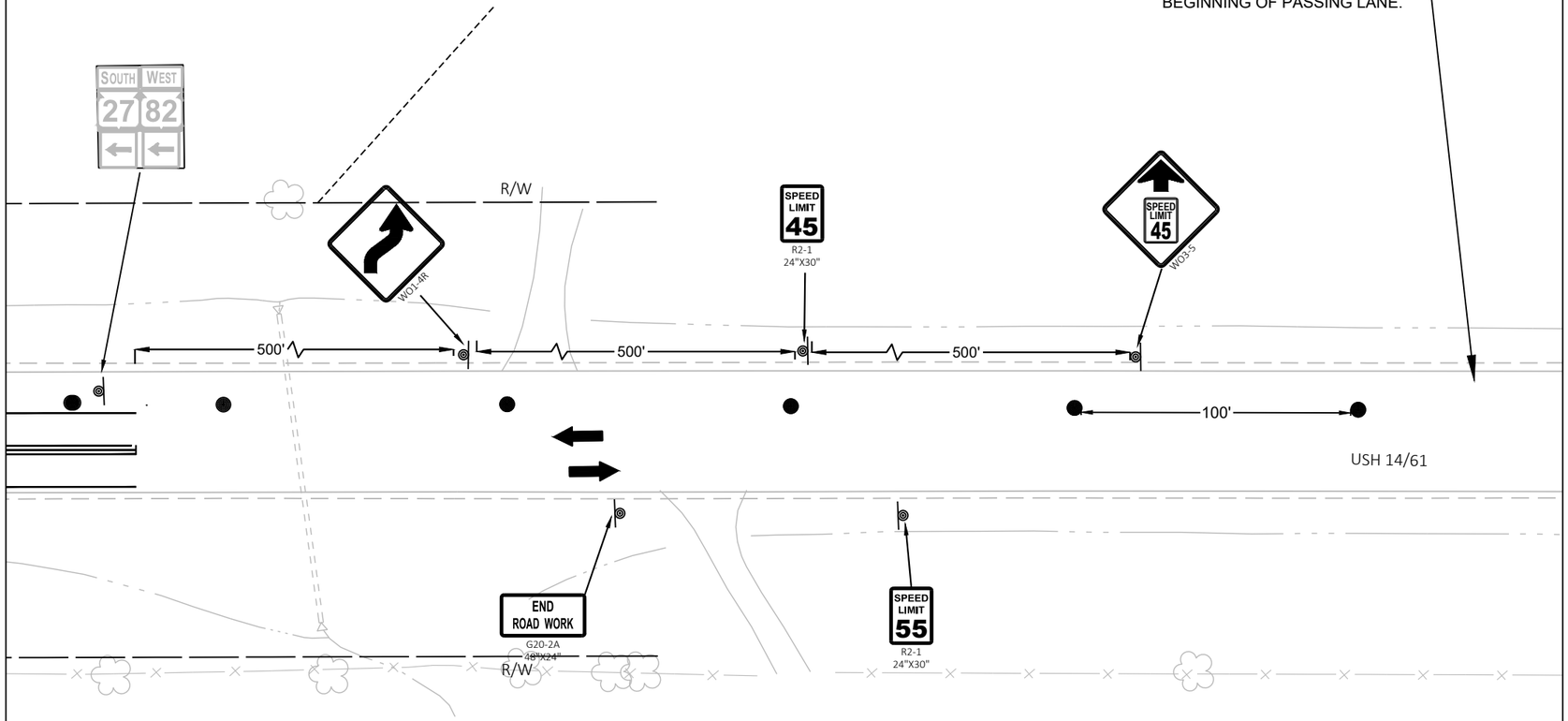
STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

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

FOLLOW SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY. CLOSE APPROX. 100-FT BEFORE BEGINNING OF PASSING LANE.



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

NOTES
FOR TEMPORARY MARKINGS: USE REMOVABLE TAPE ON ANY EXISTING PERMANENT PAVEMENT, OR FINAL PAVEMENT SURFACE. USE PAINT ON ANY TEMPORARY SURFACE OR EXISTING PAVEMENT TO BE REMOVED.

2

STAGE 4
CONSTRUCT SOUTHWEST PORTION OF ROUNDABOUT, WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

ACCESS TO CTH T ROADWAY IS CLOSED DURING STAGE 4, NO SIGNED DETOUR.

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

N

R/W

SOUTH WEST
27 82
COVER / MOVE

2102A

USH 14/61

5083A

TEMPORARY
MARKING LINE
REMOVABLE TAPE
4-INCH WHITE

TEMPORARY
MARKING LINE
REMOVABLE TAPE
4-INCH YELLOW

50'

STH 27/82

5043A

5063A

5023A

BM 1001

STOP
R1-1
36"X36"

FOLLOW SDD 15C04 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC. INCLUDE TEMPORARY SPEED REDUCTION SIGNING. FOLLOW SDD 15C02 ADVANCED WIDTH RESTRICTION SIGNING.

R/W

TLE

R/W

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

- FINAL PAVEMENT, ASPHALT
- PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY
- FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 4	SHEET 117	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025103_TC.DWG
LAYOUT NAME - 4-8

PLOT DATE : 7/28/2022 10:40 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

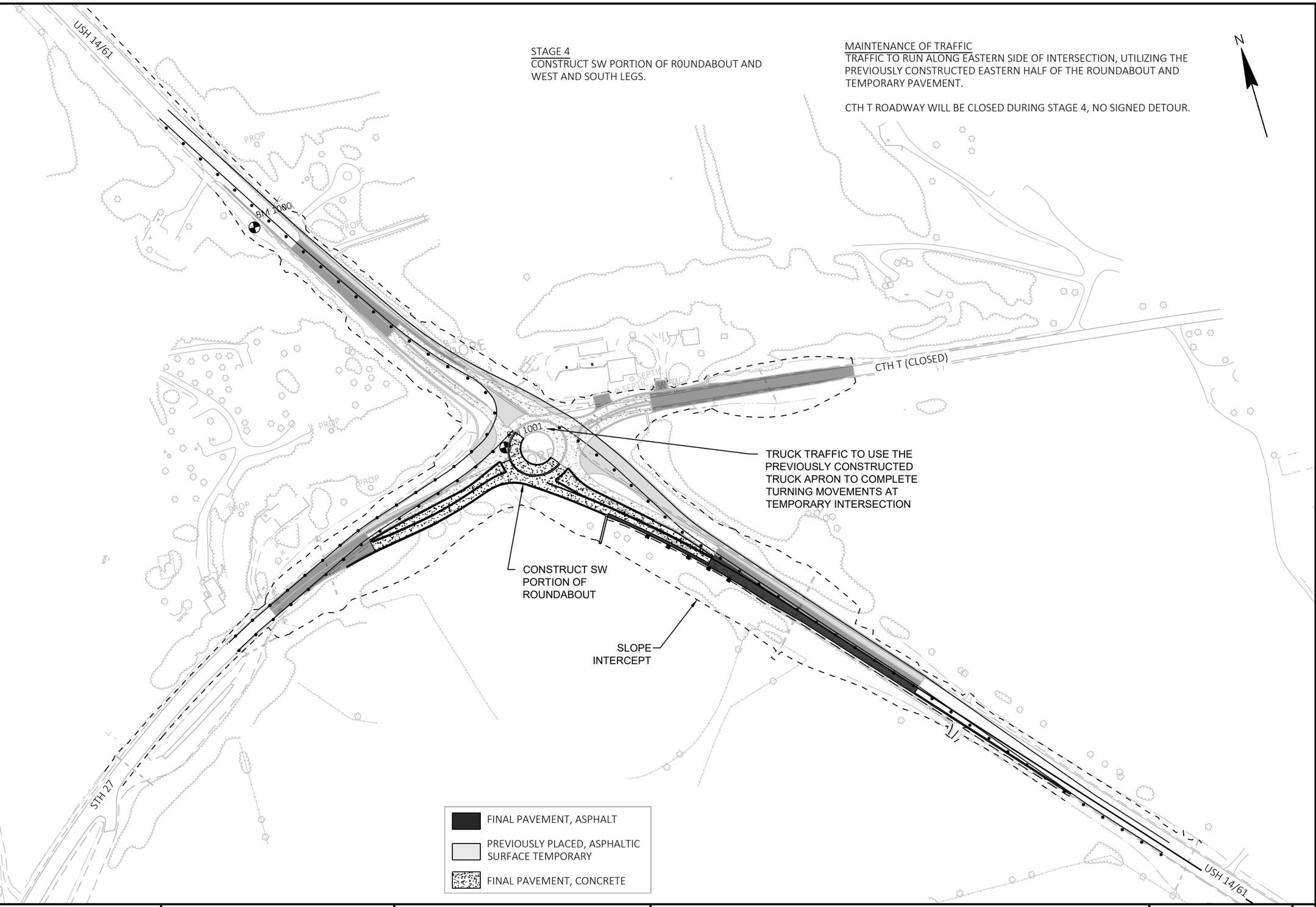
STAGE 4
CONSTRUCT SW PORTION OF ROUNDABOUT AND WEST AND SOUTH LEGS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO RUN ALONG EASTERN SIDE OF INTERSECTION, UTILIZING THE PREVIOUSLY CONSTRUCTED EASTERN HALF OF THE ROUNDABOUT AND TEMPORARY PAVEMENT.

CTH T ROADWAY WILL BE CLOSED DURING STAGE 4, NO SIGNED DETOUR.

N

2

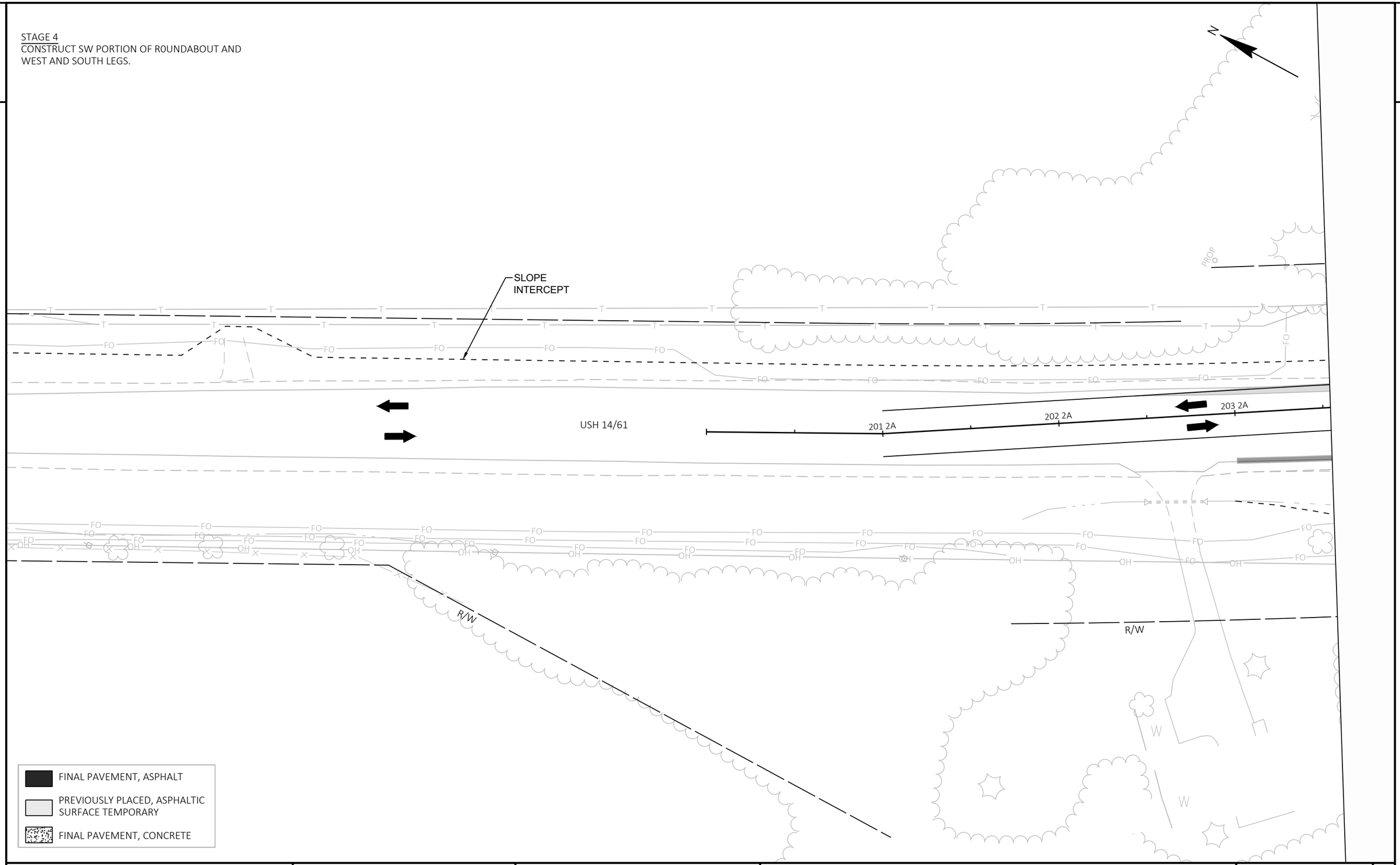


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLANS - STAGE 4 OVERVIEW	SHEET 118	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-3
PLOT DATE : 7/28/2022 10:41 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

STAGE 4
CONSTRUCT SW PORTION OF R0UNDABOUT AND
WEST AND SOUTH LEGS.



2

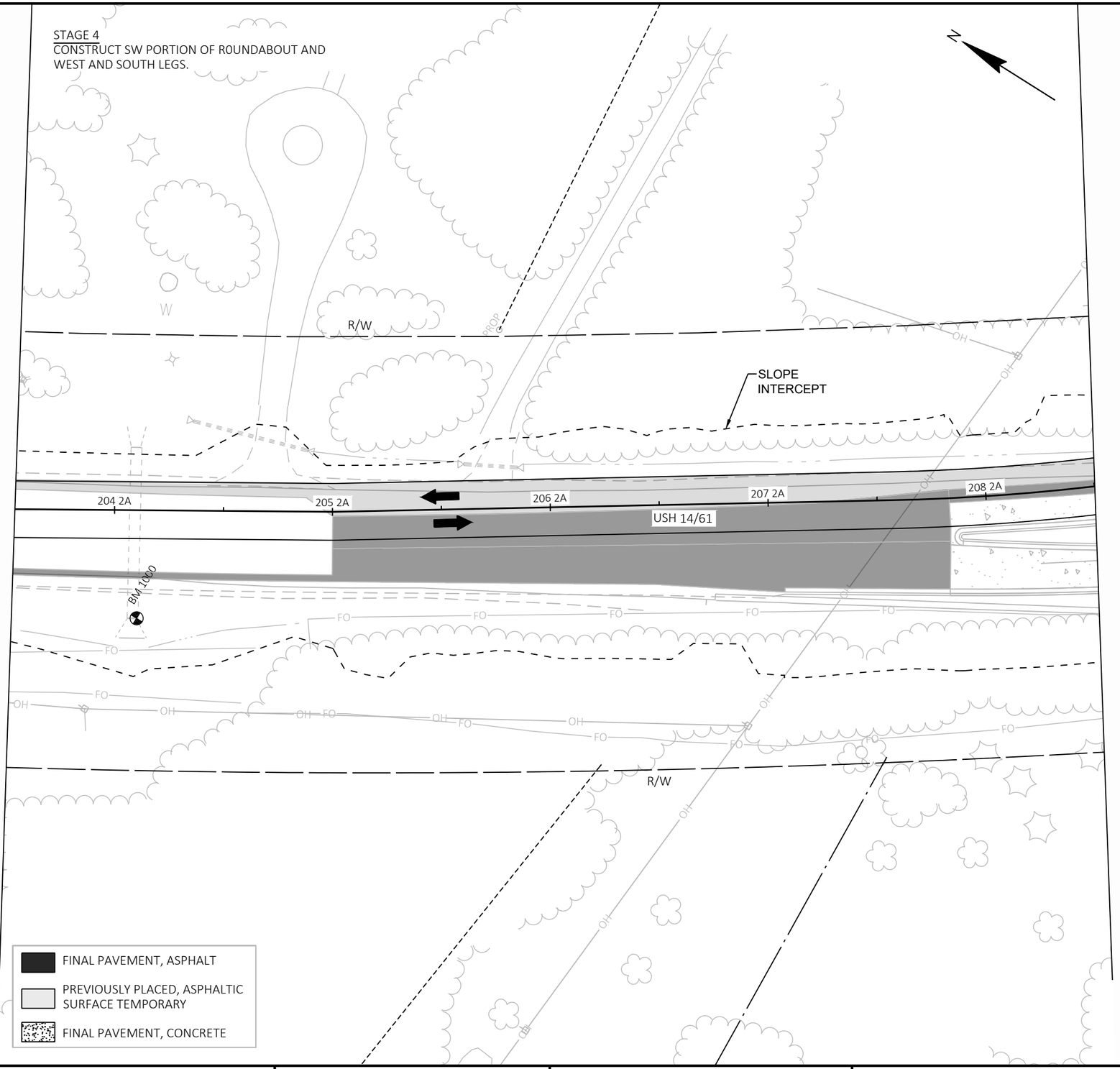
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 4	SHEET 119	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-4

PLOT DATE : 7/28/2022 10:41 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 4
CONSTRUCT SW PORTION OF R0UNDABOUT AND
WEST AND SOUTH LEGS.



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 4	SHEET 120	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-5

PLOT DATE : 7/28/2022 10:41 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 4
CONSTRUCT SW PORTION OF R0UNDABOUT AND
WEST AND SOUTH LEGS.

N

R/W

W

W

R/W

209 2A

210 2A

211 2A

212 2A

213 2A

214 2A

215 2A

USH 14/61

508 3A

BM 1001

466 EBE

466+28 EBE
12.1 FT RT

466+30 EBE
19.8 FT RT

466+24 EBE
20.0 FT RT
BEGIN
GUARDRAIL
CONSTRUCTION

SLOPE
INTERCEPT

STH 27/82

506 3A

R/W

R/W

TILE

CONSTRUCT
CONCRETE SURFACE
DRAIN

FINAL PAVEMENT, ASPHALT

PREVIOUSLY PLACED, ASPHALTIC
SURFACE TEMPORARY

FINAL PAVEMENT, CONCRETE

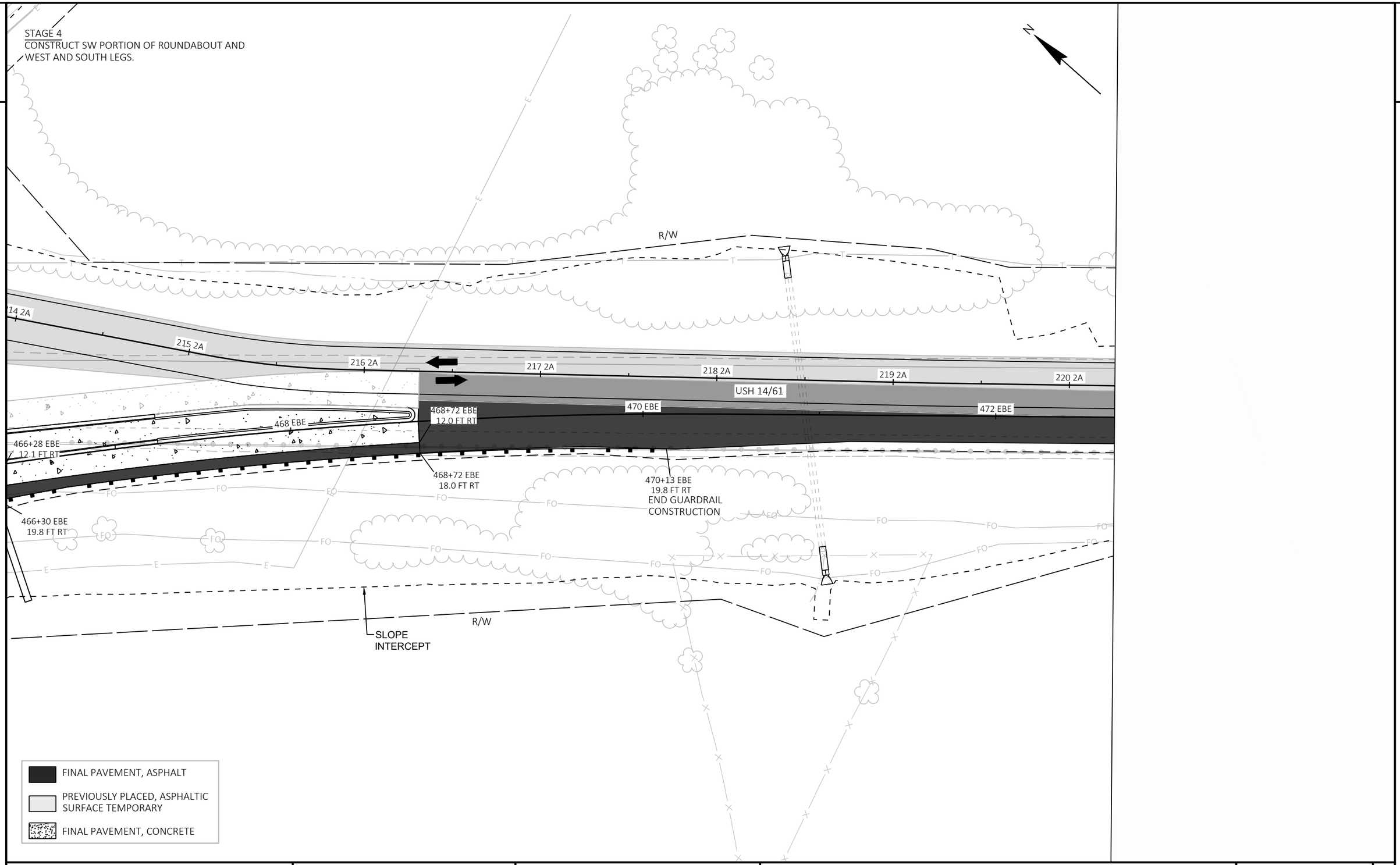
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 4	SHEET 121	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-6

PLOT DATE : 7/28/2022 10:41 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

STAGE 4
CONSTRUCT SW PORTION OF R0UNDABOUT AND
WEST AND SOUTH LEGS.

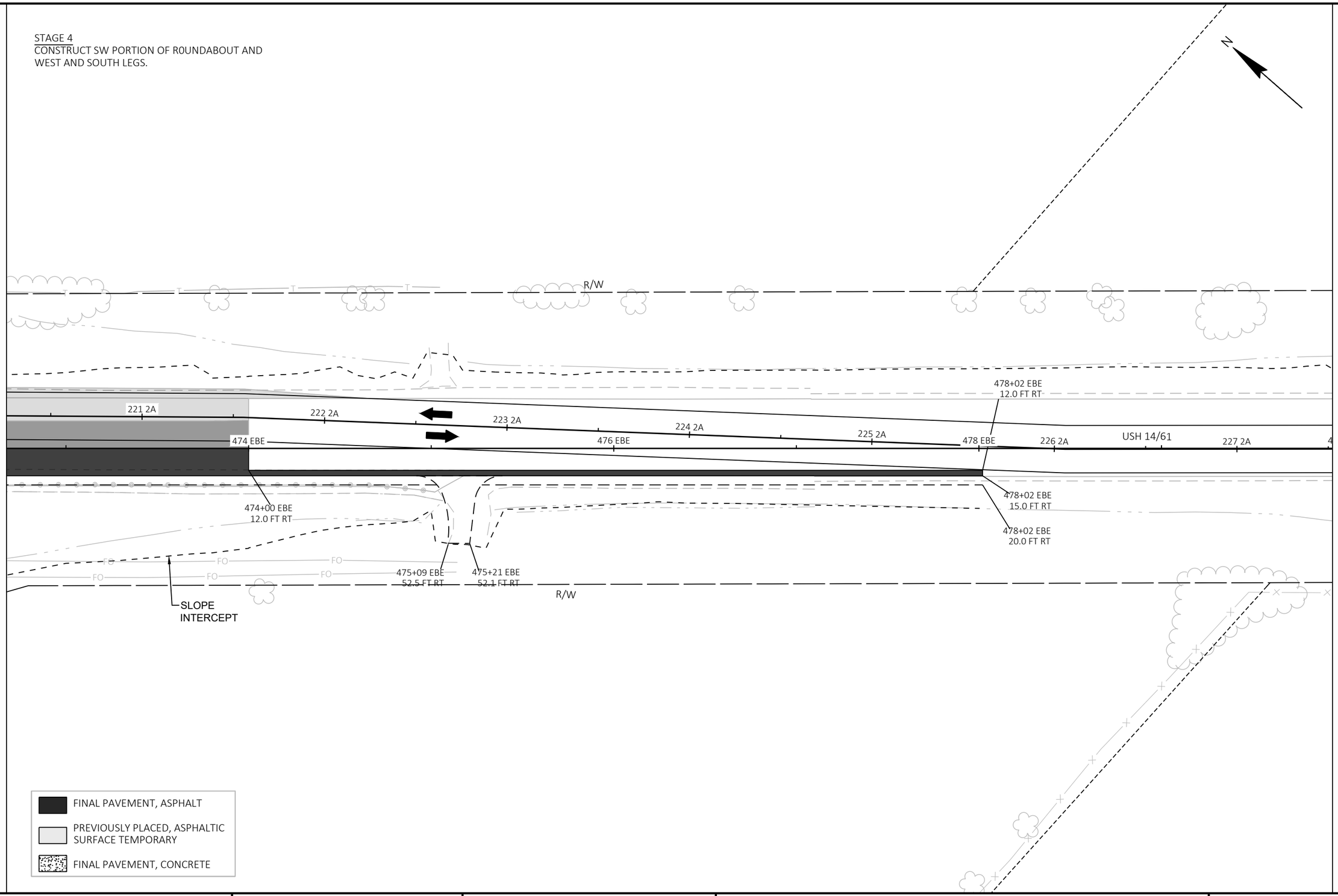


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 4	SHEET 122	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-7
PLOT DATE : 7/28/2022 10:41 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STAGE 4
CONSTRUCT SW PORTION OF R0UNDABOUT AND
WEST AND SOUTH LEGS.



2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 4	SHEET 123	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-8

PLOT DATE : 7/28/2022 10:41 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 4
CONSTRUCT SW PORTION OF ROUNDABOUT AND WEST AND SOUTH LEGS.

N

R/W

STH 27

502 3A

504 3A

506 3A

508 3A

210 2A

BM 1001

CONSTRUCT INLETS 10 & 11.
CONSTRUCT APRON 9.

SLOPE INTERCEPT

TLE

R/W

R/W

R/W

FINAL PAVEMENT, ASPHALT

PREVIOUSLY PLACED, ASPHALTIC SURFACE TEMPORARY

FINAL PAVEMENT, CONCRETE

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 4	SHEET 124	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S4.DWG
LAYOUT NAME - 4-9

PLOT DATE : 7/28/2022 10:41 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER, PORTIONS OF SPLITTER ISLANDS, TRUCK OVER TRACK AREAS & ROADWAY SHOULDERS.

MAINTENANCE OF TRAFFIC
TRAFFIC TO UTILIZE COMPLETED ROUNDABOUT AND ROADWAYS.

CTH T WILL REMAIN CLOSED DURING STAGE 5, NO SIGNED DETOUR.

FINAL CURB & GUTTER TO BE DONE USING FLAGGING OPERATIONS.

THE RESURFACING SECTION OF STH 27 TO BE DONE UNDER FLAGGING.

SEE SDD 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY & SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT.

N

CONSTRUCT PAVEMENT & SHOULDER TIE IN

USH 14/61

MB

MESSAGE
NEW
TRAFFIC
PATTERN

BM 1000

CONSTRUCT FINAL C&G, ISLAND PAVEMENT & TRUCK OVER TRACK AREA

CTH T

BM 1001

SLOPE INTERCEPT

CONSTRUCT PAVEMENT & SHOULDER TIE IN

MESSAGE
NEW
TRAFFIC
PATTERN

USH 14/61

MB

CONSTRUCT STH 27 RESURFACE SECTION, TO BE DONE UNDER FLAGGING.

STH 27/82

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- (C) TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 5 OVERVIEW	SHEET 125	E

STAGE 5A: CONSTRUCT REMAINING PORTIONS OF NW QUAD. FOLLOW SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATIONS, ROUNDABOUT.

- PHASE 1- EB USH 14 TRAFFIC FOLLOWS FLAGGING ROUTES FROM SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT
- PHASE 2- NB STH 27 TRAFFIC FLOWS AS NORMAL
- PHASE 3- WB USH 14 TRAFFIC FLOWS AS NORMAL, WB USH 14 TO SB STH 27 TRAFFIC TO FOLLOW FLAGGING ROUTES

N

BM 1000

USH 14/61

ROAD CLOSED
R11-2
48"X30"

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

CTH T (CLOSED)

WORK ZONE

BM 1001

ROAD CLOSED
R11-2
48"X30"

STH 27/82

SLOPE INTERCEPT

USH 14/61

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 5A	SHEET 126	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025104_TC.DWG
LAYOUT NAME - 5-2

PLOT DATE : 7/28/2022 10:42 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

STAGE 5B: CONSTRUCT REMAINING PORTIONS OF NE & SE QUAD. FOLLOW SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATIONS, ROUNDABOUT.

- PHASE 1- WB USH 14 TRAFFIC FOLLOWS FLAGGING ROUTES FROM SDD 15D37 TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT
- PHASE 2- EB USH 14 TRAFFIC FLOWS AS NORMAL
- PHASE 3- NB STH 27 TO EB USH 14 TRAFFIC FLOWS AS NORMAL, NB STH 27 TO WB USH 14 TRAFFIC TO FOLLOW FLAGGING ROUTES

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- TYPE C WARNING LIGHT (STEADY BURN)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- CONC. BARRIER TEMP. PRECAST
- CRASH CUSHIONS TEMPORARY

ROAD CLOSED
R11-2
48"X30"

WORK ZONE

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

CTH T (CLOSED)

BM 1000

USH 14/61

STH 27/82

SLOPE INTERCEPT

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	TRAFFIC CONTROL - STAGE 5B	SHEET 127	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\025104_TC.DWG
LAYOUT NAME - 5-3

PLOT DATE : 7/28/2022 10:43 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND PORTIONS OF SPLITTER ISLANDS

PERMANENT LIGHTING AND MOST PERMANENT SIGNING WILL BE IN PLACE BEFORE THE START OF STAGE 5.

N

CONSTRUCT PAVEMENT & SHOULDER TIE IN

USH 14/61

BM 1000

CONSTRUCT FINAL C&G, ISLAND PAVEMENT & TRUCK OVER TRACK AREA

CTH T

BM 1001

SLOPE INTERCEPT

CONSTRUCT PAVEMENT & SHOULDER TIE IN

USH 14/61

CONSTRUCT STH 27 RESURFACE SECTION

STH 27/82

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLANS - STAGE 5 OVERVIEW	SHEET 128	E

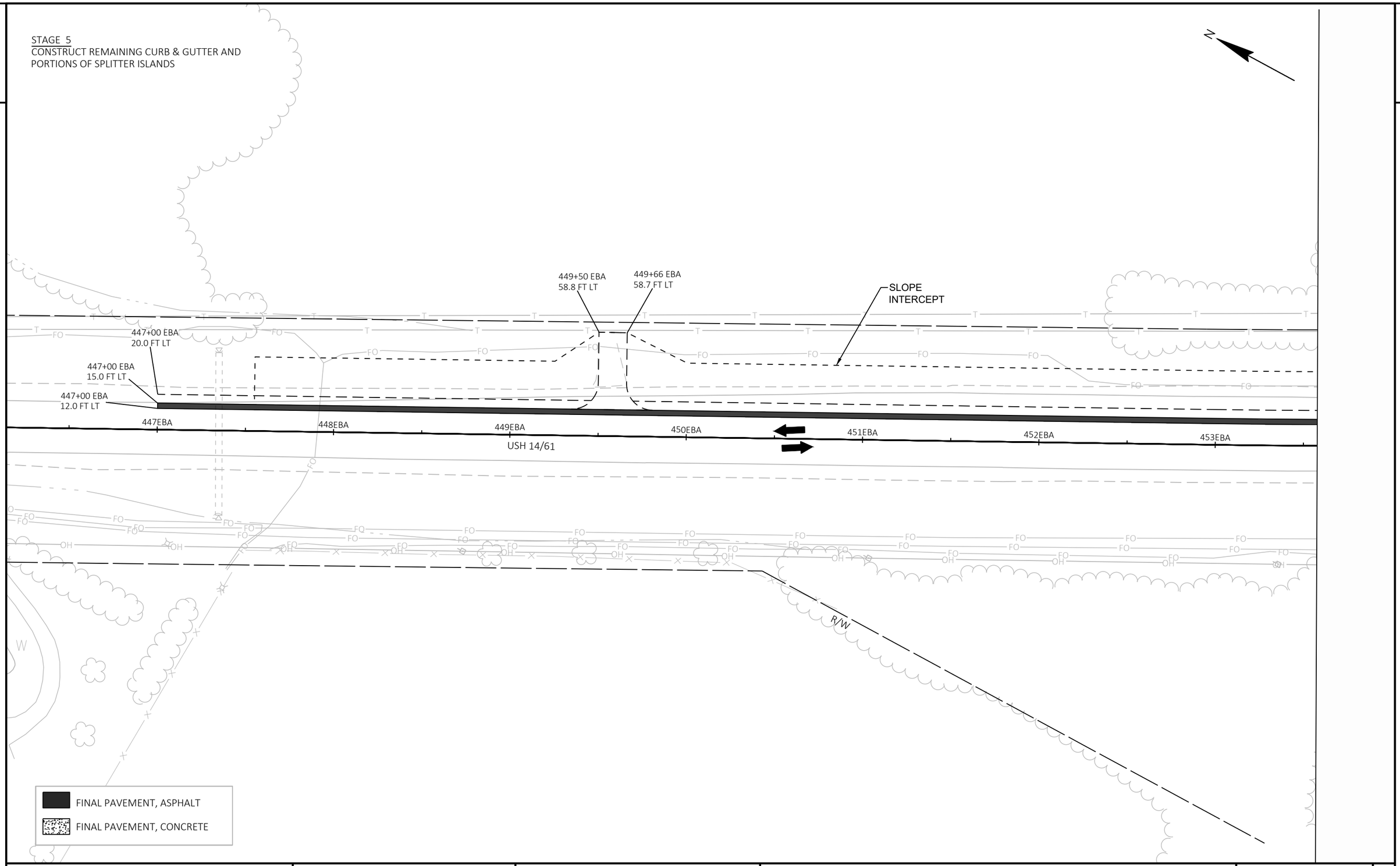
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-1

PLOT DATE : 7/28/2022 10:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 129	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-2
PLOT DATE : 7/28/2022 10:44 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS

N

R/W

SLOPE
INTERCEPT

456+88 EBA
56.8 FT LT

457+02 EBA
55.7 FT LT

457+90 EBA
50.5 FT LT

458+04 EBA
49.3 FT LT

454EBA

455EBA

456EBA

457EBA

458EBA

459WBE
459EBA

USH 14/61

BM 1000

R/W

R/W

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 130	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-3

PLOT DATE : 7/28/2022 10:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS

INSTALL
PERMANENT
INLET CASTINGS

CONSTRUCT FINAL C&G,
ISLAND PAVEMENT &TRUCK
OVER TRACK AREA

CONSTRUCT FINAL C&G,
ISLAND PAVEMENT &TRUCK
OVER TRACK AREA

CONSTRUCT
CONCRETE
SURFACE
DRAIN

SLOPE
INTERCEPT

USH 14/61

STH 27/82

CTH T

R/W

TLE

460WBE
460EBA
461WBE
461EBA
462WBE
462EBA
463WBE
463EBA
465WBA
465EBE
466WBE
466EBE
467WBA
467EBE
41M1
42M1
43M1
51TWB
51TEB
225BE
22NBA
21SBE
21NBA

FINAL PAVEMENT, ASPHALT
FINAL PAVEMENT, CONCRETE

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 131	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-4

PLOT DATE : 7/28/2022 10:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS

N

CONSTRUCT
CONCRETE
SURFACE
DRAIN

R/W

CONSTRUCT
FINAL C&G

CONSTRUCT
FINAL SHOULDER

467WBA
468WBA
469WBA
470WBA
470EBE
471EBE
472EBE
USH 14/61
468EBE
469EBE
467EBE

FO
E
T

R/W
SLOPE
INTERCEPT

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 132	E

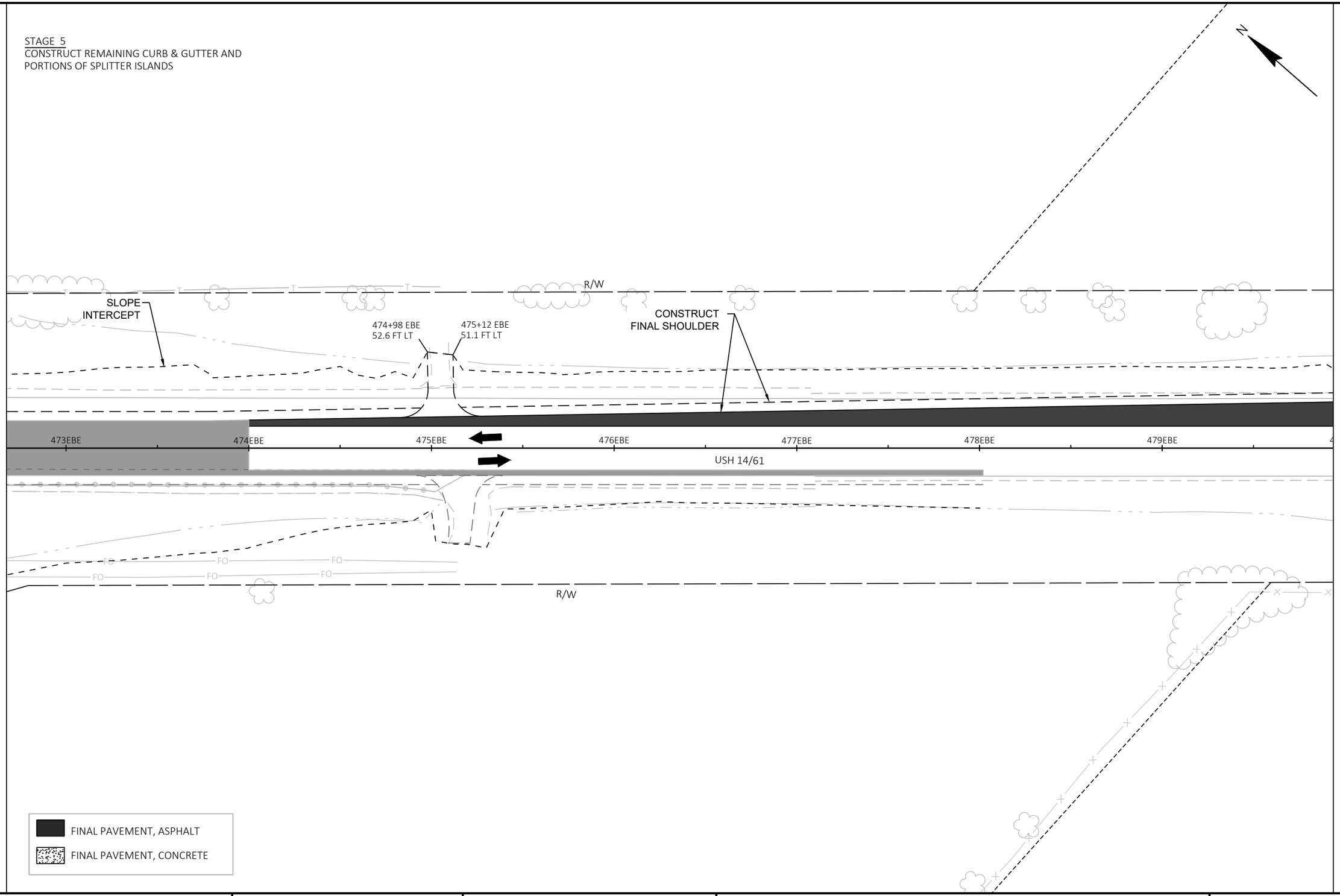
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LAYOUT NAME - 5-5

PLOT DATE : 7/28/2022 10:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 133	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-6

PLOT DATE : 7/28/2022 10:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS

N

SLOPE
INTERCEPT

CONSTRUCT
FINAL SHOULDER

R/W

480+97 EBE
32.0 FT LT

480+97 EBE
27.0 FT LT

480+97 EBE
12.0 FT LT

80EBE 481EBE 482EBE 483EBE 484EBE 485EBE 486EBE 487EBE

USH 14/61

R/W

FINAL PAVEMENT, ASPHALT

FINAL PAVEMENT, CONCRETE

2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 134	E

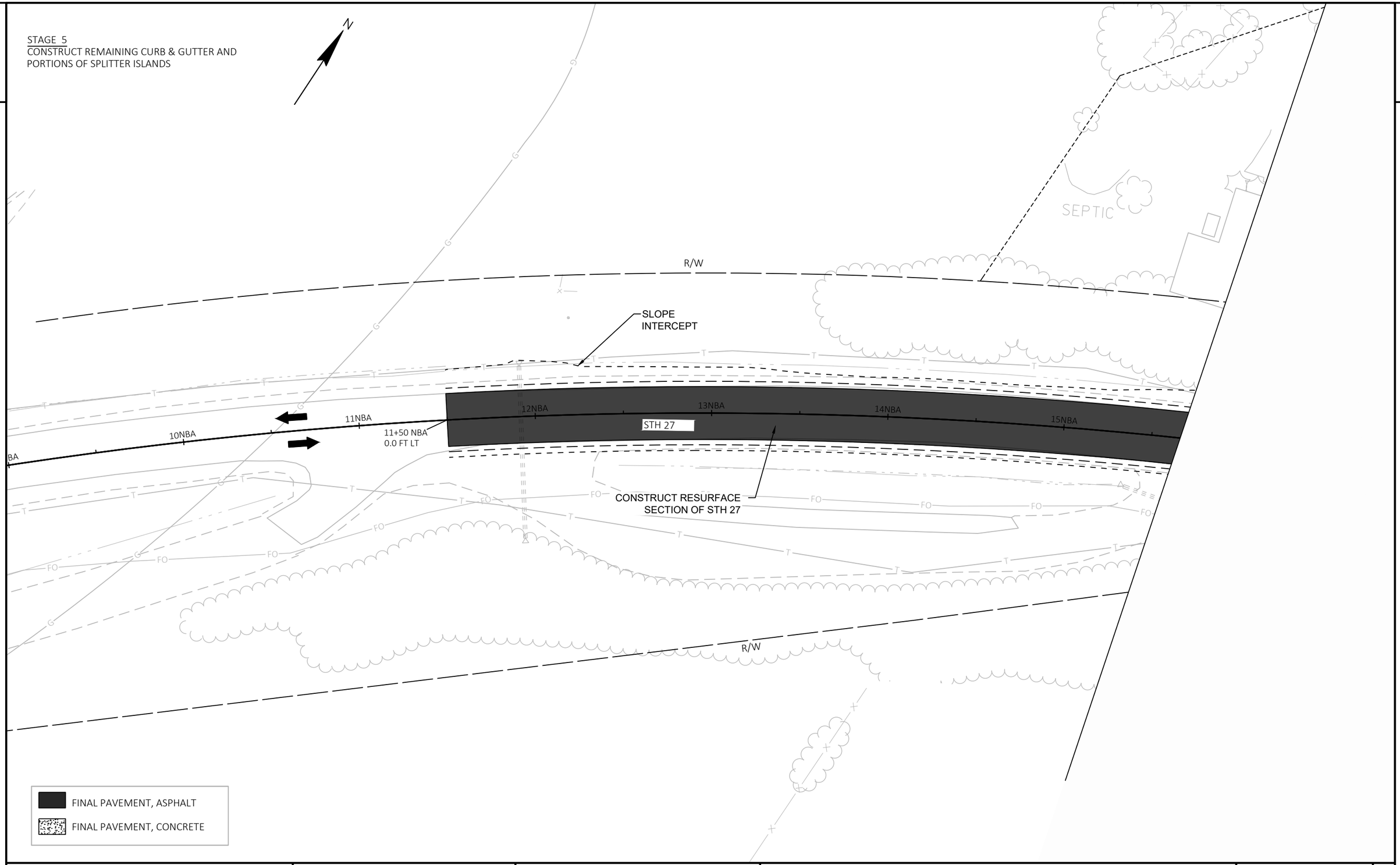
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LAYOUT NAME - 5-7

PLOT DATE : 7/28/2022 10:44 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 135	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-8

PLOT DATE : 7/28/2022 10:45 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STAGE 5
CONSTRUCT REMAINING CURB & GUTTER AND
PORTIONS OF SPLITTER ISLANDS

N

R/W

16+52 NBA
39.2 FT LT

16+41 NBA
40.8 FT LT

16+50 NBA
0.0 FT LT

16NBA
17NBA
18SBE
18NBA
19SBE
19NBA
20SBE
20NBA
21SBE
21NBA
22SBE
22NBA
STH 27

462WBE
462EBA
462EBA
463
BM 1001
43M1
465EBE

CONSTRUCT RESURFACE
SECTION OF STH 27

SLOPE
INTERCEPT

TLE

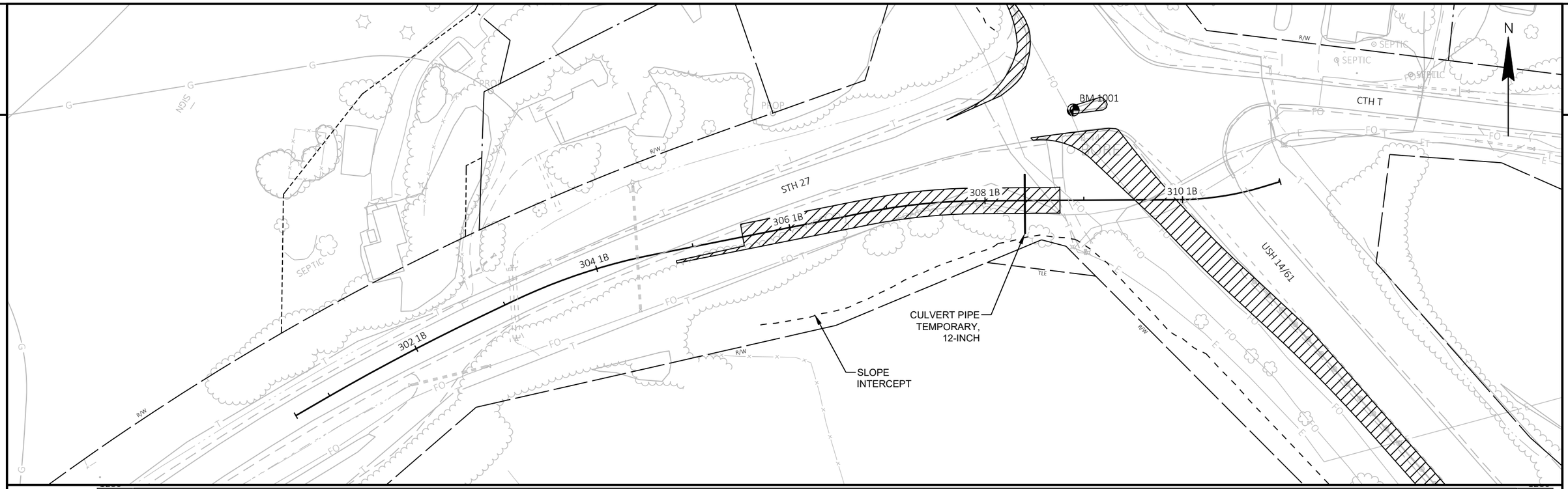
FINAL PAVEMENT, ASPHALT
FINAL PAVEMENT, CONCRETE

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	STAGING PLAN - STAGE 5	SHEET 136	E

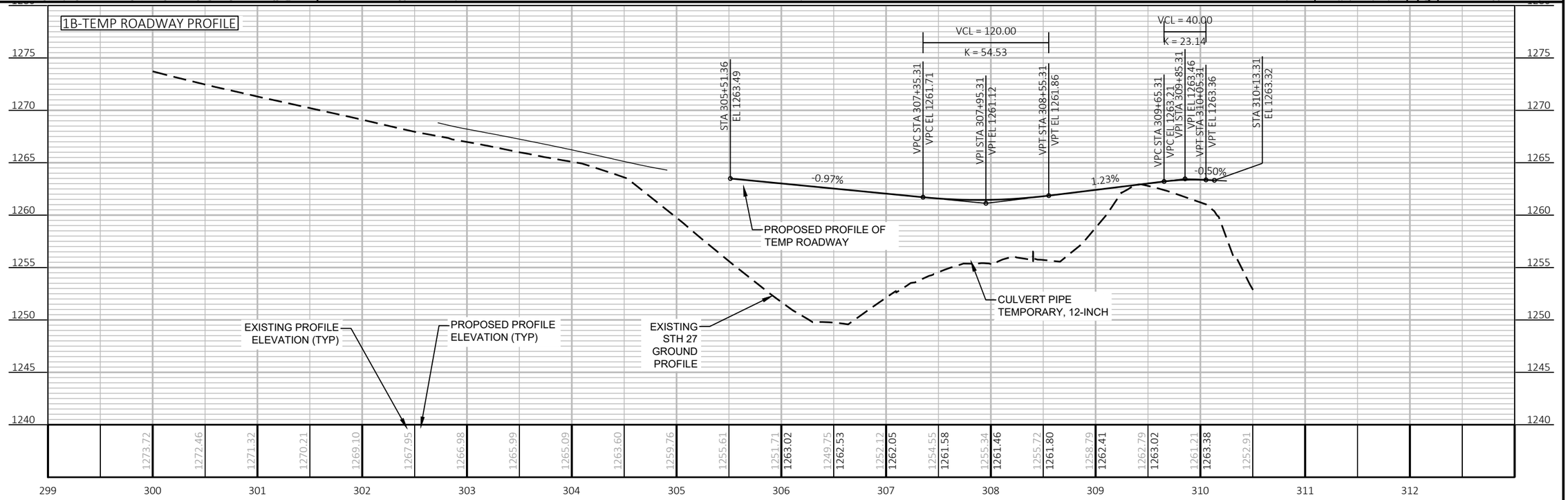
FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\026101_S5.DWG
LAYOUT NAME - 5-9

PLOT DATE : 7/28/2022 10:45 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42



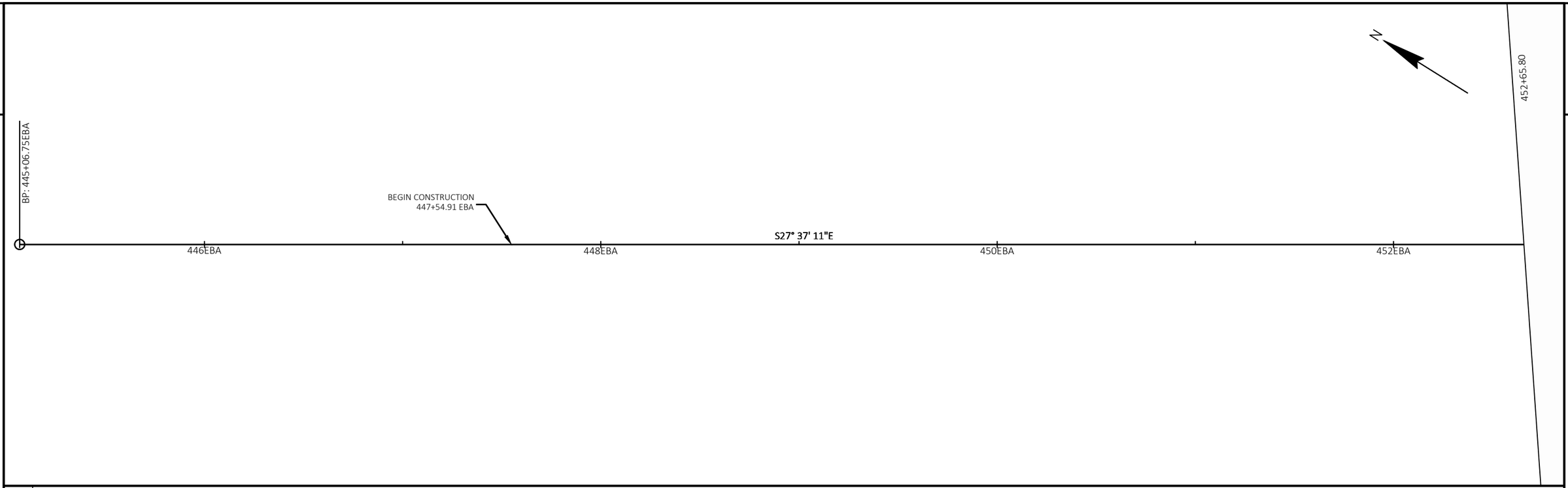
2



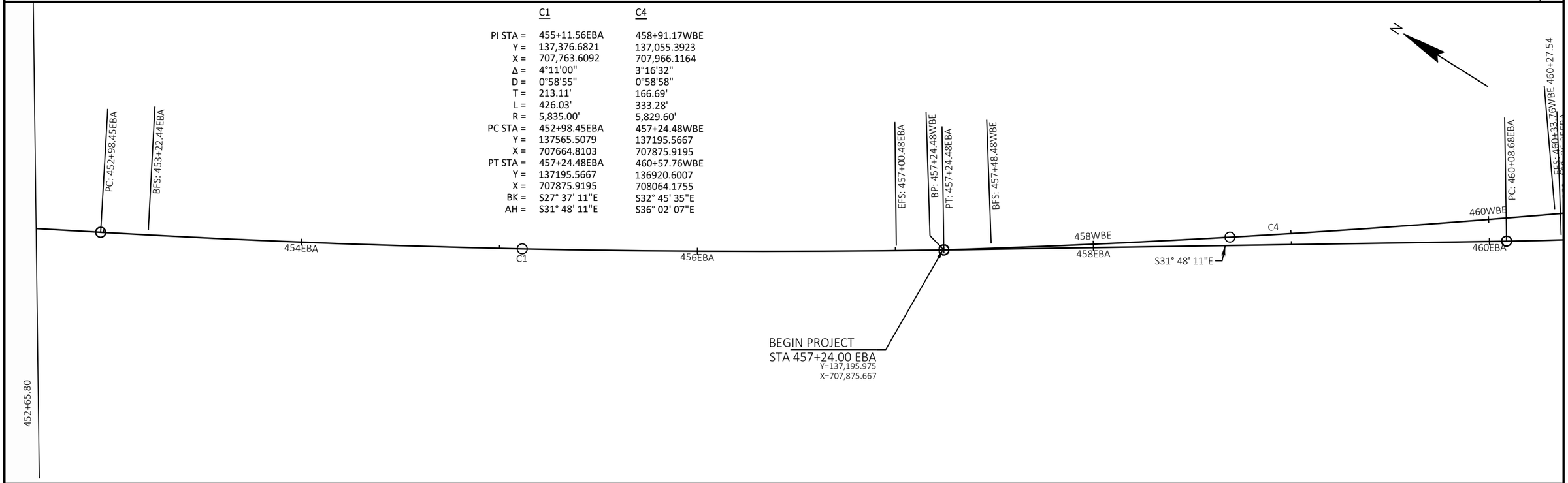
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN DETAILS -TEMPORARY ROADWAY	SHEET 137	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\021202_PD (TEMP RD).DWG
LAYOUT NAME - PD 01
PLOT DATE : 7/28/2022 9:53 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



	C1	C4
PI STA =	455+11.56EBA	458+91.17WBE
Y =	137,376.6821	137,055.3923
X =	707,763.6092	707,966.1164
Δ =	4°11'00"	3°16'32"
D =	0°58'55"	0°58'58"
T =	213.11'	166.69'
L =	426.03'	333.28'
R =	5,835.00'	5,829.60'
PC STA =	452+98.45EBA	457+24.48WBE
Y =	137565.5079	137195.5667
X =	707664.8103	707875.9195
PT STA =	457+24.48EBA	460+57.76WBE
Y =	137195.5667	136920.6007
X =	707875.9195	708064.1755
BK =	S27° 37' 11"E	S32° 45' 35"E
AH =	S31° 48' 11"E	S36° 02' 07"E



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS	SHEET 138	E

2

	C2	C3	C5	C6	C20
PI STA =	460+85.41EBA	463+03.17EBA	461+64.24WBE	463+16.90WBE	41+56.71M1
Y =	136,888.8236	136,716.3271	136,834.4986	136,738.0536	136,712.9372
X =	708,066.1319	708,199.2592	708,126.8136	708,246.7577	708,232.8755
Δ =	5°51'24"	35°09'30"	15°09'45"	9°02'26"	91°09'29"
D =	3°49'11"	52°05'13"	7°09'43"	9°32'57"	81°51'04"
T =	76.73'	34.85'	106.48'	47.43'	71.43'
L =	153.33'	67.50'	211.71'	94.67'	111.37'
R =	1,500.00'	110.00'	800.00'	600.00'	70.00'
PC STA =	460+08.68EBA	462+68.32EBA	460+57.76WBE	462+69.47WBE	40+85.28M1
Y =	136954.0334	136743.9163	136920.6007	136767.7773	136677.6550
X =	708025.6951	708177.9668	708064.1755	708209.7917	708294.9830
PT STA =	461+62.01EBA	463+35.82EBA	462+69.47WBE	463+64.14WBE	41+96.65M1
Y =	136828.0804	136681.5103	136767.7773	136702.8906	136650.1293
X =	708113.0116	708200.7802	708209.7917	708278.5939	708198.8559
BK =	S31° 48' 11"E	S37° 39' 35"E	S36° 02' 07"E	S51° 11' 52"E	N60° 23' 59"W
AH =	S37° 39' 35"E	S2° 30' 05"E	S51° 11' 52"E	S42° 09' 27"E	S28° 26' 31"W

	C19	C16	C17
PI STA =	40+53.90M1	50+88.01TEB	50+30.79TWB
Y =	136,651.0317	136,661.2180	136,642.2596
X =	708,341.8481	708,413.4716	708,366.4705
Δ =	88°50'31"	38°47'17"	34°13'20"
D =	104°10'27"	22°55'06"	57°17'45"
T =	53.90'	88.01'	30.79'
L =	85.28'	169.25'	59.73'
R =	55.00'	250.00'	100.00'
PC STA =	40+00.00M1	50+00.00TEB	50+00.00TWB
Y =	136603.6380	136614.1426	136652.1555
X =	708316.1775	708339.1099	708337.3192
PT STA =	40+85.28M1	51+69.25TEB	50+59.73TWB
Y =	136677.6550	136651.3284	136650.4716
X =	708294.9830	708500.9241	708396.1401
BK =	N28° 26' 31"E	N57° 39' 49"E	S71° 14' 57"E
AH =	N60° 23' 59"W	S83° 32' 53"E	N74° 31' 43"E

	C15	C13	C21
PI STA =	21+86.80SBE	22+19.57NBA	42+50.55M1
Y =	136,595.7522	136,593.9290	136,602.7356
X =	708,122.0828	708,156.4528	708,173.1853
Δ =	24°39'04"	27°19'52"	88°50'31"
D =	19°05'55"	52°05'13"	104°10'27"
T =	65.55'	26.74'	53.90'
L =	129.07'	52.47'	85.28'
R =	300.00'	110.00'	55.00'
PC STA =	21+21.25SBE	21+92.83NBA	41+96.65M1
Y =	136582.6304	136585.7252	136650.1293
X =	708057.8586	708130.9971	708198.8559
PT STA =	22+50.33SBE	22+45.30NBA	42+81.93M1
Y =	136634.4655	136589.5295	136576.1123
X =	708174.9809	708182.8334	708220.0504
BK =	N78° 27' 10"E	N72° 08' 13"E	S28° 26' 31"W
AH =	N53° 48' 06"E	S80° 31' 55"E	S60° 23' 59"E

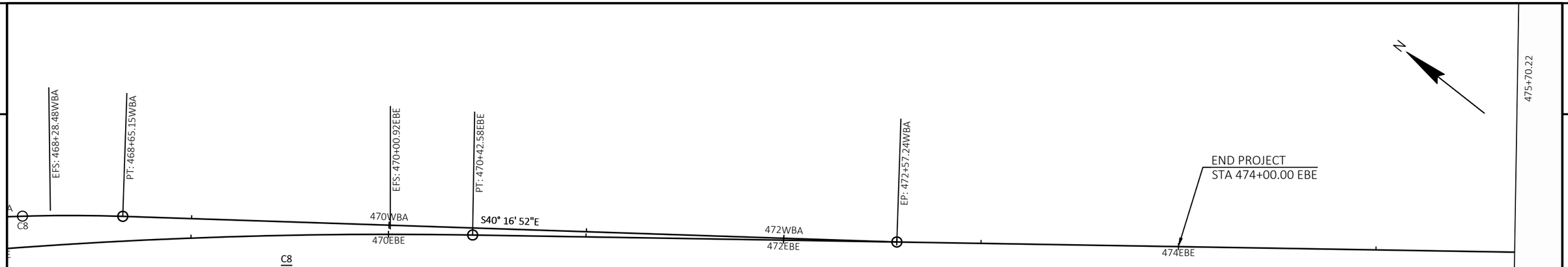
	C22	C7	C9
PI STA =	43+53.35M1	465+40.82WBA	467+62.34EBE
Y =	136,540.8352	136,532.7962	136,381.5442
X =	708,282.1490	708,321.1286	708,484.5288
Δ =	91°09'00"	42°13'03"	12°24'00"
D =	81°51'04"	52°05'13"	2°12'13"
T =	71.42'	42.46'	282.45'
L =	111.36'	81.05'	562.69'
R =	70.00'	110.00'	2,600.00'
PC STA =	42+81.93M1	464+98.35WBA	464+79.89EBE
Y =	136576.1123	136575.0765	136549.0112
X =	708220.0504	708317.1753	708257.0834
PT STA =	43+93.30M1	465+79.40WBA	470+42.58EBE
Y =	136603.6292	136504.1398	136169.1436
X =	708316.1728	708352.4665	708670.7079
BK =	S60° 23' 59"E	S5° 20' 30"E	S53° 38' 09"E
AH =	N28° 27' 01"E	S47° 33' 33"E	S41° 14' 10"E

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS	SHEET 139	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 02

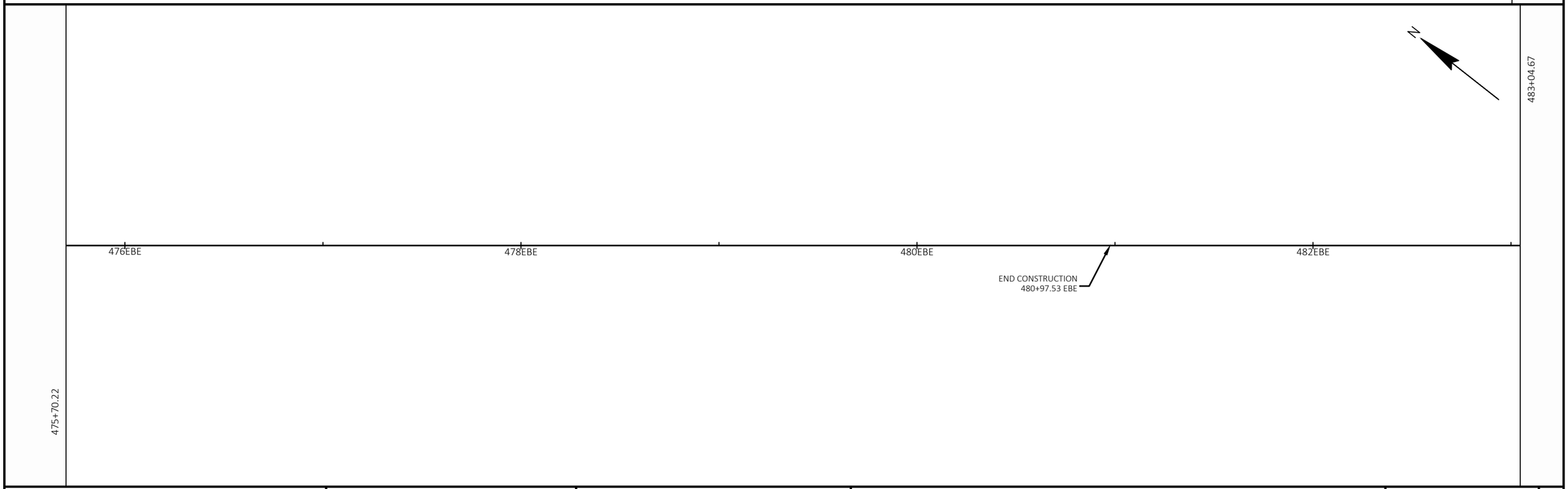
PLOT DATE : 7/28/2022 10:45 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42



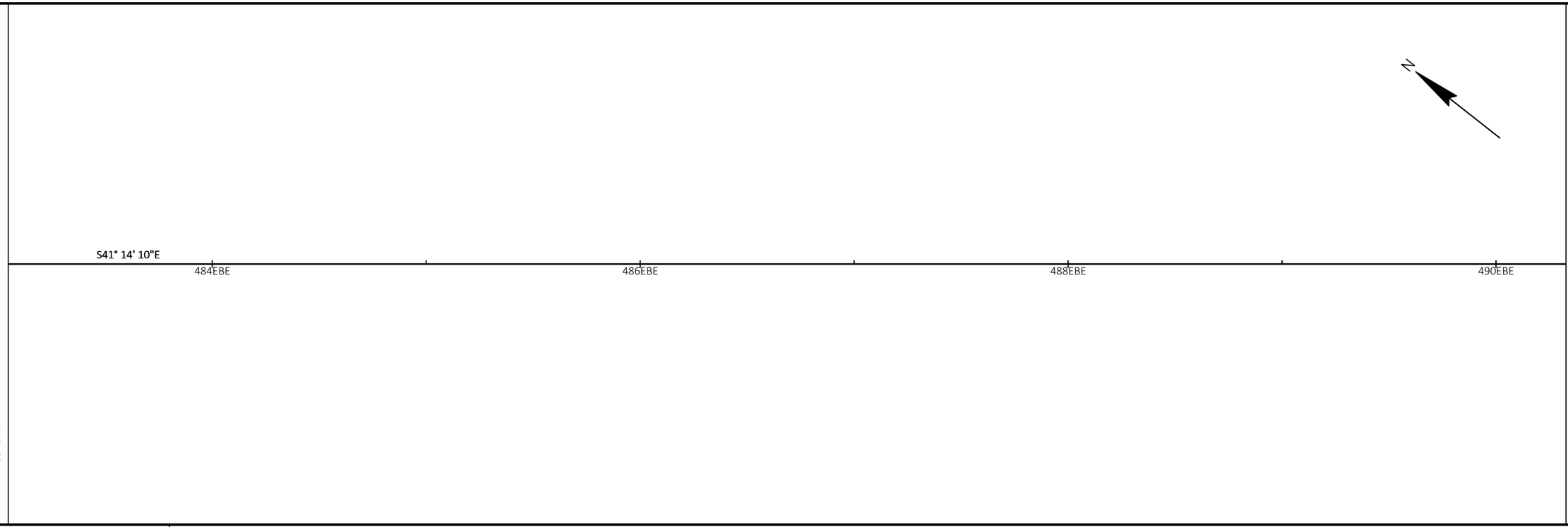
C8

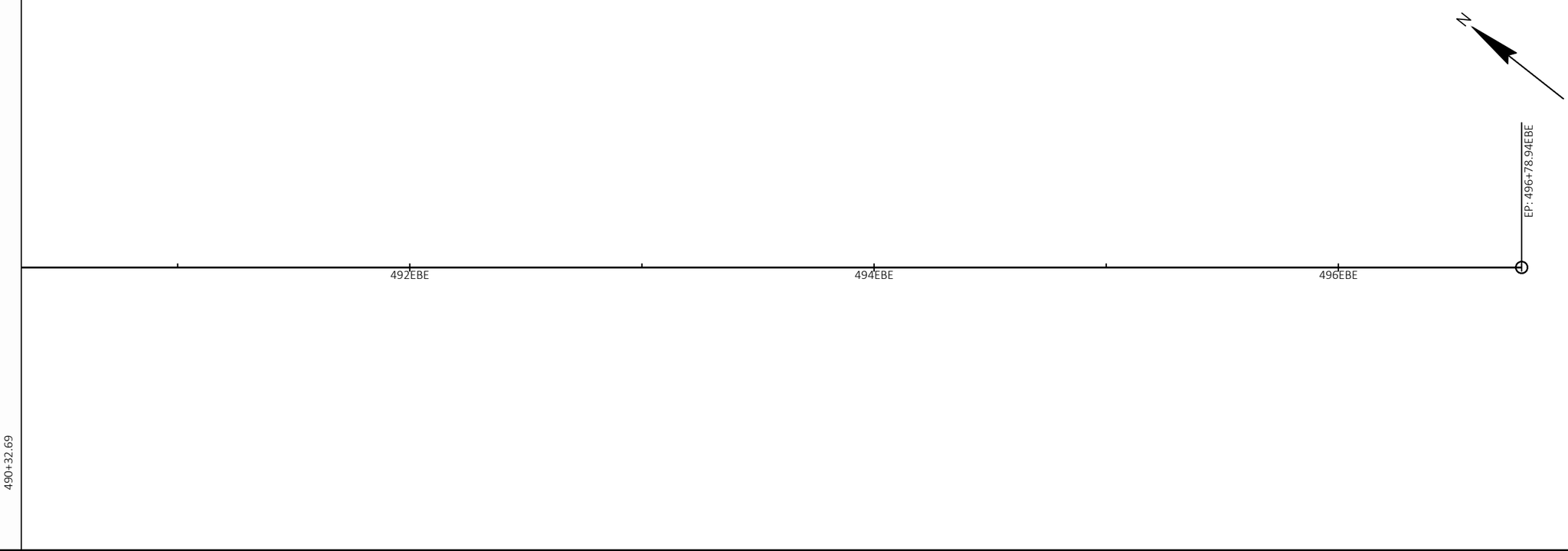
PI STA =	468+14.41WBA
Y =	136,345.5534
X =	708,525.8927
Δ =	7°16'41"
D =	7°09'43"
T =	50.88'
L =	101.62'
R =	800.00'
PC STA =	467+63.53WBA
Y =	136379.8874
X =	708488.3459
PT STA =	468+65.15WBA
Y =	136306.7395
X =	708558.7875
BK =	S47° 33' 33"E
AH =	S40° 16' 52"E



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS	SHEET 140	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - 03
PLOT DATE : 7/28/2022 10:45 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

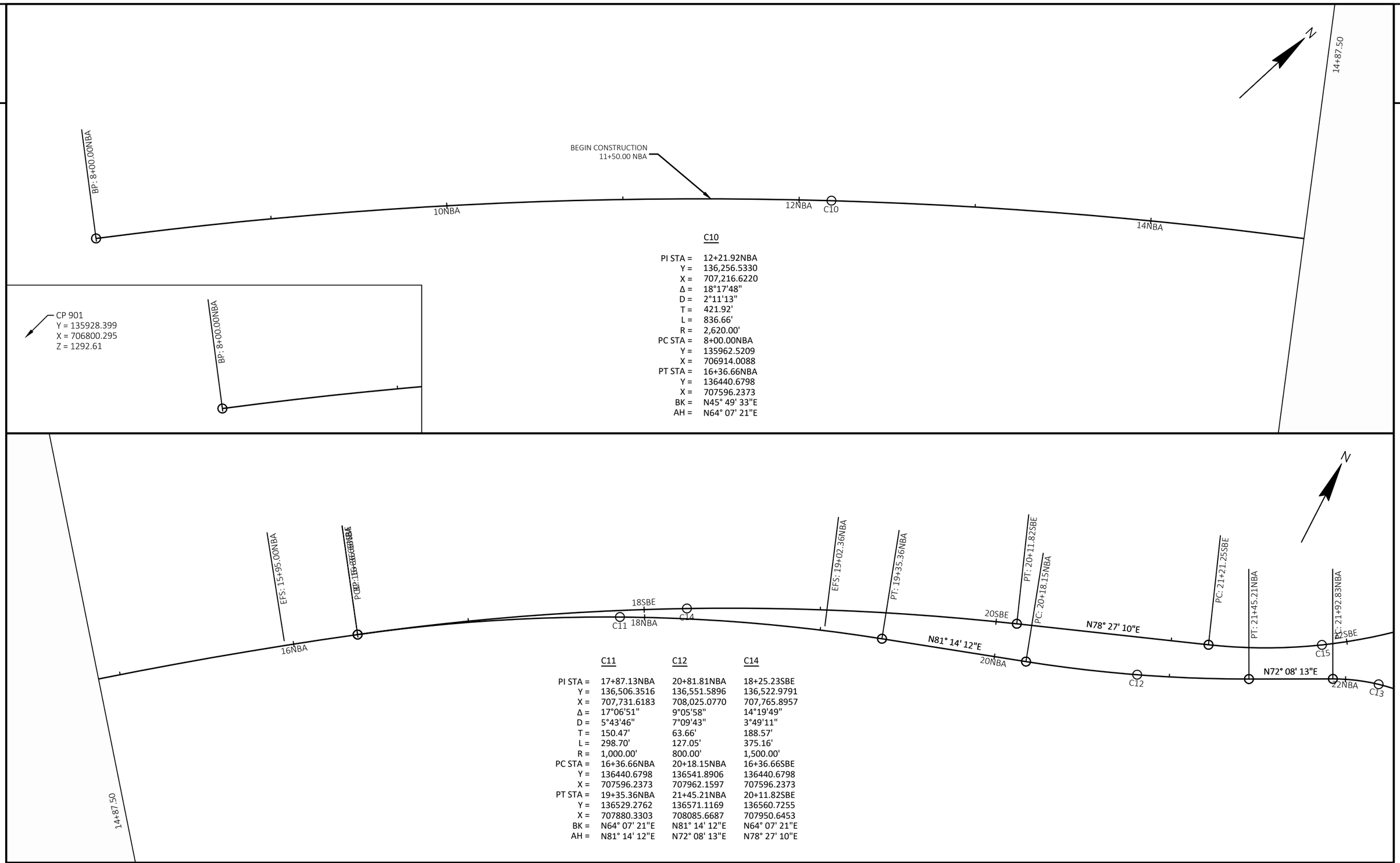




2

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS	SHEET 141	E

2

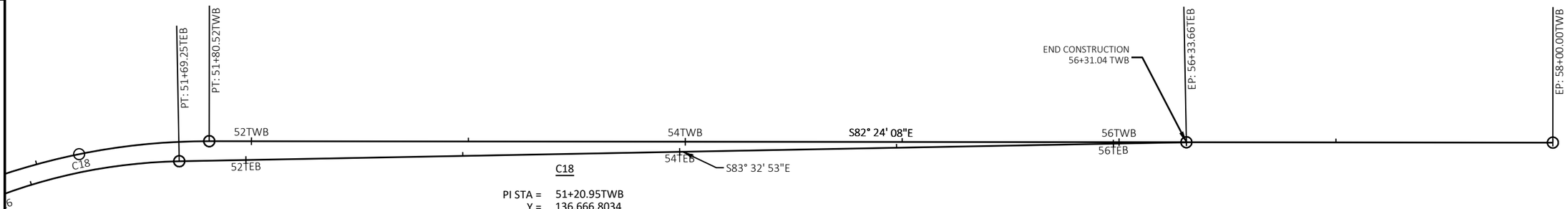


C10

PI STA =	12+21.92NBA
Y =	136,256.5330
X =	707,216.6220
Δ =	18°17'48"
D =	2°11'13"
T =	421.92'
L =	836.66'
R =	2,620.00'
PC STA =	8+00.00NBA
Y =	135962.5209
X =	706914.0088
PT STA =	16+36.66NBA
Y =	136440.6798
X =	707596.2373
BK =	N45° 49' 33"E
AH =	N64° 07' 21"E

	C11	C12	C14
PI STA =	17+87.13NBA	20+81.81NBA	18+25.23SBE
Y =	136,506.3516	136,551.5896	136,522.9791
X =	707,731.6183	708,025.0770	707,765.8957
Δ =	17°06'51"	9°05'58"	14°19'49"
D =	5°43'46"	7°09'43"	3°49'11"
T =	150.47'	63.66'	188.57'
L =	298.70'	127.05'	375.16'
R =	1,000.00'	800.00'	1,500.00'
PC STA =	16+36.66NBA	20+18.15NBA	16+36.66SBE
Y =	136440.6798	136541.8906	136440.6798
X =	707596.2373	707962.1597	707596.2373
PT STA =	19+35.36NBA	21+45.21NBA	20+11.82SBE
Y =	136529.2762	136571.1169	136560.7255
X =	707880.3303	708085.6687	707950.6453
BK =	N64° 07' 21"E	N81° 14' 12"E	N64° 07' 21"E
AH =	N81° 14' 12"E	N72° 08' 13"E	N78° 27' 10"E

2



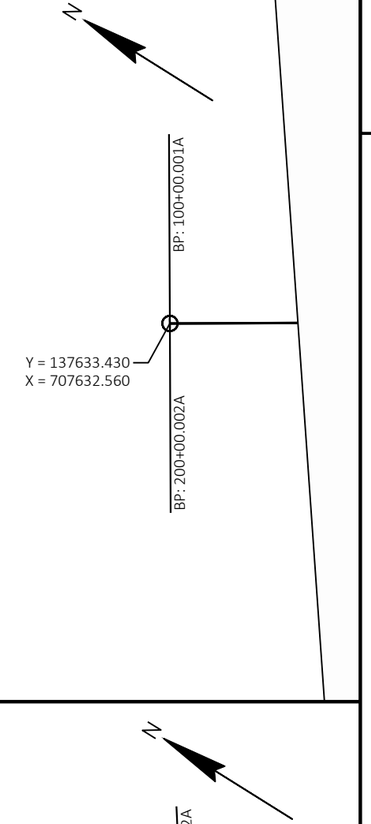


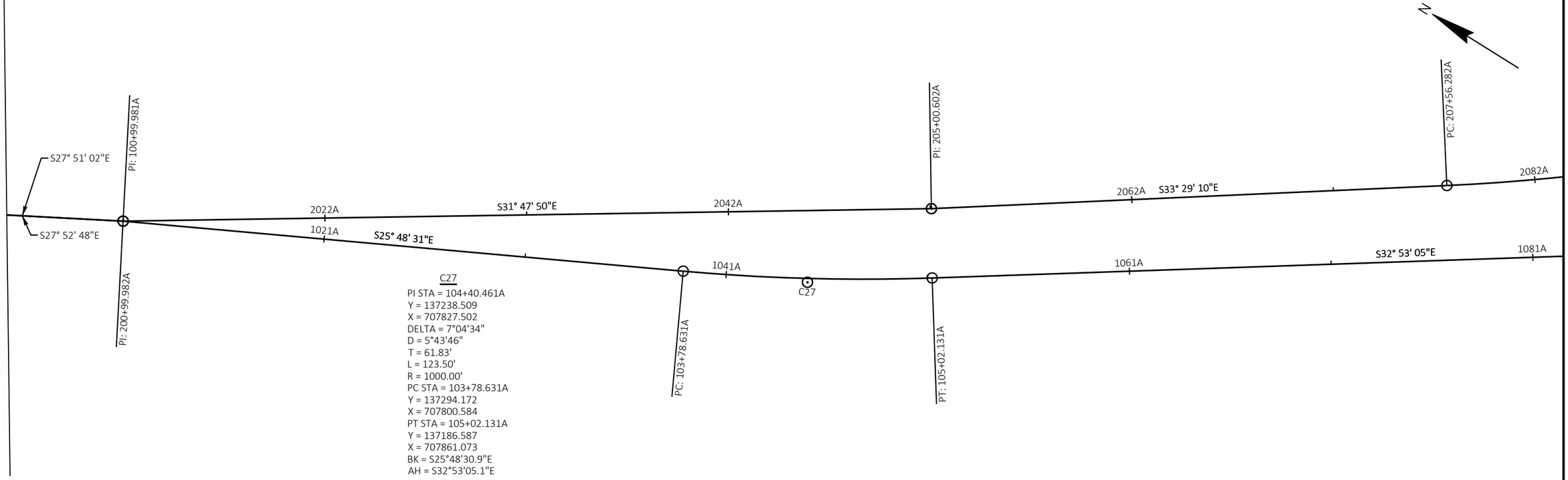
C18

PI STA =	51+20.95TWB
Y =	136,666.8034
X =	708,455.1453
Δ =	23°04'08"
D =	19°05'55"
T =	61.22'
L =	120.79'
R =	300.00'
PC STA =	50+59.73TWB
Y =	136650.4716
X =	708396.1401
PT STA =	51+80.52TWB
Y =	136658.7086
X =	708515.8314
BK =	N74° 31' 43"E
AH =	S82° 24' 08"E

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS	SHEET 143	E

2





PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS - TEMP ALIGNMENTS	SHEET 144	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - 1
PLOT DATE : 10/11/2022 8:17 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

C30
PI STA = 208+80.262A
Y = 136887.891
X = 708099.832
DELTA = 14°08'05"
D = 5°43'46"
T = 123.98'
L = 246.70'
R = 1000.00'
PC STA = 207+56.282A
Y = 136991.291
X = 708031.430
PT STA = 210+02.982A
Y = 136804.326
X = 708191.415
BK = S33°29'09.7"E
AH = S47°37'14.5"E

C28
PI STA = 212+25.052A
Y = 136654.644
X = 708355.456
DELTA = 16°48'12"
D = 5°27'24"
T = 155.08'
L = 307.94'
R = 1050.00'
PC STA = 210+69.972A
Y = 136759.175
X = 708240.897
PT STA = 213+77.902A
Y = 136521.459
X = 708434.905
BK = S47°37'14.5"E
AH = S30°49'02.3"E

C29
PI STA = 215+48.242A
Y = 136375.171
X = 708522.170
DELTA = 9°34'13"
D = 11°27'33"
T = 41.86'
L = 83.52'
R = 500.00'
PC STA = 215+06.392A
Y = 136411.117
X = 708500.727
PT STA = 215+89.902A
Y = 136343.290
X = 708549.290
BK = S30°49'02.3"E
AH = S40°23'15.5"E

N

STA 311+00.93 1B
STA 213+14.89 2A
Y = 136574.574
X = 708401.019

STA 508+40.87 3A
STA 211+16.62 2A
Y = 136726.971
X = 708274.653

EP: 311+00.931B
PT: 213+77.902A
PC: 210+69.972A
PT: 210+02.982A
PC: 215+06.392A
PC: 215+89.902A
2142A
S30° 49' 02"E
2122A
C28
C29
PT: 310+82.611B
N73° 05' 56"E
EP: 508+40.873A
S47° 37' 14"E
2102A
2082A
C30
PC: 109+72.021A
PT: 110+14.571A
PC: 110+57.061A
5083A
N59° 33' 08"E
PC: 309+95.901B
C36
PT: 113+64.721A
PC: 114+31.161A
C24
1141A
S47° 14' 06"E
3101B
1121A
1101A
S30° 26' 48"E
1081A
C26
PT: 507+35.303A
C23
STA 309+76.08 1B
STA 112+58.68 1A
N89° 39' 34"E
C32
PC: 505+94.953A
5063A
2081B
PT: 307+93.651B
C35

C26
PI STA = 109+93.301A
Y = 136774.122
X = 708127.752
DELTA = 2°26'17"
D = 5°43'46"
T = 21.28'
L = 42.55'
R = 1000.00'
PC STA = 109+72.021A
Y = 136791.992
X = 708116.199
PT STA = 110+14.571A
Y = 136755.778
X = 708138.535
BK = S32°53'05.1"E
AH = S30°26'48.2"E

C32
PI STA = 506+65.453A
Y = 136637.751
X = 708122.872
DELTA = 13°24'11"
D = 9°32'57"
T = 70.50'
L = 140.36'
R = 600.00'
PC STA = 505+94.953A
Y = 136617.086
X = 708055.468
PT STA = 507+35.303A
Y = 136673.477
X = 708183.649
BK = N72°57'18.8"E
AH = N59°33'07.8"E

C35
PI STA = 307+36.691B
Y = 136554.753
X = 708038.510
DELTA = 10°54'42"
D = 9°32'57"
T = 57.31'
L = 114.27'
R = 600.00'
PC STA = 306+79.381B
Y = 136543.571
X = 707982.305
PT STA = 307+93.651B
Y = 136555.094
X = 708095.816
BK = N78°44'51.9"E
AH = N89°39'34.2"E

C23
PI STA = 112+12.001A
Y = 136585.577
X = 708238.578
DELTA = 16°47'18"
D = 5°27'24"
T = 154.94'
L = 307.66'
R = 1050.00'
PC STA = 110+57.061A
Y = 136719.152
X = 708160.064
PT STA = 113+64.721A
Y = 136480.373
X = 708352.327
BK = S30°26'48.2"E
AH = S47°14'06.1"E

C36
PI STA = 310+39.561B
Y = 136556.555
X = 708341.718
DELTA = 16°33'38"
D = 19°05'55"
T = 43.66'
L = 86.71'
R = 300.00'
PC STA = 309+95.901B
Y = 136556.295
X = 708298.058
PT STA = 310+82.611B
Y = 136569.248
X = 708383.492
BK = N89°39'34.2"E
AH = N73°05'55.8"E

C24
PI STA = 115+07.651A
Y = 136383.322
X = 708457.261
DELTA = 5°50'19"
D = 3°49'11"
T = 76.49'
L = 152.86'
R = 1500.00'
PC STA = 114+31.161A
Y = 136435.262
X = 708401.103
PT STA = 115+84.021A
Y = 136325.939
X = 708507.844
BK = S47°14'06.1"E
AH = S41°23'46.7"E

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS - TEMP ALIGNMENTS	SHEET 145	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - 2
PLOT DATE : 10/11/2022 8:17 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

C25
PI STA = 122+13.511A
Y = 135853.723
X = 708924.105
DELTA = 2°15'37"
D = 5°43'46"
T = 19.73'
L = 39.45'
R = 1000.00'
PC STA = 121+93.781A
Y = 135868.521
X = 708911.061
PT STA = 122+33.231A
Y = 135839.451
X = 708937.723
BK = S41°23'46.7"E
AH = S43°39'23.3"E

PT: 215+89.902A
2162A
S40° 23' 15"E
2182A
PI: 219+20.252A
2202A
S40° 50' 53"E
PI: 221+55.612A
2222A

1161A
1181A
S41° 23' 47"E
1201A
1221A
C25

PT: 115+84.021A
PC: 121+93.781A
PT: 122+33.231A

N

N

S39° 01' 03"E
2242A
1241A S43° 39' 23"E

PI: 126+14.311A
1261A
2262A
S41° 16' 49"E
S41° 16' 49"E
1281A
EP: 227+98.212A
EP: 128+94.641A

Y = 135419.264
X = 709327.635

Y = 135353.079
X = 709385.739

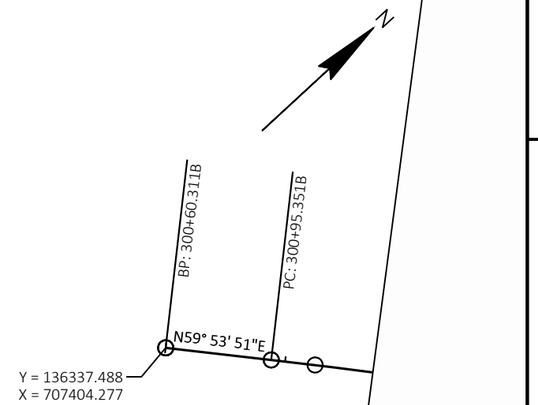
PI: 226+05.952A

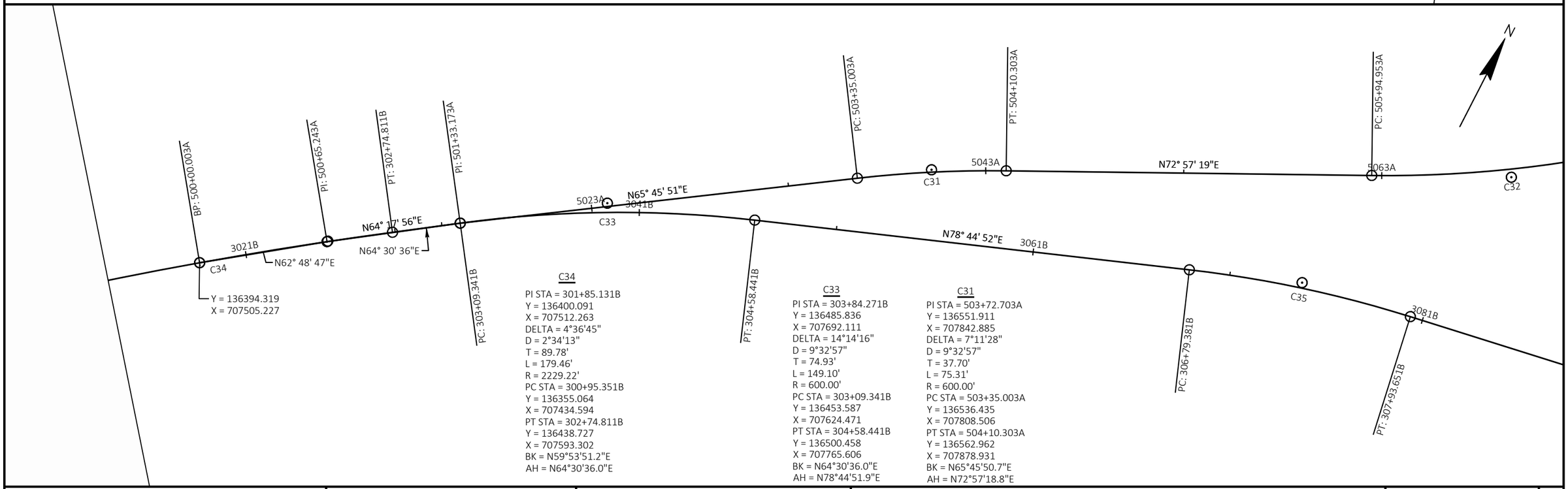
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS - TEMP ALIGNMENTS	SHEET 146	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - 3
PLOT DATE : 10/11/2022 8:17 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2





PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	ALIGNMENT DETAILS - TEMP ALIGNMENTS	SHEET 147	E

1640-04-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	25.000	25.000
0004	201.0205	Grubbing	STA	25.000	25.000
0006	203.0100	Removing Small Pipe Culverts	EACH	4.000	4.000
0008	204.0110	Removing Asphaltic Surface	SY	7,601.000	7,601.000
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	20.000	20.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	1,667.000	1,667.000
0014	204.0150	Removing Curb & Gutter	LF	665.000	665.000
0016	204.0155	Removing Concrete Sidewalk	SY	43.000	43.000
0018	204.0165	Removing Guardrail	LF	890.000	890.000
0020	204.0185	Removing Masonry	CY	14.000	14.000
0022	204.0270	Abandoning Culvert Pipes	EACH	1.000	1.000
0024	205.0100	Excavation Common	CY	21,855.000	21,855.000
0026	205.0200	Excavation Rock	CY	3,658.000	3,658.000
0028	208.0100	Borrow	CY	31,093.000	31,093.000
0030	213.0100	Finishing Roadway (project) 01. 1640-04-72	EACH	1.000	1.000
0032	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,276.000	1,276.000
0034	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	21,347.000	21,347.000
0036	305.0500	Shaping Shoulders	STA	10.000	10.000
0038	310.0110	Base Aggregate Open-Graded	TON	122.000	122.000
0040	312.0110	Select Crushed Material	TON	18,900.000	18,900.000
0042	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	10.000	10.000
0044	405.0100	Coloring Concrete WisDOT Red	CY	639.000	639.000
0046	415.0090	Concrete Pavement 9-Inch	SY	5,693.000	5,693.000
0048	415.4100	Concrete Pavement Joint Filling	SY	10,331.000	10,331.000
0050	415.6000.S	Rout and Seal	LF	607.000	607.000
0052	416.0180	Concrete Driveway 8-Inch	SY	14.000	14.000
0054	416.0512	Concrete Truck Apron 12-Inch	SY	1,141.000	1,141.000
0056	416.1010	Concrete Surface Drains	CY	29.000	29.000
0058	450.4000	HMA Cold Weather Paving	TON	701.000	701.000
0060	455.0605	Tack Coat	GAL	499.000	499.000
0062	460.2000	Incentive Density HMA Pavement	DOL	1,625.000	1,625.000
0064	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,398.000	1,398.000
0066	460.6424	HMA Pavement 4 MT 58-28 H	TON	1,141.000	1,141.000
0068	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	39.000	39.000
0070	465.0125	Asphaltic Surface Temporary	TON	1,704.000	1,704.000
0072	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	4.000	4.000
0074	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	1.000	1.000
0076	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000	2.000
0078	520.2012	Culvert Pipe Temporary 12-Inch	LF	60.000	60.000
0080	520.2036	Culvert Pipe Temporary 36-Inch	LF	12.000	12.000
0082	520.3324	Culvert Pipe Class III-A 24-Inch	LF	105.000	105.000
0084	520.8000	Concrete Collars for Pipe	EACH	5.000	5.000
0086	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	1.000	1.000
0088	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	29.000	29.000
0090	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	24.000	24.000
0092	522.0172	Culvert Pipe Reinforced Concrete Class III 72-Inch	LF	16.000	16.000
0094	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0096	522.1072	Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH	2.000	2.000
0098	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	221.000	221.000

1640-04-72

Line	Item	Item Description	Unit	Total	Qty
0100	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,759.000	2,759.000
0102	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	147.000	147.000
0104	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	1,444.000	1,444.000
0106	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	810.000	810.000
0108	602.0410	Concrete Sidewalk 5-Inch	SF	16,497.000	16,497.000
0110	603.8000	Concrete Barrier Temporary Precast Delivered	LF	2,190.000	2,190.000
0112	603.8125	Concrete Barrier Temporary Precast Installed	LF	2,190.000	2,190.000
0114	606.0200	Riprap Medium	CY	71.000	71.000
0116	608.0005	Storm Sewer Rock Excavation	CY	10.000	10.000
0118	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	369.000	369.000
0120	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	319.000	319.000
0122	611.0624	Inlet Covers Type H	EACH	1.000	1.000
0124	611.0627	Inlet Covers Type HM	EACH	1.000	1.000
0126	611.0639	Inlet Covers Type H-S	EACH	4.000	4.000
0128	611.0642	Inlet Covers Type MS	EACH	4.000	4.000
0130	611.0652	Inlet Covers Type T	EACH	3.000	3.000
0132	611.3004	Inlets 4-FT Diameter	EACH	5.000	5.000
0134	611.3230	Inlets 2x3-FT	EACH	4.000	4.000
0136	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
0138	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0140	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0142	612.0106	Pipe Underdrain 6-Inch	LF	2,684.000	2,684.000
0144	614.0905	Crash Cushions Temporary	EACH	4.000	4.000
0146	614.2300	MGS Guardrail 3	LF	288.000	288.000
0148	614.2610	MGS Guardrail Terminal EAT	EACH	2.000	2.000
0150	616.0700.S	Fence Safety	LF	220.000	220.000
0152	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1640-04-72	EACH	1.000	1.000
0154	619.1000	Mobilization	EACH	1.000	1.000
0156	624.0100	Water	MGAL	462.000	462.000
0158	625.0100	Topsoil	SY	1,875.000	1,875.000
0160	625.0500	Salvaged Topsoil	SY	39,259.000	39,259.000
0162	628.1504	Silt Fence	LF	3,010.000	3,010.000
0164	628.1520	Silt Fence Maintenance	LF	6,020.000	6,020.000
0166	628.1905	Mobilizations Erosion Control	EACH	15.000	15.000
0168	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0170	628.2008	Erosion Mat Urban Class I Type B	SY	22,865.000	22,865.000
0172	628.2027	Erosion Mat Class II Type C	SY	18,272.000	18,272.000
0174	628.7005	Inlet Protection Type A	EACH	4.000	4.000
0176	628.7010	Inlet Protection Type B	EACH	2.000	2.000
0178	628.7015	Inlet Protection Type C	EACH	5.000	5.000
0180	628.7504	Temporary Ditch Checks	LF	57.000	57.000
0182	628.7555	Culvert Pipe Checks	EACH	169.000	169.000
0184	628.7570	Rock Bags	EACH	218.000	218.000
0186	629.0210	Fertilizer Type B	CWT	27.000	27.000
0188	630.0120	Seeding Mixture No. 20	LB	1,020.000	1,020.000
0190	630.0140	Seeding Mixture No. 40	LB	62.000	62.000
0192	630.0200	Seeding Temporary	LB	1,112.000	1,112.000
0194	630.0500	Seed Water	MGAL	883.000	883.000
0196	633.5200	Markers Culvert End	EACH	10.000	10.000

1640-04-72

Line	Item	Item Description	Unit	Total	Qty
0198	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	6.000	6.000
0200	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	22.000	22.000
0202	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	14.000	14.000
0204	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	4.000	4.000
0206	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	5.000	5.000
0208	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	8.000	8.000
0210	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	8.000	8.000
0212	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	15.000	15.000
0214	637.2210	Signs Type II Reflective H	SF	845.000	845.000
0216	637.2230	Signs Type II Reflective F	SF	97.000	97.000
0218	638.2102	Moving Signs Type II	EACH	34.000	34.000
0220	638.2602	Removing Signs Type II	EACH	36.000	36.000
0222	638.3000	Removing Small Sign Supports	EACH	48.000	48.000
0224	642.5201	Field Office Type C	EACH	1.000	1.000
0226	643.0300	Traffic Control Drums	DAY	27,621.000	27,621.000
0228	643.0420	Traffic Control Barricades Type III	DAY	3,539.000	3,539.000
0230	643.0705	Traffic Control Warning Lights Type A	DAY	6,083.000	6,083.000
0232	643.0715	Traffic Control Warning Lights Type C	DAY	1,620.000	1,620.000
0234	643.0900	Traffic Control Signs	DAY	19,661.000	19,661.000
0236	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000
0238	643.1050	Traffic Control Signs PCMS	DAY	142.000	142.000
0240	643.3105	Temporary Marking Line Paint 4-Inch	LF	17,125.000	17,125.000
0242	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	19,930.000	19,930.000
0244	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	82.000	82.000
0246	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	54.000	54.000
0248	643.5000	Traffic Control	EACH	1.000	1.000
0250	645.0111	Geotextile Type DF Schedule A	SY	1,195.000	1,195.000
0252	645.0120	Geotextile Type HR	SY	267.000	267.000
0254	646.1020	Marking Line Epoxy 4-Inch	LF	16,987.000	16,987.000
0256	646.3020	Marking Line Epoxy 8-Inch	LF	372.000	372.000
0258	646.5120	Marking Word Epoxy	EACH	4.000	4.000
0260	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	80.000	80.000
0262	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	16,987.000	16,987.000
0264	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	372.000	372.000
0266	646.7120	Marking Diagonal Epoxy 12-Inch	LF	219.000	219.000
0268	646.9000	Marking Removal Line 4-Inch	LF	8,294.000	8,294.000
0270	646.9100	Marking Removal Line 8-Inch	LF	855.000	855.000
0272	646.9200	Marking Removal Line Wide	LF	20.000	20.000
0274	650.4000	Construction Staking Storm Sewer	EACH	49.000	49.000
0276	650.4500	Construction Staking Subgrade	LF	9,383.000	9,383.000
0278	650.5000	Construction Staking Base	LF	9,383.000	9,383.000
0280	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	269.000	269.000
0282	650.6000	Construction Staking Pipe Culverts	EACH	8.000	8.000
0284	650.8000	Construction Staking Resurfacing Reference	LF	500.000	500.000
0286	650.8501	Construction Staking Electrical Installations (project) 01. 1640-04-72	EACH	1.000	1.000
0288	650.9911	Construction Staking Supplemental Control (project) 01. 1640-04-72	EACH	1.000	1.000
0290	650.9920	Construction Staking Slope Stakes	LF	5,505.000	5,505.000
0292	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,910.000	1,910.000
0294	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	77.000	77.000

1640-04-72

Line	Item	Item Description	Unit	Total	Qty
0296	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	20.000	20.000
0298	654.0105	Concrete Bases Type 5	EACH	16.000	16.000
0300	654.0224	Concrete Control Cabinet Bases Type L24	EACH	1.000	1.000
0302	655.0610	Electrical Wire Lighting 12 AWG	LF	7,843.000	7,843.000
0304	655.0615	Electrical Wire Lighting 10 AWG	LF	2,577.000	2,577.000
0306	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. 465+14 WBA	EACH	1.000	1.000
0308	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	16.000	16.000
0310	657.0322	Poles Type 5-Aluminum	EACH	16.000	16.000
0312	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	16.000	16.000
0314	659.1120	Luminaires Utility LED B	EACH	16.000	16.000
0316	659.2124	Lighting Control Cabinets 120/240 24-Inch	EACH	1.000	1.000
0318	690.0150	Sawing Asphalt	LF	6,926.000	6,926.000
0320	690.0250	Sawing Concrete	LF	75.000	75.000
0322	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	1,828.000	1,828.000
0324	740.0440	Incentive IRI Ride	DOL	1,350.000	1,350.000
0326	999.1501.S	Crack and Damage Survey	EACH	5.000	5.000
0328	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,000.000	1,000.000
0330	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	500.000	500.000
0332	SPV.0060	Special 01. Construction Staking Roundabout USH 14/61, STH 27	EACH	1.000	1.000
0334	SPV.0060	Special 02. Temporary Connect to Existing Structure	EACH	1.000	1.000

REMOVING CULVERTS

STAGE	STATION	LT/RT	LENGTH LF	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204..0185 REMOVING MASONRY CY	204.0270 ABANDONING CULVERT PIPES EACH	REMARKS
2	50+65 TEB	CL	54	1	-	-	RD CULVERT, 18-INCH
	52+21 TEB	LT	52	1	-	-	DRIVEWAY, 18-INCH
	53+00 TEB	RT	55	1	-	-	RD CULVERT, 18-INCH
	54+45 TEB	CL	68	1	-	-	RD CULVERT, 18-INCH
	16+55 NBA	RT	-	-	7	-	MASONRY ENDWALL
	SUBTOTAL STAGE 2			4	7	0	
3	16+83 NBA	LT	-	-	7	-	MASONRY ENDWALL
	SUBTOTAL STAGE 3			0	7	0	
4	307+80 1B	-	60	-	-	1	TEMP CULVERT, UNDER TEMP RD
	SUBTOTAL STAGE 4			0	0	1	
	PROJECT TOTAL			**4**	**14**	**1**	

CLEARING & GRUBBING

STAGE	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
1	457+00 EBA - 463+00 EBA	RT	6	6
	460+00 WBE - 463+00 WBE	LT	3	3
	468+00 EBE - 471+00 EBE	RT	3	3
	468+00 WBA - 472+00 WBA	LT	4	4
	16+00 NBA - 23+00 NBA	RT	7	7
	53+00 TWB - 55+00 TWB	LT	2	2
	SUBTOTAL STAGE 1		25	25
	PROJECT TOTAL		**25**	**25**

REMOVING GUARDRAIL

STAGE	STATION - STATION	204.0165 REMOVING GUARDRAIL LF	REMARKS
1	466+13 EBE - 475+02 EBE, RT	890	USH 14/61 EB
	PROJECT TOTAL	**890**	

REMOVALS

STAGE	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	REMARKS
1	NW QUAD	-	-	-	444	-	
	SW QUAD	-	-	-	73	43	STH 27 ISLAND
	SUBTOTAL STAGE 1	0	0	0	517	43	
2	NE QUAD	-	-	-	49	-	NE CORNER
	SE QUAD	-	-	-	99	-	SE CORNER
	SUBTOTAL STAGE 2	0	0	0	148	0	
4	USH 14, STH 27 LEGS	4370	-	-	-	-	TEMP PAVT AREAS
	SUBTOTAL STAGE 4	4370	0	0	0	0	
5	11+50 NBA - 16+50 NBA	-	20	1667	-	-	STH 27, RESURFACE
	USH 14, STH 27 LEGS	3231	-	-	-	-	TEMP PAVT AREAS
	SUBTOTAL STAGE 5	3231	20	1667	0	0	
	PROJECT TOTAL	**7601**	**20**	**1667**	**665**	**43**	

DRIVEWAY ITEMS

STAGE	STATION	LT/RT	*305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)	REMARKS
2	52+14 TWB	LT	23	15	ASPH
	SUBTOTAL STAGE 2		23	15	
4	475+18 EBE	RT	25	-	AGG
	SUBTOTAL STAGE 4		25	0	
5	449+57 EBA	LT	31	-	AGG
	456+95 EBA	LT	27	13	ASPH
	458+00 EBA	LT	22	-	AGG
	475+05 EBE	LT	23	-	AGG
	16+50 NBA	LT	24	11	ASPH
			127	24	
	PROJECT TOTALS		**175**	**39**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

EARTHWORK SUMMARY (PROJECT ID 1640-04-72)

CATEGORY 0010

SUBSTAGE	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	205.0200 ROCK EXCAVATION (5)	EXPANDED ROCK BACKFILL (6) FACTOR 1.10	UNEXPANDED FILL	EXPANDED FILL (7) FACTOR 1.25	MASS ORDINATE +/- (8)	WASTE	208.0100 BORROW	COMMENT:
1	103+13'1A' - 110+25'1A'	USH 14 TEMP WIDENING	492	10	482	1,074	1,181	120	150	1,513			
	112+00'1A' - 125+00'1A'	USH 14 TEMP WIDENING	426	18	408	0	0	13,667	17,084	-16,676			
	304+91'1B' - 308+71'1B'	STH 27 TEMP ROADWAY	7	0	7	0	0	9,461	11,826	-11,819			
		STAGE 1 SUBTOTALS	925	28	897	1,074	1,181	23,248	29,060	-26,982	0	26,982	
2	460+50'WBE' - 463+60'WBE'	USH 14 'WBE'	1,091	52	1,039	2,584	2,842	76	95	3,786			
	465+17'WBA' - 467+00'WBA'	USH 14 'WBA'	763	45	718	0	0	63	79	639			
	467+00 'EBE' - 474+00 'EBE'	USH 14 'EBE'	2,745	220	2,525	0	0	24	30	2,495			
	16+50'NBA' - 19+10'NBA'	STH 27 'NBA'	576	30	546	0	0	2,982	3,728	-3,182			
	50+20'TEB' - 56+30'TEB'	CTH T 'TEB'	2,096	122	1,974	0	0	3,551	4,439	-2,465			
	50+20'TWB' - 50+50'TWB'	CTH T 'TWB'	11	8	3	0	0	54	68	-65			
	41+64'M1' - 43+62'M1'	ROUNDABOUT	334	240	94	0	0	210	263	-169			(9)
	205+00'2A' - 212+09'2A'	USH 14 TEMP WIDENING	0	0	0	0	0	51	64	-64			
	212+75'2A' - 222+23'2A'	USH 14 TEMP WIDENING	365	117	248	0	0	4,269	5,336	-5,088			
		STAGE 2 SUBTOTALS	7,981	834	7,147	2,584	2,842	11,280	14,100	-4,111	0	4,111	
3	455+24'EBA' - 463+00'EBA'	USH 14 'EBA'	2,315	281	2,034	0	0	23	29	2,005			
	16+50'NBA' - 19+50'NBA'	STH 27 'NBA'	974	53	921	0	0	22	28	894			
	19+50'SBE' - 22+30'SBE'	STH 27 'SBE'	547	36	511	0	0	113	141	370			
	41+64'M1' - 42+29'M1'	ROUNDABOUT	220	61	159	0	0	0	0	159			(9)
		STAGE 3 SUBTOTALS	4,056	431	3,625	0	0	158	198	3,428	3,428	0	
4	464+90'EBE' - 478+00'EBE'	USH 14 'EBE'	3,690	243	3,447	0	0	625	781	2,666			
	19+10'NBA' - 22+45'NBA'	STH 27 'NBA'	481	0	481	0	0	588	735	-254			
	41+63'M1' - 43+61'M1'	ROUNDABOUT	628	59	569	0	0	726	908	-339			(9)
		STAGE 4 SUBTOTALS	4,799	302	4,497	0	0	1,939	2,424	2,073	2,073	0	
5	447+55'EBA' - 457+24'EBA'	USH 14 'EBA'	1,724	179	1,545	0	0	0	0	1,545			
	474+00'EBE' - 480+97'EBE'	USH 14 'EBE'	1,405	151	1,254	0	0	12	15	1,239			
	19+50'SBE' - 22+30'SBE'	STH 27 'SBE'	965	93	872	0	0	8	10	862			
		STAGE 5 SUBTOTALS	4,094	423	3,671	0	0	20	25	3,646	3,646	0	
		PROJECT TOTALS	21,855			3,658				-21,945		31,093	

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT . ITEM NUMBER 205.0100

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

(3) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(5) TOTAL ROCK EXCAVATION IS THE ROCK EXCAVATION ITEM NUMBER 205.0200. ROCK EXCAVATION PAID UNDER THIS ITEM IS ONLY FOR EXCAVATION TO FINAL FINISHED GRADES SHOWN ON THE CROSS SECTIONS. ROCK FOR STORM SEWER IS TABULATED SEPARATELY.

(6) EXPANDED ROCK FACTOR = 1.10

(7) EXPANDED FILL FACTOR = 1.25

DEPENDING ON SELECTIONS:

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

(9) THE CUT AND FILL VALUES WERE OBTAINED FROM A SURFACE TO SURFACE VOLUMN COMPUTATION.

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+50 1A - 111+00 1A	30	703	-	15	TEMP PAVEMENT AREAS, USH 14
	111+00 1A - 126+00 1A	43	2157	-	44	TEMP PAVEMENT AREAS, USH 14
	304+00 1B - 309+00 1A	26	868	-	18	TEMP PAVEMENT AREAS, STH 27
	SUBTOTAL STAGE 1	99	3728	0	77	
2	202+00 2A - 212+50 2A	29	868	-	18	TEMP PAVEMENT AREAS, USH 14
	212+50 2A - 222+50 2A	28	1762	-	36	TEMP PAVEMENT AREAS, USH 14
	CENTER ISLAND	-	172	412	4	CENTER ISLAND
	50+08 TWB - 51+87 TWB	-	345	779	7	CTH T, CONC.
	51+87 TWB - 56+31 TWB	44	1489	1515	31	CTH T, HMA
	457+24 EBA - 460+08 EBA	-	440	452	9	USH 14, HMA
	460+08 EBA - 468+73 EBE	-	1316	3157	27	USH 14, CONC.
	468+73 EBE - 474+00 EBE	-	719	740	15	USH 14, HMA
	16+50 NBA - 19+10 NBA	23	499	537	11	STH 27, HMA
	SUBTOTAL STAGE 2	124	7610	7592	158	
3	462+26 EBA - 463+30 EBA	-	201	-	5	TEMP PAVEMENT AREAS, USH 14
	502+41 3A - 507+48 3A	10	306	-	7	TEMP PAVEMENT AREAS, STH 27
	455+24 EBA - 460+08 EBA	63	594	767	14	USH 14, HMA
	460+08 EBA - 463+35 EBA	-	345	827	7	USH 14, CONC.
	16+50 NBA - 19+10 NBA	16	411	452	9	STH 27, HMA
	19+10 NBA - 22+45 NBA	-	306	733	7	STH 27, CONC.
	SUBTOTAL STAGE 3	89	2163	2779	49	
4	CENTER ISLAND	-	172	412	4	CENTER ISLAND
	464+80 EBE - 468+73 EBE	54	1111	1703	24	USH 14, CONC & SPLITTER ISLAND
	468+73 EBE - 478+02 EBE	213	1805	1494	41	USH 14, HMA
	18+38 NBA - 22+45 NBA	-	937	1372	19	STH 27 CONC & SPLITTER ISLAND
	SUBTOTAL STAGE 4	267	4025	4981	88	
5	447+00 EBA - 461+80 EBA	227	1141	774	28	USH 14, WB SHOULDER
	NW QUAD	-	136	325	3	NW QUAD, C&G AND TRUCK APRON
	460+12 EBA - 463+30 EBA	-	587	795	12	SPLITTER ISLAND & WB OUTSIDE CURB
	465+25 EBE - 466+40 EBE	-	197	202	4	SE QUAD, C&G AND TRUCK APRON
	466+40 EBE - 480+98 EBE	185	1716	1296	39	USH 14, WB SHOULDER & CURB
	11+50 NBA - 19+08 NBA	110	-	-	3	STH 27 RESURFACE AREA SHOULDER
	50+08 TEB - 50+46 TEB	-	44	64	1	CTH T
	SUBTOTAL STAGE 5	522	3821	3456	90	
	PROJECT TOTAL	**1101**	**21347**	**18808**	**462**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE PAVEMENT ITEMS

STAGE	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0090 CONCRETE PAVEMENT 9-INCH SY	*415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.6000.S ROUT AND SEAL LF	416.0180 CONCRETE DRIVEWAY 8-INCH SY	416.0512 CONCRETE TRUCK APRON 12-INCH SY	602.0410 CONCRETE SIDEWALK 5-INCH SF	REMARKS
2	460+07 EBA - 468+73 EBE	-	1965	1965	-	-	-	-	USH 14, WB MAINLINE
	50+07 TWB - 51+87 TWB	9	649	708	-	14	-	528	CTH T
	CENTER ISLAND	129	-	386	-	-	386	-	CENTER ISLAND
	460+07 EBA - 461+81 EBA	-	-	-	174	-	-	-	OUTSIDE PAVT EDGE
	SUBTOTAL STAGE 2	138	2614	3059	174	14	386	528	
3	460+07 EBA - 463+36 EBA	-	727	727	-	-	-	-	USH 14, EB MAINLINE
	19+10 NBA - 22+45 NBA	-	740	740	-	-	-	-	STH 27, SB MAINLINE
	19+10 NBA - 20+99 NBA	-	-	-	189	-	-	-	OUTSIDE PAVT EDGE
	SUBTOTAL STAGE 3	0	1467	1467	189	0	0	0	
4	464+79 EBE - 468+72 EBE	78	849	1410	-	-	-	5041	USH 14, EB MAINLINE
	19+10 NBA - 22+45 NBA	61	763	1197	-	-	-	3903	STH 27, NB MAINLINE
	CENTER ISLAND	128	-	383	-	-	383	-	CENTER ISLAND
	466+28 EBE - 468+72 EBE	-	-	-	244	-	-	-	OUTSIDE PAVT EDGE
	SUBTOTAL STAGE 4	267	1612	2990	244	0	383	8944	
5	460+12 EBA - 463+27 EBA	102	-	732	-	-	-	6587	USH 14, WEST SPLITTER ISLAND
	NW QUAD	77	-	230	-	-	230	-	NW QUAD, TRUCK APRON
	SE QUAD	48	-	142	-	-	142	-	SE QUAD, TRUCK APRON
	50+05 TWB - 50+41 TWB	7	-	49	-	-	-	438	CTH T, SPLITTER ISLAND
	SUBTOTAL STAGE 5	234	0	1153	0	0	372	7025	
	PROJECT TOTAL	639	5693	8669	607	14	1141	16497	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE SURFACE DRAINS

STAGE	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY	*606.0200 RIPRAP MEDIUM CY	*645.0120 GEOTEXTILE TYPE HR SY
2	51+76 TEB, RT	2	2	16
	53+18 TEB, LT	2	2	14
	SUBTOTAL STAGE 2	4	4	30
4	466+26 EBE, RT	4	2	33
	SUBTOTAL STAGE 4	4	2	33
5	468+72 EBE, LT	3	2	28
	21+00 NBA, LT	4	2	32
	SUBTOTAL STAGE 5	15	4	60
	UNDISTRIBUTED	6	3	31
	PROJECT TOTAL	**29**	**13**	**154**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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ASPHALTIC PAVEMENT ITEMS

STAGE	STATION	LOWER LAYER THICKNESS IN	UPPER LAYER THICKNESS IN	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	REMARKS
1	101+50 1A - 111+00 1A	-	3.00	-	-	-	-	146	TEMP PAVEMENT AREAS, USH 14
	111+00 1A - 126+00 1A	-	3.00	-	-	-	-	540	TEMP PAVEMENT AREAS, USH 14
	304+00 1B - 309+00 1A	-	3.00	-	-	-	-	162	TEMP PAVEMENT AREAS, STH 27
	SUBTOTAL STAGE 1			0	0	0	0	848	
2	202+00 2A - 212+50 2A	-	3.00	-	-	-	-	196	TEMP PAVEMENT, USH 14
	212+50 2A - 222+50 2A	-	3.00	-	-	-	-	437	TEMP PAVEMENT, USH 14
	457+24 EBA - 460+08 EBA	3.00	2.50	-	27	91	76	-	USH 14, WB MAINLINE
	460+08 WBE - 461+82 WBE	3.00	2.50	-	6	20	17	-	USH 14, WB MAINLINE, SHOULDER
	468+73 EBE - 474+00 EBE	3.00	2.50	-	45	148	124	-	USH 14, WB MAINLINE
	16+50 NBA - 19+10 NBA	2.50	2.00	-	29	81	65	-	STH 27, NB MAINLINE
	51+86 TWB - 56+31 TWB	2.50	2.00	-	85	237	190	-	CTH T
	SUBTOTAL STAGE 2			0	192	577	472	633	
3	457+24 EBA - 460+08 EBA	3.00	2.50	-	33	110	91	-	USH 14, EB MAINLINE
	16+50 NBA - 19+10 NBA	2.50	2.00	-	23	63	51	-	STH 27, SB MAINLINE
	19+12 SBE - 20+98 SBE	2.50	2.00	-	7	18	14	-	STH 27, SB MAINLINE, SHOULDER
	462+26 EBA - 463+30 EBA	-	3.00	-	-	-	-	58	TEMP PAVEMENT AREAS, USH 14
	502+41 3A - 507+48 3A	-	3.00	-		-	-	165	TEMP PAVEMENT AREAS, STH 27
	SUBTOTAL STAGE 3			0	63	191	156	223	
4	468+72 EBE - 476+22 EBE	3.00	2.50	-	64	213	178	-	USH 14, EB MAINLINE
	466+29 EBE - 468+72 EBE	3.00	2.50	-	9	28	23	-	USH 14, EB MAINLINE, SHOULDER
	SUBTOTAL STAGE 4			0	73	241	201	0	
5	447+55 EBA - 457+24 EBA	3.00	2.50	106	18	58	48	-	USH 14, SHOULDER
	474+00 EBE - 480+97 EBE	3.00	2.50	220	36	120	100	-	USH 14, SHOULDER
	11+50 NBA - 16+50 NBA	2.25	1.75	375	117	211	164	-	STH 27, RESURFACE
	SUBTOTAL STAGE 5			701	171	389	312	0	
	PROJECT TOTALS			**701**	**499**	**1398**	**1141**	**1704**	

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TEMPORARY CULVERT PIPE ITEMS

STAGE	CL STATION	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	PIPE THICKNESS	*520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.2012 CULVERT PIPE TEMPORARY 12-INCH LF	520.2036 CULVERT PIPE TEMPORARY 36-INCH LF	SPV.0060.02 TEMPORARY CONNECT TO EXISTING STRUCTURE EACH	REMARKS
1	104+12 1A	-	-	-	-	-	-	-	0.079	-	-	12	1	TEMP CONNECTION WITH BOX CULVERT
	307+80 1B	307+80 1B	26.59' LT	1256.74'	307+80 1B	33.42' RT	1254.12'	4.32	0.064	2	60	-	-	TEMP CULVERT, TEMP ROADWAY
				SUBTOTAL STAGE 1						2	60	12	1	
				PROJECT TOTALS						**2**	**60**	**12**	**1**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CULVERT PIPES

STAGE	CL STATION	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE (%)	PIPE THICKNESS	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.0172 CULVERT PIPE REINFORCED CONCRETE CLASS III 72-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	*633.5200 MARKERS CULVERT END EACH	REMARKS
1	471+02 EBE	-	-	-	471+04 EBE	88.0' RT	1221.14'	3.66		-	-	1	-	-	14	-	1	-	1	EXTEND EXISTING CULVERT
				SUBTOTAL STAGE 1						0	0	1	0	0	14	0	1	0	1	
2	471+02 EBE	470+80 EBE	87.15' LT	1227.77'	-	-	-	3.62		-	-	1	-	-	10	-	1	-	1	EXTEND EXISTING CULVERT
	16+69 NBA	-	-	-	16+53 NBA	41.21' RT	1255.92'	4.04		-	-	1	-	-	-	6	-	1	1	EXTEND EXISTING CULVERT
	18+02 NBA	-	-	-	17+82 NBA	80.79' RT	1243.60'	6.62	0.064	-	-	1	1	29	-	-	-	-	1	EXTEND EXISTING CULVERT
	54+41 TWB	54+27 TWB	36.1' LT	1251.62'	54+64 TWB	61.51' RT	1245.12'	6.24	0.064	2	105	-	-	-	-	-	-	-	2	REPLACE EXISTING CULVERT
				SUBTOTAL STAGE 2						2	105	3	1	29	10	6	1	1	5	
3	16+69 NBA	16+83 NBA	40.26' LT	1259.47'	-	-	-	4.04		-	-	1	-	-	-	10	-	1	1	EXTEND EXISTING CULVERT
				SUBTOTAL STAGE 3						0	0	1	0	0	0	10	0	1	1	
				PROJECT TOTALS						**2**	**105**	**5**	**1**	**29**	**24**	**16**	**2**	**2**	**7**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CONCRETE CURB & GUTTER

STAGE	STATION - STATION	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	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	REMARKS
2	460+13 EBA - 461+55 EBA	LT	48	-	-	-	144	-	USH 14, WEST ISLAND
	41+64 M1 - 43+62 M1	RT	62	-	-	-	-	186	CENTER ISLAND
	41+62 M1 - 43+60 M1	RT	36	108	-	-	-	-	CENTER ISLAND
	50+09 TWB - 53+07 TWB	LT/RT	219	-	656	-	-	-	CTH T, ISLAND & OUTSIDE CURB
	SUBTOTAL STAGE 2		365	108	656	0	144	186	
3	459+31 EBA - 462+00 EBA	RT	91	-	-	76	195	-	USH 14, OUTSIDE CURB
	460+13 EBA - 462+68 EBA	LT	79	-	112	-	143	-	USH 14, WEST ISLAND
	SUBTOTAL STAGE 3		170	0	112	76	338	0	
4	41+64 M1 - 43+62 M1	RT	63	-	-	-	-	189	CENTER ISLAND
	41+62 M1 - 43+60 M1	RT	19	113	-	-	-	-	CENTER ISLAND
	18+38 NBA - 22+45 NBA	LT/RT	337	-	598	71	441	-	STH 27, ISLAND & OUTSIDE CURB
	464+79 EBE - 468+72 EBE	LT/RT	281	-	662	-	290	-	USH 14, EAST ISLAND & OUTSIDE CURB
	SUBTOTAL STAGE 4		700	113	1260	71	731	189	
5	461+54 EBA - 463+35 EBA	LT/RT	156	-	561	-	-	-	USH 14, WEST ISLAND & OUTSIDE CURB
	NW QUAD, OUTSIDE CURB	-	97	-	-	-	-	290	OUTSIDE CURB, TRUCK OVERTRACK
	SE QUAD, OUTSIDE CURB	-	49	-	-	-	-	145	OUTSIDE CURB, TRUCK OVERTRACK
	464+79 EBE - 468+72 EBE	LT	77	-	-	-	231	-	USH 14, OUTSIDE CURB
	50+00 TWB - 50+46 TWB	RT	48	-	170	-	-	-	CTH T, ISLAND & OUTSIDE CURB
	SUBTOTAL STAGE 5		427	0	731	0	231	435	
	PROJECT TOTAL		**1662**	**221**	**2759**	**147**	**1444**	**810**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE BARRIER TEMPORARY

STAGE	STATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FT	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION
2	111+71 1A - 124+63 1A	1289	1289						
	111+71 1A	-	-	1	2	W05-58R	TL-3	BIDIRECTIONAL	LT
	124+63 1A	-	-	1	2	W05-58R	TL-3	BIDIRECTIONAL	LT
	STAGE 2 SUBTOTALS	1289	1289	2					
3	212+73 2A - 221+80 2A	901	901						
	212+73 2A	-	-	1	2	W05-58R	TL-3	BIDIRECTIONAL	LT
	221+80 2A	-	-	1	2	W05-58R	TL-3	BIDIRECTIONAL	LT
	STAGE 3 SUBTOTALS	901	901	2					
	PROJECT TOTALS	2190	2190	4					

3

STORM SEWER STRUCTURES

STAGE	STRUCTURE NUMBER	**STATION	**OFFSET	*520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	611.062 INLET COVERS TYPE H EACH	611.063 INLET COVERS TYPE HM EACH	611.064 INLET COVERS TYPE H-S EACH	611.064 INLET COVERS TYPE MS EACH	611.065 INLET COVERS TYPE T EACH	611.3 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2 X 3-FT EACH	611.39 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	*633.5200 MARKERS CULVERT END EACH	RIM ELEVATION FT	INVERT ELEVATION FT	***DEPTH FT	COMMENTS
1	1	42+75 M1	58.7' RT	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1256.06	-	
	2	42+75 M1	1.5' LT	-	-	-	-	-	-	1	1	-	-	-	-	-	1264.27	1256.36	6.83	
		SUBTOTAL STAGE 1		0	1	0	0	0	0	1	1	0	0	0	0	1				
2	3	43+65 M1	1.5' LT	-	-	-	-	-	-	1	1	-	-	-	-	-	1263.44	1256.88	5.48	
	4	40+70 M1	1.5' LT	-	-	-	-	-	-	1	1	-	-	-	-	-	1264.44	1258.40	4.96	
	5	40+60 M1	66.9' RT	-	-	-	-	-	1	-	-	-	1	-	-	-	1260.40	1258.71	1.69	
	6	462+97 EBA	72.4' LT	-	-	1	-	-	-	-	1	-	-	-	1	-	1264.54	1258.97	4.57	
	7	462+58 EBA	54.9' LT	-	-	-	-	1	-	-	1	-	-	-	1	-	1264.33	1259.36	3.97	
	8	462+21 EBA	71.5' LT	-	-	-	-	-	2	-	-	-	-	1	-	-	1262.12	1259.66	2.46	
		SUBTOTAL STAGE 2		0	0	1	0	1	3	2	4	0	1	1	2	0				NO SLOPE
3	14	462+01 EBA	17.5' RT	-	-	-	-	1	-	-	-	1	-	-	-	-	1264.67	1259.75	3.92	
	13	462+50 EBA	17.5' RT	-	-	-	-	1	-	-	-	1	-	-	-	-	1264.42	1259.40	4.02	
	15	462+50 EBA	17.8' LT	-	-	-	-	-	1	-	-	-	1	-	-	-	1264.50	1259.85	4.65	NO SLOPE
	12	462+55 EBA	54.2' RT	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1259.24	-	
		SUBTOTAL STAGE 3		1	0	0	0	2	1	0	0	2	1	0	0	1				
4	11	20+94 NBA	17.5' RT	-	-	-	-	1	-	-	-	1	-	-	-	-	1262.92	1257.92	4.00	
	10	20+35 NBA	17.5' RT	-	-	-	1	-	-	-	-	1	-	-	-	-	1262.72	1257.22	4.50	
	9	20+35 NBA	36.6' RT	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1257.02	-	
		SUBTOTAL STAGE 4		1	0	0	1	1	0	0	0	2	0	0	0	1				
		PROJECT TOTALS		**2**	**1**	**1**	**1**	**4**	**4**	**3**	**5**	**4**	**2**	**1**	**2**	**3**				

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

**STATION & OFFSET TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED IN THE PLANS

***DEPTH = RIM ELEV - INVERT ELEV - COVER HT - 6 INCH ADJ RING HT; INLETS MEDIAN DEPTH = RIM ELEV - INVERT ELEV

STORM SEWER PIPES

STAGE	FROM	TO	608.0005 STORM SEWER ROCK EXCAVTION CY	608.301 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.302 STORM SEWER PIPE CLASS III-A 15-INCH LF	**JOINT TIES EACH	INLET ELEVATION	OUTLET ELEVATION
1	2	1	-	-	60	6	1256.36	1256.06
	3	2	-	-	82	-	1256.88	1256.46
	SUBTOTAL STAGE 1		0	0	142	6		
2	4	3	-	-	84	-	1258.40	1257.98
	5	4	-	70	-	-	1258.90	1258.50
	6	4	-	-	93	-	1258.97	1258.50
	7	6	10	58	-	-	1259.36	1259.07
	8	7	-	40	-	-	1259.66	1259.46
	SUBTOTAL STAGE 2		10	168	177	0		
3	13	12	-	37	-	6	1259.40	1259.24
	14	13	-	50	-	-	1259.75	1259.50
	15	13	-	35	-	-	1259.85	1259.50
	SUBTOTAL STAGE 3		0	122	0	6		
4	10	9	-	60	-	-	1257.22	1257.22
	11	10	-	19	-	-	1257.92	1257.32
	SUBTOTAL STAGE 4		0	79	0	0		
	PROJECT TOTALS		**10**	**369**	**319**	**12**		

**NON-BID ITEM: FOR INFORMATION ONLY

RIP RAP

STAGE	LOCATION	*606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	REMARKS
1	42+75 M1, RT	3	6	ENDWALL-1
	471+02 EBE, RT	9	18	EXTEND EXIST 36-INCH CP
	SUBTOTAL STAGE 1	12	24	
2	16+69 NBA, RT	16	32	EXTEND EXIST 72-INCH CP
	18+02 NBA, RT	6	11	EXTEND EXIST 24-INCH CP
	54+41 TWB	6	11	NEW 24-INCH CP
	SUBTOTAL STAGE 2	28	54	
3	462+55 EBA, RT	3	6	ENDWALL-12
	SUBTOTAL STAGE 3	3	6	
4	20+35 NBA , RT	3	6	ENDWALL-9
	SUBTOTAL STAGE 4	3	6	
	UNDISTRIBUTED	12	23	
	PROJECT TOTAL	**58**	**113**	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PIPE UNDERDRAIN WRAPPED

STAGE	STATION	LT/RT	*312.0110 SELECT CRUSHED MATERIAL TON	310.0110 BASE AGGREGATE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY	REMARKS
2	3+80 NE - 9+36 NE	-	-	27	598	266	RAB-NE CURB ALIGNMENT
	5+00 SE - 10+36 SE	-	-	24	541	241	RAB-SE CURB ALIGNMENT
	43+62 M1 - 41+64 M1	-	-	10	207	92	RAB- CENTER ISLAND FLANGE
	53+47 TWB	RT	4	-	-	-	RELIEF TRENCH
	53+50 TWB	LT	4	-	-	-	RELIEF TRENCH
	SUBTOTAL STAGE 2		8	61	1346	599	
3	6+28 NW - 10+66 NW	-	-	22	485	216	RAB-NW CURB ALIGNMENT
	457+29 EBA	RT	4	-	-	-	RELIEF TRENCH
	458+75 EBA	RT	4	-	-	-	RELIEF TRENCH
	SUBTOTAL STAGE 3		8	22	485	216	
4	41+64 M1 - 43+62 M1	-	-	10	207	92	RAB- CENTER ISLAND FLANGE
	5+00 SW - 11+20 SW	-	-	29	646	288	RAB-SW CURB ALIGNMENT
	468+72 EBE	RT	4	-	-	-	RELIEF TRENCH
	471+00 EBE	RT	4	-	-	-	RELIEF TRENCH
	473+50 EBE	RT	4	-	-	-	RELIEF TRENCH
	476+22 EBE	RT	4	-	-	-	RELIEF TRENCH
	18+27 NBA	RT	4	-	-	-	RELIEF TRENCH
	SUBTOTAL STAGE 4		20	39	853	380	
5	447+55 EBA	LT	4	-	-	-	RELIEF TRENCH
	449+00 EBA	LT	4	-	-	-	RELIEF TRENCH
	451+50 EBA	LT	4	-	-	-	RELIEF TRENCH
	454+00 EBA	LT	4	-	-	-	RELIEF TRENCH
	456+50 EBA	LT	4	-	-	-	RELIEF TRENCH
	458+76 EBA	LT	4	-	-	-	RELIEF TRENCH
	461+70 EBA	LT	4	-	-	-	RELIEF TRENCH
	471+00 EBE	LT	4	-	-	-	RELIEF TRENCH
	473+49 EBE	LT	4	-	-	-	RELIEF TRENCH
	475+99 EBE	LT	4	-	-	-	RELIEF TRENCH
	478+50 EBE	LT	4	-	-	-	RELIEF TRENCH
	480+98 EBE	LT	4	-	-	-	RELIEF TRENCH
	18+73 NBA	LT	4	-	-	-	RELIEF TRENCH
	20+83 NBA	LT	4	-	-	-	RELIEF TRENCH
	SUBTOTAL STAGE 5		56	0	0	0	
	PROJECT TOTALS		92	122	2684	1195	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

MGS GUARDRAIL ITEMS

STAGE	STATION TO STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
4	466+24 EBE - 466+77 EBE	RT	-	1
	466+77 EBE - 469+66 EBE	RT	288	-
	469+66 EBE - 470+19 EBE	RT	-	1
	PROJECT TOTALS		288	2

FENCE SAFETY

STAGE	STATION	616.0700.S FENCE SAFETY LF
1	112+40 1A, 95' RT	100
	SUBTOTAL STAGE 1	100
2	51+36 TWB, 25' LT	120
	SUBTOTAL STAGE 2	120
	PROJECT TOTAL	220

TOPSOIL, SALVAGED TOPSOIL, FERTILIZER, AND SEEDING

STATION - STATION	SEED AREA SF	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL 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	296158	1500	31407	21	816	49	889	706
UNDISTRIBUTED QTY		375	7852	6	204	13	223	177
PROJECT TOTALS		**1875**	**39259**	**27**	**1020**	**62**	**1112**	**883**

EROSION CONTROL ITEMS

STAGE	STATION	LT/RT	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2027 EROSION MAT CLASS II TYPE C SY	628.7005 INLET PROTECTION TYPE A EACH	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	REMARKS
1	VARIES	-	1446	2892	-	9645	-	-	-	45	135	120	15	5	
	42+75 M1	LT	-	-	-	-	1	-	-	-	-	-	-	-	INLET 2
	SUBTOTAL STAGE 1		1446	2892	0	9645	1	0	0	45	135	120	15	5	
2	43+65 M1	LT	-	-	-	-	-	-	1	-	-	-	-	-	INLET 3
	40+70 M1	LT	-	-	-	-	-	-	1	-	-	-	-	-	INLET 4
	40+60 M1	RT	-	-	-	-	1	-	-	-	-	-	-	-	INLET 5
	462+21 EBA	LT	-	-	-	-	1	-	-	-	-	-	-	-	INLET 8
	VARIES	-	962	1924	2935	2760	-	-	-	-	-	54	-	-	
	SUBTOTAL STAGE 2		962	1924	2935	2760	2	0	2	0	0	54	0	0	
3	462+01 EBA	RT	-	-	-	-	-	1	-	-	-	-	-	-	INLET 14
	462+50 EBA	RT	-	-	-	-	-	1	-	-	-	-	-	-	INLET 13
	VARIES	-	-	-	-	-	-	-	-	-	-	-	-	-	
	462+50 EBA	LT	-	-	-	-	1	-	-	-	-	-	-	-	INLET 15
	SUBTOTAL STAGE 3		0	0	0	0	1	2	0	0	0	0	0	0	
4	42+75 M1	LT	-	-	-	-	-	-	1	-	-	-	-	-	INLET 2
	20+35 NBA	RT	-	-	-	-	-	-	1	-	-	-	-	-	INLET 10
	20+94 NBA	RT	-	-	-	-	-	-	1	-	-	-	-	-	INLET 11
	VARIES	-	-	-	1018	867	-	-	-	-	-	-	-	-	
	SUBTOTAL STAGE 4		0	0	1018	867	0	0	3	0	0	0	0	0	
5	VARIES	-	-	-	14339	1345		-	-	-	-	-	-	-	
	SUBTOTAL STAGE 5		0	0	14339	1345	0	0	0	0	0	0	0	0	
	UNDISTRIBUTED		602	1204	4573	3655	-	-	-	12	34	44	-	-	
	PROJECT TOTAL		**3010**	**6020**	**22865**	**18272**	**4**	**2**	**5**	**57**	**169**	**218**	**15**	**5**	

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PERMANENT SIGNING (1 OF 2)

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH 18-FT EACH	634.0620 POSTS WOOD 4X6-INCH 20-FT EACH	634.0622 POSTS WOOD 4X6-INCH 22-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH 14-FT EACH	REMARKS
M01-01	I55-56	ADOPT A HIGHWAY	30" X 18"	3.75	-	1	-	-	-	-	-	-	-	USH 14/61
01-01	J1-1	ROUTE ASSEMBLY	24" X 39"	6.50	-	-	1	-	-	-	-	-	-	USH 14/61
01-02	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	-	1	-	-	-	-	-	-	USH 14/61
01-03	W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
01-04	D2-2	DESTINATION/DISTANCE	78" x24"	13.00	-	-	-	1	1	-	-	-	-	USH 14/61
02-01	D1-62	ROUNDABOUT TYPICAL TYPE 2	126" x 78"	68.25	-	-	-	-	-	1	2	-	-	USH 14/61
02-02	R4-7	KEEP LEFT/RIGHT SYMBOL	24" X 30"	5.00	-	-	1	-	-	-	-	-	-	USH 14/61
02-03	W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
02-04	D1-2	DESTINATIONS	78" x 48"	26.00	-	-	-	-	1	1	-	-	-	USH 14/61
02-05	R2-1	SPEED LIMIT	24" X 30"	5.00	-	-	-	-	-	-	-	-	-	
02-06	R5-1	DO NOT ENTER	30" x 30"	6.25	-	1	-	-	-	-	-	-	-	USH 14/61
02-07	W6-3	TWO-WAY TRAFFIC	36" X 36"	-	9.00	-	1	-	-	-	-	-	-	USH 14/61
03-01	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	USH 14/61
03-02	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	USH 14/61
03-03	D1-2	EXIT GUIDE SIGNS	66" x 30"	13.75	-	-	-	-	-	-	-	-	2	STH 27
03-04	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	STH 27
03-05	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	STH 27
03-06	D1-2	EXIT GUIDE SIGNS	66" x 30"	13.75	-	-	-	-	-	-	-	-	2	USH 14/61
03-07	J4-2	ROUTE ASSEMBLY	48" X 36"	12.00	-	-	1	-	-	-	-	-	-	USH 14/61
03-08	R5-1A	WRONG WAY	36" X 24"	6.00	-	-	1	-	-	-	-	-	-	USH 14/61
03-09	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	USH 14/61
03-10	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	USH 14/61
03-11	R5-1A	WRONG WAY	36" X 24"	6.00	-	-	1	-	-	-	-	-	-	CTH T
03-12	M1-6	STH ROUTE MARKER	24" X 24"	2.00	-	-	-	-	-	-	-	-	-	CTH T
03-13	R12-55	20 TON BRIDGE	48" X 18"	6.00	-	-	-	-	-	-	-	-	-	CTH T
03-14	D1-1	EXIT GUIDE SIGNS	36" x18"	4.50	-	-	-	-	-	-	-	-	1	CTH T
03-15	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	CTH T
03-16	R1-2	YIELD	36" X 31"	3.88	-	-	-	-	-	-	-	-	1	CTH T
03-17	D1-4	EXIT GUIDE SIGN	66" x 48"	22.00	-	-	-	-	-	-	-	-	2	USH 14/61
03-18	J4-4	ROUTE ASSEMBLY	96" X 36"	24.00	-	-	-	2	-	-	-	-	-	
03-19	R5-1A	WRONG WAY	36" X 24"	6.00	-	-	-	-	-	-	-	-	-	USH 14/61
03-20	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	-	-	-	-	2	-	CENTER ISLAND
03-21	R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	-	-	-	
03-22	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	-	-	-	-	2	-	CENTER ISLAND
03-23	R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	-	-	-	
03-24	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	-	-	-	-	2	-	CENTER ISLAND
03-25	R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	-	-	-	
03-26	R6-1R	ONE WAY FOR ROUNDABOUTS	36" X 12"	3.00	-	-	-	-	-	-	-	2	-	CENTER ISLAND
03-27	R6-4B	CHEVRON FOR ROUNDABOUTS	60" X 24"	10.00	-	-	-	-	-	-	-	-	-	
04-01	R2-1	SPEED LIMIT	24" X 30"	5.00	-	1	-	-	-	-	-	-	-	USH 14/61
04-02	R5-1	DO NOT ENTER	30" x 30"	6.25	-	1	-	-	-	-	-	-	-	USH 14/61
04-03	W6-3	TWO-WAY TRAFFIC	36" X 36"	-	9.00	-	1	-	-	-	-	-	-	USH 14/61

CONTINUED ON NEXT PAGE

PERMANENT SIGNING (2 OF 2)

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE W" X H"	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH 18-FT EACH	634.0620 POSTS WOOD 4X6-INCH 20-FT EACH	634.0622 POSTS WOOD 4X6-INCH 22-FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH 12-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH 14-FT EACH	REMARKS
04-04	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	-	1	-	-	-	-	-	-	USH 14/61
04-05	W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
04-06	D1-62	ROUNDABOUT TYPICAL TYPE 2	132" x78"	71.50	-	-	-	-	-	1	2	-	-	USH 14/61
04-07	R4-7	KEEP LEFT/RIGHT SYMBOL	24" X 30"	5.00	-	-	1	-	-	-	-	-	-	USH 14/61
04-08	W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
04-09	D1-2	DESTINATIONS	78" x 48"	26.00	-	-	-	2	-	-	-	-	-	USH 14/61
05-01	D2-3	DESTINATION/DISTANCE	102" x 36"	25.50	-	-	-	1	1	-	-	-	-	USH 14/61
05-02	J1-3	ROUTE ASSEMBLY	72" X 39"	19.50	-	-	2	-	-	-	-	-	-	USH 14/61
05-03	W4-2R	LANE MERGE	36" X 36"	19.50	9.00	-	1	-	-	-	-	-	-	USH 14/61
05-04	W4-2R	LANE MERGE	36" X 36"	19.50	9.00	-	-	1	-	-	-	-	-	USH 14/61
05-05	W9-1R	RIGHT LANE ENDS	36" X 36"	19.50	9.00	-	-	1	-	-	-	-	-	USH 14/61
06-01	J1-3	ROUTE ASSEMBLY	72" X 39"	19.50	-	-	2	-	-	-	-	-	-	STH 27
06-02	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	-	1	-	-	-	-	-	-	STH 27
06-03	W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
06-04	D2-3	DESTINATION/DISTANCE	114" x 36"	28.50	-	-	-	2	1	-	-	-	-	STH 27
06-05	J1-1	ROUTE ASSEMBLY	24" X 39"	6.50	-	-	1	-	-	-	-	-	-	STH 27
07-01	D1-62	ROUNDABOUT TYPICAL TYPE 2	126" x 84"	73.50	-	-	-	-	-	1	2	-	-	STH 27
07-02	R4-7	KEEP LEFT/RIGHT SYMBOL	24" X 30"	5.00	-	-	1	-	-	-	-	-	-	STH 27
07-03	W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
07-04	D1-4	DESTINATIONS	78" x 48"	26.00	-	-	-	2	-	-	-	-	-	STH 27
07-05	J4-2	ROUTE ASSEMBLY	48" X 36"	12.00	-	-	1	-	-	-	-	-	-	STH 27
07-06	R5-1A	WRONG WAY	36" X 24"	6.00	-	-	-	-	-	-	-	-	-	STH 27
07-07	R5-1	DO NOT ENTER	30" x 30"	6.25	-	1	-	-	-	-	-	-	-	STH 27
07-09	R2-1	SPEED LIMIT	24" X 30"	5.00	-	-	-	-	-	-	-	-	-	STH 27
07-08	W6-3	TWO-WAY TRAFFIC	36" X 36"	-	9.00	-	1	-	-	-	-	-	-	STH 27
08-01	R5-1	DO NOT ENTER	30" x 30"	6.25	-	1	-	-	-	-	-	-	-	CTH T
08-02	D1-62	ROUNDABOUT TYPICAL TYPE 2	144" x 78"	78.00	-	-	-	-	-	1	2	-	-	CTH T
08-03	R4-7	KEEP LEFT/RIGHT SYMBOL	24" X 30"	5.00	-	-	1	-	-	-	-	-	-	CTH T
08-04	W5-54	IN ROAD OBJECT MARKER	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
09-01	J1-2	ROUTE ASSEMBLY	48" X 39"	13.00	-	-	-	2	-	-	-	-	-	CTH T
09-02	M1-6	STH ROUTE MARKER	24" X 24"	2.00	-	-	-	-	-	-	-	-	-	
09-03	M1-6	STH ROUTE MARKER	24" X 24"	2.00	-	-	-	-	-	-	-	-	-	
09-04	W2-6	ROUNDABOUT AHEAD	30" X 30"	-	6.25	-	1	-	-	-	-	-	-	CTH T
09-05	W13-1	15 MPH	18" X 18"	-	2.25	-	-	-	-	-	-	-	-	
		PROJECT TOTALS		**845.00**	**97.00**	**6**	**22**	**14**	**4**	**5**	**8**	**8**	**15**	

REMOVING SIGNS (1 OF 2)

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
1	449+55 EBA	RT	ONCOMING TRAFFIC USES CENTER LANE	-	1	1	USH 61
	110+35 1A	RT	CTH T/STH 27/STH 82	1	-	-	USH 61
	111+40 1A	LT	STOP SIGN	1	-	-	STH 27
	457+57 EBA	RT	DESTINATION/DIRECTION	-	1	2	USH 61
	459+10 EBA	LT/RT	LANE MERGE	-	2	2	USH 61
	-	-	DOUBLE ARROW	-	1	1	STH 27 ISLAND
	-	-	STOP SIGN	-	1	1	STH 27 ISLAND
	-	-	DO NOT ENTER	-	1	1	INTERSECTION SW CORNER
	464+80 EBE	LT	USH 14/61	-	1	1	USH 61
	469+33 EBE	RT	DESTINATION/DISTANCE	-	1	2	USH 61
	467+12 EBE	LT	RIGHT LANE ENDS	-	1	1	USH 61
	472+02 EBE	LT	NO PASSING ZONE		1	1	USH 61
			SUBTOTAL STAGE 1	2	11	13	
2	454+93 EBA	LT	DESTINATION/DISTANCE	-	1	2	USH 61
	459+60 EBA	LT	USH 14/61/STH 27/STH 82	1	-	-	USH 61
	469+33 EBE	LT	DESTINATION/DIRECTION	-	1	2	USH 61
	111+40 1A	LT	STOP SIGN	1	-	-	STH 27
	110+00 1A	LT	CTH T/STH 27/STH 82	1	-	-	USH 61
	21+28 NBA	LT	USH 14/61	1	-	-	STH 27
	465+46 EBE	LT	STH 27/82/CTH T	1	-	-	USH 61
	477+81 EBE	LT	STH 27/STH 82	1	-	-	USH 61
	17+23 NBA	RT	DESTINATION/DIRECTION	-	1	2	STH 27
	19+91 NBA	RT	CTH T	-	1	1	STH 27
	-	LT	JCT - USH 14/61/STH 27/STH 82	-	1	1	CTH T
	-	LT	STOP SIGN	-	1	1	CTH T
	52+52 TWB	RT	CTH T	-	2	1	CTH T
	-	LT	STOP AHEAD	-	1	1	CTH T
	-	LT	USH 14/61/STH 27/STH 82	-	1	2	CTH T
			SUBTOTAL STAGE 2	6	10	13	
3	-	RT	SHIFT SIGN, LEFT	1	-	-	(3A) NORTH, SHIFT TAPER
	210+00 2A	LT	SHIFT SIGN, LEFT	1	-	-	(3A) NORTH, SHIFT TAPER
	208+50 2A	RT	NO LEFT TURN	1	-	-	(3A) USH 61
	209+75 2A	RT	CTH T/STH 27/STH 82	1	-	-	(3A) USH 61
	211+60 2A	RT	STOP SIGN	1	-	-	(3A) USH 61
	211+75 2A	RT	USH 14/61/STH 27/STH 82	1	-	-	(3A) STH 27
	211+75 2A	RT	USH 14/61	1	-	-	(3A) STH 27
	212+00 2A	LT	STH 27/82/CTH T	1	-	-	(3A) USH 61
	214+50 2A	LT	NO RIGHT TURNS	1	-	-	(3A) USH 61
	227+88 2A	LT	STH 27/STH 82	1	-	-	(3A) USH 61
	216+50 2A	RT	SHIFT SIGN, RIGHT	1	-	-	(3A) SOUTH, SHIFT TAPER
	-	LT	SHIFT SIGN, RIGHT	1	-	-	(3A) SOUTH, SHIFT TAPER

CONTINUED ON NEXT TABLE

REMOVING SIGNS (2 OF 2)

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
	111+25 2A	RT	CTH T/STH 27/STH 82	1	-	-	(3B) USH 61
	213+50 2A	LT	STH 27/82/CTH T	1	-	-	(3B) USH 61
	213+50 2A	RT	STOP SIGN	1	-	-	(3B) USH 61
	213+50 2A	RT	USH 14/61/STH 27/STH 82	1	-	-	(3B) STH 27
	213+50 2A	RT	USH 14/61	1	-	-	(3B) STH 27
	19+70 NBA	LT	DESTINATION/DISTANCE	-	1	2	(3B) STH 27
	21+42 NBA	LT	STH 27/82	-	1	1	(3B) STH 27
			SUBTOTAL STAGE 3	17	2	3	
4	209+75 2A	RT	CTH T/STH 27/STH 82	1	-	-	USH 61
	211+50 2A	RT	STOP SIGN	1	-	-	STH 27
	211+75 2A	RT	USH 14/61/STH 27/STH 82	1	-	-	STH 27
	211+75 2A	RT	USH 14/61	1	-	-	STH 27
	212+00 2A	LT	STH 27/82/CTH T	1	-	-	USH 61
			SUBTOTAL STAGE 4	5	0	0	
5	-	RT	ROUTE ASSEMBLY/ JCT -CTH T	-	1	1	USH 61
	452+15 EBA	RT	ROUTE ASSEMBLY	-	1	2	USH 61
	453+10 EBA	LT	ADOPT A HIGHWAY	0	-	-	USH 61
	459+60 EBA	LT	ROUTE ASSEMBLY	-	1	2	USH 61
	462+53 NBA	RT	CTH T/STH 27/STH 82	-	1	1	USH 61
	459+60 EBA	LT	USH 14/61/STH 27/STH 82	-	1	1	USH 61
	-	-	STOP SIGN	1	-	-	STH 27
	465+46 EBE	LT	STH 27/82/CTH T	1	-	-	USH 61
	477+81 EBE	LT	STH 27/STH 82	1	-	-	USH 61
	474+84 EBE	LT	USH 14/61/STH 27/STH 82	-	1	2	USH 61
	-	LT	JCT - STH 27/STH 82/CTH T	-	1	2	USH 61
	-	RT	JCT - USH 14/61/CTH T	-	1	2	STH 27
	-	RT	STOP SIGN AHEAD	-	1	1	STH 27
	12+50 NBA	RT	USH 14/61-W/N & USH 14/61-E/S	-	1	2	WAYSIDE
	12+85 NBA	LT	SNOWMOBILE ROUTE	-	1	1	STH 27
	14+93 NBA	RT	ROUTE ASSEMBLY-STH 27/82	-	1	1	WAYSIDE
	14+93 NBA	LT	JCT - CTH J	-	1	1	STH 27
	21+28 NBA	LT	USH 14/61	1	-	-	STH 27
			SUBTOTAL STAGE 5	4	13	19	
			PROJECT TOTAL	**34**	**36**	**48**	

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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		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II			643.1050 TRAFFIC CONTROL SIGNS PCMS		NOTES
		DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY	#CYCLES	EACH	QTY.	DAYS	
1	PRIOR TO CONSTRUCTION	14	0	0	0	0	0	0	0	0	0	0	0	-	-	5	70	
	USH 14	67	105	7035	9	603	18	1206	6	402	15	1005	0	-	-	0	0	
	STH 27	67	15	1005	2	134	4	268	0	0	2	134	0	-	-	0	0	
	ADVANCED/WIDTH RESTRICTION	67	0	0	0	0	0	0	0	0	58	3886	0	-	-	0	0	ENTIRE DURATION
	SUBTOTAL STAGE 1			8040		737		1474		402		5025			0		70	
2	USH 14	54	104	5616	13	702	21	1134	10	540	18	972	2	1	2	0	0	
	STH 27	54	9	486	2	108	3	162	0	0	2	108	0	-	-	0	0	
	CTH T	54	0	0	5	270	8	432	0	0	6	324	0	-	-	0	0	CTH T (CLOSED)
	ADVANCED/WIDTH RESTRICTION	54	0	0	0	0	0	0	0	0	58	3132	0	-	-	0	0	ENTIRE DURATION
	SUBTOTAL STAGE 2			6102		1080		1728		540		4536			2		0	
3	USH 14	20	115	2300	13	260	21	420	8	160	21	420	0	-	-	0	0	
	STH 27	20	32	640	2	40	3	60	0	0	2	40	0	-	-	0	0	
	CTH T	20	0	0	5	100	8	160	0	0	6	120	0	-	-	0	0	CTH T (CLOSED)
	ADVANCED/WIDTH RESTRICTION	20	0	0	0	0	0	0	0	0	58	1160	0	-	-	0	0	ENTIRE DURATION
	SUBTOTAL STAGE 3			2940		400		640		160		1740			0		0	
4	USH 14	31	114	3534	7	217	13	403	8	248	19	589	0	-	-	0	0	
	STH 27	31	31	961	0	0	0	0	0	0	2	62	0	-	-	0	0	
	CTH T	31	0	0	5	155	8	248	0	0	6	186	0	-	-	0	0	CTH T (CLOSED)
	ADVANCED/WIDTH RESTRICTION	31	0	0	0	0	0	0	0	0	58	1798	0	-	-	0	0	ENTIRE DURATION
	SUBTOTAL STAGE 4			4495		372		651		248		2635			0		0	
5	5A - NW QUAD WORK	36	40	1440	5	180	8	288	0	0	4	144	0	-	-	2	72	SDD 15D37, FLAGGING
	CTH T	36	0	0	5	180	8	288	0	0	6	216	0	-	-	0	0	CTH T (CLOSED)
	ADVANCED/WIDTH RESTRICTION	36	0	0	0	0	0	0	0	0	58	2088	0	-	-	0	0	ENTIRE DURATION
	SUBTOTAL STAGE 5			1440		360		576		0		2448			0		72	
	UNDISTRIBUTED QTY			4604		590		1014		270		3277			-		0	
	PROJECT TOTALS			27621		3539		6083		1620		19661			2		142	

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PAVEMENT MARKING

STAGE	STATION - STATION	LT/RT	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.5120 EPOXY WORDS WHITE EACH	646.646 COLD WEATHER MARKING EPOXY 4-INCH LF	646.647 COLD WEATHER MARKING EPOXY 8-INCH LF	REMARKS
5	447+54 EBA - 462+65 EBA	LT	1,510	-	-	-	-	-	1510	-	EDGELINE
	457+24 EBA - 462+76 EBA	RT	553	-	-	-	-	-	553	-	EDGELINE
	457+24 EBA - 463+21 EBA	RT	-	597	-	-	-	-	597	-	USH 14, WEST SPLIT/ISLAND
	457+24 EBA - 463+12 EBA	LT	-	613	-	-	-	-	613	-	USH 14, WEST SPLIT/ISLAND
	457+48 EBA - 460+12 EBA	LT/RT	-	527	-	-	50	-	527	-	USH 14, WEST SPLIT/ISLAND
	463+15 EBA	RT	-	-	-	-	-	1	-	-	YIELD
	463+12 EBA - 463+35 EBA	LT/RT	-	-	125	-	-	-	-	125	WEST ISLAND
	463+35 EBA	RT	-	-	-	20	-	-	-	-	EB ENTRANCE
	464+98 WBA	LT	-	-	-	20	-	-	-	-	WB ENTRANCE
	464+98 WBA - 465+23 WBA	LT/RT	-	-	104	-	-	-	-	104	EAST ISLAND
	465+18 WBA	LT	-	-	-	-	-	1	-	-	YIELD
	465+13 WBA - END	LT	-	1,584	-	-	-	-	1584	-	USH 14, EAST SPLIT/ISLAND
	465+23 WBA - END	RT	-	1,596	-	-	-	-	1596	-	USH 14, EAST SPLIT/ISLAND
	468+71 WBA - 472+06 WBA	RT	-	669	-	-	54	-	669	-	USH 14, EAST SPLIT/ISLAND
	465+58 WBA - 470+43 WBA	RT	490	-	-	-	-	-	490	-	EDGELINE
	465+60 WBA - END	LT	1,536	-	-	-	-	-	1536	-	EDGELINE
	11+50 NBA - 21+85 NBA	RT	1,031	-	-	-	-	-	1031	-	EDGELINE
	11+50 NBA - 21+95 NBA	LT	1,049	-	-	-	-	-	1049	-	EDGELINE
	11+50 NBA - 22+24 NBA	LT	-	1,083	-	-	-	-	1083	-	STH 27, SPLIT/ISLAND
	11+50 NBA - 22+32 NBA	RT	-	1,082	-	-	-	-	1082	-	STH 27, SPLIT/ISLAND
	16+91 NBA - 19+11 NBA	LT	-	440	-	-	39	-	440	-	STH 27, SPLIT/ISLAND
	22+32 NBA	RT	-	-	-	-	-	1	-	-	YIELD
	22+24 NBA - 22+45 NBA	LT/RT	-	-	76	-	-	-	-	76	STH 27 ISLAND
	22+45 NBA	RT	-	-	-	20	-	-	-	-	STH 27 ENTRANCE
	50+00 TWB	LT	-	-	-	20	-	-	-	-	CTH T ENTRANCE
	50+00 TWB - 50+21 TWB	LT/RT	-	-	67	-	-	-	-	67	CTH T ISLAND
	50+15 TWB	LT	-	-	-	-	-	1	-	-	YIELD
	50+12 TWB - 54+80 TWB	LT	-	469	-	-	-	-	469	-	CTH T, SPLIT/ISLAND
	50+21 TWB - 54+80 TWB	RT	-	463	-	-	-	-	463	-	CTH T, SPLIT/ISLAND
	51+35 TWB - 54+32 TWB	LT/RT	-	541	-	-	76	-	541	-	CTH T, SPLIT/ISLAND
	50+47 TWB - END	LT	587	-	-	-	-	-	587	-	EDGELINE
	50+56 TWB - END	RT	567	-	-	-	-	-	567	-	EDGELINE
	PROJECT TOTAL		**16,987**		**372**	**80**	**219**	**4**	**16,987**	**372**	

3

TEMPORARY MARKING ITEMS

STAGE	STATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH SOLID WHITE LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH SOLID YELLOW LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SOLID WHITE LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH SOLID YELLOW LF	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH SOLID WHITE LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH SOLID WHITE LF	NOTES
1	100+00 1A - 105+00 1A	-	-		-	-	512	1023	-	-	EXIST PAVT TO REMAIN
	105+00 1A - 111+50 1A	3107	855	20	683	1199	-	-	25	-	
	112+00 1A - 121+50 1A	4595	-		1159	1839	-	-	-	-	
	121+50 1A - 128+06 1A	-	-		-	-	1082	1480	-	-	EXIST PAVT TO REMAIN
	SUBTOTAL STAGE 1	7702	855	20	1842	3038	1594	2503	25	0	
2	110+00 1A - 111+50 1A	312	-	-	-	-	-	-	-	-	PREVIOUS MARKINGS W/IN INTERSECTION
	100+00 1A - 105+00 1A	-	-	-	-	-	944	967	-	-	EXIST PAVT TO REMAIN
	105+00 1A - 121+50 1A	280	-	-	3308	3347	-	-	32	-	
	121+50 1A - 128+06 1A	-	-	-	-	-	933	931	-	-	EXIST PAVT TO REMAIN
	SUBTOTAL STAGE 2	592	0	0	3308	3347	1877	1898	32	0	
3	200+00 2A - 205+00 2A	-	-		200	-	400	1000	-	-	EXIST PAVT TO REMAIN
	205+00 2A - 210+00 2A	-	-		498	-	504	1001	-	-	
	210+00 2A - 214+00 2A	-	-		210	-	350	600	-	24	TAPE W/IN INTERSECITON/PERM PAVT
	214+00 2A - 221+50 2A	-	-		890	1561	823	-	-	-	
	221+50 2A - 228+00 2A	-	-		-	-	1277	1280	-	-	EXIST PAVT TO REMAIN
	302+00 1B - 310+00 1B	-	-		892	898	635	780	25	-	STH 27 LEG
	SUBTOTAL STAGE 3	0	0	0	2690	2459	3989	4661	25	24	
4	210+00 2A - 215+00 2A	-	-		241	200	109	-		-	INTERSECTION LOCATION CHANGE
	500+00 3A - 508+40 3A	-	-		-	-	1709	1590	-	30	STH 27 LEG
	SUBTOTAL STAGE 4	0	0	0	241	200	1818	1590	0	30	
	PROJECT TOTALS	**8294**	**855**	**20**	**17125**		**19930**		**82**	**54**	

3

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 (1640-04-72) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	SPV.0060.01 CONSTRUCTION STAKING ROUNDABOUT USH 14/61, STH 27 EACH	NOTES
1	PROJECT	-	-	-	-	-	-	1	-	1	
	VARIES	3	-	-	-	3	-	-	-	-	INLETS & TEMP CULVERTS/CULVERTS
	USH 14	-	2369	2369	-	-	-	-	-	-	TEMP PAVT AREA
	STH 27	-	485	485	-	-	-	-	-	-	TEMP PAVT AREA
	SUBTOTAL STAGE 1	3	2854	2854	0	3	0	1	0	1	
2	VAIRES	7	-	-	-	1	-	-	-	-	INLETS & CULVERTS/ENDWALLS
	51+86 TWB - 56+31 TWB	2	445	445	121	1	-	-	-	-	CTH T, OUTSIDE ISLAND
	202+43 2A - 222+23 2A	-	1924	1924	-	-	-	-	-	-	TEMP PAVT AREAS
	STH 27	2	-	-	-	2	-	-	-	-	STH 27, CUVLERTS & ENDWALLS
	16+50 NBA - 19+10 NBA	-	260	260	-	-	-	-	189	-	STH 27, OUTSIDE ISLAND
	SUBTOTAL STAGE 2	11	2629	2629	121	4	0	0	189	0	
3	455+24 EBA - 460+07 EBA	-	483	483	76	-	-	-	407	-	USH 14, OUTSIDE ISLAND
	VARIES	5	-	-	-	1	-	-	-	-	INLETS & CULVERTS/ENDWALLS
	16+50 NBA - 19+10 NBA	-	260	260	-	-	-	-	-	-	STH 27, OUTSIDE ISLAND
	502+41 3A - 507+47 3A	-	506	506	-	-	-	-	-	-	TEMP PAVT AREA
	SUBTOTAL STAGE 3	5	1249	1249	76	1	0	0	407	0	
4	18+38 NBA - 19+10 NBA	-	-	-	72	-	-	-	-	-	STH 27, OUTSIDE ISLAND
	VARIES	30	-	-	-	-	-	-	-	-	INLETS
	468+72 EBE - 478+02 EBE	-	930	930	-	-	-	-	930	-	USH 14, OUTSIDE ISLAND
	SUBTOTAL STAGE 4	30	930	930	72	0	0	0	930	0	
5	447+00 EBA - 460+06 EBA	-	1024	1024	-	-	-	-	1306	-	USH 14, OUTSIDE ISLAND
	468+74 EBE - 480+97 EBE	-	697	697	-	-	-	-	1223	-	USH 14, OUTSIDE ISLAND
	11+50 NBA - 16+50 NBA	-	-	-	-	-	500	-	1450	-	STH 27
	SUBTOTAL STAGE 5	0	1721	1721	0	0	500	0	3979	0	
	PROJECT TOTALS	49	9383	9383	269	8	500	1	5505	1	

3

SAWCUT

STAGE	STATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
1	111+40 1A	-	75	CONCRETE ISLAND
	101+50 1A - 111+00 1A	1033	-	USH 14 SHOULDER, TEMP PAVT
	111+50 1A - 126+00 1A	1490	-	USH 14 SHOULDER, TEMP PAVT
	SUBTOTAL STAGE 1	2523	75	
2	454+65 EBA - 457+24 EBA	260	-	USH 14 SHOULDER, TEMP PAVT
	457+24 EBA	15	-	USH 14 MAINLINE
	474+00 EBE	16	-	USH 14 MAINLINE
	474+00 EBE - 474+65 EBE	78	-	USH 14 SHOULDER, TEMP PAVT
	16+50 NBA	16	-	STH 27 MAINLINE
	56+31 TWB	22	-	CTH T MAINLINE
	SUBTOTAL STAGE 2	407	0	
3	453+70 EBA - 455+24 EBA	154	-	REMOVE TEMP PAVT
	455+24 EBA - 457+24 EBA	216	-	USH 14 MAINLINE
	504+35 3A - 507+45 3A	448	-	STH 27, TEMP PAVT
	16+50 NBA	16	-	STH 27 MAINLINE
	SUBTOTAL STAGE 3	834	0	
4	474+00 EBE - 478+02 EBE	417	-	USH 14 MAINLINE
	SUBTOTAL STAGE 4	417	0	
5	447+00 EBA - 457+24 EBA	1027	-	USH 14 MAINLINE
	456+95 EBA	14	-	DRIVEWAY
	457+24 EBA - 460+06 EBA	283	-	REMOVE TEMP PAVT
	468+75 EBE - 474+00 EBE	527	-	REMOVE TEMP PAVT
	474+00 EBE - 480+97 EBE	713	-	USH 14 MAINLINE
	17+74 NBA - 19+09 NBA	139	-	REMOVE TEMP PAVT
	11+50 NBA	30	-	STH 27 MAINLINE
	16+50 NBA	12	-	DRIVEWAY
	SUBTOTAL STAGE 5	2745	0	
	PROJECT TOTAL	**6926**	**75**	

CRACK AND DAMAGE SURVEY

LOCATION	999.1501.S CRACK AND DAMAGE SURVEY EACH	REMARKS
5761 COUNTY RD T	1	BUSINESS
5761 COUNTY RD T	1	RESIDENDE
E7702 HENDRICKSON RD	1	RESIDENDE
E7714 HENDRICKSON RD	1	RESIDENDE
S5771 WI-27	1	RESIDENDE
PROJECT TOTAL	**5**	

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\030201_MQ.DWG
LAYOUT NAME - 16
PLOT DATE : 7/29/2022 9:09 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42

Pull Boxes

Category	Station	Dir	Location	653.0164 Pull Boxes Non-Conductive 24x42-Inch EACH	Description
0010	50 TWB-Entry + 36	RIGHT	55	1	PB1
0010	50 TWB-Entry + 26	RIGHT	8	1	PB2
0010	50 TWB-Entry + 37	LEFT	38	1	PB3
0010	51 TWB-Entry + 58	LEFT	24	1	PB4
0010	53 TWB-Entry + 0	LEFT	24	1	PB5
0010	463 14EB-Entry + 15	LEFT	106	1	PB6
0010	463 14EB-Entry + 6	LEFT	26	1	PB7
0010	462 14EB-Entry + 80	RIGHT	38	1	PB8
0010	461 14EB-Entry + 65	RIGHT	25	1	PB9
0010	460 14EB-Entry + 13	RIGHT	24	1	PB10
0010	22 27NB-Entry + 10	LEFT	79	1	PB11
0010	22 27NB-Entry + 13	LEFT	11	1	PB12
0010	22 27NB-Entry + 5	RIGHT	38	1	PB13
0010	20 27NB-Entry + 8	RIGHT	25	1	PB14
0010	19 27NB-Entry + 24	RIGHT	24	1	PB15
0010	465 14WB-Entry + 20	RIGHT	102	1	PB16
0010	465 14WB-Entry + 25	RIGHT	20	1	PB17
0010	465 14WB-Entry + 32	LEFT	41	1	PB18
0010	466 14WB-Entry + 92	LEFT	27	1	PB19
0010	468 14WB-Entry + 50	LEFT	23	1	PB20
			Total	**20**	

Lighting Bases

Category	Station	Dir	Location	654.0105 Concrete Bases Type 5 EACH	Description
0010	50 TWB-Entry + 36	RIGHT	72	1	LB1
0010	50 TWB-Entry + 29	LEFT	37	1	LB2
0010	51 TWB-Entry + 61	LEFT	22	1	LB3
0010	53 TWB-Entry + 4	LEFT	23	1	LB4
0010	463 14EB-Entry + 17	LEFT	111	1	LB5
0010	462 14EB-Entry + 87	RIGHT	37	1	LB6
0010	461 14EB-Entry + 61	RIGHT	22	1	LB7
0010	460 14EB-Entry + 8	RIGHT	24	1	LB8
0010	22 27NB-Entry + 12	LEFT	80	1	LB9
0010	21 27NB-Entry + 98	RIGHT	35	1	LB10
0010	20 27NB-Entry + 77	RIGHT	22	1	LB11
0010	19 27NB-Entry + 19	RIGHT	23	1	LB12
0010	465 14WB-Entry + 18	RIGHT	101	1	LB13
0010	465 14WB-Entry + 26	LEFT	38	1	LB14
0010	466 14WB-Entry + 95	LEFT	24	1	LB15
0010	468 14WB-Entry + 50	LEFT	23	1	LB16
			Total	**16**	

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	50 TWB-Entry + 36	RIGHT	72.3	1	1	1	1	LB1
0010	50 TWB-Entry + 29	LEFT	36.7	1	1	1	1	LB2
0010	51 TWB-Entry + 61	LEFT	21.7	1	1	1	1	LB3
0010	53 TWB-Entry + 4	LEFT	22.8	1	1	1	1	LB4
0010	463 14EB-Entry + 17	LEFT	110.8	1	1	1	1	LB5
0010	462 14EB-Entry + 87	RIGHT	37.0	1	1	1	1	LB6
0010	461 14EB-Entry + 61	RIGHT	21.8	1	1	1	1	LB7
0010	460 14EB-Entry + 8	RIGHT	23.5	1	1	1	1	LB8
0010	22 27NB-Entry + 12	LEFT	79.9	1	1	1	1	LB9
0010	21 27NB-Entry + 98	RIGHT	35.4	1	1	1	1	LB10
0010	20 27NB-Entry + 77	RIGHT	22.3	1	1	1	1	LB11
0010	19 27NB-Entry + 19	RIGHT	22.8	1	1	1	1	LB12
0010	465 14WB-Entry + 18	RIGHT	101.0	1	1	1	1	LB13
0010	465 14WB-Entry + 26	LEFT	38.3	1	1	1	1	LB14
0010	466 14WB-Entry + 95	LEFT	24.2	1	1	1	1	LB15
0010	468 14WB-Entry + 50	LEFT	22.8	1	1	1	1	LB16
			Total	**16**	**16**	**16**	**16**	

Electrical Items

Category	Station	Dir	Location	656.0201 Electrical Service Meter Breaker Pedestal EACH	650.8501 Construction Staking Electrical Installations EACH	654.0224 Concrete Control Cabinet Bases Type L24 EACH	659.2124 Lighting Control Cabinets 120/240 24-inch EACH	Description
0010	465 14WB-Entry + 7	LEFT	49	1		1	1	LC1
0010	465 14WB-Entry + 7	LEFT	49		1			Project
			Total	**1**	**1**	**1**	**1**	

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	465	14WB-Entry + 07	to	50	TWB-Entry + 36		44	LC1 to PB1
0010	50	TWB-Entry + 36	to	50	TWB-Entry + 36	5		PB1 to LB1
0010	50	TWB-Entry + 36	to	50	TWB-Entry + 26	50		PB1 to PB2
0010	50	TWB-Entry + 26	to	50	TWB-Entry + 37	47		PB2 to PB3
0010	50	TWB-Entry + 37	to	50	TWB-Entry + 29	5		PB3 to LB2
0010	50	TWB-Entry + 37	to	51	TWB-Entry + 58	123		PB3 to PB4
0010	51	TWB-Entry + 58	to	51	TWB-Entry + 61	4		PB4 to LB3
0010	51	TWB-Entry + 58	to	53	TWB-Entry + 00	144		PB4 to PB5
0010	53	TWB-Entry + 00	to	53	TWB-Entry + 04	4		PB5 to LB4
0010	50	TWB-Entry + 37	to	463	14EB-Entry + 15	82		PB3 to PB6
0010	463	14EB-Entry + 15	to	463	14EB-Entry + 17	6		PB6 to LB5
0010	463	14EB-Entry + 15	to	463	14EB-Entry + 06	81		PB6 to PB7
0010	463	14EB-Entry + 06	to	462	14EB-Entry + 80	68		PB7 to PB8
0010	462	14EB-Entry + 80	to	462	14EB-Entry + 87	5		PB8 to LB6
0010	462	14EB-Entry + 80	to	461	14EB-Entry + 65	111		PB8 to PB9
0010	461	14EB-Entry + 65	to	461	14EB-Entry + 61	5		PB9 to LB7
0010	461	14EB-Entry + 65	to	460	14EB-Entry + 13	154		PB9 to PB10
0010	460	14EB-Entry + 13	to	460	14EB-Entry + 08	6		PB10 to LB8
0010	462	14EB-Entry + 80	to	22	27NB-Entry + 10	50		PB8 to PB11
0010	22	27NB-Entry + 10	to	22	27NB-Entry + 12	4		PB11 to LB9
0010	22	27NB-Entry + 10	to	22	27NB-Entry + 13	69		PB11 to PB12
0010	22	27NB-Entry + 13	to	22	27NB-Entry + 05	49		PB12 to PB13
0010	22	27NB-Entry + 05	to	21	27NB-Entry + 98	5		PB13 to LB10
0010	22	27NB-Entry + 05	to	20	27NB-Entry + 08	124		PB13 to PB14
0010	20	27NB-Entry + 08	to	20	27NB-Entry + 77	4		PB14 to LB11
0010	20	27NB-Entry + 08	to	19	27NB-Entry + 24	158		PB14 to PB15
0010	19	27NB-Entry + 24	to	19	27NB-Entry + 19	5		PB15 to LB12
0010	22	27NB-Entry + 05	to	465	14WB-Entry + 20	78		PB13 to PB16
0010	465	14WB-Entry + 20	to	465	14WB-Entry + 18	4		PB16 to LB13
0010	465	14WB-Entry + 20	to	465	14WB-Entry + 25	82		PB16 to PB17
0010	465	14WB-Entry + 25	to	465	14WB-Entry + 32	62		PB17 to PB18
0010	465	14WB-Entry + 32	to	465	14WB-Entry + 26	4		PB18 to LB14
0010	465	14WB-Entry + 32	to	466	14WB-Entry + 92	143		PB18 to PB19
0010	466	14WB-Entry + 92	to	466	14WB-Entry + 95	5		PB19 to LB15
0010	466	14WB-Entry + 92	to	468	14WB-Entry + 50	159		PB19 to PB20
0010	468	14WB-Entry + 50	to	468	14WB-Entry + 50	4		PB20 to LB16
0010	465	14WB-Entry + 32	to	465	14WB-Entry + 07		33	PB18 to LC1
					Total	**1910**	**77**	

Street Light Wire

Category	Station		to	Station		655.0610 Electrical Wire Lighting 12 AWG LF	655.0615 Electrical Wire Lighting 10 AWG LF	Description	
0010	465	14WB-Entry + 07	to	051	TWB-Entry + 58	1705		LC1 to PB4	Circuit A
0010	051	TWB-Entry + 58	to	053	TWB-Entry + 04	517		PB4 to LB4	Circuit A Cont.
0010	465	14WB-Entry + 07	to	468	14WB-Entry + 50	1227		LC1 to LB16	Circuit B
0010	465	14WB-Entry + 07	to	019	27NB-Entry + 19	1994		LC1 to LB12	Circuit C
0010	465	14WB-Entry + 07	to	461	14EB-Entry + 65		2025	LC1 to PB9	Circuit D
0010	461	14EB-Entry + 65	to	460	14EB-Entry + 08		551	PB9 to LB8	Circuit D Cont.
0010	050	TWB-Entry + 36				150		LB1 Up Pole	
0010	050	TWB-Entry + 29				150		LB2 Up Pole	
0010	051	TWB-Entry + 61				150		LB3 Up Pole	
0010	053	TWB-Entry + 04				150		LB4 Up Pole	
0010	463	14EB-Entry + 17				150		LB5 Up Pole	
0010	462	14EB-Entry + 87				150		LB6 Up Pole	
0010	461	14EB-Entry + 61				150		LB7 Up Pole	
0010	460	14EB-Entry + 08				150		LB8 Up Pole	
0010	022	27NB-Entry + 12				150		LB9 Up Pole	
0010	021	27NB-Entry + 98				150		LB10 Up Pole	
0010	020	27NB-Entry + 77				150		LB11 Up Pole	
0010	019	27NB-Entry + 19				150		LB12 Up Pole	
0010	465	14WB-Entry + 18				150		LB13 Up Pole	
0010	465	14WB-Entry + 26				150		LB14 Up Pole	
0010	466	14WB-Entry + 95				150		LB15 Up Pole	
0010	468	14WB-Entry + 50				150		LB16 Up Pole	
					Total	**7843**	**2577**		

3

TRANSPORTATION PROJECT PLAT NO: 1640-04-22 - 4.01

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 , THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, TOWNSHIP 12 NORTH, RANGE 4 WEST, TOWN OF FRANKLIN, VERNON COUNTY, WISCONSIN

RELOCATION ORDER USH 14 WESTBY - READSTOWN (EAST JUNCTION STH 27) VERNON 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.

NOT TO SCALE

SHEET LOCATION T12N



R&W LOCATION SKETCH

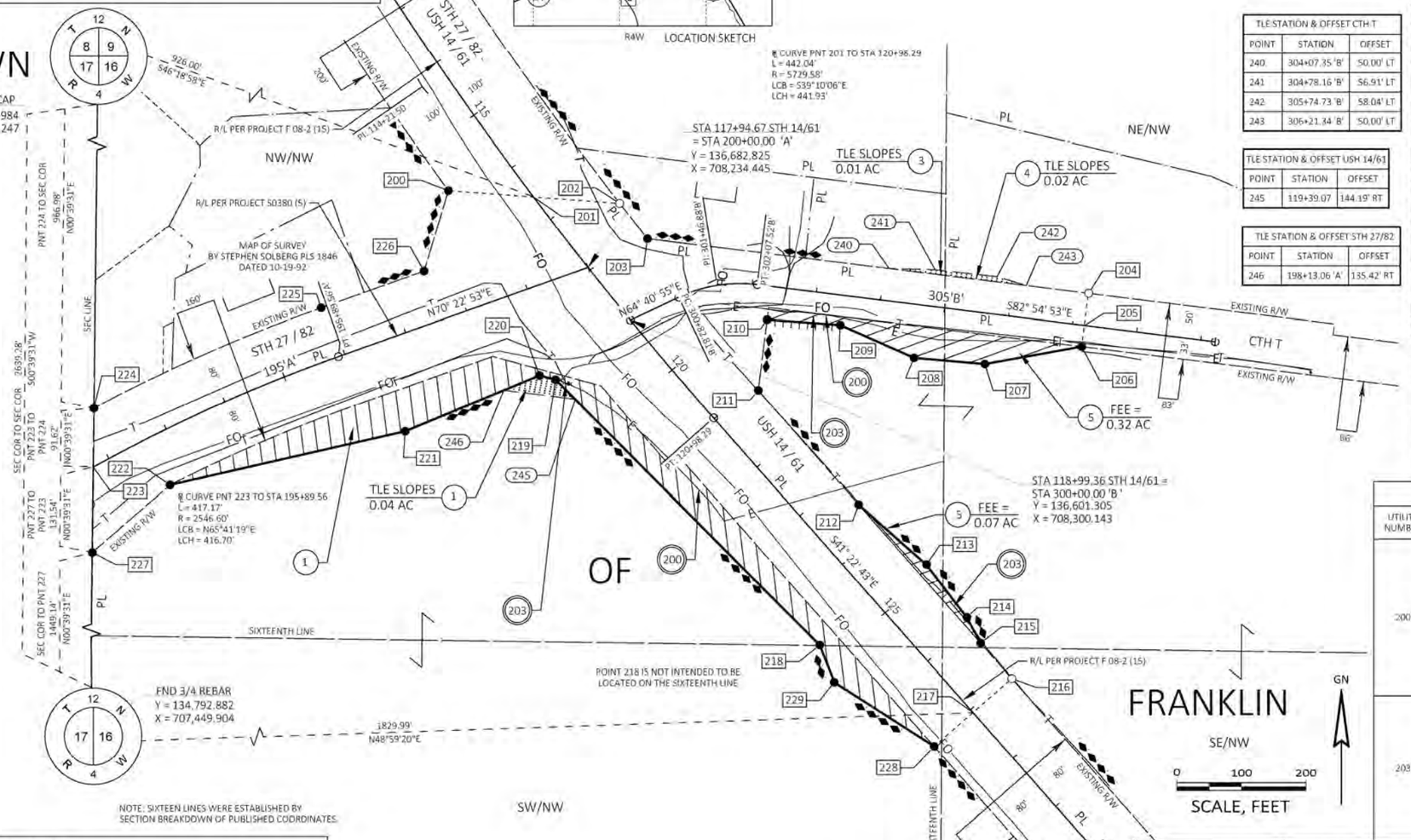
POINT	BEARING	DISTANCE
200 - 201	S85° 44' 40"E	132.07'
201 - 202	S85° 44' 40"E	133.85'
202 - 203	S38° 12' 37"E	69.68'
203 - 204	S62° 54' 53"E	688.87'
204 - 205	S07° 35' 52"W	50.00'
205 - 206	S07° 35' 52"W	33.00'
206 - 207	S79° 48' 10"W	152.29'
207 - 208	N85° 00' 18"W	110.11'
208 - 209	N66° 08' 32"W	125.00'
209 - 210	N85° 45' 29"W	113.60'
210 - 211	S07° 05' 56"W	110.69'
211 - 212	S41° 22' 43"E	235.19'
212 - 213	S48° 40' 38"E	140.05'
213 - 214	S37° 20' 53"E	103.24'
214 - 215	S27° 54' 14"E	45.22'
215 - 216	S41° 22' 43"E	73.00'
216 - 217	S48° 45' 50"W	80.00'
217 - 228	S48° 45' 50"W	80.00'
228 - 229	N57° 14' 10"W	184.13'
229 - 218	N21° 19' 56"W	61.68'
218 - 219	N44° 52' 37"W	579.94'
219 - 220	N75° 15' 15"W	25.68'
220 - 221	S67° 23' 23"W	225.55'
221 - 222	S77° 10' 26"W	373.50'
222 - 227	S49° 09' 27"W	159.09'
224 - 225	SEE CURVE DATA	
225 - 226	N70° 22' 53"E	169.40'
226 - 200	N16° 46' 11"E	130.52'

CURVE 224-225
L = 384.93'
R = 2626.60'
LCB = N66°10'59"E
LCH = 384.59'

STH 27/82
PI STA = 187+09.84 'A'
Y = 136221.073
X = 706939.016
LCB = N49° 37' 53"E
LCH = 1804.48'
DELTA = 41°30'00"RT
D = 2°15'00"
T = 964.82'
L = 1844.53'
R = 2546.60'
PC STA = 177+45.02 'A'
PT STA = 195+89.56 'A'
DB = N28°52'53"E
DA = N70°22'53"E

USH 14/61
PI STA = 114+21.50
Y = 136962.444
X = 707977.394
LCB = S34° 34' 43"E
LCH = 1356.62'
DELTA = 13°36'00"LT
D = 1°00'00"
T = 683.21'
L = 1360.01'
R = 5729.58'
PC STA = 107+38.28
PT STA = 120+98.29
DB = S27°46'43"E
DA = S41°22'43"E

CTH T
PI STA = 301+46.88'B'
Y = 136664.116
X = 708432.917
LCB = N80° 53' 01"E
LCH = 123.05'
DELTA = 32°24'12"RT
D = 25°59'00"
T = 64.07'
L = 124.71'
R = 220.51'
PC STA = 300+82.81'B'
PT STA = 302+07.52'B'
DB = N64°40'55"E
DA = S82°54'53"E



RW STATION & OFFSET CTH T				
POINT	STATION	OFFSET	Y COORDS	X COORDS
204	307+18.84 'B'	50.00'LT	136642.764	709010.084
205	307+18.39 'B'	0.00'LT	136593.201	709003.473
206	307+18.10 'B'	33.00'RT	136560.489	708999.110
207	305+72.69 'B'	78.24'RT	136533.529	708849.229
208	304+62.65 'B'	82.26'RT	136543.117	708739.534
209	303+42.97 'B'	46.19'RT	136593.675	708625.215
210	302+29.51 'B'	51.82'RT	136602.078	708511.925

RW STATION & OFFSET STH 27/82				
POINT	STATION	OFFSET	Y COORDS	X COORDS
220	198+73.08 'A'	132.29'RT	136515.605	708159.312
221	196+47.84 'A'	144.06'RT	136428.886	707951.095
222	192+65.95 'A'	80.00'RT	136345.972	707586.918
223	191+72.39 'A'	0.00' LT	136373.461	707468.077
224	192+16.35 'A'	80.00'LT	136465.070	707469.130
225	195+89.56 'A'	80.00'LT	136620.372	707820.967
226	197+58.96 'A'	80.00'LT	136677.249	707980.533
227	191+04.24 'A'	113.43'RT	136241.930	707466.564

TLE STATION & OFFSET CTH T		
POINT	STATION	OFFSET
240	304+07.35 'B'	50.00' LT
241	304+78.16 'B'	56.91' LT
242	305+74.73 'B'	58.04' LT
243	306+21.84 'B'	50.00' LT

TLE STATION & OFFSET USH 14/61		
POINT	STATION	OFFSET
245	119+39.07	144.19' RT

TLE STATION & OFFSET STH 27/82		
POINT	STATION	OFFSET
246	198+13.06 'A'	135.42' RT

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1640-04-22-4.01
SHEET 1 OF 2

MARILYN HAUGE
REGISTER OF DEEDS
VERNON COUNTY, WI
522879
08/25/2021 02:41 PM
RECORDING FEE: 25.00
TRANSFER FEE: 0.00
PAGE COUNT: 2

RW STATION & OFFSET USH 14/61				
POINT	STATION	OFFSET	Y COORDS	X COORDS
200	115+70.72	100.00'RT	136802.215	708018.190
201	116+56.25	0.00'LT	136792.415	708149.896
202	117+46.01	100.00'LT	136782.482	708283.379
203	118+16.93	100.00'LT	136727.733	708326.478
211	121+12.20	80.00'LT	136492.233	708498.245
212	123+47.39	80.00'LT	136315.755	708653.714
213	124+86.31	97.79'LT	136223.277	708758.895
214	125+89.30	90.54'LT	136141.207	708821.525
215	126+33.27	80.00'LT	136101.246	708842.687
216	127+06.27	80.00'LT	136046.470	708890.943
217	127+06.07	0.00' LT	135993.737	708830.782
218	124+70.80	109.17'RT	136098.111	708593.344
219	118+97.10	148.18'RT	136509.068	708184.147
228	127+05.87	80.00'RT	135941.003	708770.622
229	125+28.75	130.31'RT	136040.652	708615.784

UTILITY INTEREST REQUIRED		
UTILITY NUMBER	OWNERS	INTEREST REQUIRED
200	VERNON ELECTRIC	RELEASE OF RIGHTS
203	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL (S)	RECORDING INFORMATION	UTILITY NAME
200	1	VOL. 99, PG. 215, DOC. NO. 165297	VERNON ELECTRIC COOPERATIVE
	3	VOL. 99, PG. 215, DOC. NO. 165297	
	4	VOL. 99, PG. 216, DOC. NO. 165298	
	5	VOL. 99, PG. 216, DOC. NO. 165298 VOL. 101, PG. 138, DOC. NO. 165299	
203	1	NO EASEMENT OF RECORD	FRONTIER COMMUNICATIONS
	4	VOL. 158, PG. 82, DOC. NO. 233649	
	5	VOL. 158, PG. 82, DOC. NO. 233649 VOL. 187, PG. 599, DOC. NO. 247000	

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W NEW AC	R/W EXISTING AC	R/W TOTAL AC	TLE AC
1	JERRY D. CADE, JEFFERY D. CADE, AND ETAL	FEE/TLE	1.25	3.41	4.66	0.04
3	JAMES L. HANSON	TLE	--	--	--	.01
4	BRANDON C. LAMERE & ELIZABETH A. LEIS	FEE/TLE	--	0.25	0.25	.02
5	KEVIN W. & KIMBERLI S. ROBSON	FEE/AR	0.39	2.12	2.51	--

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

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), VERNON COUNTY, NAD83 (2011) 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"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LACROSSE.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, FOR ADDITIONAL INFORMATION.

AUGMENTS SHOWN ON THIS TPP ARE DIFFERENT THAN SHOWN ON PLAN SHEETS FOR THIS PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH 27/82
ESTABLISHED FROM PROJECT 5 0380 (5) AND MAP OF SURVEY BY STEPHEN SOLBERG DATED 10-19-92
EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 14/61
ESTABLISHED FROM PROJECT F 08-2(15) AND TPP 1646-07-27-4.02
EXISTING HIGHWAY RIGHT-OF-WAY FOR CTH T
ESTABLISHED FROM PROJECT F 08-2(15) AND TPP 1646-07-27-4.02

ACCESS CONTROL FOR USH 14/61 ESTABLISHED FROM PROJECT NO. 1647-05-21

SEH
10 N BRIDGE ST
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 WISCONSIN 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: 8-19-2021
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION
SIGNATURE: Cory Schlagel DATE: 8/25/2021
PRINT NAME: CORY SCHLAGEL

FILE NAME : M:\UZ\W\WITSW\151435\C3D\16400402\RW\16400422_TPP.DWG
APPRAISAL PLAT DATE : 8-5-2021
PLOT DATE : 8/19/2021 11:27 AM
PLOT BY : NICK ENGH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

1604-04-22 4.01



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
1640-04-22
WESTBY - READSTOWN
EAST JUNCTION STH 27
USH 14
VERNON COUNTY

4

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE, AND OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W — (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMP. LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
BUILDING (TO BE REMOVED)
BRIDGE

PARCEL NUMBER 25
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION

UTILITY NUMBER 40
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.) (TYPE)
SIGN SIGN
OFF-PREMISE SIGN 41-25 SIGN

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

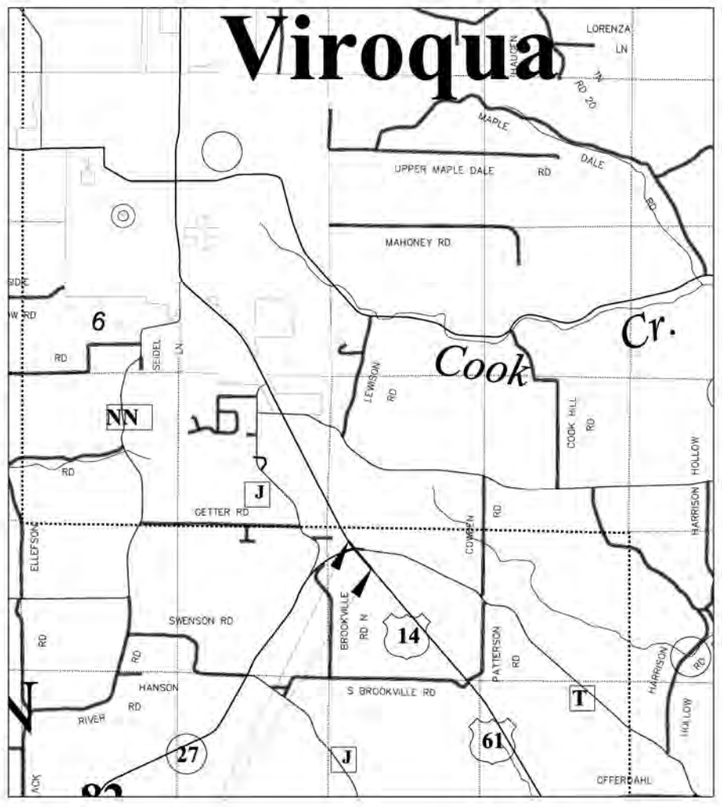
CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W WATER
G GAS
T TELEPHONE
OH OVERHEAD TRANSMISSION LINES
E ELECTRIC
TV CABLE TELEVISION
FO FIBER OPTIC
SAN SANITARY SEWER
SS STORM SEWER

GN



PROJECT LOCATION

LAYOUT
SCALE 0 .5 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1640-04-22

4

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS) VERNON COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

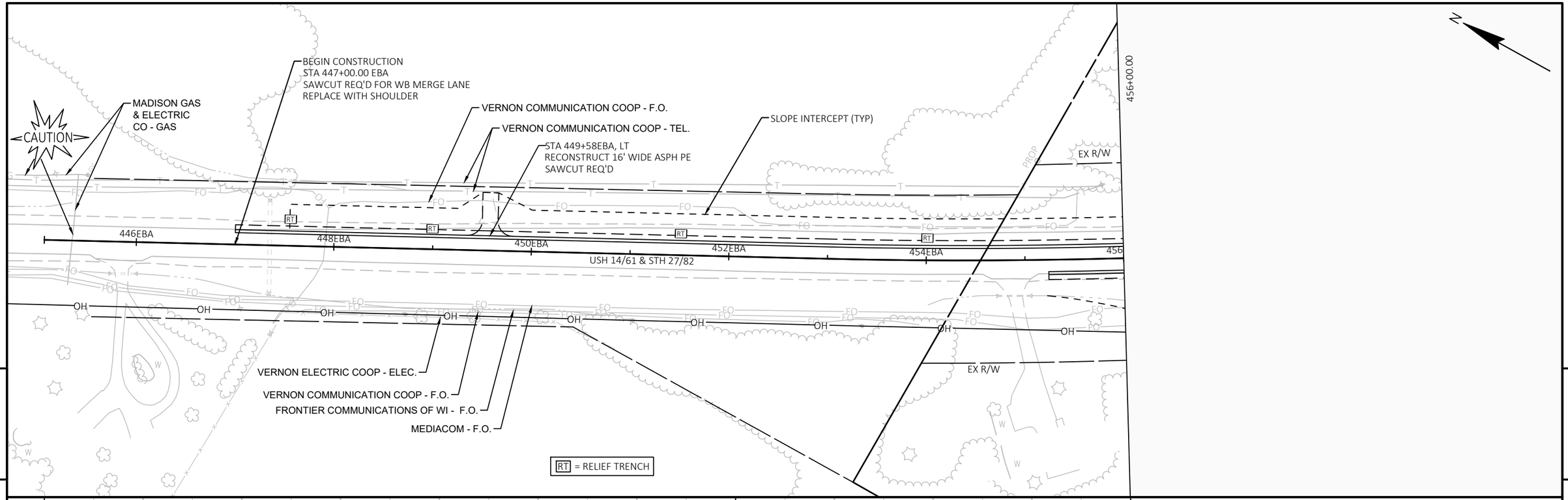
FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN LACROSSE.

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

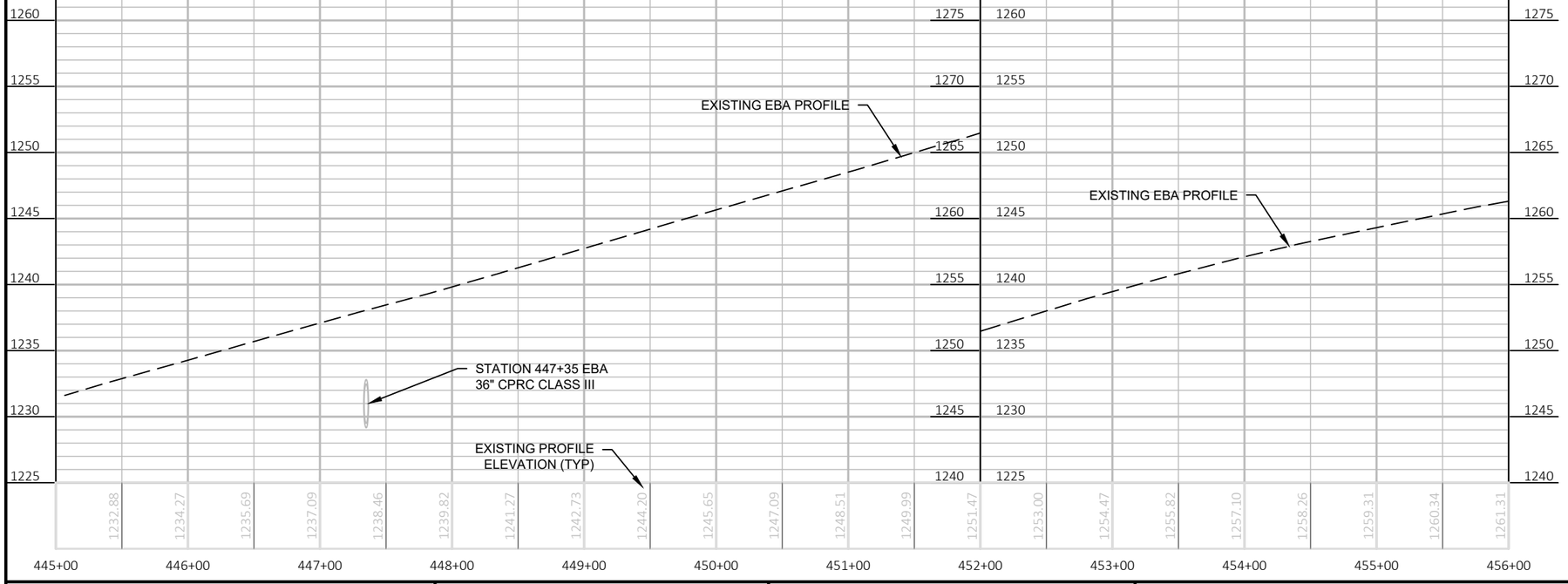
INFORMATION FOR THE BASIS OF EXISTING RIGHT-OF-WAY POINT OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL SHEET.

PROJECT NUMBER 1640-04-22 -4.01
SHEET 2 OF 2

FILE NAME : M:\UZ\W\WITSW\151435\C3D\16400402\RW\16400422_TPP.DWG
LAYOUT NAME: 02
PLOT DATE : 8/19/2021 11:27 AM
PLOT BY : NICK ENGH
PLOT NAME :
APPRAISAL PLAT DATE: 6-15-2021
1640-04-22 4.01



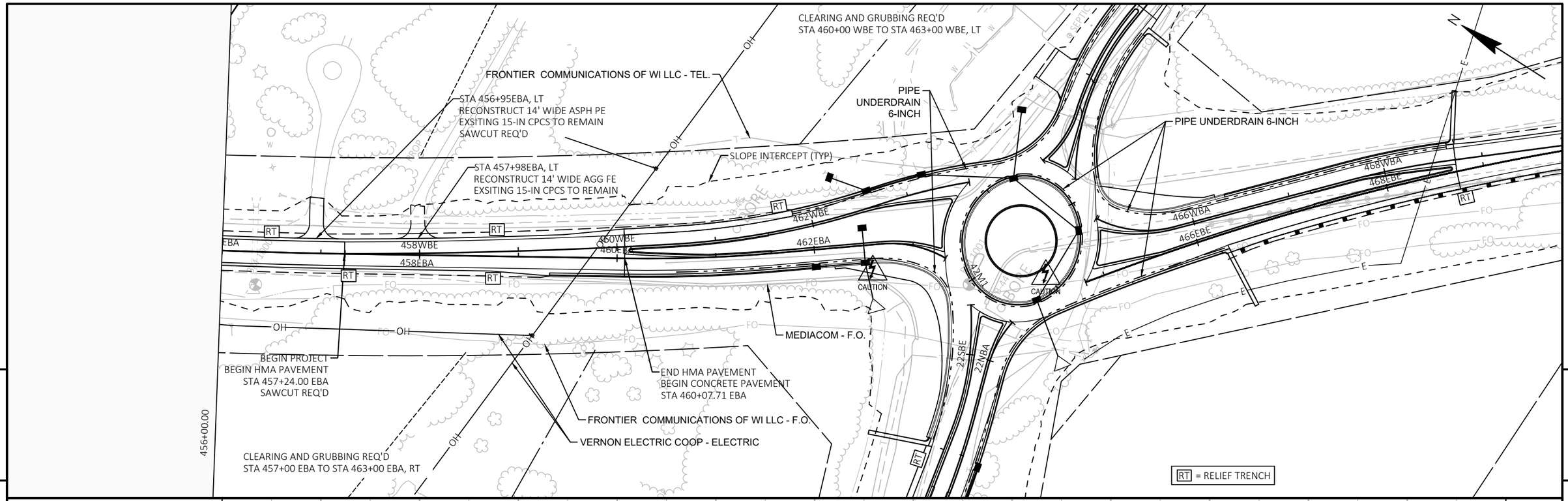
EBA PROFILE

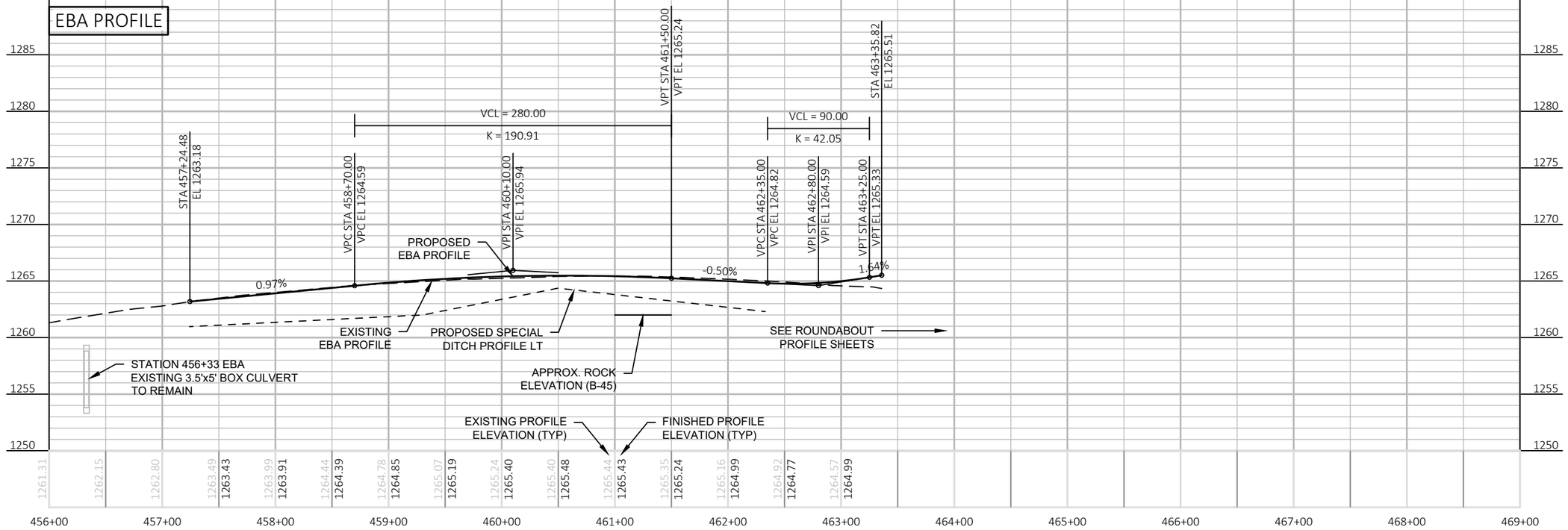


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: USH 14	SHEET 173	E

FILE NAME : P:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\050201-PP.DWG
LAYOUT NAME - 01 - 14-EBA

PLOT DATE : 7/28/2022 10:57 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT





5

5

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: USH 14	SHEET 174	E

CLEARING AND GRUBBING REQ'D
STA 468+00 WBA TO STA 472+00 WBA, LT

RT = RELIEF TRENCH

VERNON ELECTRIC COOP - ELEC.

1-10'x36" CPRC CLASS III REQ'D
1-36" CONCRETE AEW REQ'D
1 CONCRETE COLLAR REQ'D

SLOPE INTERCEPT (TYP)

FRONTIER COMMUNICATIONS OF WI LLC - TEL.

PIPE
UNDERDRAIN
6-INCH

STA 475+05.38EBE, LT
RECONSTRUCT 14' WIDE AGG FE

466WBA
466EBE
468WBA
468EBE
470WBA
470EBE
472WBA
472EBE
474EBE
476EBE

478+00.00

22NBA
22SBE
42MT
CAUTION

END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT
STA 468+72.40 EBE

STA 475+15.68EBE, RT
RECONSTRUCT 12' WIDE AGG FE

FRONTIER COMMUNICATIONS OF WI LLC - F.O.

1-10'x36" CPRC CLASS III REQ'D
1-36" CONCRETE AEW REQ'D
1 CONCRETE COLLAR REQ'D

STA 22+39.76NBA, RT
EXISTING 10' WIDE HMA/AGG FE
TO BE REMOVED

MEDIACOM - F.O.

END PROJECT
END HMA PAVEMENT
STA 474+00.00 EBE
SAWCUT REQ'D

CLEARING AND GRUBBING REQ'D
STA 468+00 EBE TO STA 471+00 EBE, RT

5

5

EBE PROFILE

STA 464+79.89
EL 1263.76

PROPOSED EBE PROFILE

SEE ROUNDABOUT
PROFILE SHEETS

-1.98%

EXISTING EBE PROFILE

STA 470+75.00
EL 1252.00

STA 474+00.00
EL 1246.17

-1.79%

STATION 470+92 EBE
EXISTING 36" CPRC
SKEW 9° RHF
TO REMAIN

EXISTING PROFILE
ELEVATION (TYP)

FINISHED PROFILE
ELEVATION (TYP)

1260
1255
1250
1245
1240
1235
1230
1225

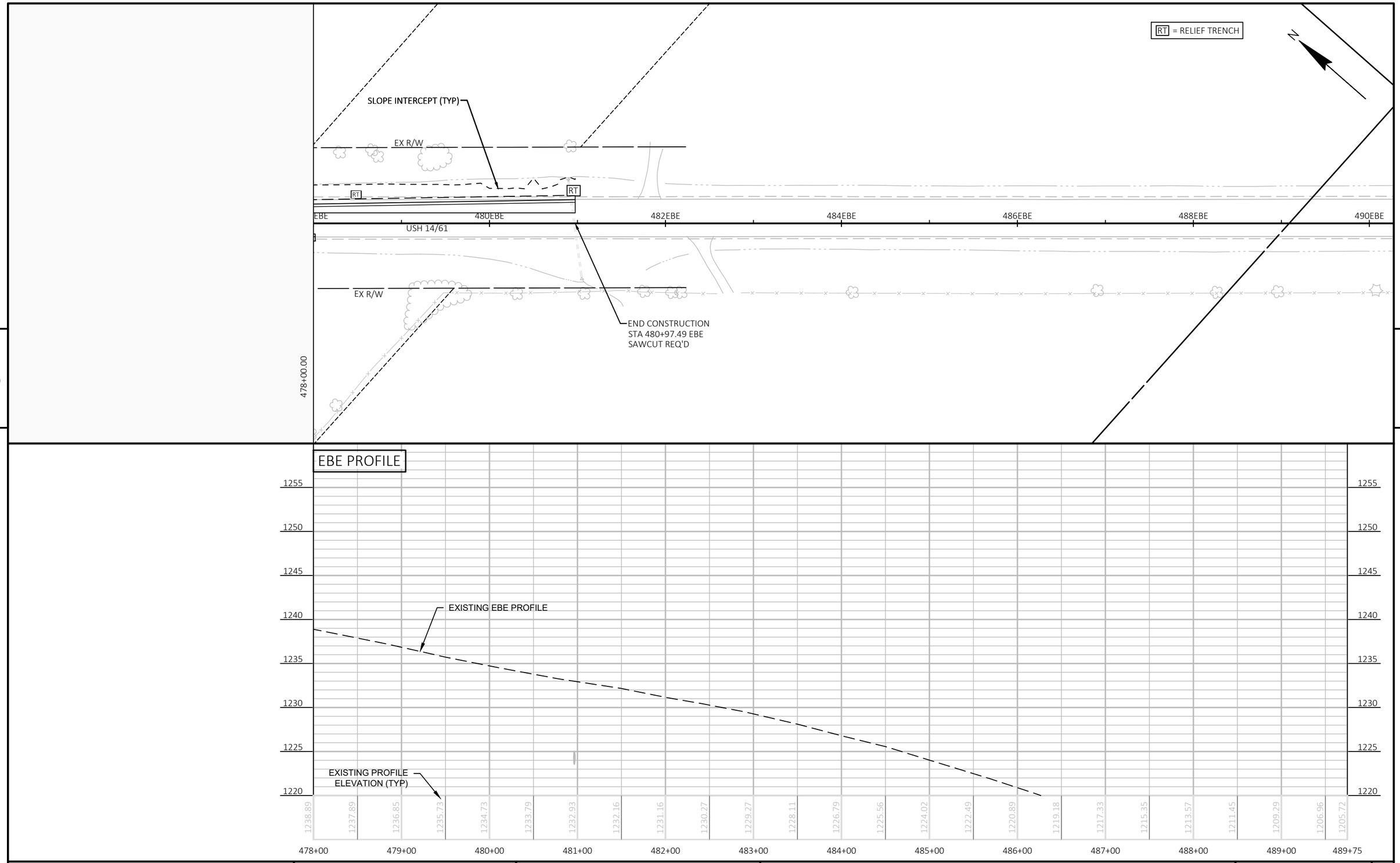
463+00	464+00	465+00	466+00	467+00	468+00	469+00	470+00	471+00	472+00	473+00	474+00	475+00	476+00	477+00	478+00
	1263.36	1262.37	1261.39	1260.40	1259.41	1258.42	1257.43	1256.44	1255.46	1254.47	1253.48	1252.49	1251.55	1250.65	1249.76	1248.86	1247.96	1247.07								
1256.97		1257.98		1259.03		1258.96		1258.92		1258.53		1257.42		1256.32		1255.37		1254.43		1253.47		1252.49		1251.51	1250.58	1249.77	1248.94	1248.02	1247.04	1246.17	1245.31	1244.39	1243.42	1242.50	1241.58	1240.66	1239.88	1238.89

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: USH 14	SHEET 175	E

FILE NAME : P:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\050201-PP.DWG
LAYOUT NAME - 03 - 14-EBE

PLOT DATE : 7/28/2022 10:57 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: USH 14	SHEET 176	E

FILE NAME : P:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\050201-PP.DWG
LAYOUT NAME - 04 - 14-EBE

PLOT DATE : 7/28/2022 10:57 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

RT = RELIEF TRENCH

1-10'x72" CPRC CLASS III REQ'D
1-72" CONCRETE AEW REQ'D
1 CONCRETE COLLAR REQ'D

MEDIACOM - F.O.

FRONTIER COMMUNICATIONS OF WI LLC - F.O.

462EBA

462WBE

CAUTION

PIPE UNDERDRAIN 6-INCH

FRONTIER COMMUNICATIONS OF WI LLC - TEL.

STA 16+46NBA, LT
RECONSTRUCT 20' WIDE ASPH PE
EXSITING 15-IN CPCS TO REMAIN
SAWCUT REQ'D

RT

18SBE
18NBA

20SBE
20NBA

22SBE
22NBA

16NBA

14NBA

12NBA

1-6'x72" CPRC CLASS III REQ'D
1-72" CONCRETE AEW REQ'D
1 CONCRETE COLLAR REQ'D

VERNON COMMUNICATION COOP - F.O.

FRONTIER COMMUNICATIONS OF WI LLC - TEL.

CLEARING AND GRUBBING REQ'D
STA 16+00 NBA TO STA 23+00 NBA RT

1-29'x24" CPCS REQ'D
1-24" STEEL AEW REQ'D
1 CONCRETE COLLAR REQ'D

SLOPE INTERCEPT (TYP)

END HMA PAVEMENT
BEGIN CONCRETE PAVEMENT
STA 19+10.40 NBA

STA 22+39.76NBA, RT
EXISTING 10' WIDE HMA/AGG FE
TO BE REMOVED

BEGIN CONSTRUCTION
STA 11+50.00 NBA
SAWCUT REQ'D
MATCH EXISTING

11WCP

CAUTION

466WBA

466EBE

127WB

N

5

5

NBA PROFILE

SEE ROUNDABOUT PROFILE SHEETS

VCL = 400.00

K = 121.98

STA 16+50.00
EL 1268.39

VPC STA 18+00.00
VPC EL 1265.44

VPI STA 20+00.00
VPI EL 1261.52

VPT STA 22+00.00
VPT EL 1264.16

STA 22+45.30
EL 1264.76

STATION 11+92 NBA
18" CPCS

-1.96%

PROPOSED NBA PROFILE

1.32%

STATION 16+69 NBA
EXISTING 72" CPRC
SKEW 21 ° LHF
TO REMAIN

EXISTING NBA PROFILE

STATION 18+02 NBA
EXISTING 24" CPCS
SKEW 16° LHR
TO REMAIN

EXISTING PROFILE ELEVATION (TYP)

FINISHED PROFILE ELEVATION (TYP)

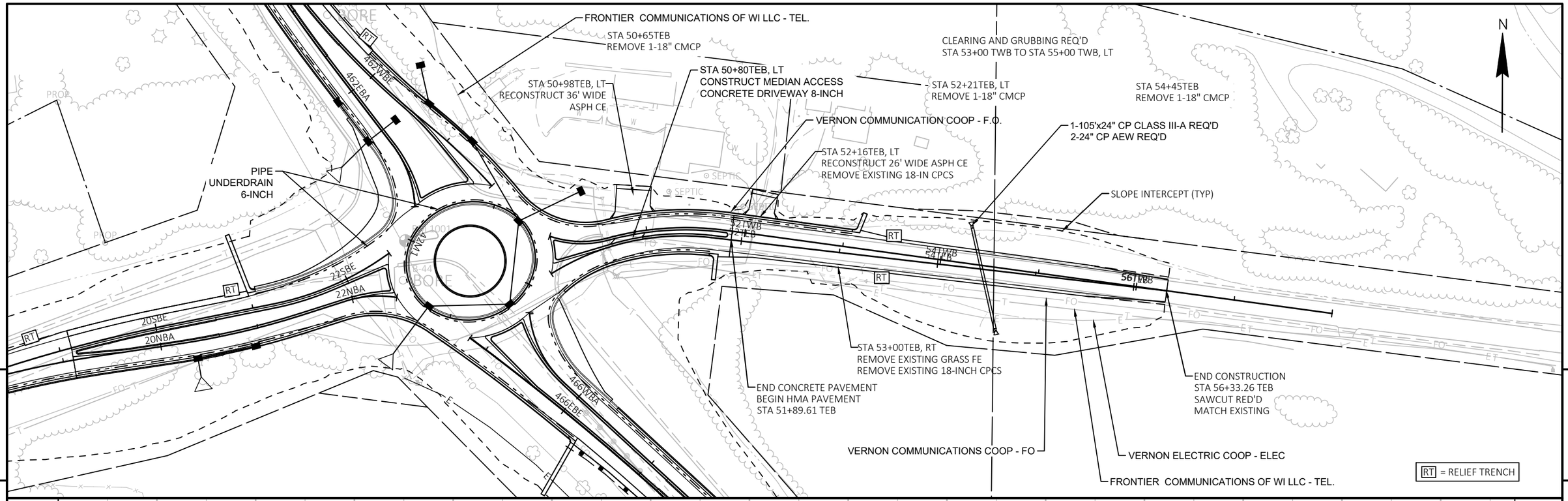
11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00	23+00	24+00	25+00	25+75
1281.72	1280.54	1279.25	1277.93	1276.66	1275.43	1274.18	1272.92	1271.74	1270.63	1269.53	1268.39	1267.30	1266.40	1265.54	1264.81
											1268.39	1267.41	1266.43	1265.44	1264.57
1263.60	1259.62	1254.60	1250.51	1251.49	1254.77	1257.42									
1263.89	1263.43	1263.16	1263.10	1263.25	1263.60	1264.16									

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: STH 27	SHEET 177	E

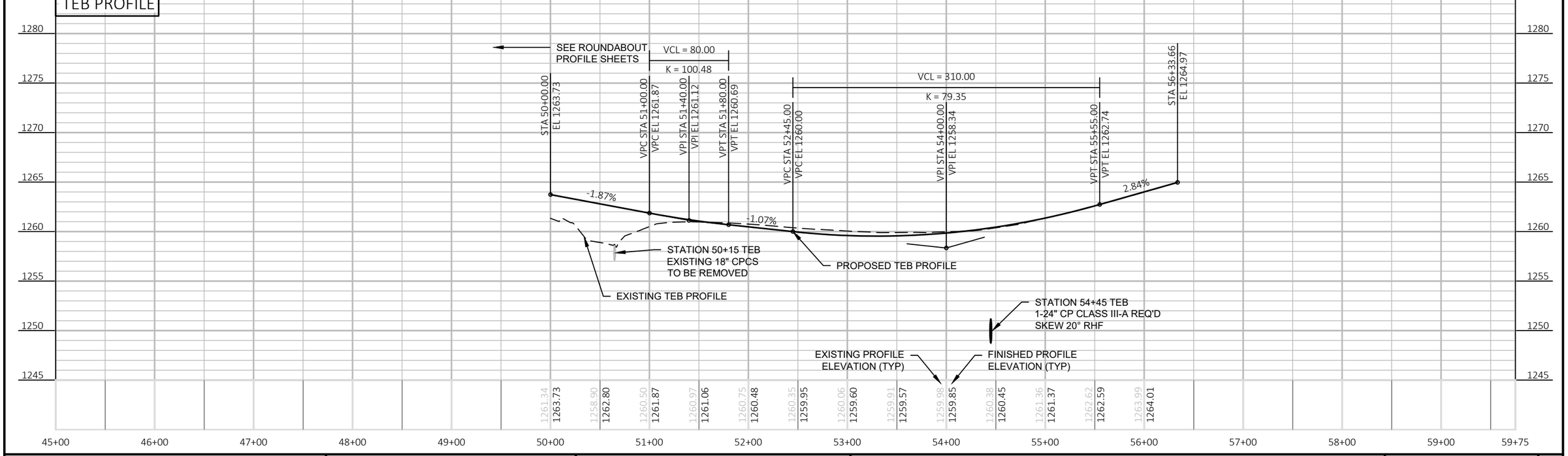
FILE NAME : P:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\050201-PP.DWG
LAYOUT NAME - 05 - 27-NBA

PLOT DATE : 7/28/2022 10:57 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

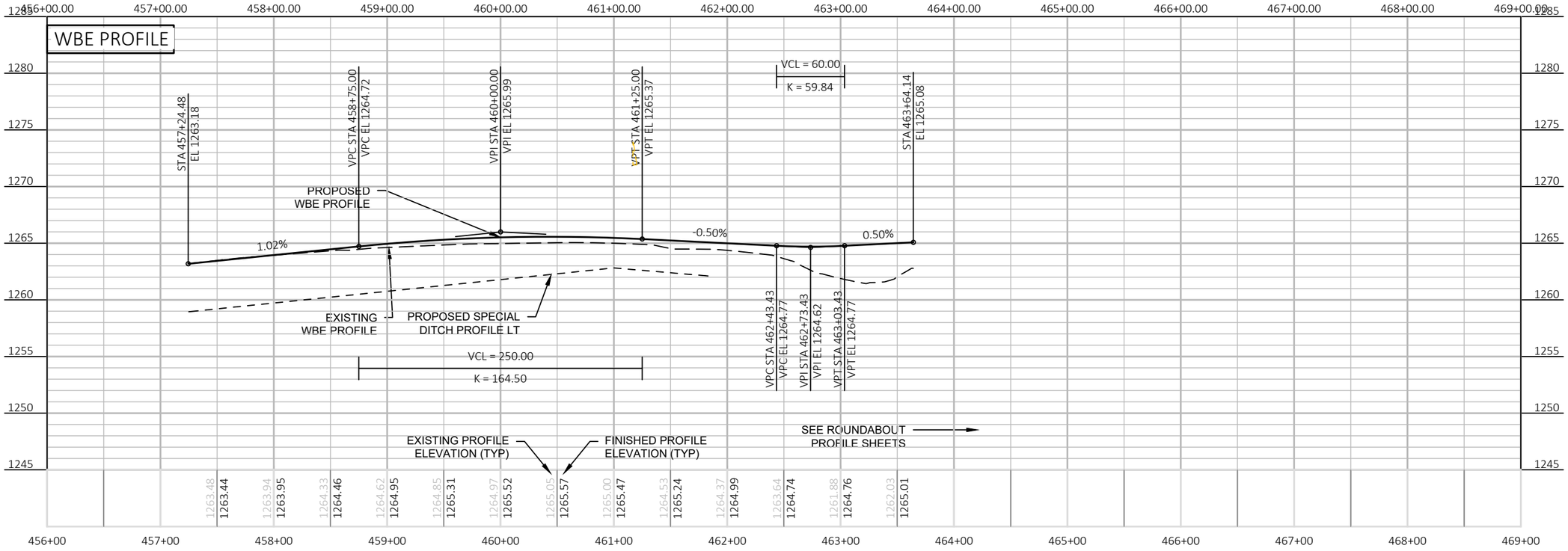


TEB PROFILE

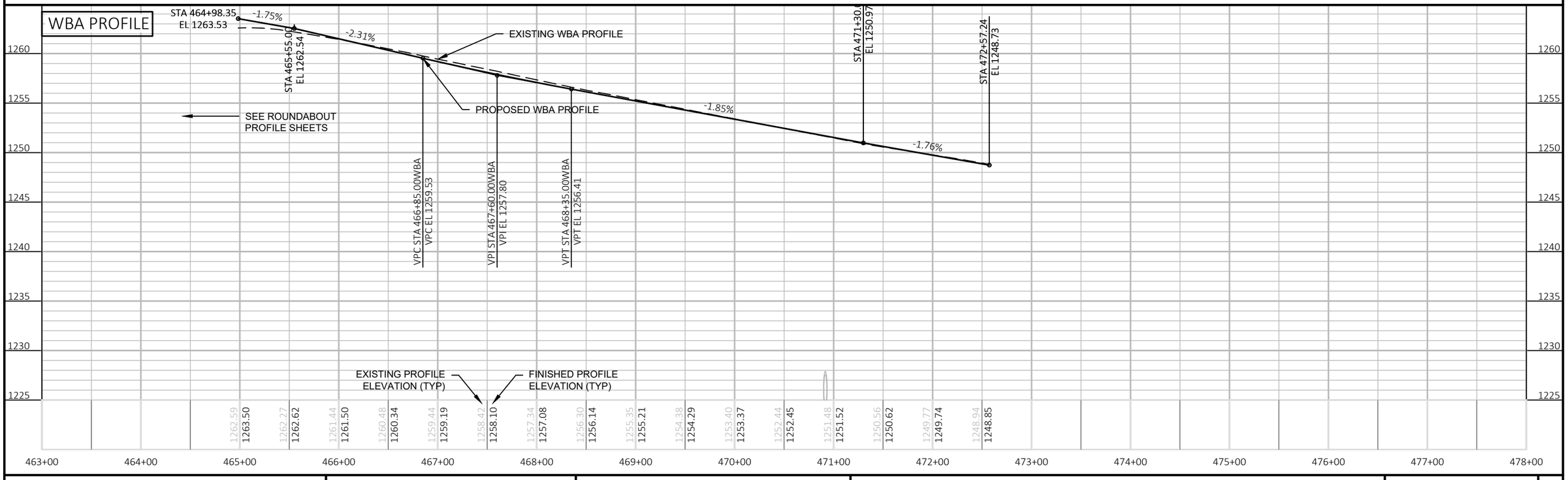


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: CTH T	SHEET 178	E

WBE PROFILE



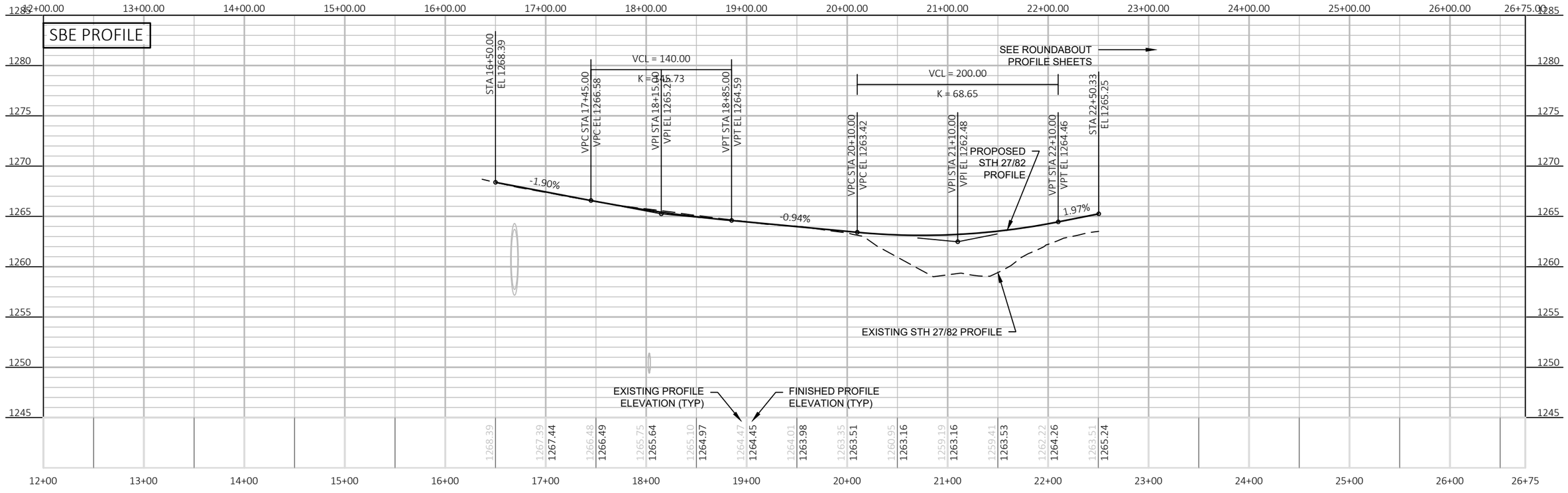
WBA PROFILE



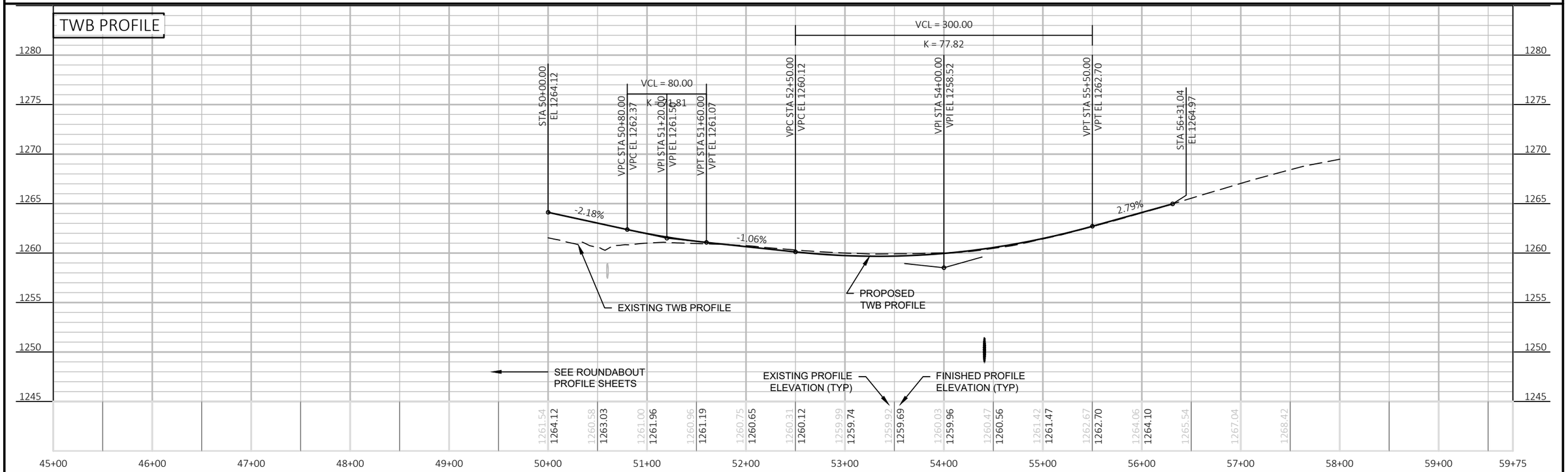
PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: USH 14	SHEET 179	E

FILE NAME : P:\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\050201-PP.DWG
LAYOUT NAME - 07 - WBE_WBA
PLOT DATE : 7/28/2022 10:58 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

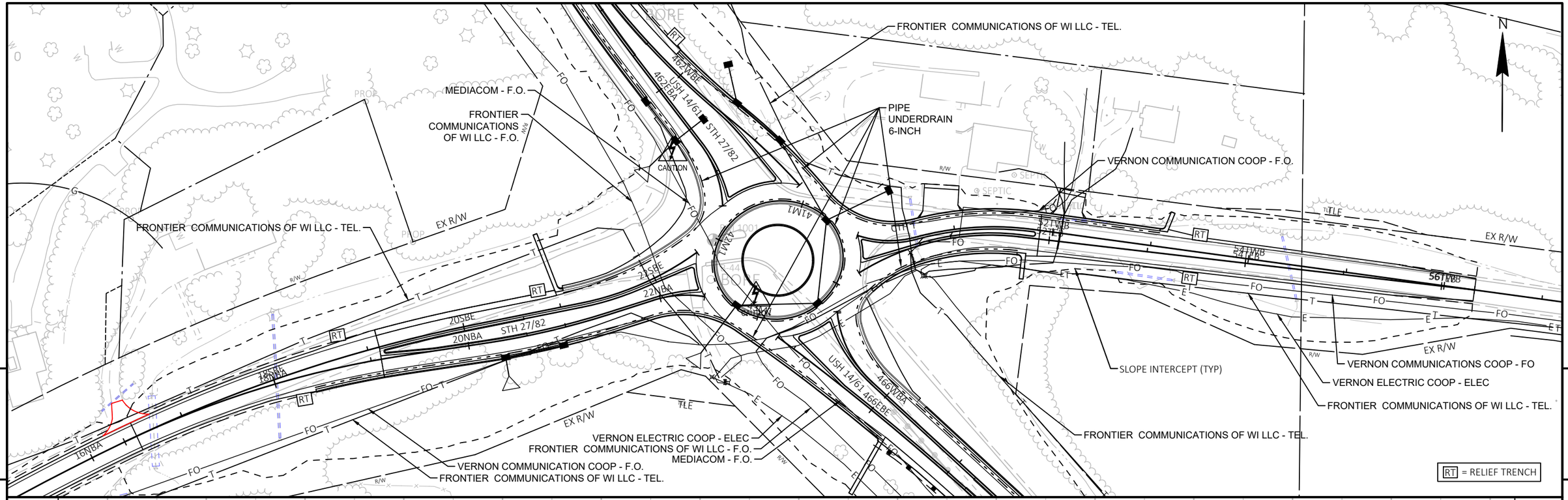
SBE PROFILE

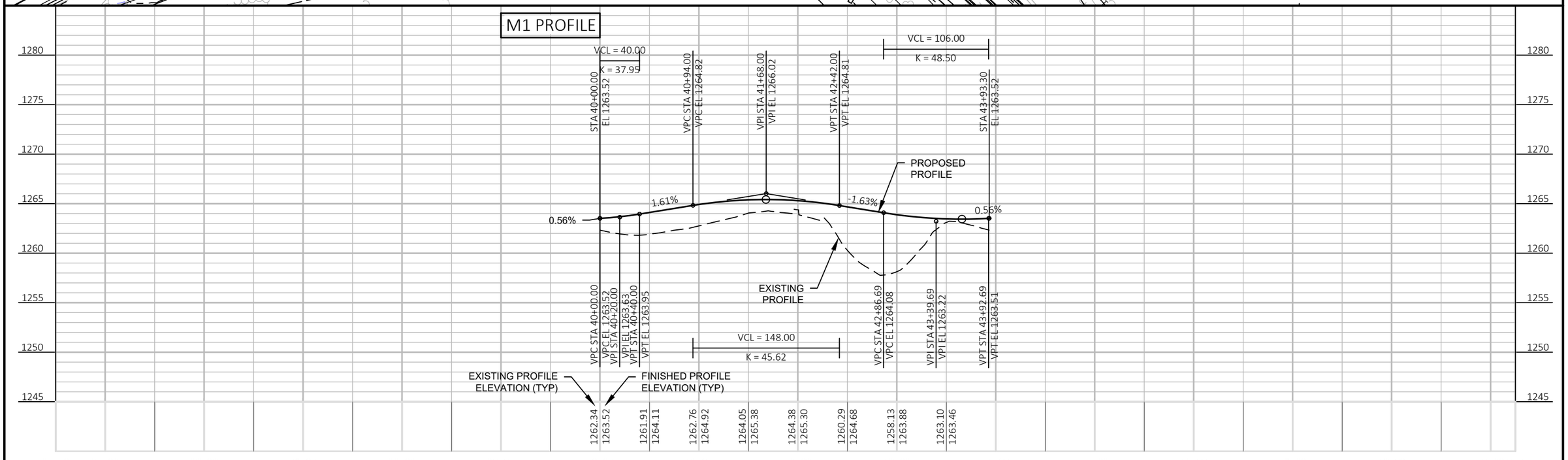


TWB PROFILE



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: STH 27 & CTH T	SHEET 180 E





PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	PLAN AND PROFILE: ROUNDABOUT	SHEET 181	E

Standard Detail Drawing List

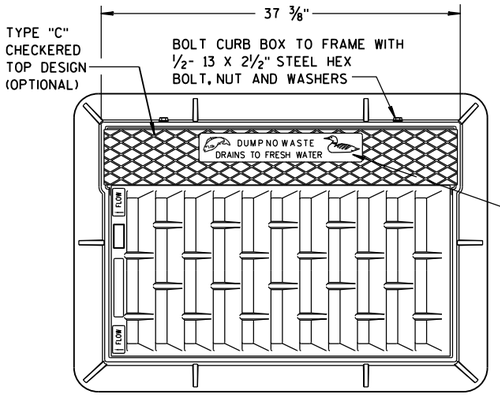
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D15-05B	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
08D15-05C	EDGEDRAIN AND BASE AGGREGATE OPEN GRADED
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
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
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
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C18-07G	CONCRETE PAVEMENT JOINTING ACCELERATION/DECELERATION LANE
13C19-03	HMA LONGITUDINAL JOINTS
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
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

6

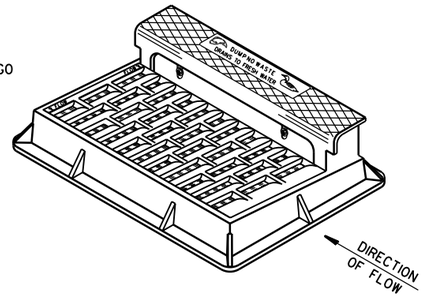
Standard Detail Drawing List

15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C08-21B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
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
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D12-10B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
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
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

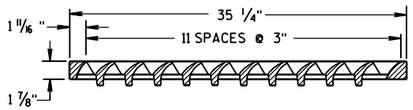
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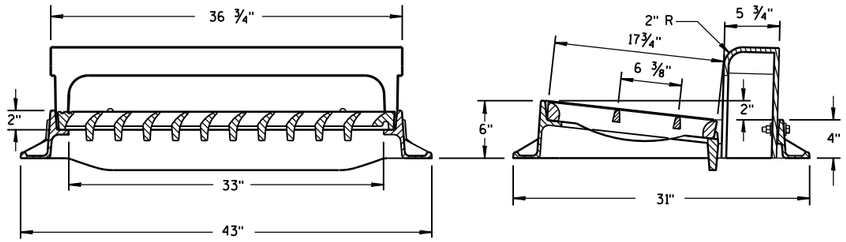


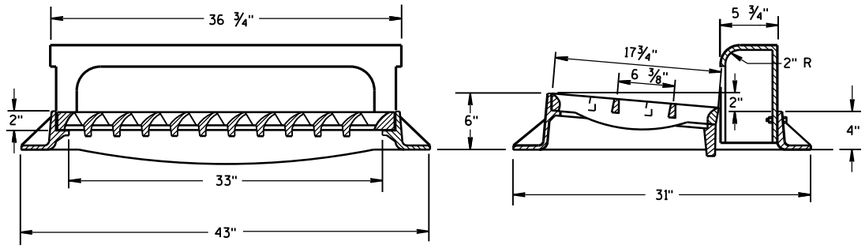
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

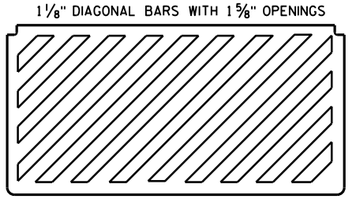






TYPE "H"

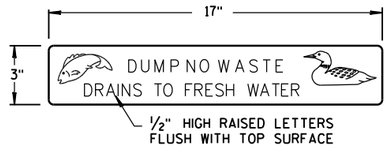
NOTE: EITHER CASTING IS ACCEPTABLE



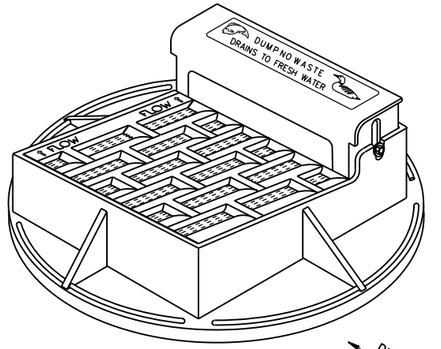
SPECIAL GRATE FOR TYPE "H" COVER

(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"

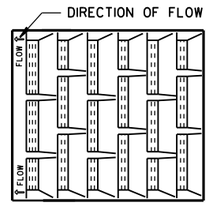
NOTE:
GRATE IS REVERSIBLE.

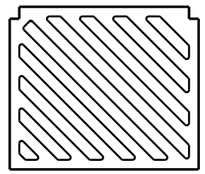
GENERAL NOTES

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.

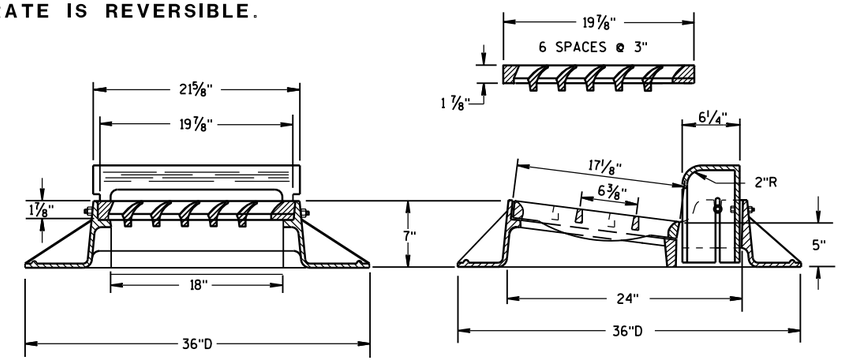




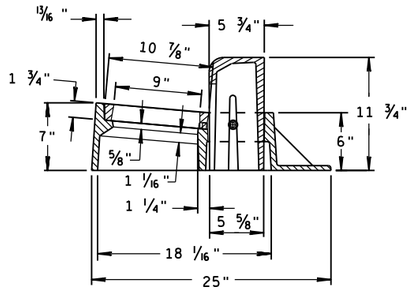
SPECIAL GRATE FOR TYPE "A" COVER

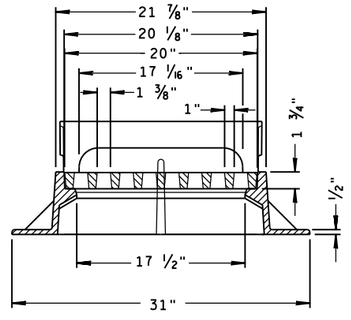
(MEASURES 19 3/4" X 17" X 1 7/8")

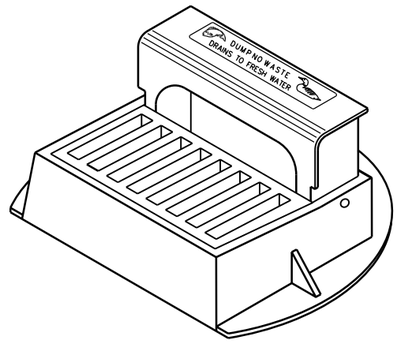
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

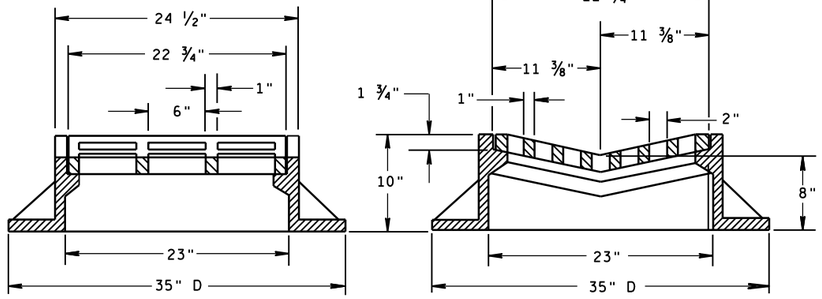
INLET COVERS
TYPE A, H, A-S, H-S & Z

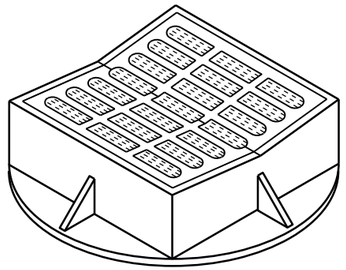
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

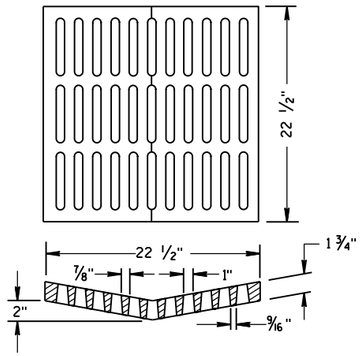
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S.D.D. 8 A 5-19a



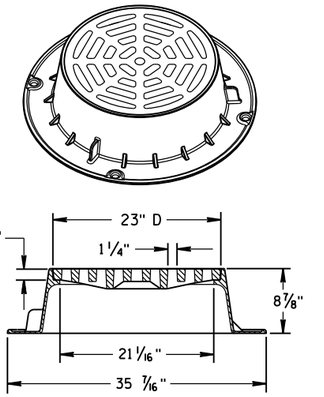


TYPE "B"



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"

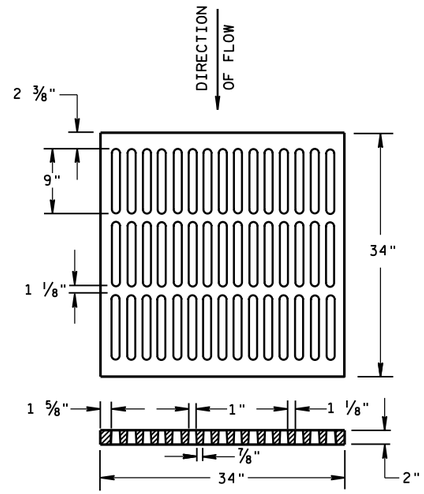
NOTE: EITHER CASTING IS ACCEPTABLE

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.

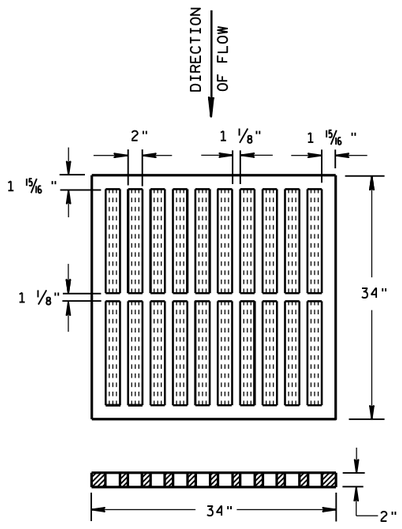
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



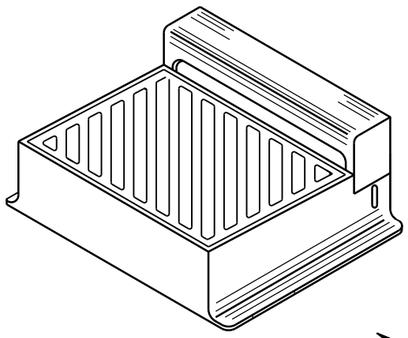
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

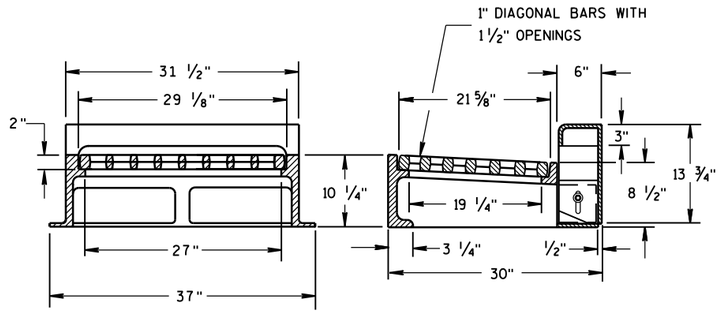


TYPE "MS"

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"

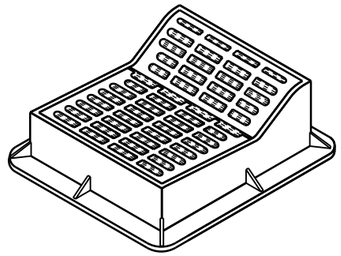
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

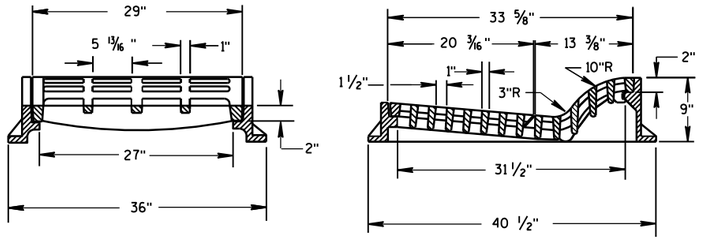
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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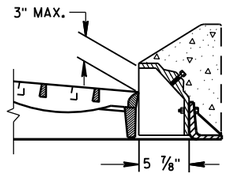
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

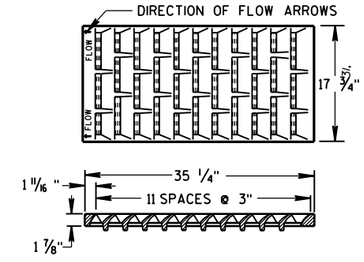
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

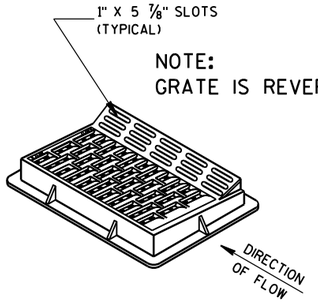
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

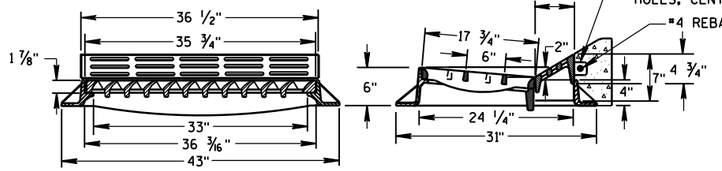
GENERAL NOTES

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.



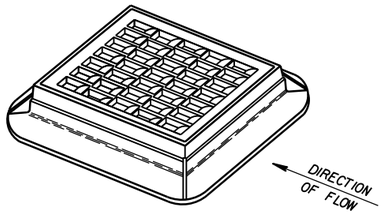


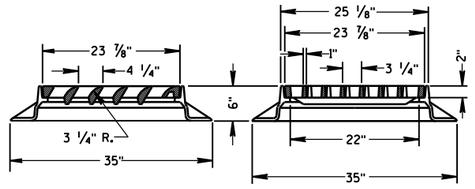


TYPE "HM"

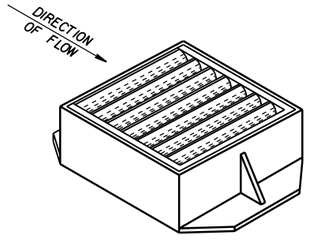
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

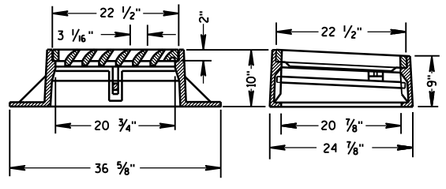
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



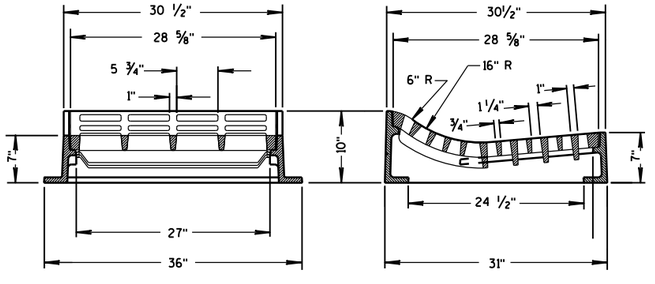


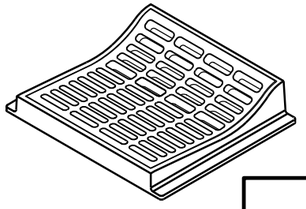
TYPE "S"





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

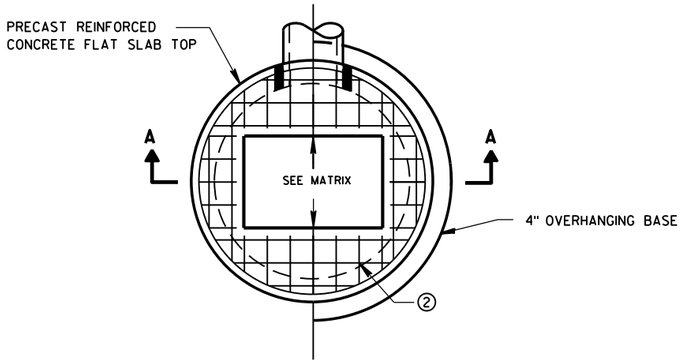
FHWA

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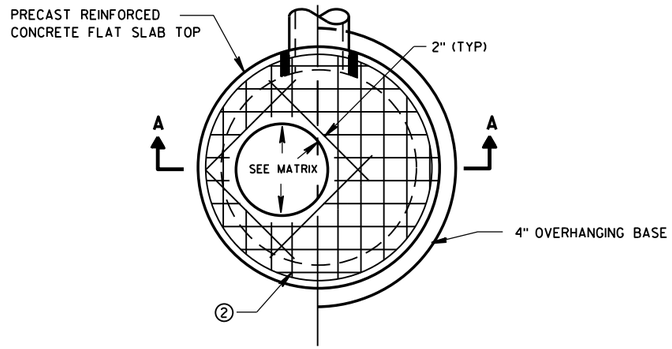
S.D.D. 8 A 5-19c

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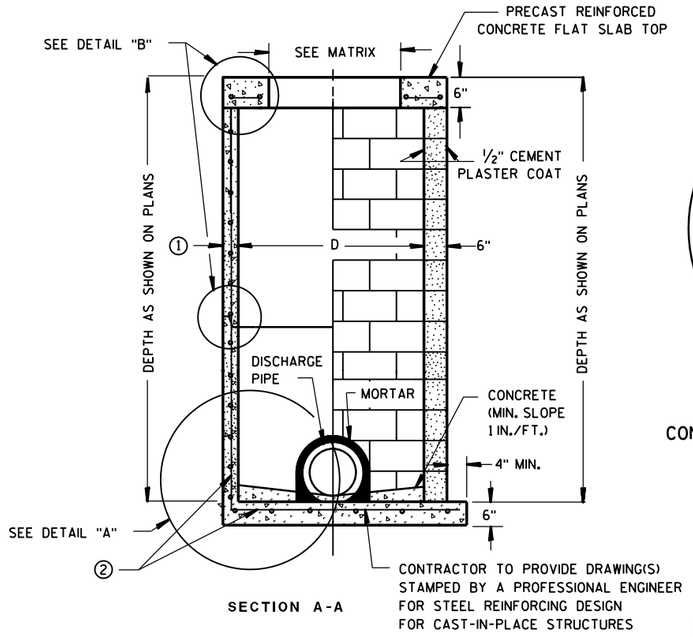
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

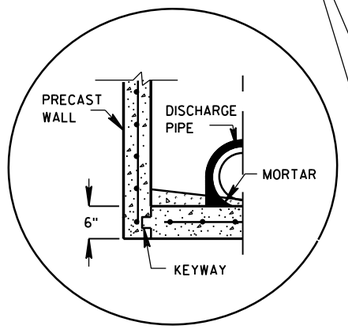


SECTION A-A

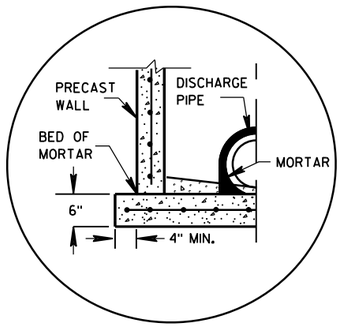
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

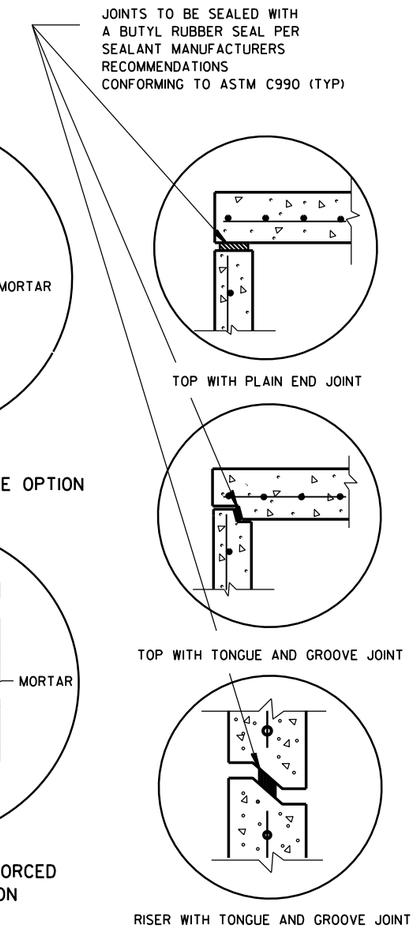


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

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.

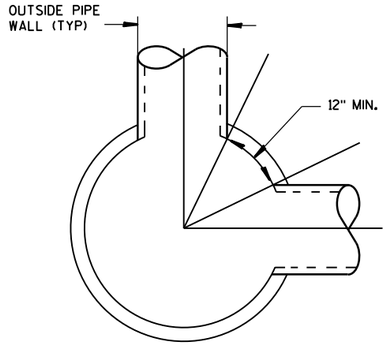
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

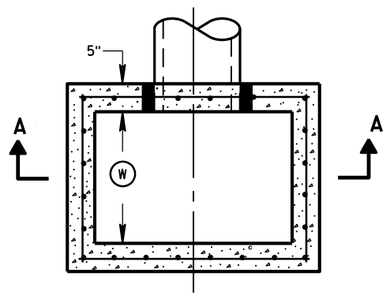
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

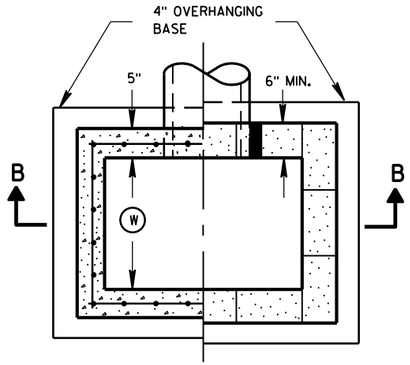
INLETS 3-FT AND 4-FT DIAMETER

6

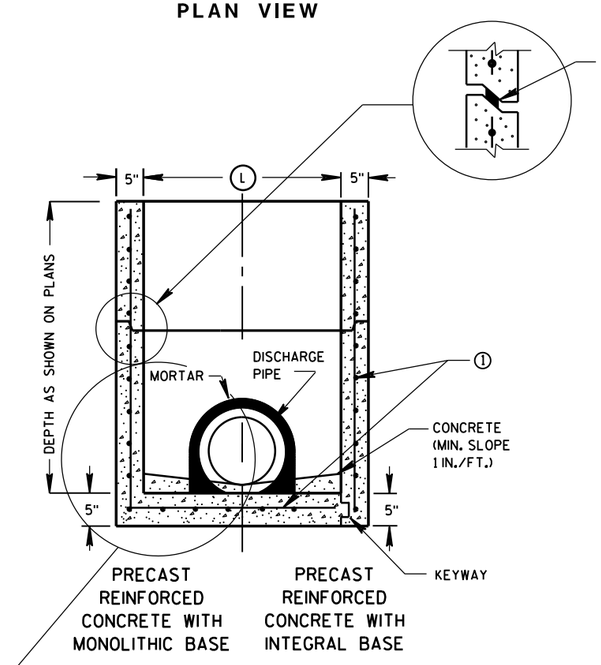
S.D.D. 8 C 6-2



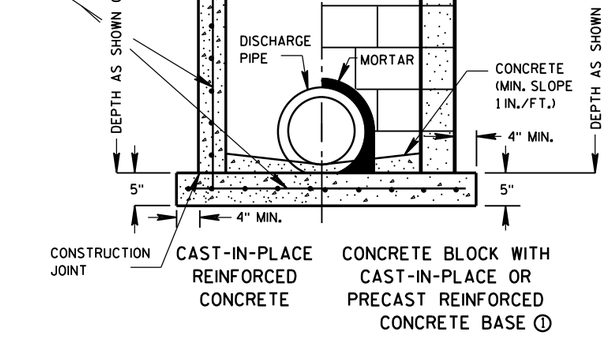
PLAN VIEW



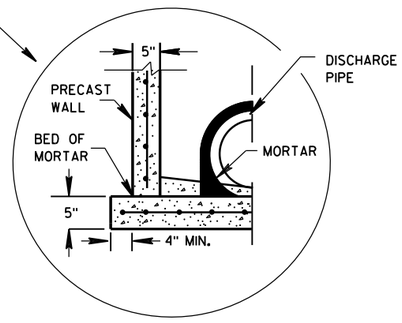
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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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.

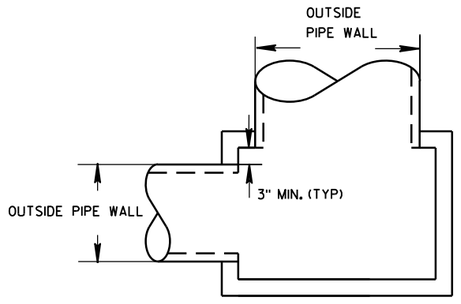
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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

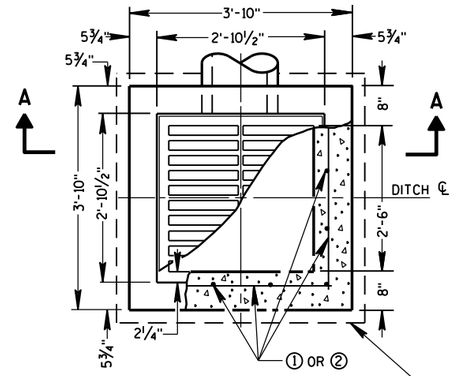
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

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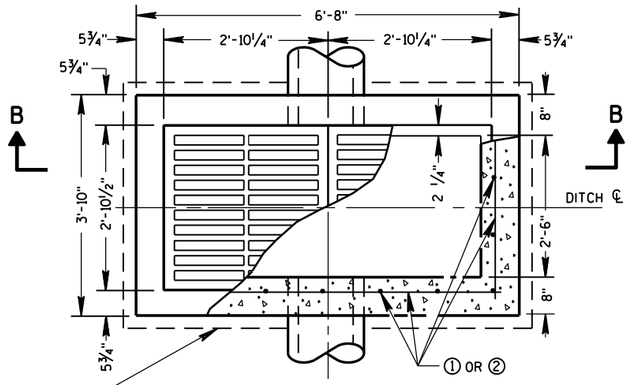
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

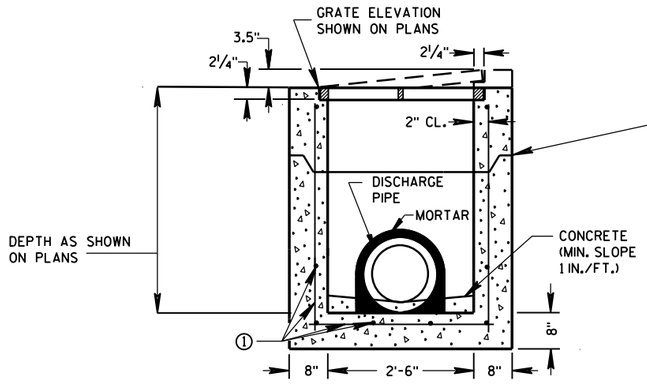


PLAN VIEW

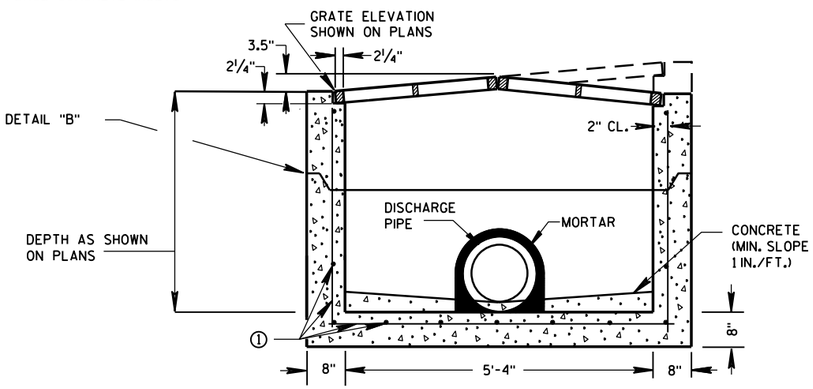


PLAN VIEW

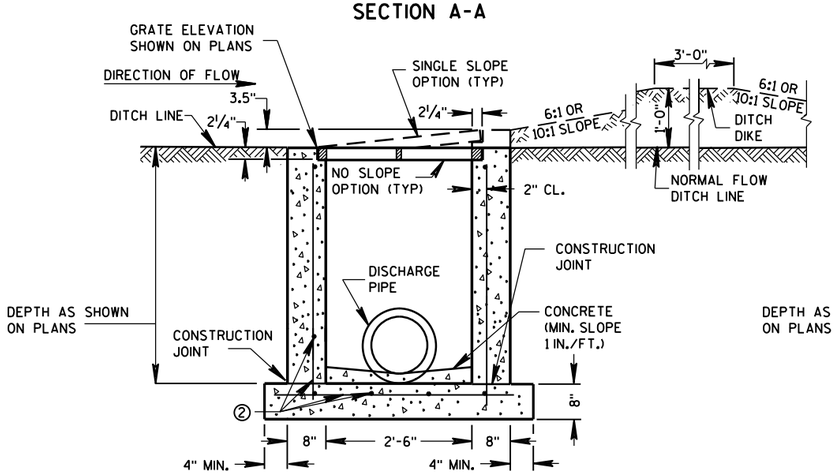
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

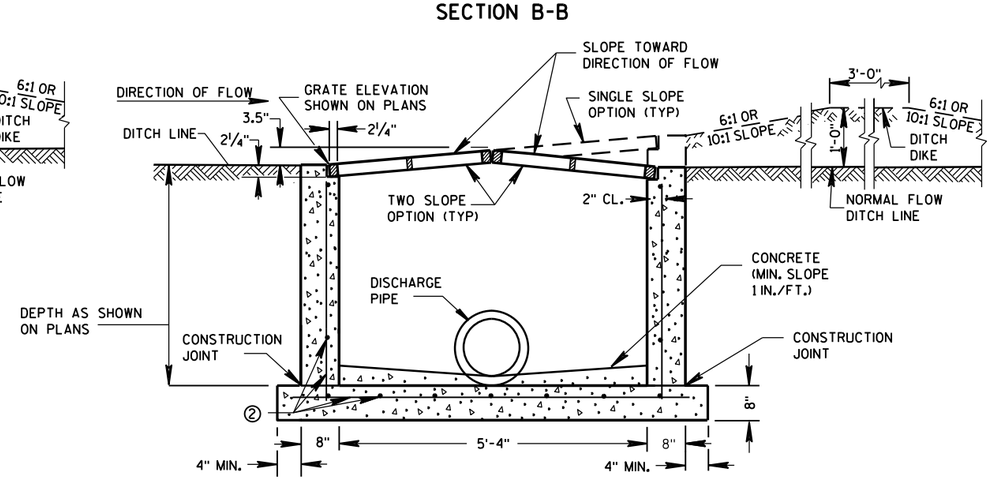


PRECAST REINFORCED CONCRETE SECTION B-B



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

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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.

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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.

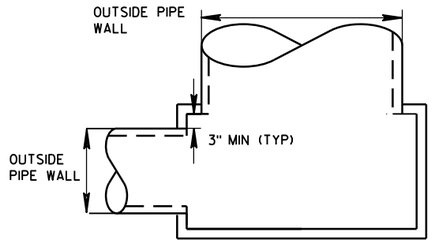
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

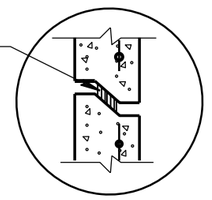
PIPE MATRIX

	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)



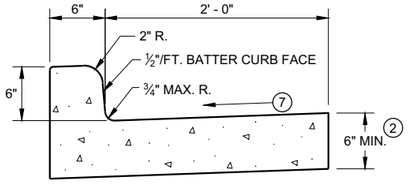
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

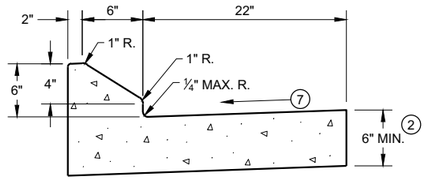
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

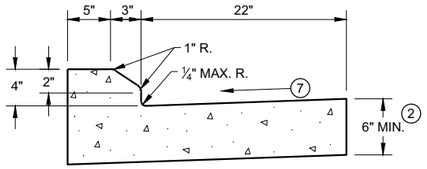
6
S.D.D. 8 C 8-2



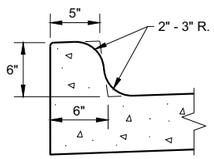
TYPES A (1) & D



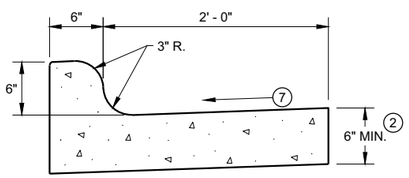
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

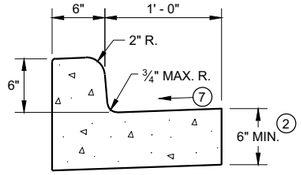


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



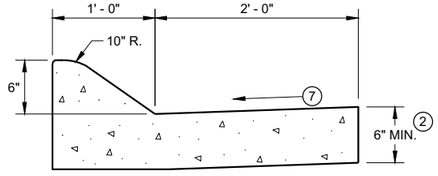
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

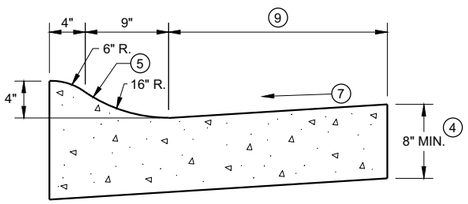
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

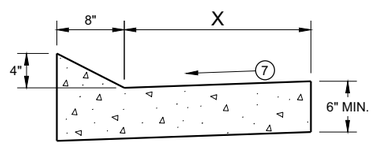
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

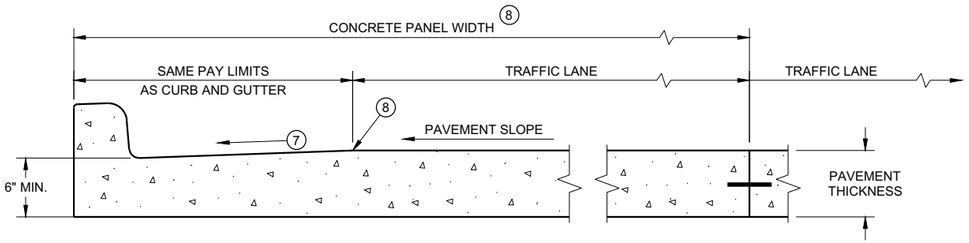


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

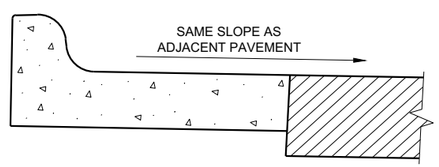
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

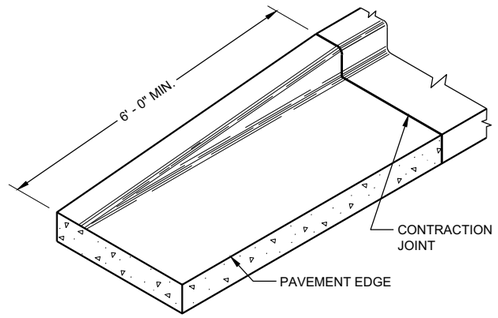
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

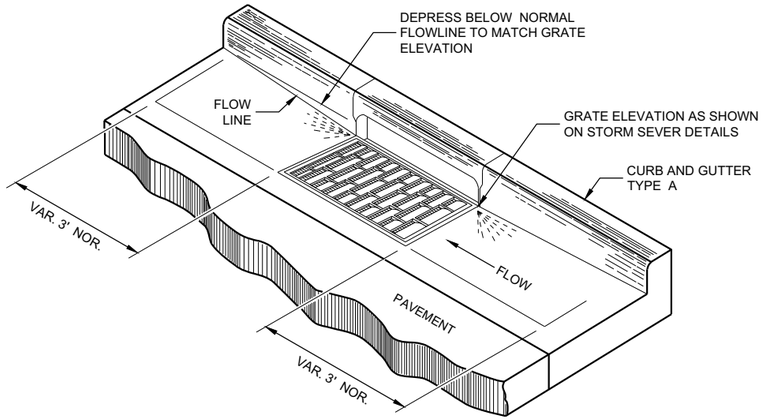
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D01 - 22a
SDD 08D01 - 22a



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.

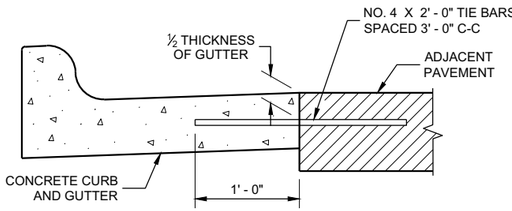
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

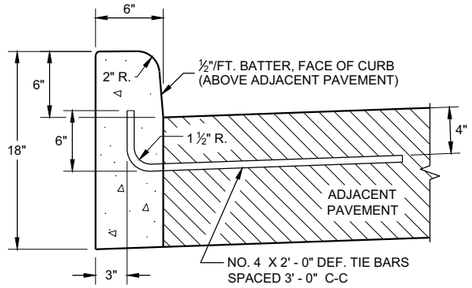
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

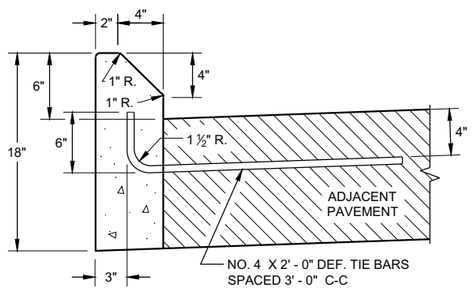
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

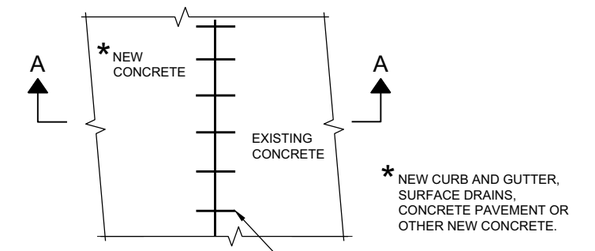


TYPES A (1) & D

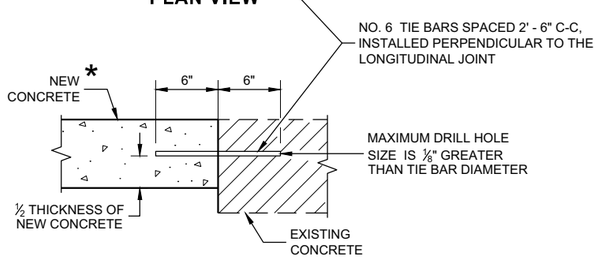


TYPES G (1) & J

CONCRETE CURB

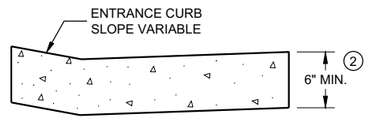


PLAN VIEW



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

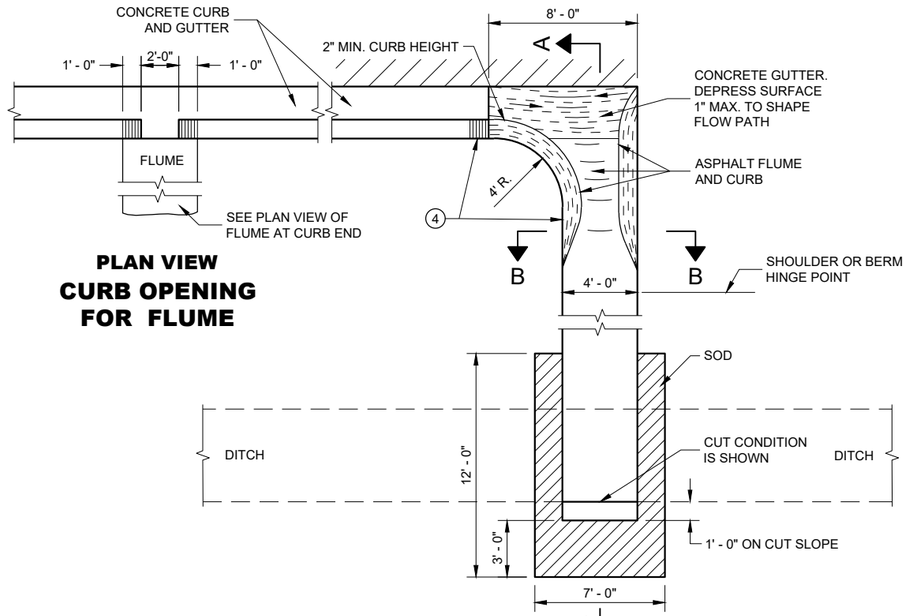
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD08D01 - 22b

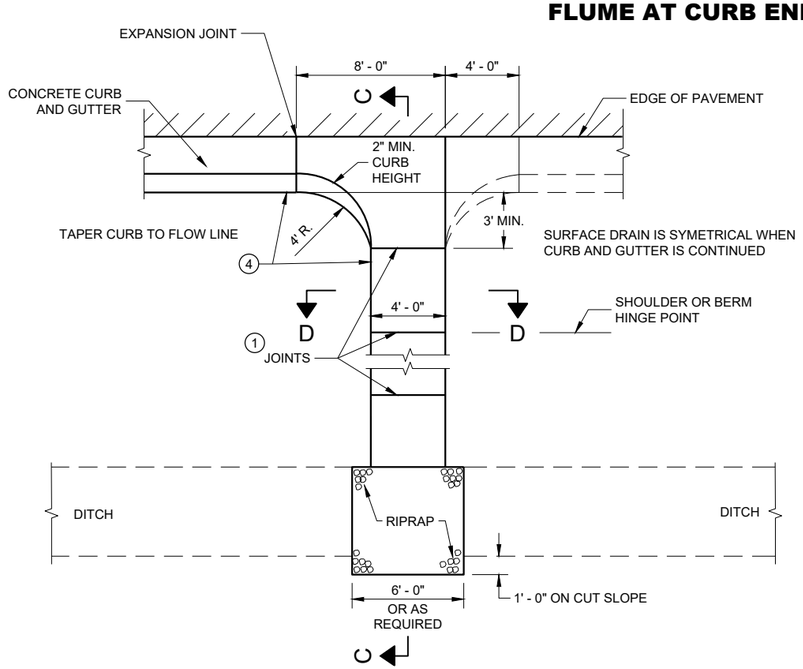
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



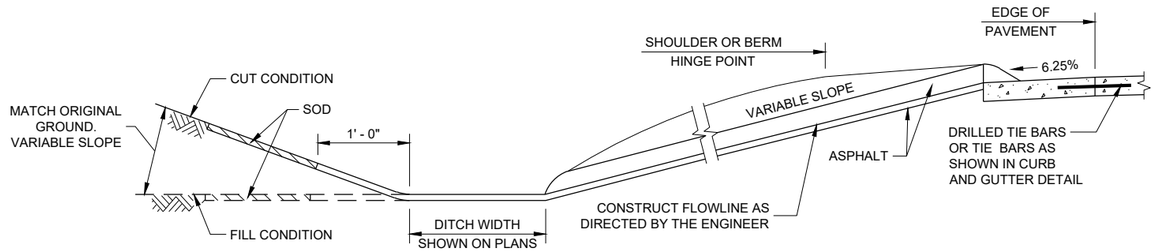
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

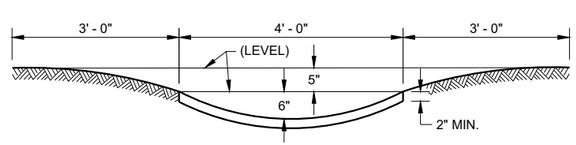
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

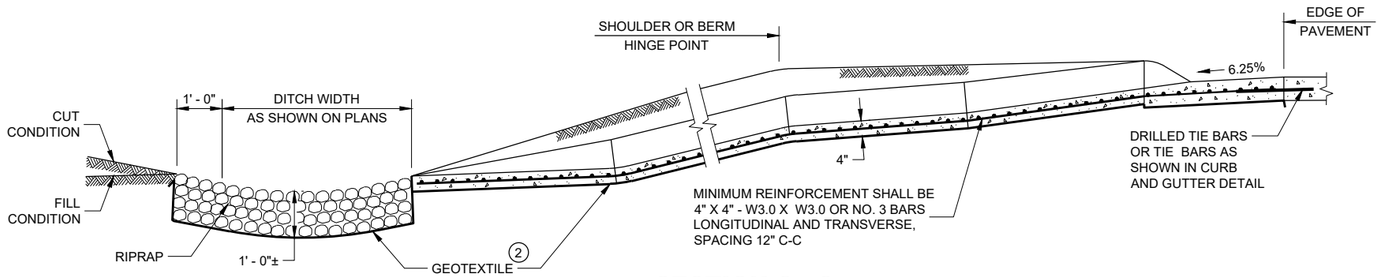
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



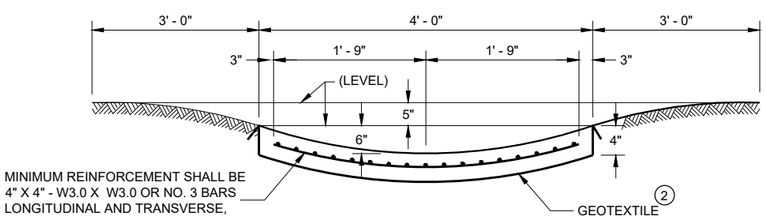
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

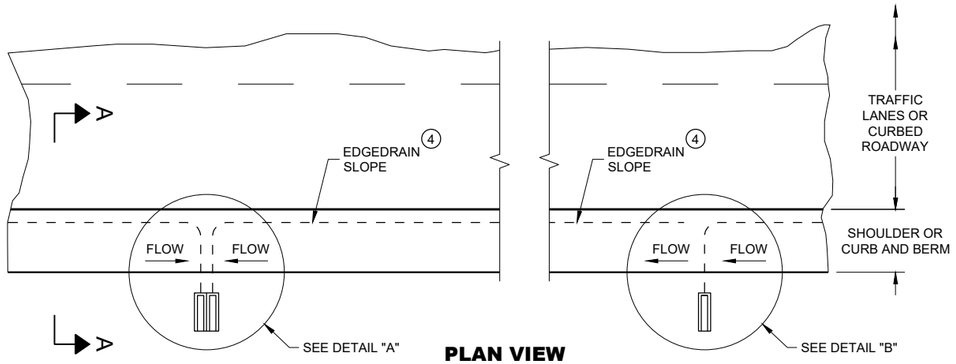
APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

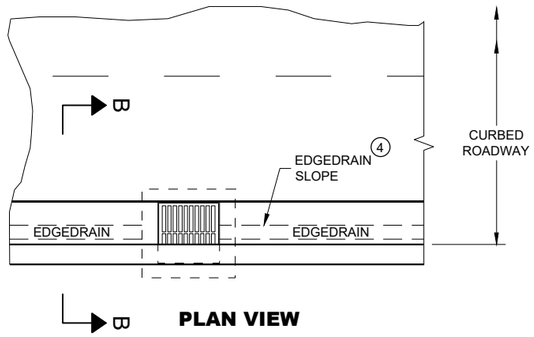
SDD 08D04 - 06

SDD 08D04 - 06



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

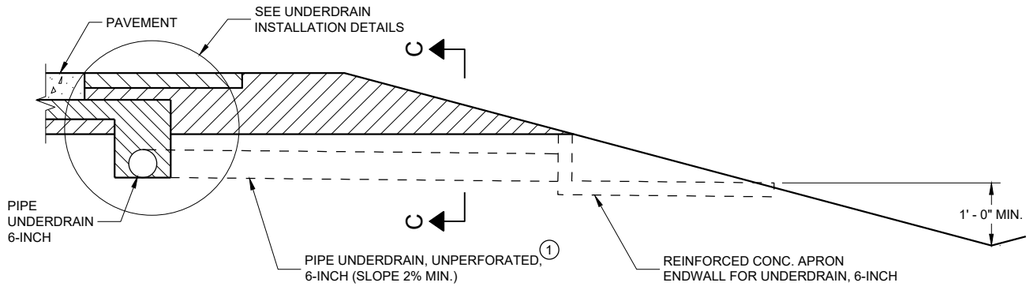
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

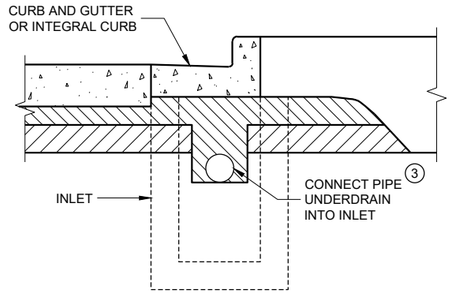
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



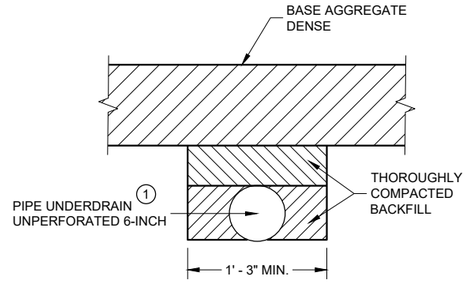
SECTION A - A

RURAL CROSS SECTION



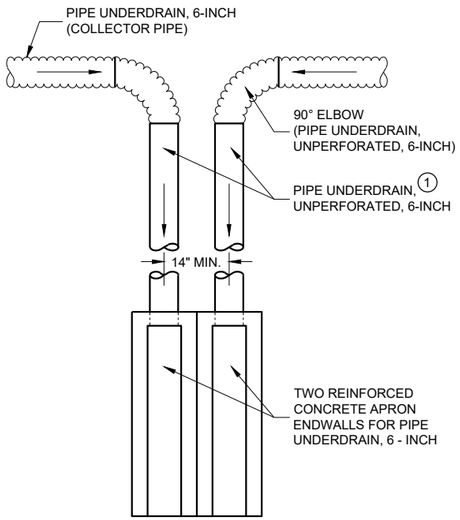
SECTION B - B

URBAN CROSS SECTION

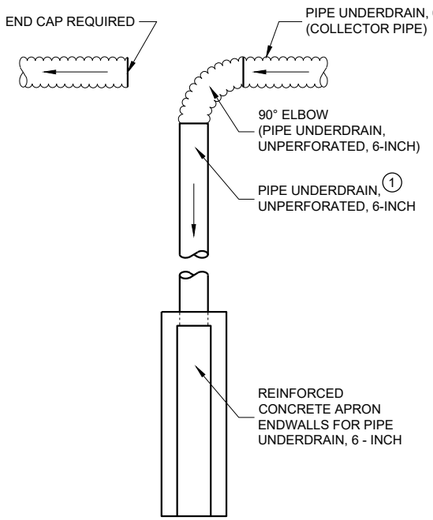


SECTION C - C

TRENCH FOR OUTFALL PIPE

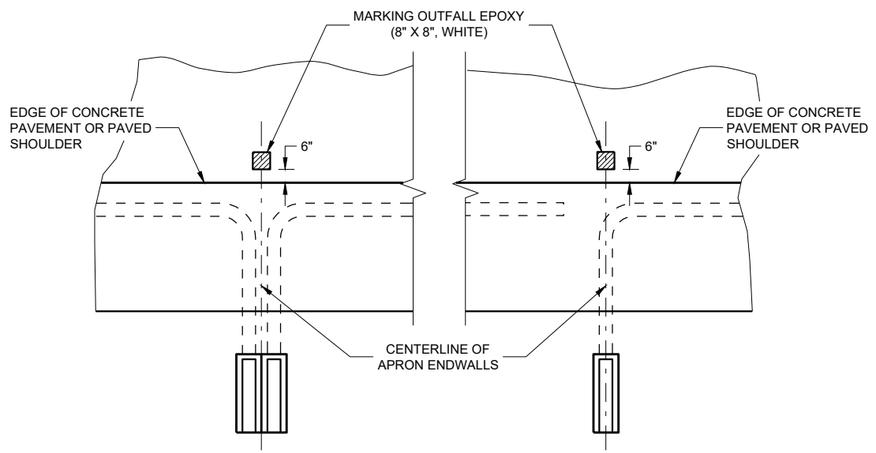


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

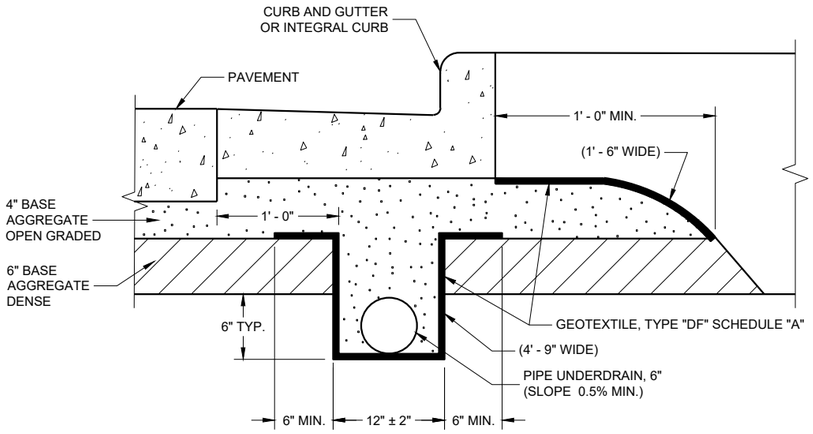
PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD08D15 - 05a

SDD08D15 - 05a



EDGEDRAIN IN URBAN ROADWAY

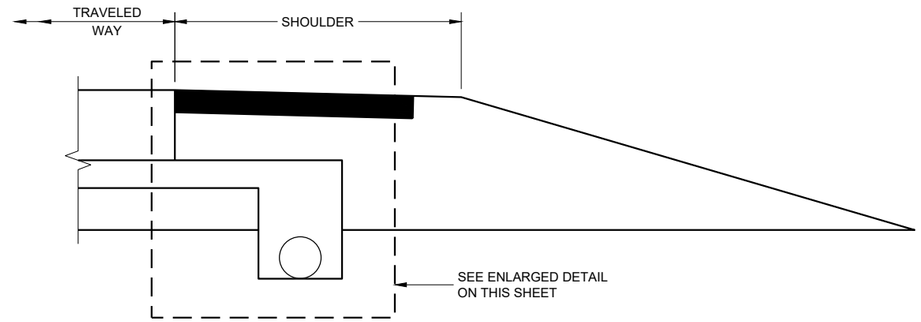
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

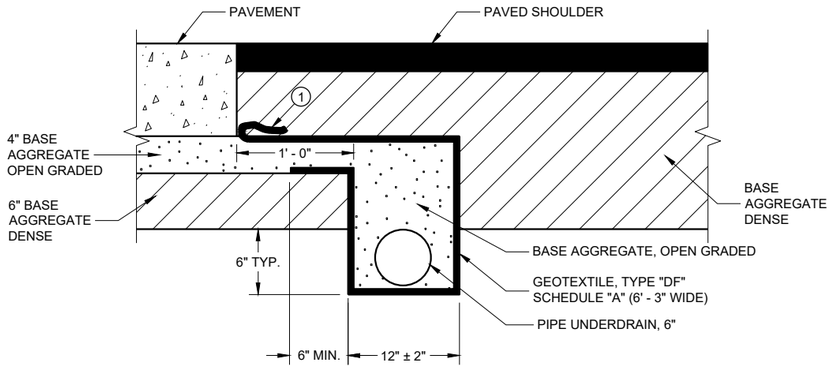
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

(1) FOLD OVER EXCESS GEOTEXTILE AT THIS LOCATION.

(2) TOTAL GEOTEXTILE WIDTH IS 6'-3" FOR PAYMENT.

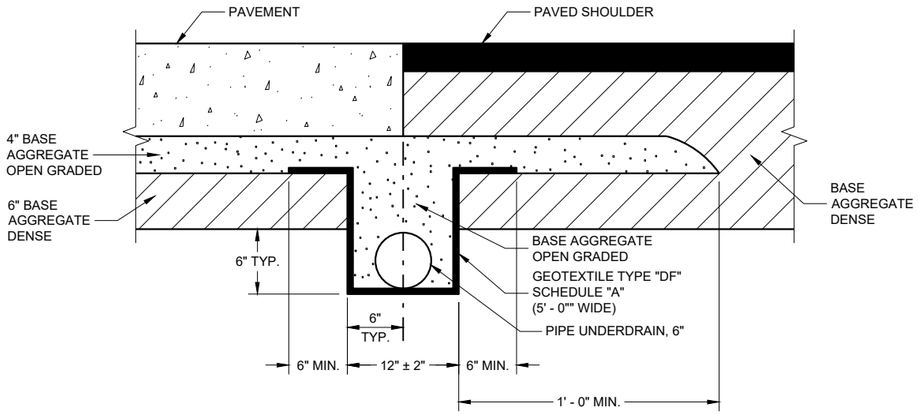


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

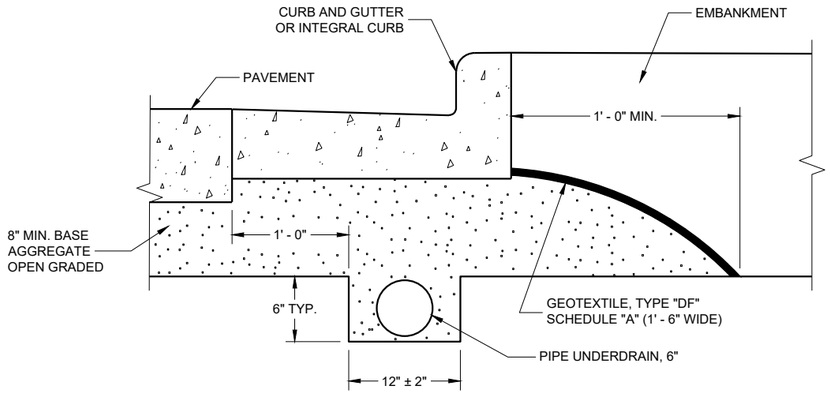
EDGEDRAIN IN RURAL ROADWAY

EGEDRAIN AND BASE AGGREGATE OPEN GRADED

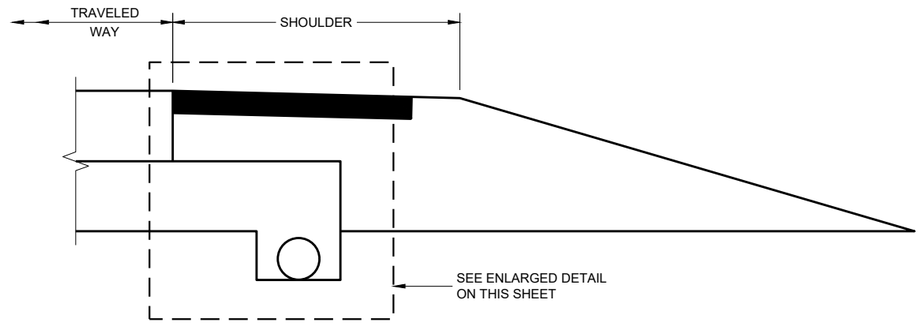
GENERAL NOTES

THE DIMENSIONS SHOWN ON THE TYPICAL CROSS SECTIONS WILL GOVERN IN THE EVENT THERE IS A CONFLICT WITH THE DETAILS SHOWN ON THIS DRAWING.

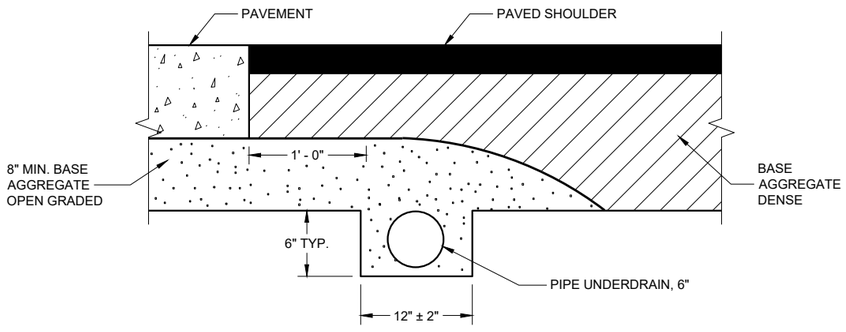
PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.



EDGEDRAIN IN URBAN ROADWAY

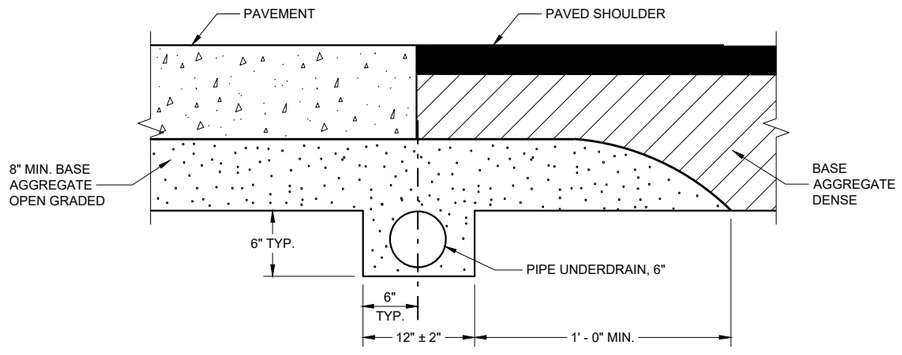


RURAL CROSS SECTION



POST PAVING INSTALLATION

(QUANTITIES ARE BASED ON THIS DETAIL)



PRE-PAVING INSTALLATION ALTERNATIVE

EDGEDRAIN IN RURAL ROADWAY

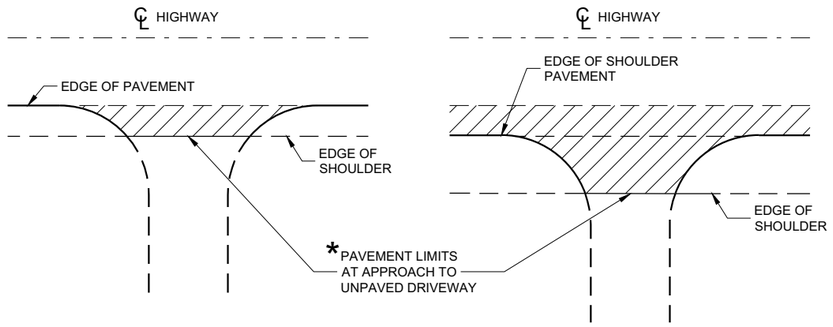
EDGEDRAIN AND BASE AGGREGATE OPEN GRADED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR
FHWA

6

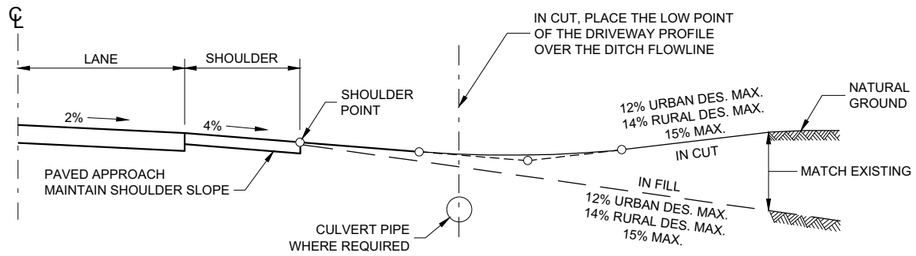
SDD 08D15 - 05c



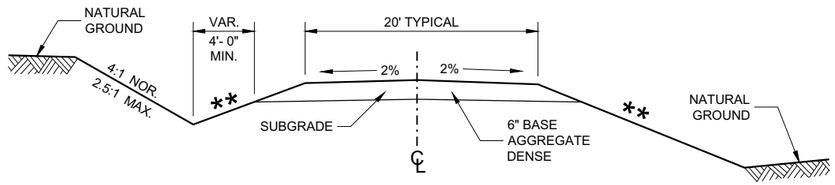
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

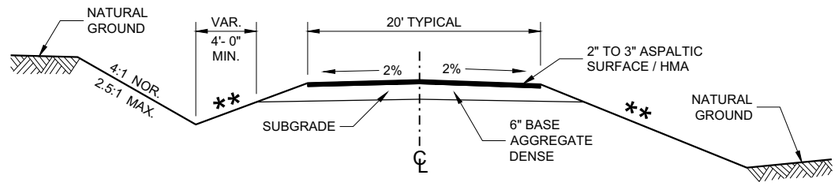


IN CUT **IN FILL**

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

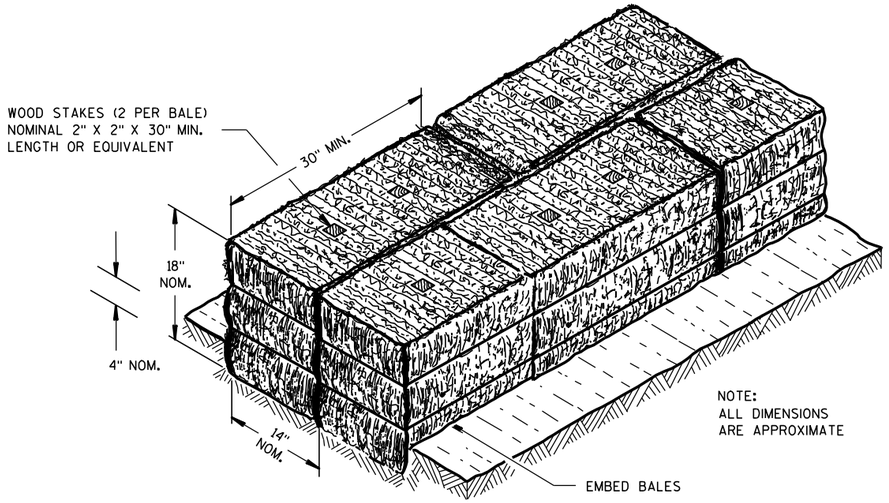
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

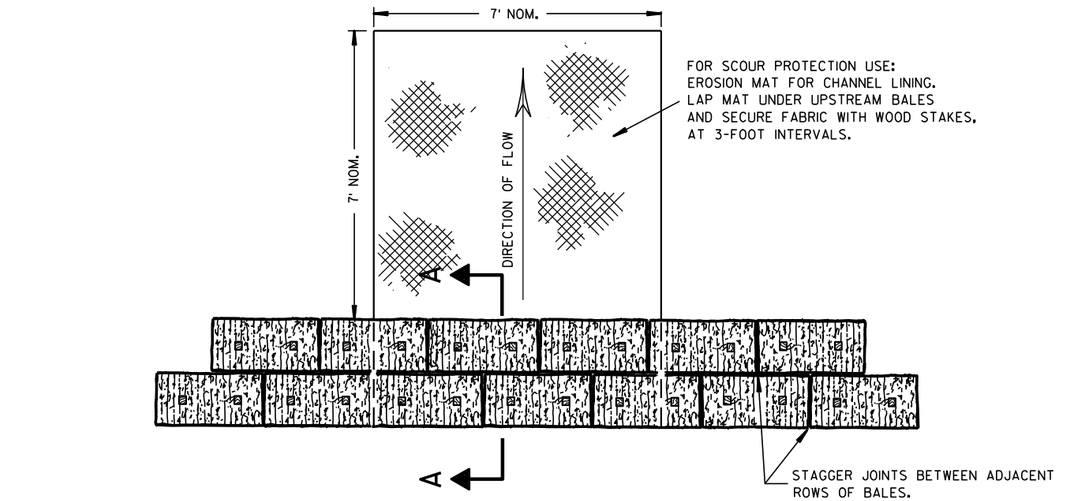
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

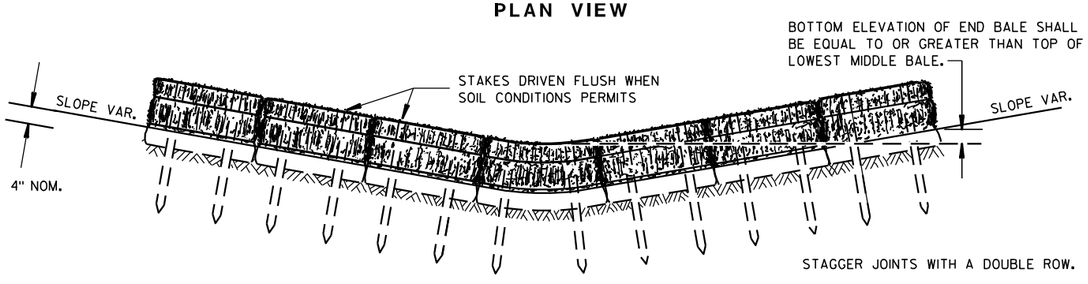
FHWA



SECTION A-A



PLAN VIEW



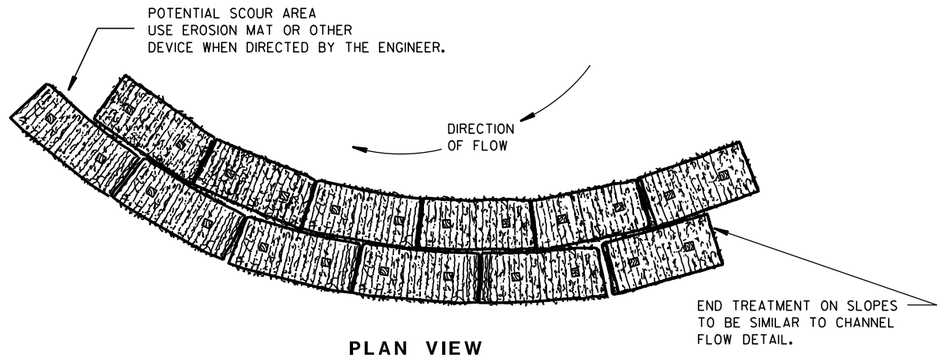
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

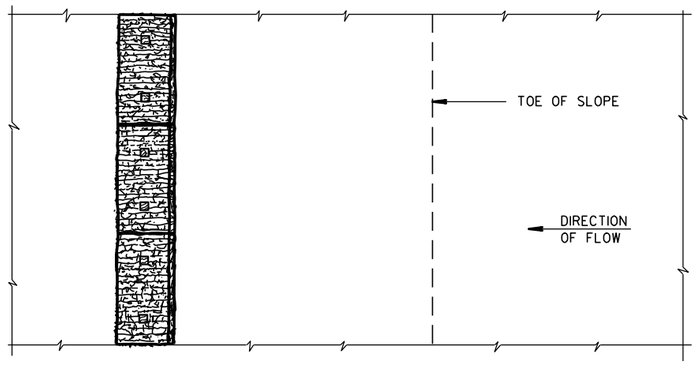
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

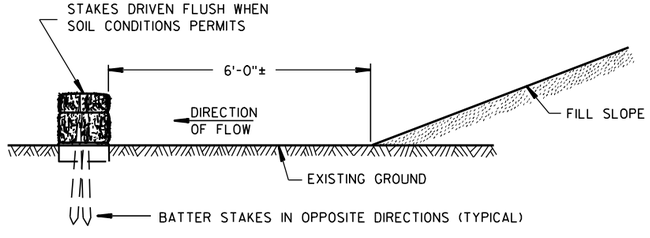


PLAN VIEW

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

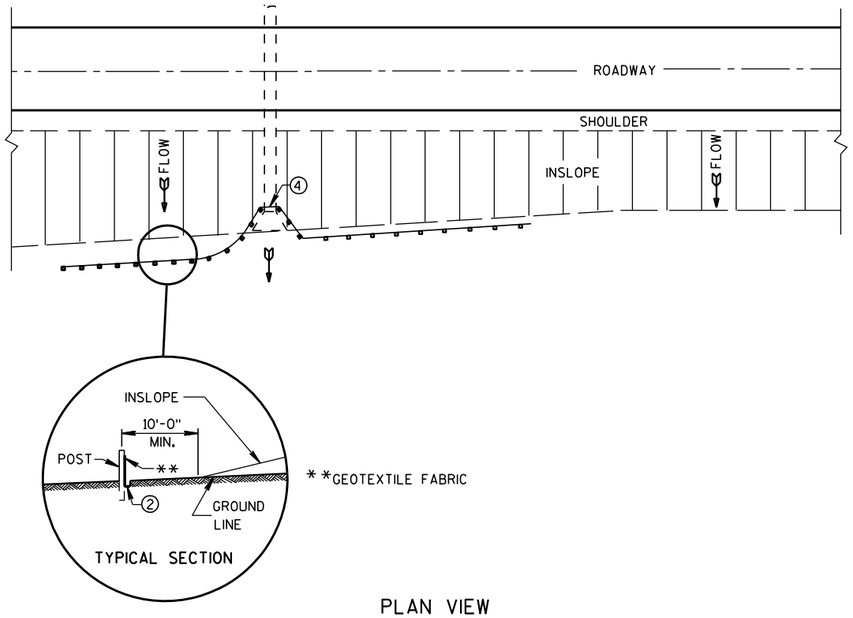
FHWA

6

S.D.D. 8 E 8-3

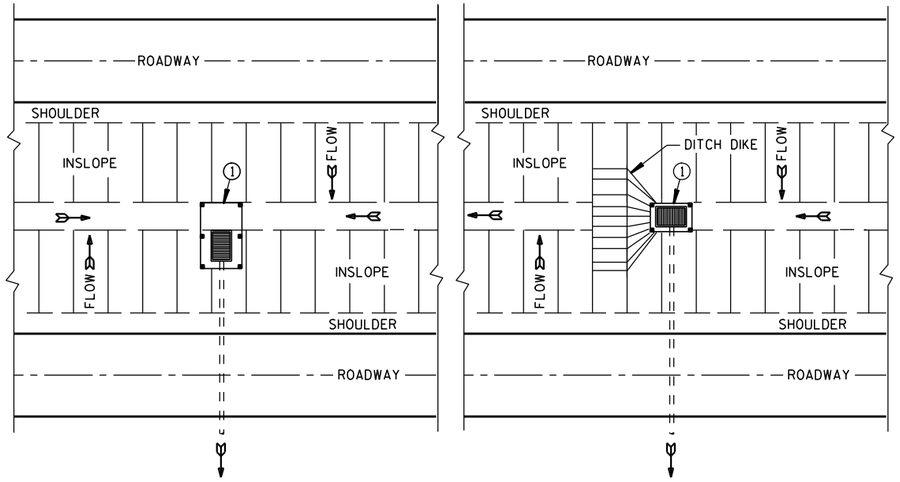
6

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.

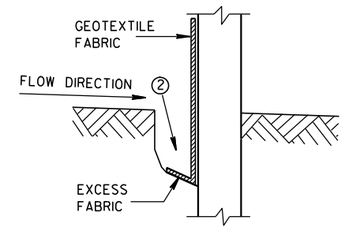
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

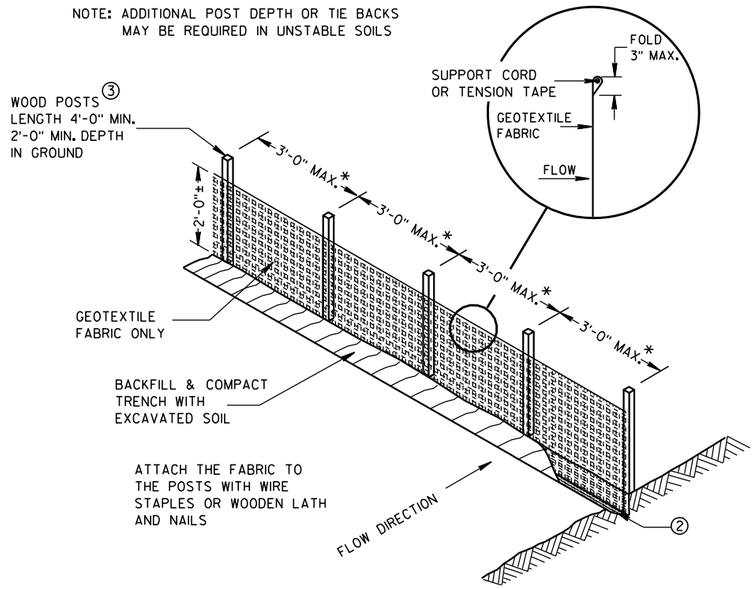
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

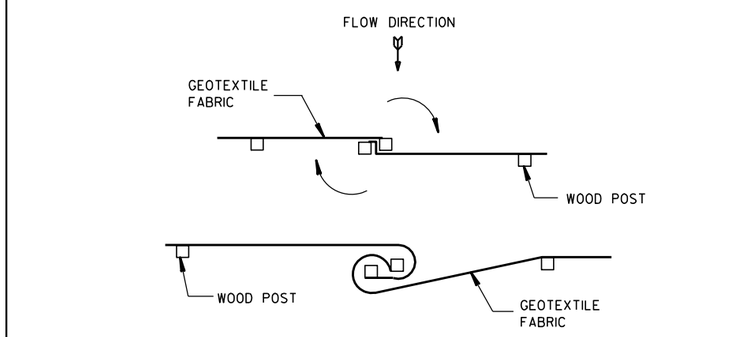
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



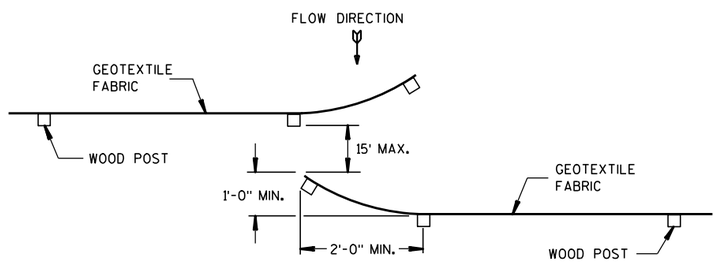
TRENCH DETAIL



SILT FENCE

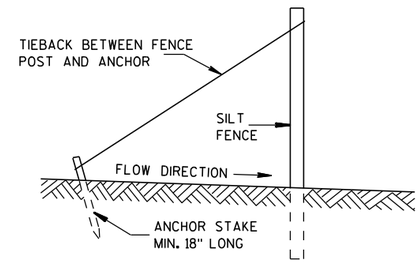


TWIST METHOD



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

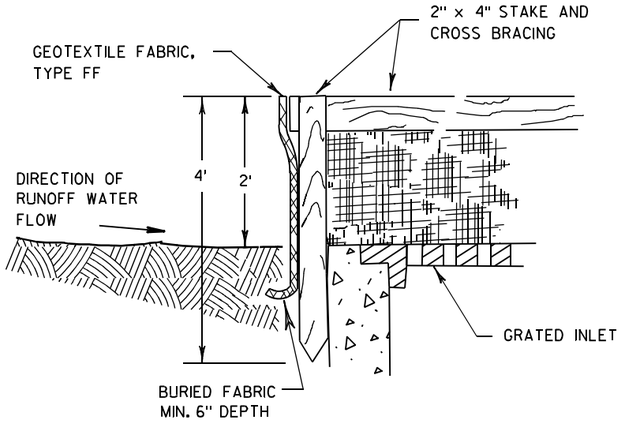
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

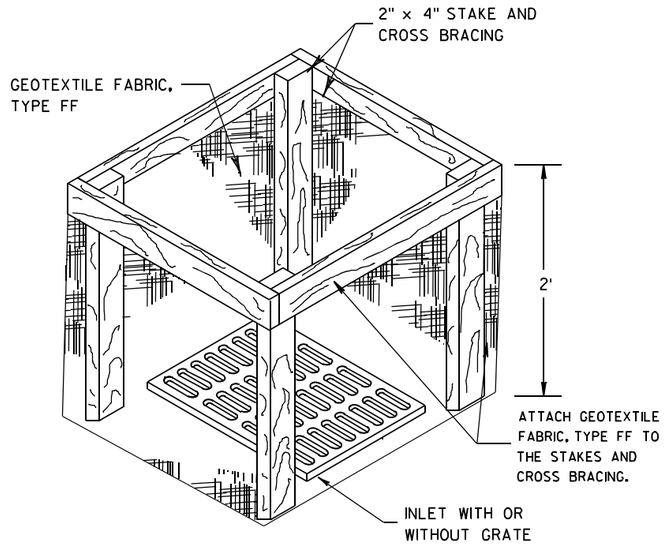
6

S.D.D. 8 E 9-6

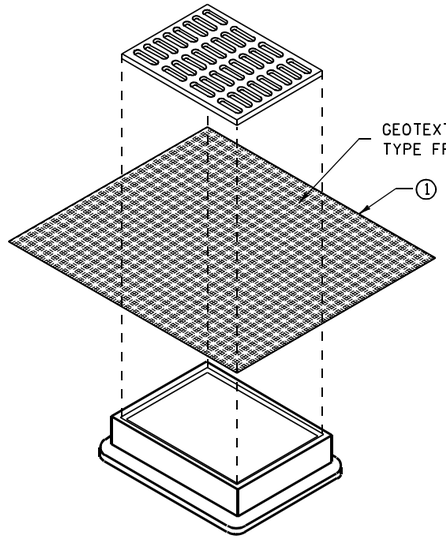
6

S.D.D. 8 E 9-6



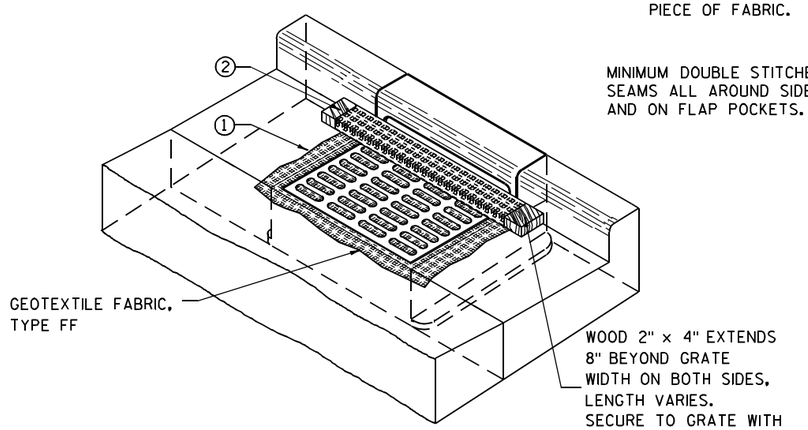


INLET PROTECTION, TYPE A

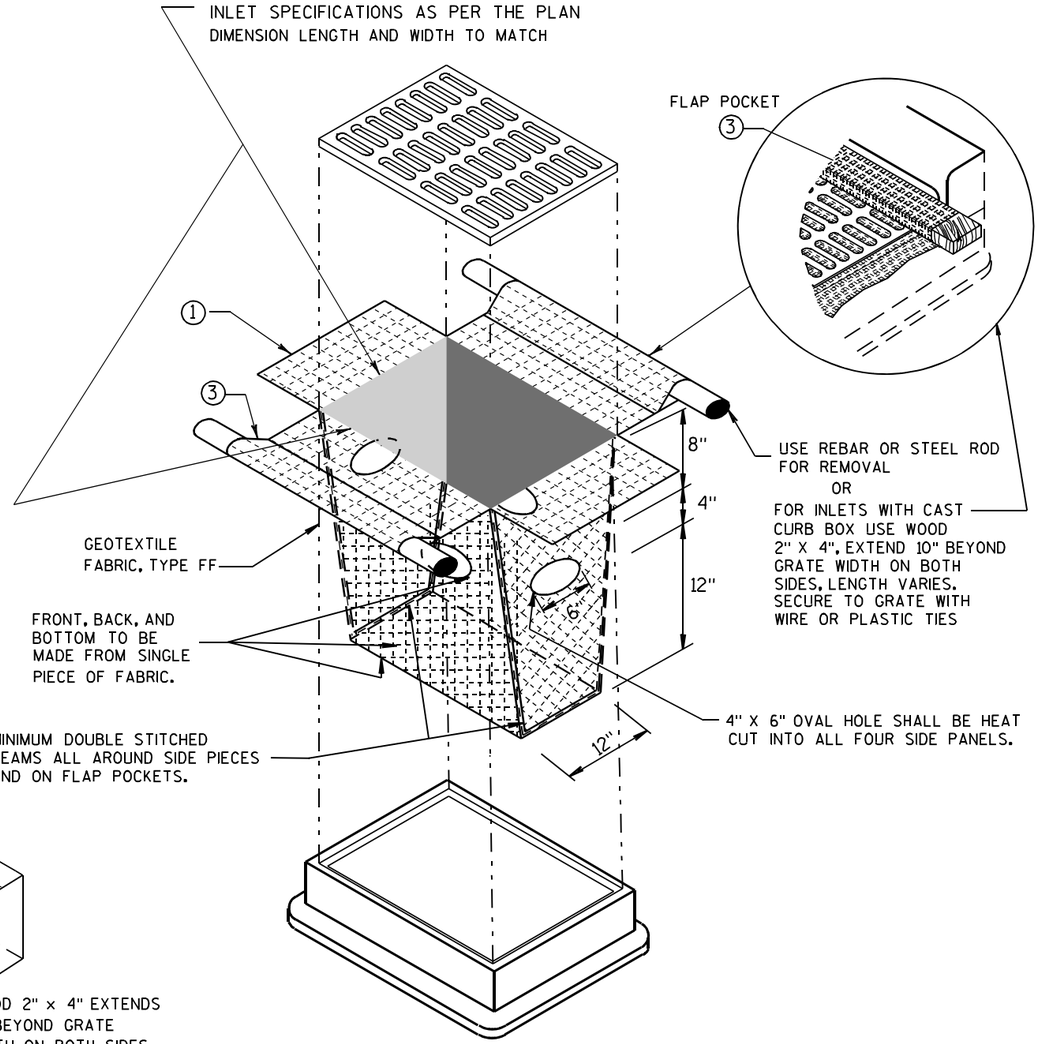


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

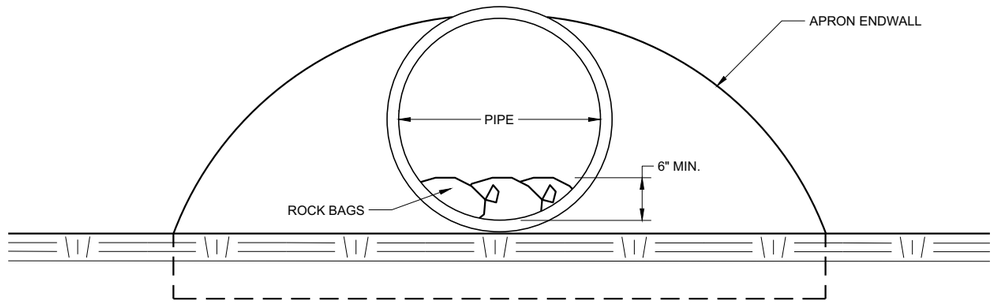
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

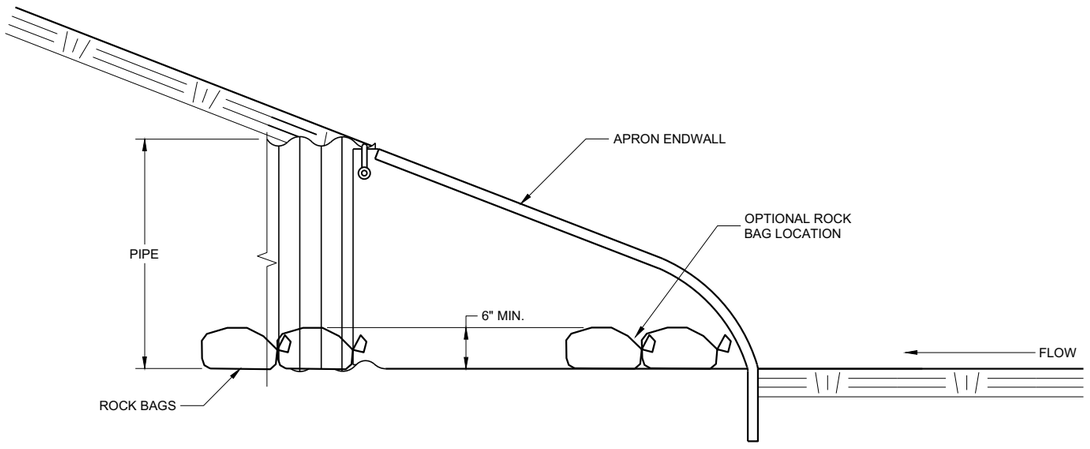
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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 200
FHWA	

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

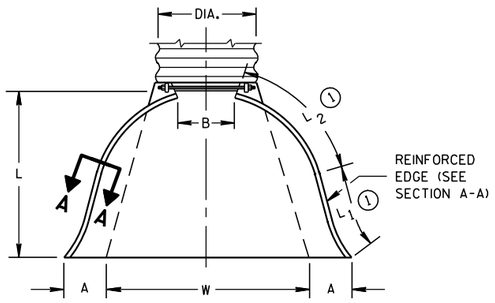
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

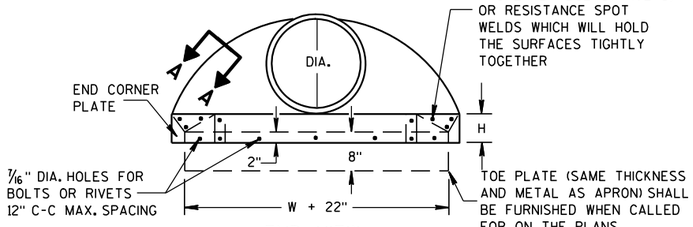
REINFORCED CONCRETE APRON ENDWALLS

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

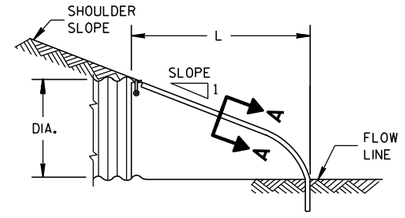
*MINIMUM
**MAXIMUM



PLAN VIEW

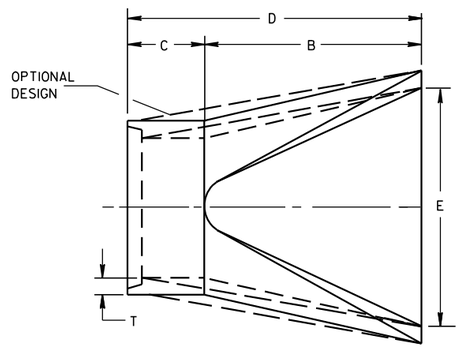


END VIEW

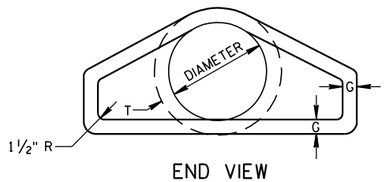


SIDE ELEVATION

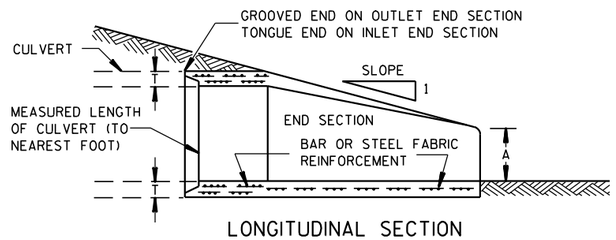
METAL ENDWALLS



PLAN

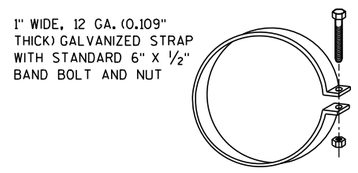


END VIEW



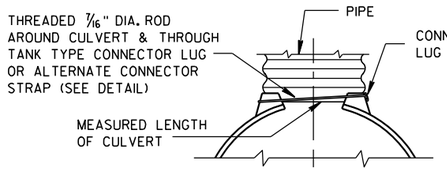
LONGITUDINAL SECTION

CONCRETE ENDWALLS

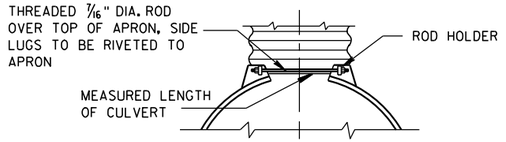


ALTERNATE FOR TYPE 1 CONNECTION

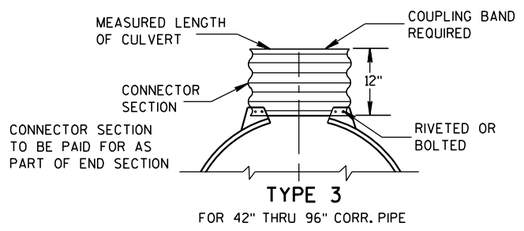
END SECTION CONNECTOR STRAP



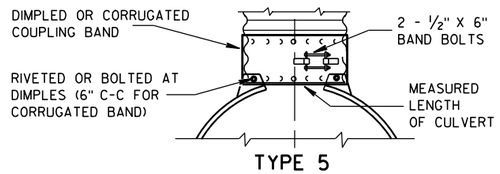
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

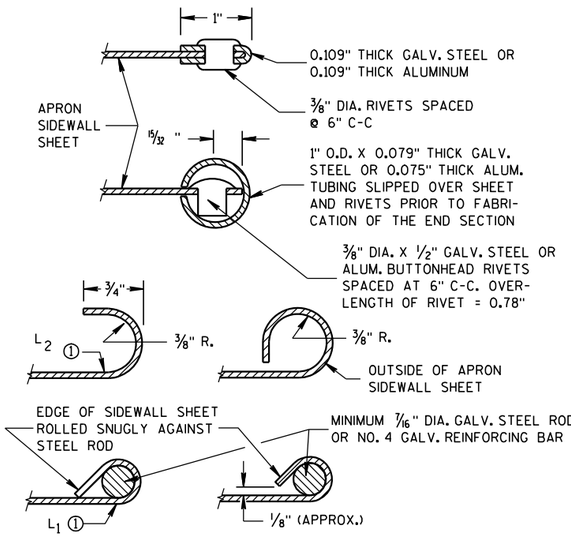
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

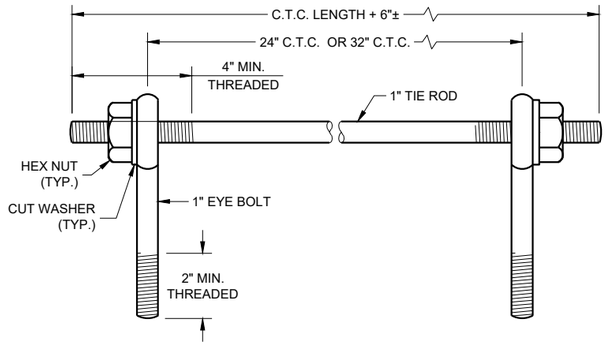
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

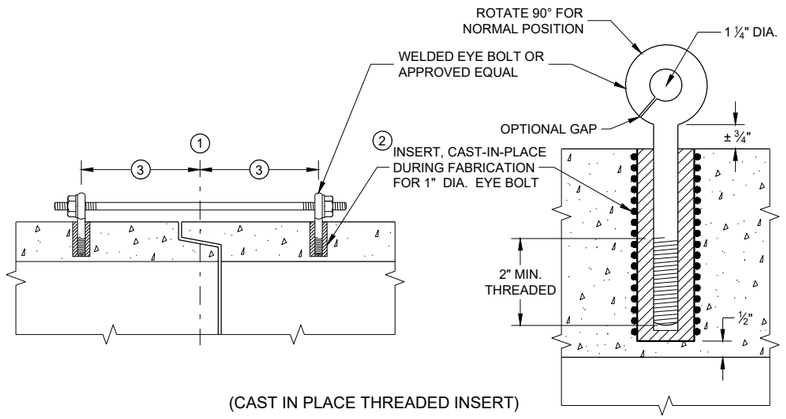
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

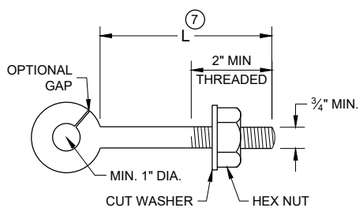
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

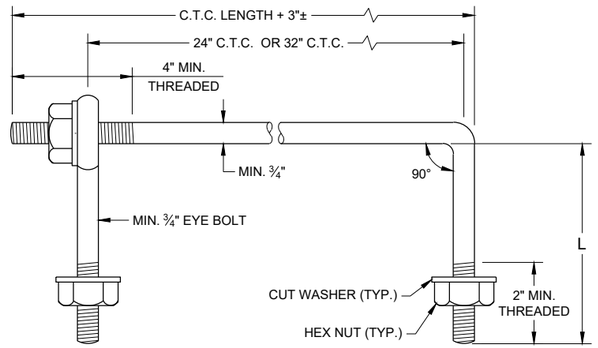
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

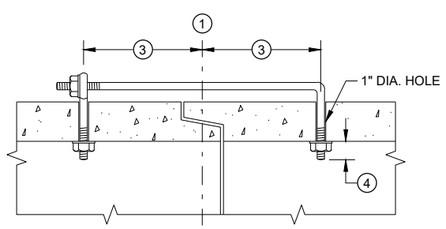


EYE BOLT (7)

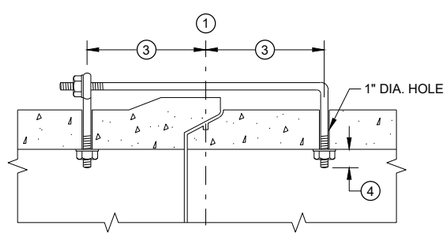
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

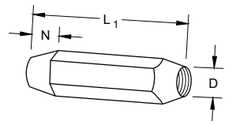
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

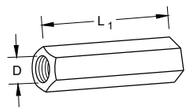
ADJUSTABLE TIE ROD TABLE

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



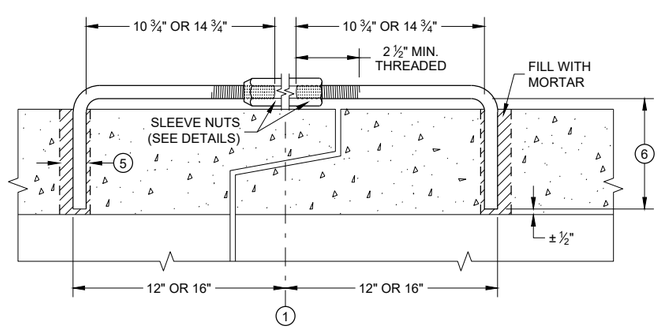
TAPERED



PLAIN

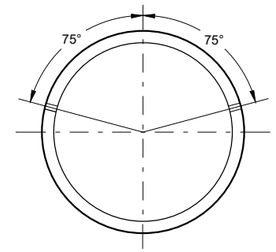
RIGHT AND LEFT THREADS

SLEEVE NUTS



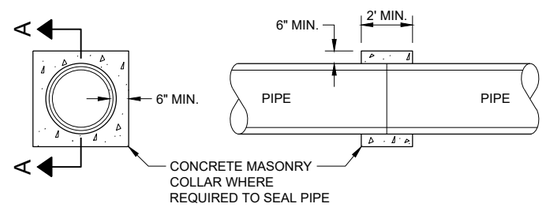
LONGITUDINAL SECTION

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

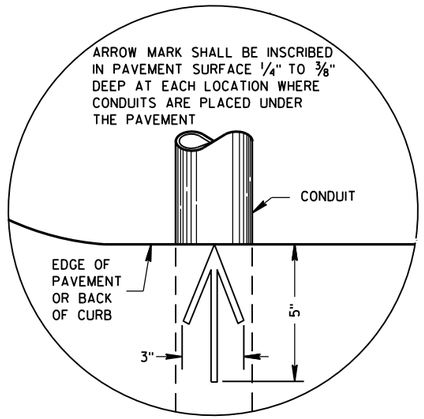
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

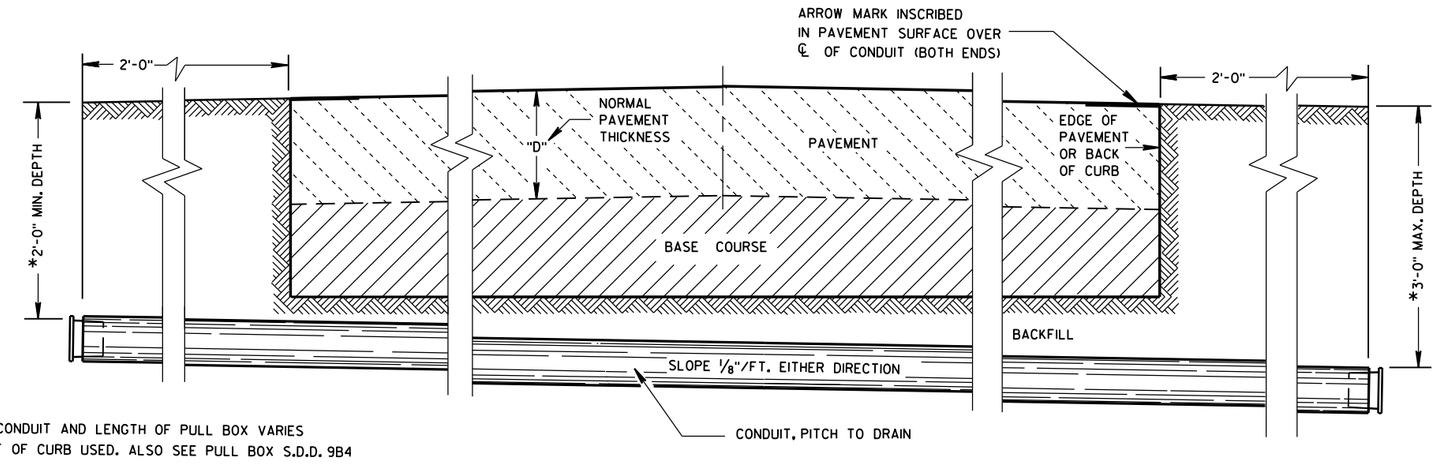
6

SDD 08F04 - 08



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

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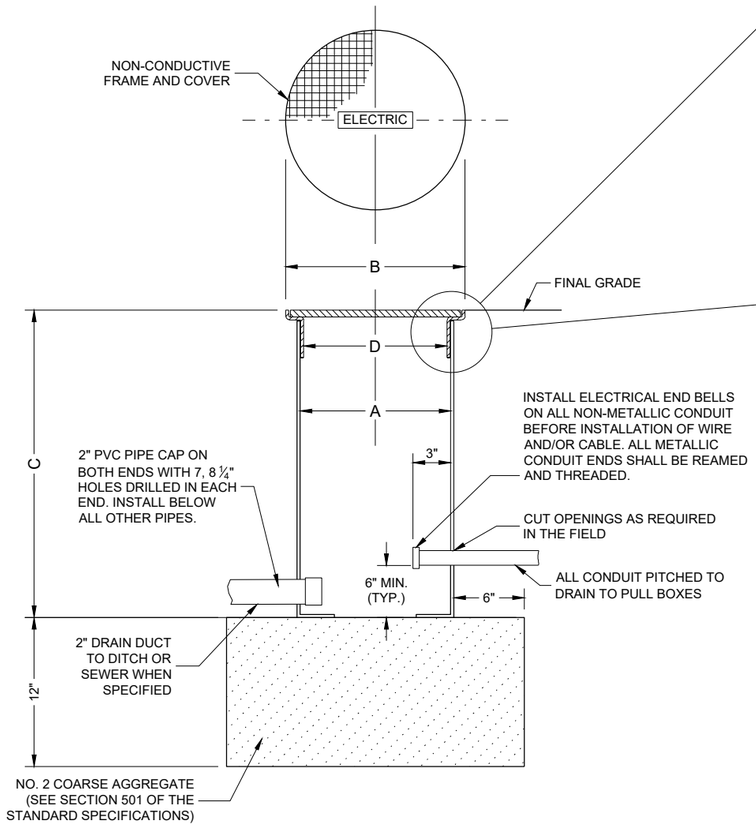
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

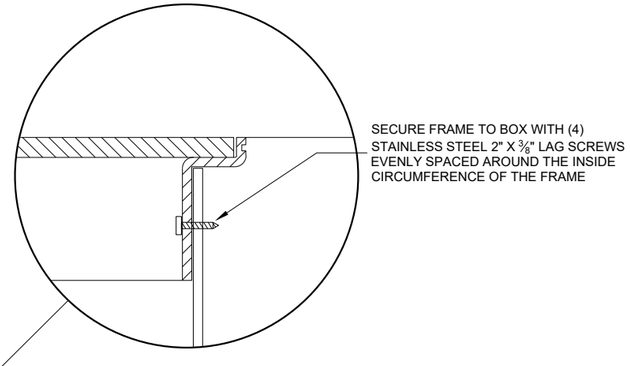
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

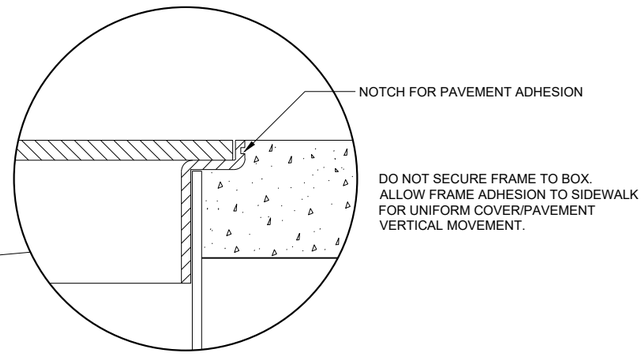
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



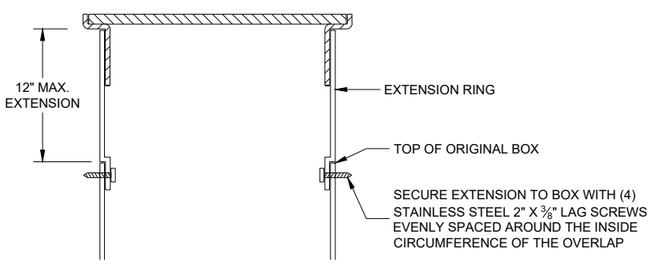
NON-CONDUCTIVE PULL BOX



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".

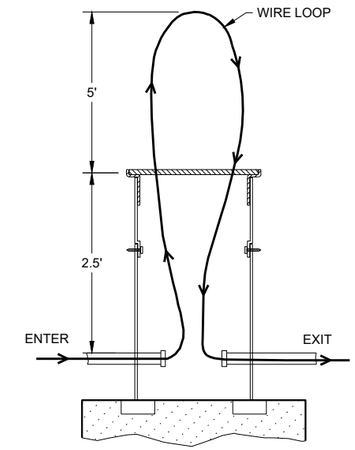
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

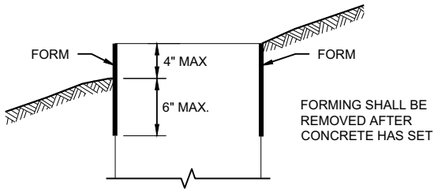
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 204

FHWA

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SDD 09B16 - 02

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.

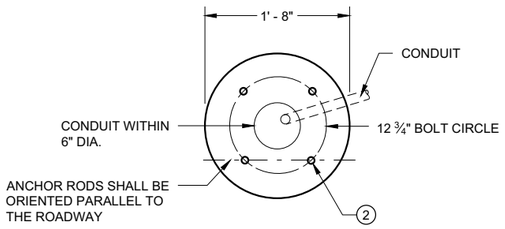
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

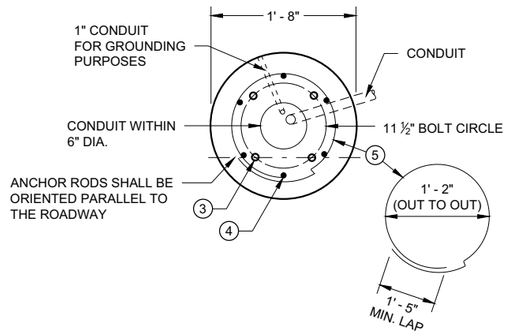
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

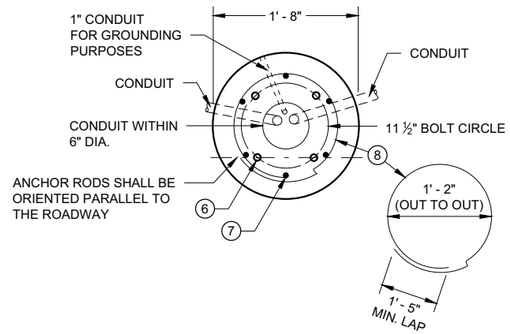
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

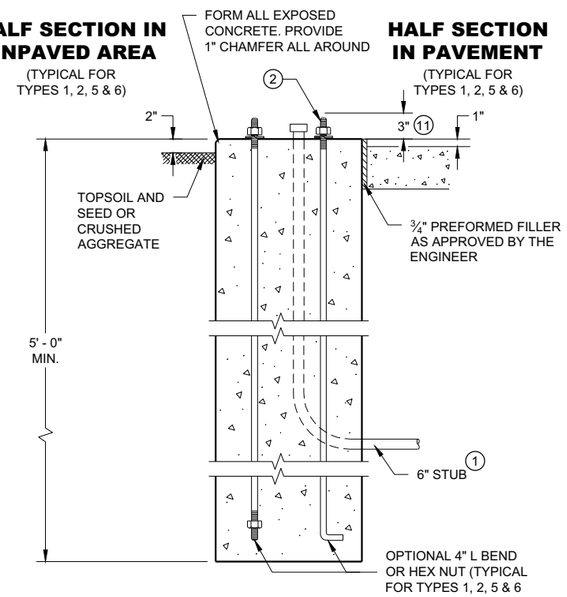
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

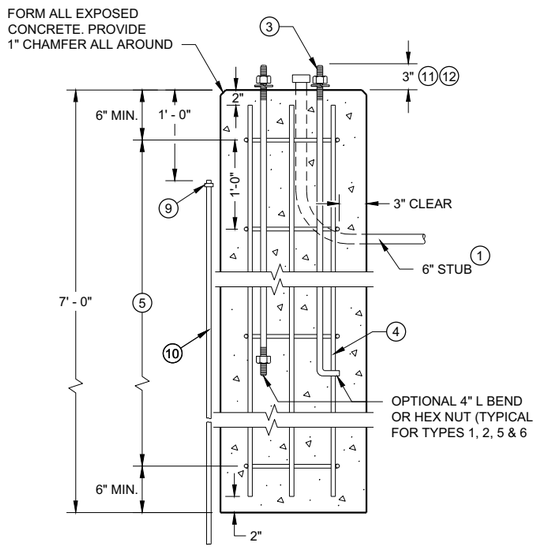
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

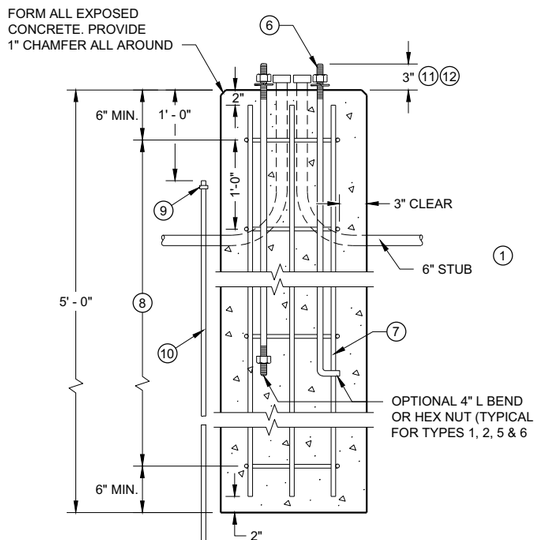
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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

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GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

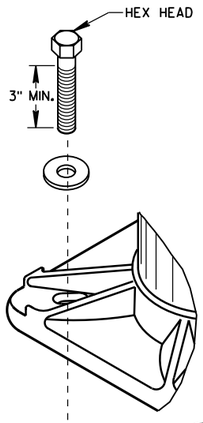
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

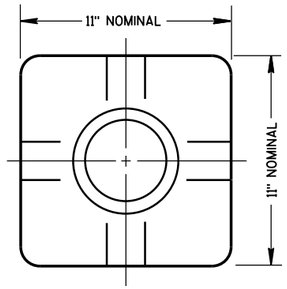
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

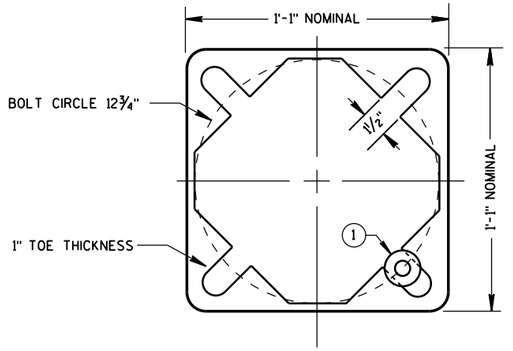
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

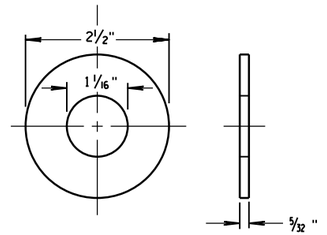




TOP VIEW
(PEDESTAL BASE)

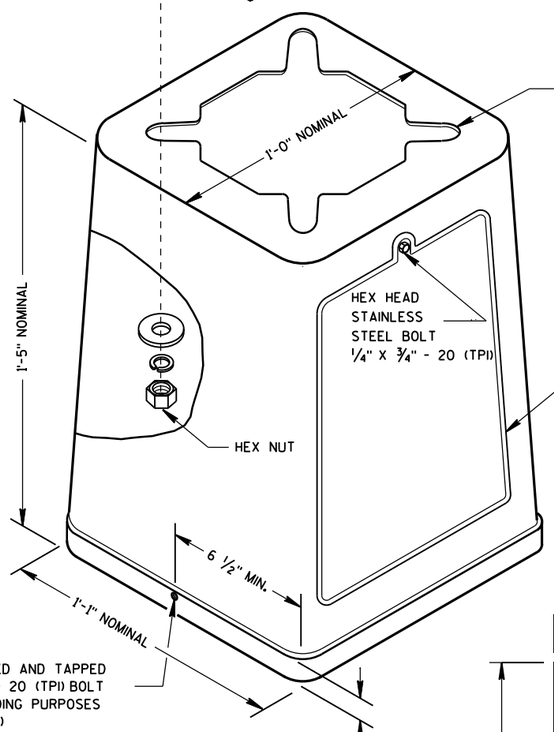


BOTTOM VIEW
(PEDESTAL BASE)

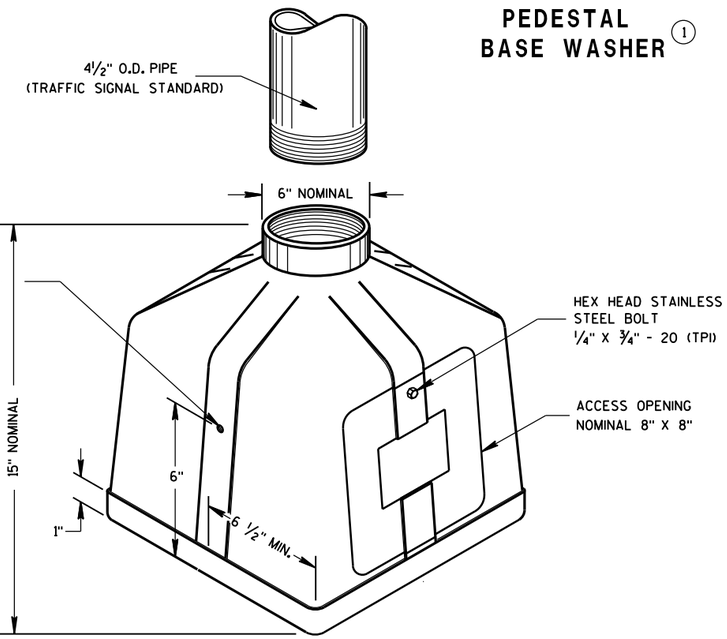


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

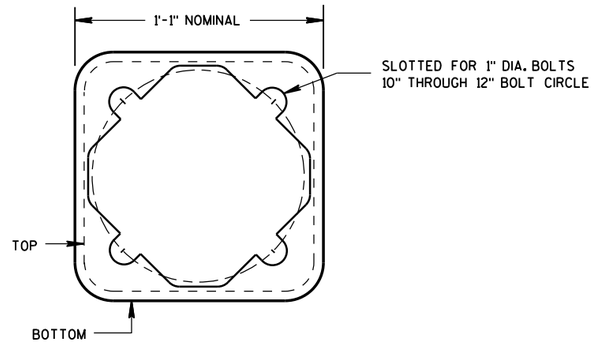


ISOMETRIC VIEW

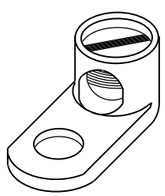


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

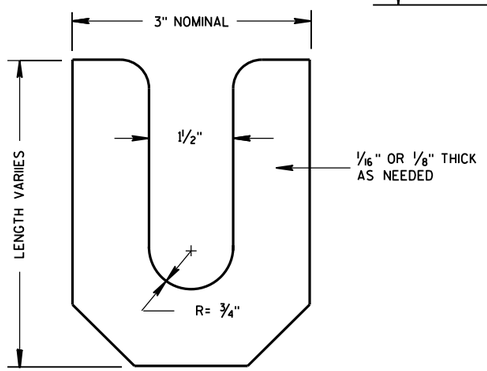


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
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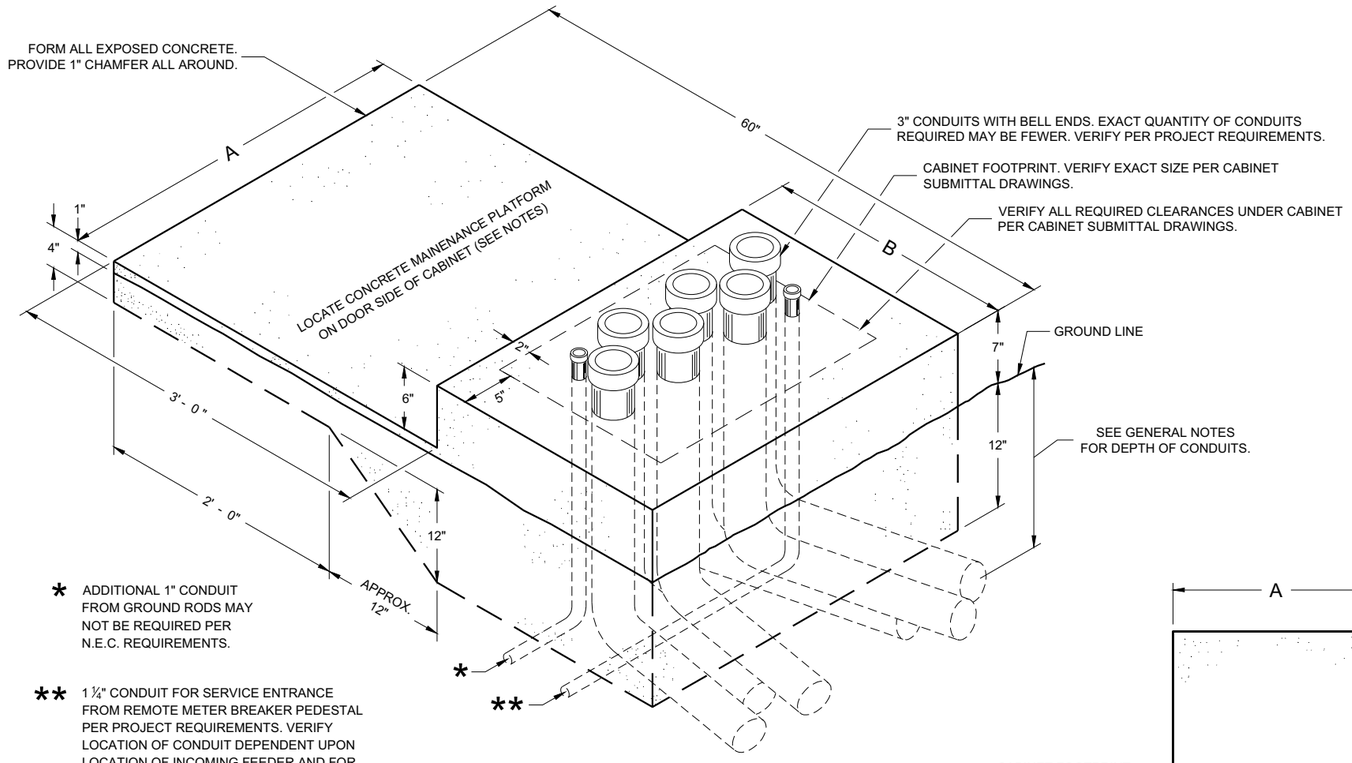
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Sept. 2014 — DATE
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

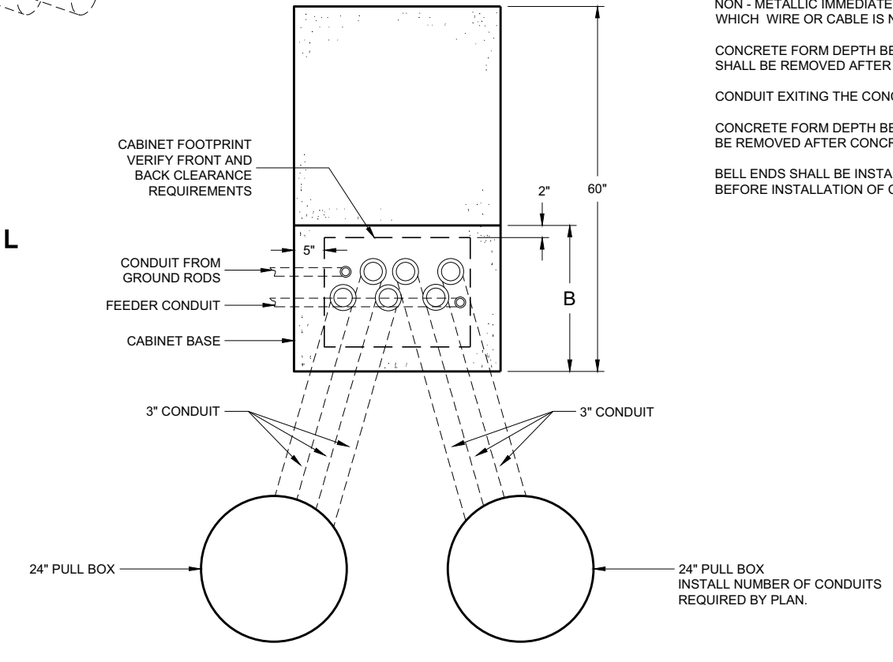
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

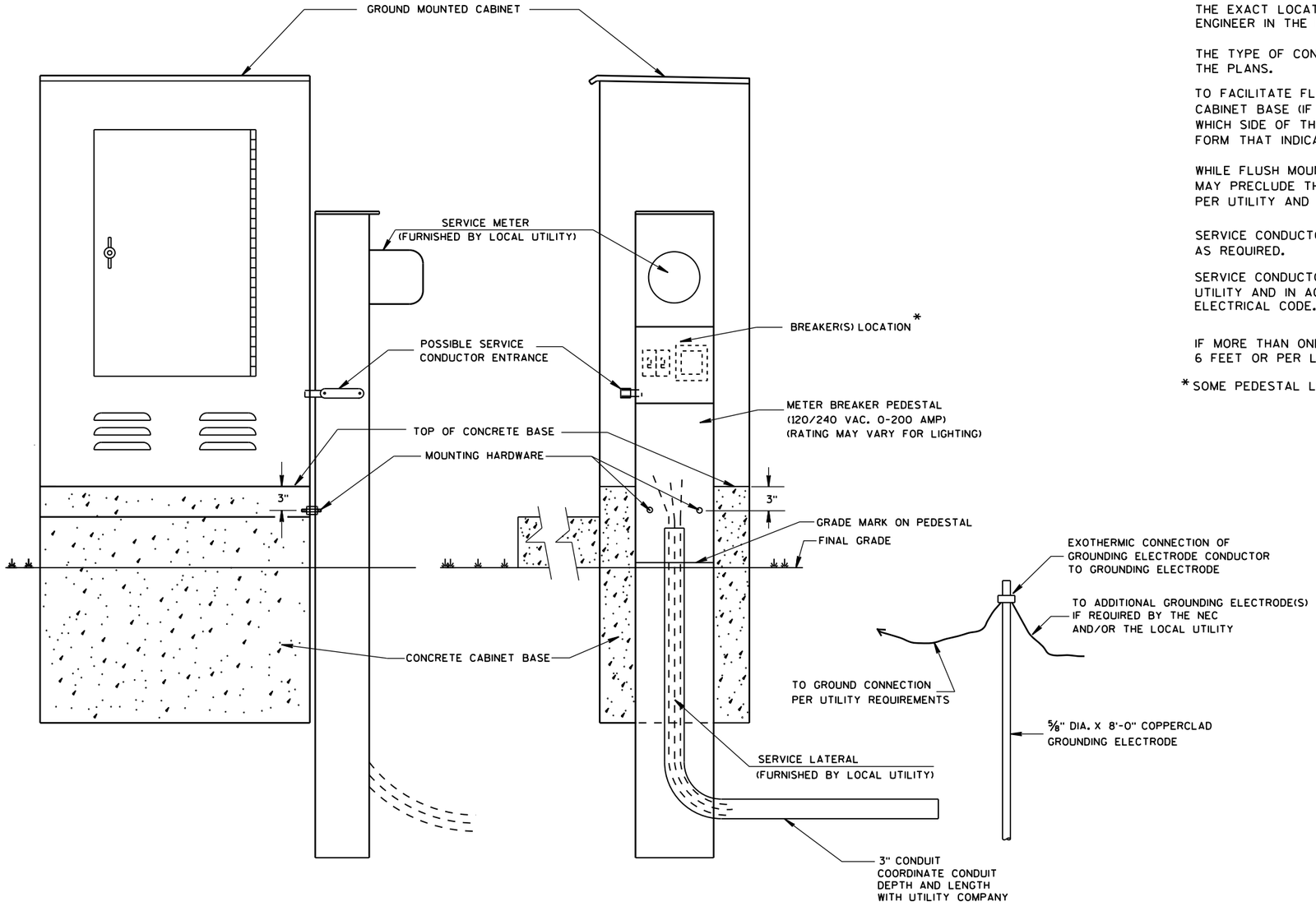
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 207

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TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

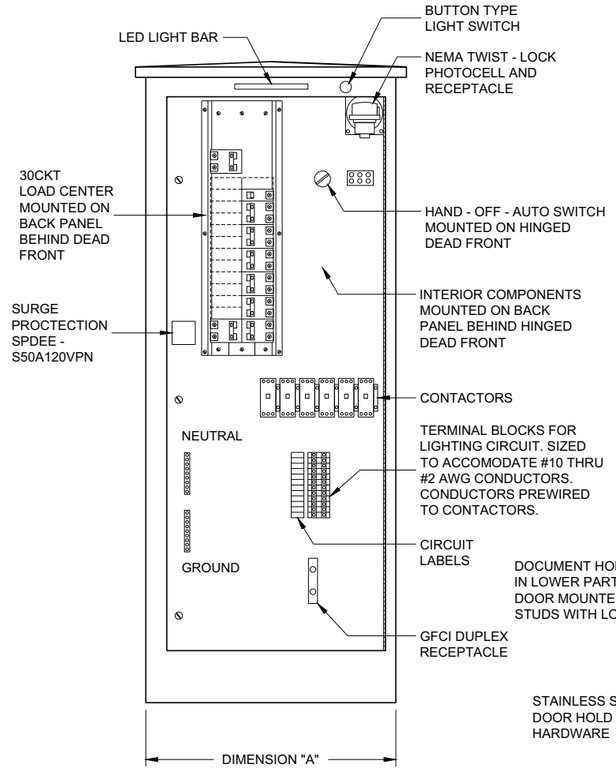
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APPROVED
Sept. 2014
DATE

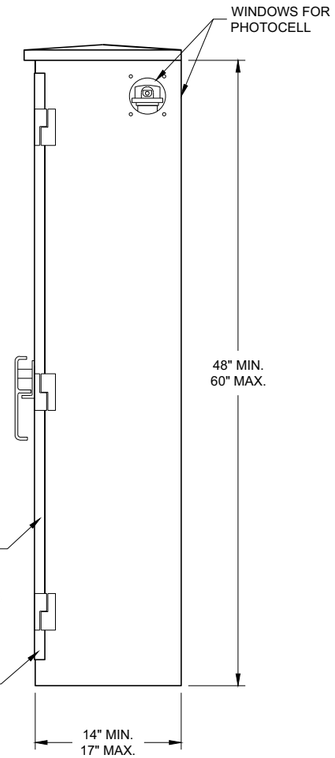
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FRONT INTERIOR ELEVATION



SIDE VIEW



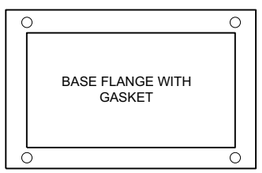
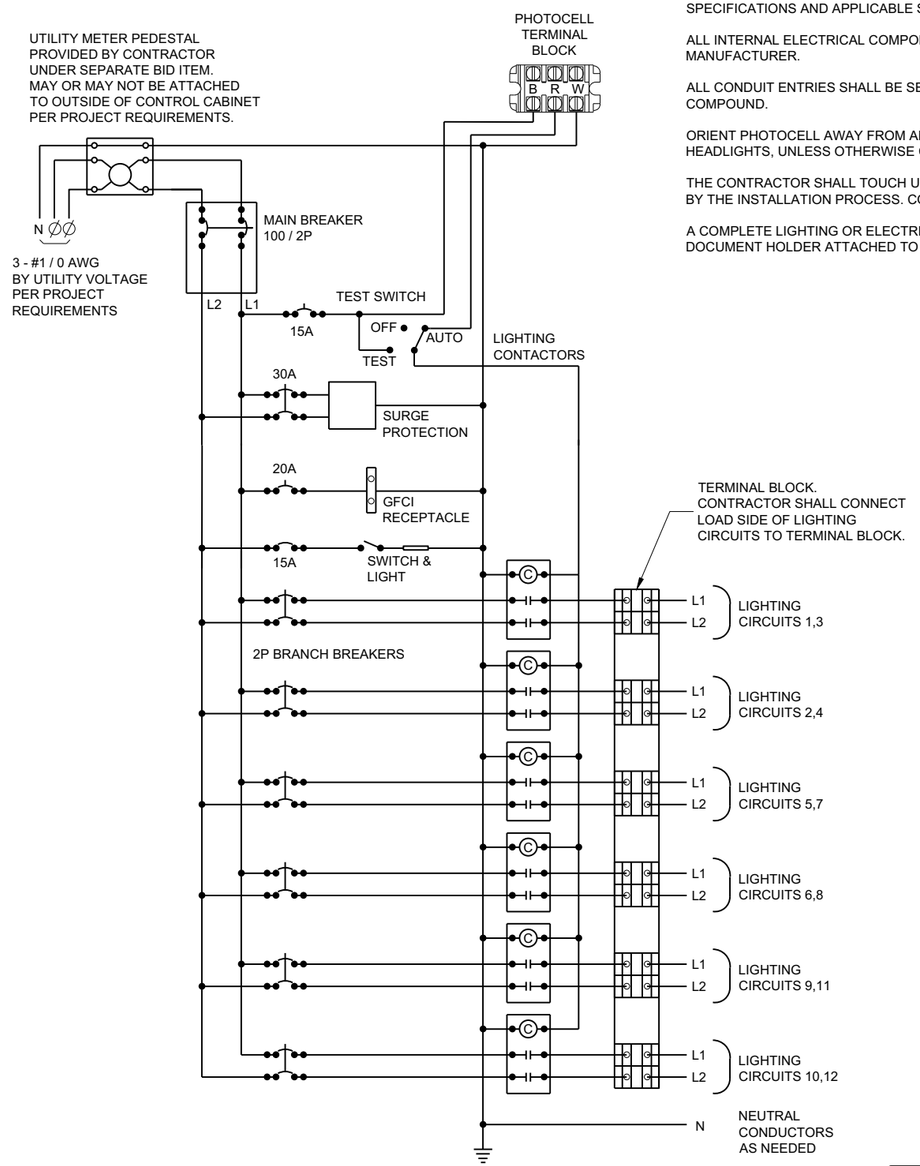


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

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

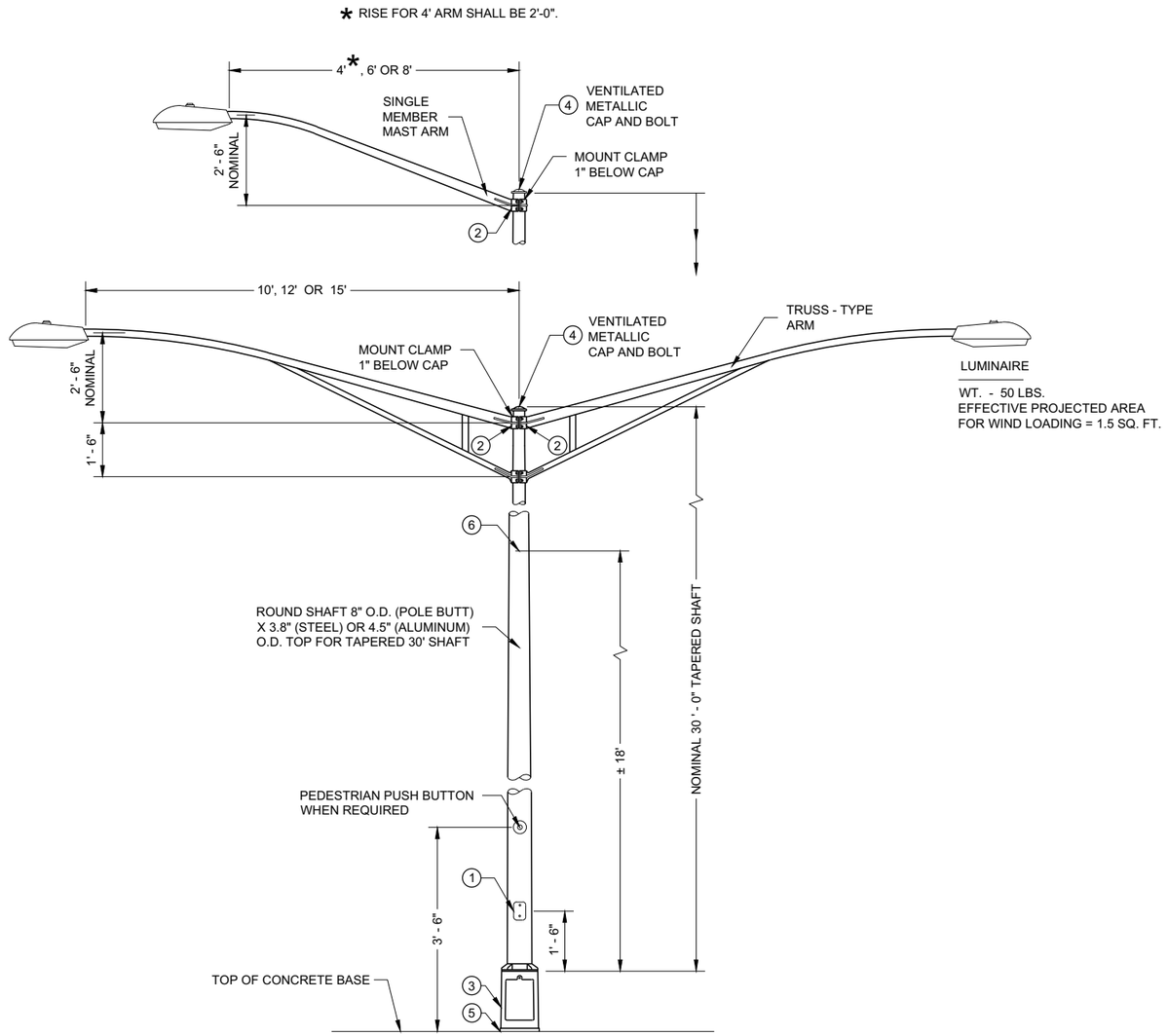
STATE OF WISCONSIN
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APPROVED
November 2018
DATE

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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.

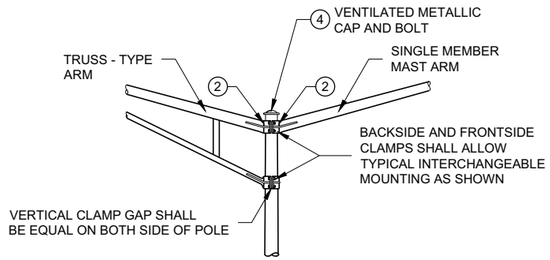
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(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)

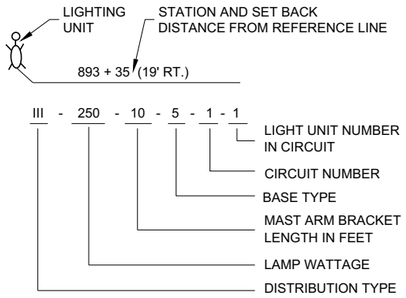
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SDD 09E01 - 15d

GENERAL NOTES

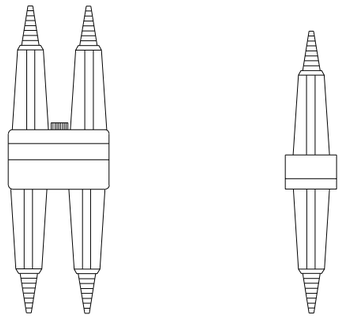
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

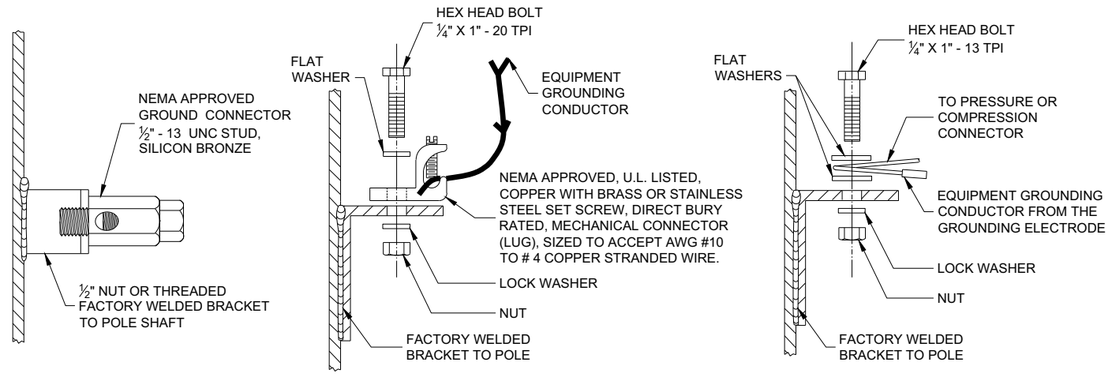


LIGHTING UNIT CODE
(TYPICAL)

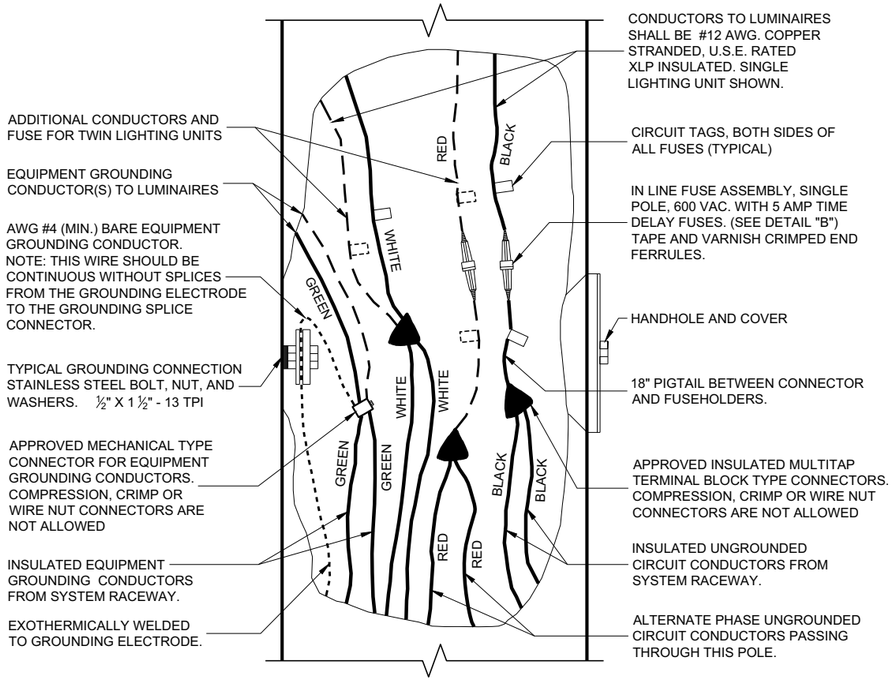


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

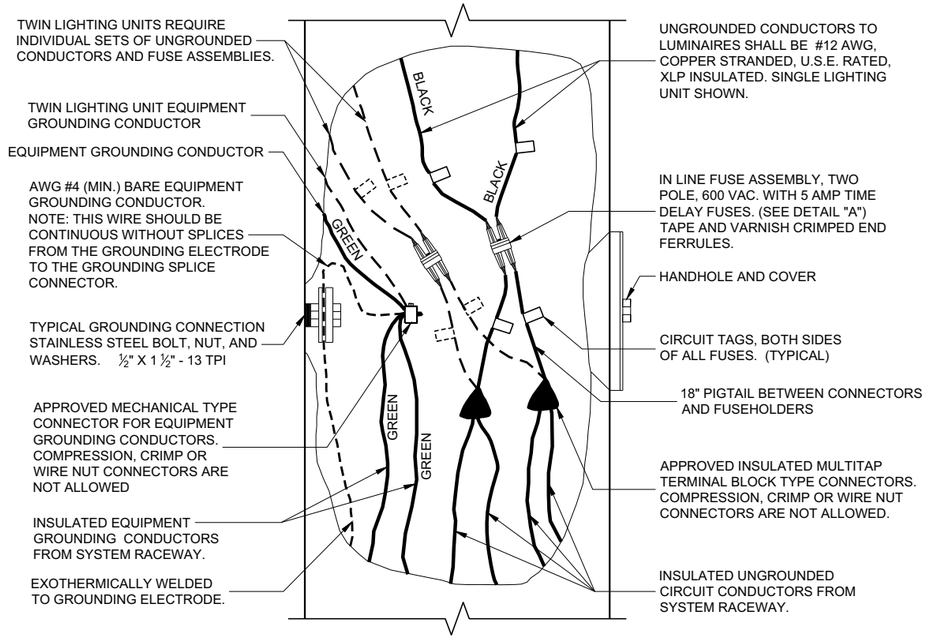
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

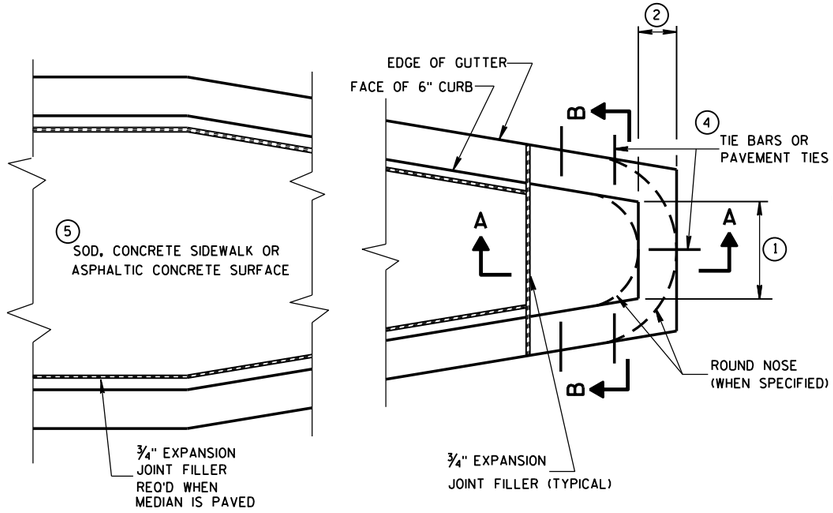
NON - FREEWAY LIGHTING UNIT POLE WIRING

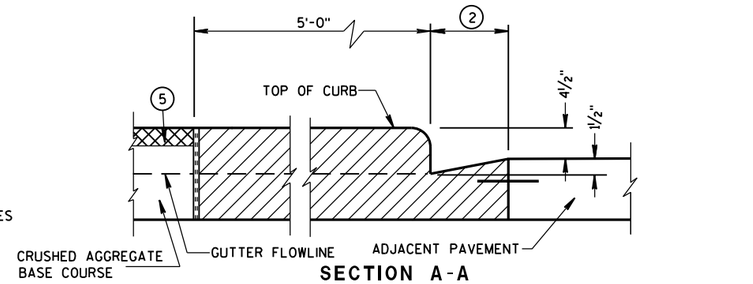
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

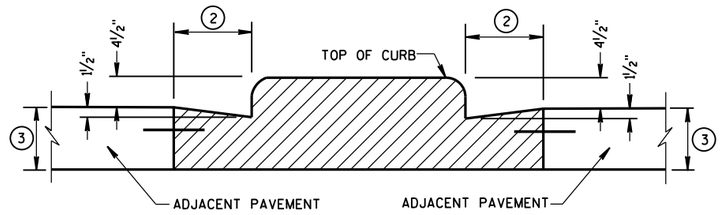
FHWA

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SDD 09E03 - 06





SECTION A-A



SECTION B-B

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.

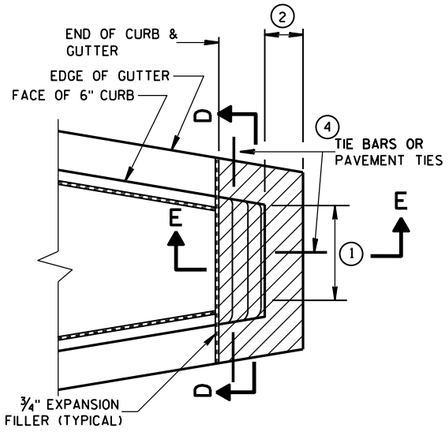
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

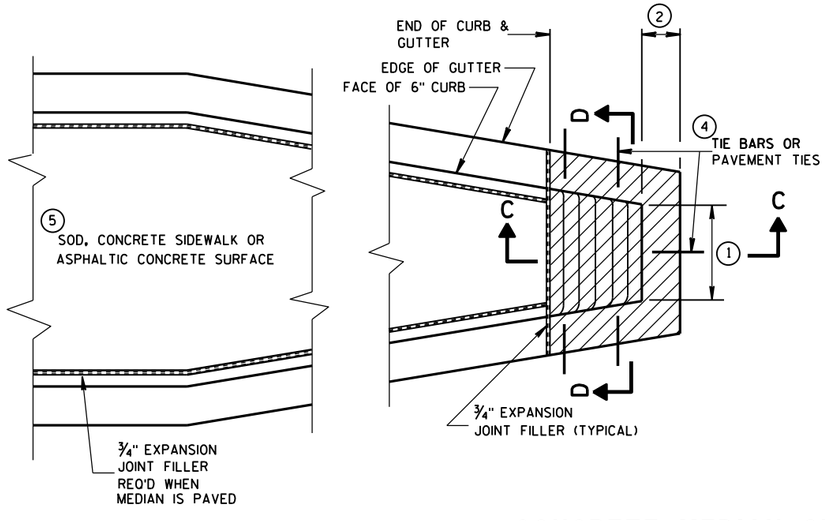
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

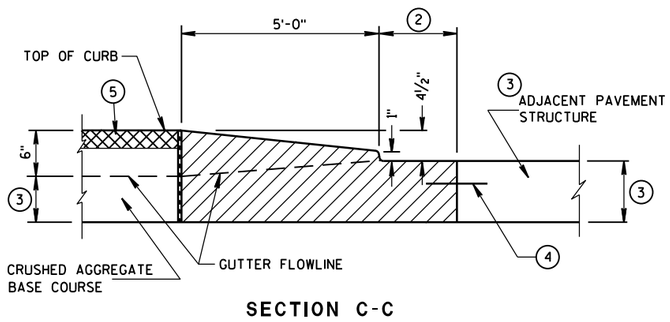
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

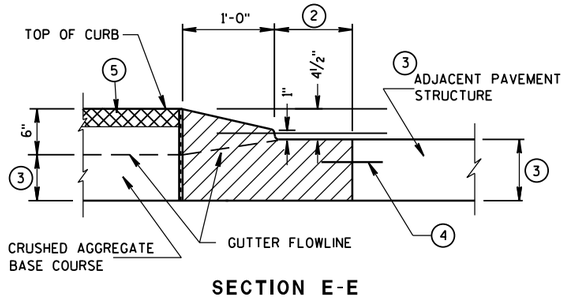




CONCRETE MEDIAN SLOPED NOSE TYPE 1

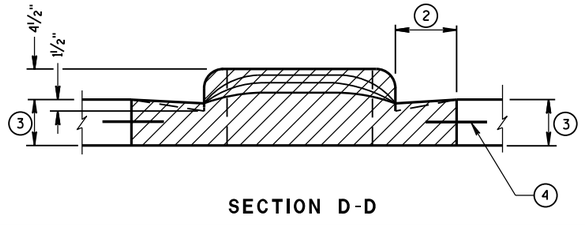


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

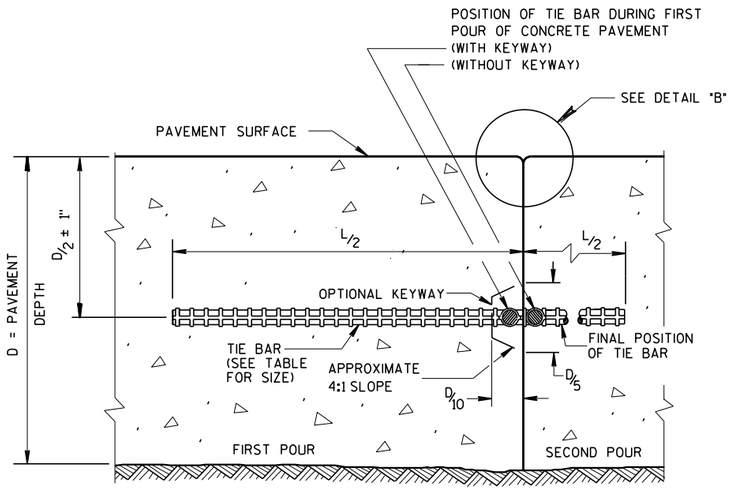
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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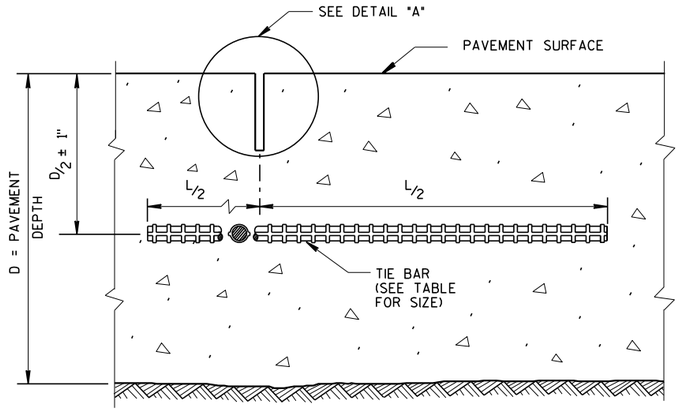
S.D.D. 11 B 2-2

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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.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

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

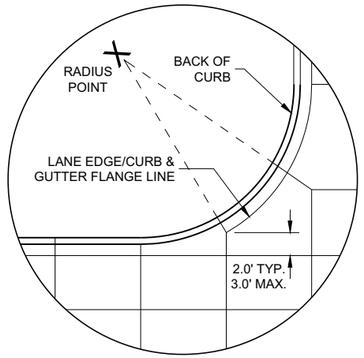
FHWA

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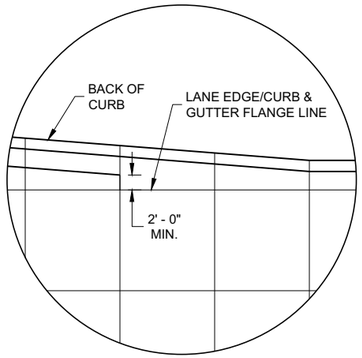
S.D.D. 13 C 1-19

6

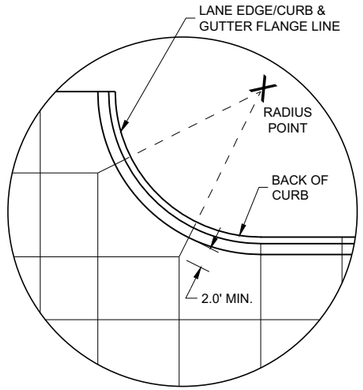
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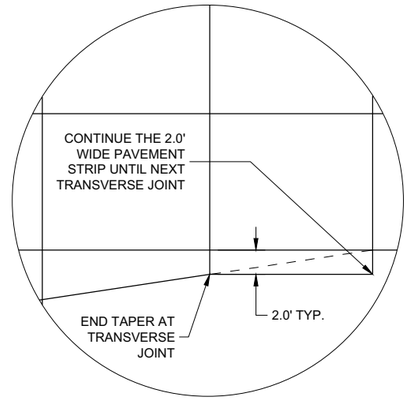
DETAIL "A"



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.

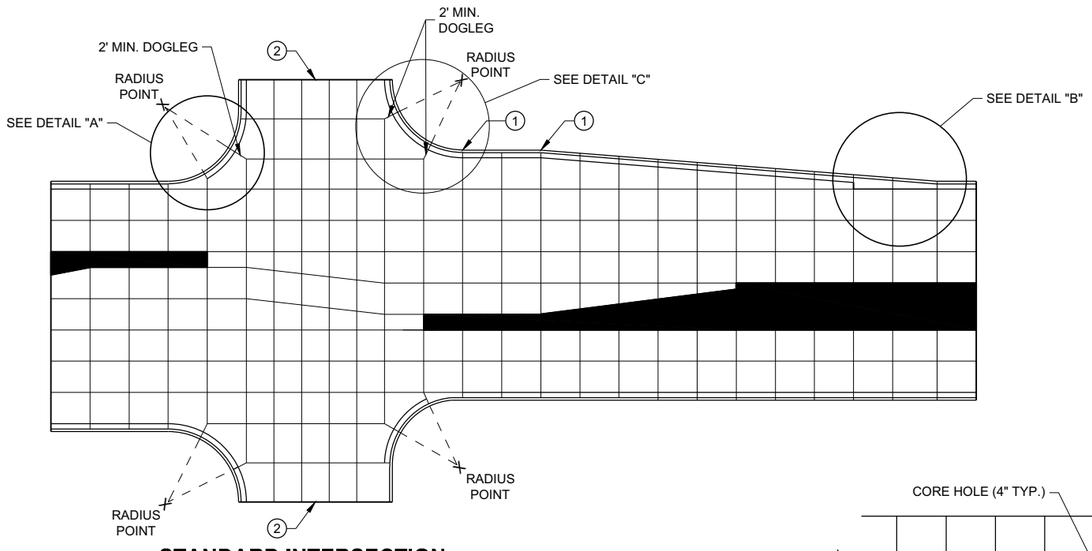
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

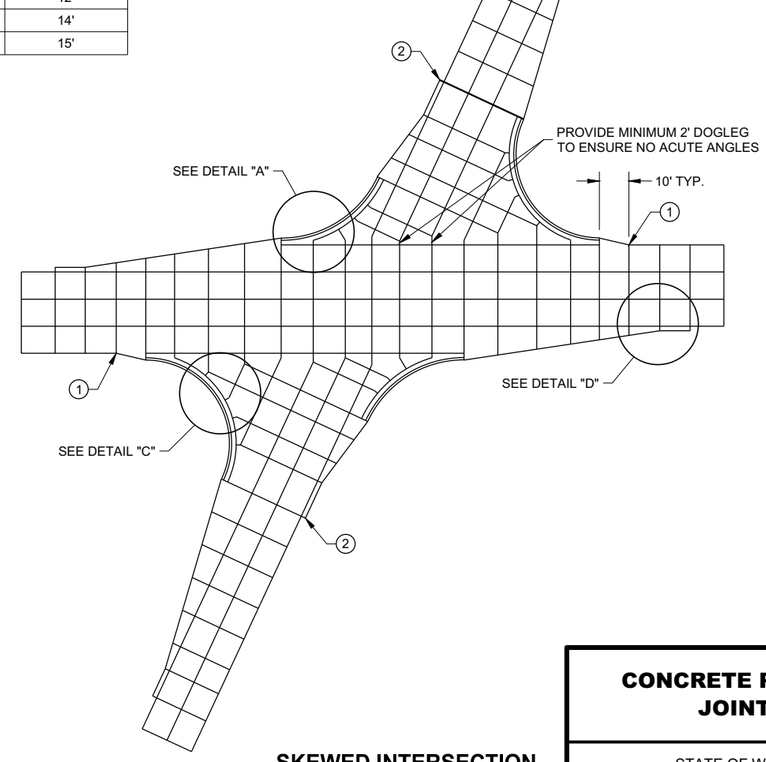
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



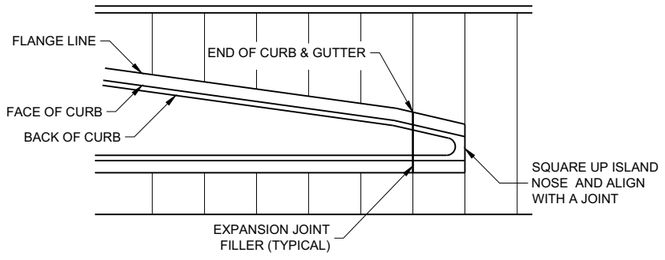
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

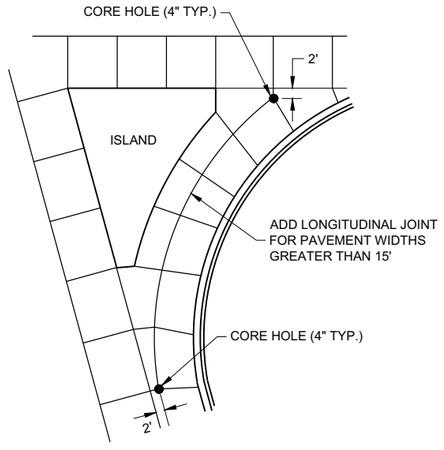
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 13C18 - 07a

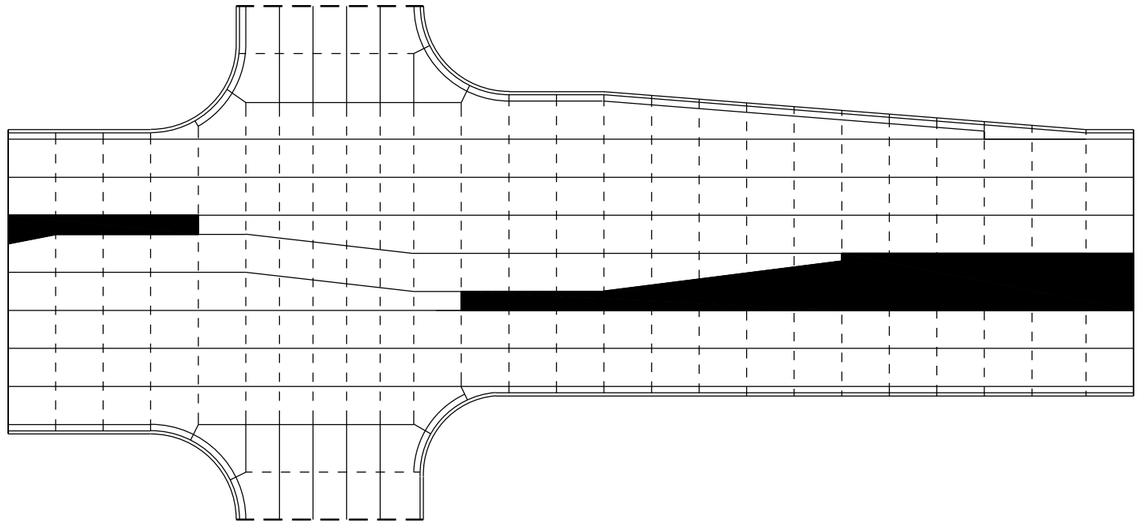
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

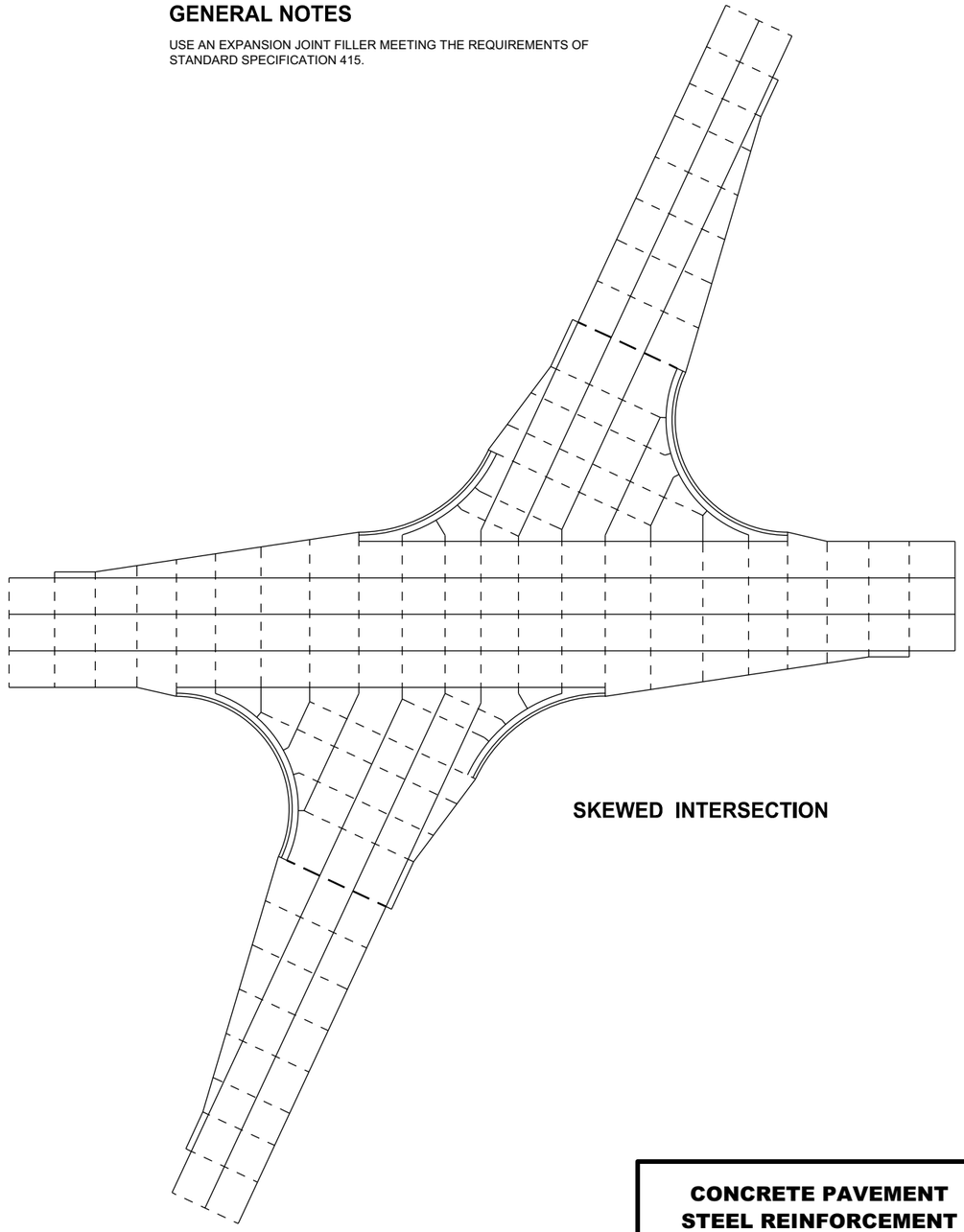
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

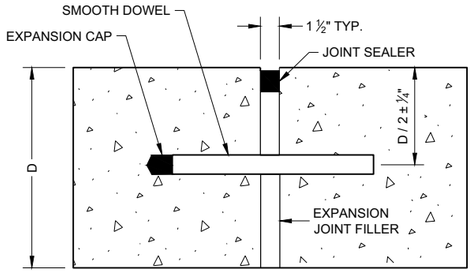
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

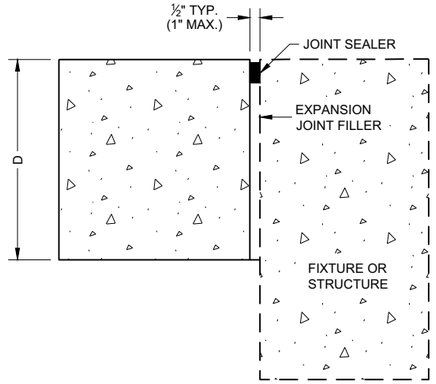
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

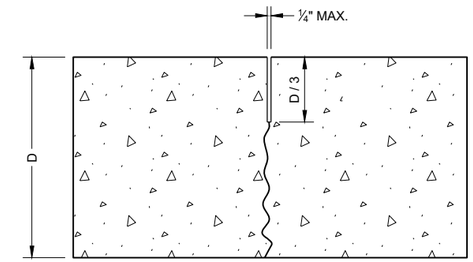
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

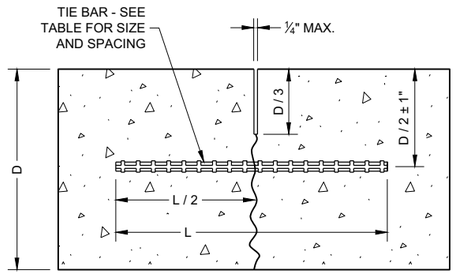
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

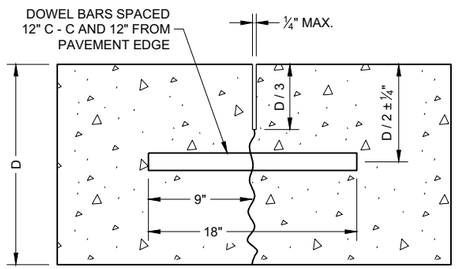
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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

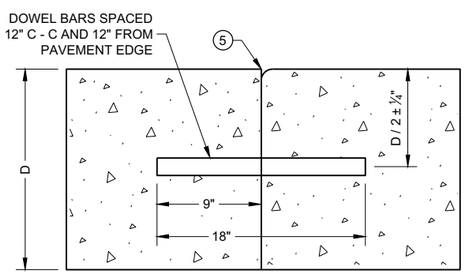


TIED LONGITUDINAL

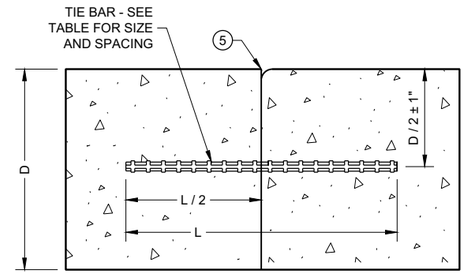


DOWELED TRANSVERSE

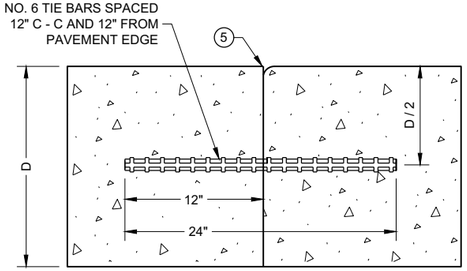
CONTRACTION JOINTS (2)



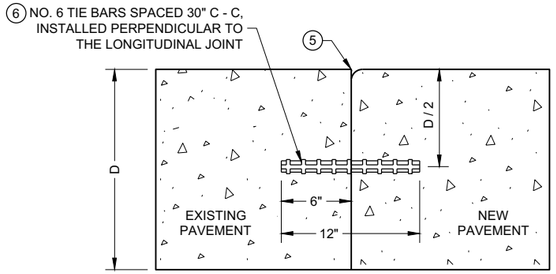
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

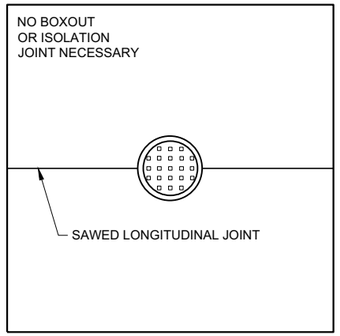
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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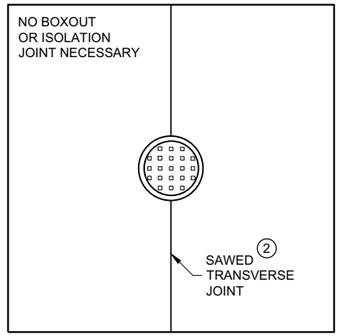
SDD 13C18 - 07c

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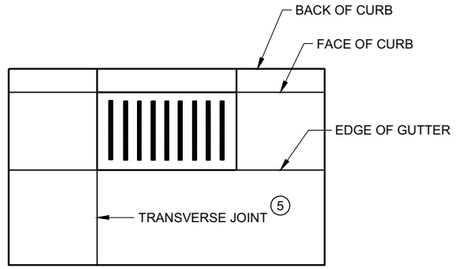
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MANHOLE WITH LONGITUDINAL JOINT



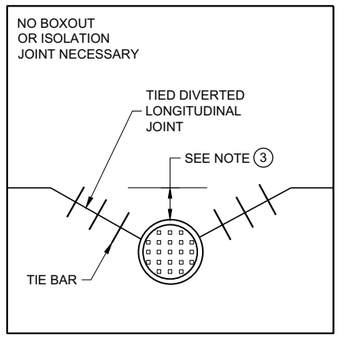
MANHOLE WITH TRANSVERSE JOINT



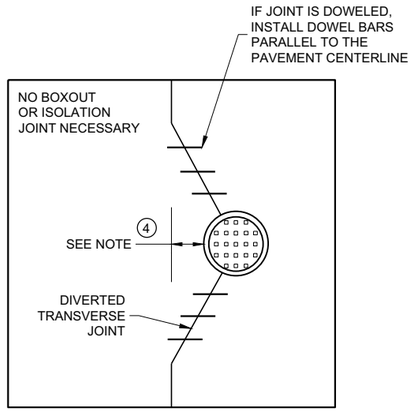
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

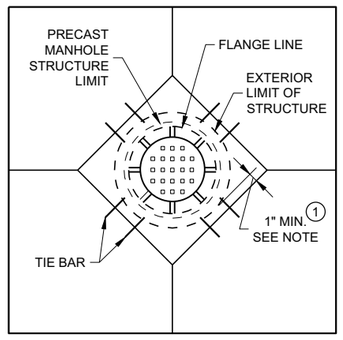
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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

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DEPARTMENT OF TRANSPORTATION

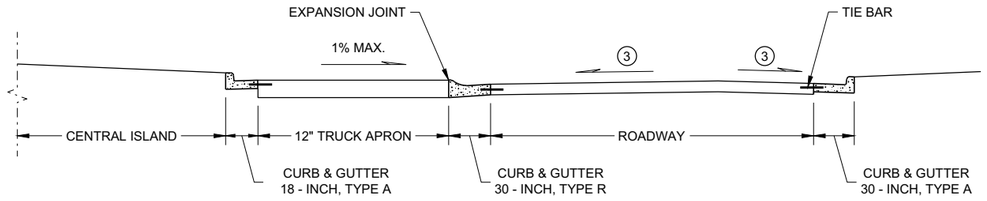
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

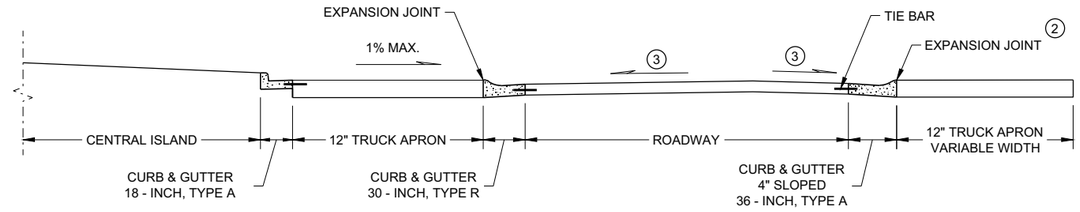
FHWA

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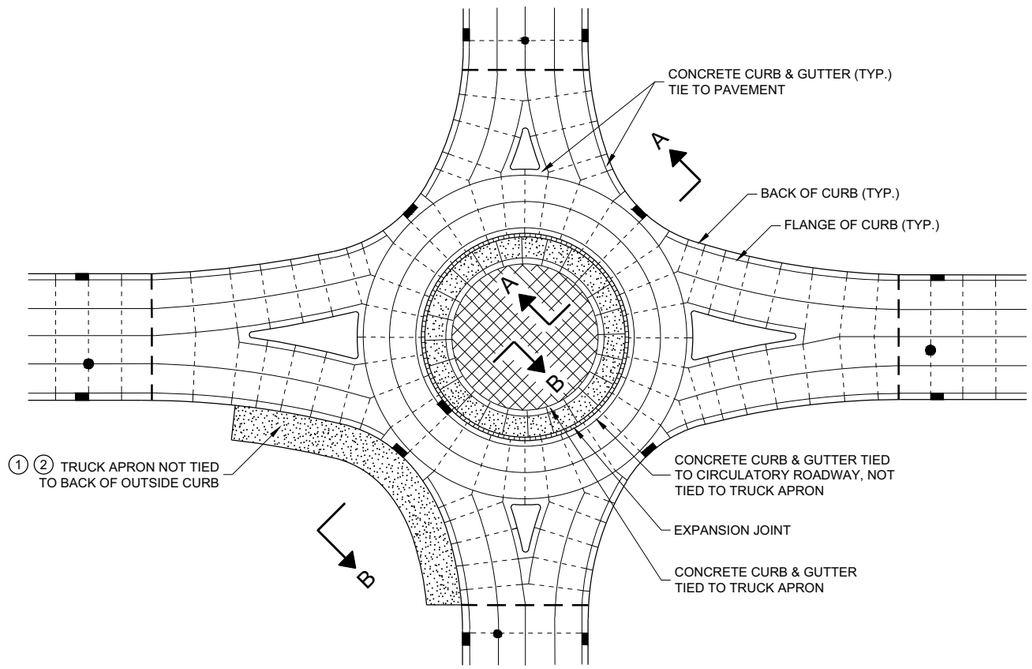
SDD 13C18 - 07d
SDD 13C18 - 07d



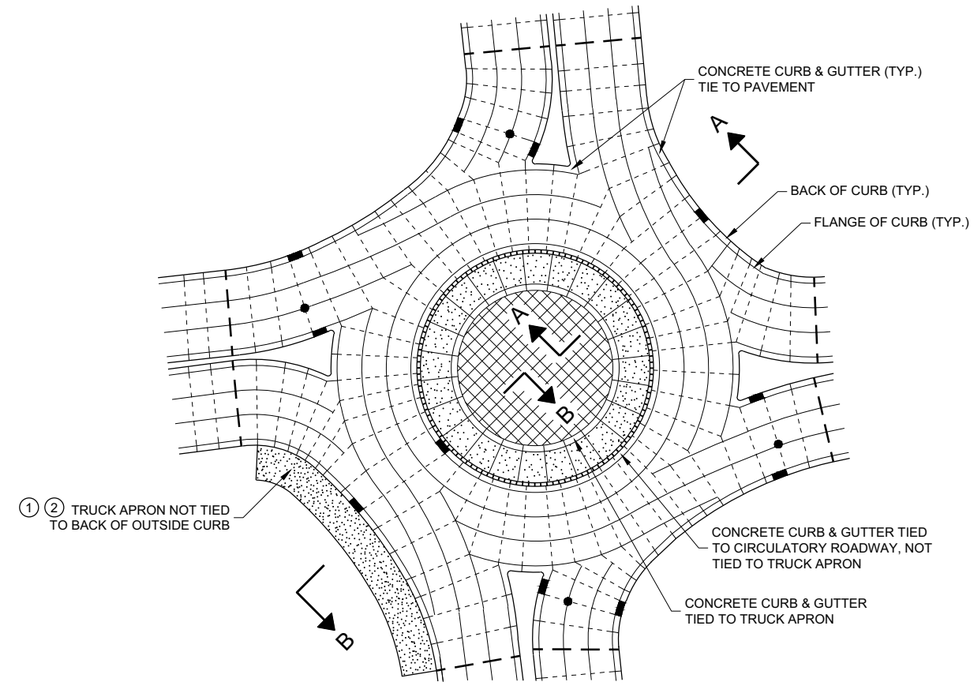
SECTION A - A



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

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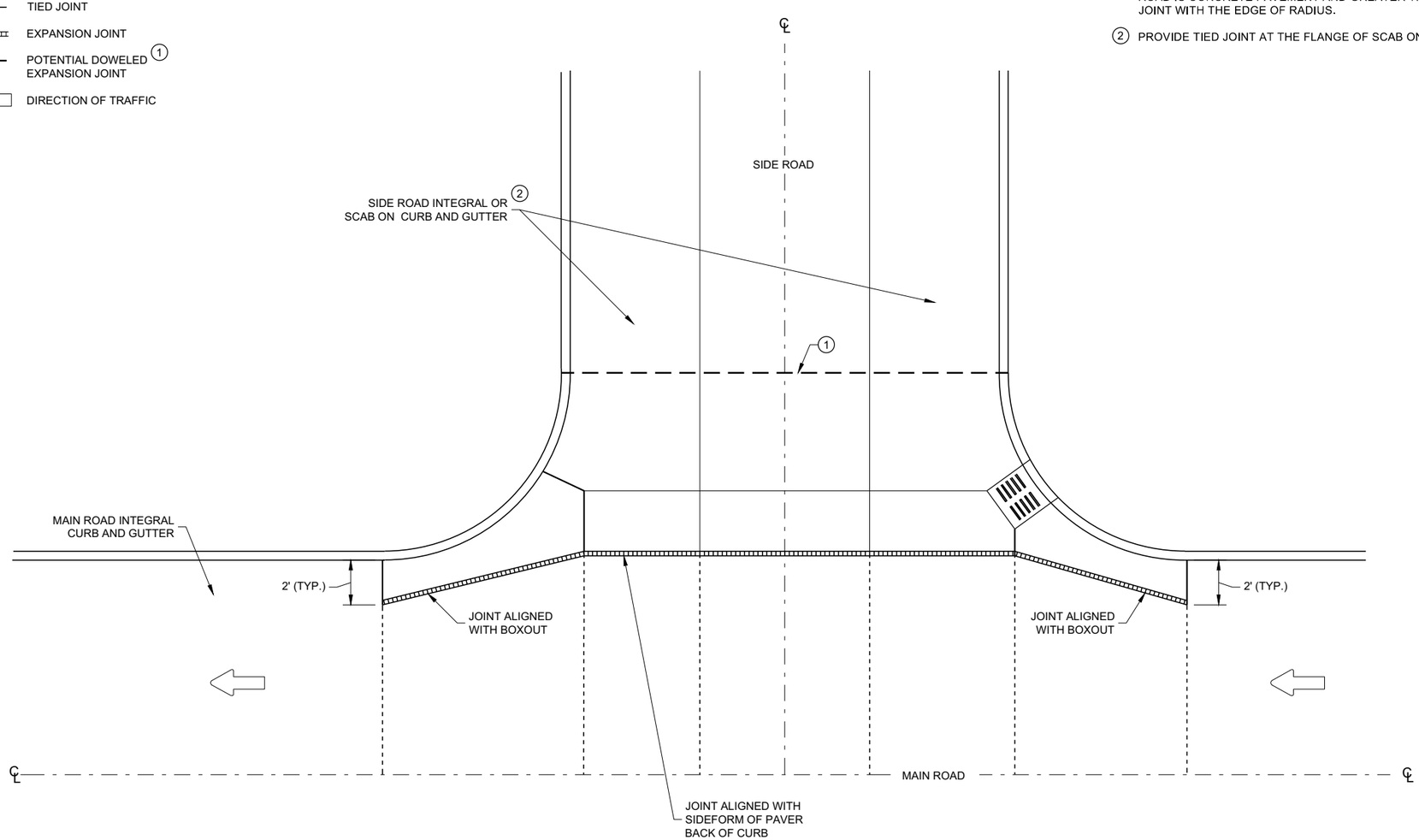
SDD 13C18 - 07e

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SDD 13C18 - 07e

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) 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 WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

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November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

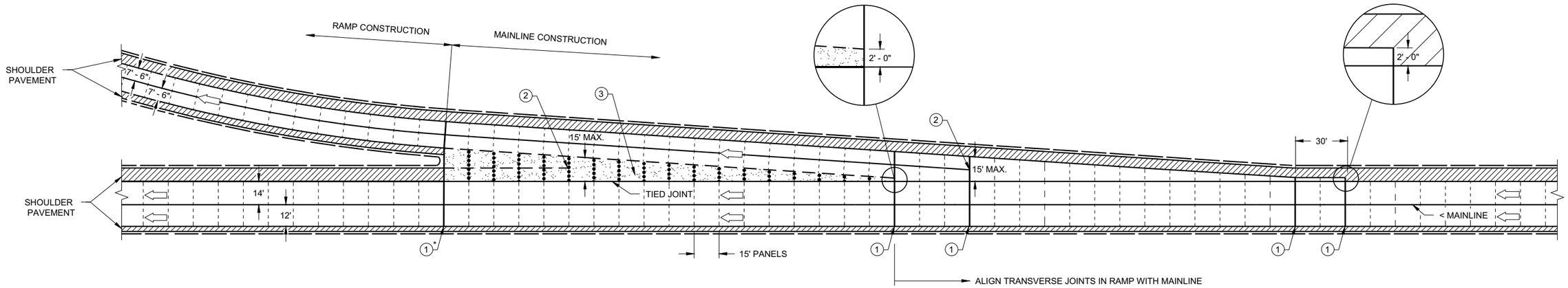
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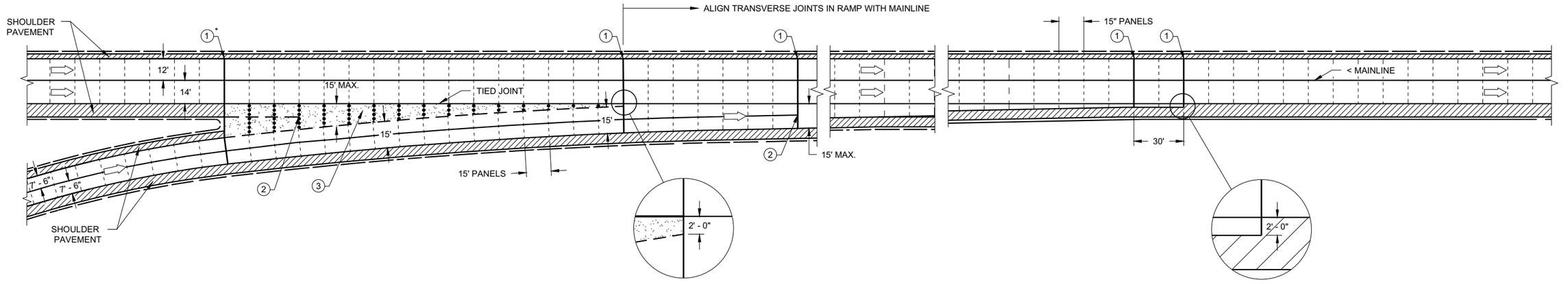
SDD 13C18 - 07f

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SDD 13C18 - 07f



DECELERATION LANE



ACCELERATION LANE

GENERAL NOTES

PAVEMENT AND BASE THICKNESS, PANEL LENGTHS, JOINTS AND REINFORCEMENT FOR THE DECELERATION AND ACCELERATION LANES, INCLUDING TAPERS, SHALL BE THE SAME AS THE MAINLINE, EXCEPT WHERE OTHERWISE NOTED.

ALL REINFORCEMENT BARS SHALL BE EPOXY COATED CONFORMING TO SUBSECTION 505.2.6 OF THE STANDARD SPECIFICATIONS.

LANE AND SHOULDER WIDTHS MAY VARY FROM SHOWN. SEE CONSTRUCTION PLANS FOR ACTUAL PROPOSED WIDTHS.

(1) CRITICAL TRANSVERSE JOINT LOCATIONS AT PAVEMENT WIDTH CHANGES. ((1)* IS NOT A CRITICAL TRANSVERSE JOINT WHEN ASPHALTIC GORE IS INSTALLED).

(2) STOP LONGITUDINAL JOINT WITH CORE HOLE (2" TYP.) WHEN IT MEETS THE FIRST TRANSVERSE JOINT LESS THAN 15' WIDE OR STOP LONGITUDINAL JOINT WHEN IT MEETS 2' AWAY FROM THE TIED JOINT OF THE MAINLINE.

(3) DISREGARD THE JOINT DETAILS IN AND AROUND THE GORE WHEN ASPHALTIC GORE IS INSTALLED.

LEGEND

- DOWELED JOINT
- UNDOWELED JOINT
- TIED JOINT
- UNTIED JOINT
- GORE
- DIRECTION OF TRAVEL

CONCRETE PAVEMENT JOINTING ACCELERATION/ DECELERATION LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

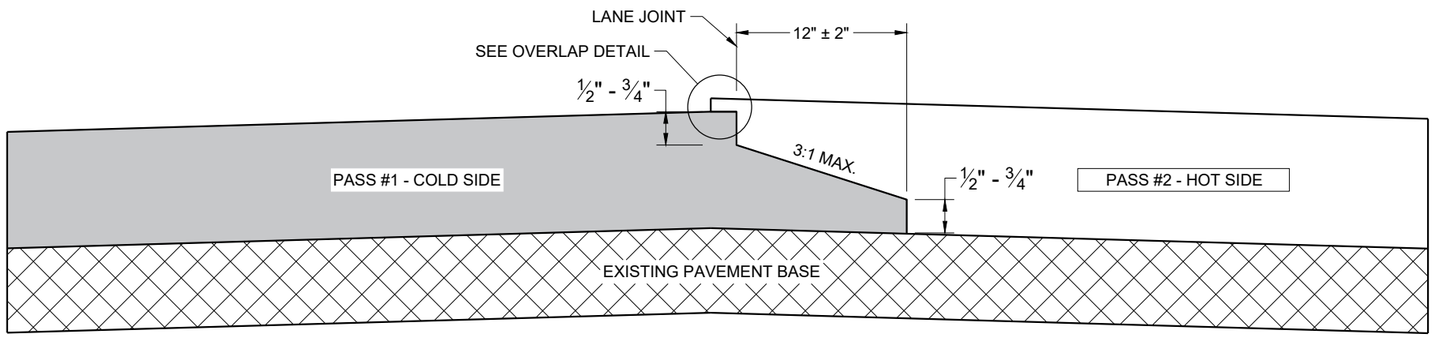
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November 2018 — DATE
/S/ Peter Kemp P.E. — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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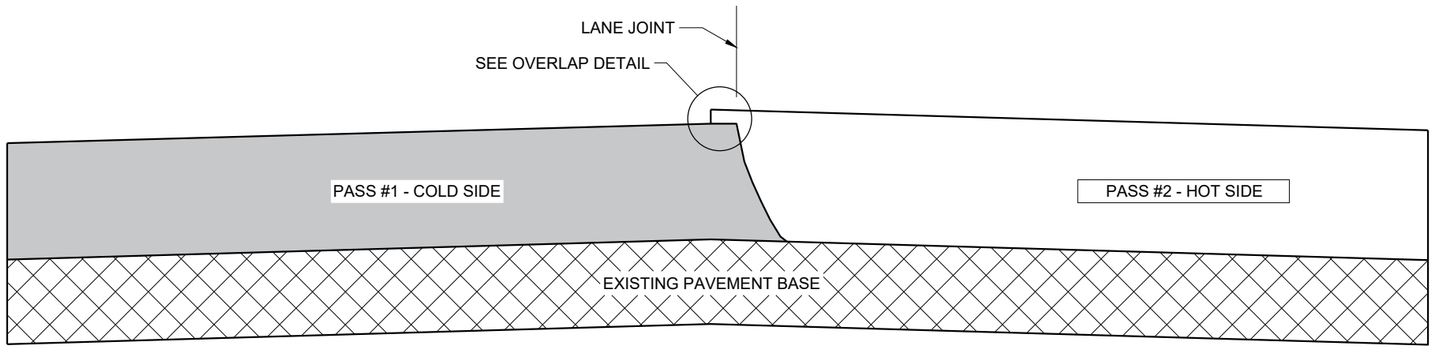
SDD 13C18 - 07g

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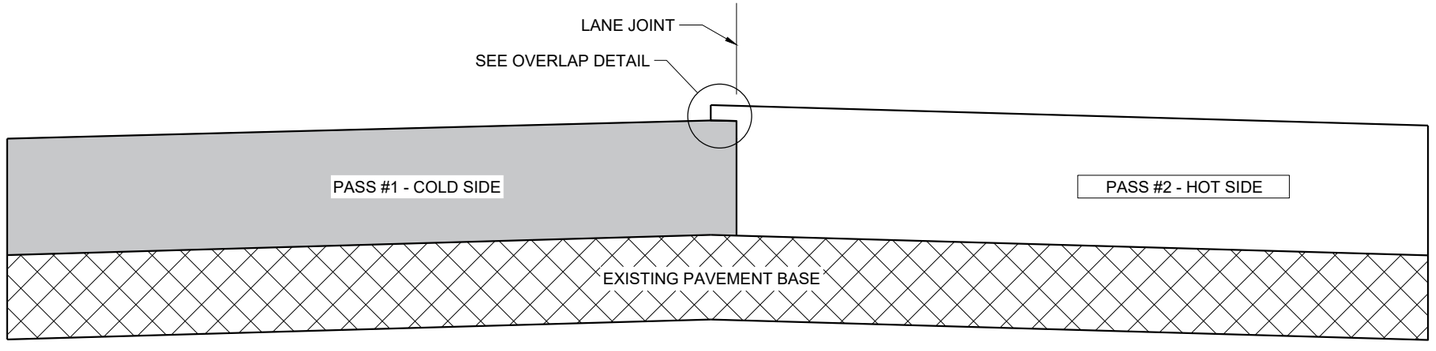
SDD 13C18 - 07g



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

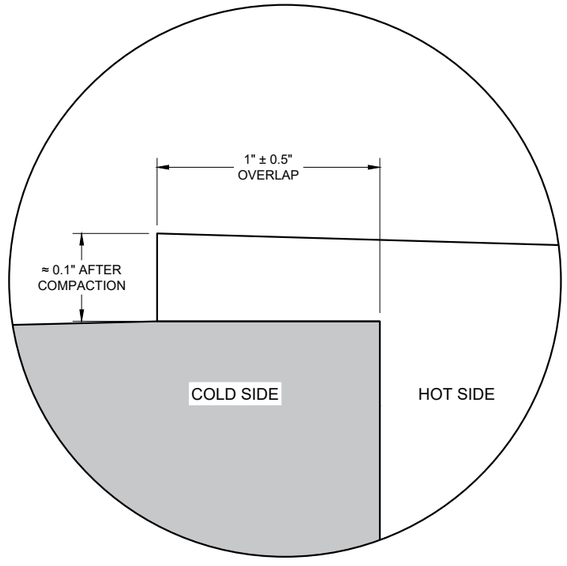
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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SDD 13C19 - 03

SDD 13C19 - 03

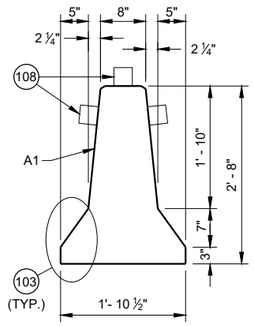
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
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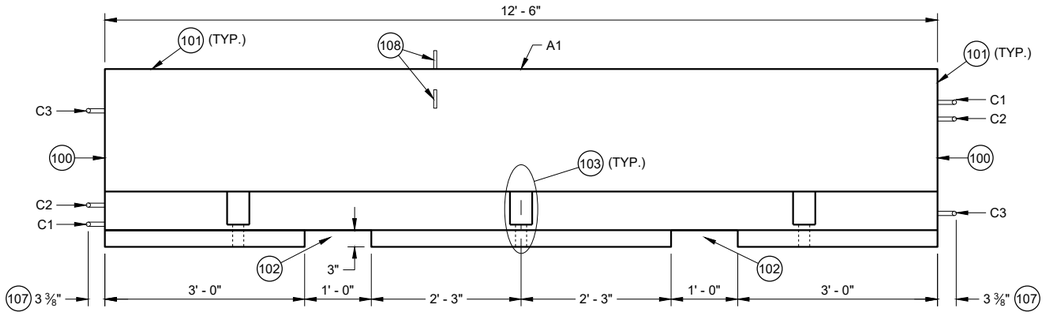
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

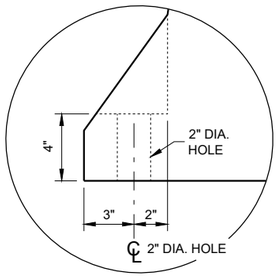
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

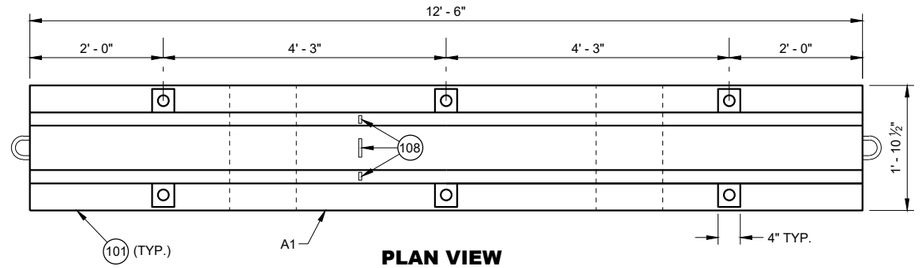
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

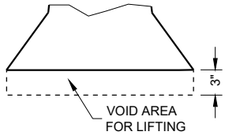


ANCHOR BLOCK DETAIL

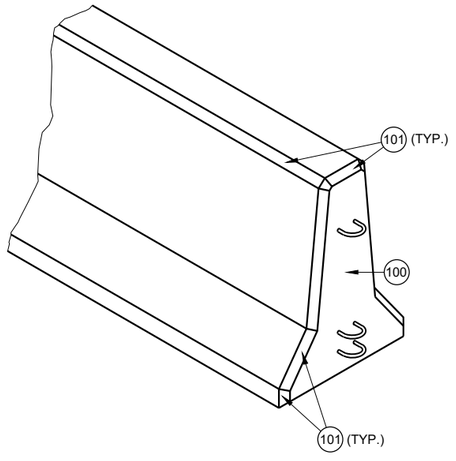


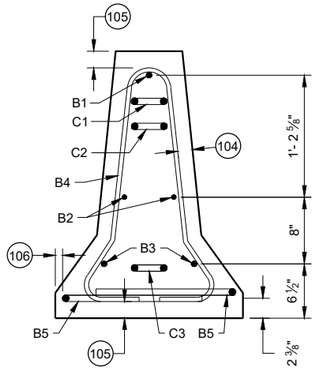
PLAN VIEW

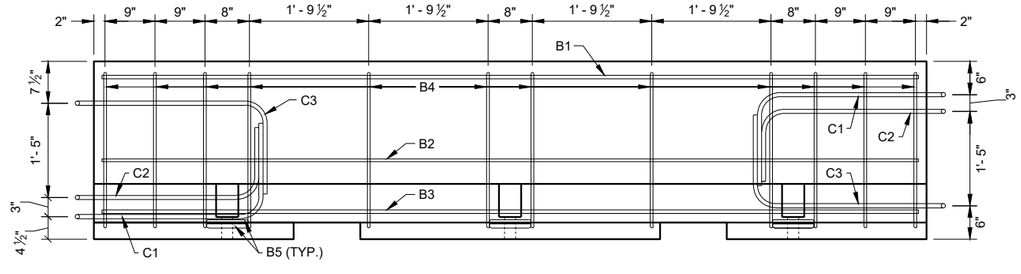
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







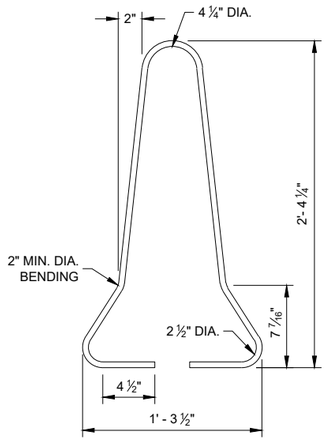
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

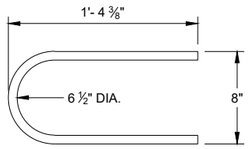
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTA	222

SDD14B07 - 16a

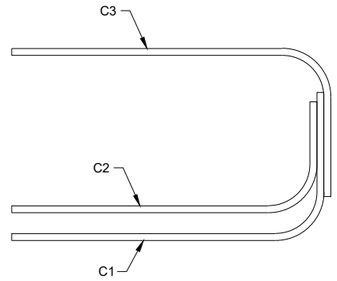
SDD14B07 - 16a



B4 BAR DETAIL

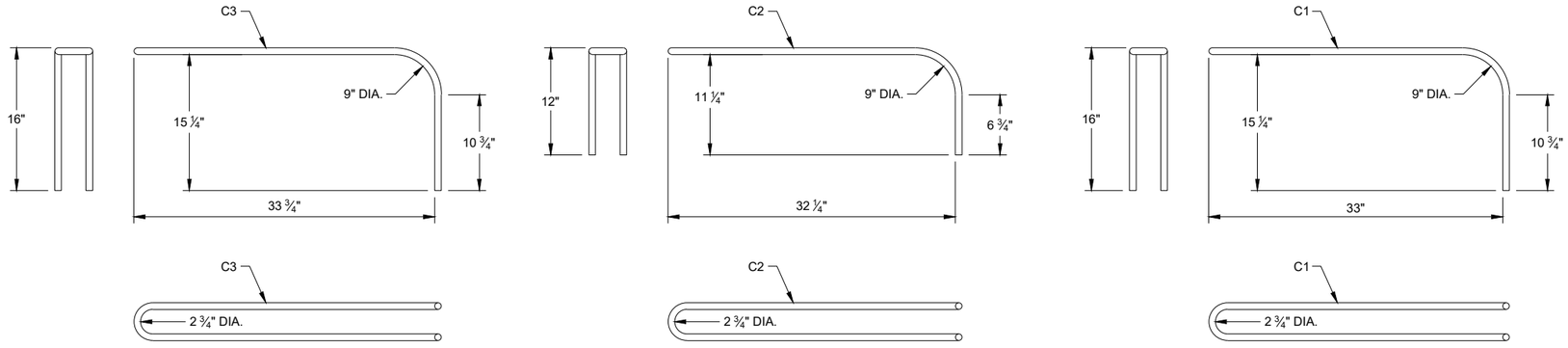


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



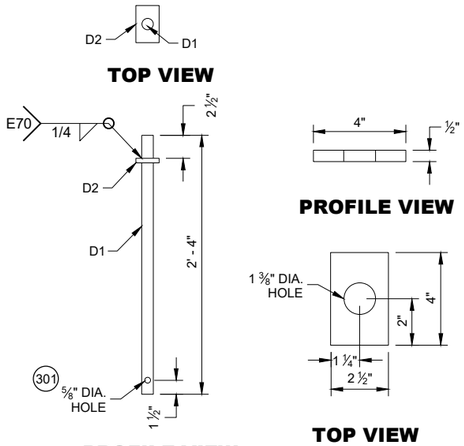
C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

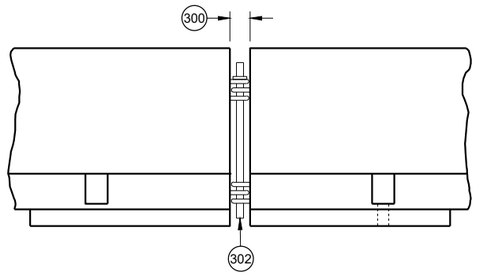
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07 - 16b



CONNECTOR PIN ASSEMBLY



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

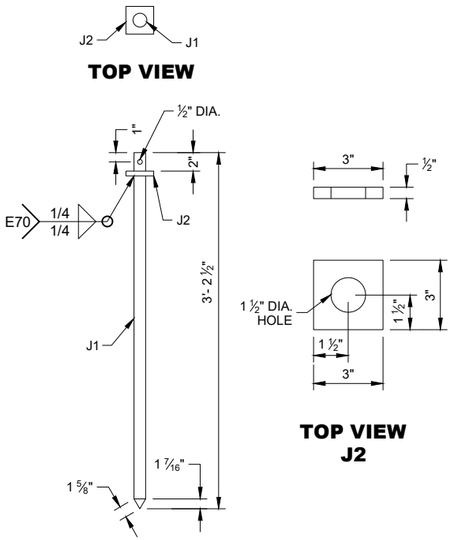
303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

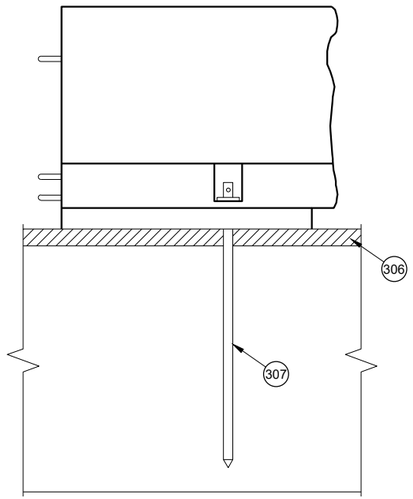
306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY



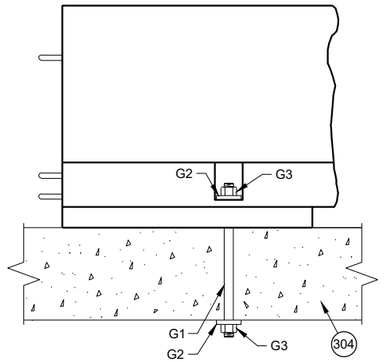
PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY



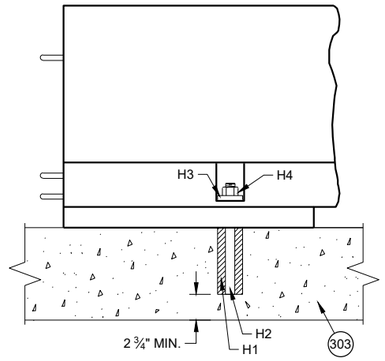
SIDE VIEW

ASPHALT ANCHOR INSTALLATION



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION 305



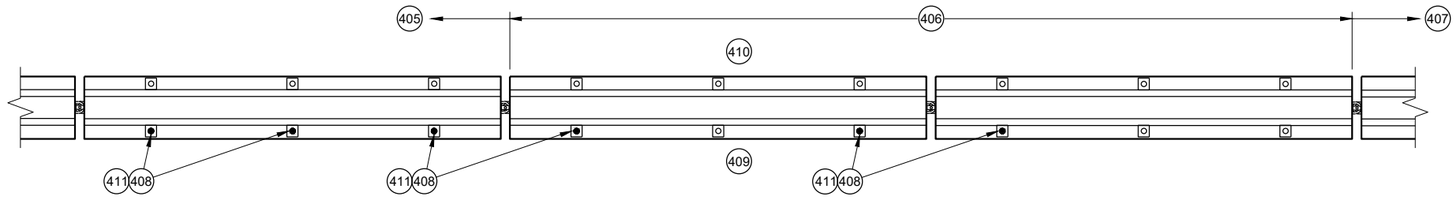
SIDE VIEW

ADHESIVE ANCHOR INSTALLATION 305

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

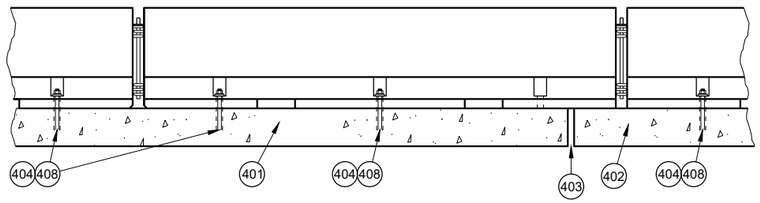
6

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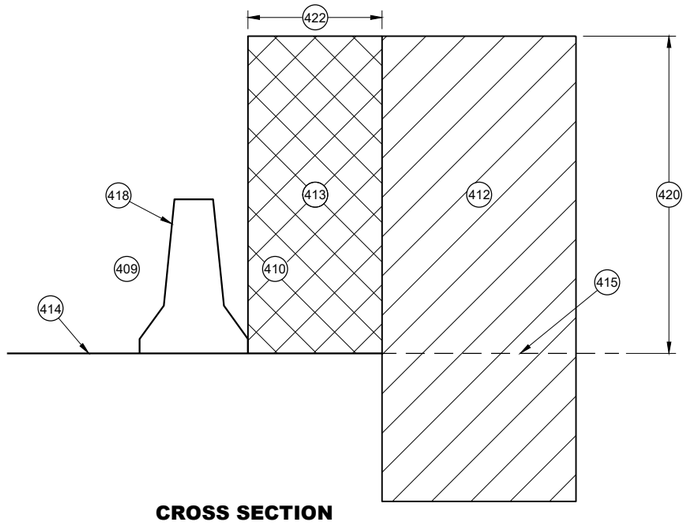
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



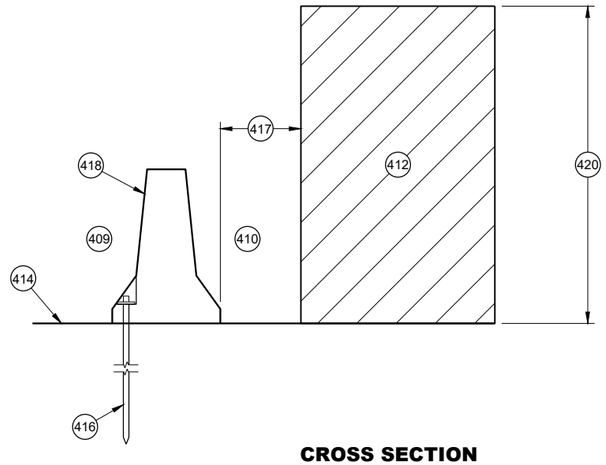
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



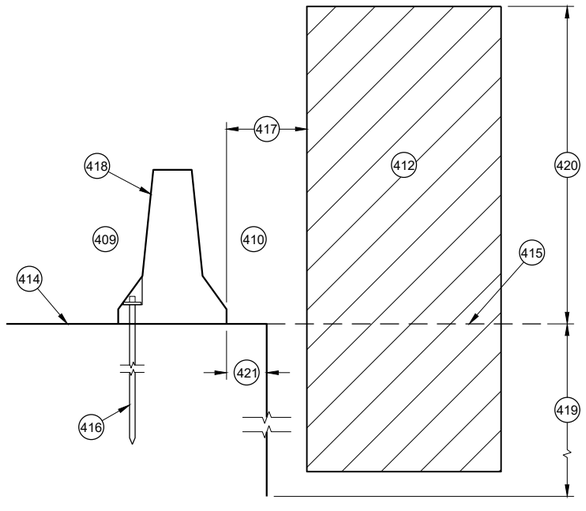
CROSS SECTION

FREE STANDING BARRIER



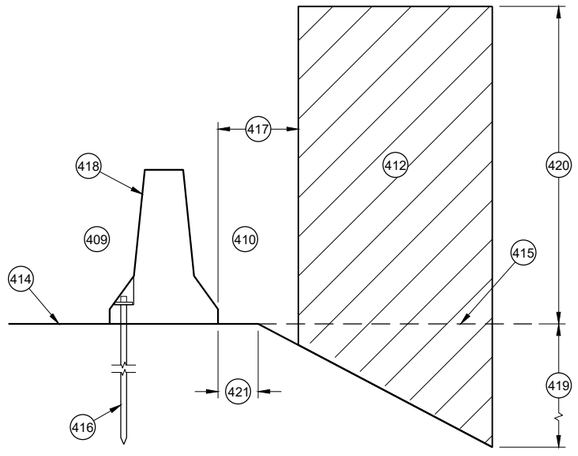
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
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GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

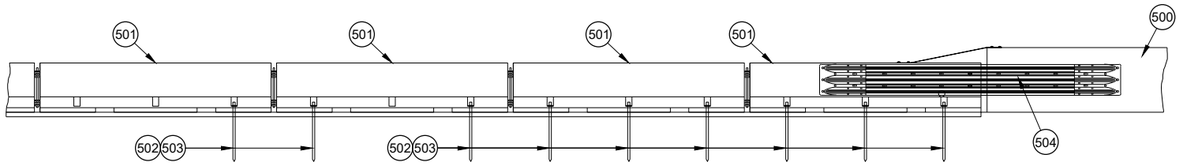
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

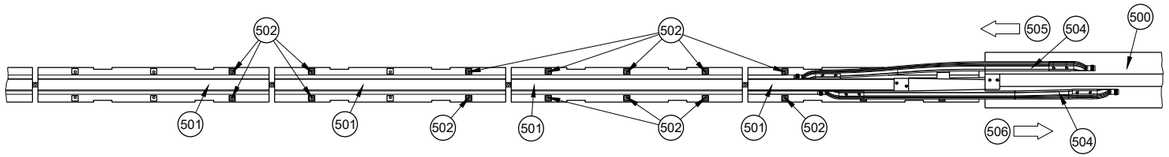
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

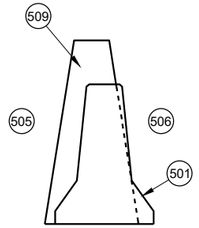
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



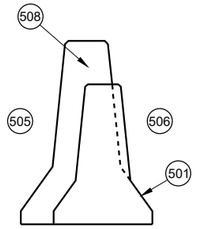
PROFILE VIEW



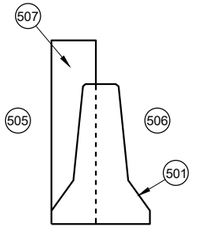
PLAN VIEW
TRANSITION TO RIGID BARRIER



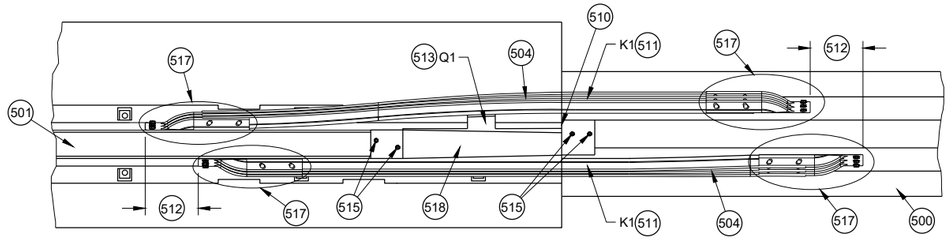
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



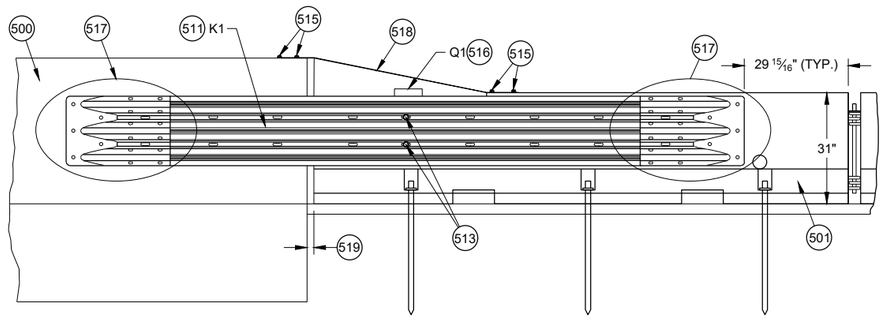
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



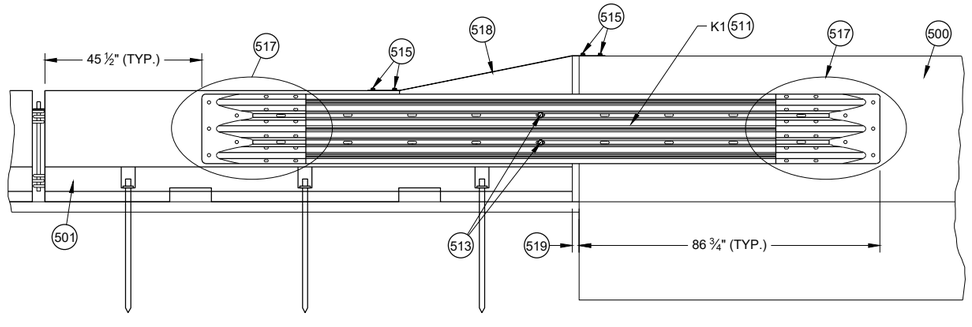
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



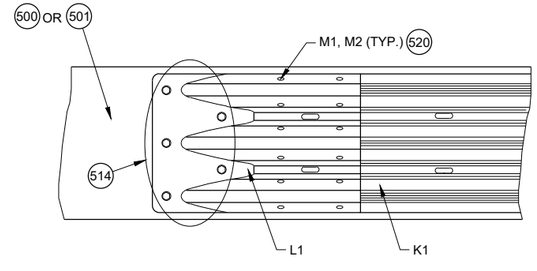
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER

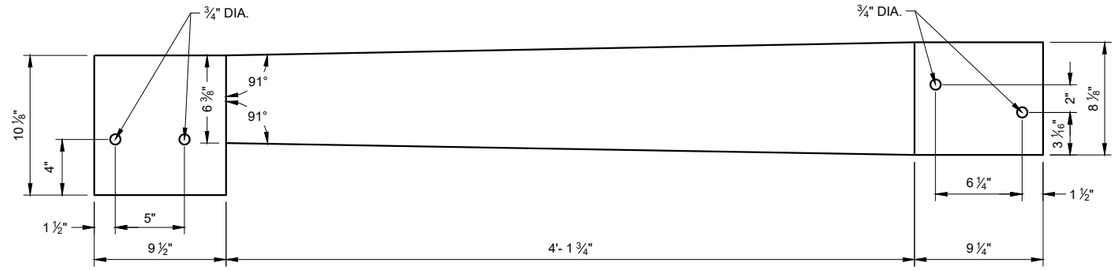


(517) **DETAIL PLAN VIEW**
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

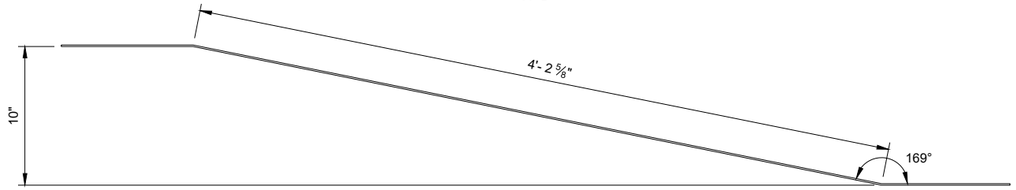
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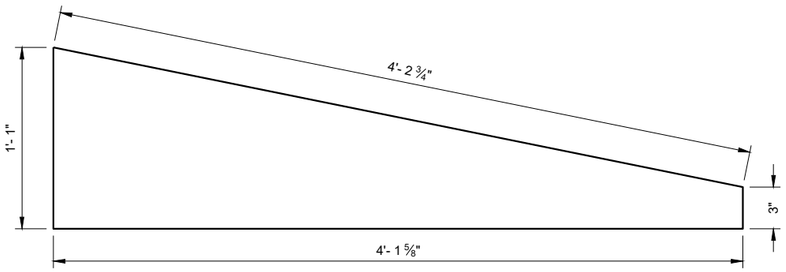
TOP VIEW

S1



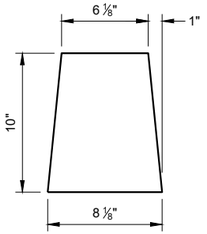
ELEVATION VIEW

S1

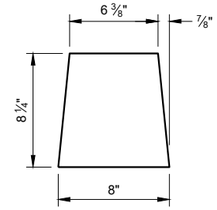


SIDE VIEW

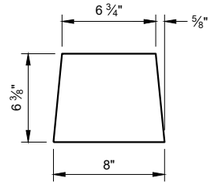
S3



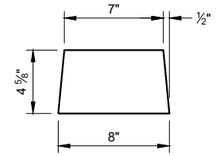
S2



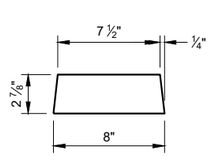
S4



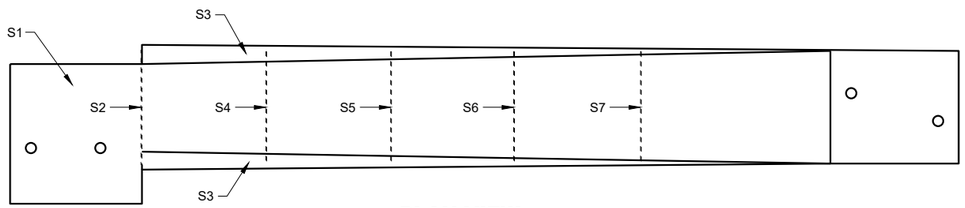
S5



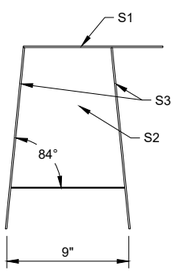
S6



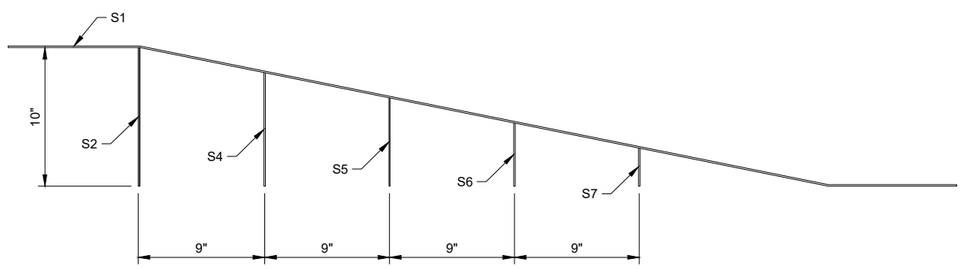
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

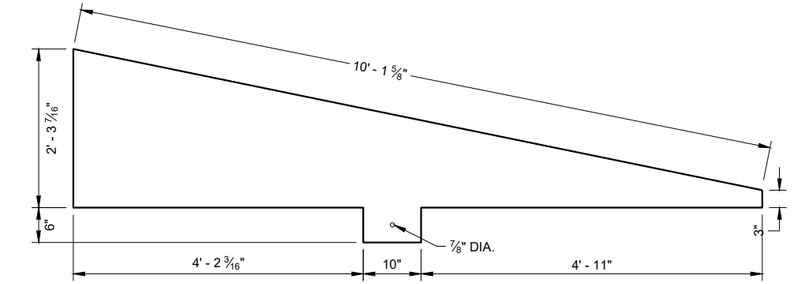
(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

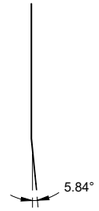
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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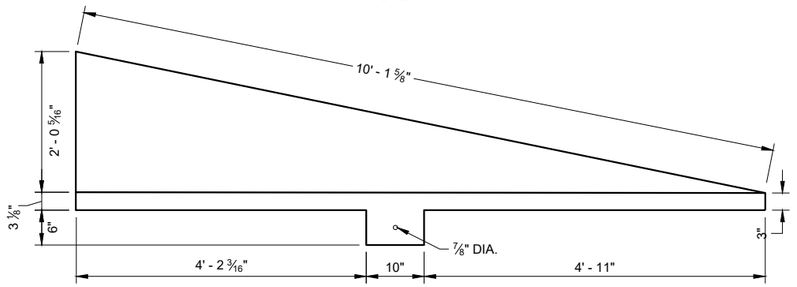
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SIDE VIEW
T4



END VIEW



SIDE VIEW
T3

END VIEW

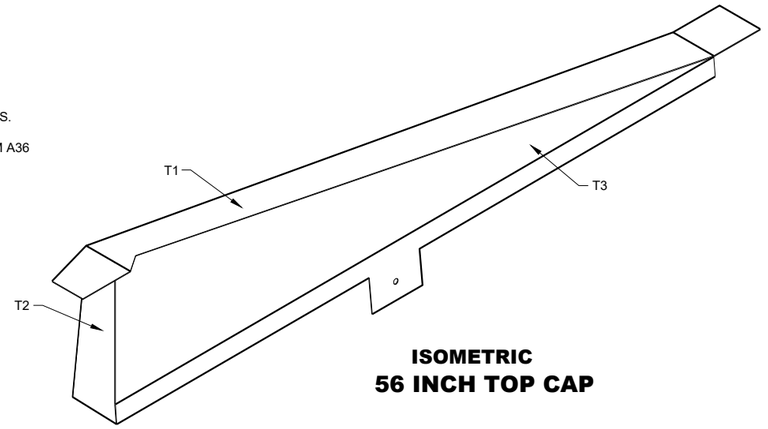
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

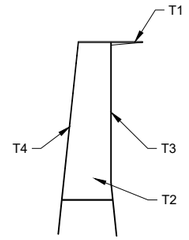
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

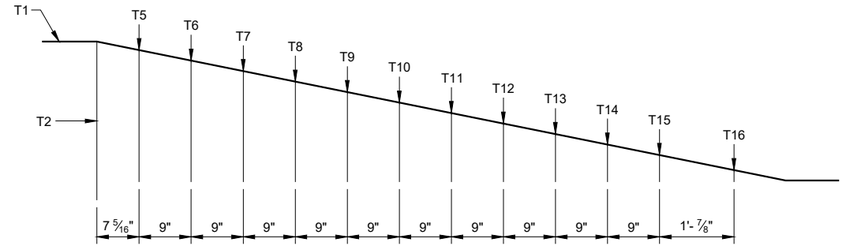
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



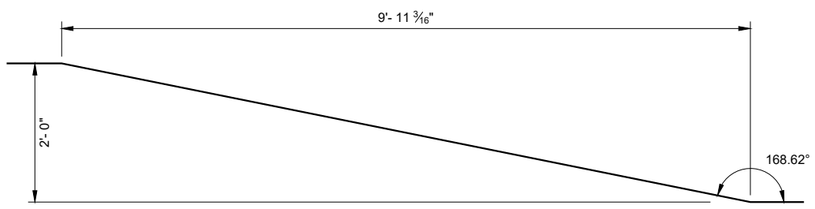
ISOMETRIC
56 INCH TOP CAP



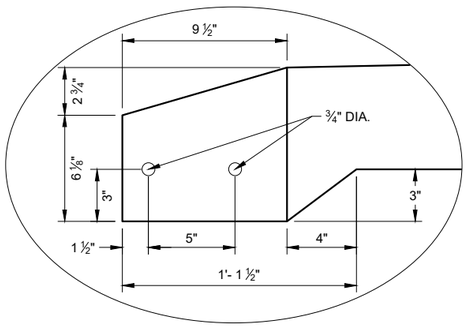
END VIEW
56 INCH TOP CAP



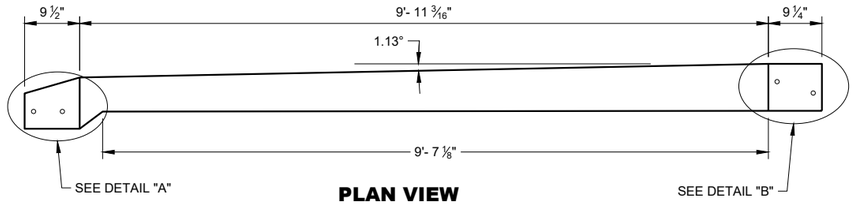
SIDE VIEW (700)
56 INCH TOP CAP



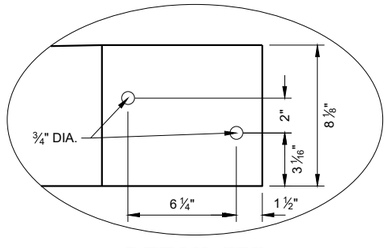
SIDE VIEW
TOP PLATE T1



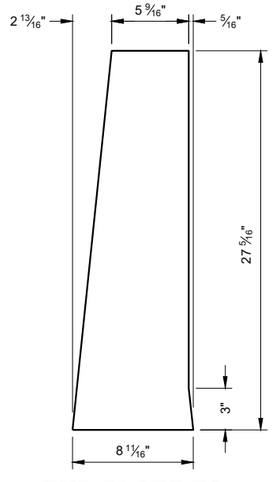
DETAIL "A"



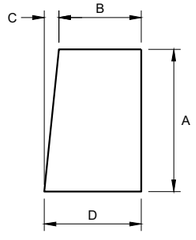
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

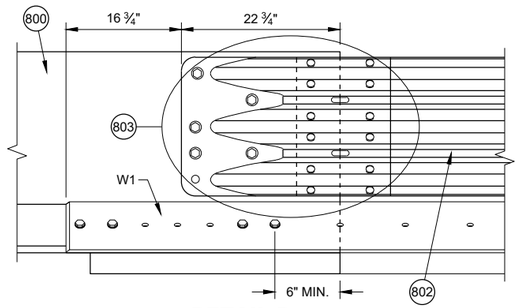
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

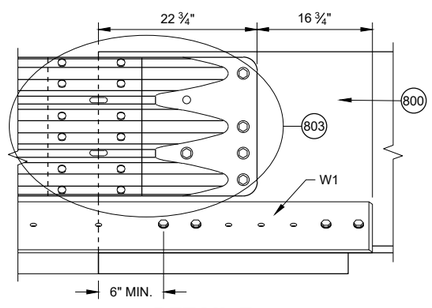
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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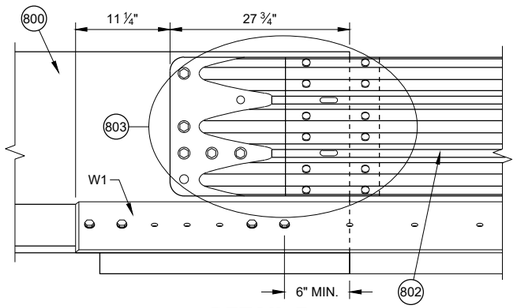
SDD 14B07 - 16g



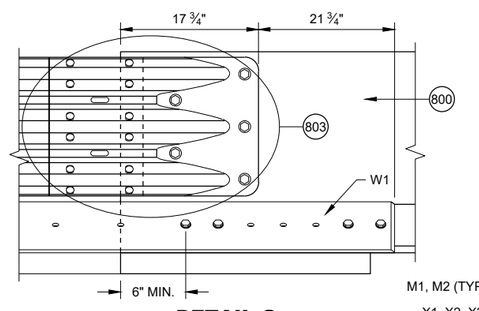
DETAIL D



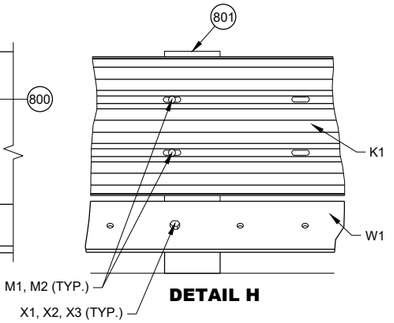
DETAIL E



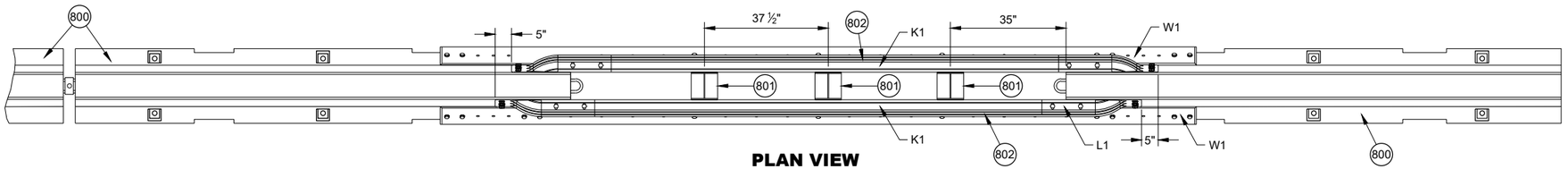
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

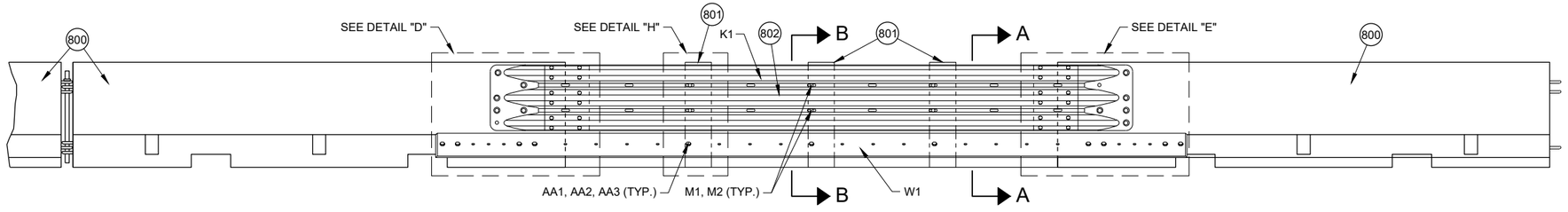
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

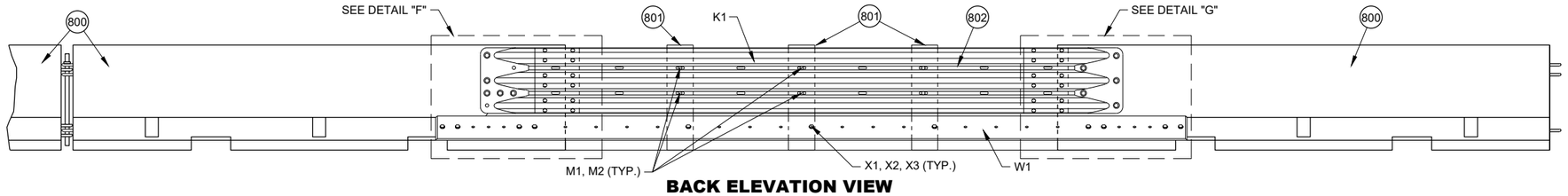
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



BACK ELEVATION VIEW

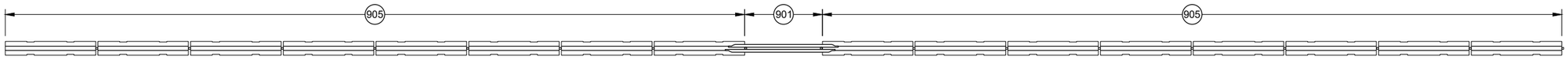
PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

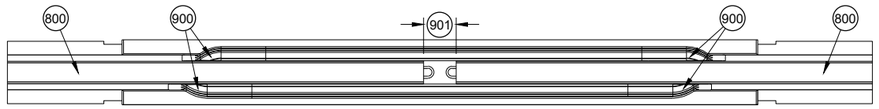
STATE OF WISCONSIN
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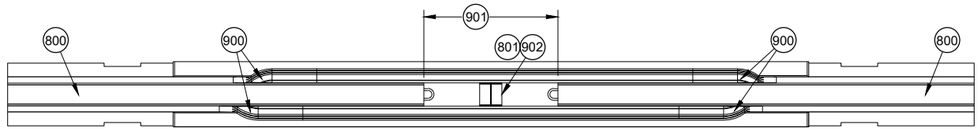
PLAN VIEW
GAP WITHIN SPACING



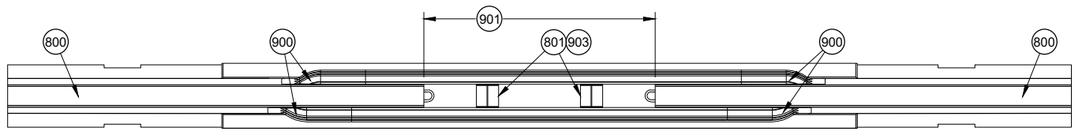
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

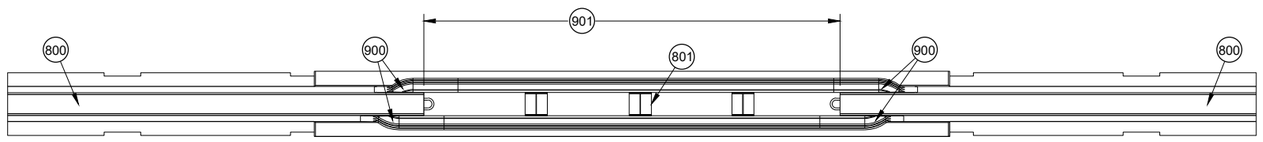
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)



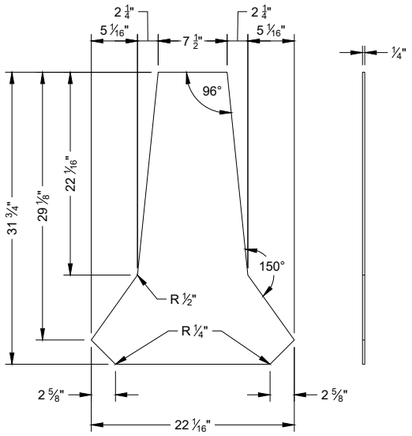
PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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DEPARTMENT OF TRANSPORTATION

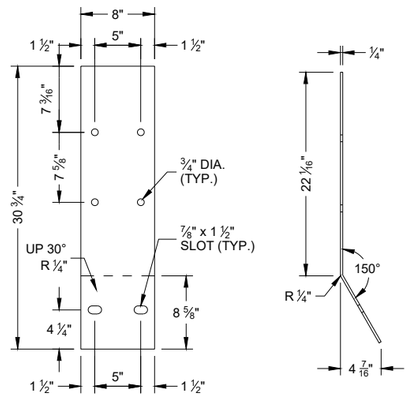
6

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PROFILE VIEW **SIDE VIEW**

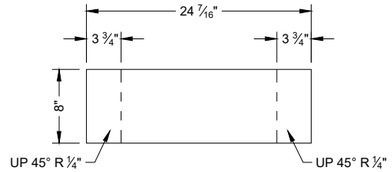
STIFFENER ASSEMBLY CENTER PANEL U1



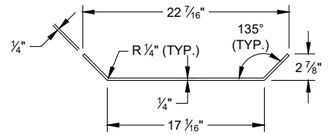
FLAT PATTERN

SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

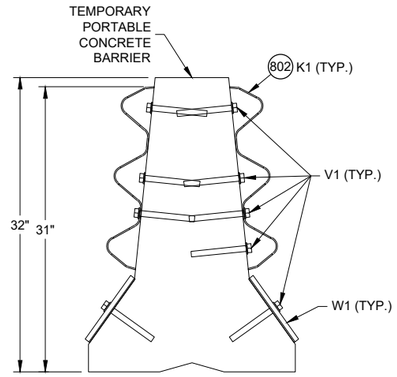


FLAT PATTERN

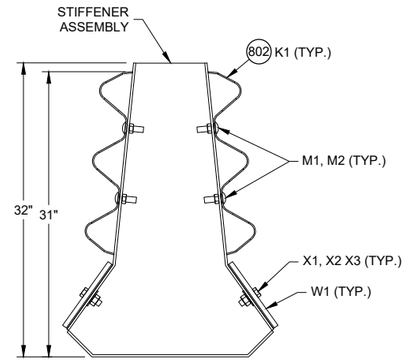


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3



SECTION A - A



SECTION B - B

PLAN VIEW

PROFILE VIEW

SIDE VIEW

ISOMETRIC

GAP STIFFENER ASSEMBLY

PLAN VIEW

SIDE VIEW

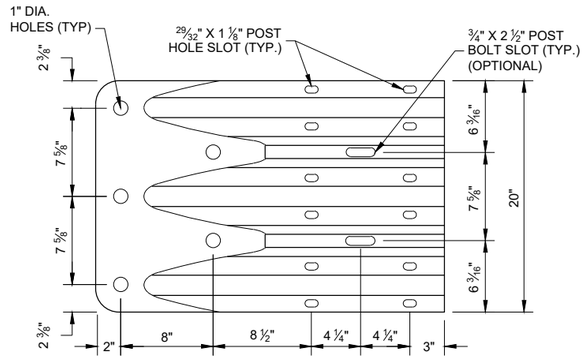
ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

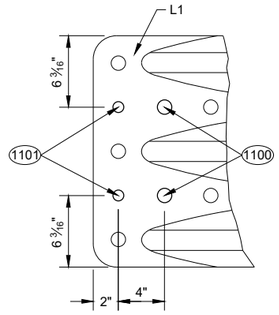
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6



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

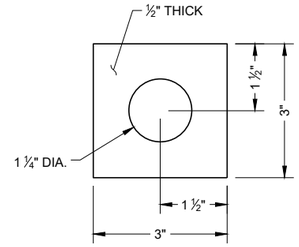


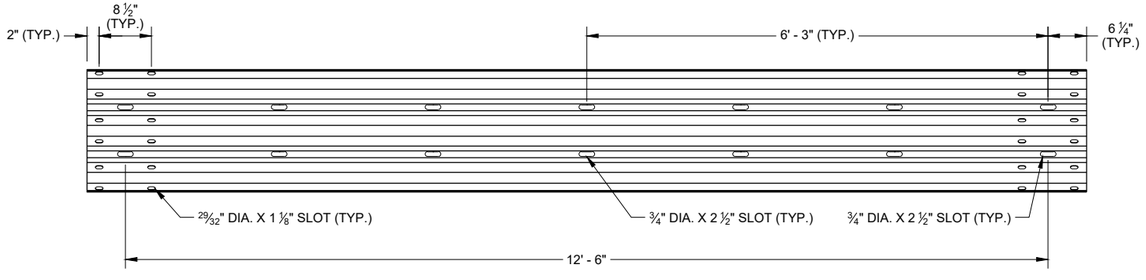
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

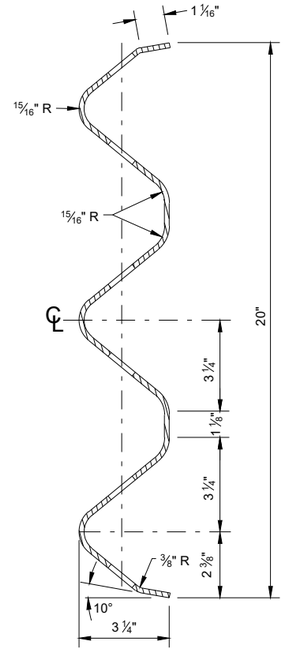
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



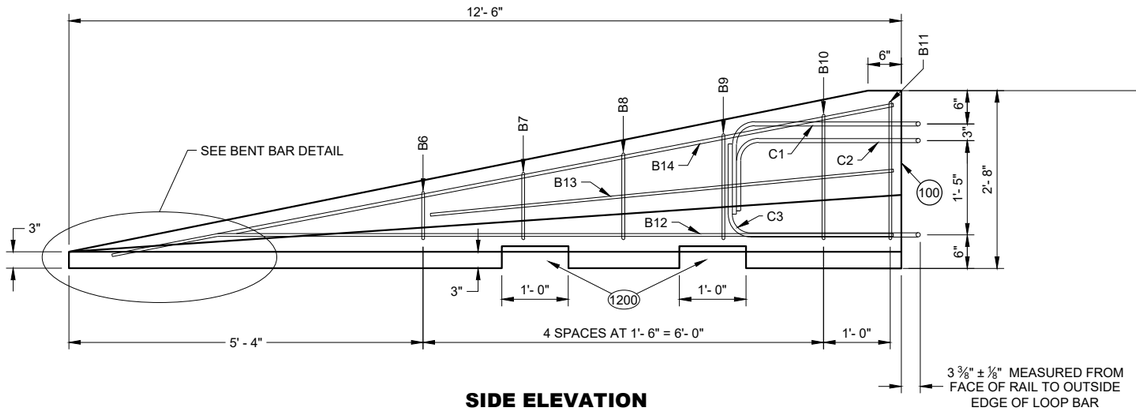
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

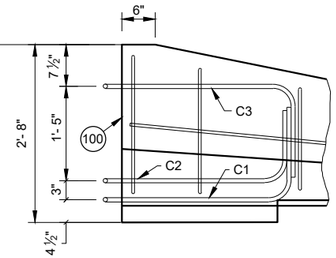
STATE OF WISCONSIN
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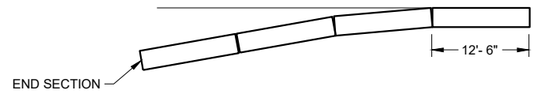
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

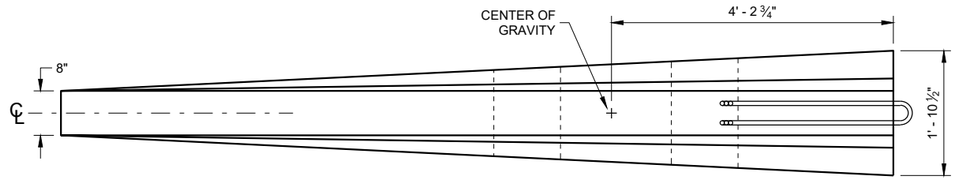
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

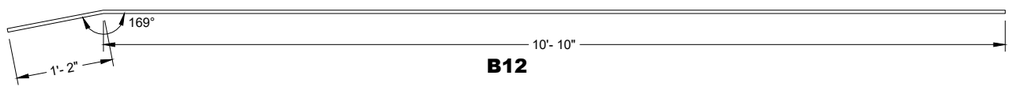


FLARE AT BARRIER END

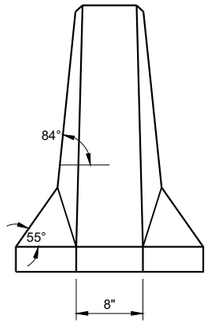
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



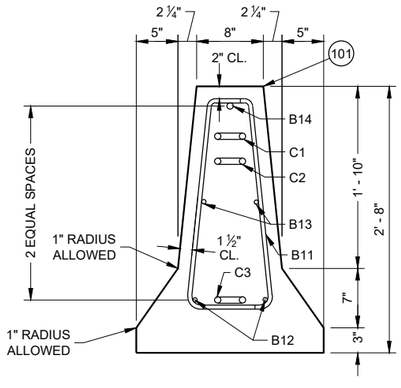
PLAN VIEW



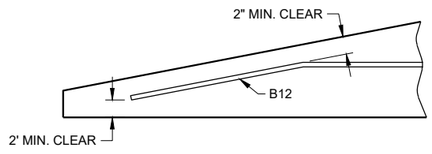
B12



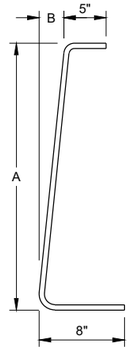
FRONT ELEVATION



END SECTION



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. STRENGTH OF 1,800 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

6

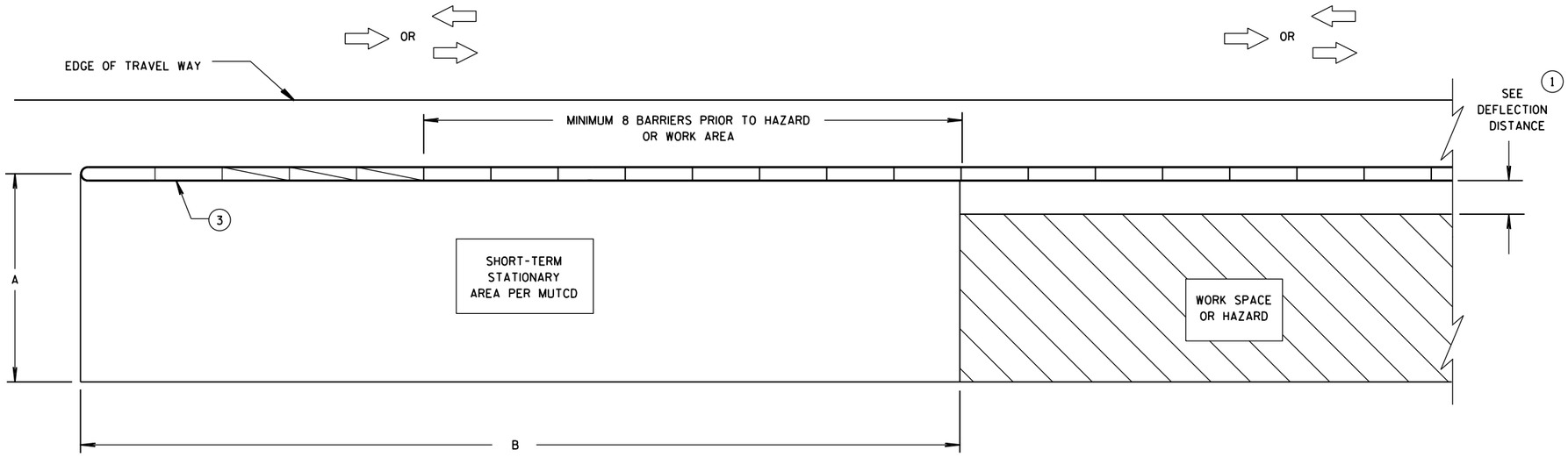
SDD14B07 - 16m

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

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DEPARTMENT OF TRANSPORTATION

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SDD14B07 - 16m



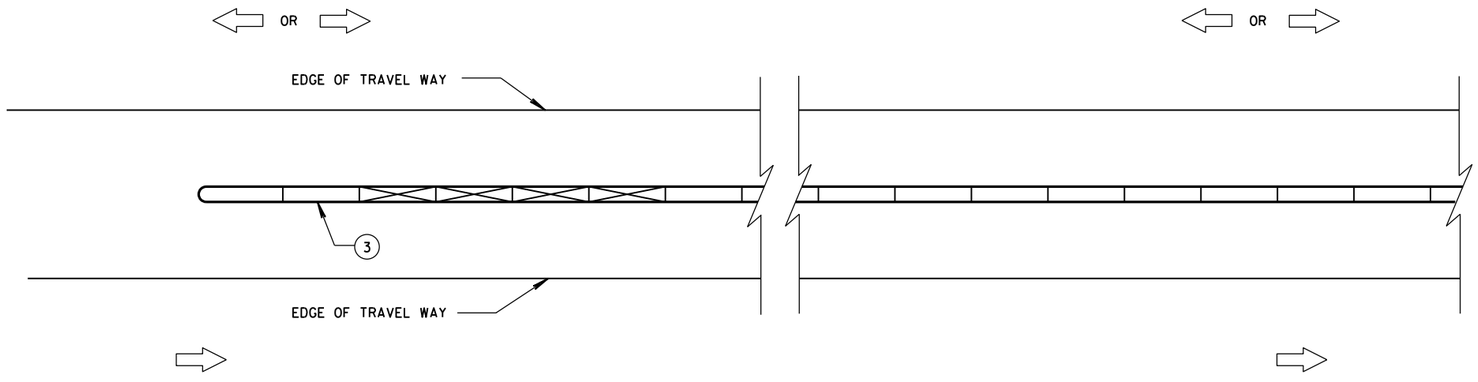
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

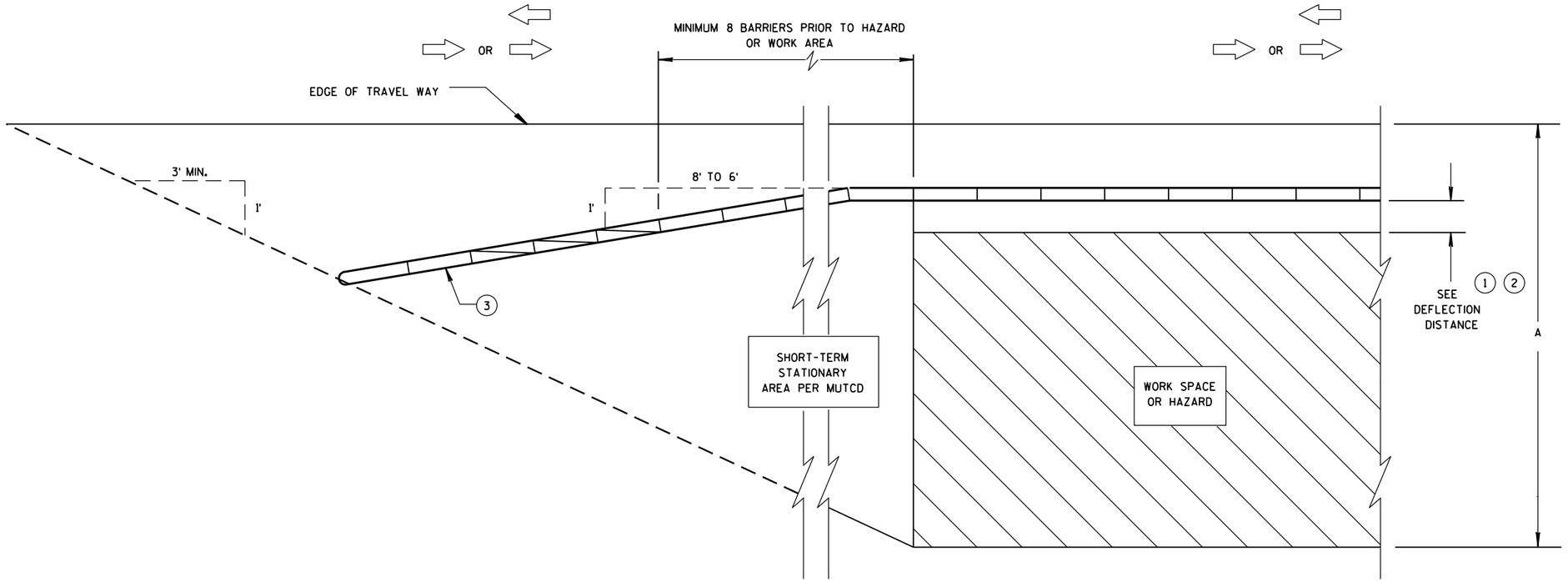
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

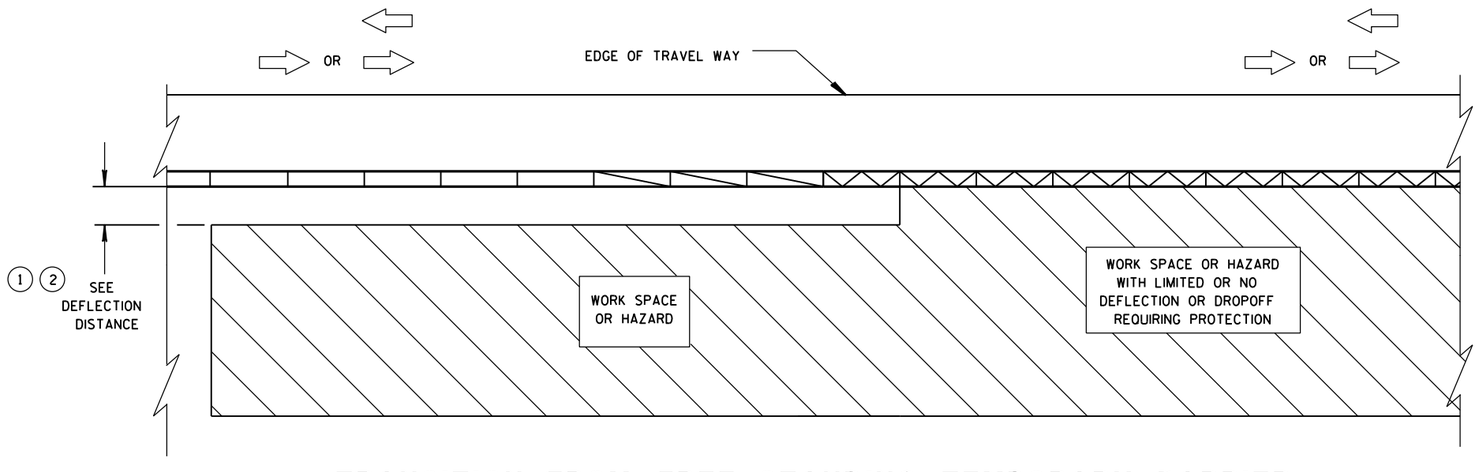
STATE OF WISCONSIN
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S.D.D. 14 B 8-2a
S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

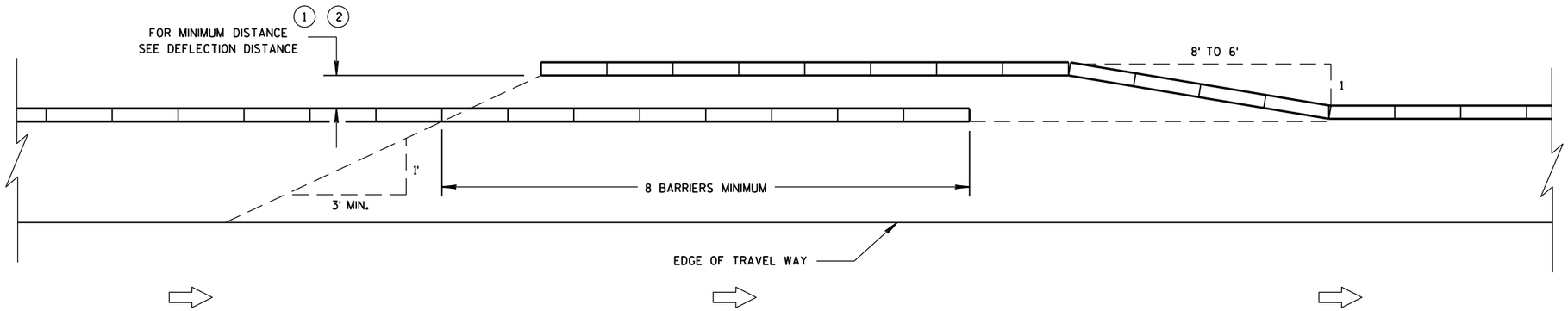
STATE OF WISCONSIN
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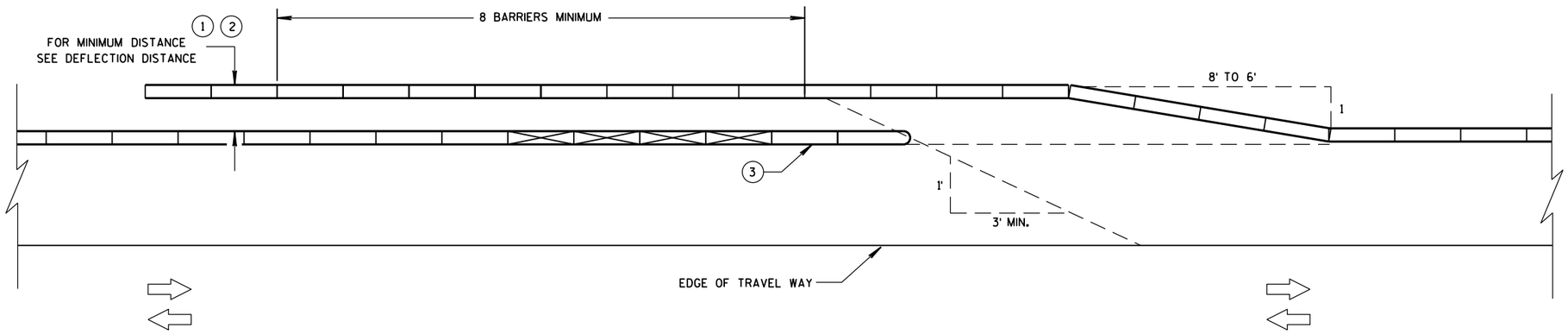
S.D.D. 14 B 8-2b

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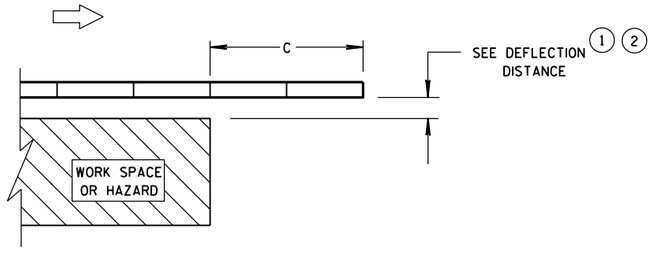
S.D.D. 14 B 8-2b



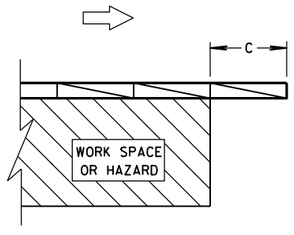
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

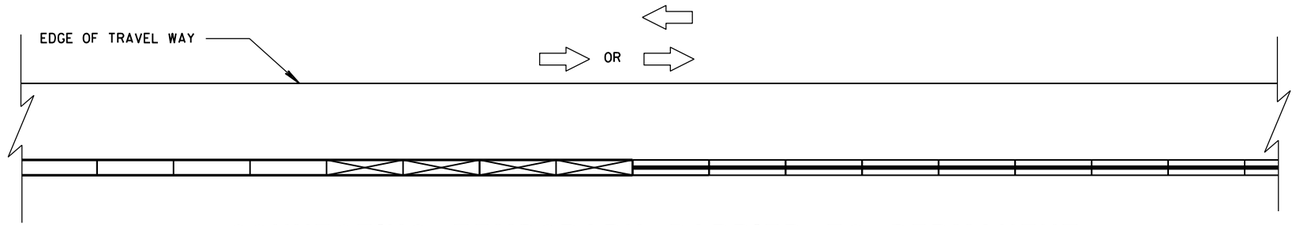
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

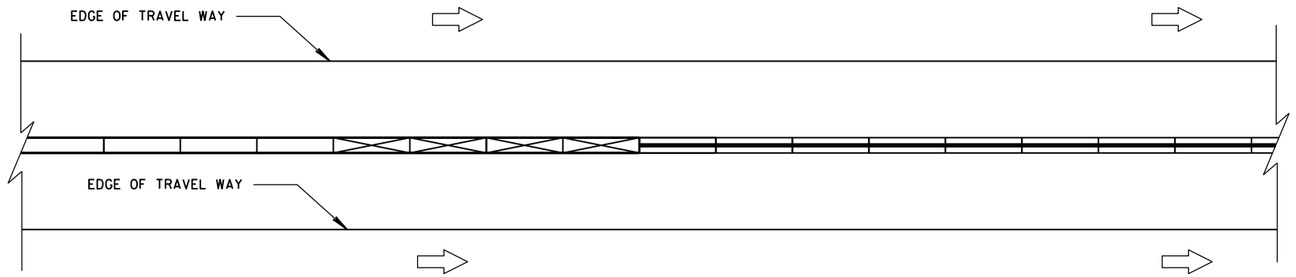
STATE OF WISCONSIN
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S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

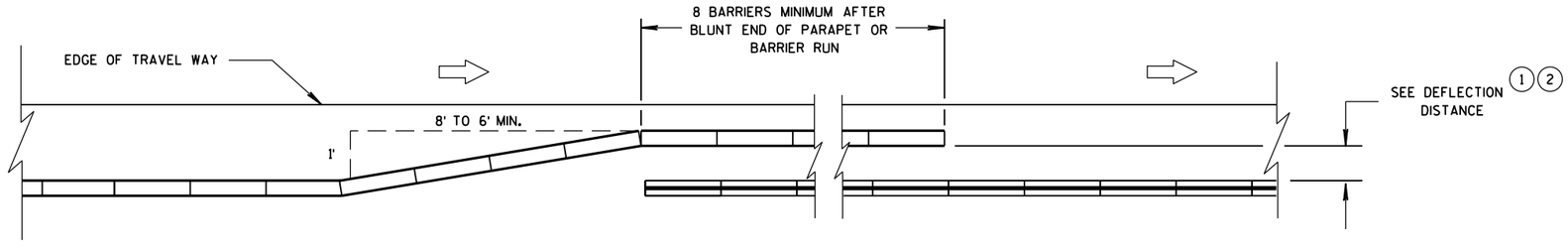
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

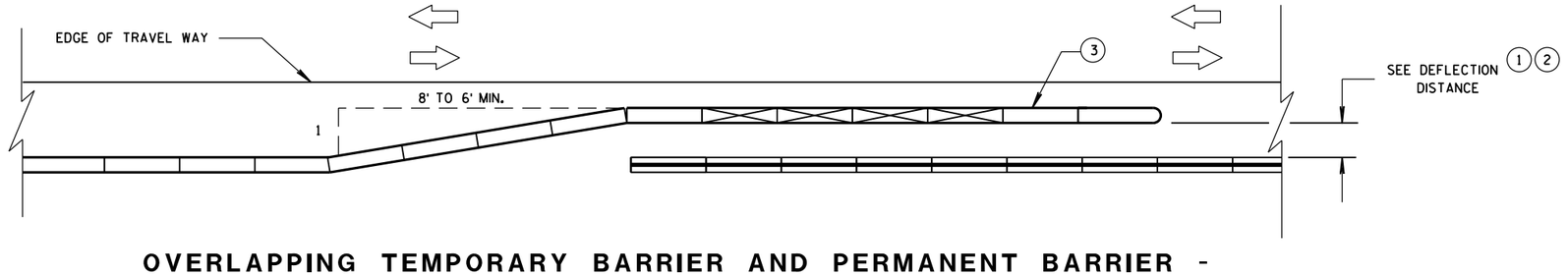
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
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S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

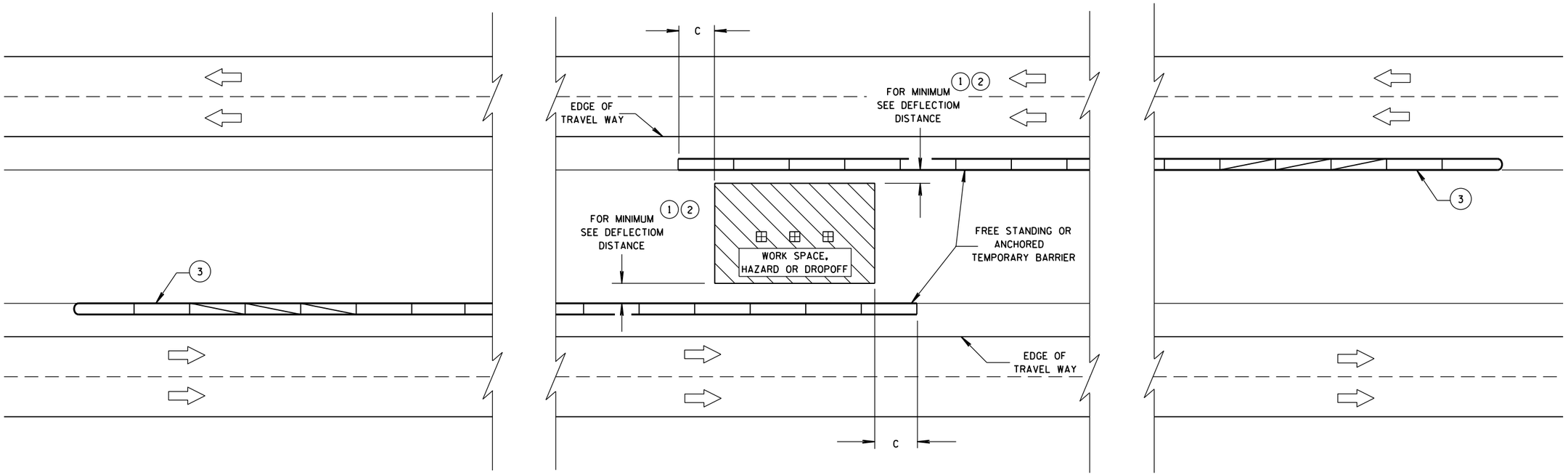
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
239
FHWA

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S.D.D. 14 B 8-2e

6

S.D.D. 14 B 8-2e

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

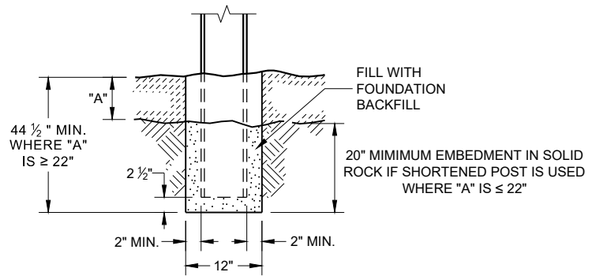
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

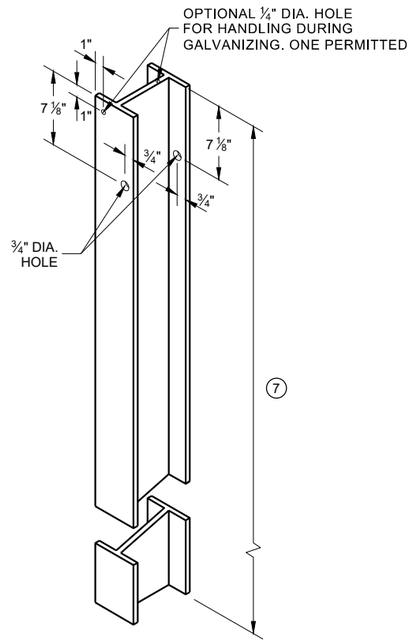
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

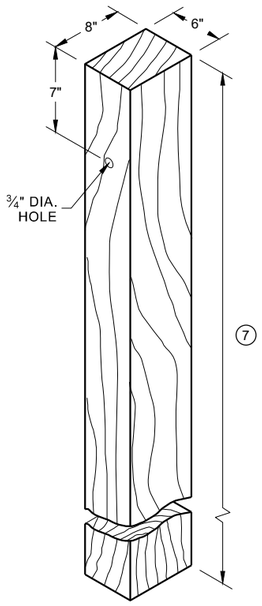
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



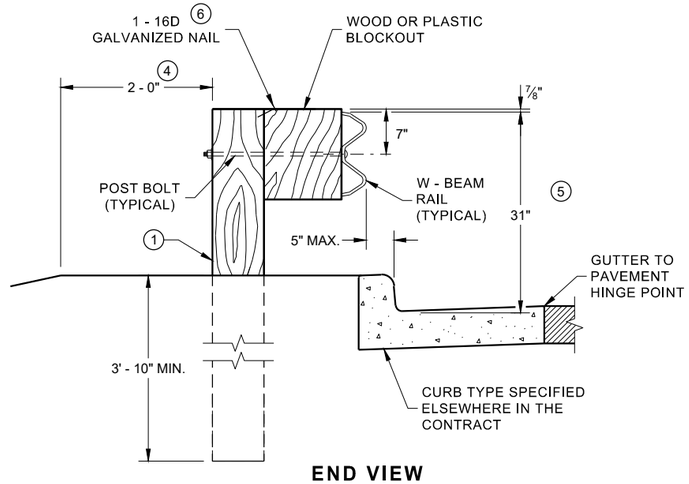
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



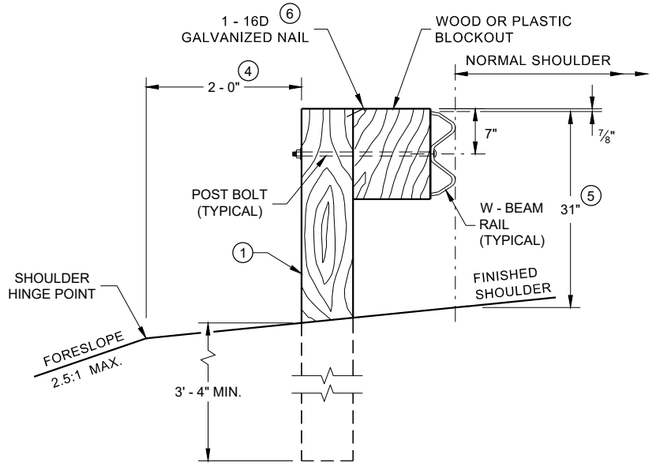
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



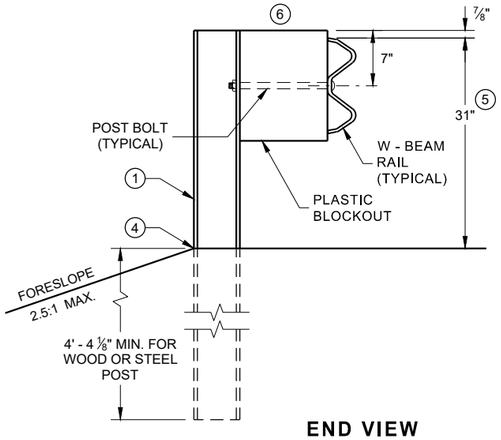
WOOD POST (6" X 8") NOMINAL (1)



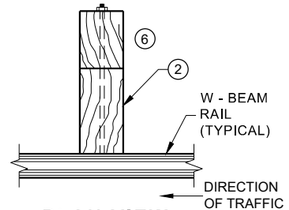
END VIEW
LOCATED ALONG A CURBED ROADWAY



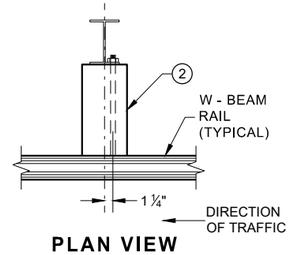
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



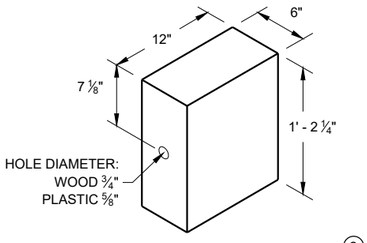
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

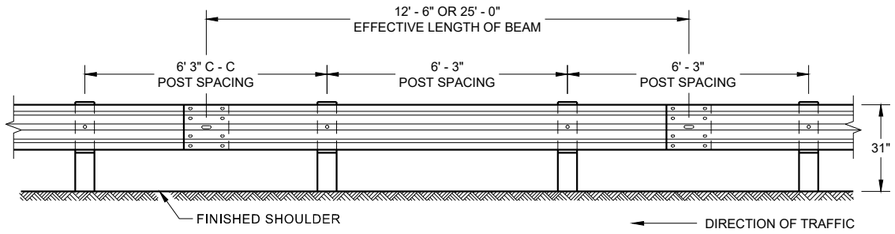
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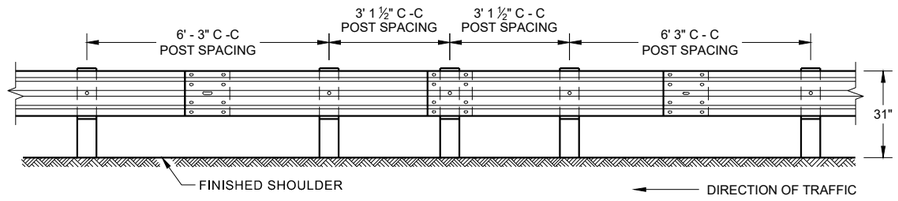
SDD 14B42 - 07a

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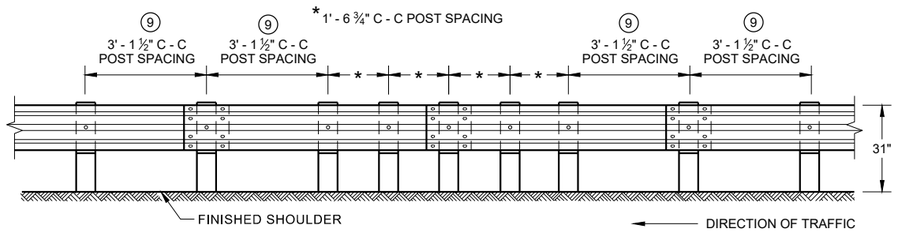
SDD 14B42 - 07a



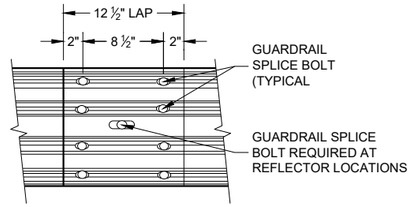
FRONT VIEW
POST SPACING STANDARD INSTALLATION



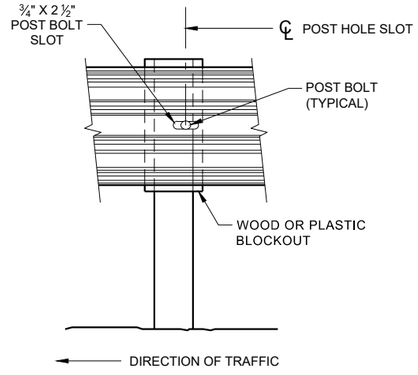
FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)



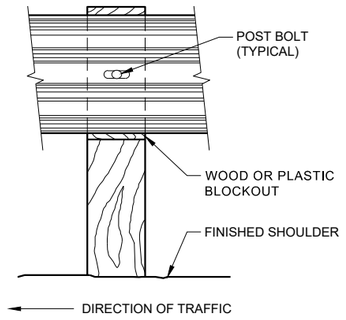
FRONT VIEW
QUARTER POST SPACING (QS)



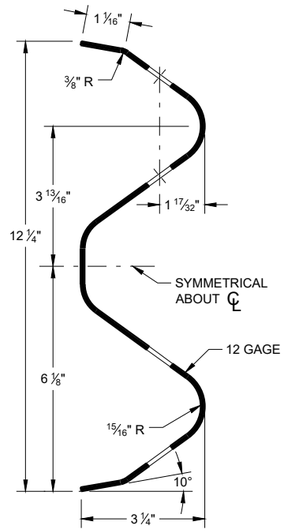
FRONT VIEW
MID-SPAN BEAM SPLICE



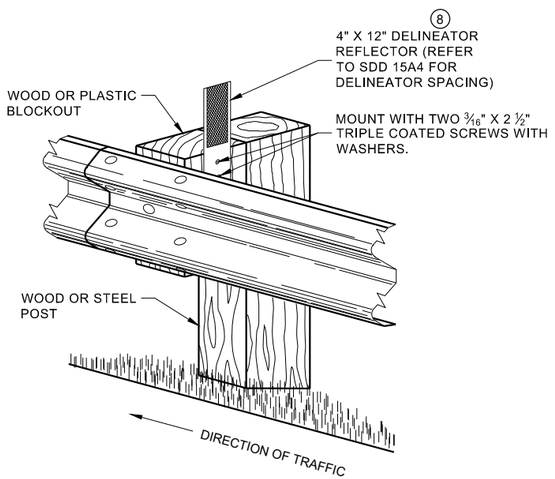
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

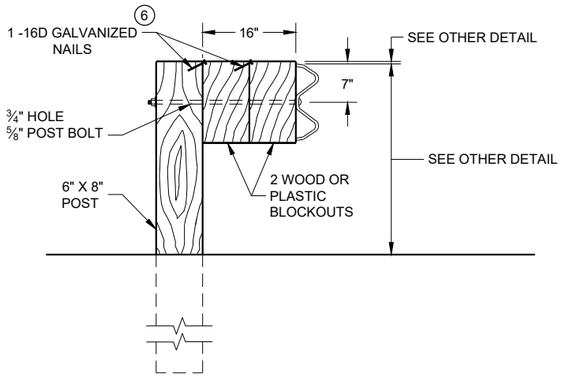
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

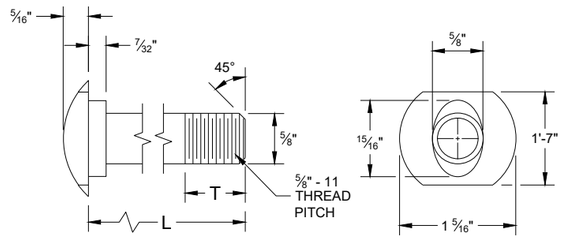


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

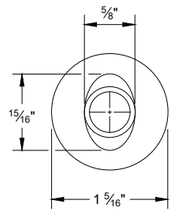
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

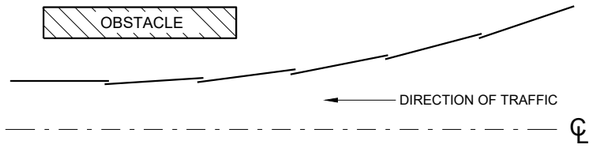


POST BOLT TABLE

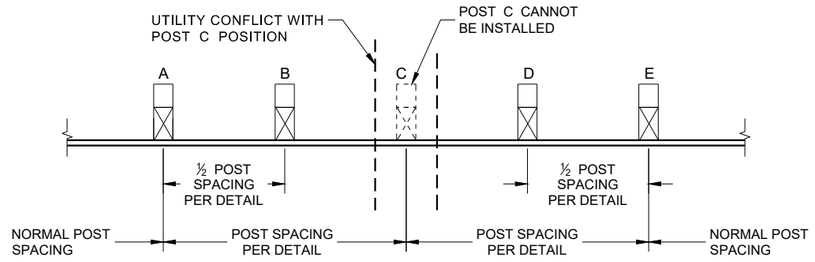
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



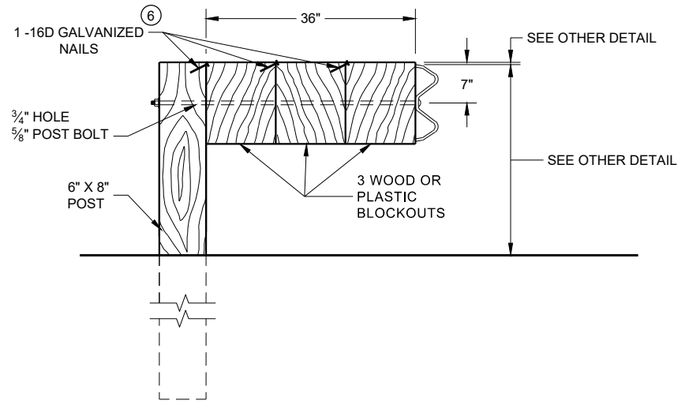
ALTERNATE BOLT HEAD



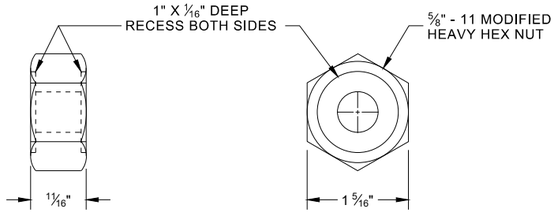
PLAN VIEW
BEAM LAPPING DETAIL



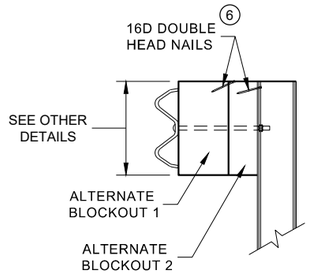
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



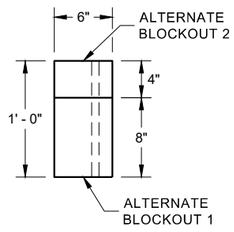
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

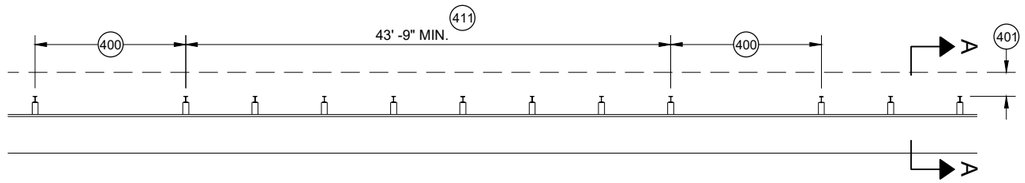
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

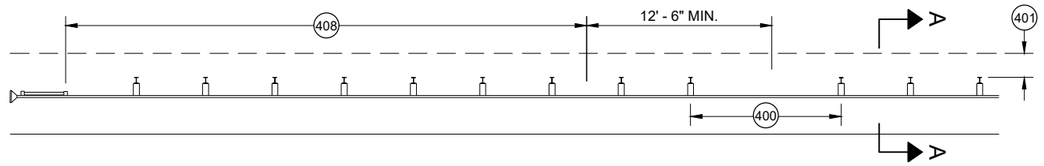
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

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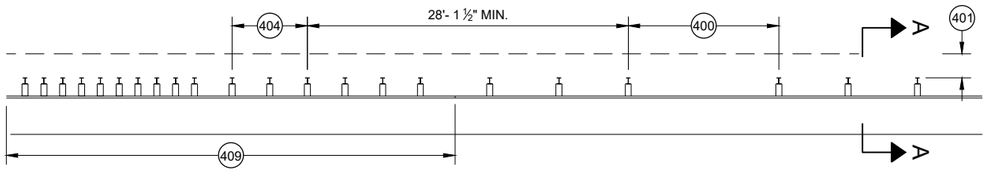
SDD 14B42 - 07c



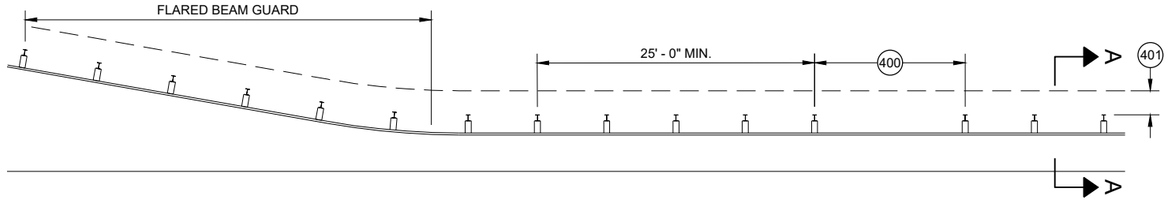
MISSING POST IN MGS GUARDRAIL



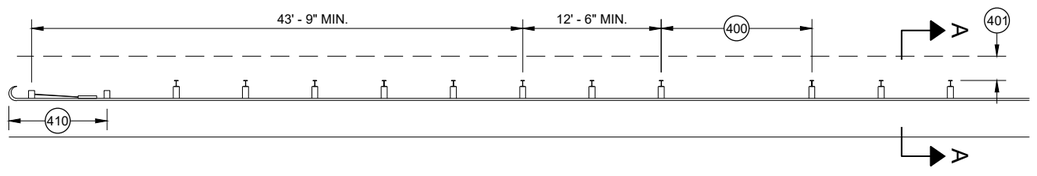
MISSING POST IN MGS GUARDRAIL NEAR EAT



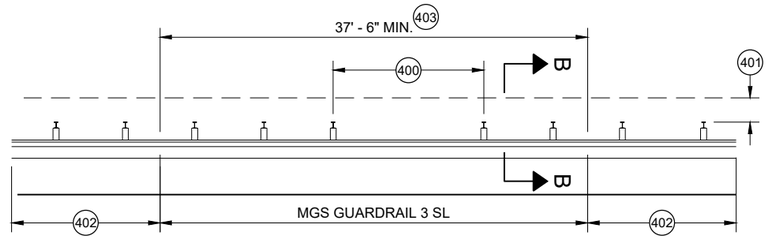
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

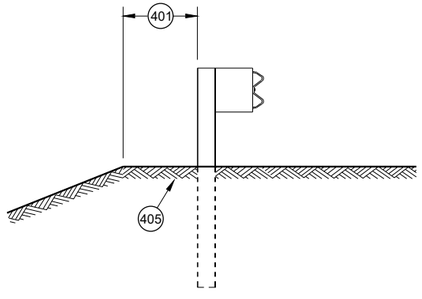


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

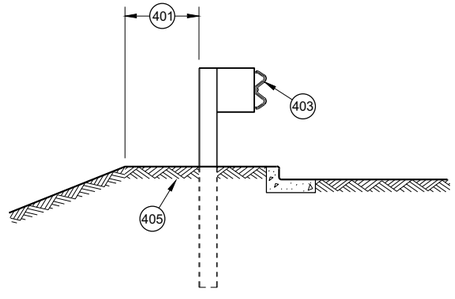


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

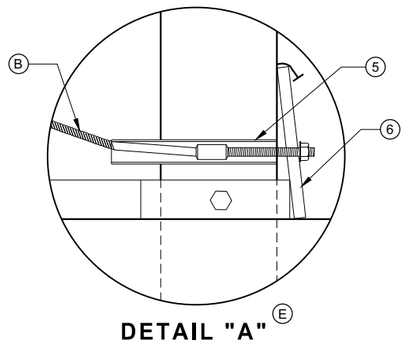
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

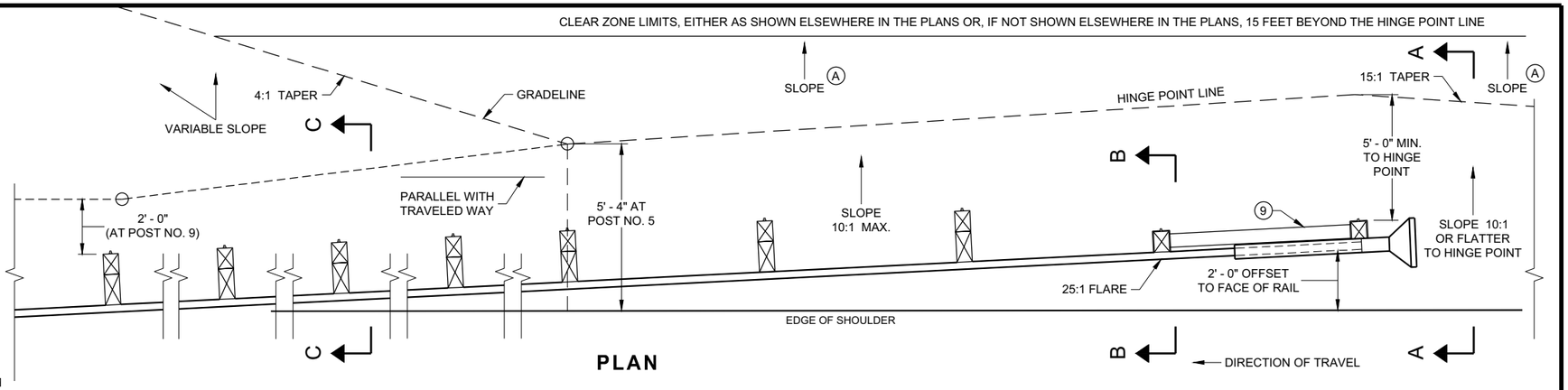
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

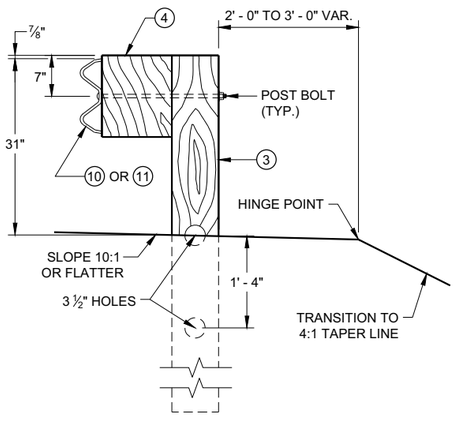
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

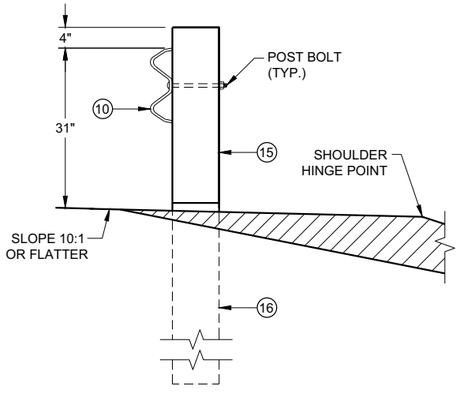


DETAIL "A" (E)

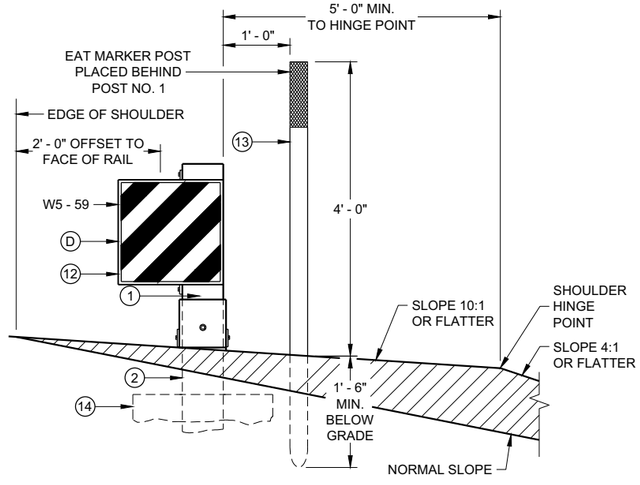




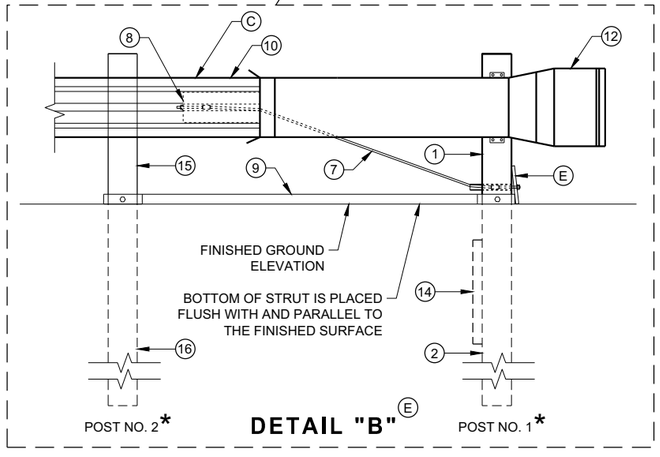
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

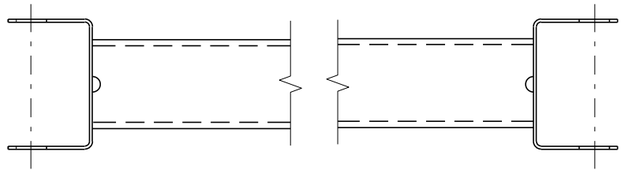
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

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SDD 14B44 - 04a

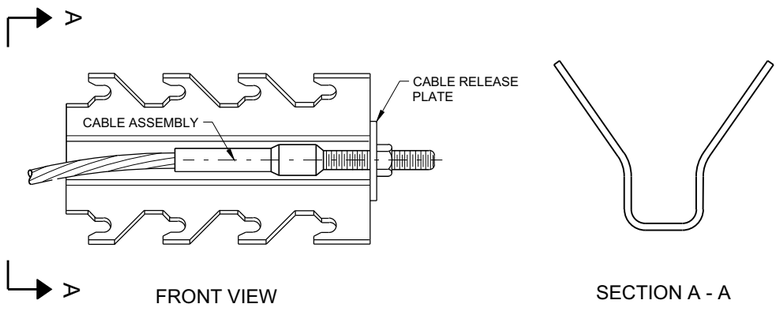
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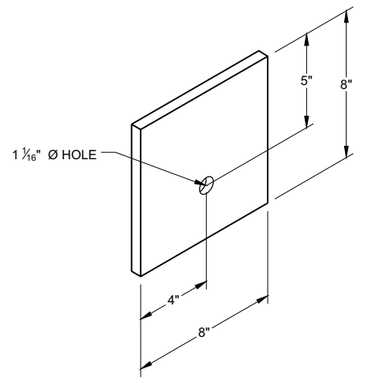
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

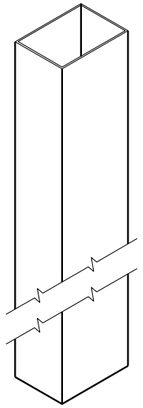
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SDD 14B44 - 04b

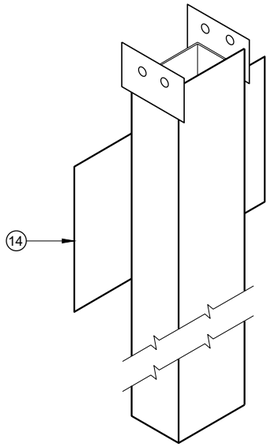
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

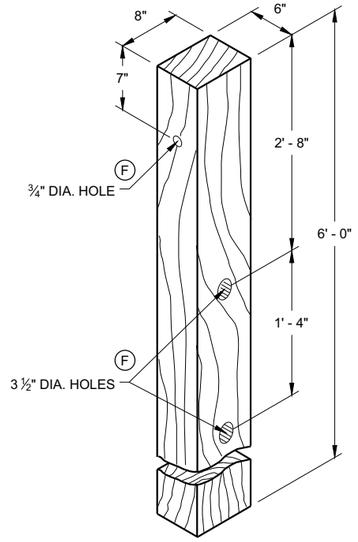
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



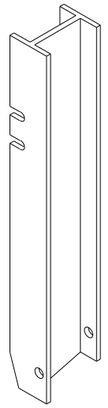
UPPER POST NO. 1 (1) (E)



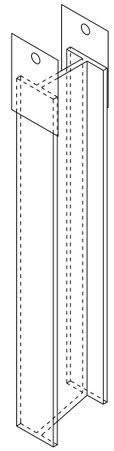
LOWER POST NO. 1 (2) (E)



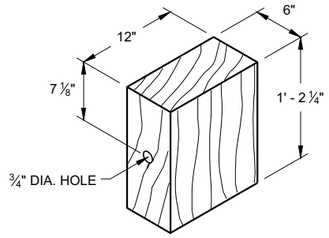
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



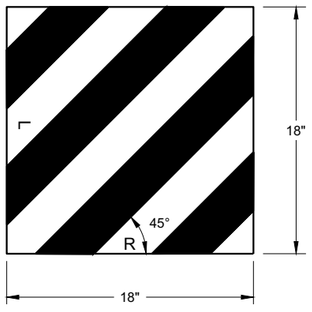
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

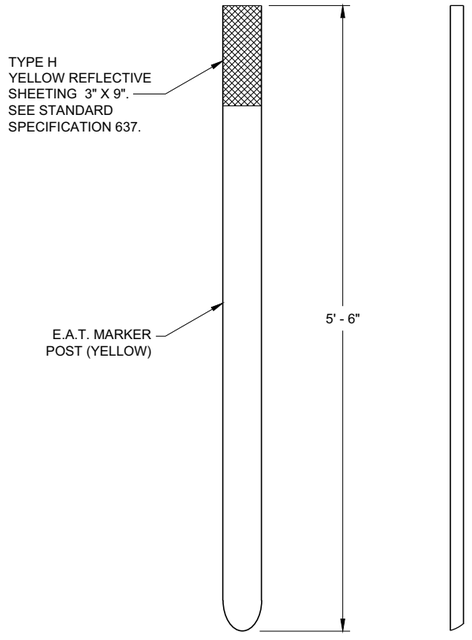


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



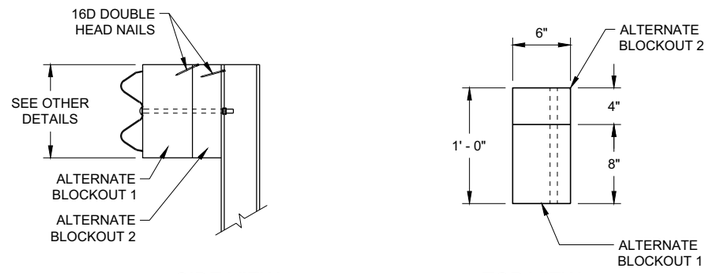
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

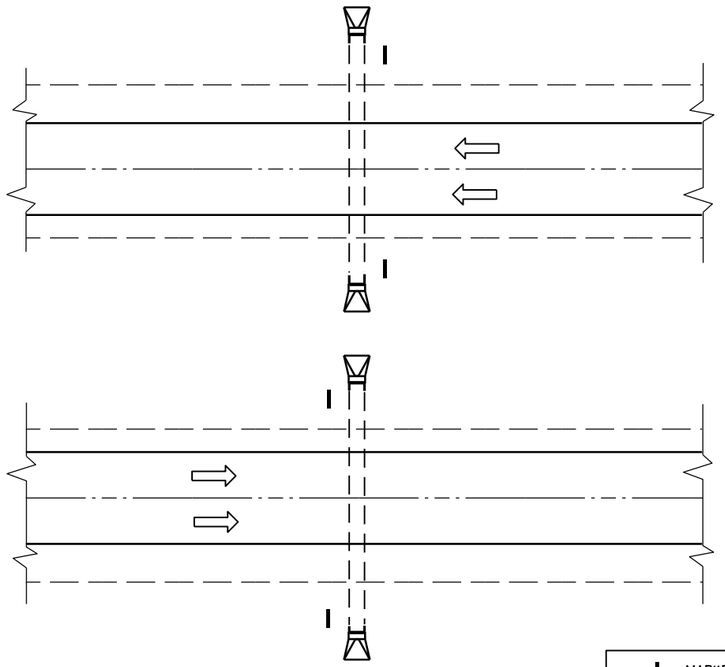
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

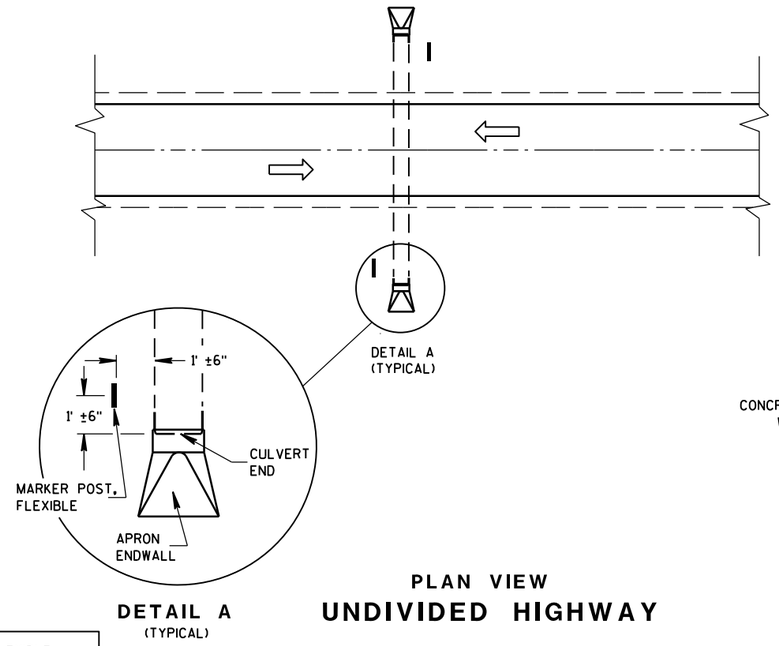
6

SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

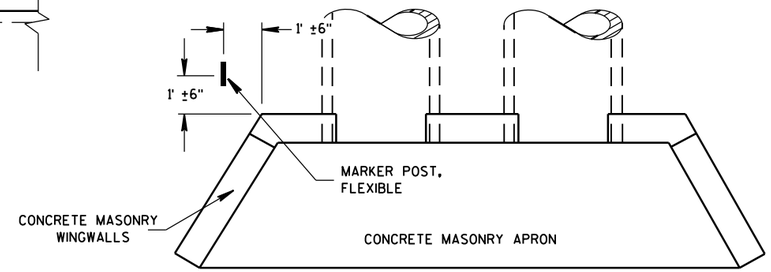
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

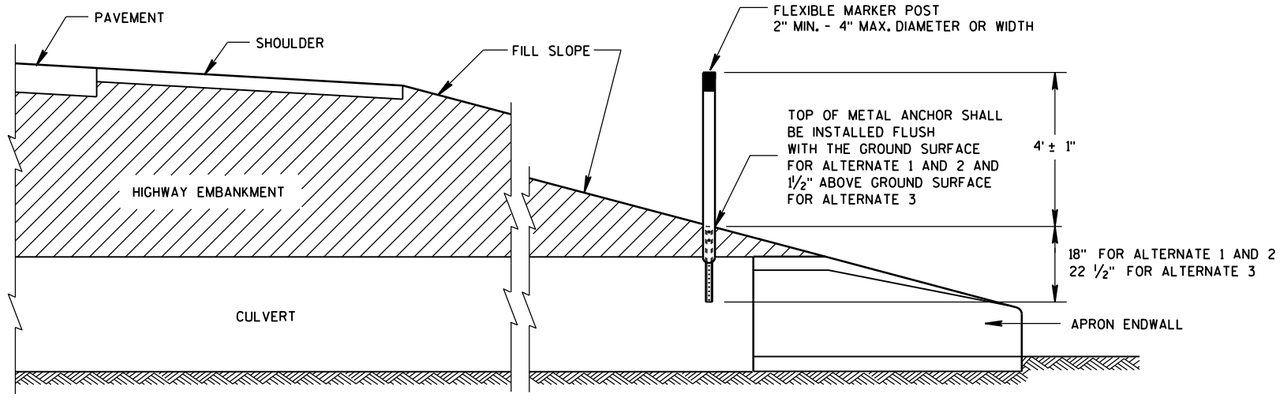
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

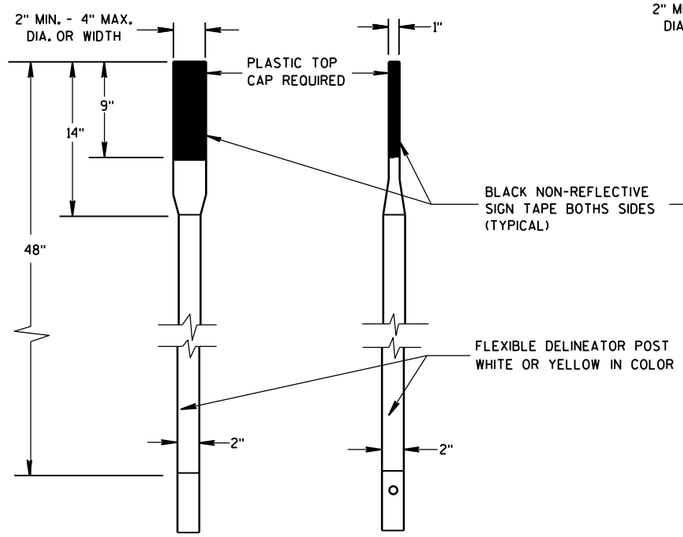
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

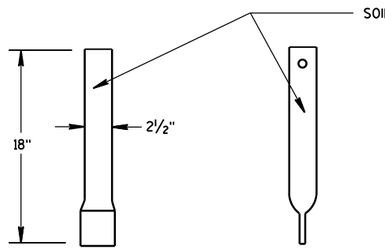
6

S.D.D. 15 A 3-2a

6

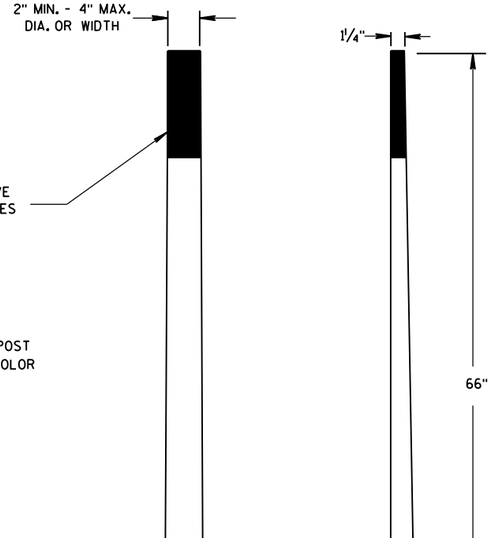
S.D.D. 15 A 3-2a





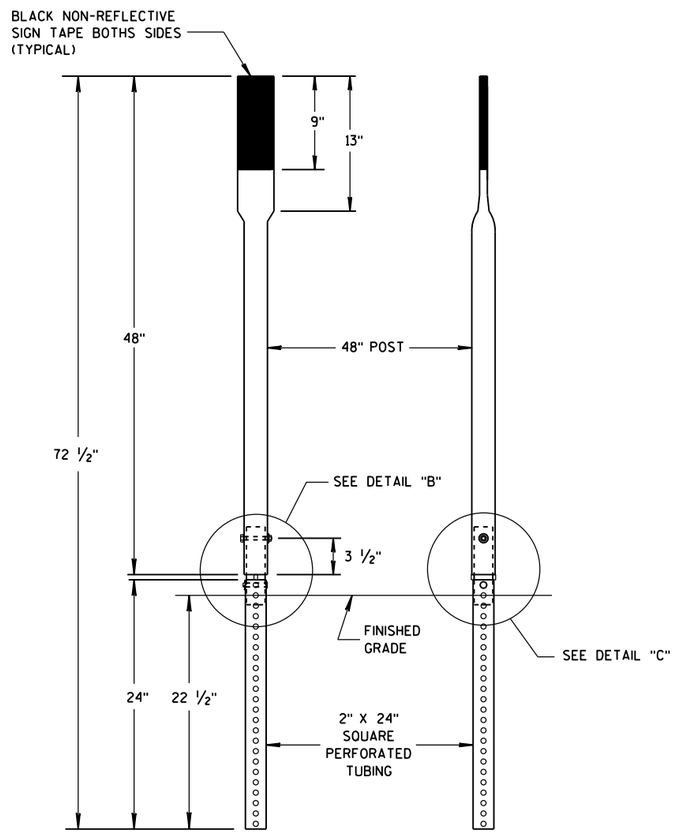
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

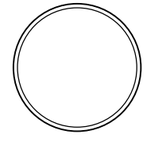
ALTERNATE 2



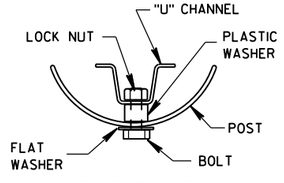
FRONT VIEW SIDE VIEW

ALTERNATE 3

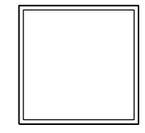
FLEXIBLE MARKER POSTS



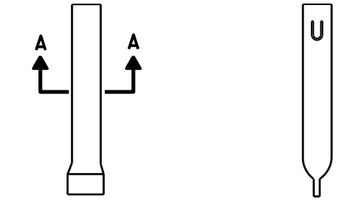
SECTION A-A



SECTION B-B

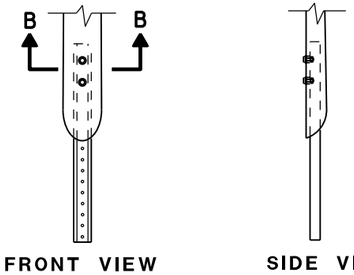


SECTION C-C



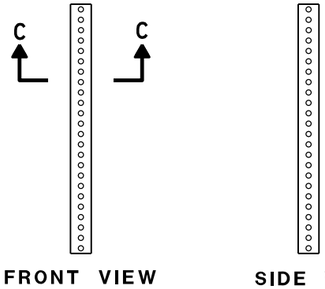
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

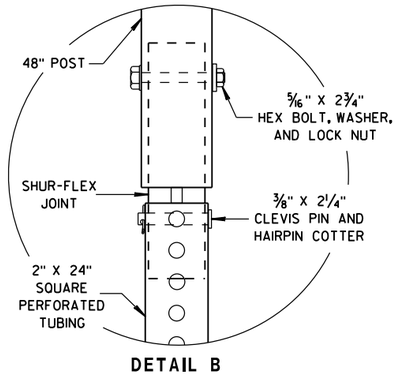
ALTERNATE 2



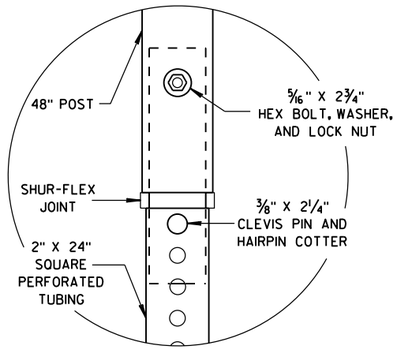
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

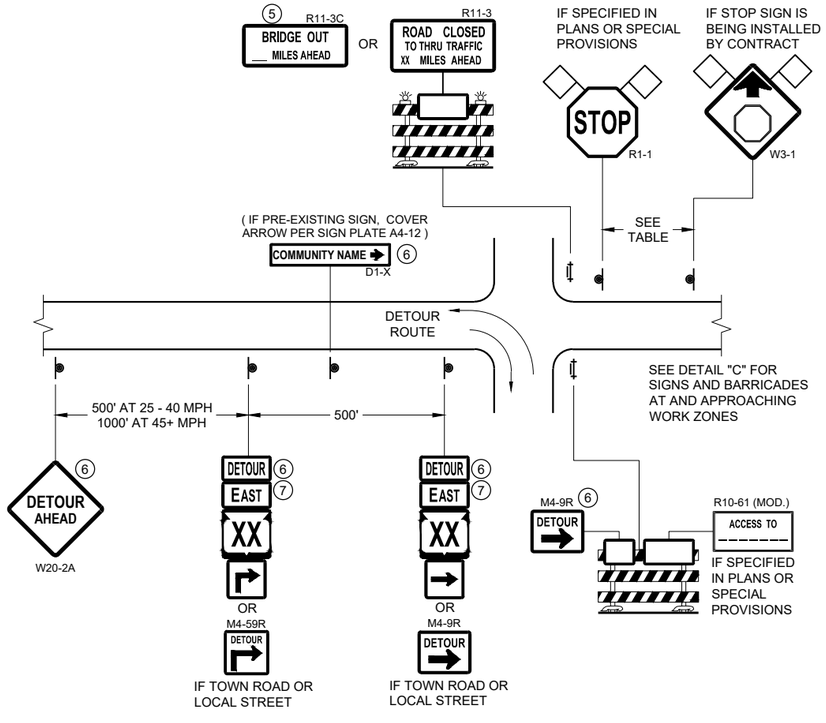
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

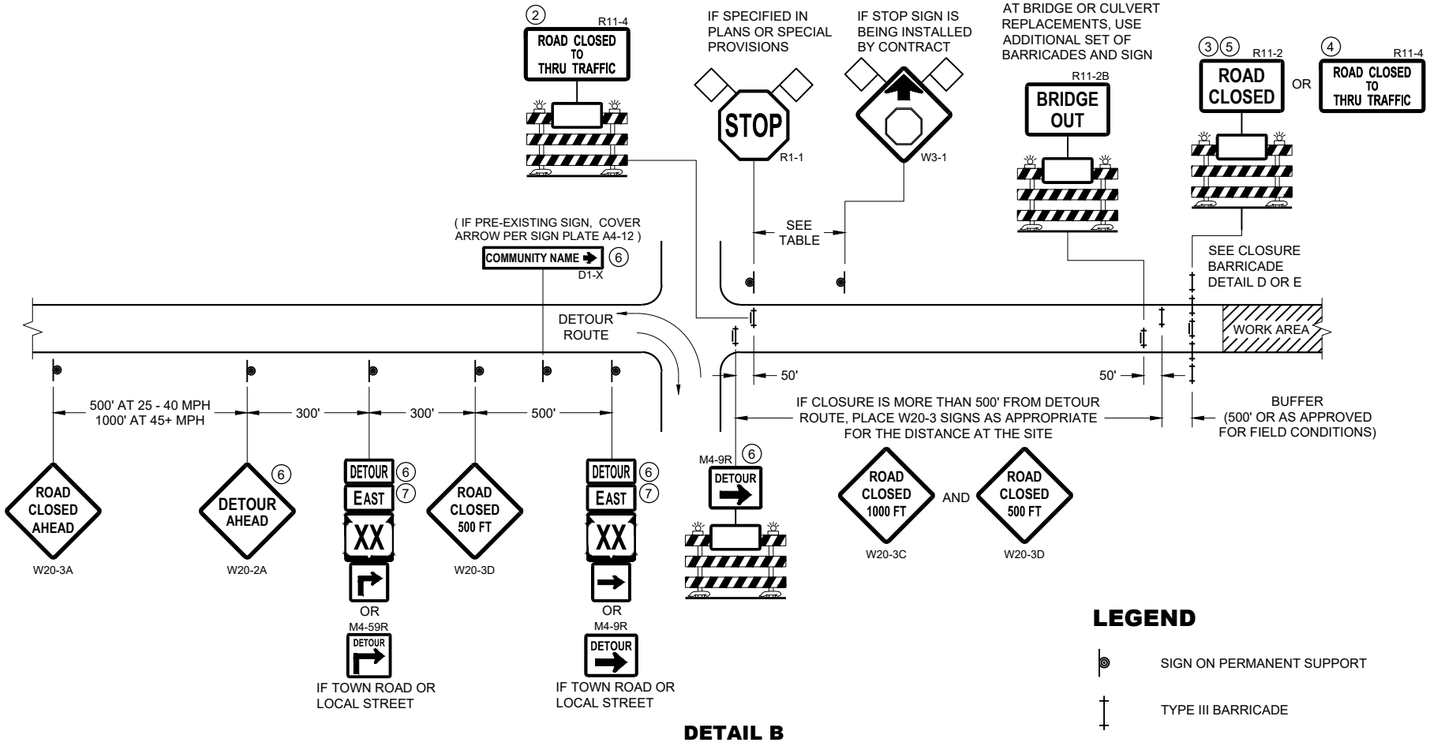
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S.D.D. 15 A 3-2b



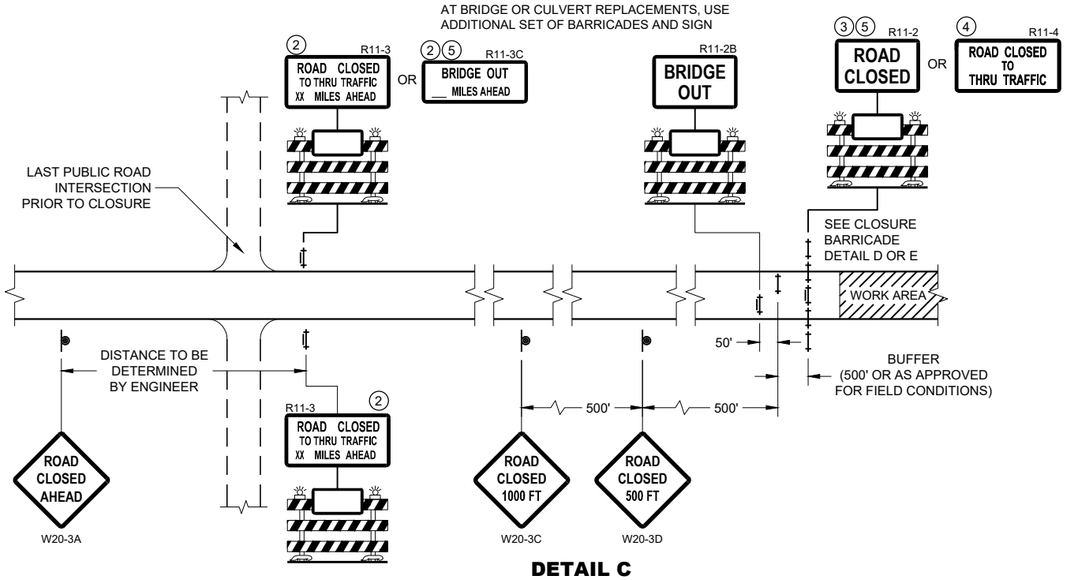
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

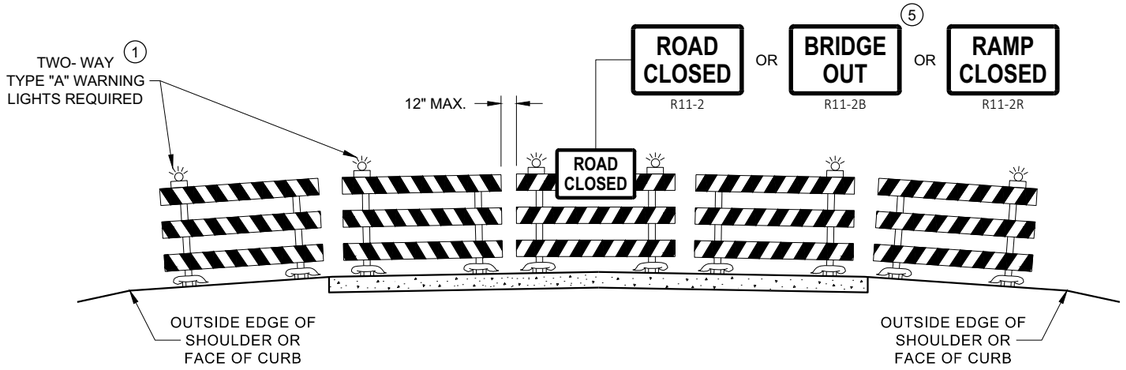
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

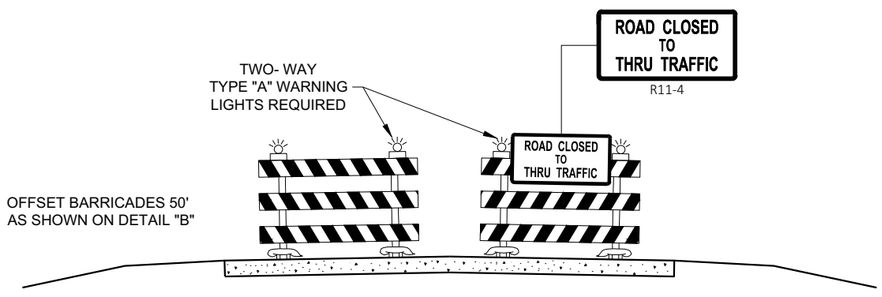
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SDD 15C02 - 08a

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.

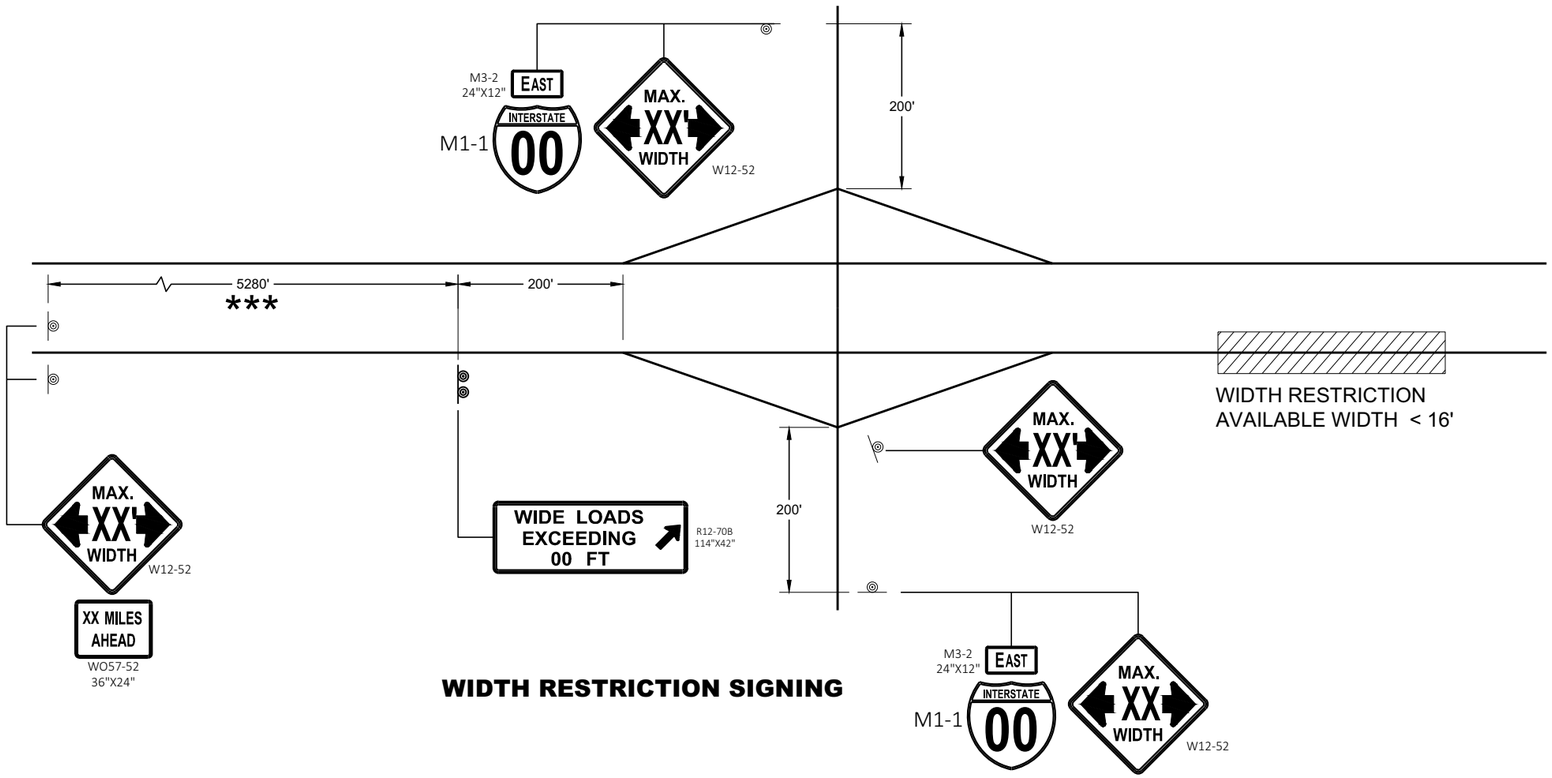
BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b



WIDTH RESTRICTION SIGNING

LEGEND

◎ SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

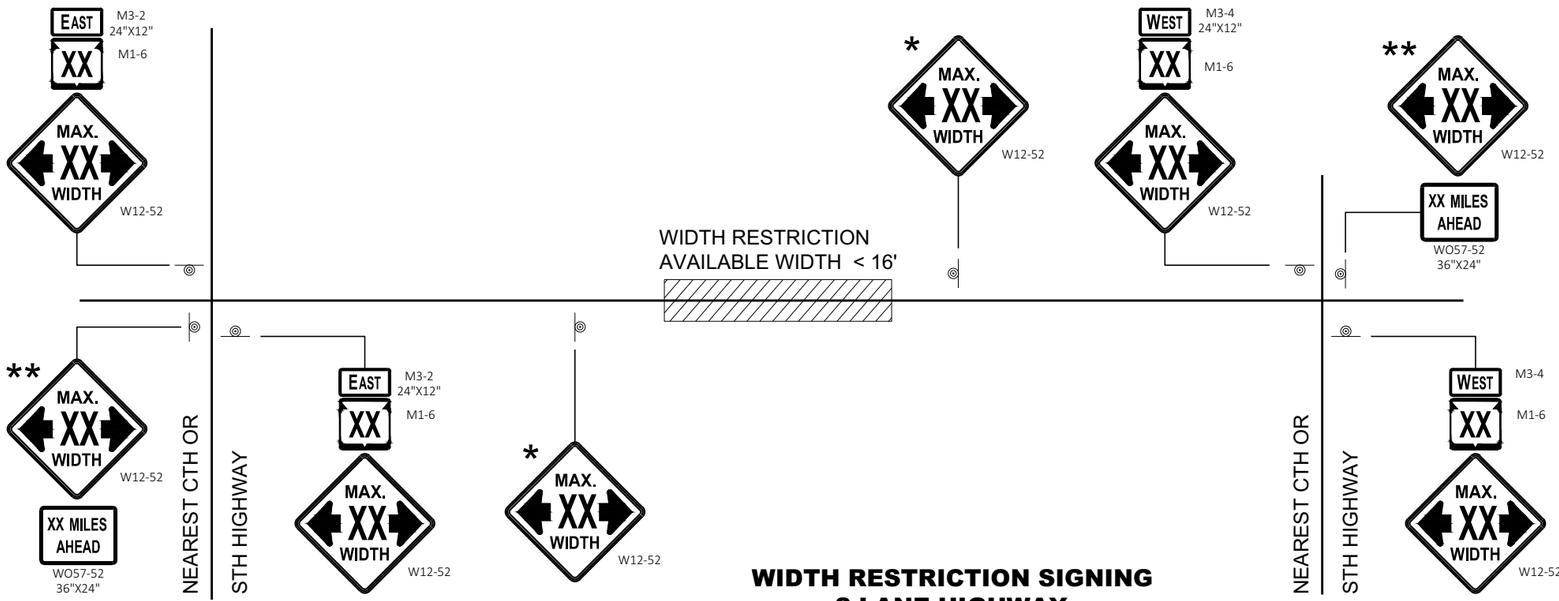
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

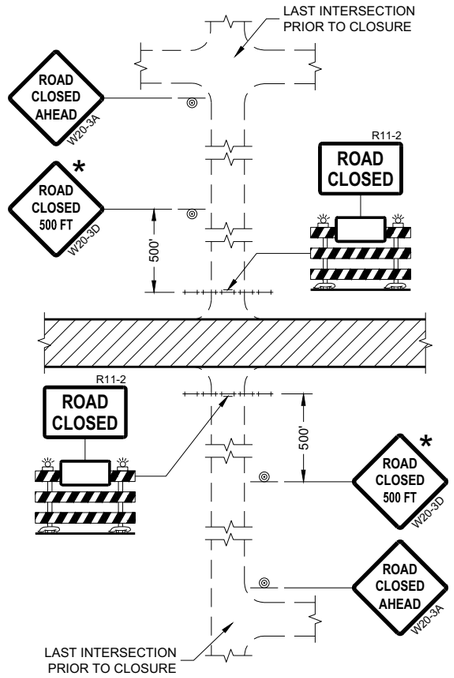
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 251

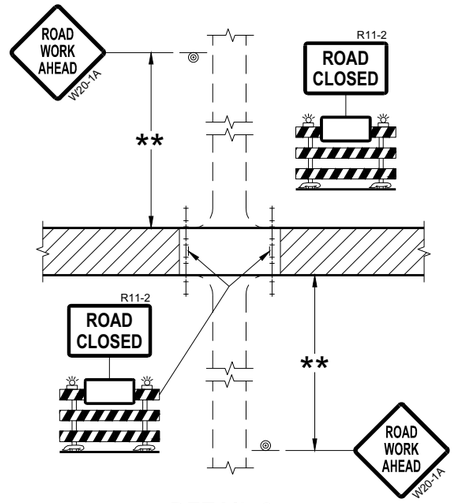
FHWA

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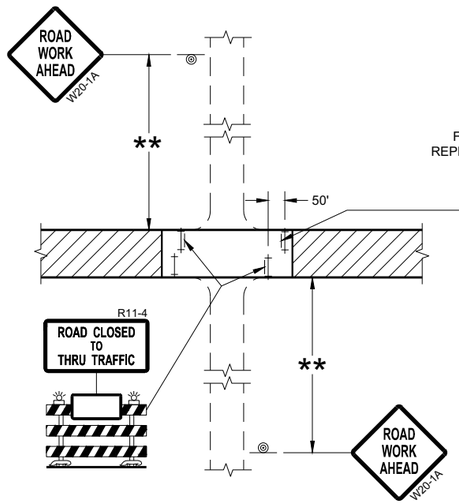
SDD 15C02 - 08f



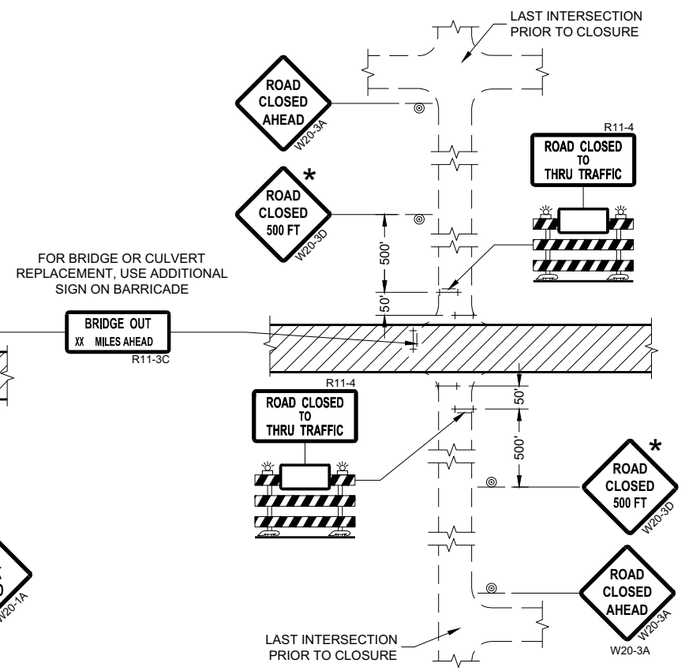
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

6

SDD 15C03 - 05

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

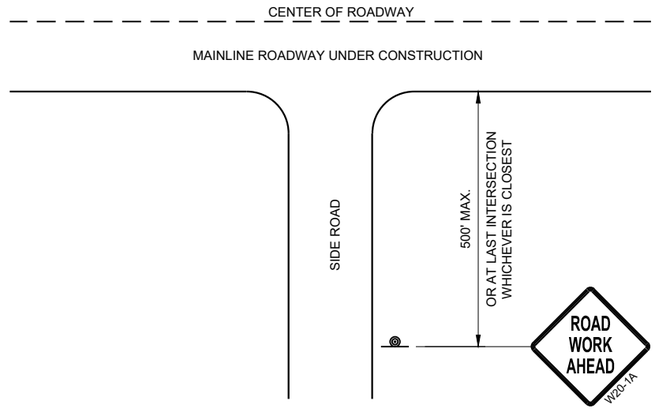
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



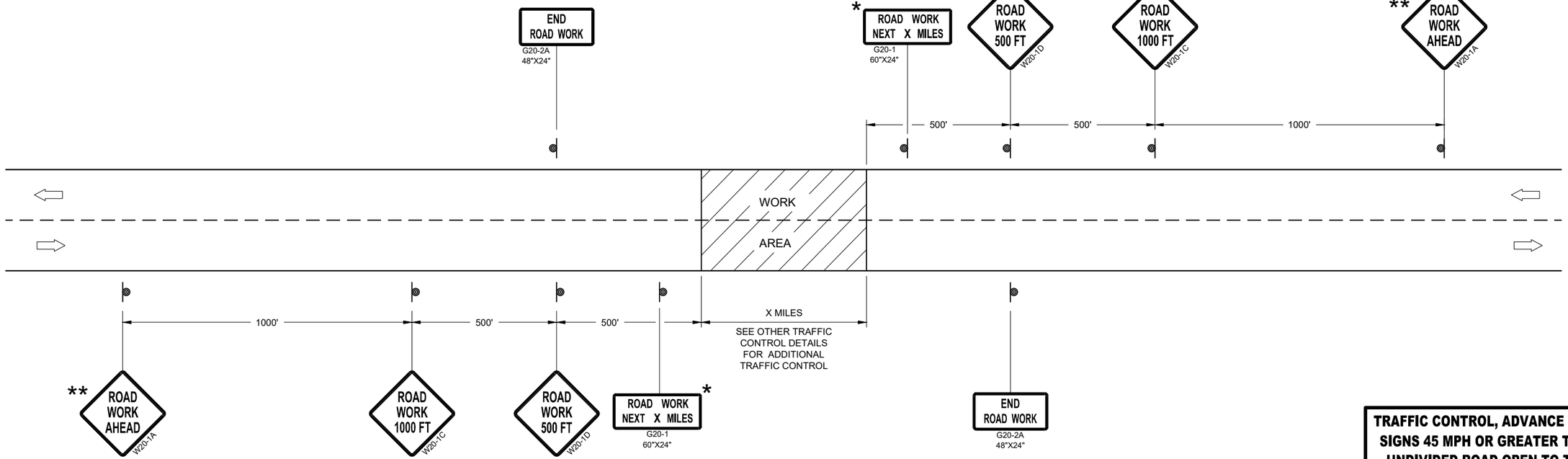
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

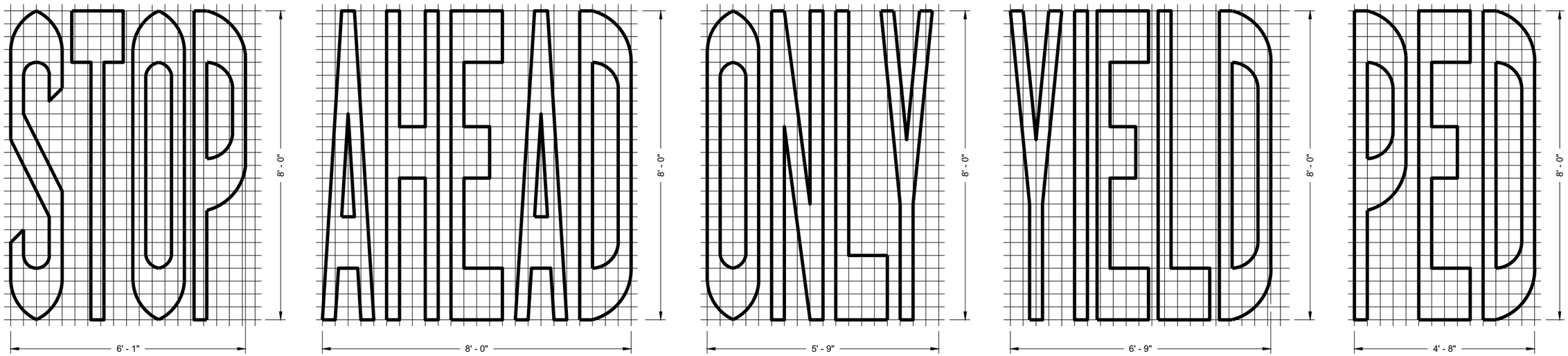
APPROVED
July 2018
DATE

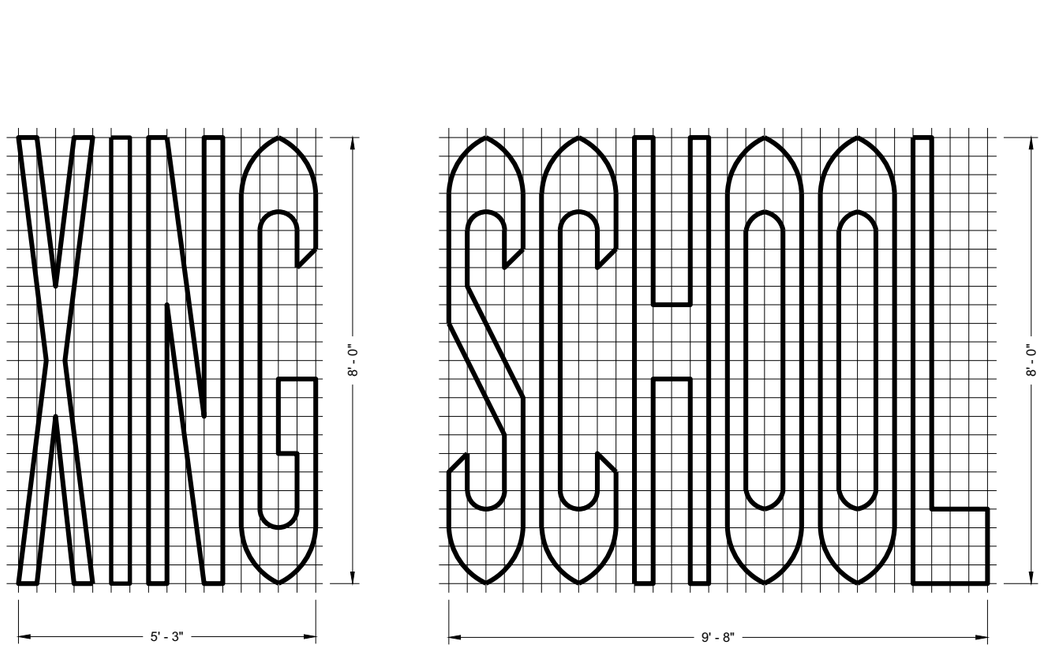
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

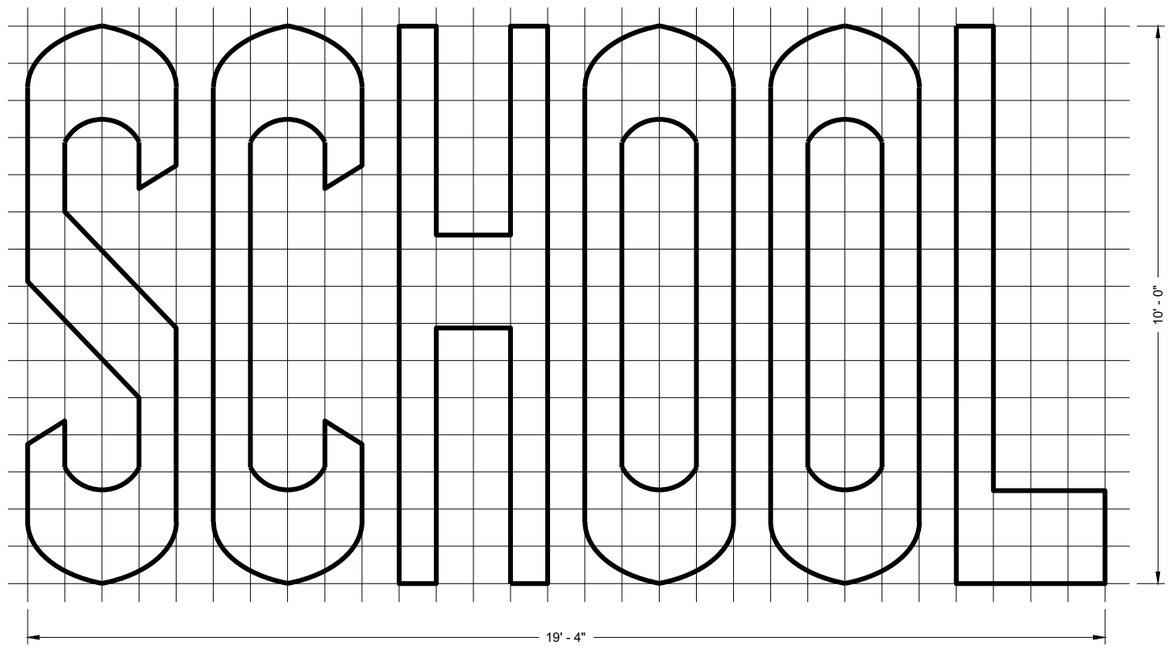
6

SDD 15C04 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C07 - 15b

SDD 15C07 - 15b

GENERAL NOTES

DETAILS OF 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

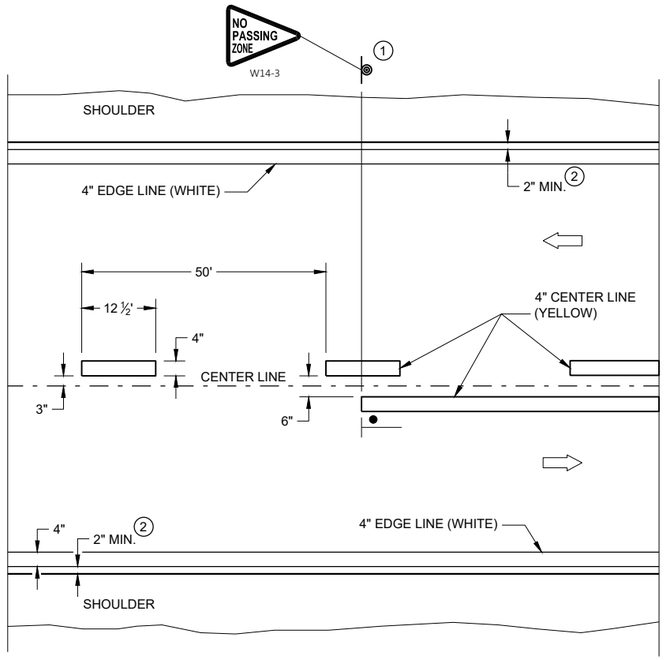
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

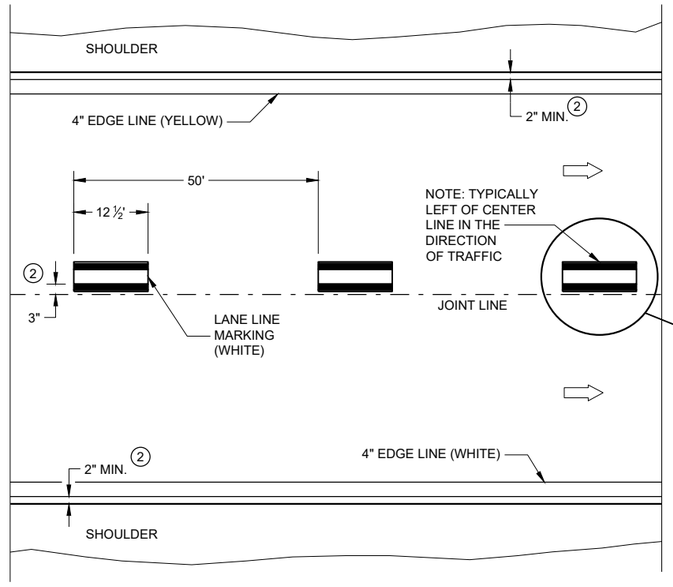
"T" MARKING

SIGN ON PERMANENT SUPPORT

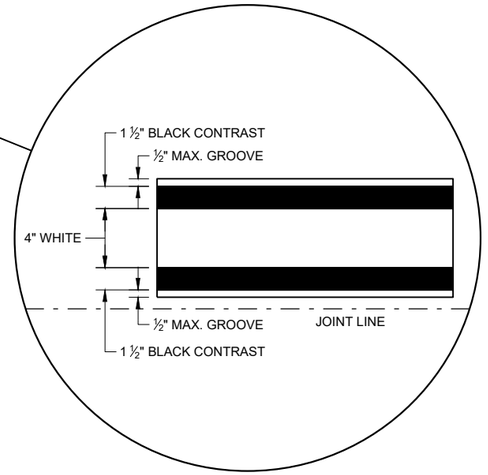
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

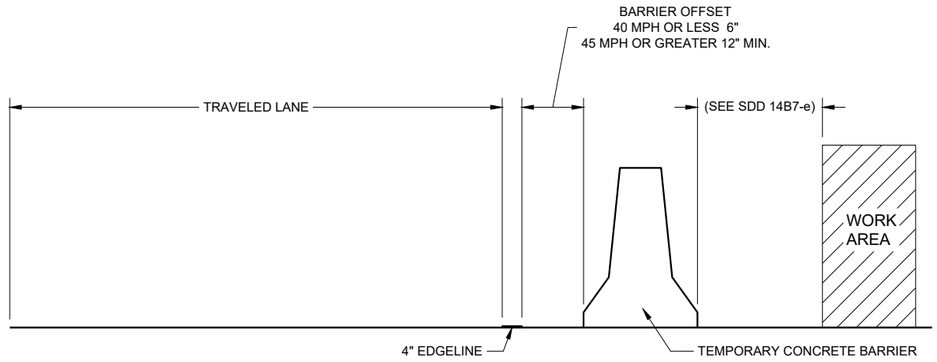
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

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SDD 15C08 - 21a

SDD 15C08 - 21a



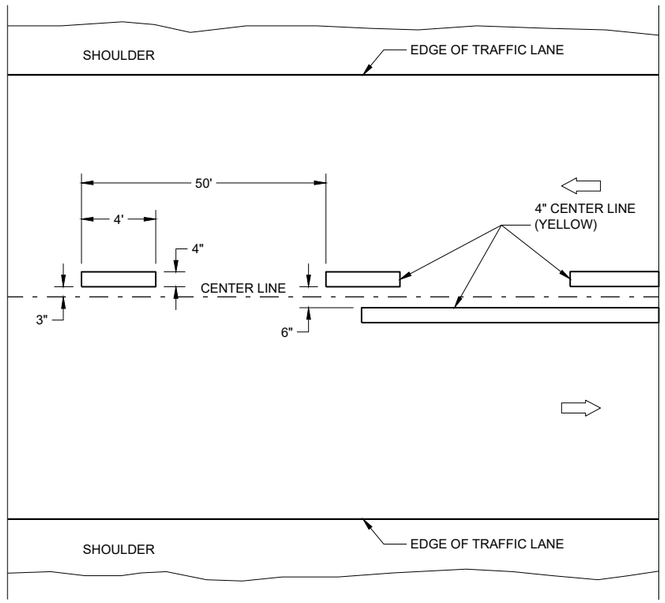
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

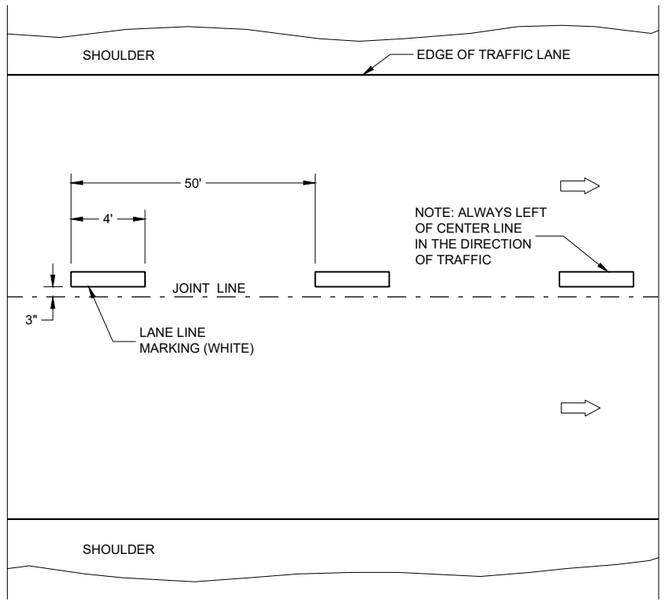
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

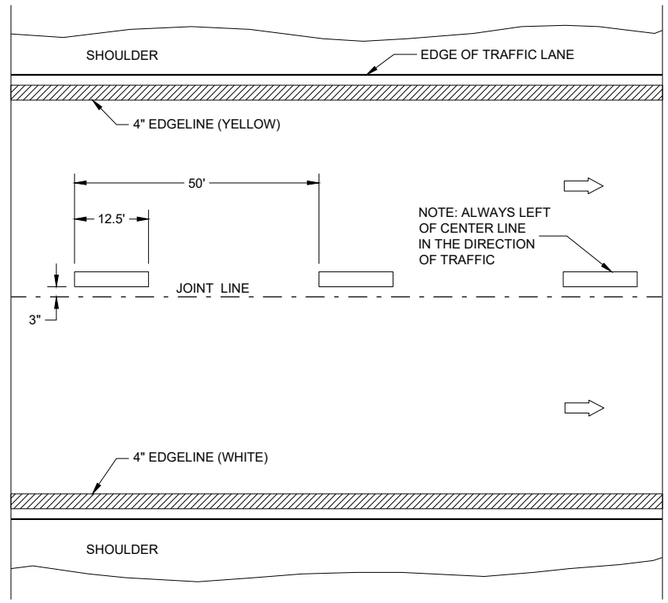
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

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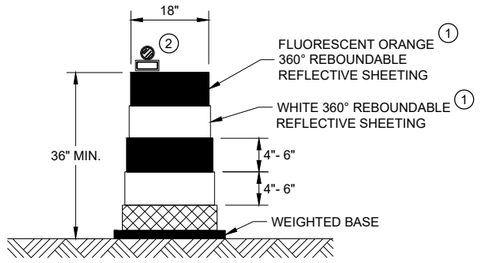
SDD 15C08 - 21b

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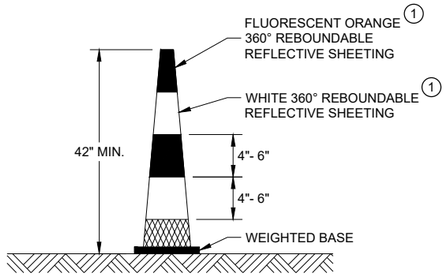
SDD 15C08 - 21b

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.

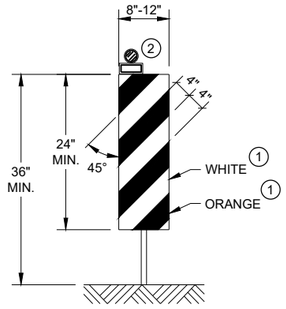


DRUM



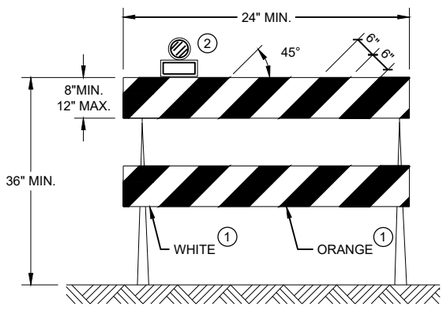
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



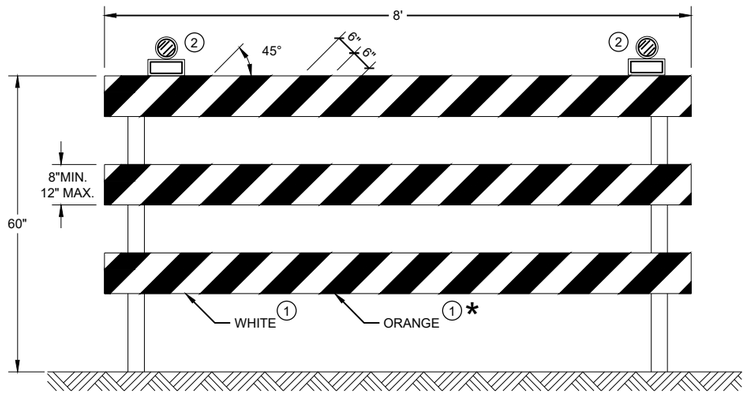
VERTICAL PANEL

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

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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.

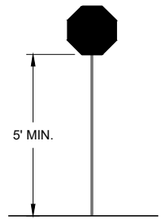
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

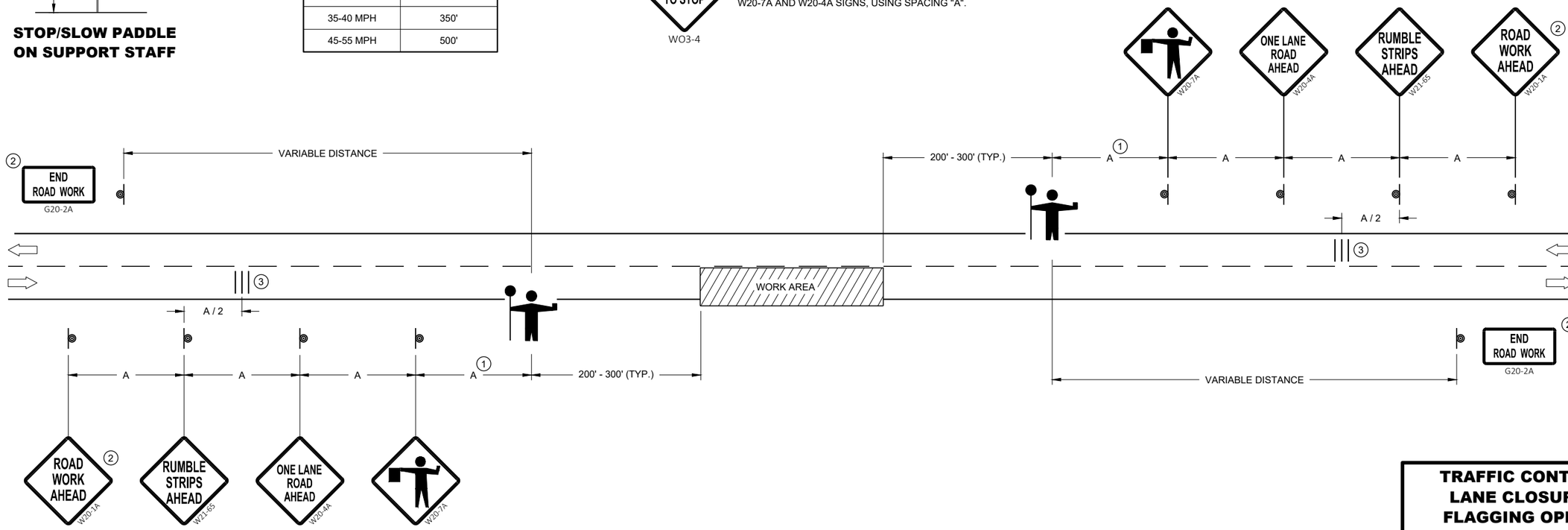
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

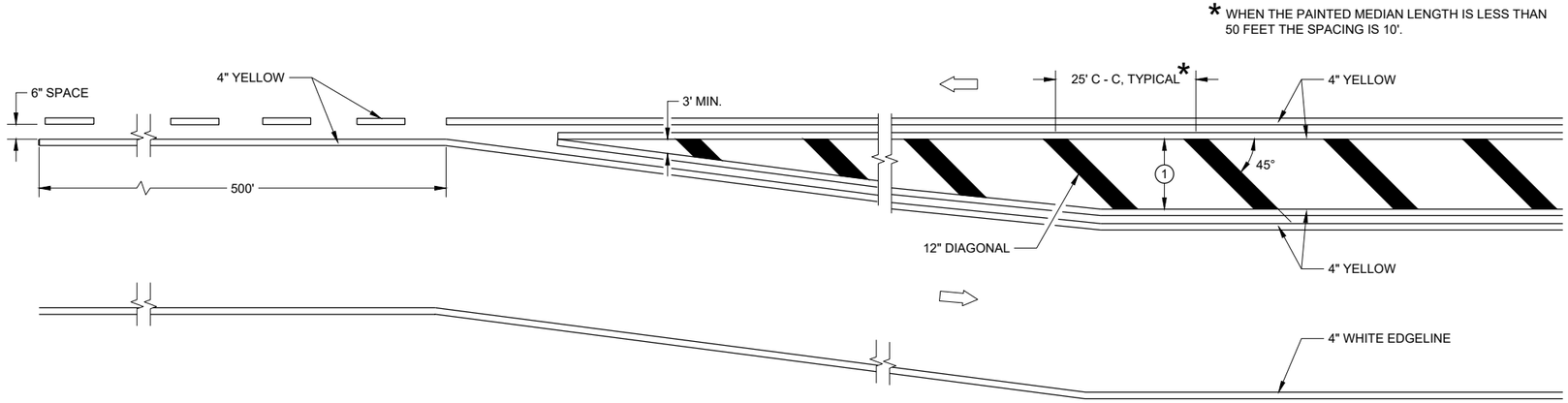
FHWA

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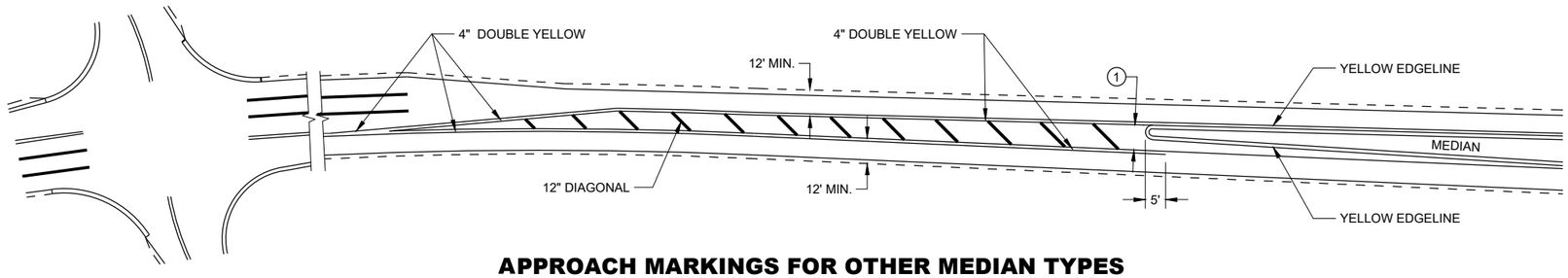
SDD 15C12 - 09a

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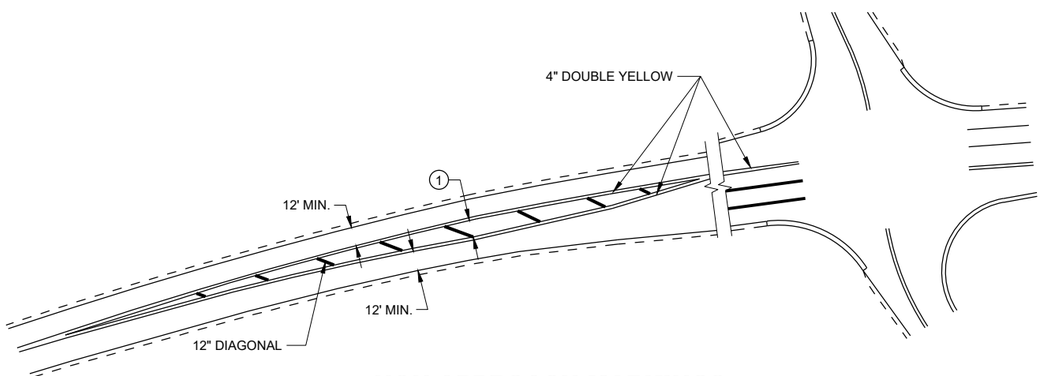
SDD 15C12 - 09a



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

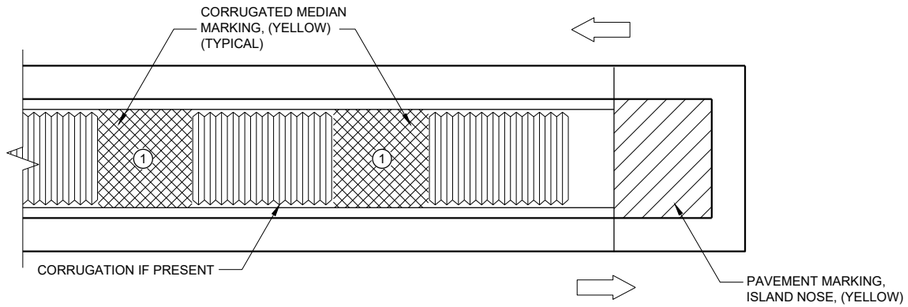
MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

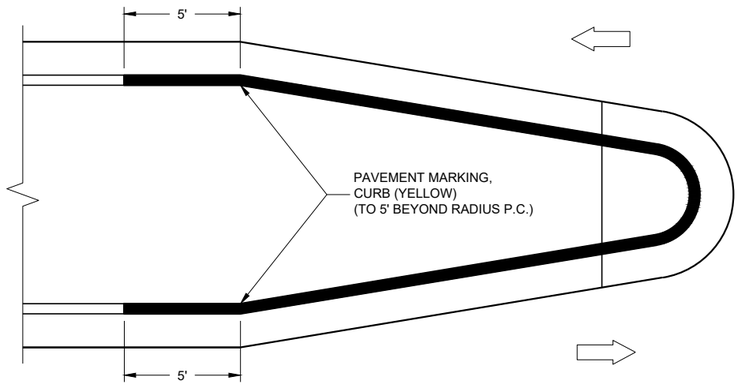
APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MAF ENGINEER
FHWA

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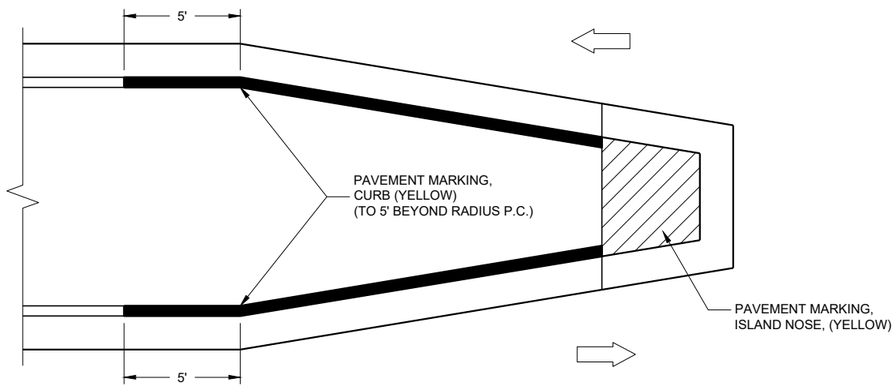
SDD 15C18 - 06a



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

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

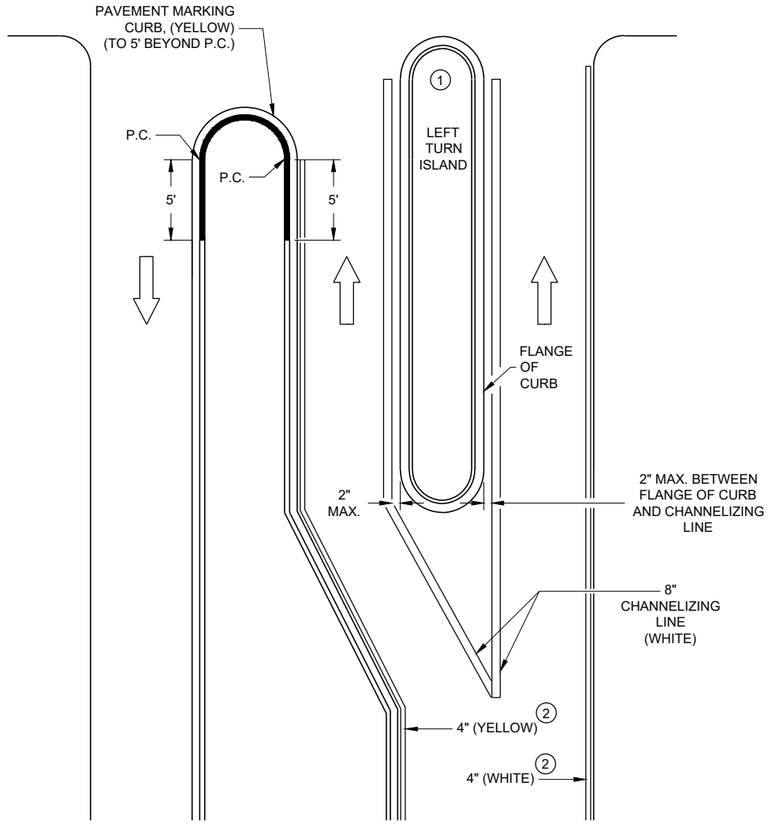
/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

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SDD 15C18 - 06b
SDD15C18 - 06b

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

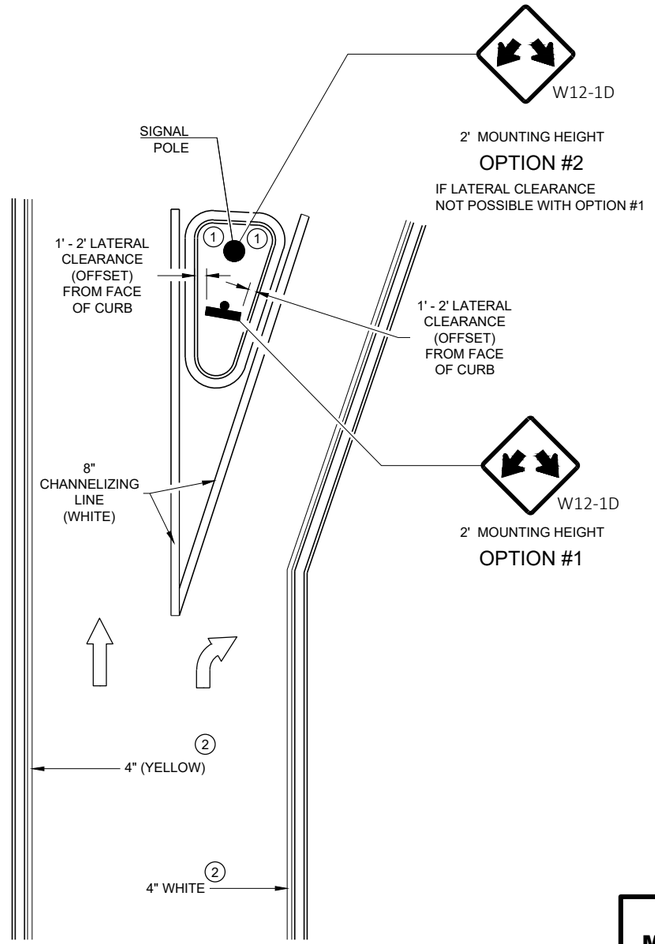
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

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 MAF ENGINEER

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SDD 15C18 - 06c

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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.

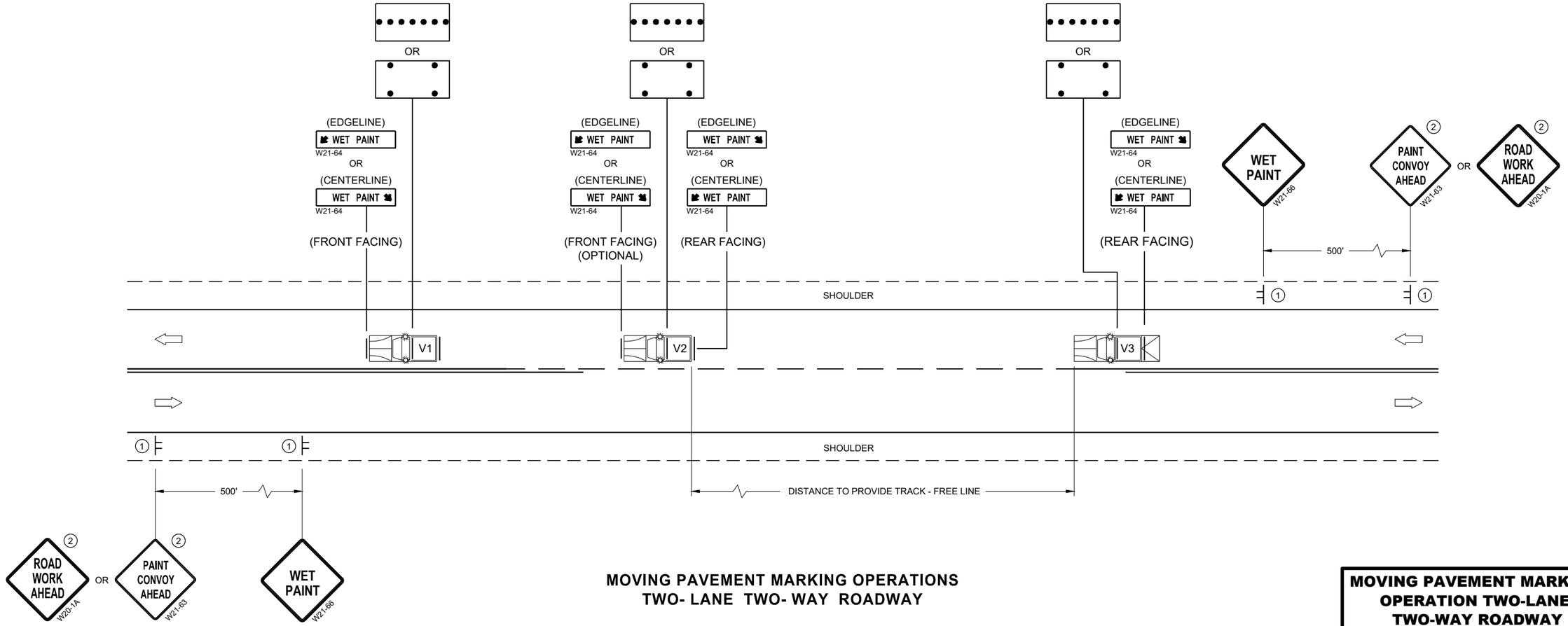
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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.



MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C19 - 06a

6

SDD 15C19 - 06a

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.

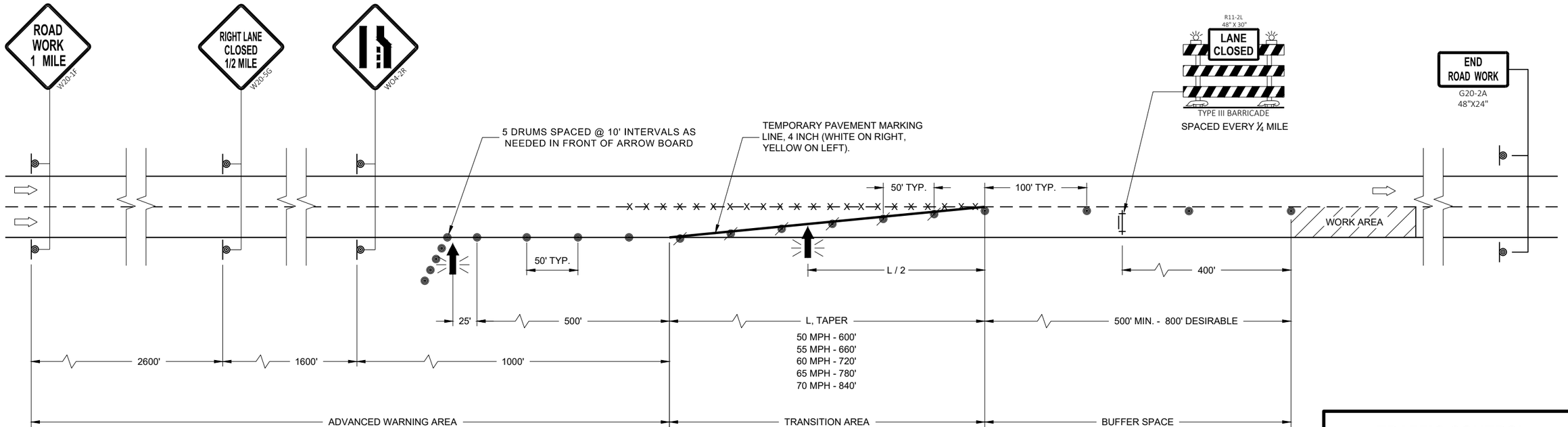
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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 ENGINEE

FHWA

SDD 15D12 - 10a

SDD 15D12 - 10a

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" SIGNS ARE THE SAME AS "W" SIGNS 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

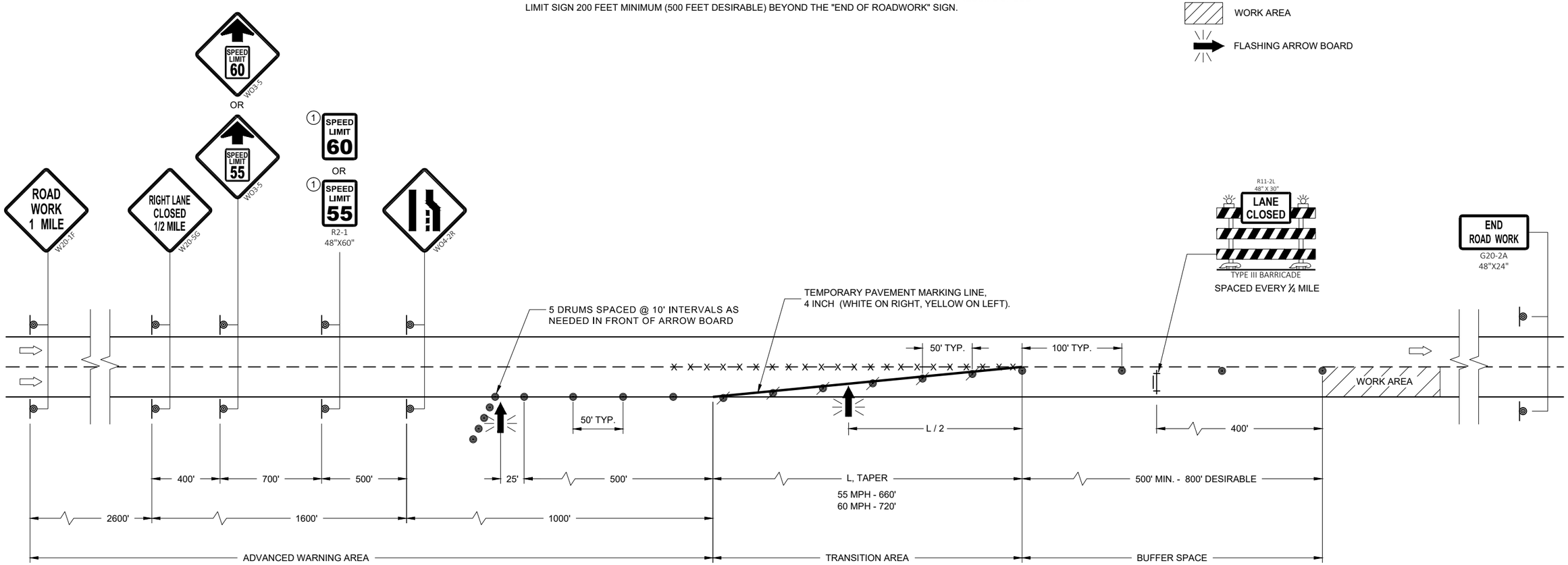
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

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.

(1) A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

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, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 10b

6

SDD 15D12 - 10b

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

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

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.

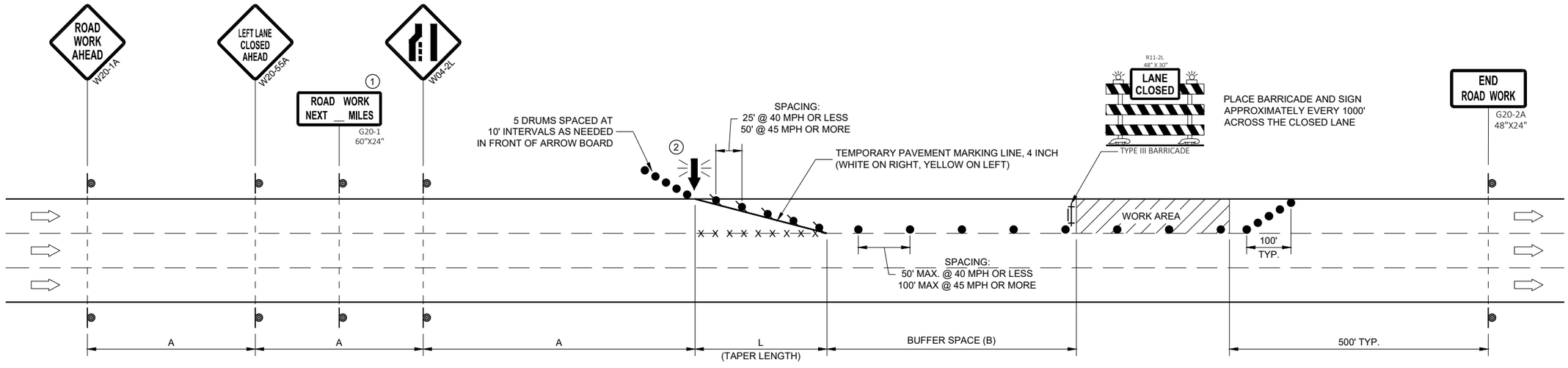
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



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'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D20 - 06a

SDD15D20 - 06a

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.

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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

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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.

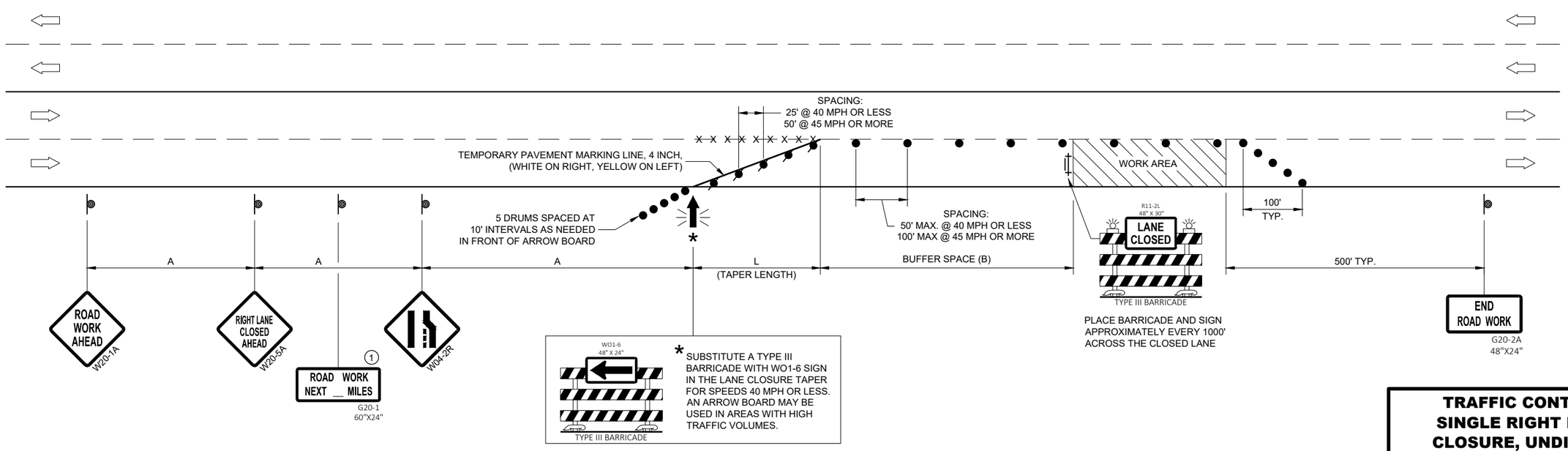
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

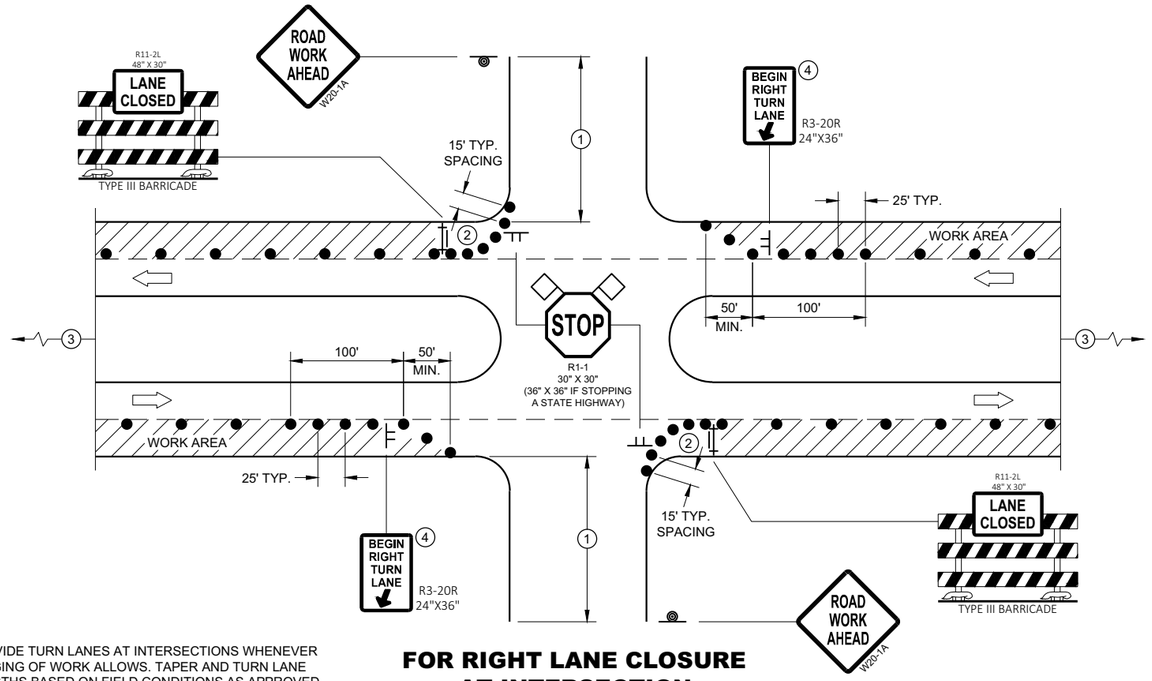
APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D20 - 06b

SDD 15D20 - 06b



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

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.

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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.

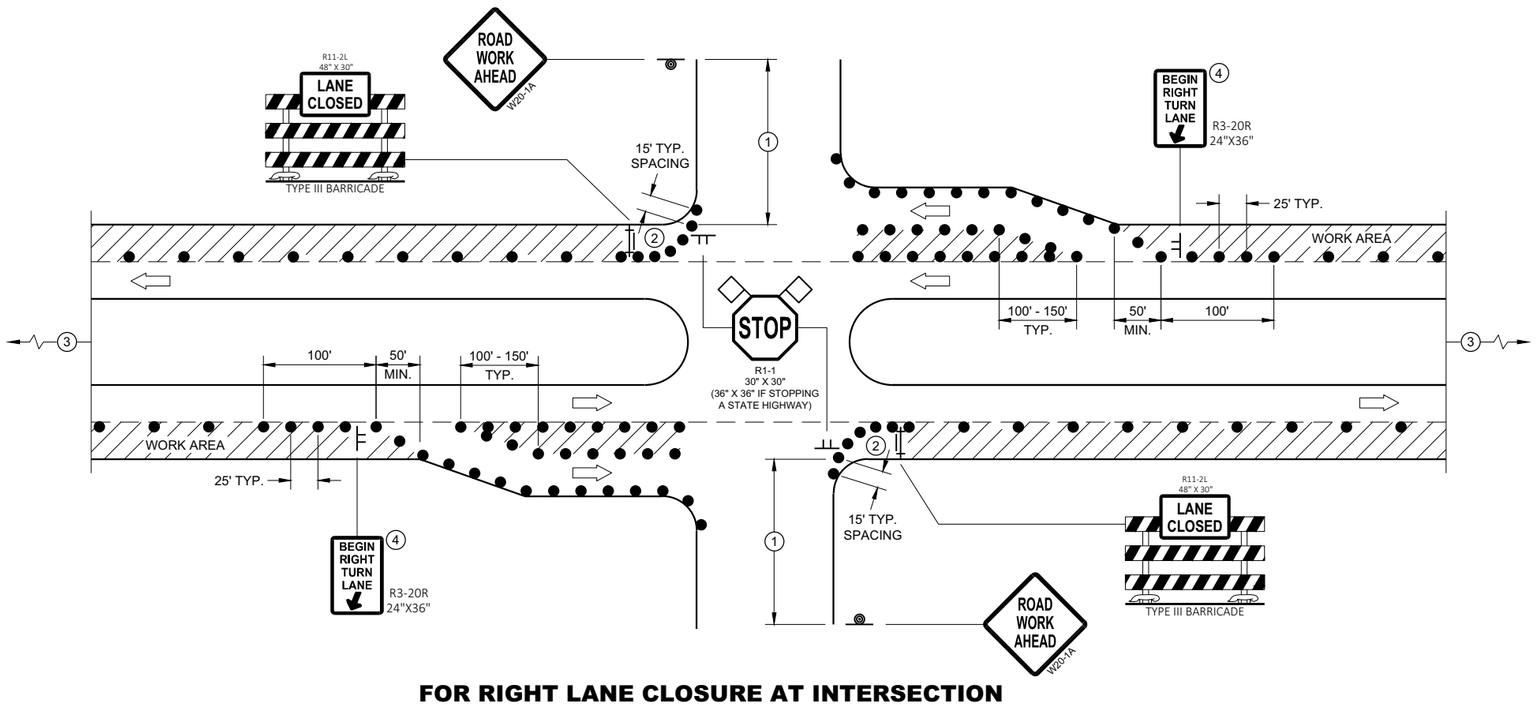
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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

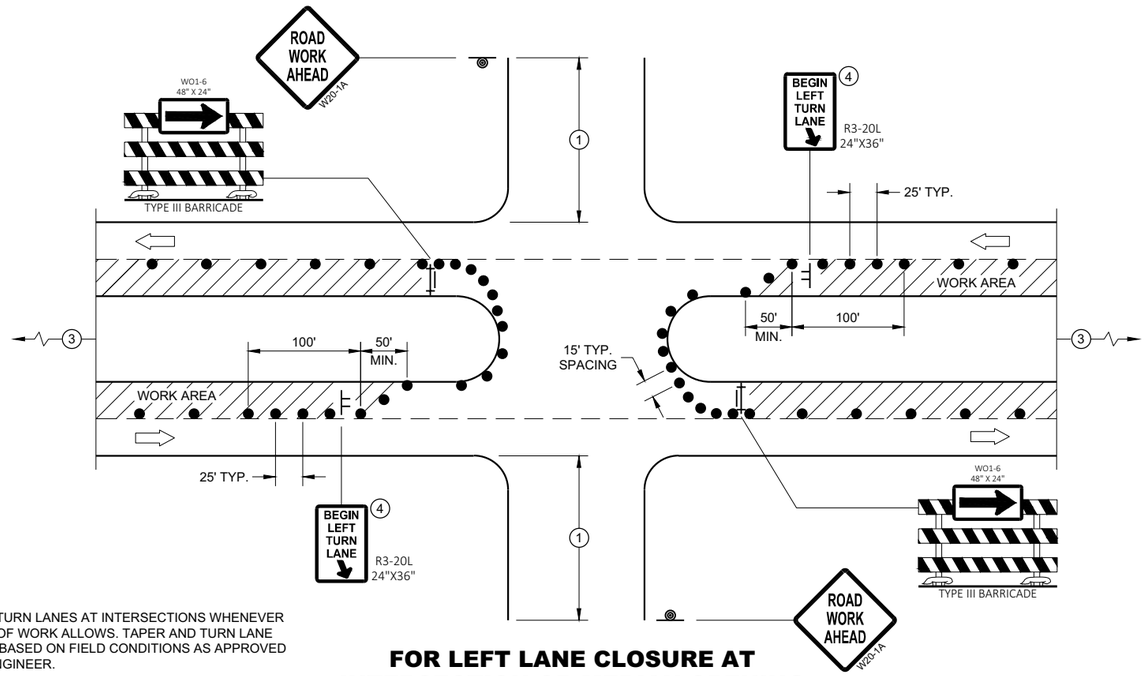
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

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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.

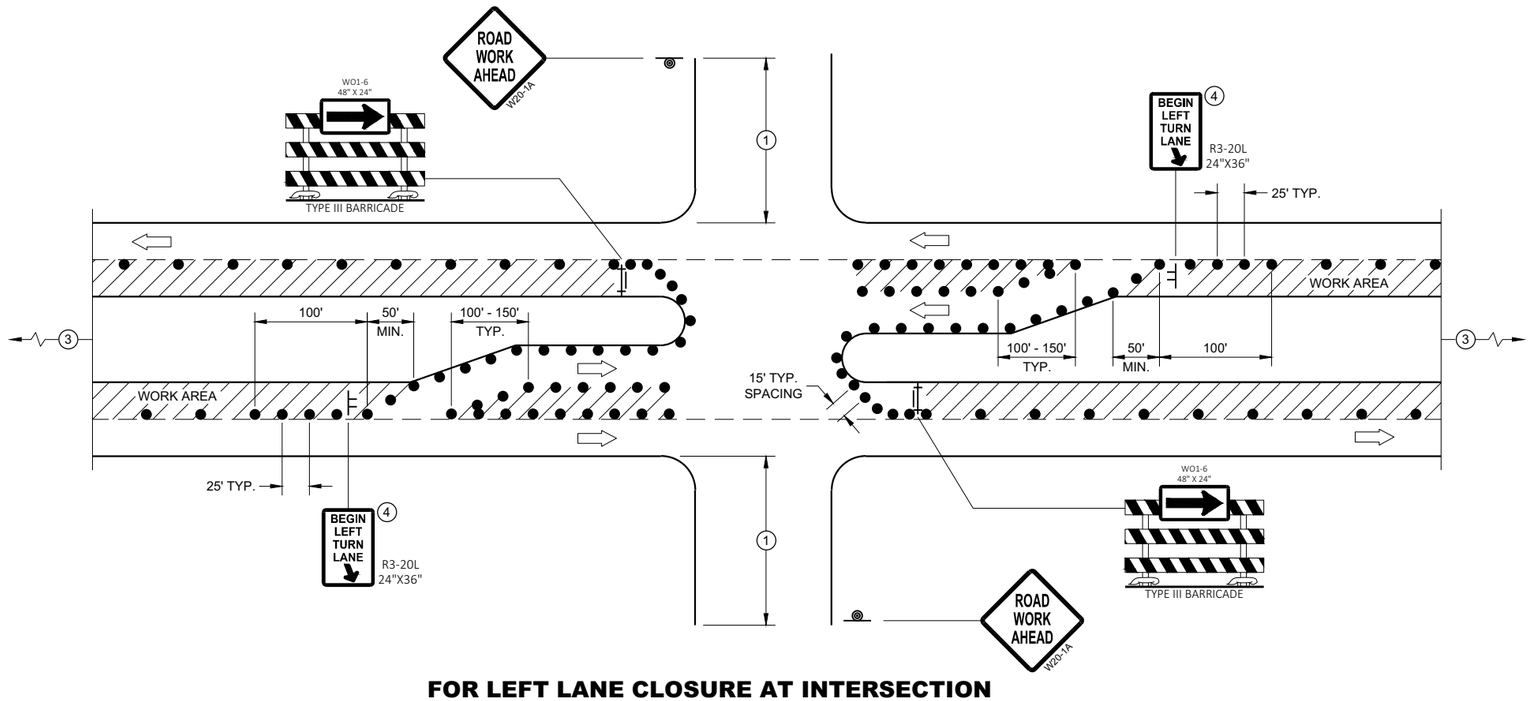
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(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.

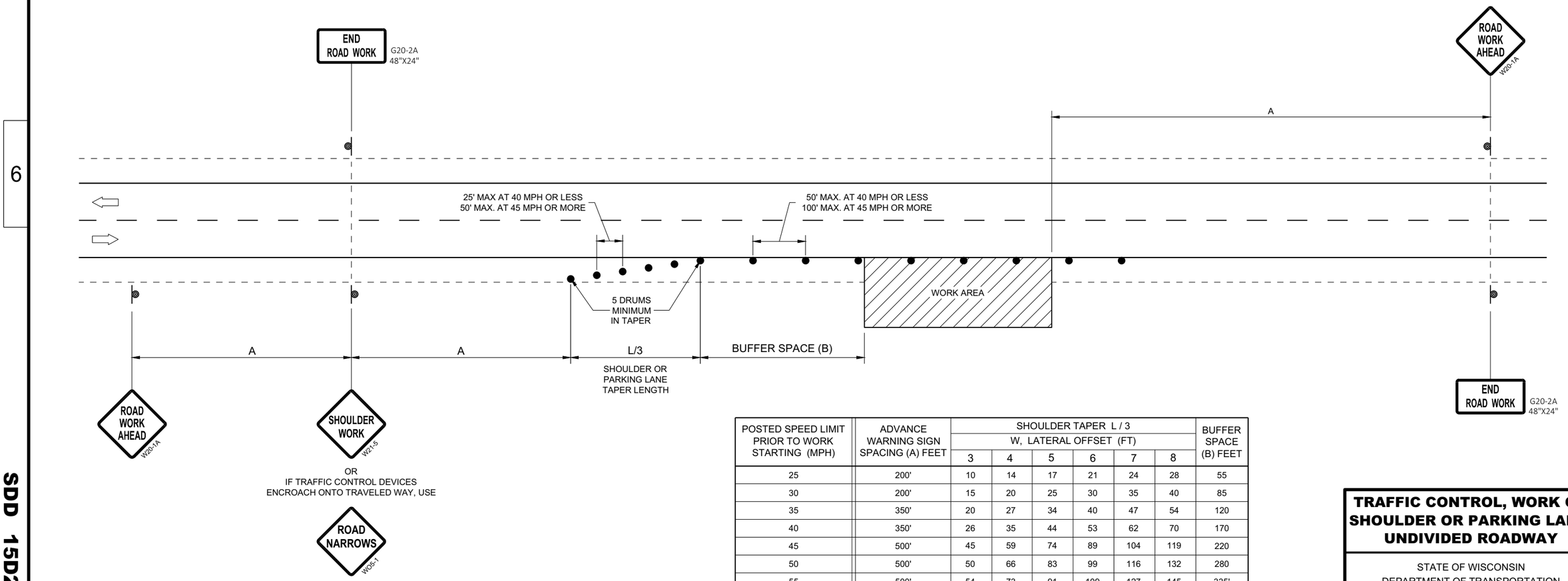
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

- 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.

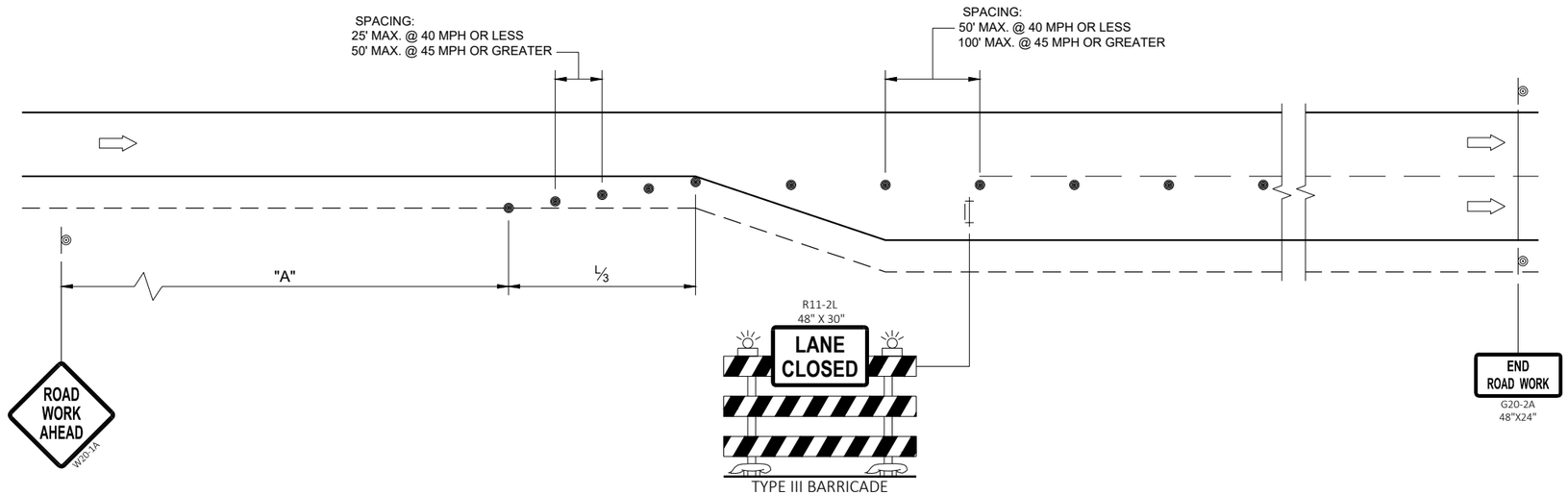
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

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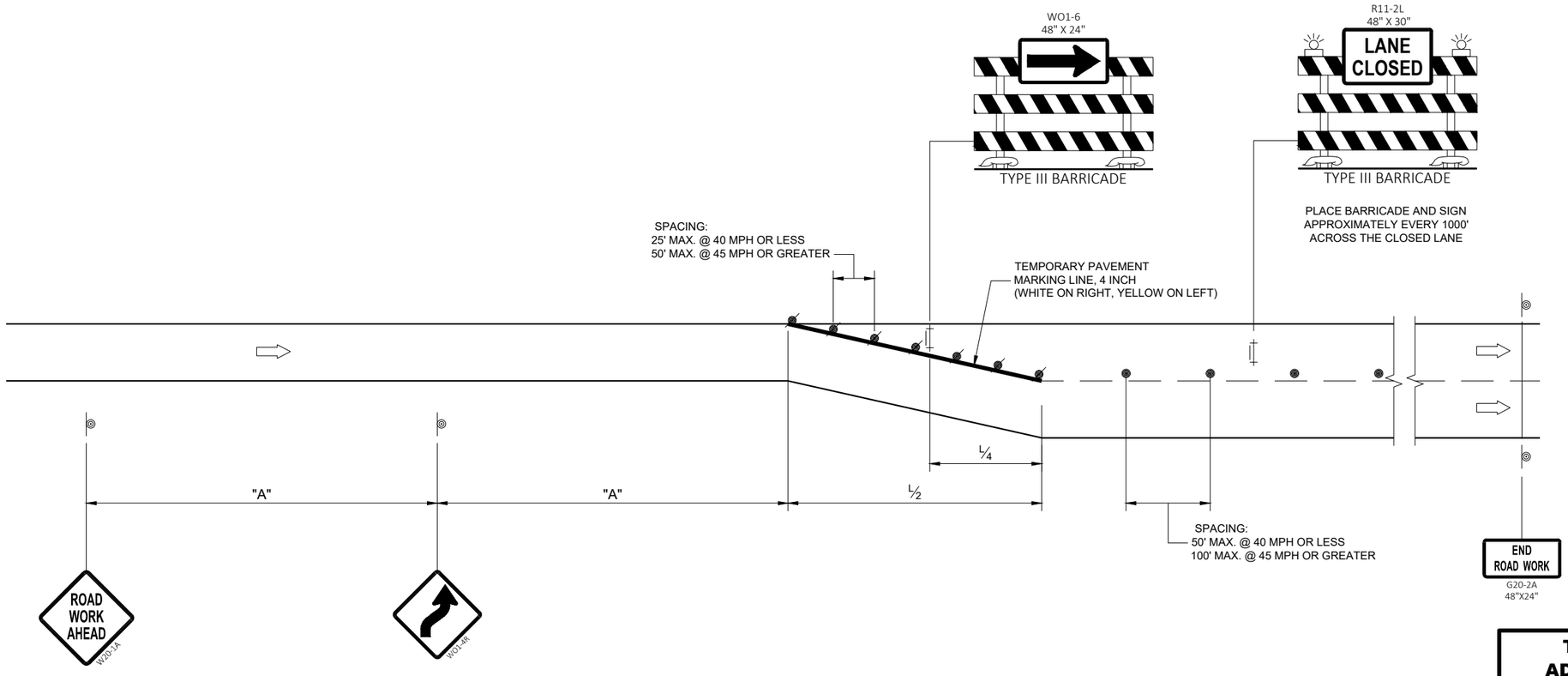
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

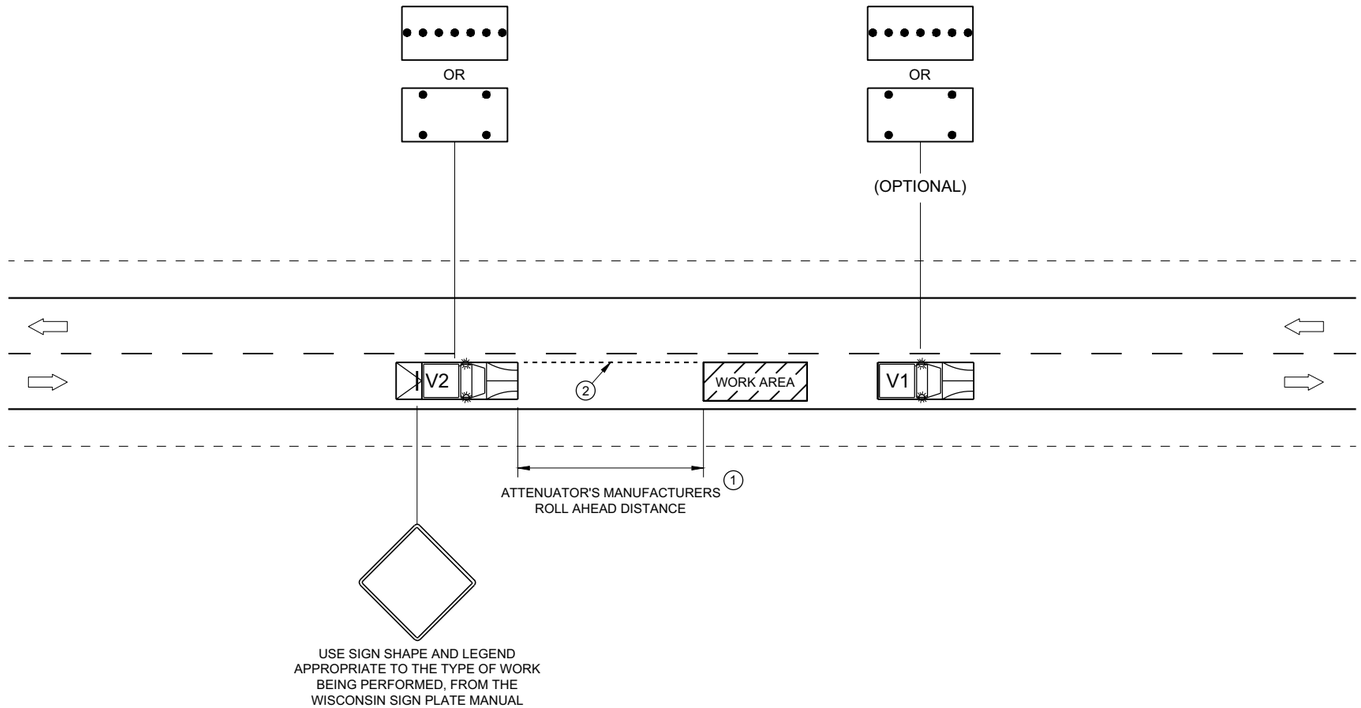
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

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.



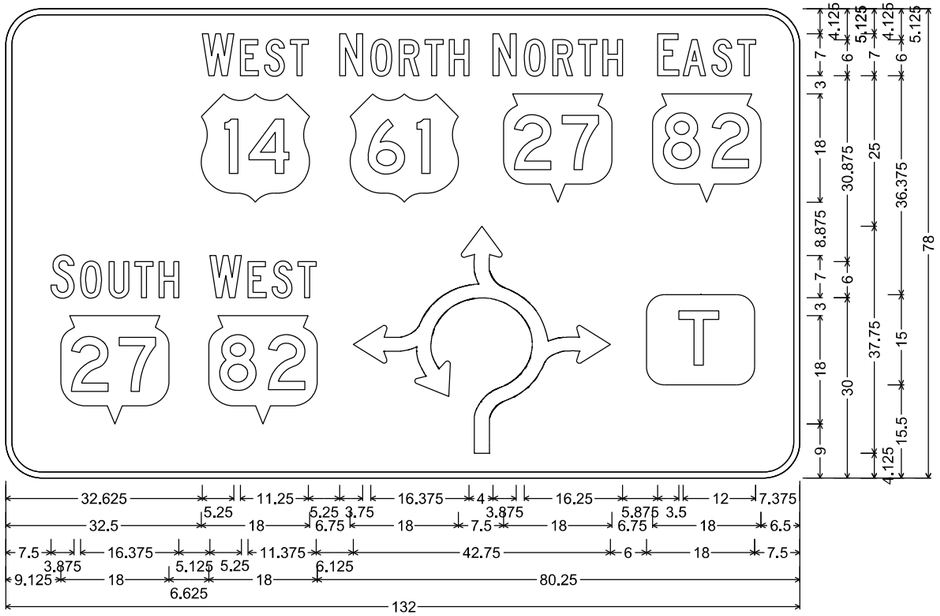
TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6

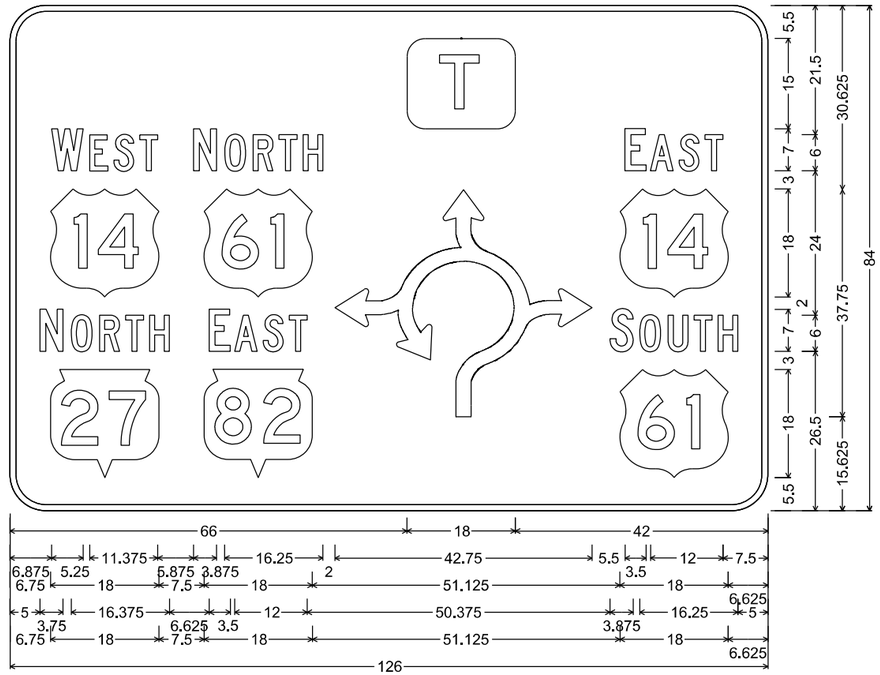
SDD 15D51 - 01



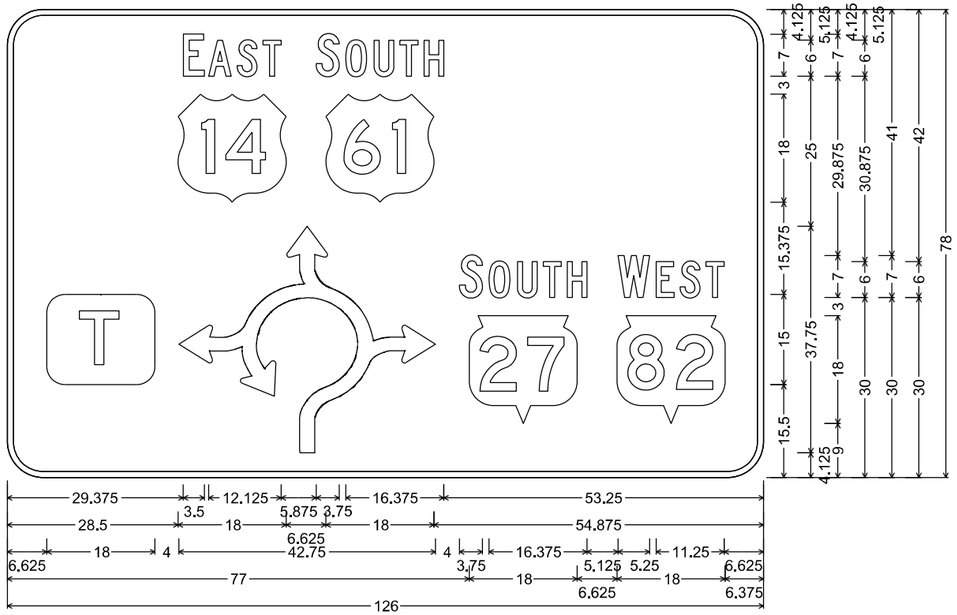
D1-62;
6.000" Radius, 1.000" Border, White on Green;
"WEST", C; "NORTH", C; "NORTH", C; "EAST", C; "SOUTH", C; "WEST", C;

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



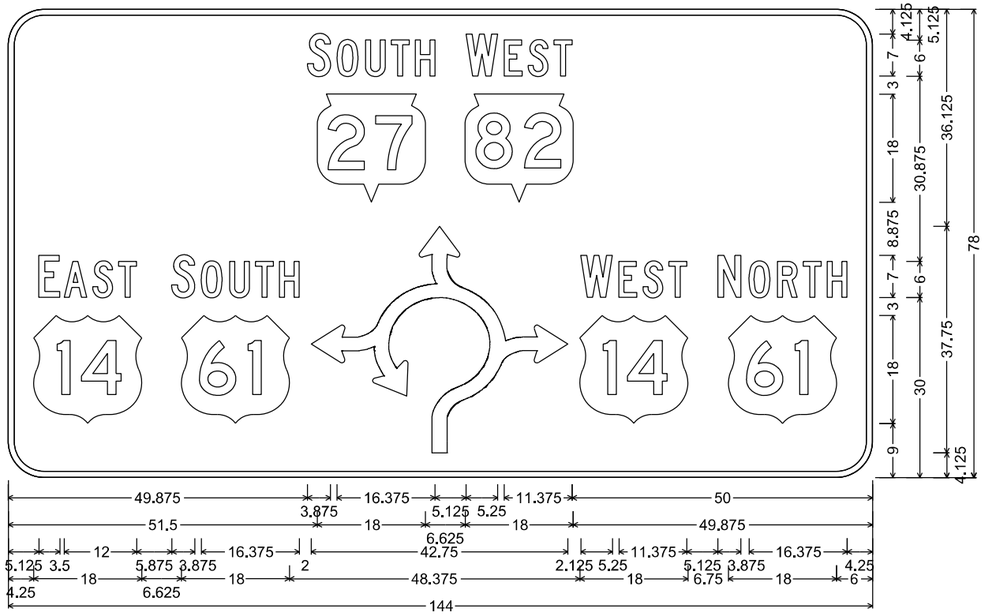
D1-62;
6.000" Radius, 1.000" Border, White on Green;
"WEST", C; "NORTH", C; "NORTH", C; "EAST", C; "EAST", C; "SOUTH", C;



D1-62;
6.000" Radius, 1.000" Border, White on Green;
"EAST", C; "SOUTH", C; "SOUTH", C; "WEST", C;

NOTES

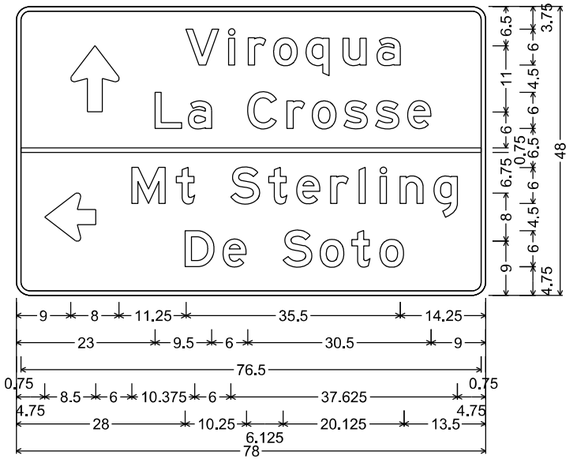
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



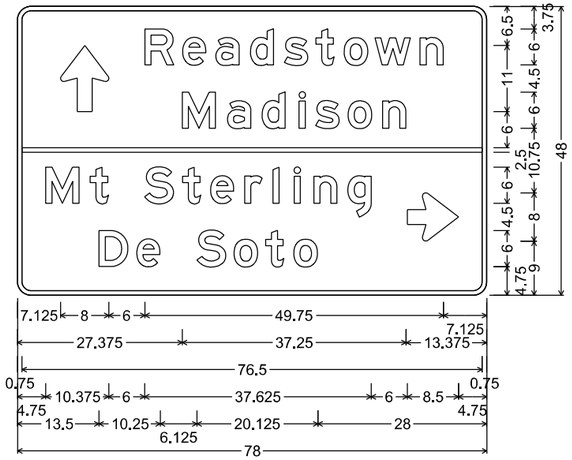
D1-62;
6.000" Radius, 1.000" Border, White on Green;
"SOUTH", C; "WEST", C; "EAST", C; "SOUTH", C; "WEST", C; "NORTH", C;

7

7



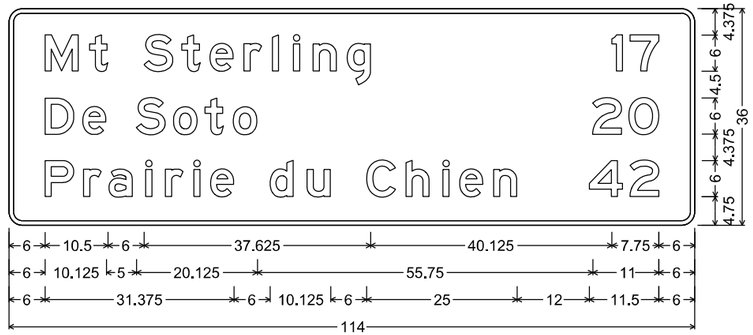
D1-4; 2.250" Radius, 0.750" Border



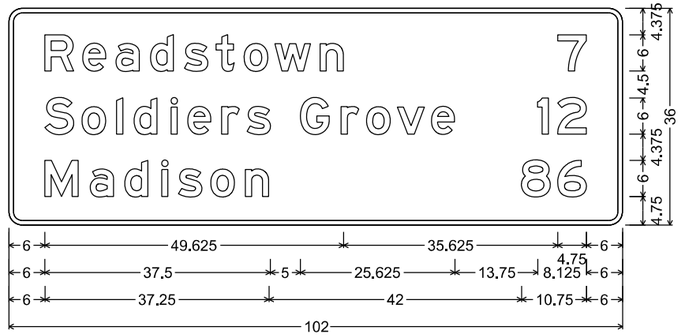
D1-4; 2.250" Radius, 0.750" Border

NOTES

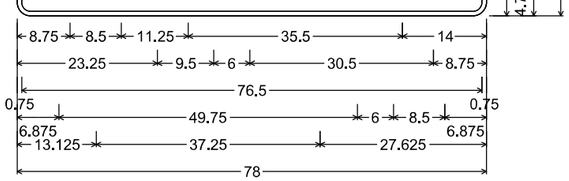
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted



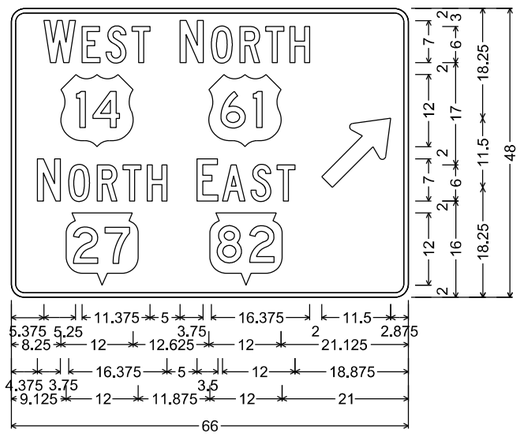
D2-3; 2.250" Radius, 0.750" Border



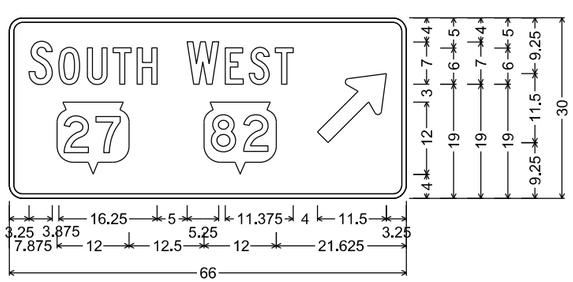
D2-3; 2.250" Radius, 0.750" Border



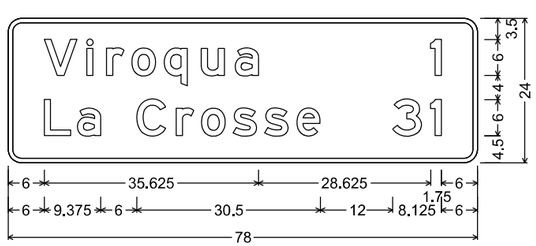
D1-4; 2.250" Radius, 0.750" Border



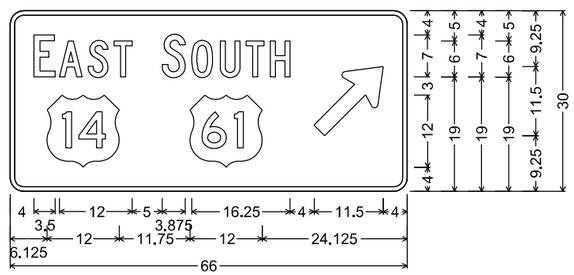
D1-2; 2.250" Radius, 0.750" Border
"WEST", C; "NORTH", C; "NORTH", C; "EAST", C



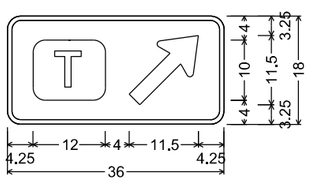
D1-2; 2.250" Radius, 0.750" Border
"SOUTH", C; "WEST", C



D2-2; 2.250" Radius, 0.750" Border

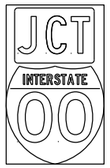


D1-2; 2.250" Radius, 0.750" Border
"EAST", C; "SOUTH", C

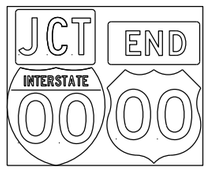


D1-1; 2.250" Radius, 0.750" Border

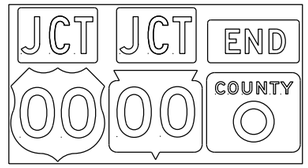
TYPICAL ASSEMBLIES



J1-1



J1-2



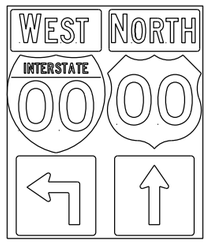
J1-3



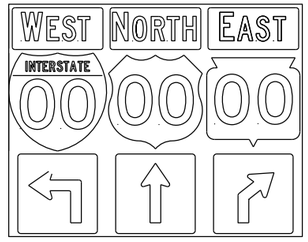
JR1-1



J2-1



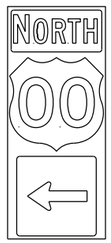
J2-2



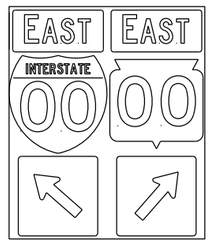
J2-3



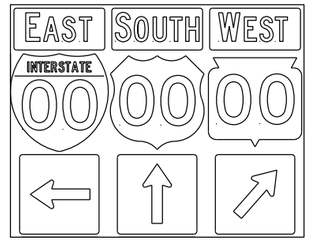
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



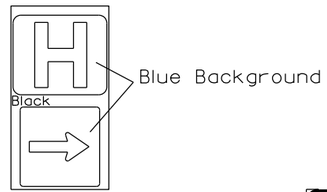
J3-1



J3-2



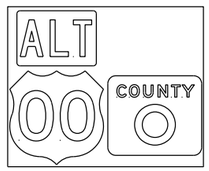
J3-3



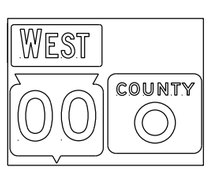
JH-1



J4-1



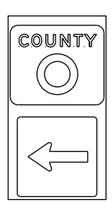
J4-2



J4-2



J12-1



J13-1



J32-1



J33-1



J22-1



J23-1



JR13-1

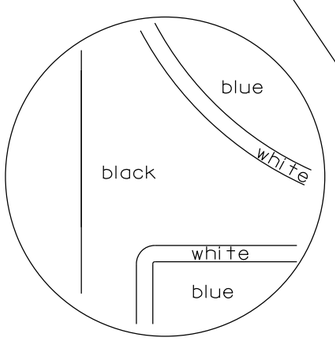


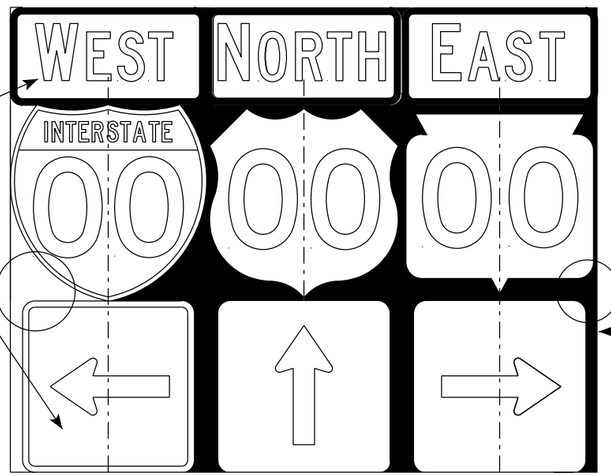
JR23-1

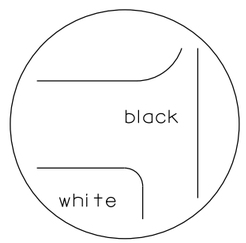


JR99-1

[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

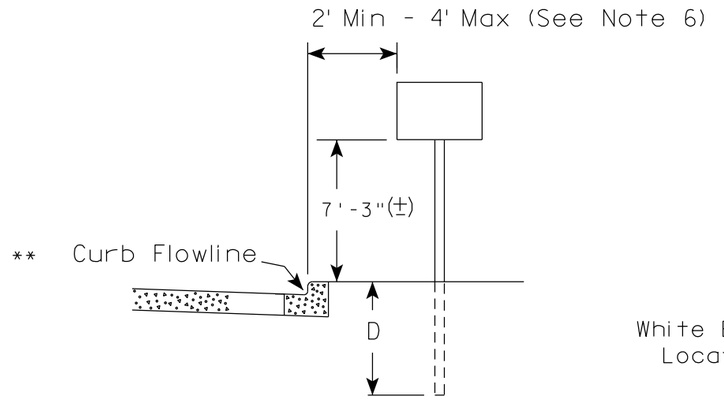
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

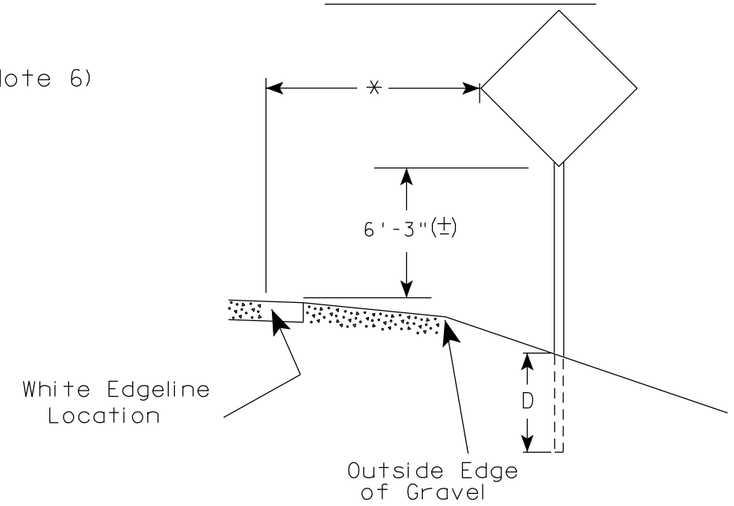
PROJECT NO:

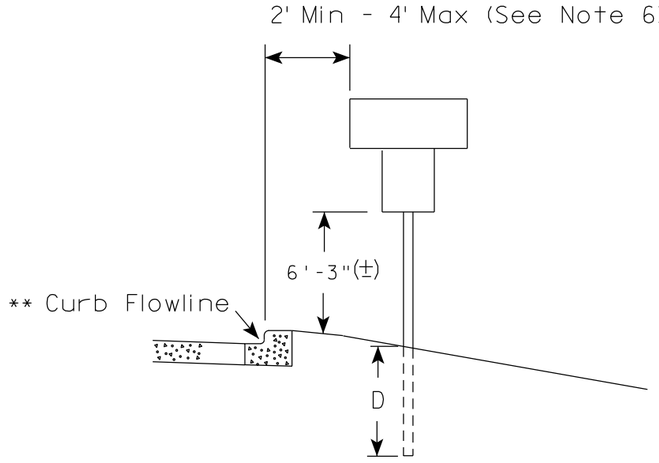
SHEET NO: 276 **E**

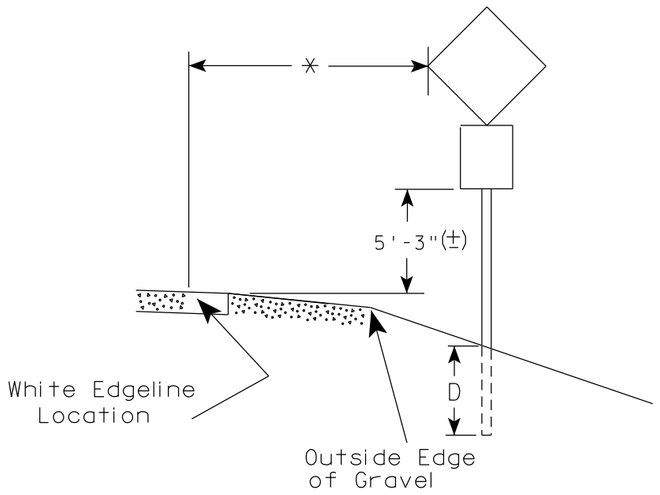
URBAN AREA



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.

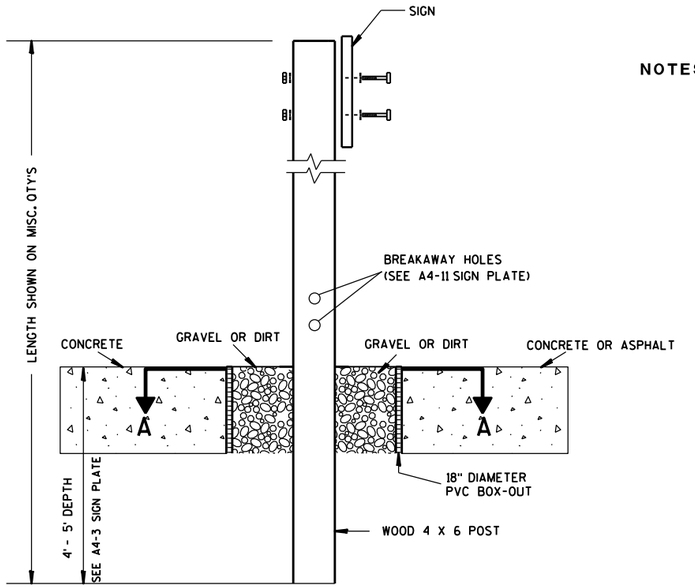
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

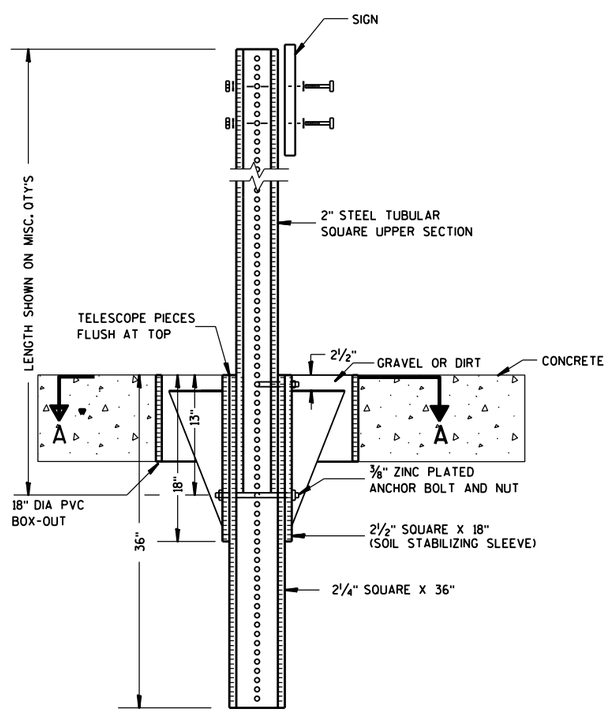
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E



ELEVATION VIEW

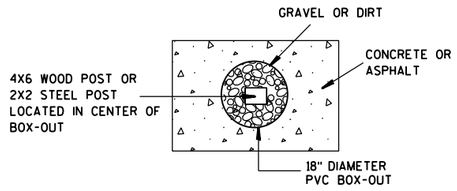
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

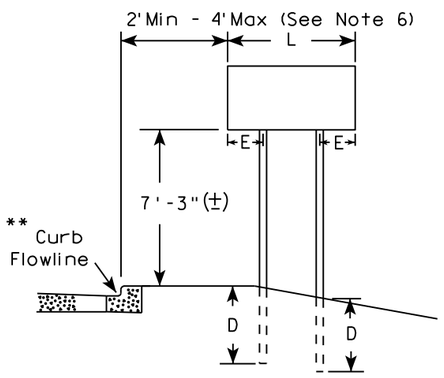
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

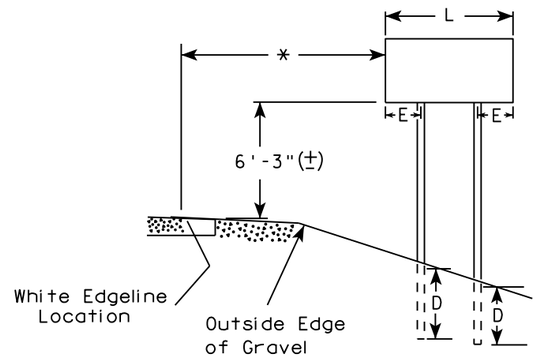
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

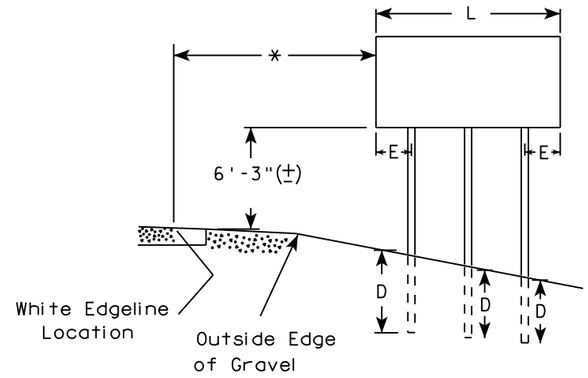
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

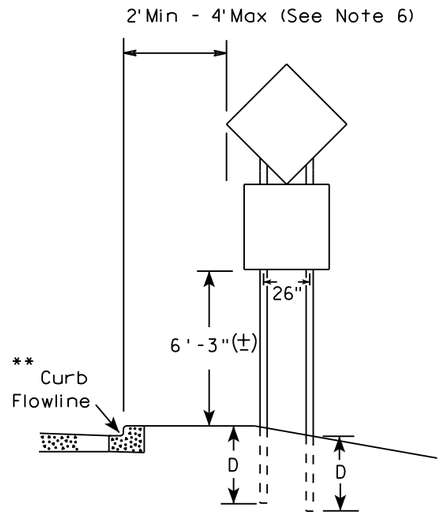
URBAN AREA



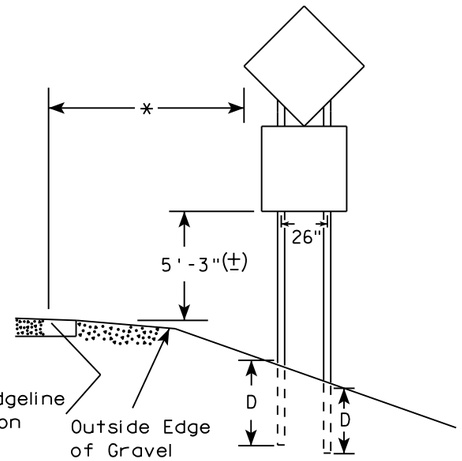
RURAL AREA (See Note 3)







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'

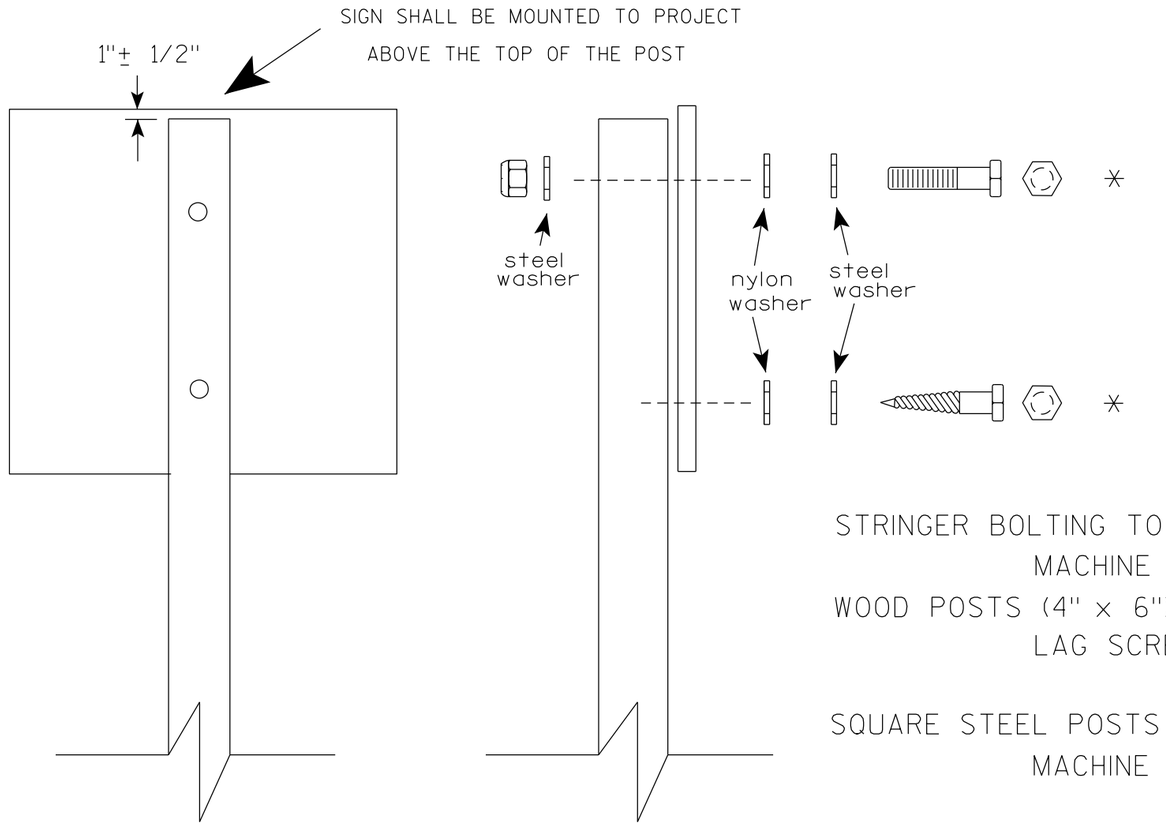
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 279	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

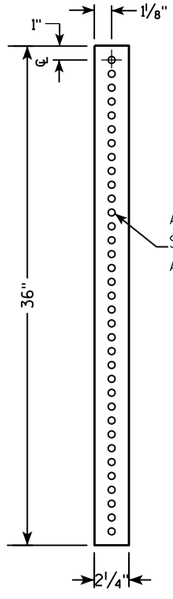
SHEET NO: 280 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

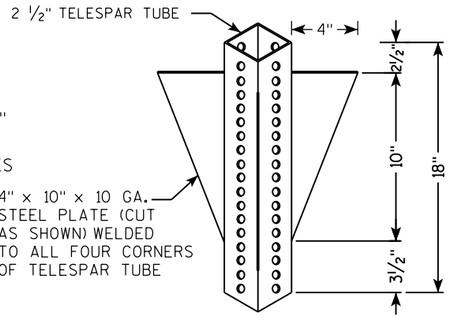
WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

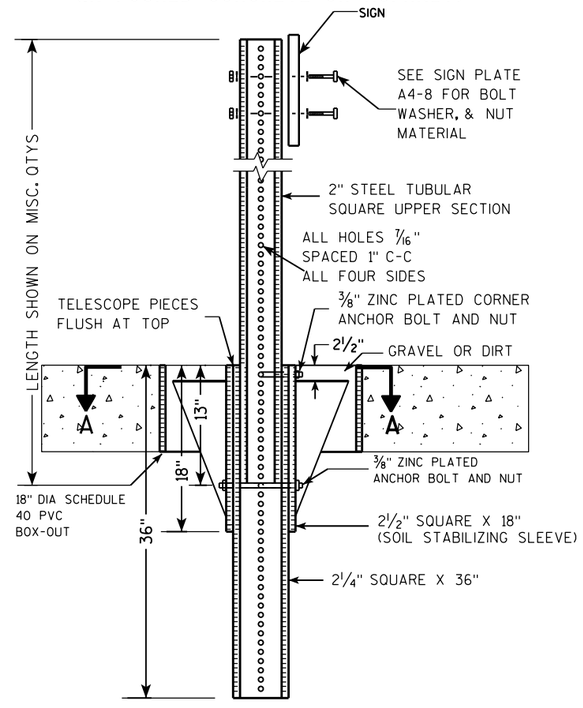
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



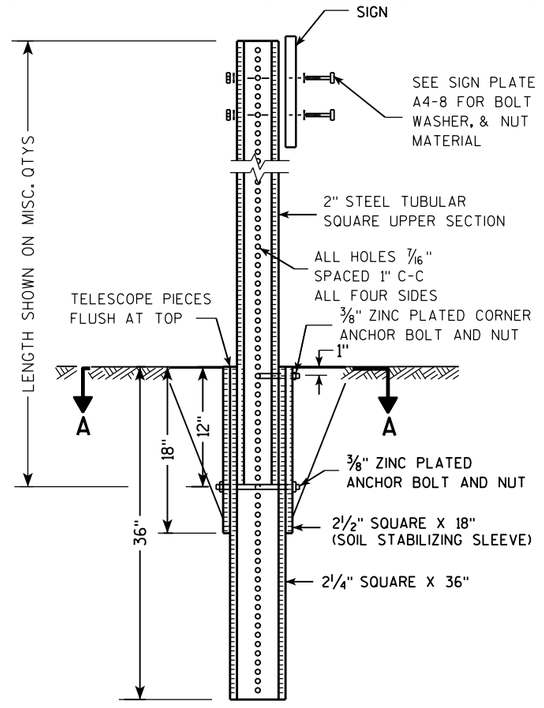
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

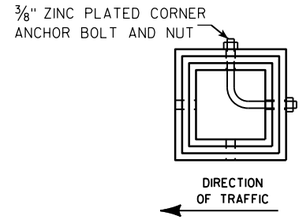


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

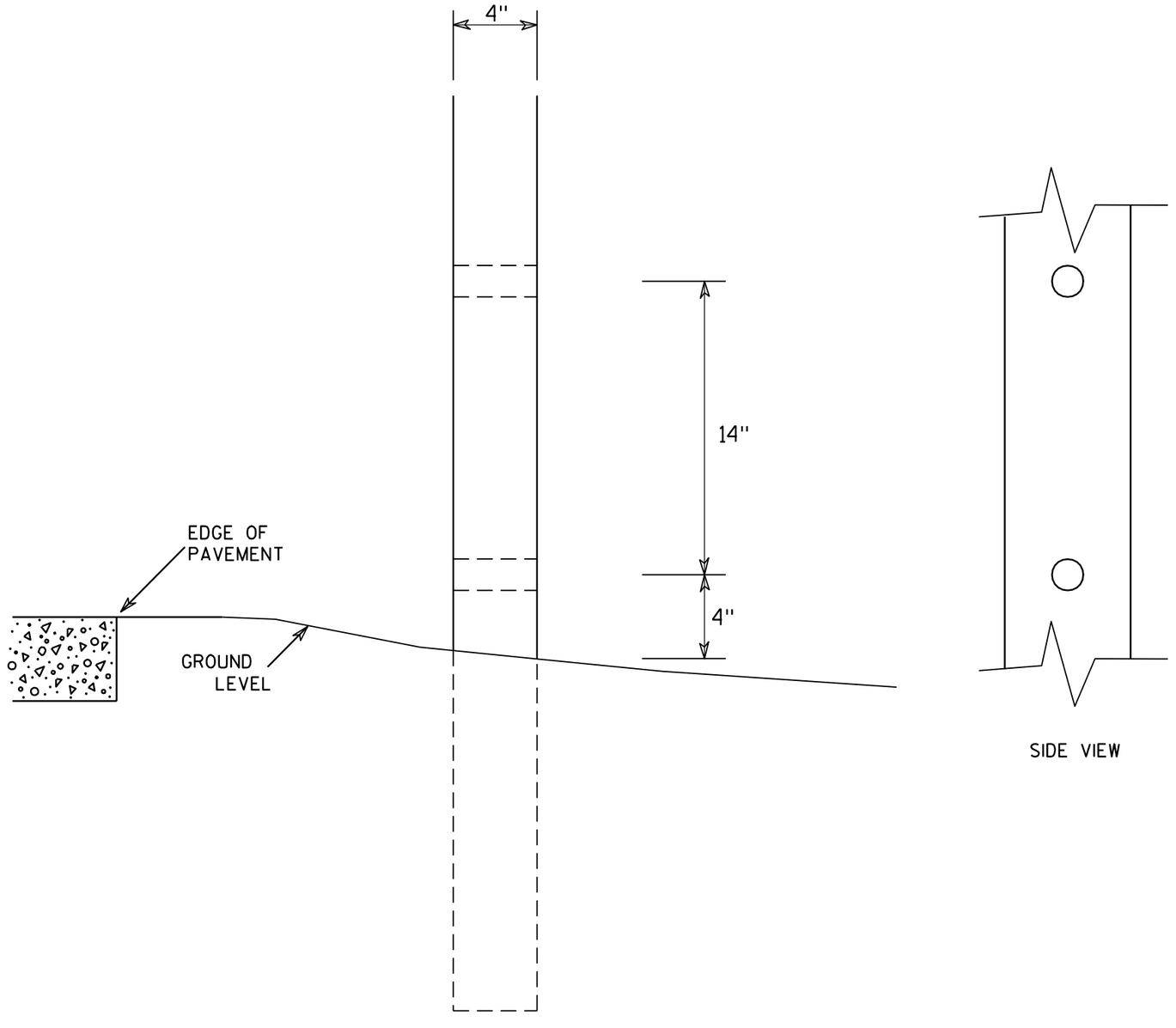
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

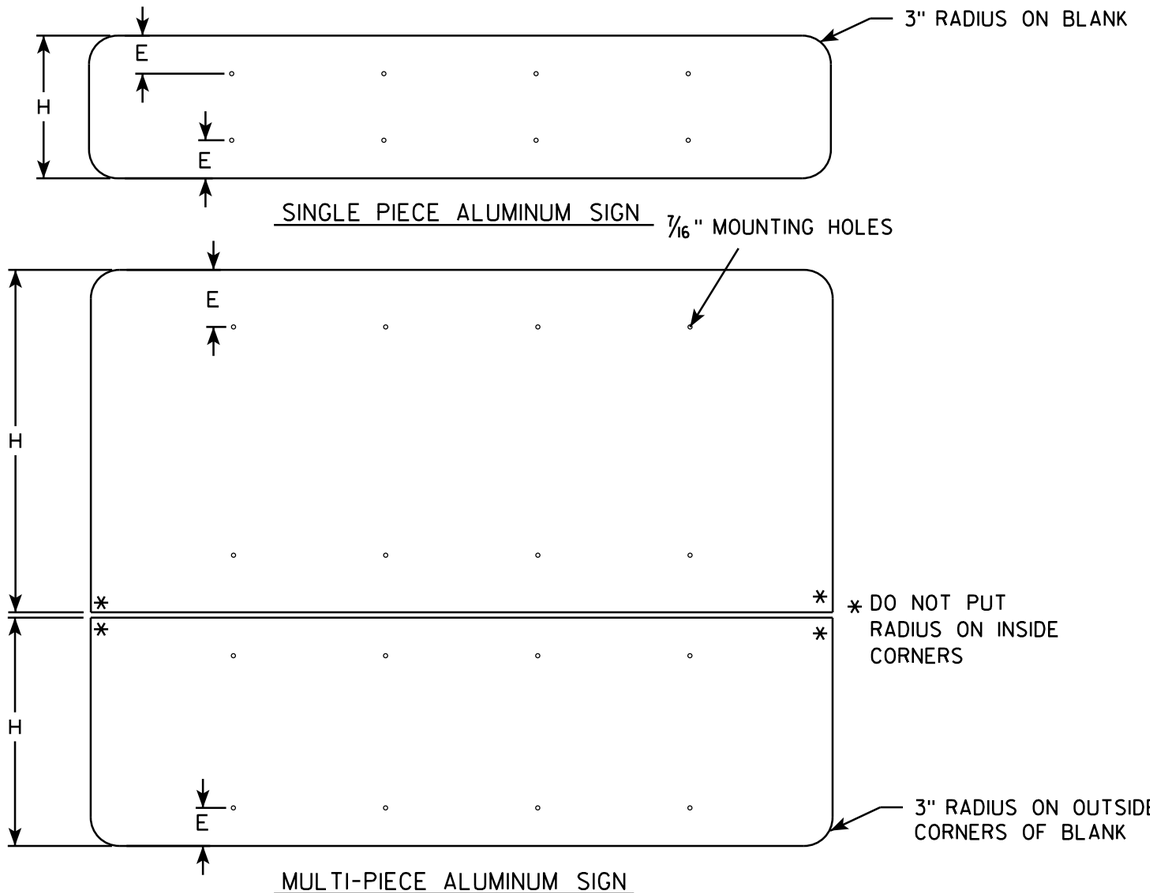
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

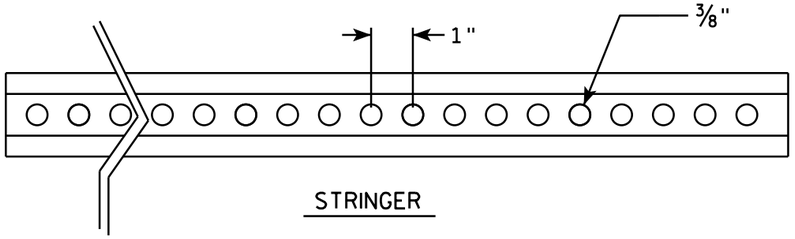
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 282	E



GENERAL NOTES

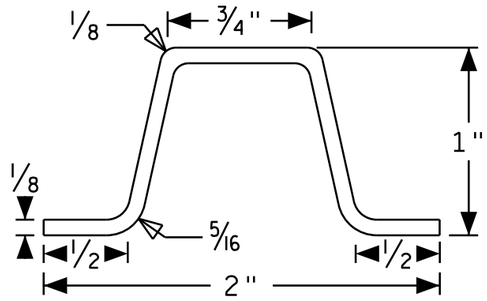
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

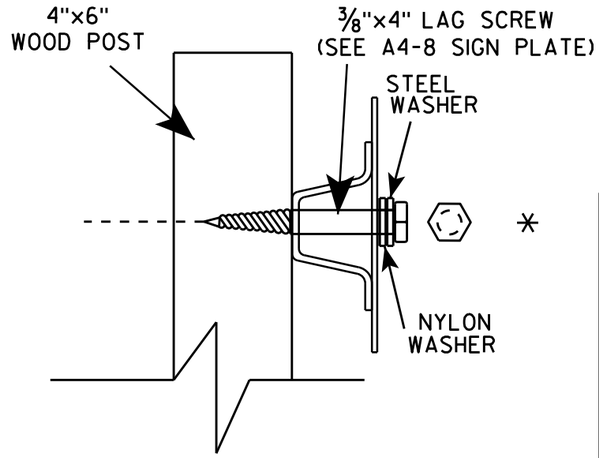


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

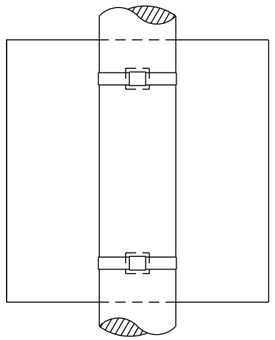
DATE 4/26/16 PLATE NO A4-18.1

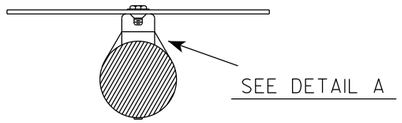
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

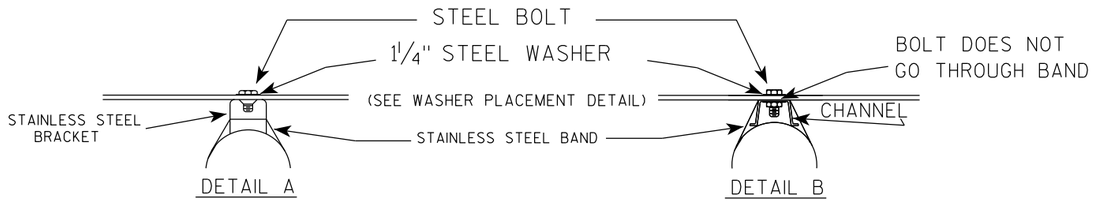
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BANDING

SINGLE SIGN



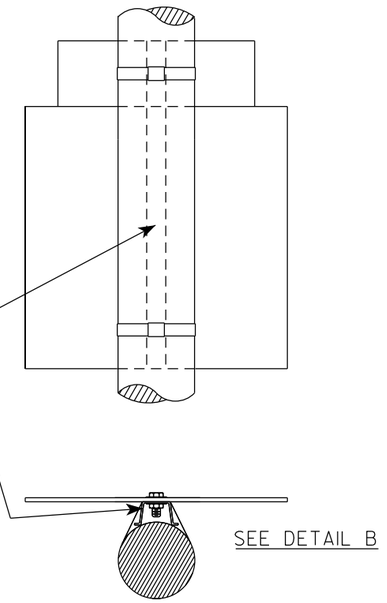




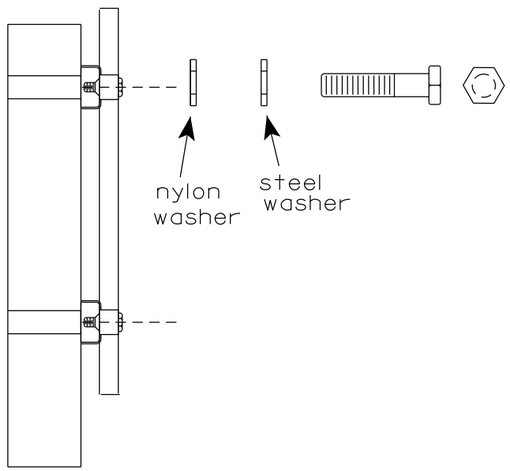
GENERAL NOTES

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

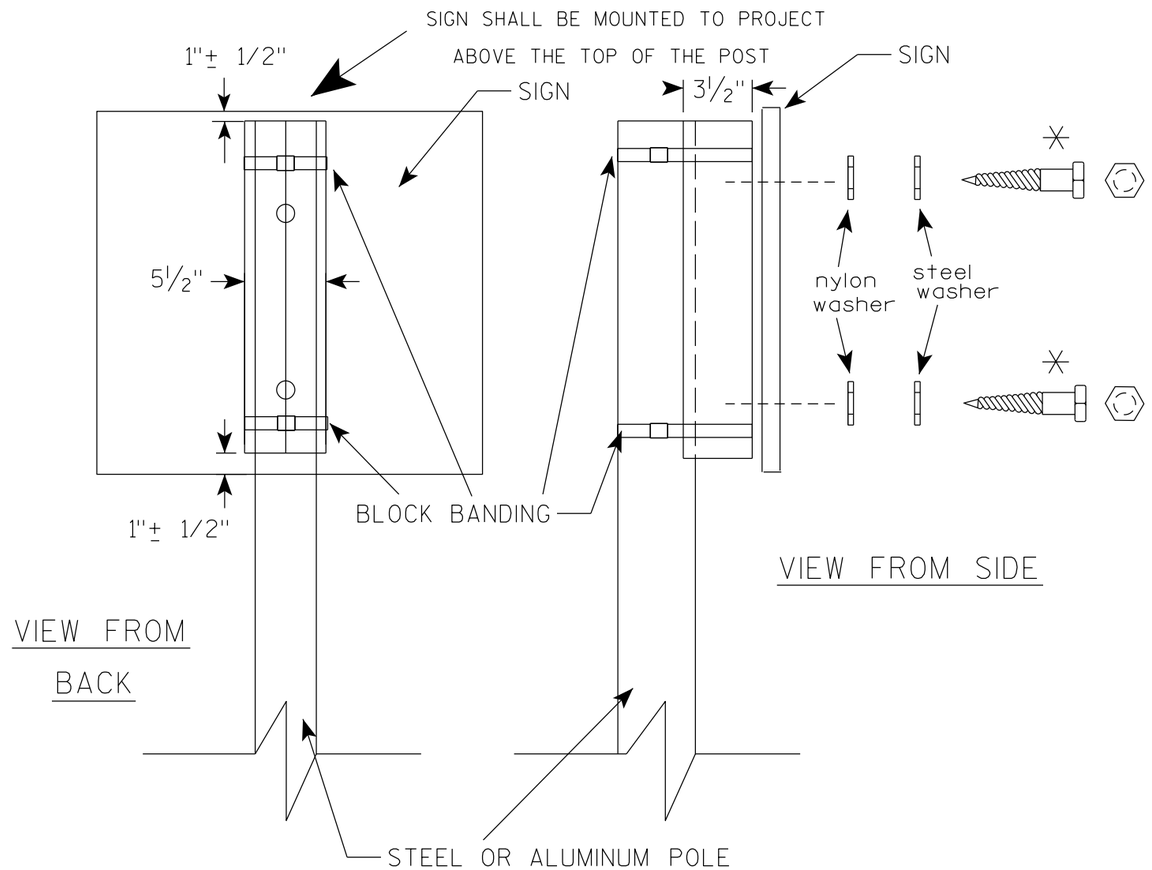
DATE 6/10/19 PLATE NO. A5-9.4

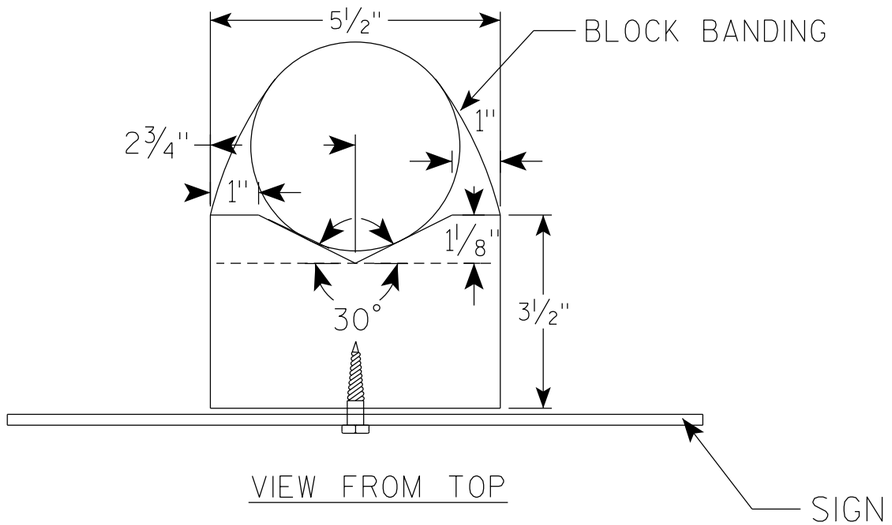
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 284	E

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)

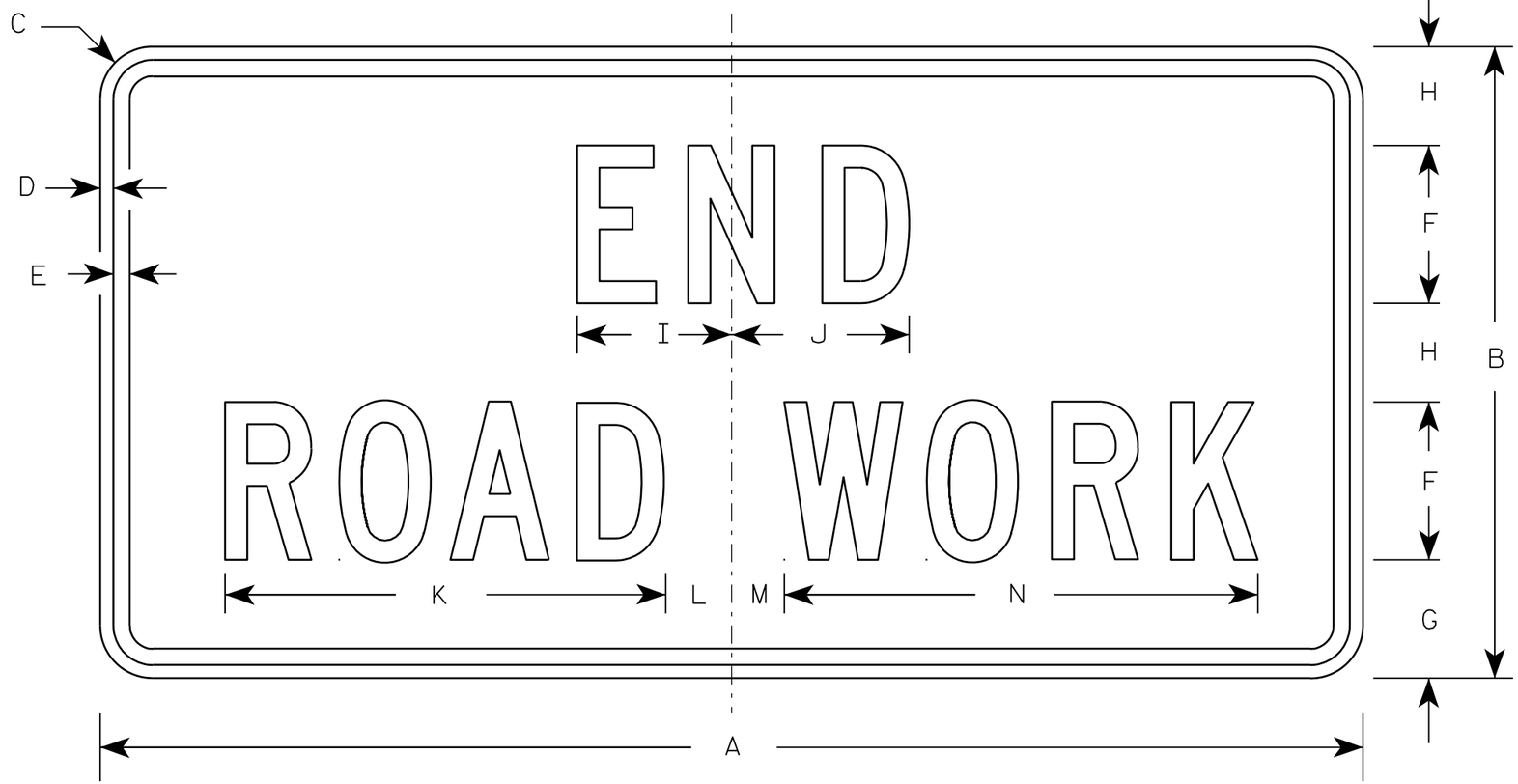
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 285 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

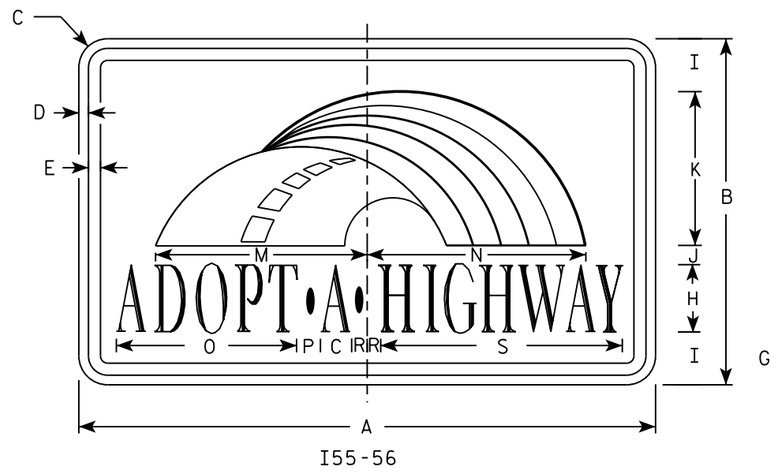
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

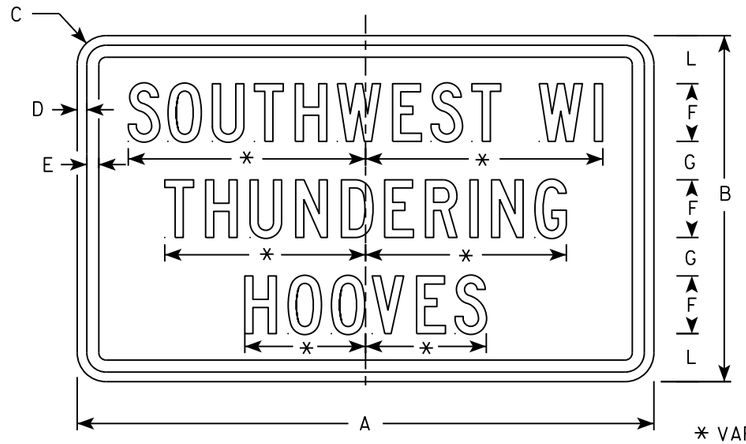
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 286	E



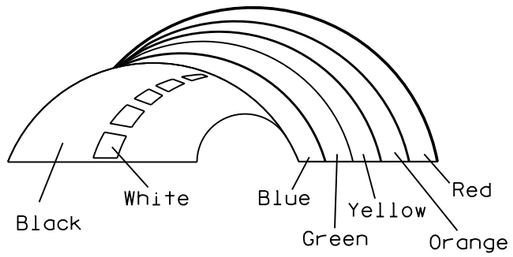
I55-56



I55-56P

* VARIES

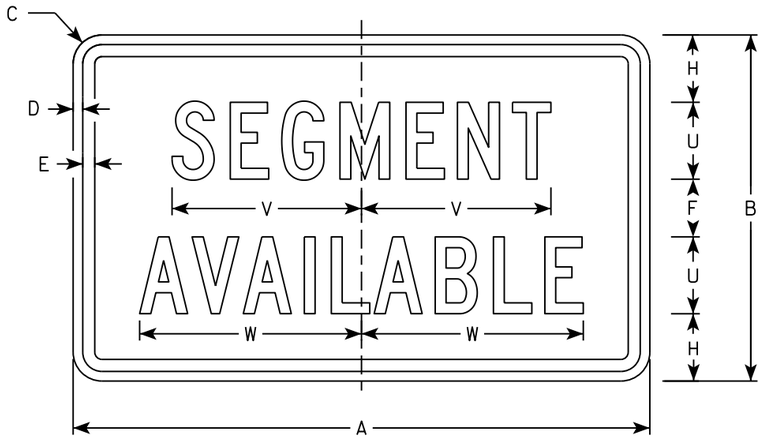
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

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	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

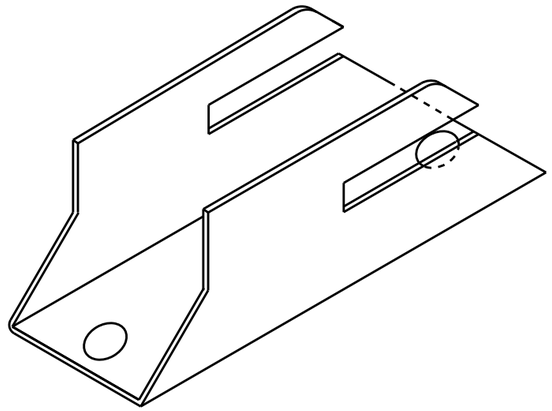
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

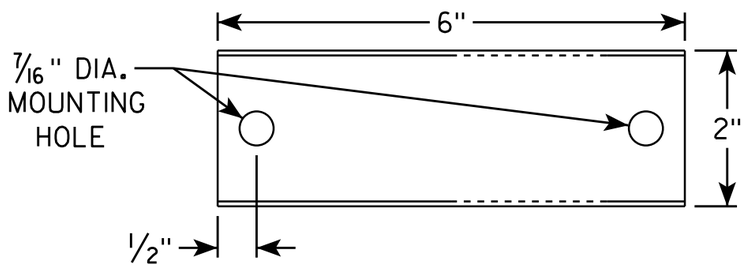
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E

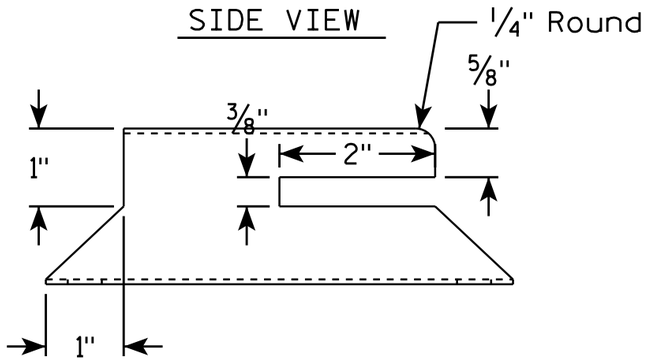
ISOMETRIC VIEW



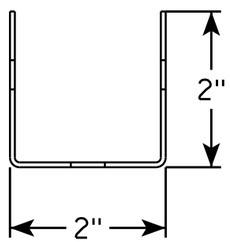
TOP VIEW



SIDE VIEW



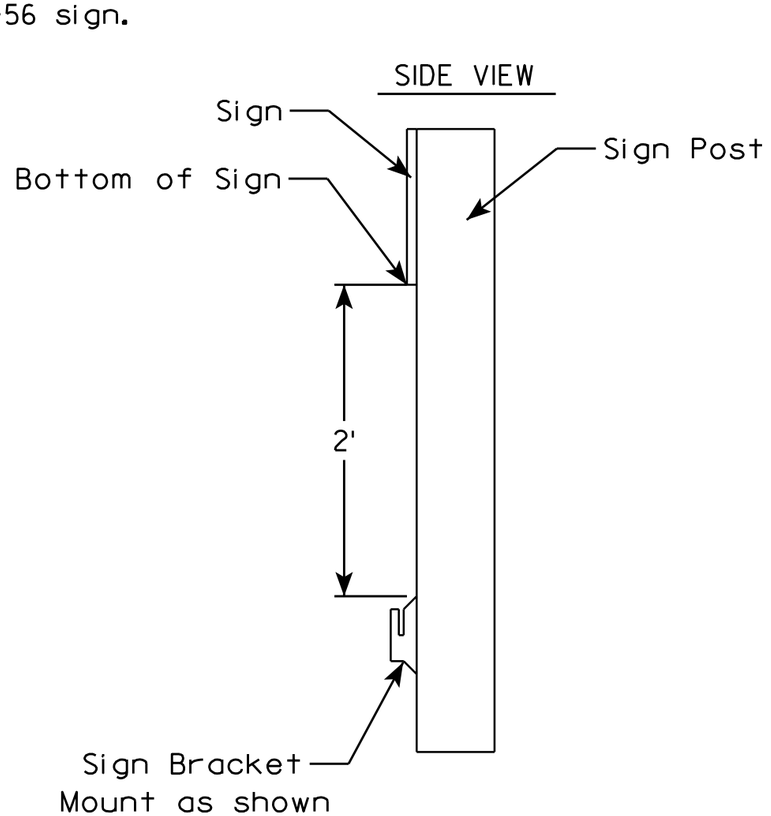
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

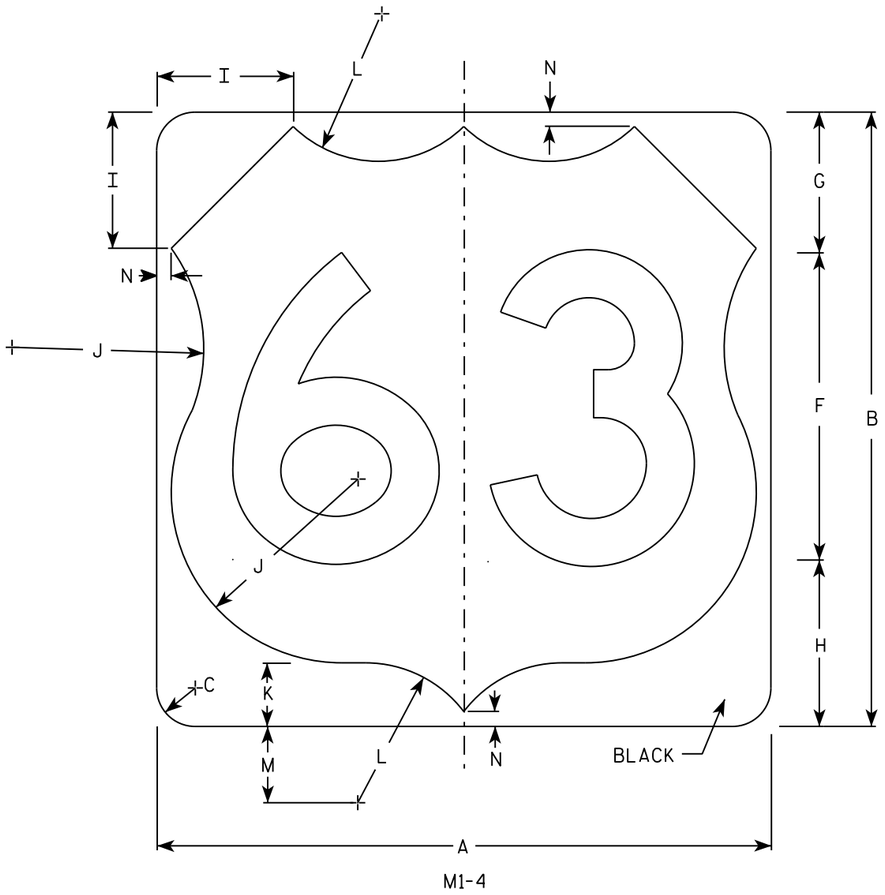
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/16 PLATE I55-56B.2

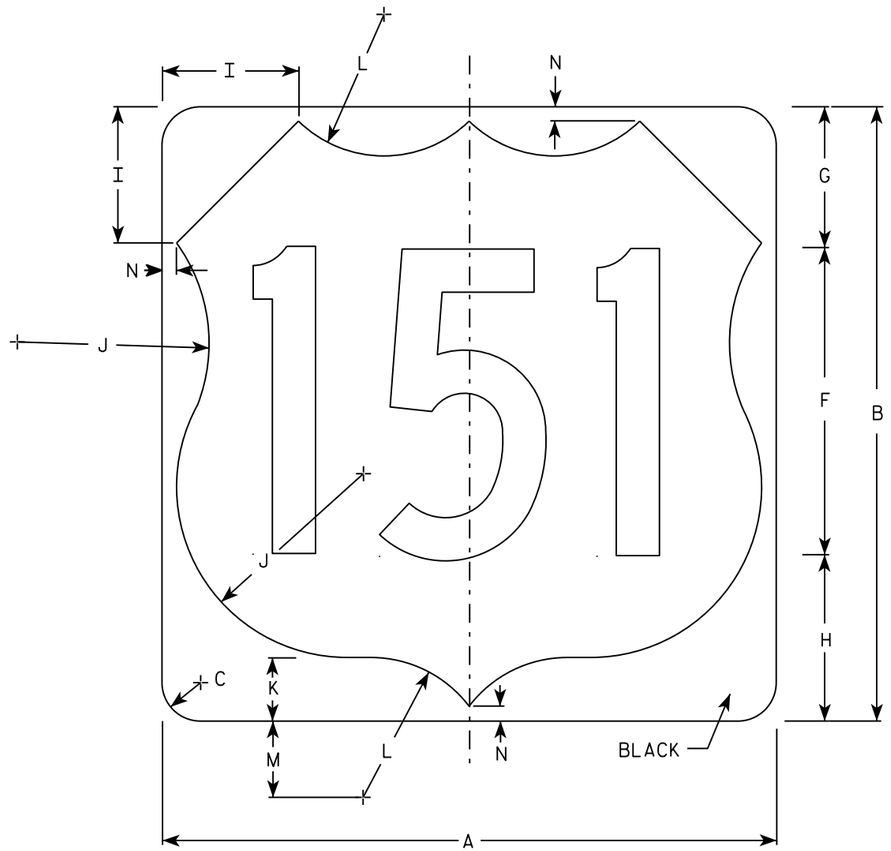
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

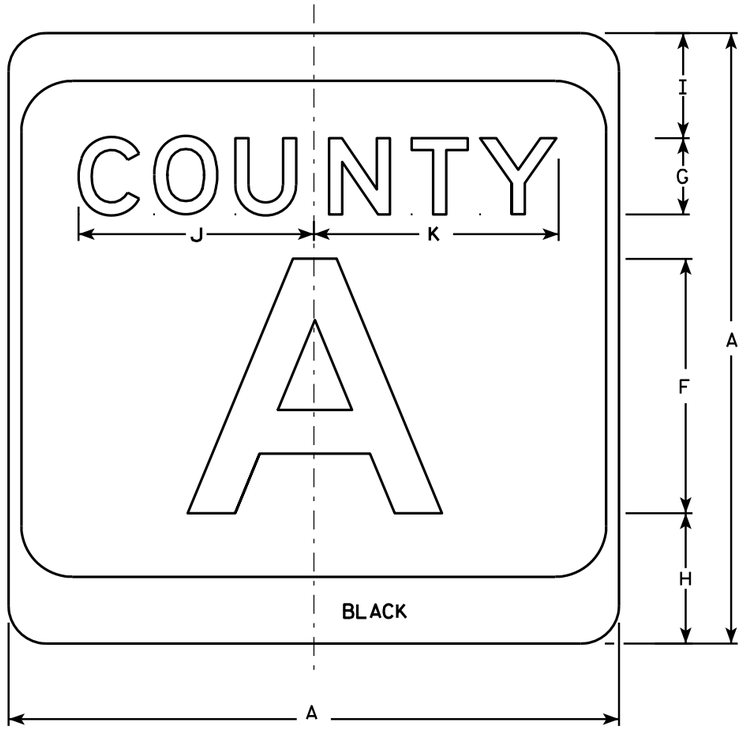
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

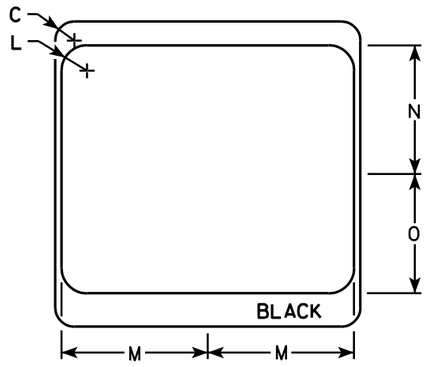
APPROVED Matthew R Rauch
for State Traffic Engineer

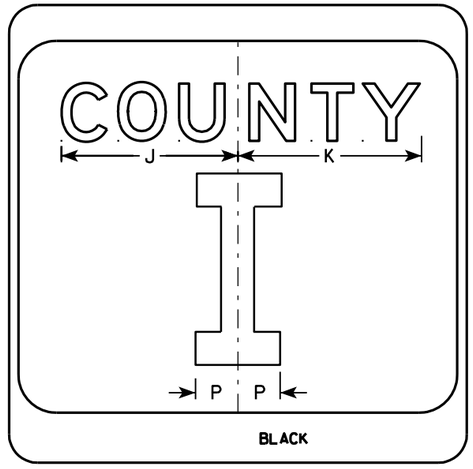
DATE 3/16/18 PLATE NO. M1-4.10

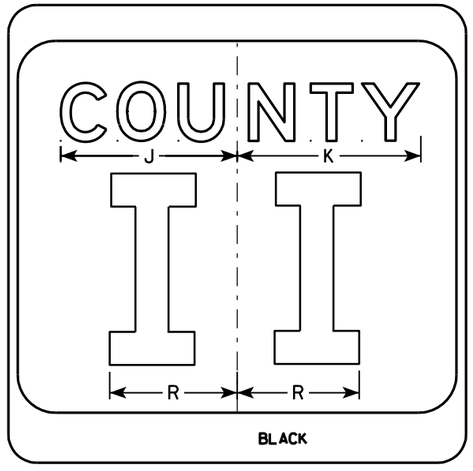
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

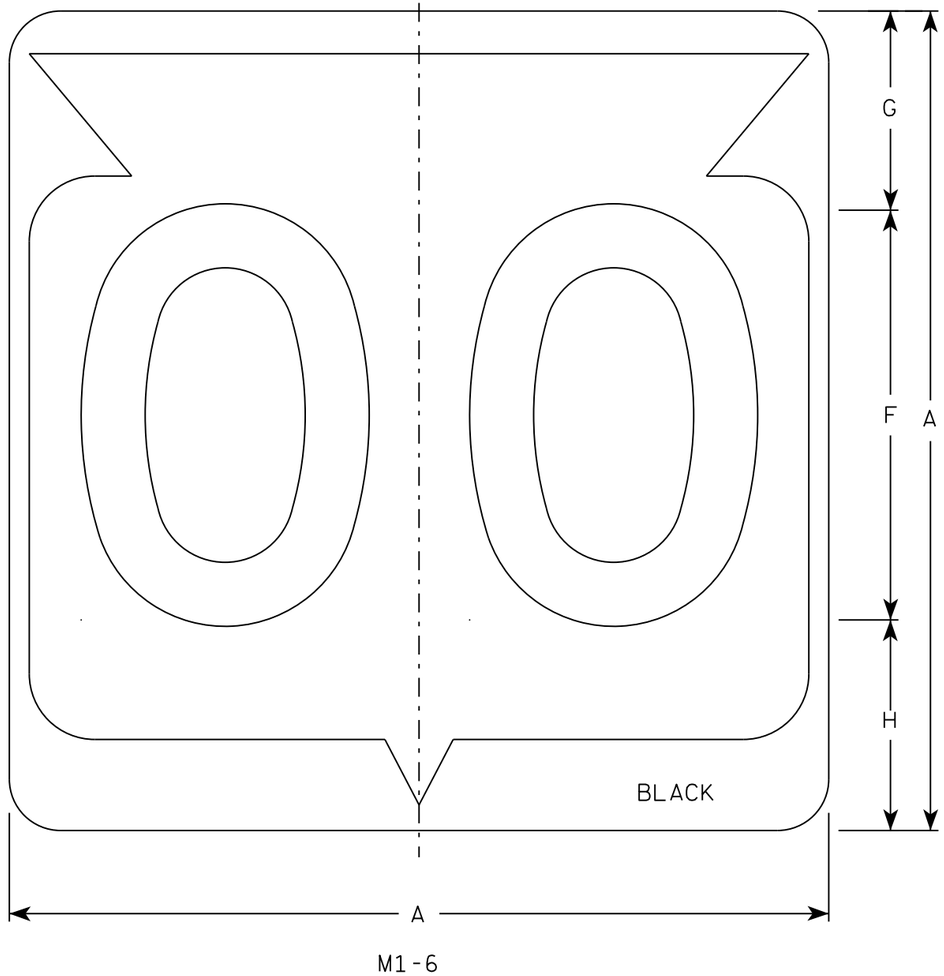
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

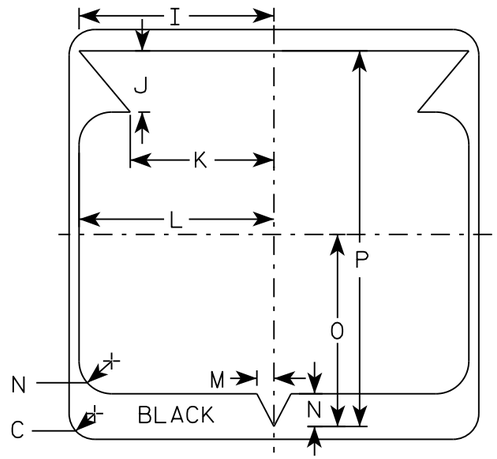
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 290 | E



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

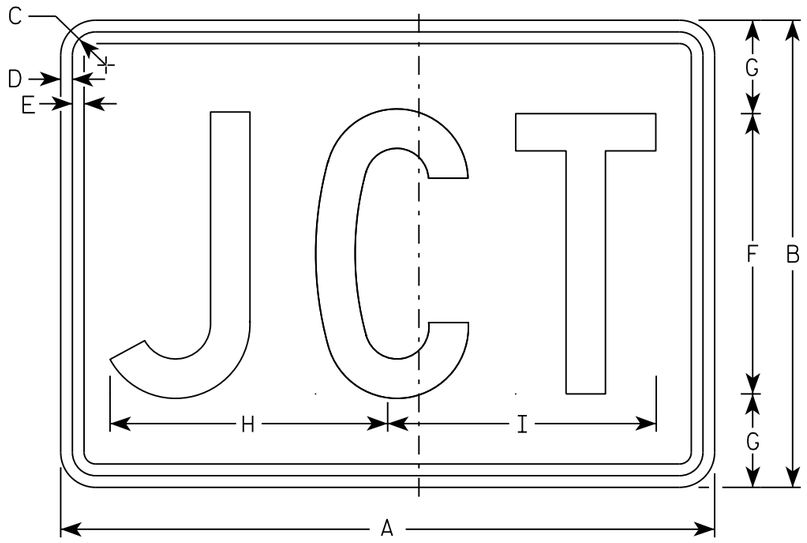
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

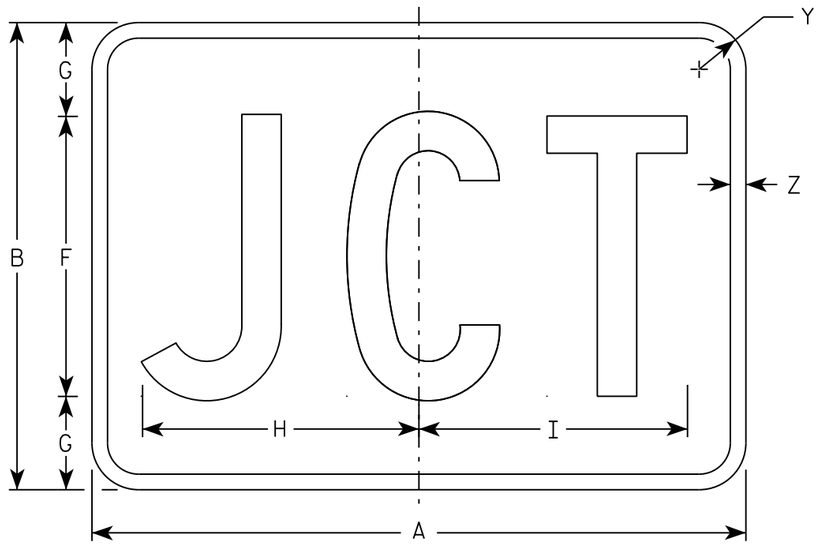
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

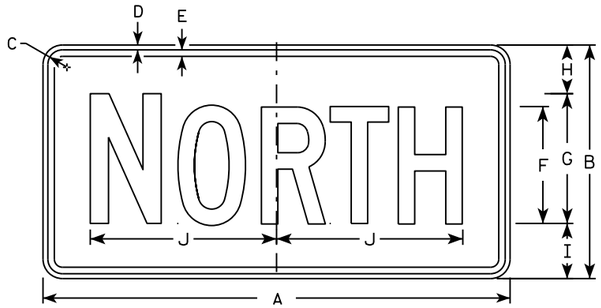
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

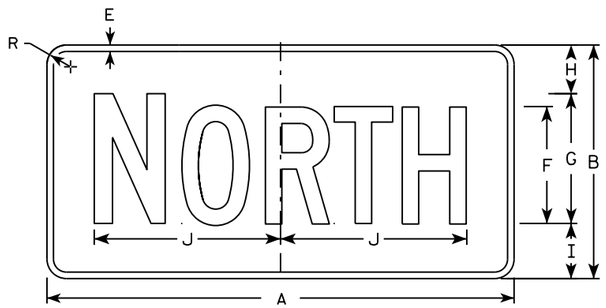
DATE 10/15/15 PLATE 292 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



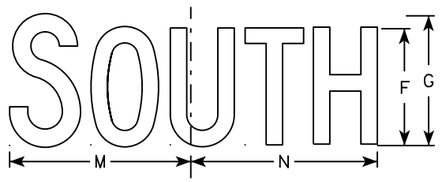
MB3-1
MK3-1
MN3-1



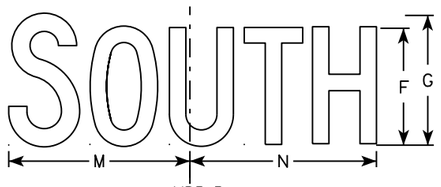
M3-2
MM3-2
MP3-2



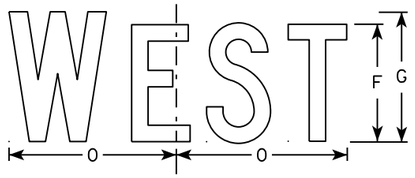
MB3-2
MK3-2
MN3-2



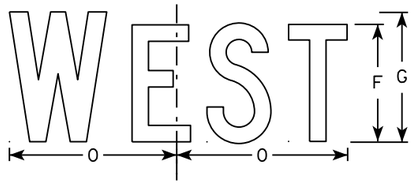
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

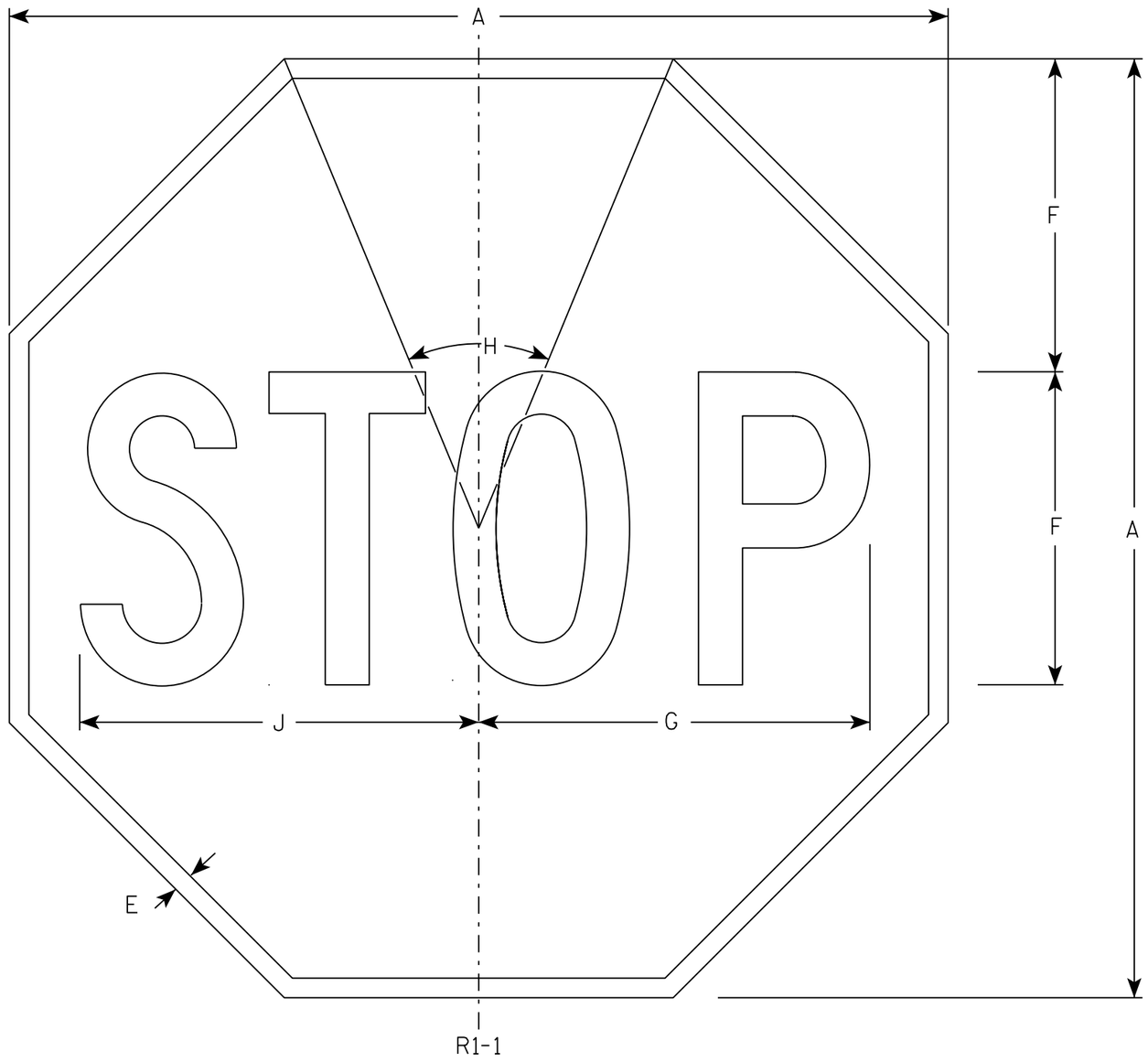
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



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

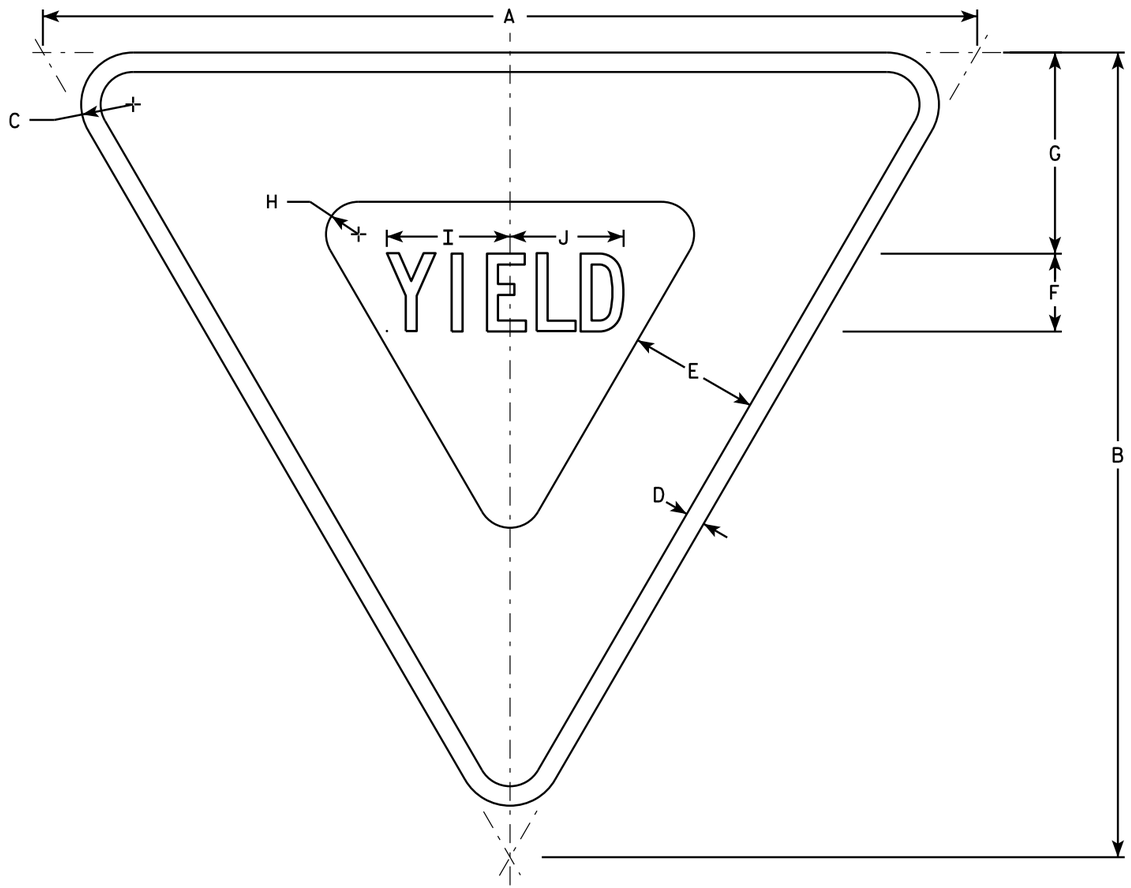
STANDARD SIGN
R1-1

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: 294	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

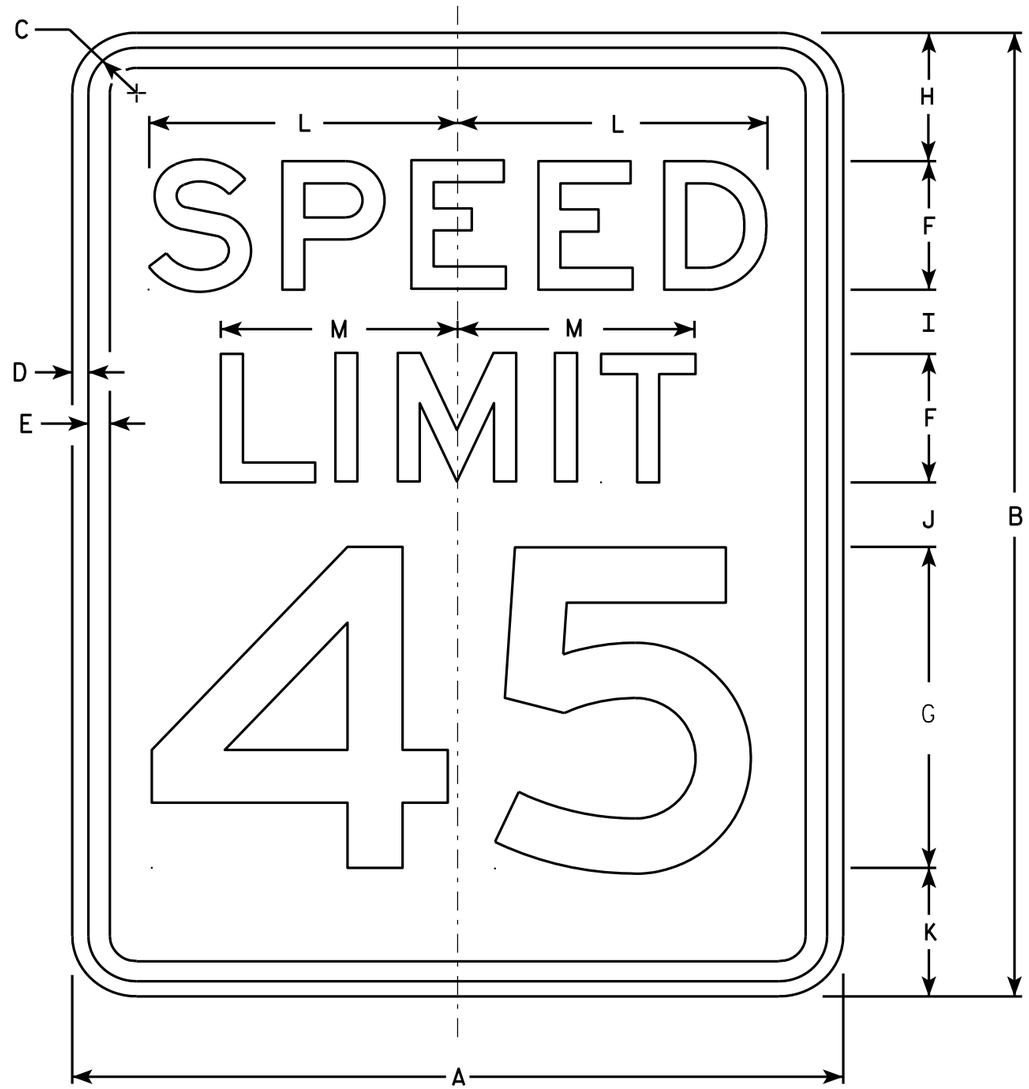
WISCONSIN DEPT OF TRANSPORTATION

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

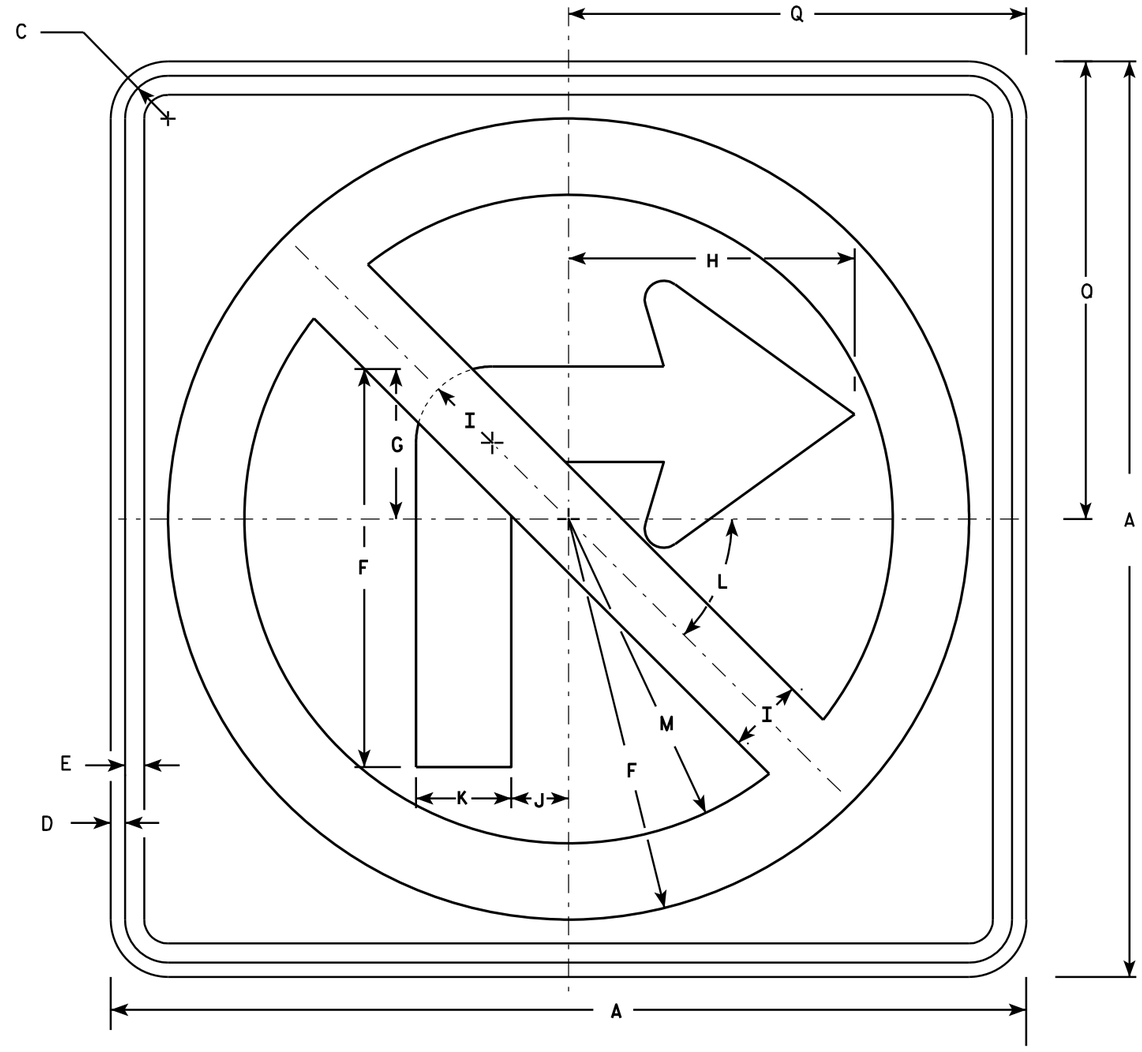
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

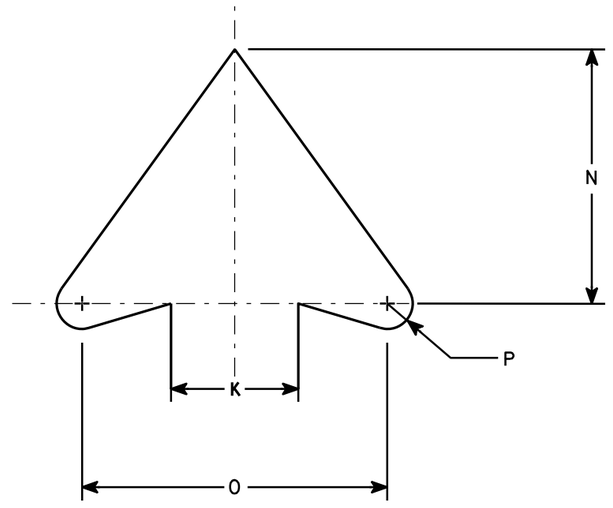
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

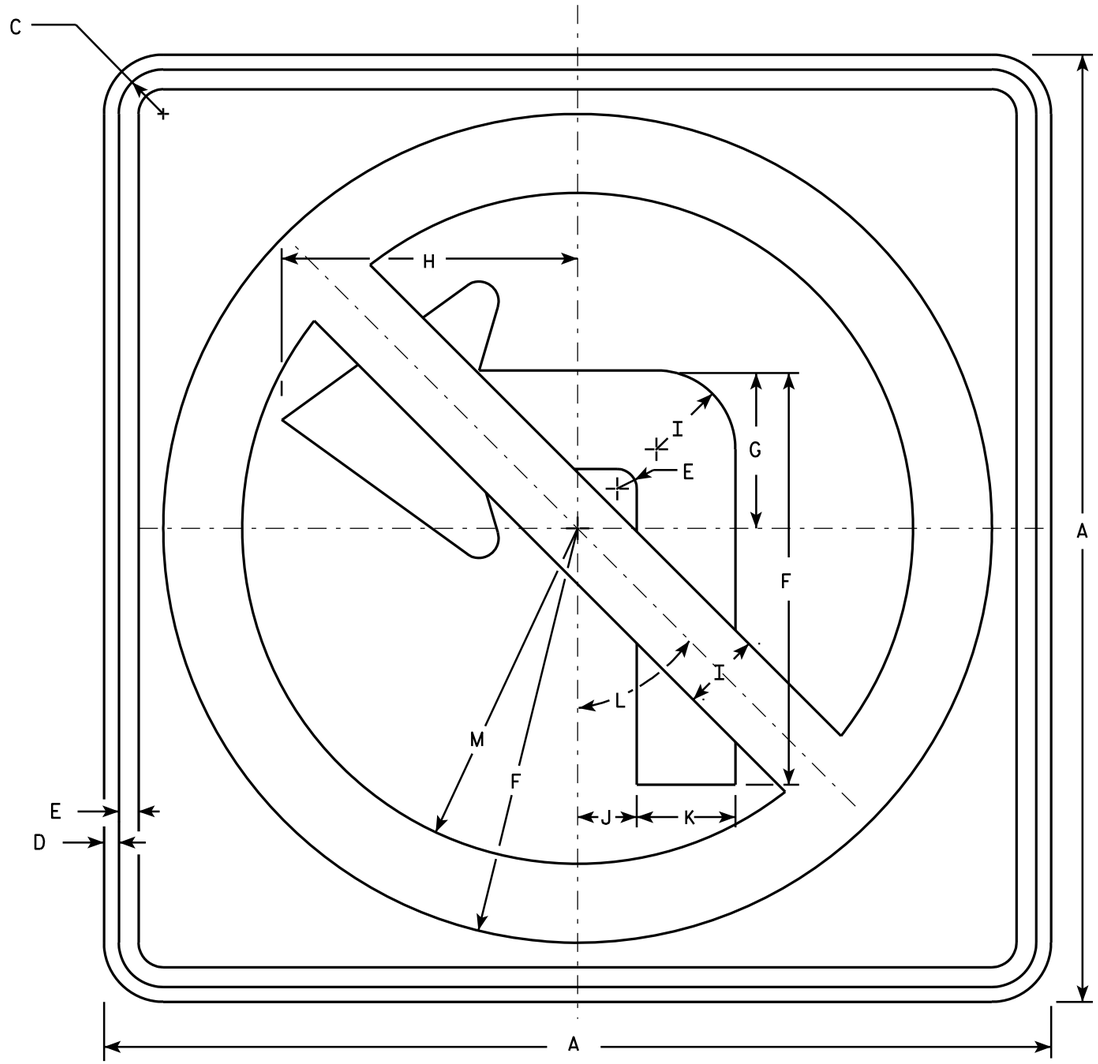
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

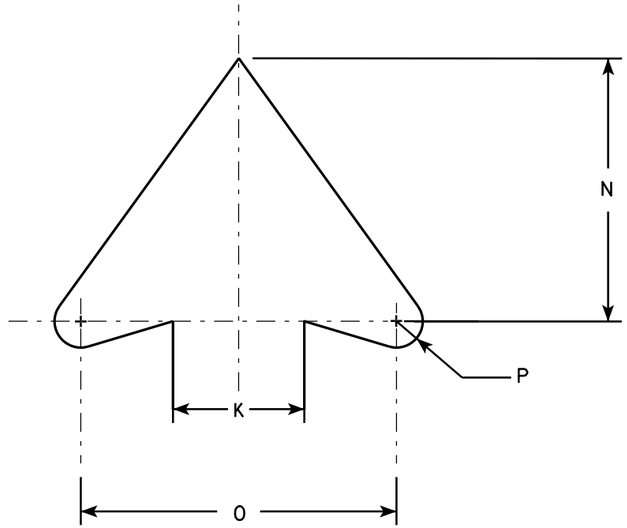
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 297	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

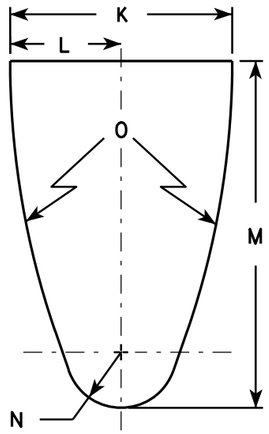
STANDARD SIGN
R3-2

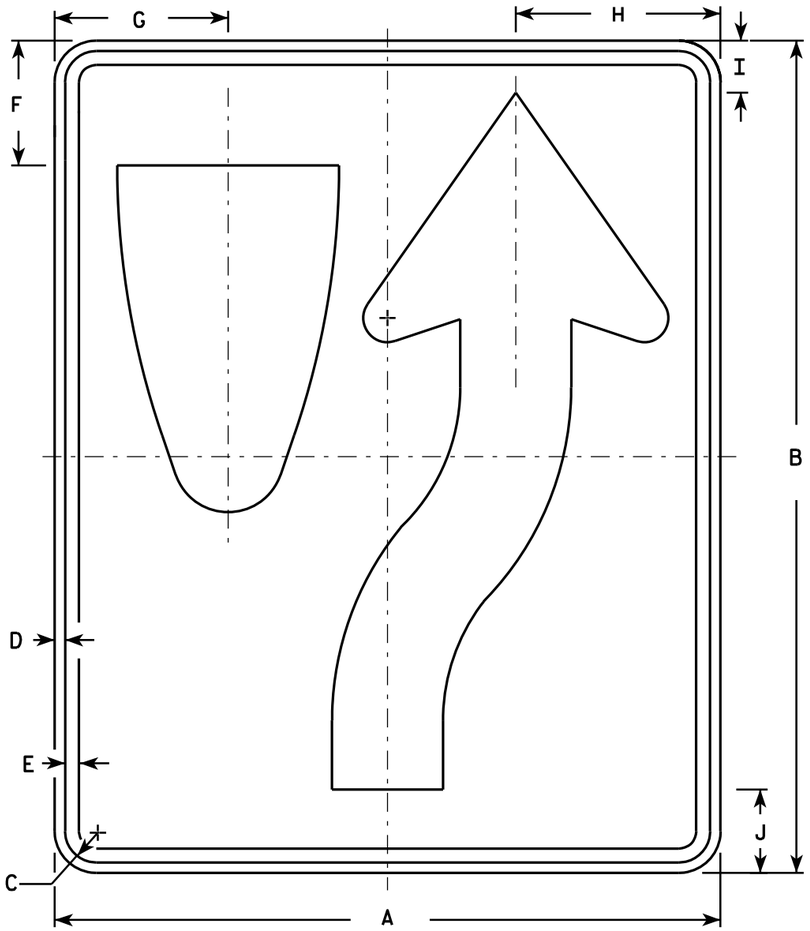
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E

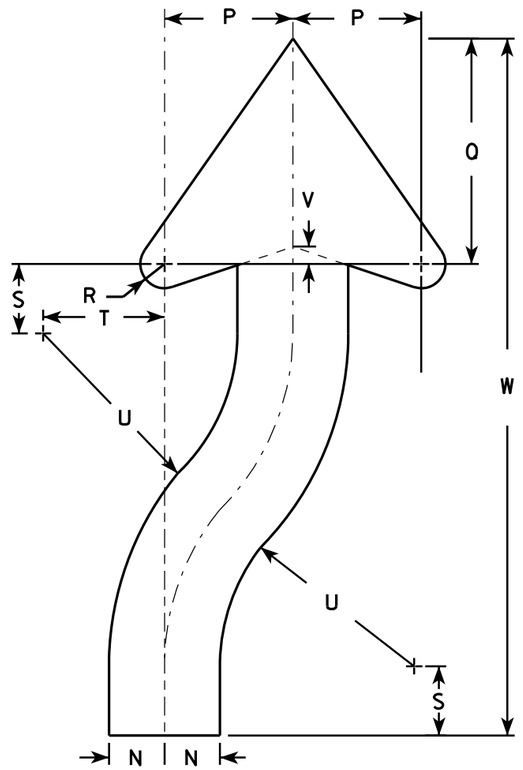




R4-7

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

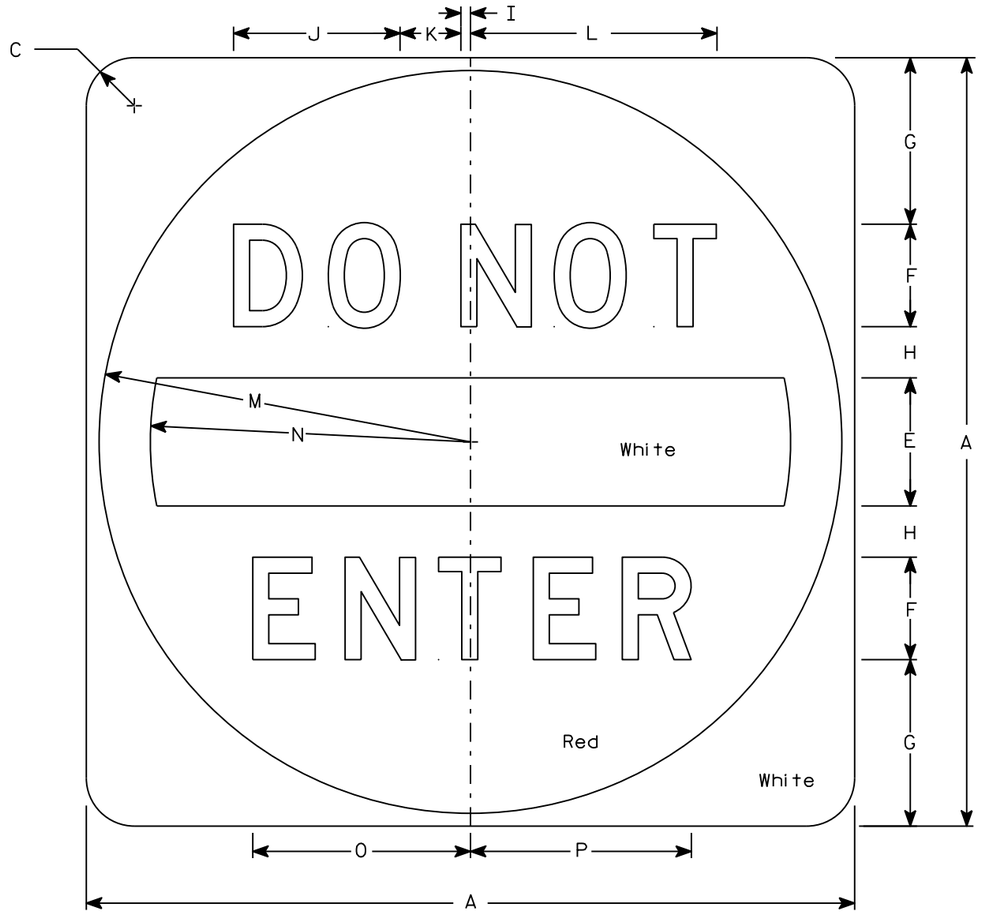
STANDARD SIGN
R4-7 & R4-8

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: 299	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

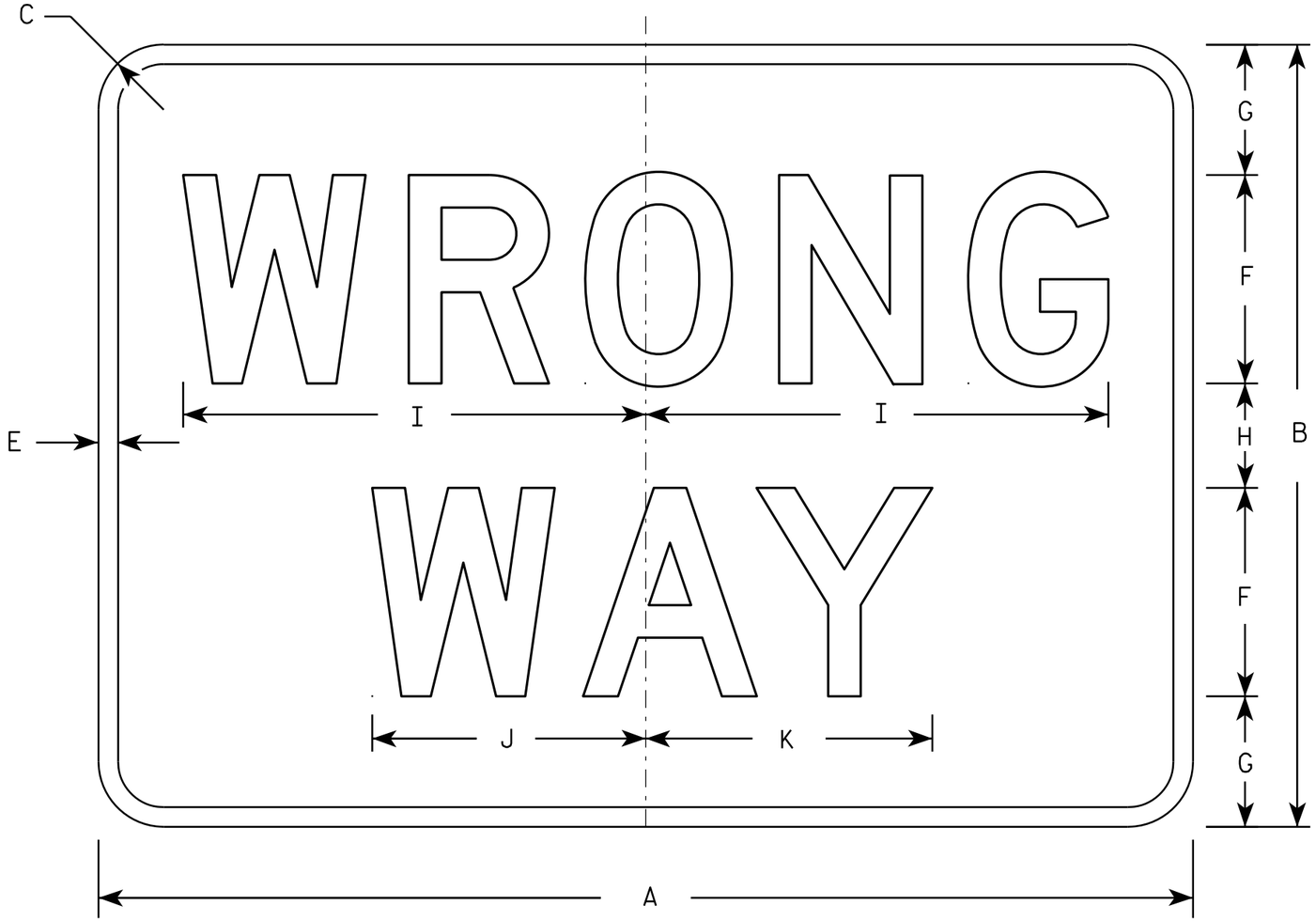
STANDARD SIGN
R5-1

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: 300 | 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

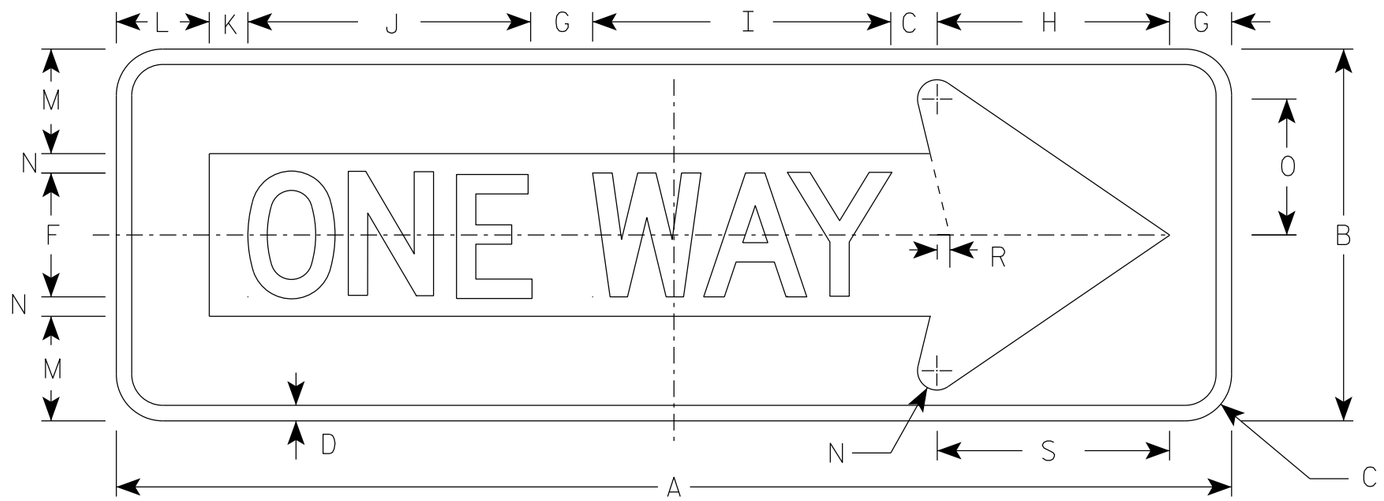
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

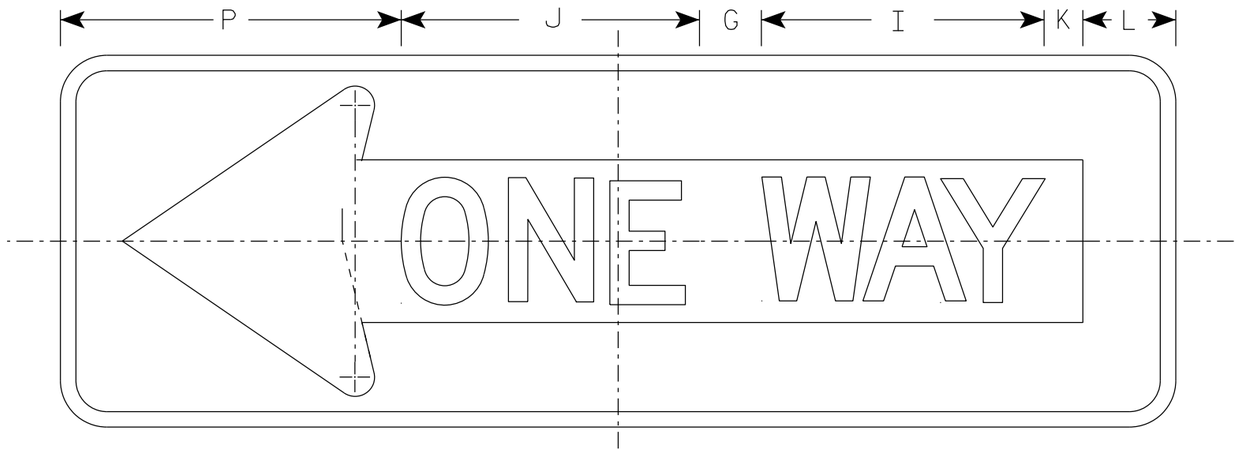
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E



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

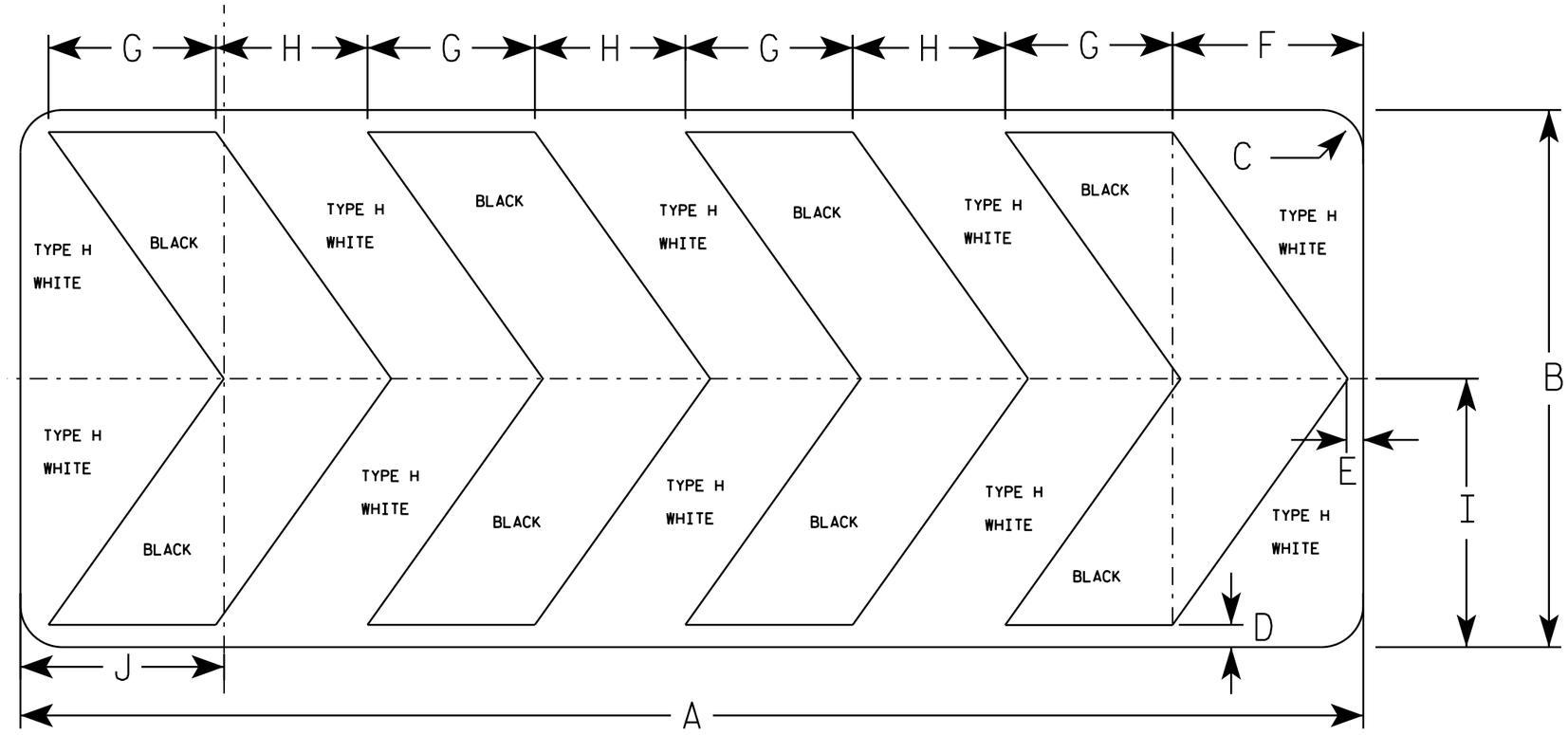
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 302 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

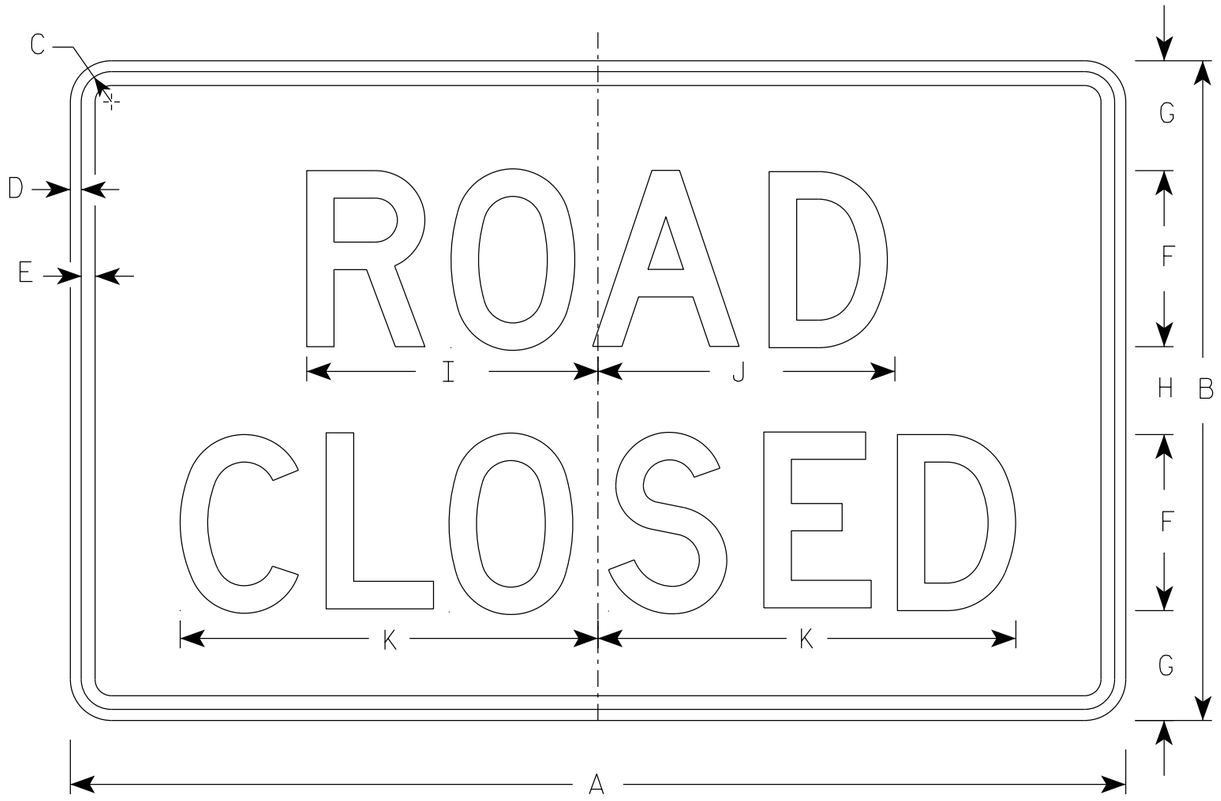
APPROVED Matthew R Rauch
for State Traffic Engineer

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

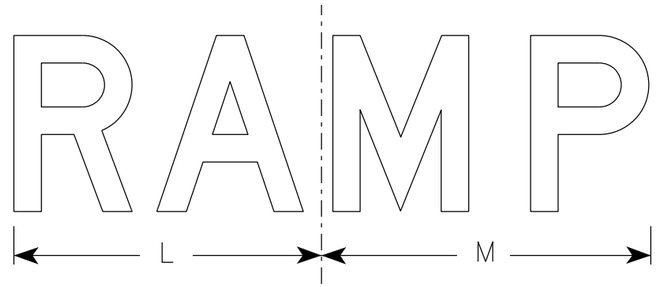
WISDOT/CADDS SHEET 42



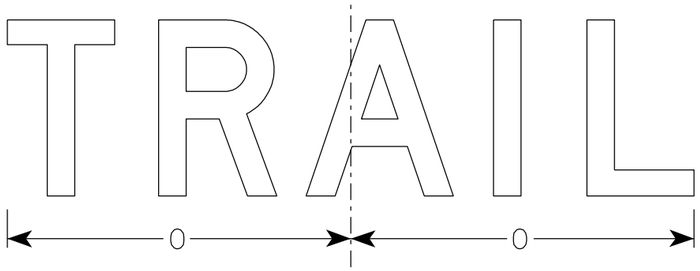
R11-2

NOTES

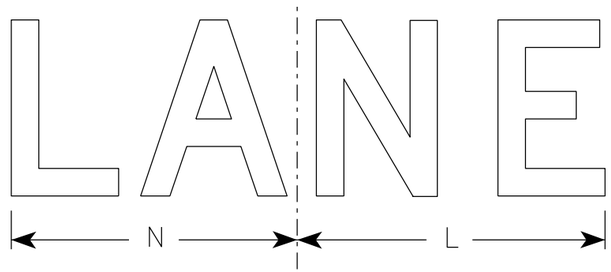
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

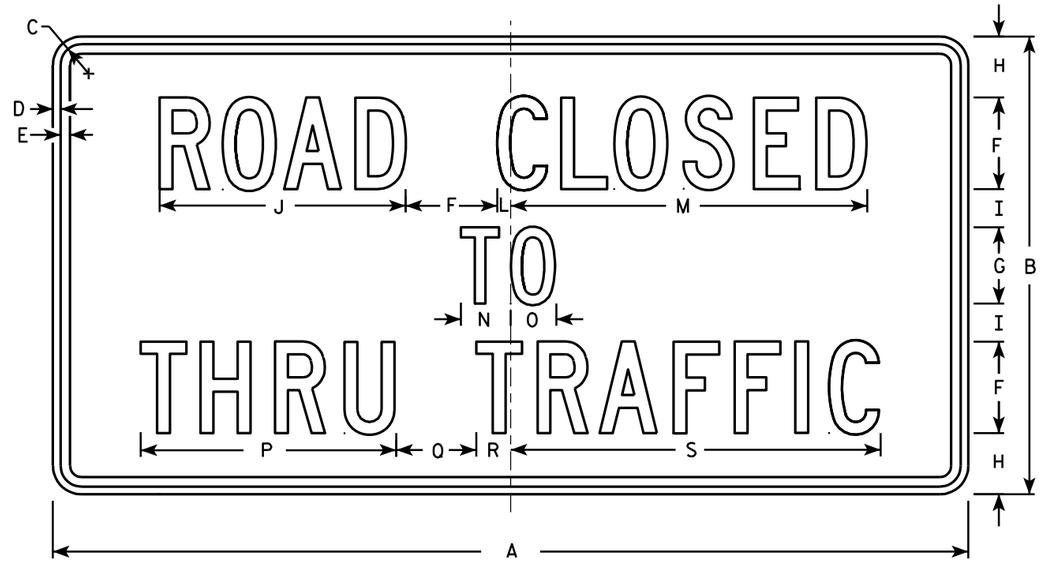
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



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																											

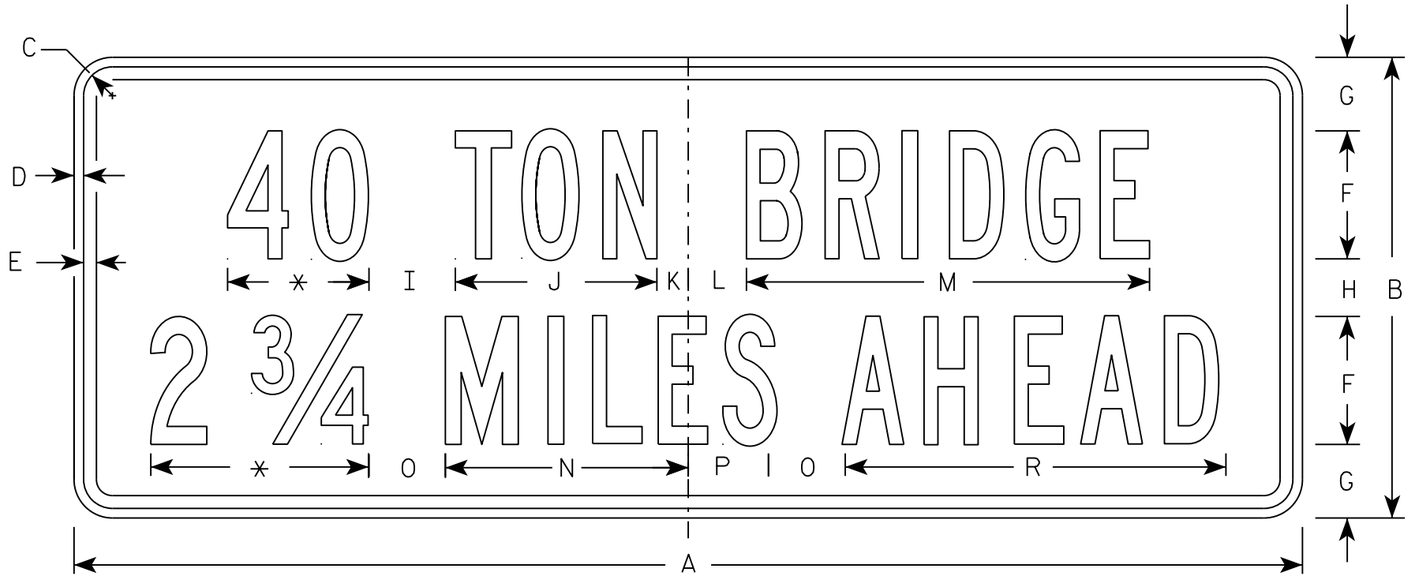
STANDARD SIGN
R11 - 4

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: 305 | E



* Varies

R12-55

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - B for Size 2, Series D for Sizes 3 & 4
4. Corners and border shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile 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																											
2S	48	18	1 1/8	3/8	1/2	5	2 7/8	2 1/4	3 3/8	7 7/8	1 1/4	2 1/4	15 3/4	9 1/2	3	3 1/8		14 7/8									6.0
2M	48	18	1 1/8	3/8	1/2	5	2 7/8	2 1/4	3 3/8	7 7/8	1 1/4	2 1/4	15 3/4	9 1/2	3	3 1/8		14 7/8									6.0
3	90	24	2 1/4	3/4	1	6	4	4	6	15 1/4	2 1/2	3 1/2	30 5/8	18 3/8	6	6 1/4		28 3/8									15.0
4	120	30	2 1/4	3/4	1	8	5 1/4	3 5/8	8	19 5/8	4	3	39 1/2	24 1/2	7	6 3/4		36 3/8									25.0
5	120	30	2 1/4	3/4	1	8	5 1/4	3 5/8	8	19 5/8	4	3	39 1/2	24 1/2	7	6 3/4		36 3/8									25.0

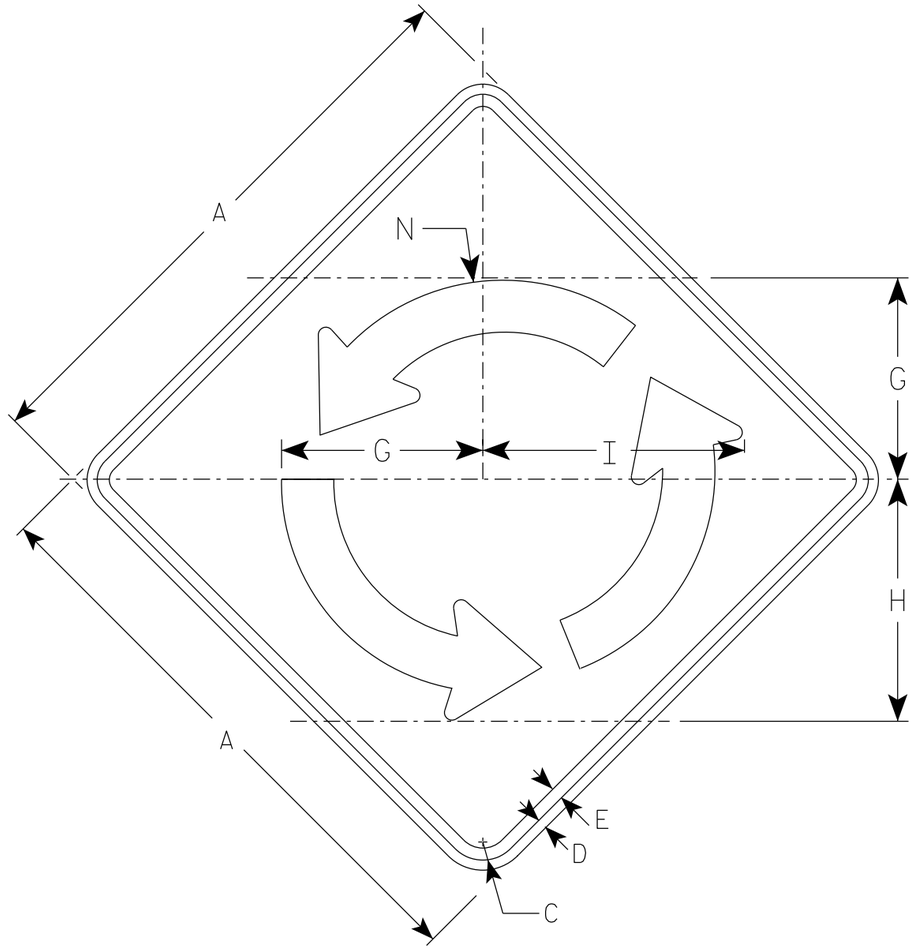
STANDARD SIGN
R12-55

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/22/17 PLATE NO. R12-55.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E

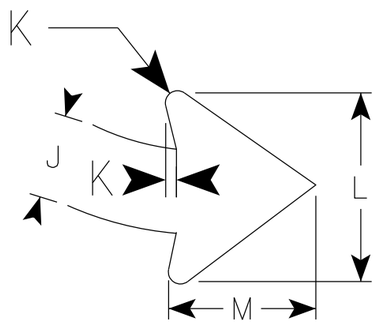


W2-6

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

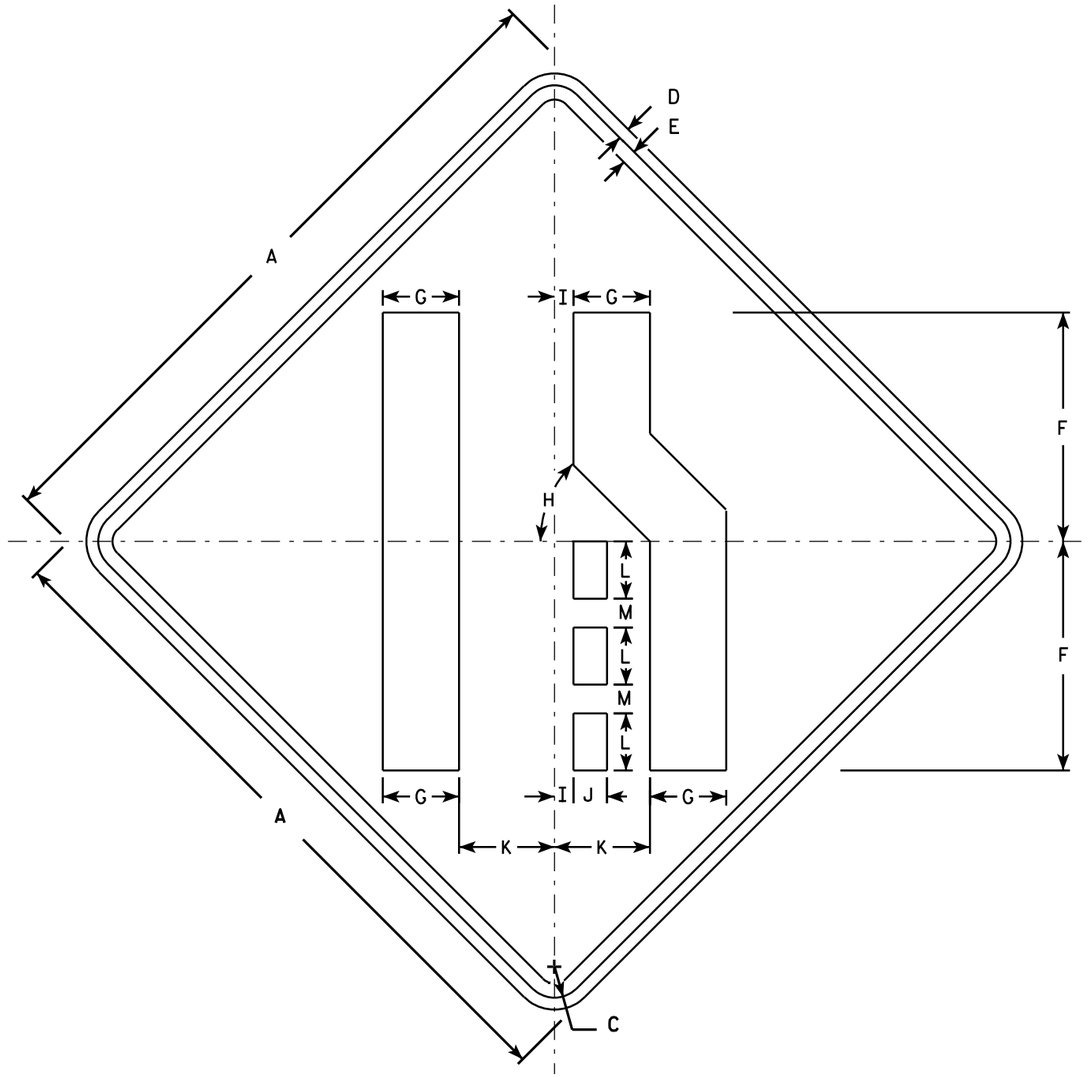
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 307 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

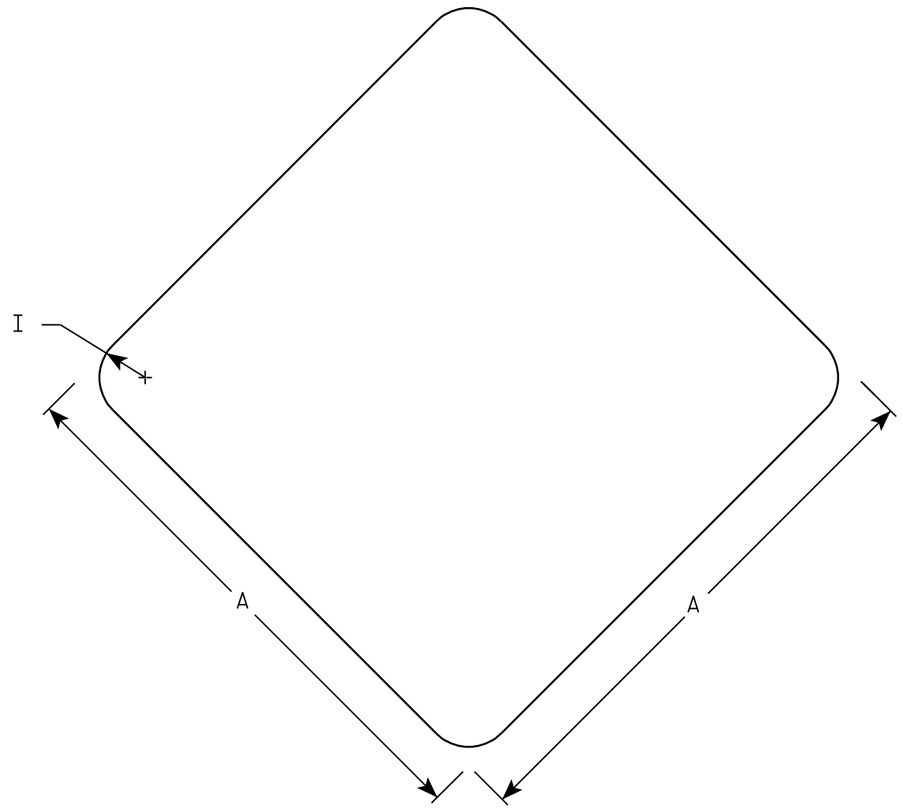
STANDARD SIGN
W4-2

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: 308 | 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																											

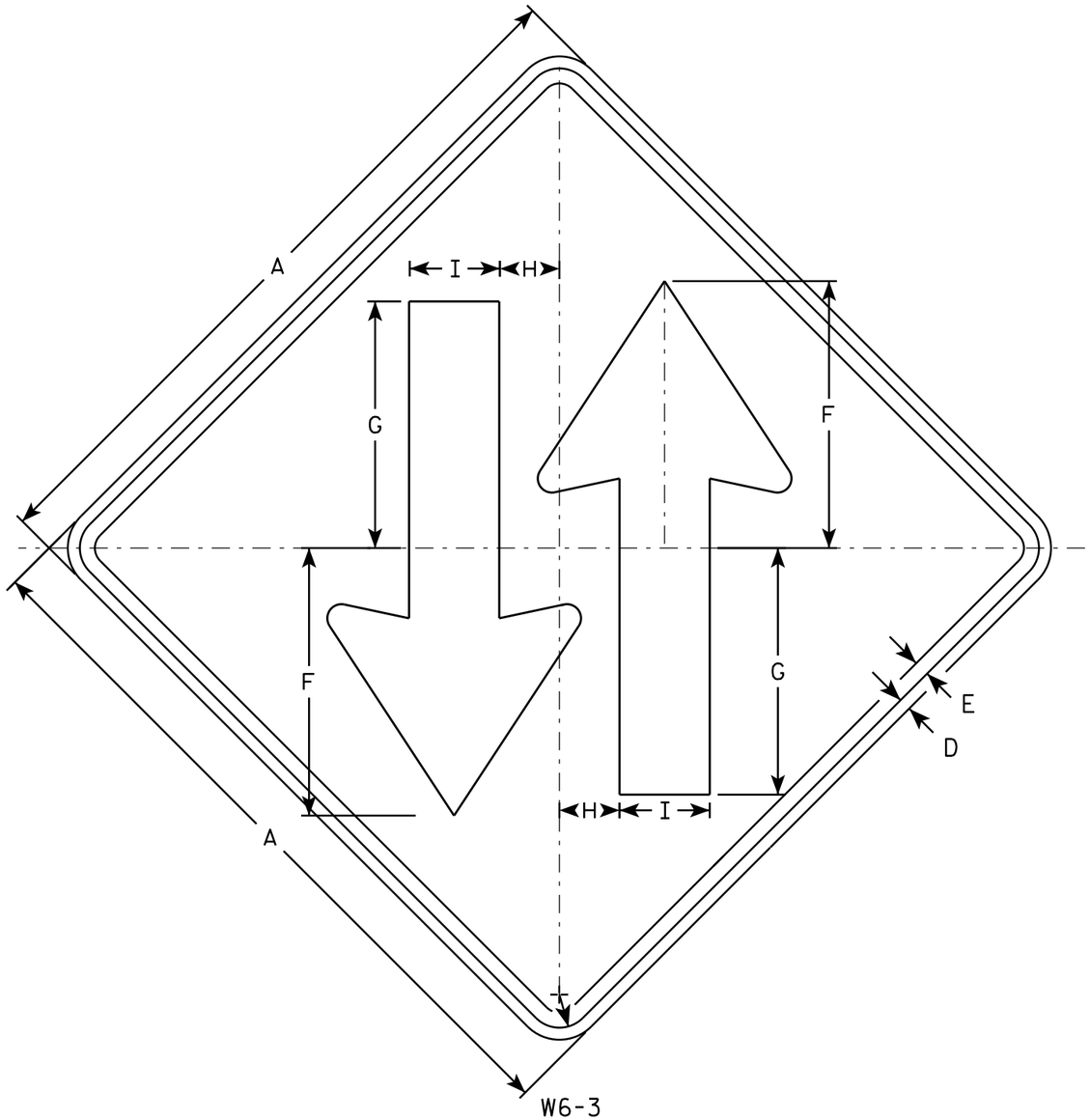
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

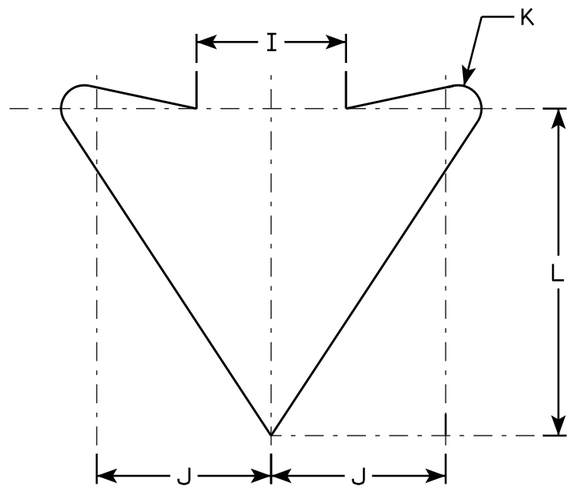
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 309	E



W6-3

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.



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	30		1 3/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

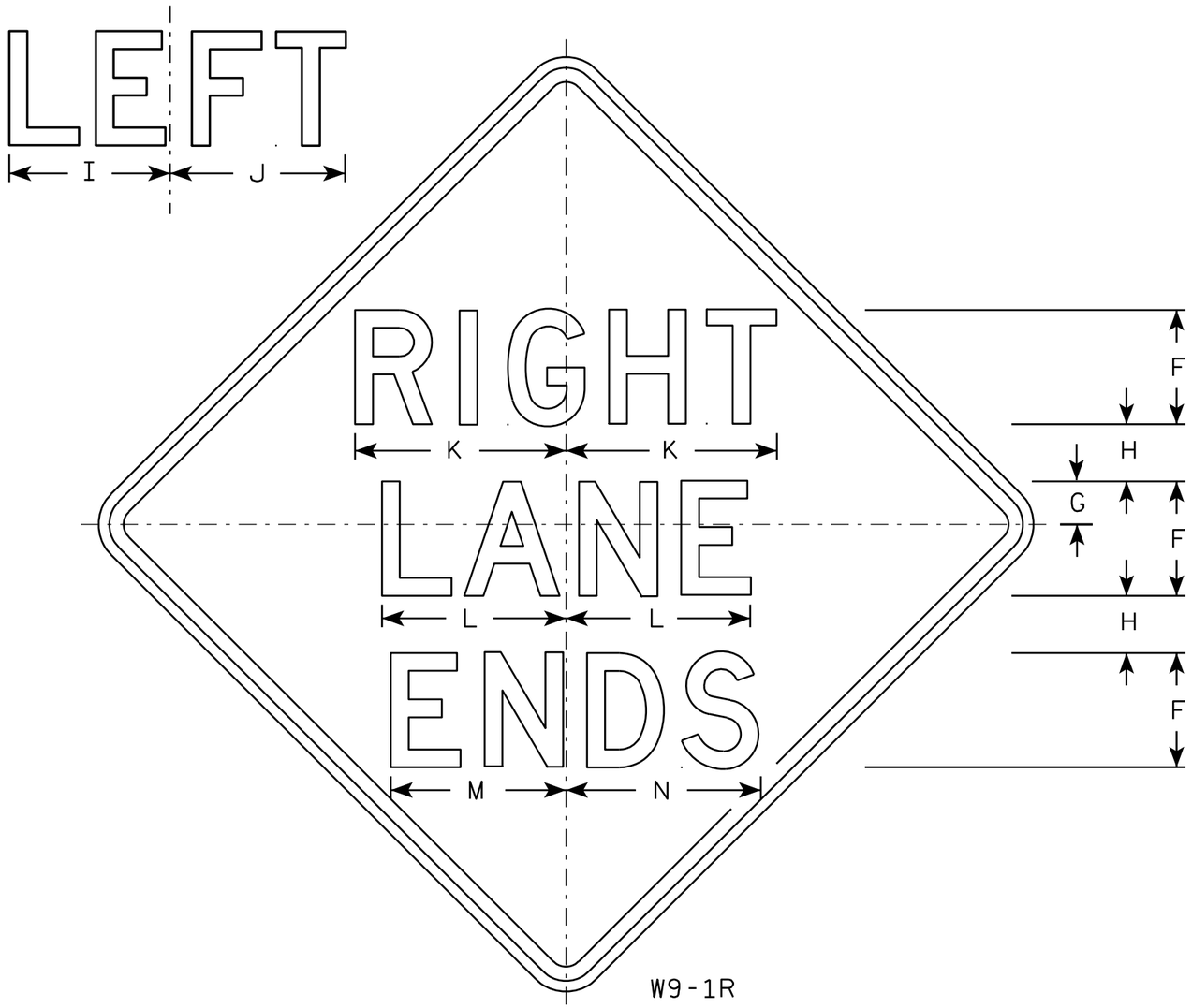
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE W6-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN PLOT DATE : 10-MAR-2016 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



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:

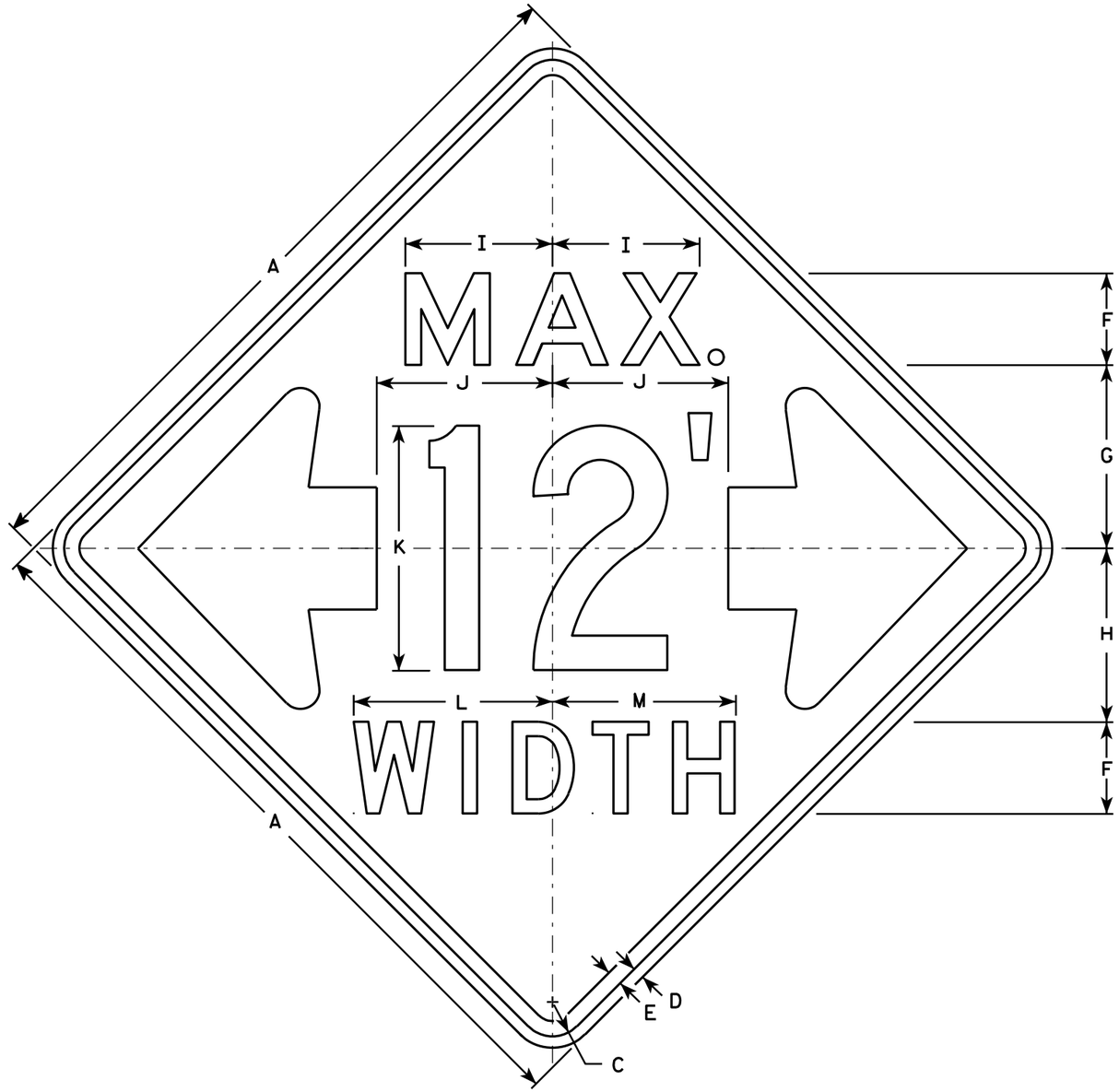
SHEET NO: 311 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W91.DGN PLOT DATE : 18-MAR-2013 11:42 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

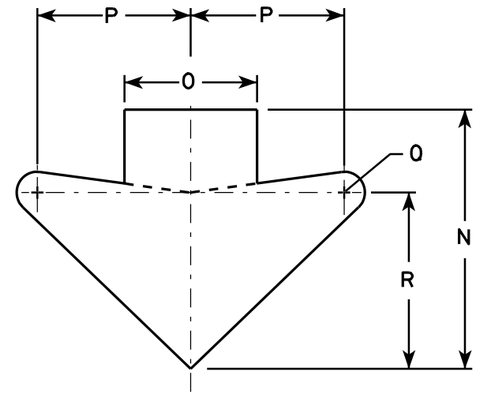
7



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

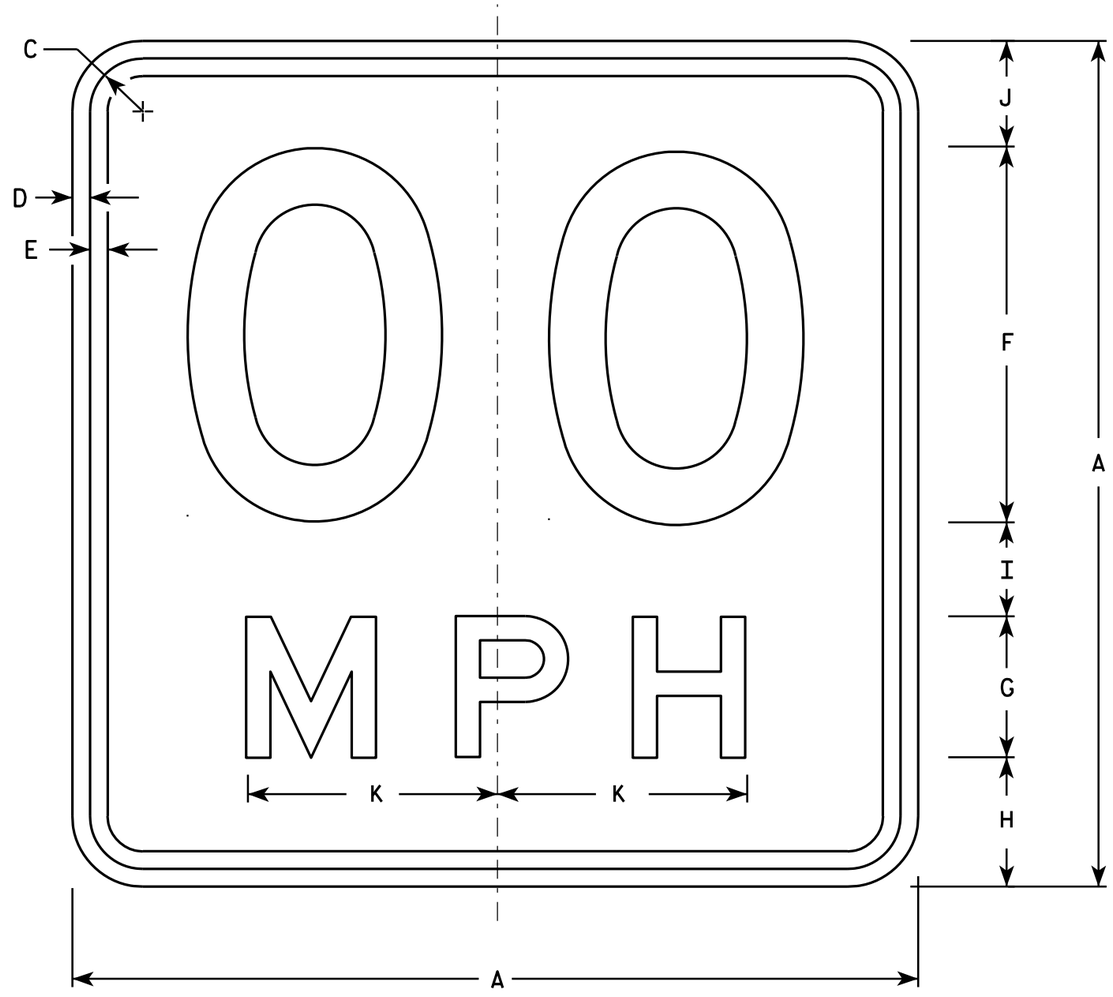
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000

WISDOT/CADDS SHEET 42

7

7



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

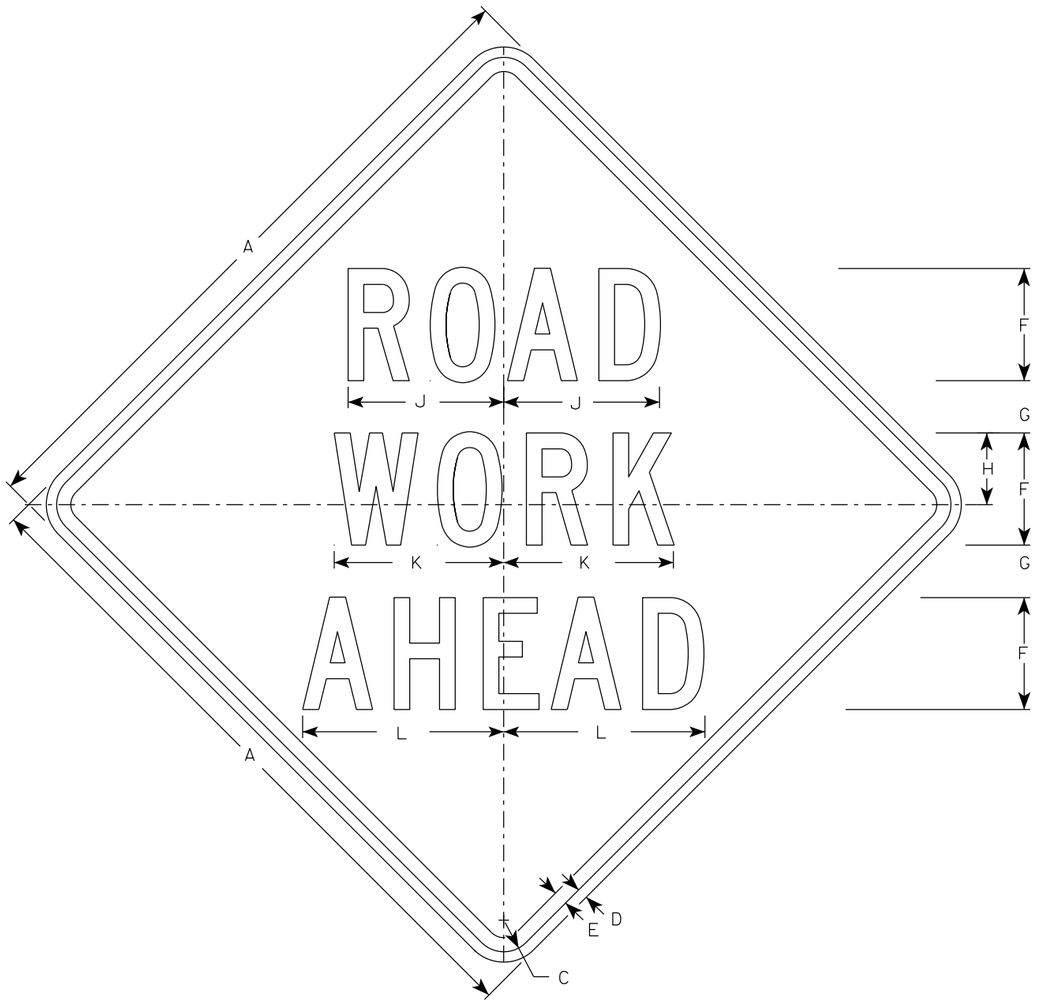
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

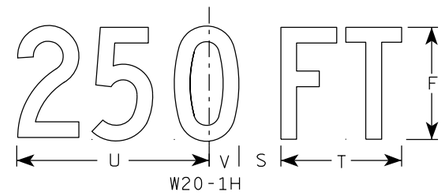
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E

NOTES

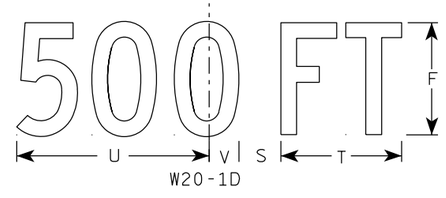
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



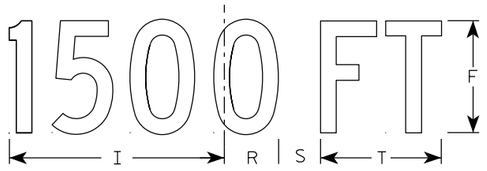
W20-1H



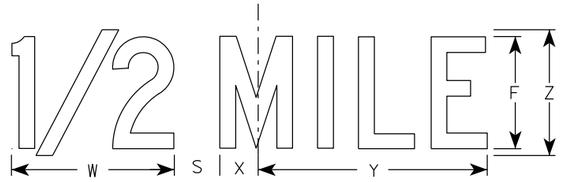
W20-1D



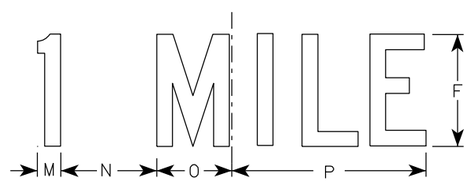
W20-1C



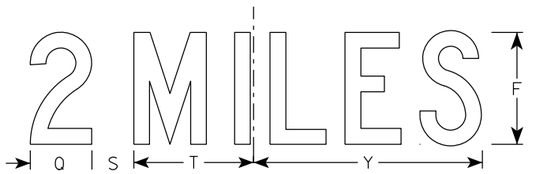
W20-1B



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:

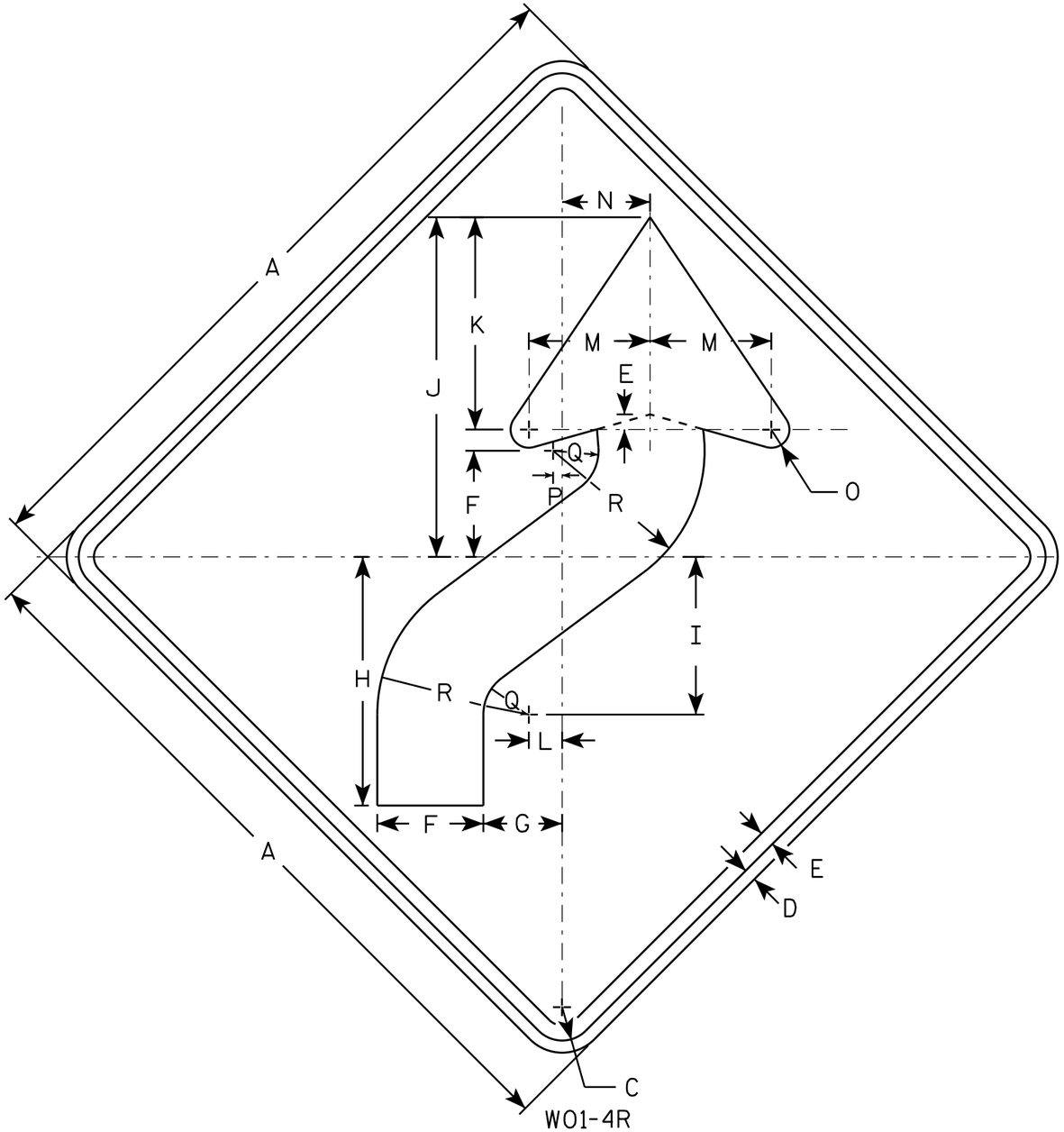
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

7



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

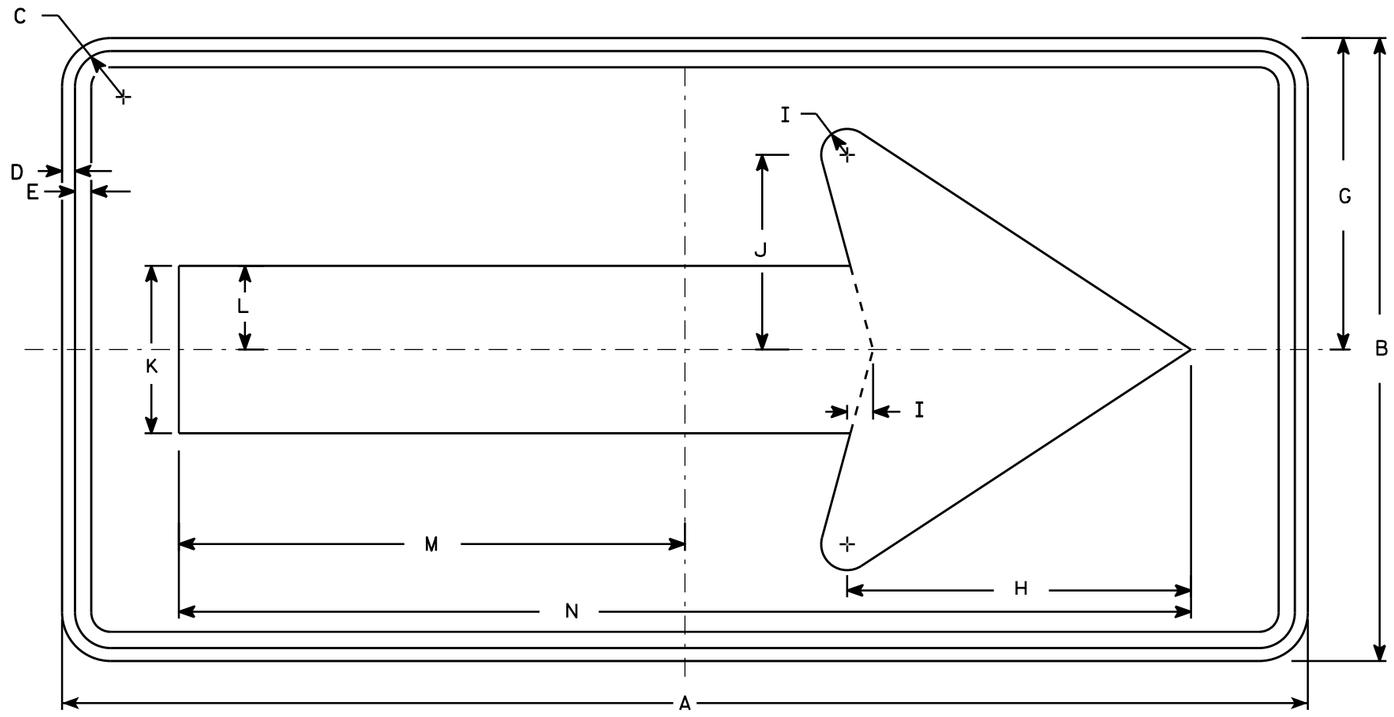
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

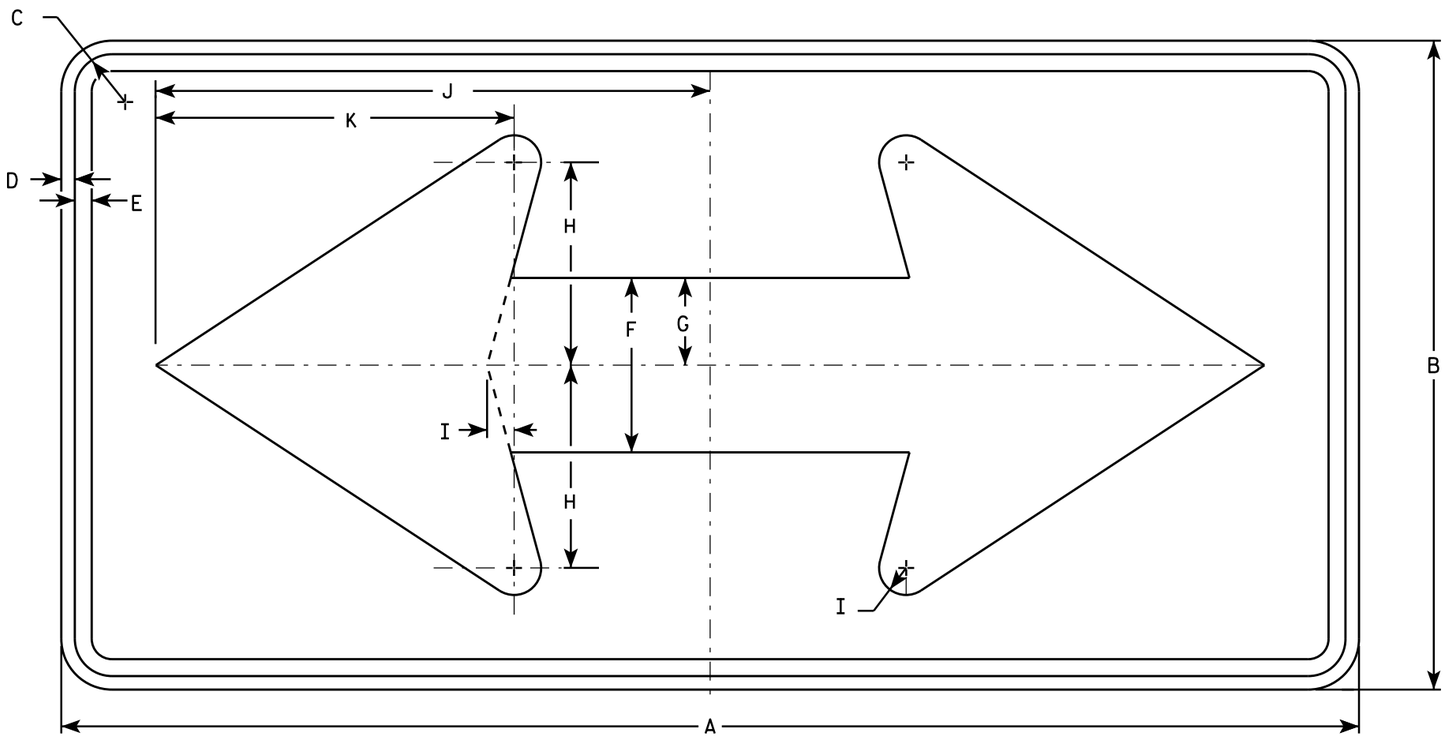
STANDARD SIGN
W01-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W01-7

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	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

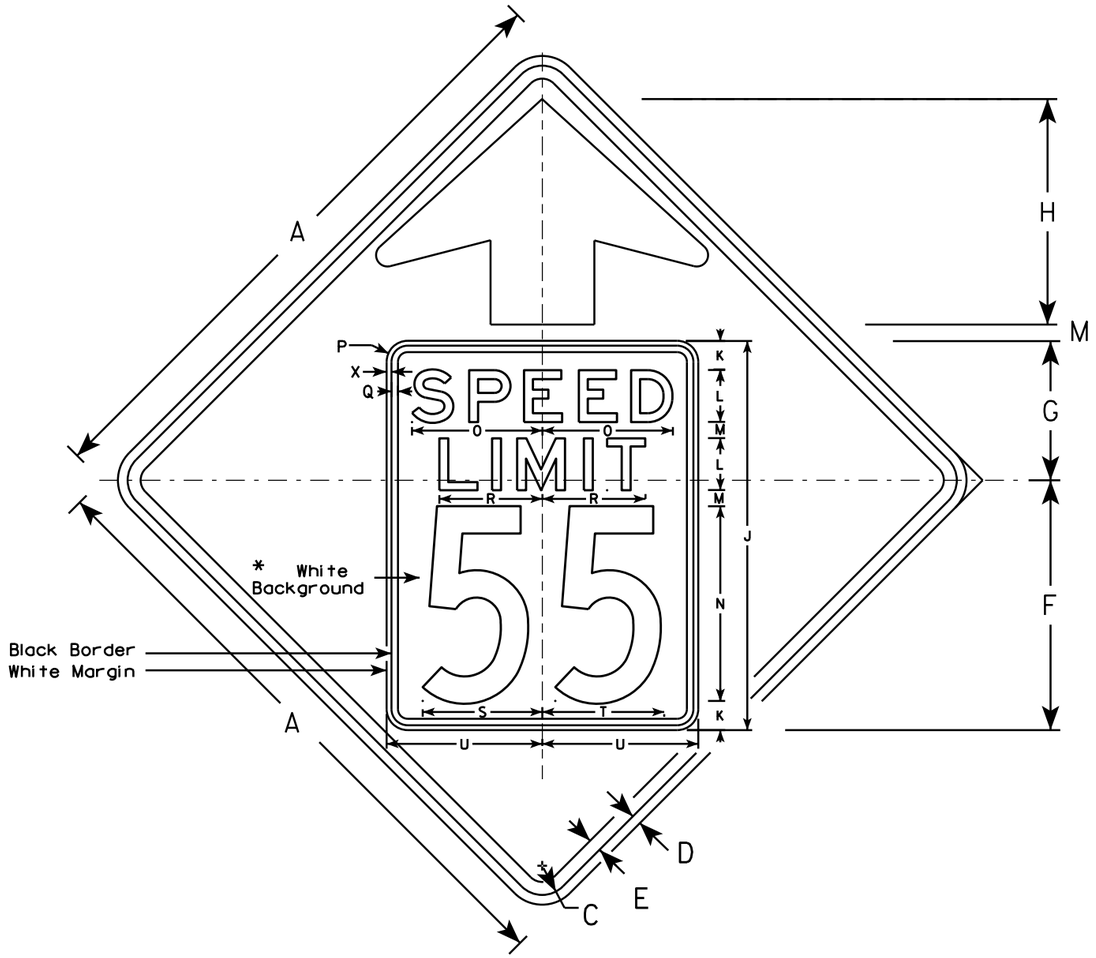
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1317 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

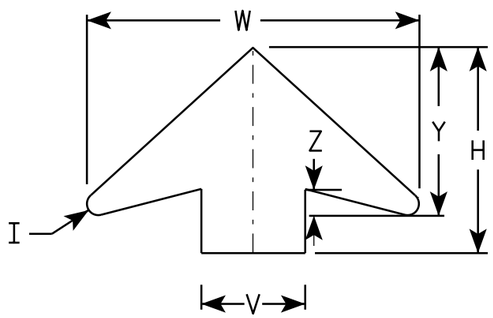


W03-5

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

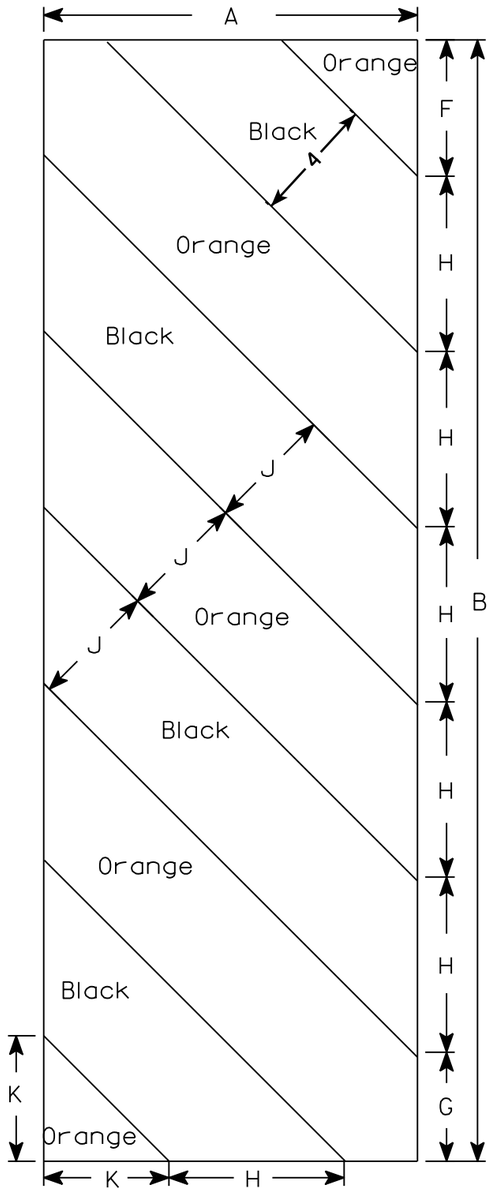
DATE 11/20/13 PLATE W03-5.1

PROJECT NO: SHEET NO: E

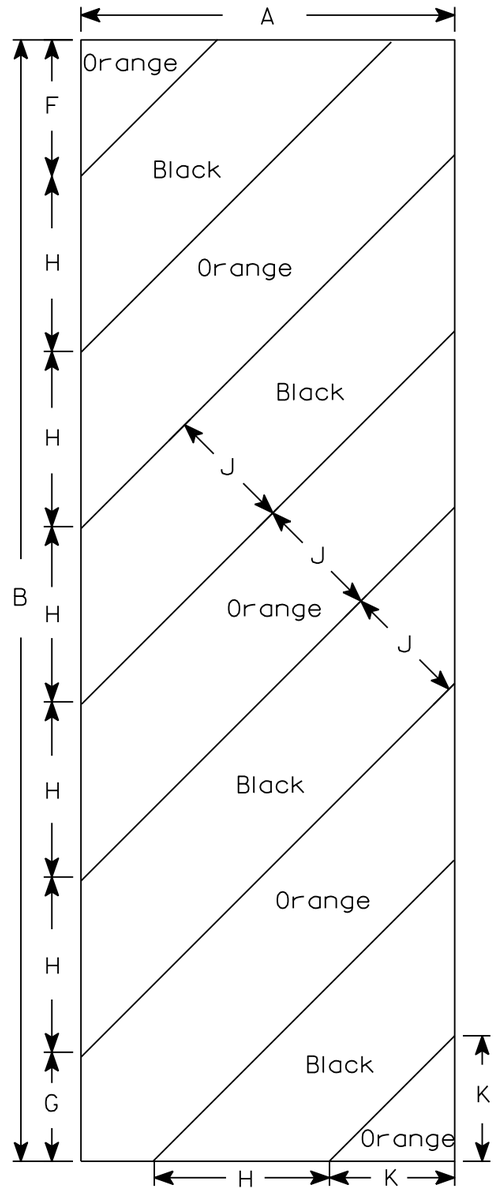
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7 7



W05-52L



W05-52R

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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

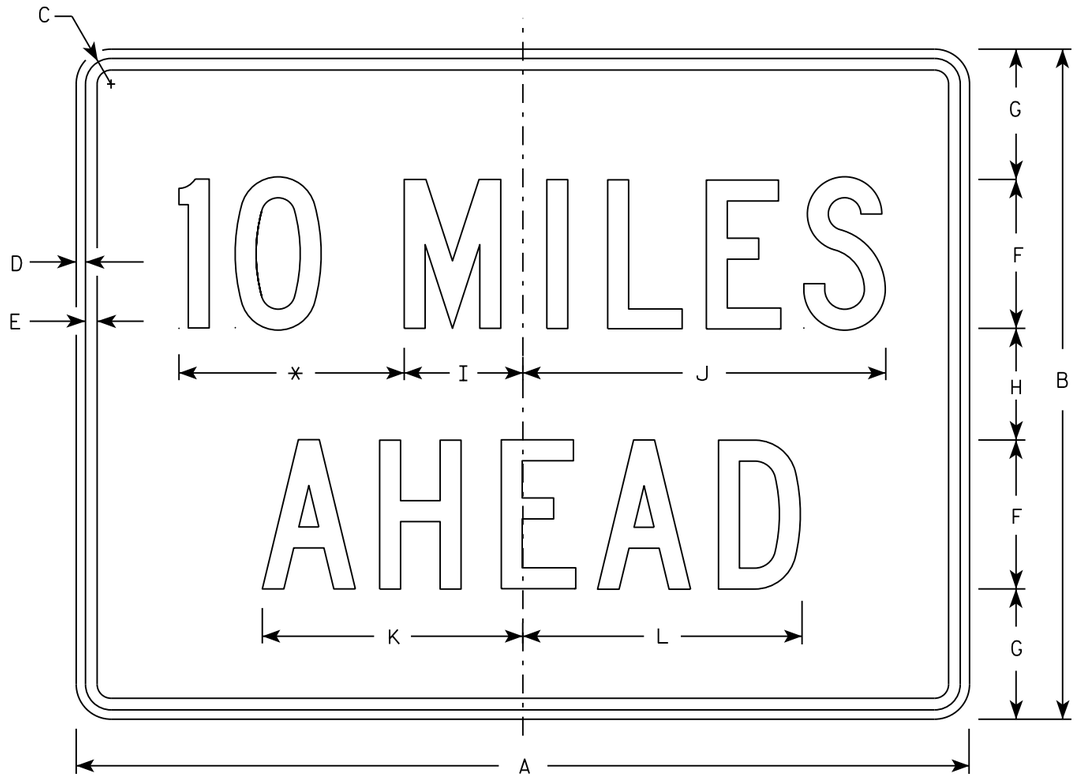
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

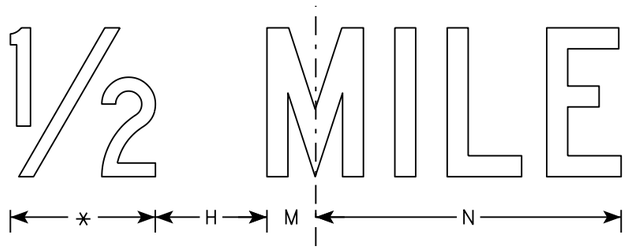
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

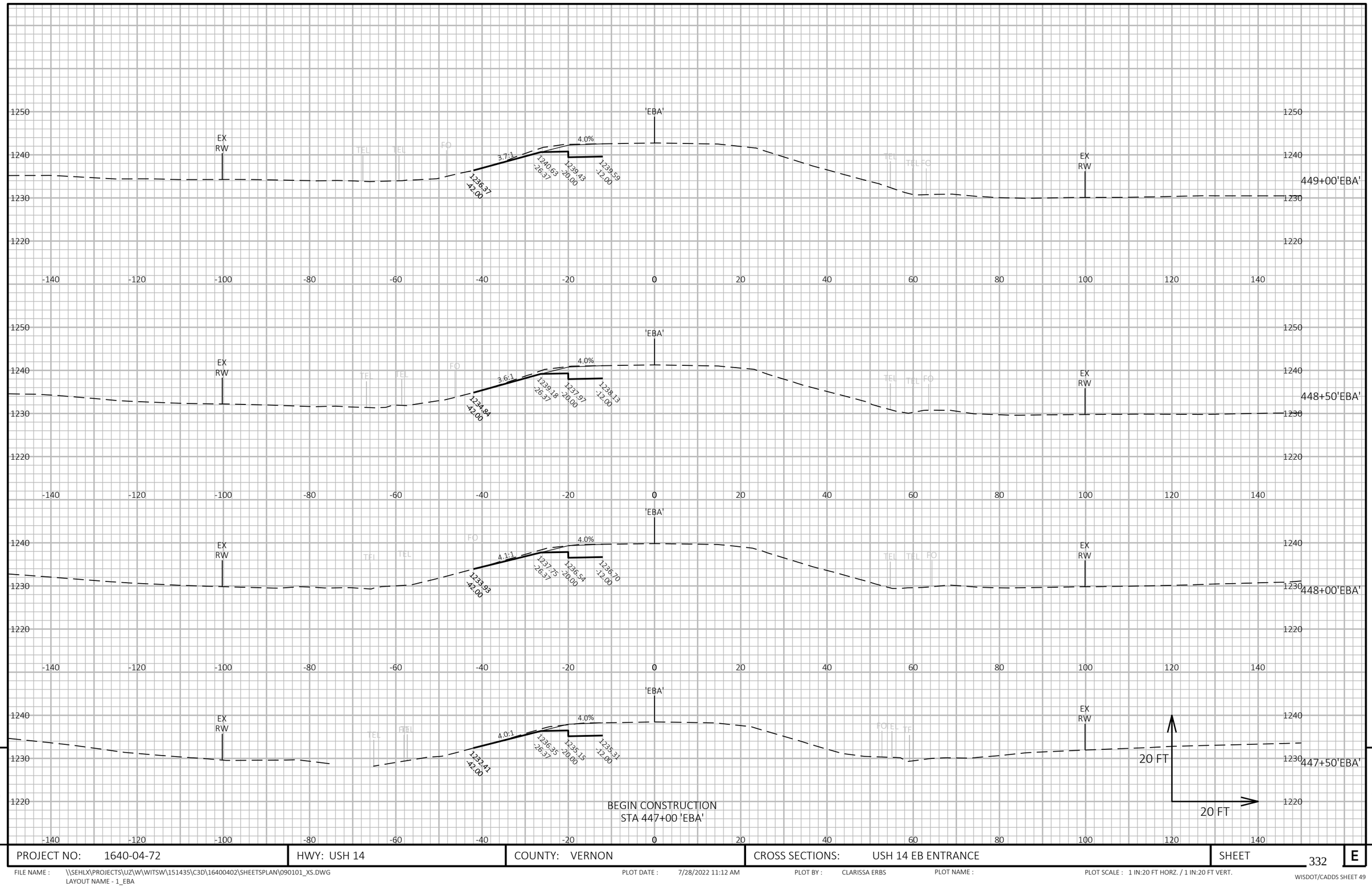
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E



9

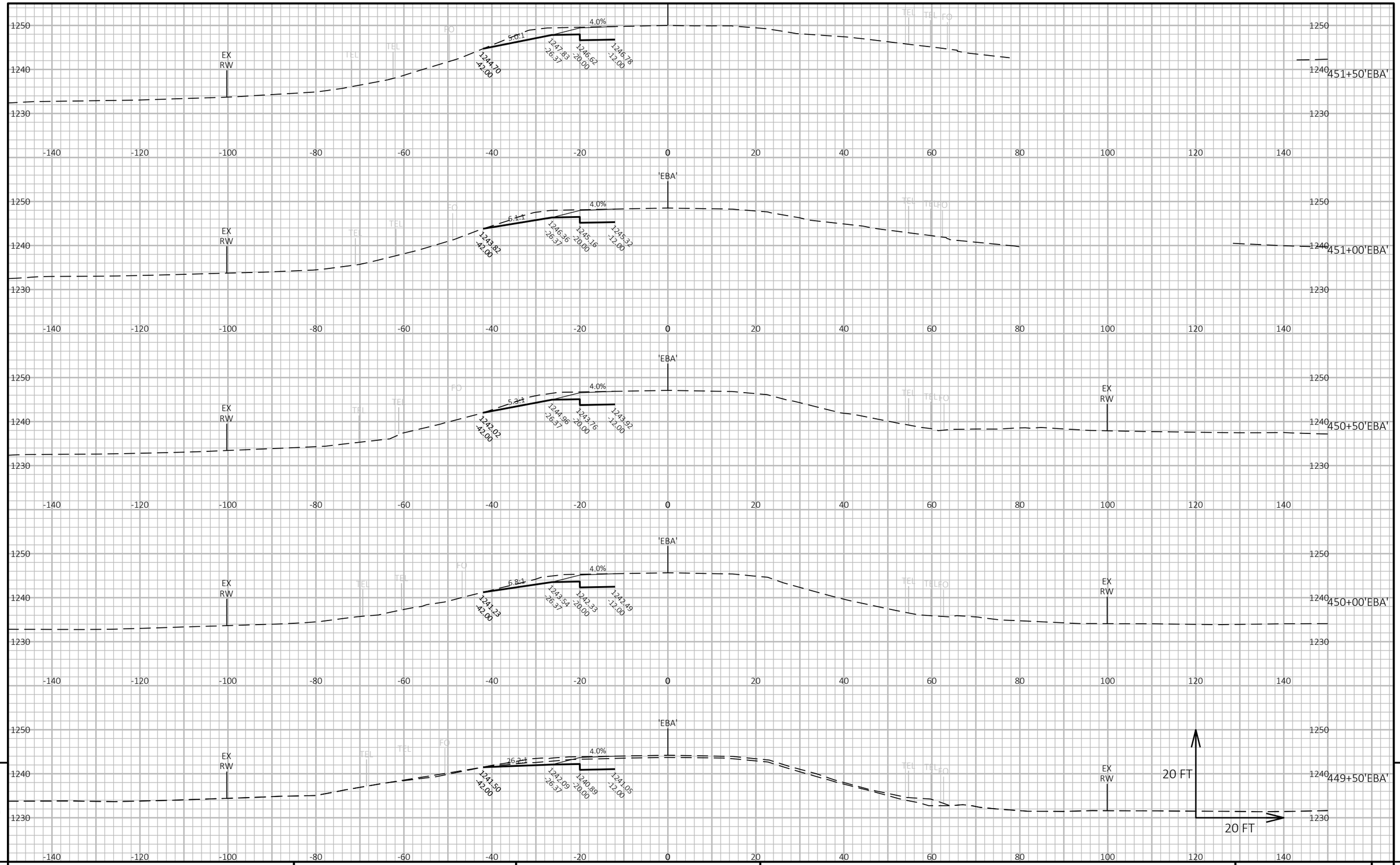
9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 332	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_EBA

PLOT DATE : 7/28/2022 11:12 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

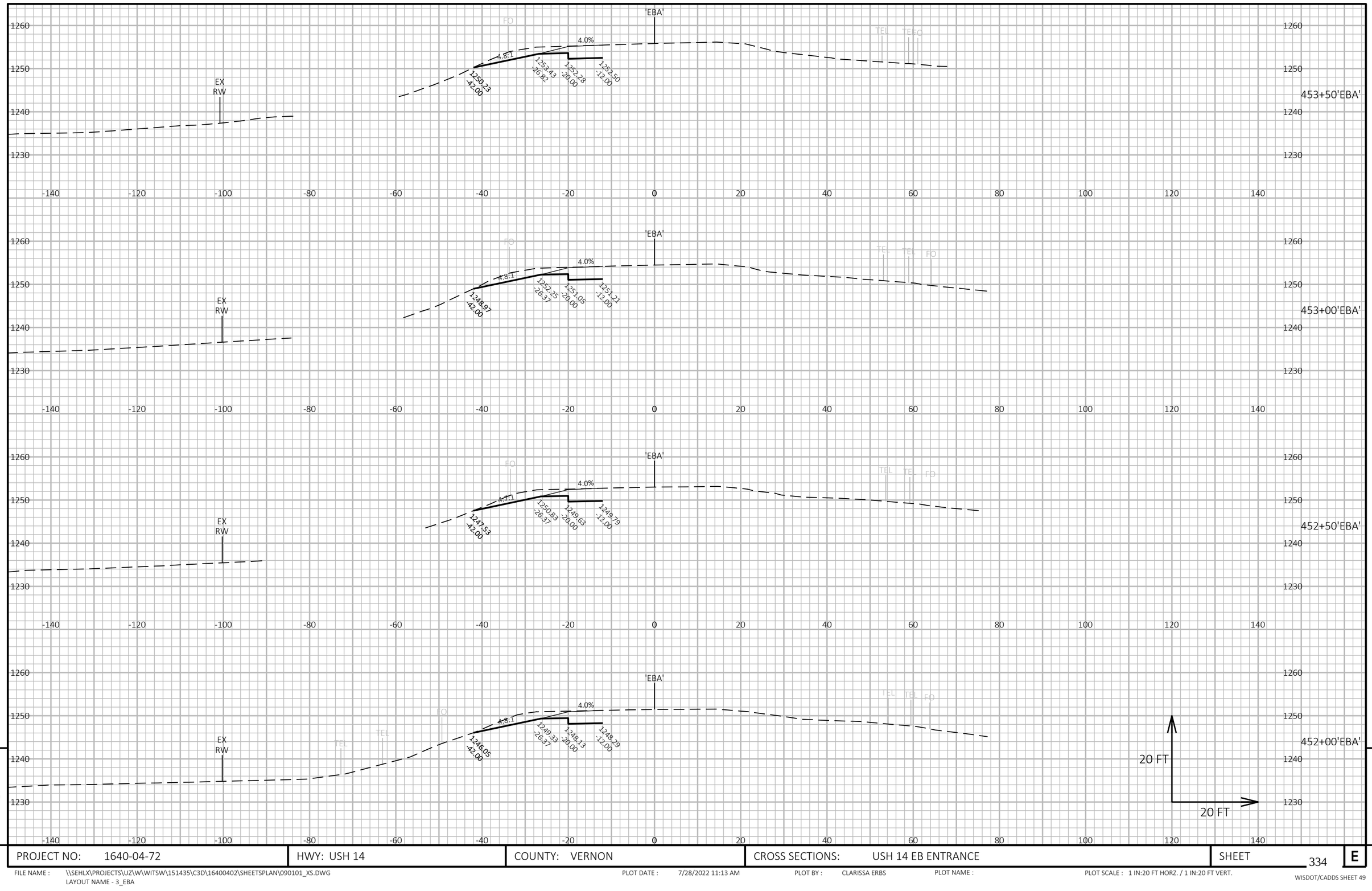
9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 333	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 2_EBA

PLOT DATE : 7/28/2022 11:12 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 334	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 3_EBA

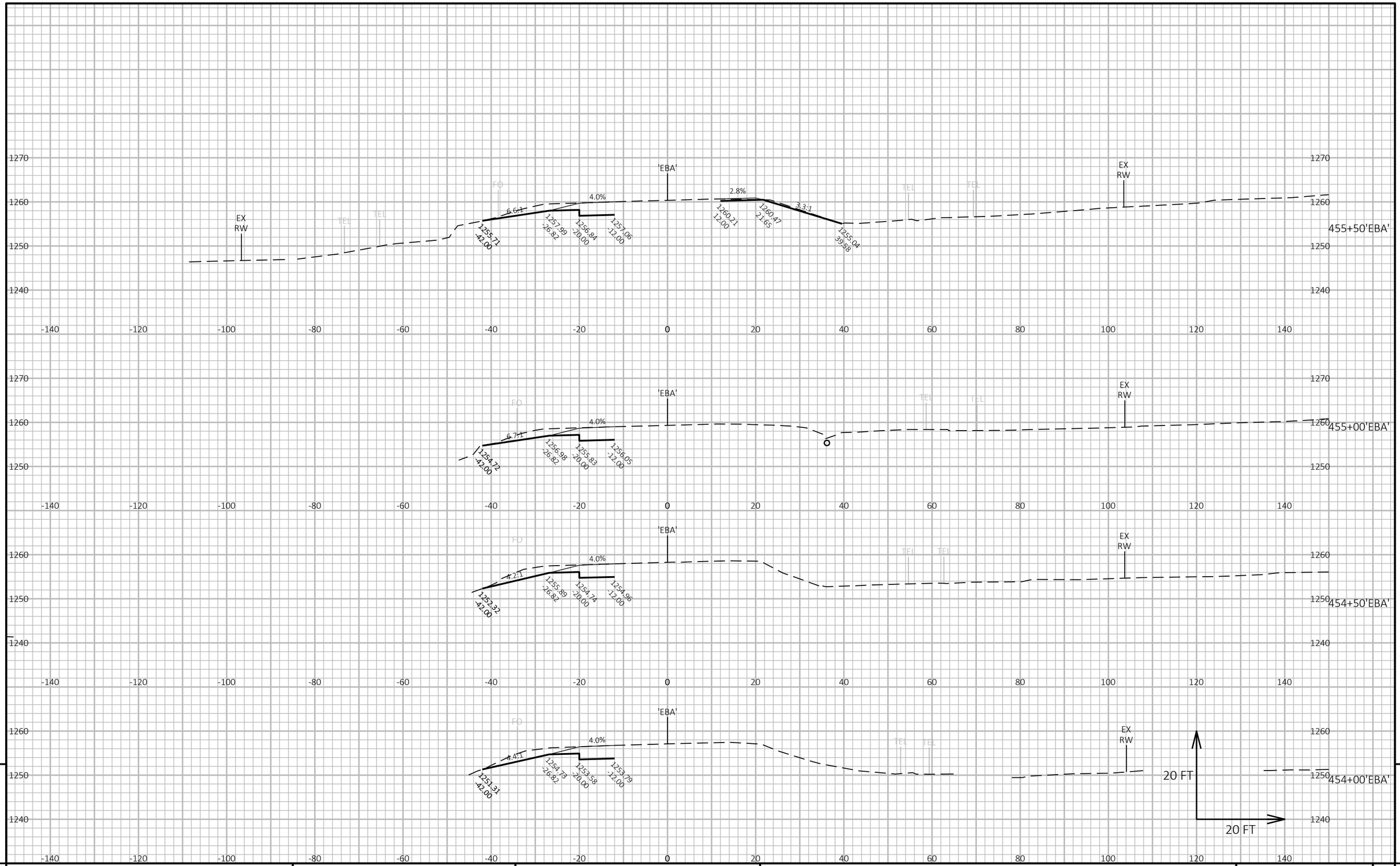
PLOT DATE : 7/28/2022 11:13 AM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

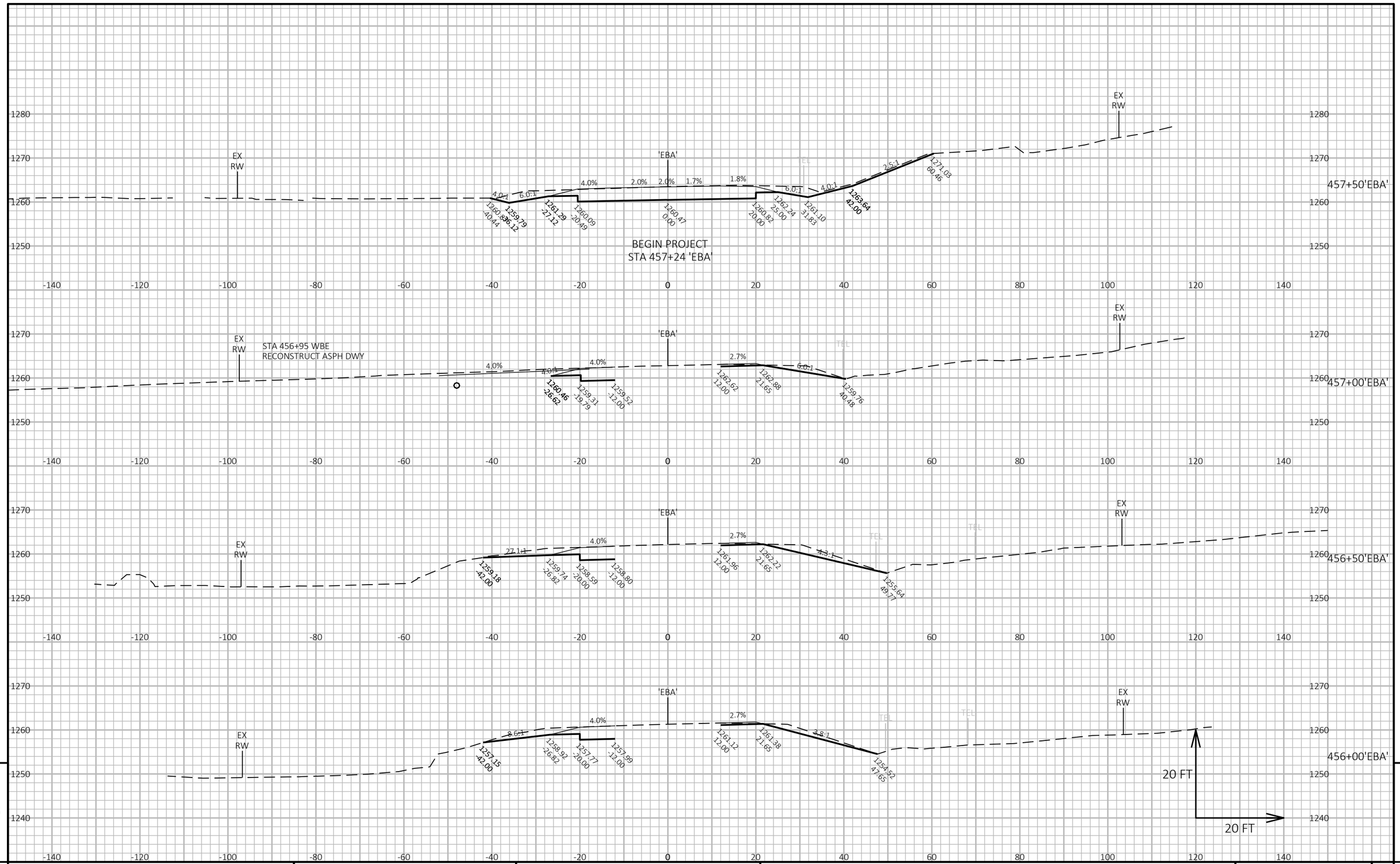
9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 335	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 4_EBA

PLOT DATE : 7/28/2022 11:13 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

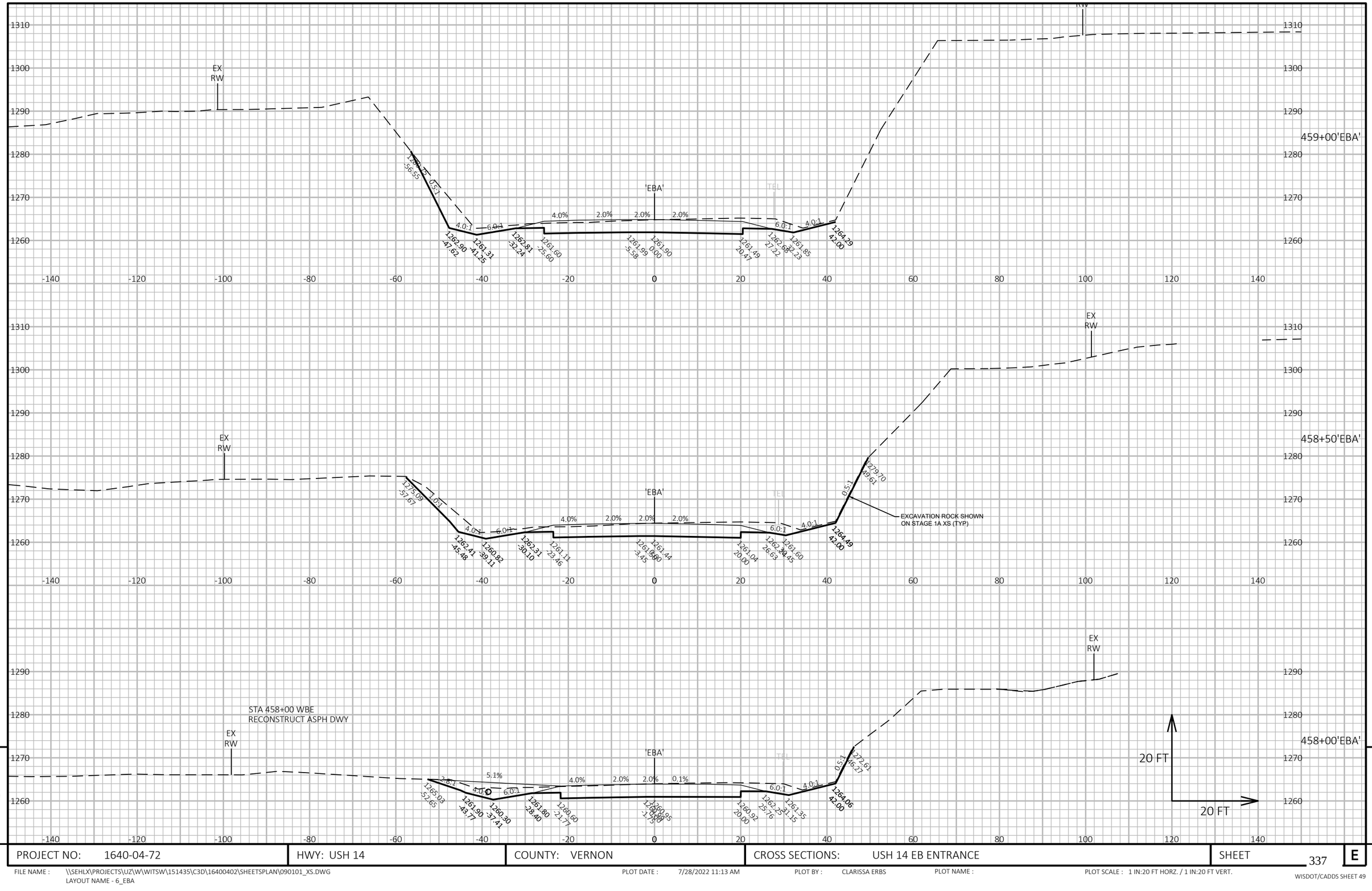
9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 336	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 5_EBA

PLOT DATE : 7/28/2022 11:13 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



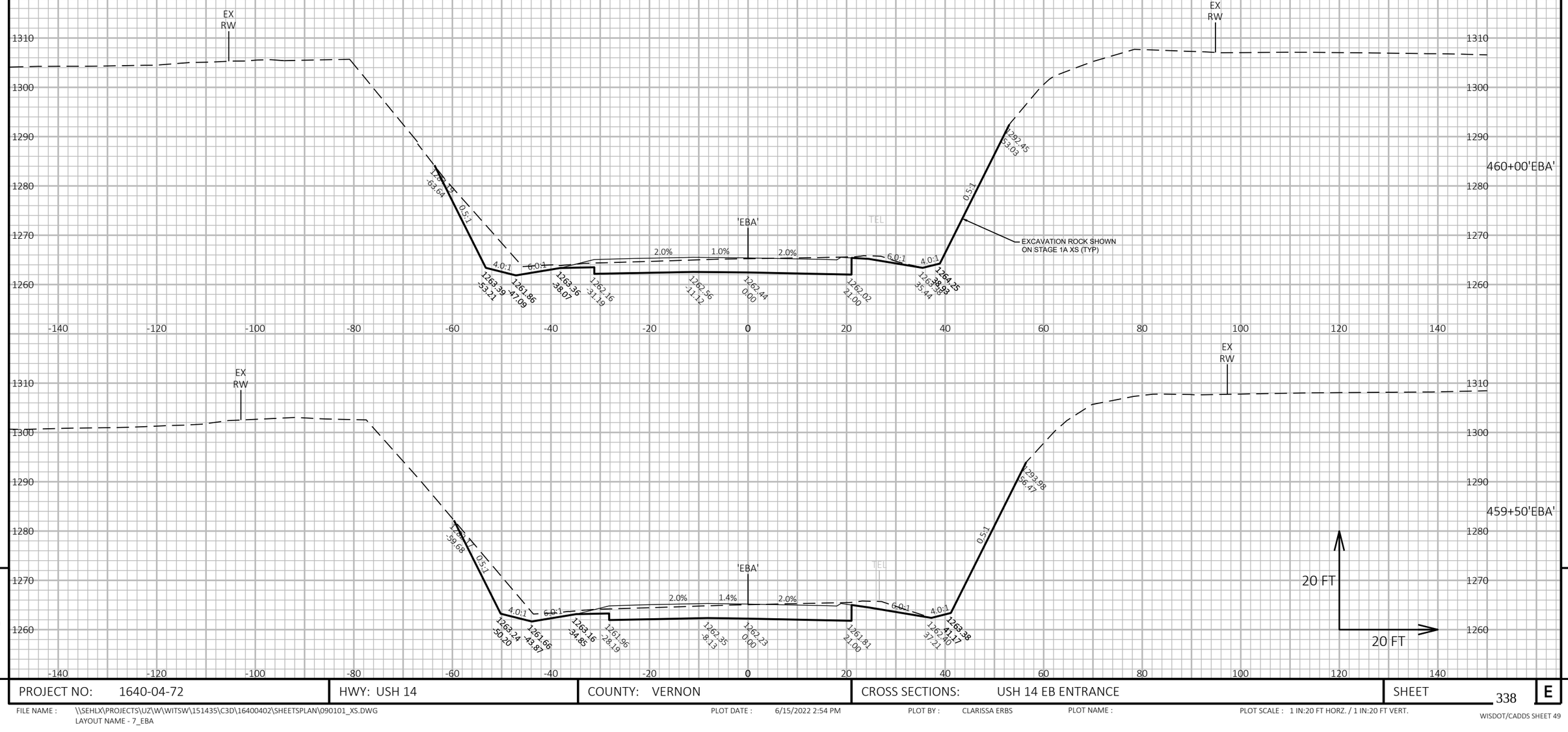
9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 337	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 6_EBA

PLOT DATE : 7/28/2022 11:13 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

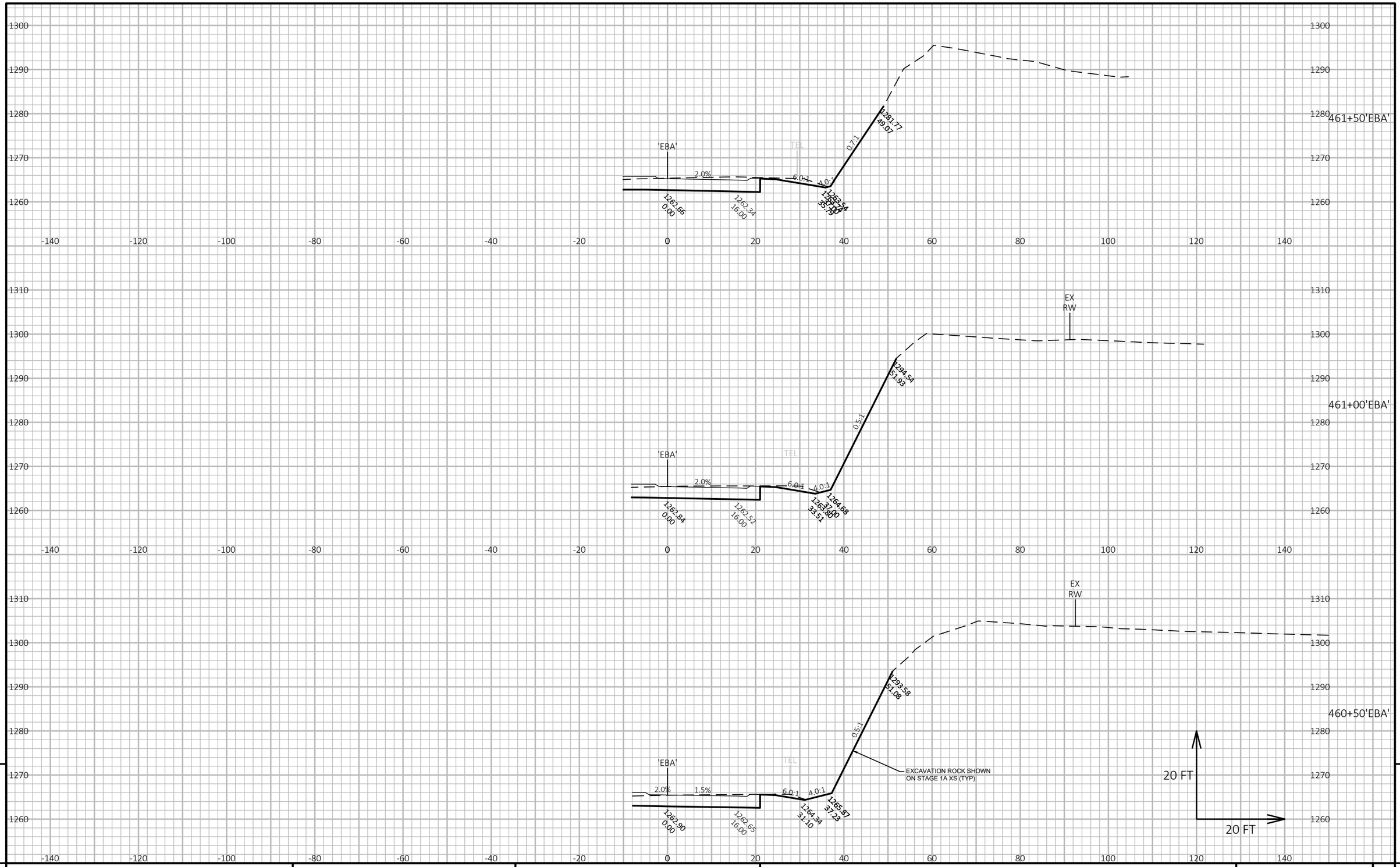
9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 338	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 7_EBA

PLOT DATE : 6/15/2022 2:54 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

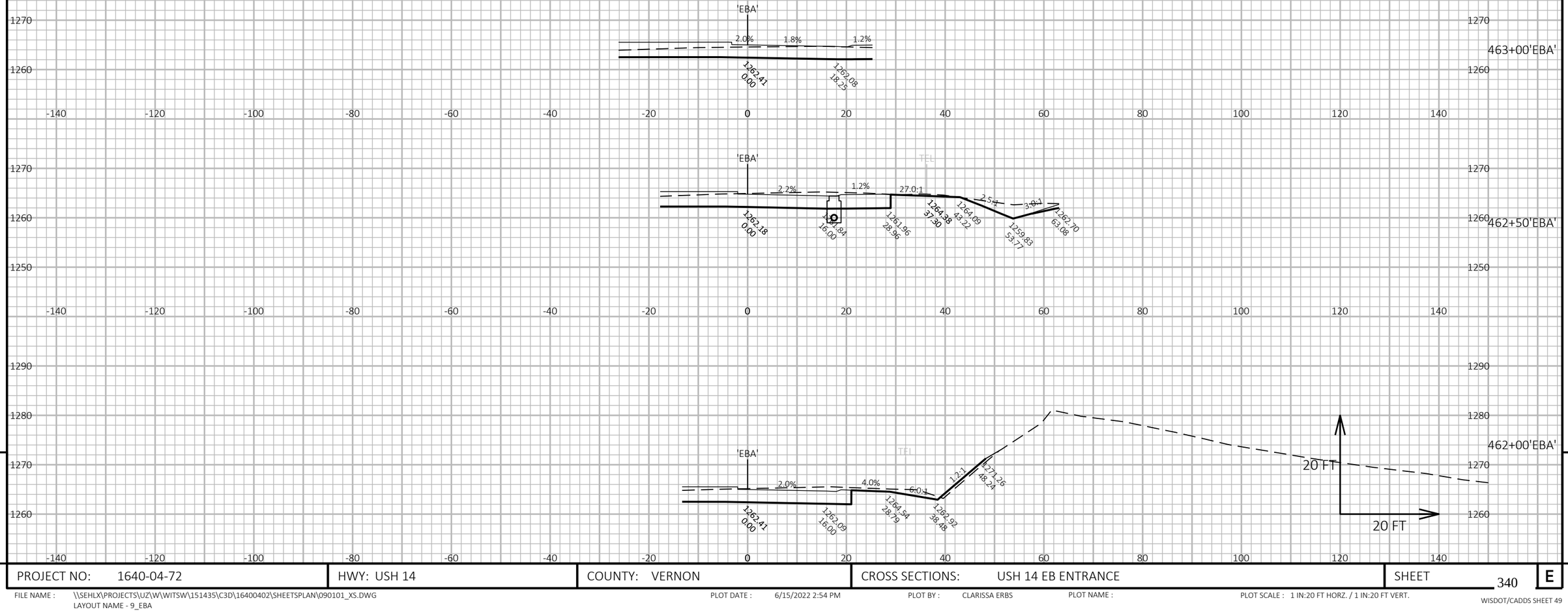


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 339	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 8_EBA

PLOT DATE : 6/15/2022 2:54 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB ENTRANCE	SHEET 340	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 9_EBA

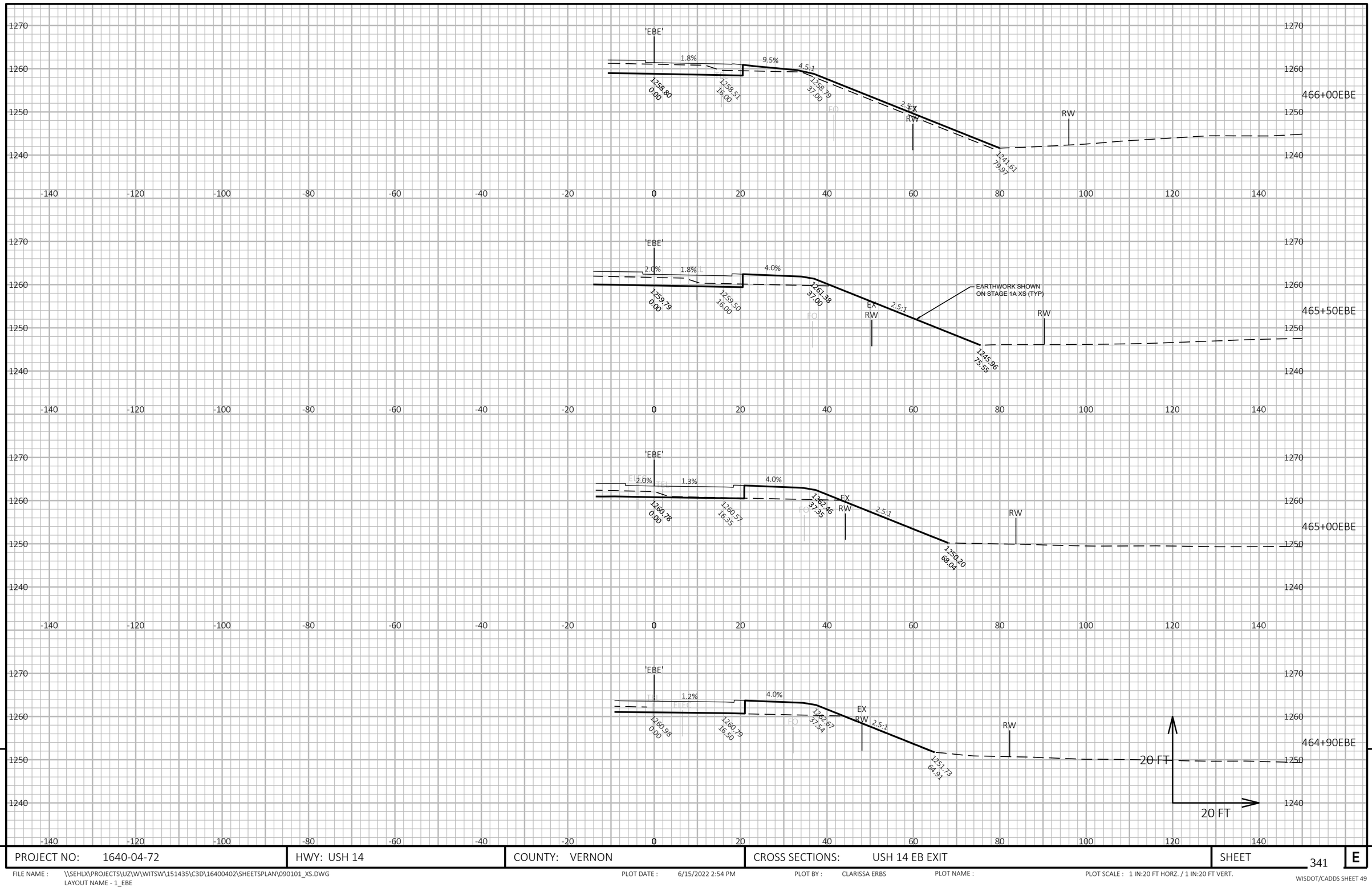
PLOT DATE : 6/15/2022 2:54 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

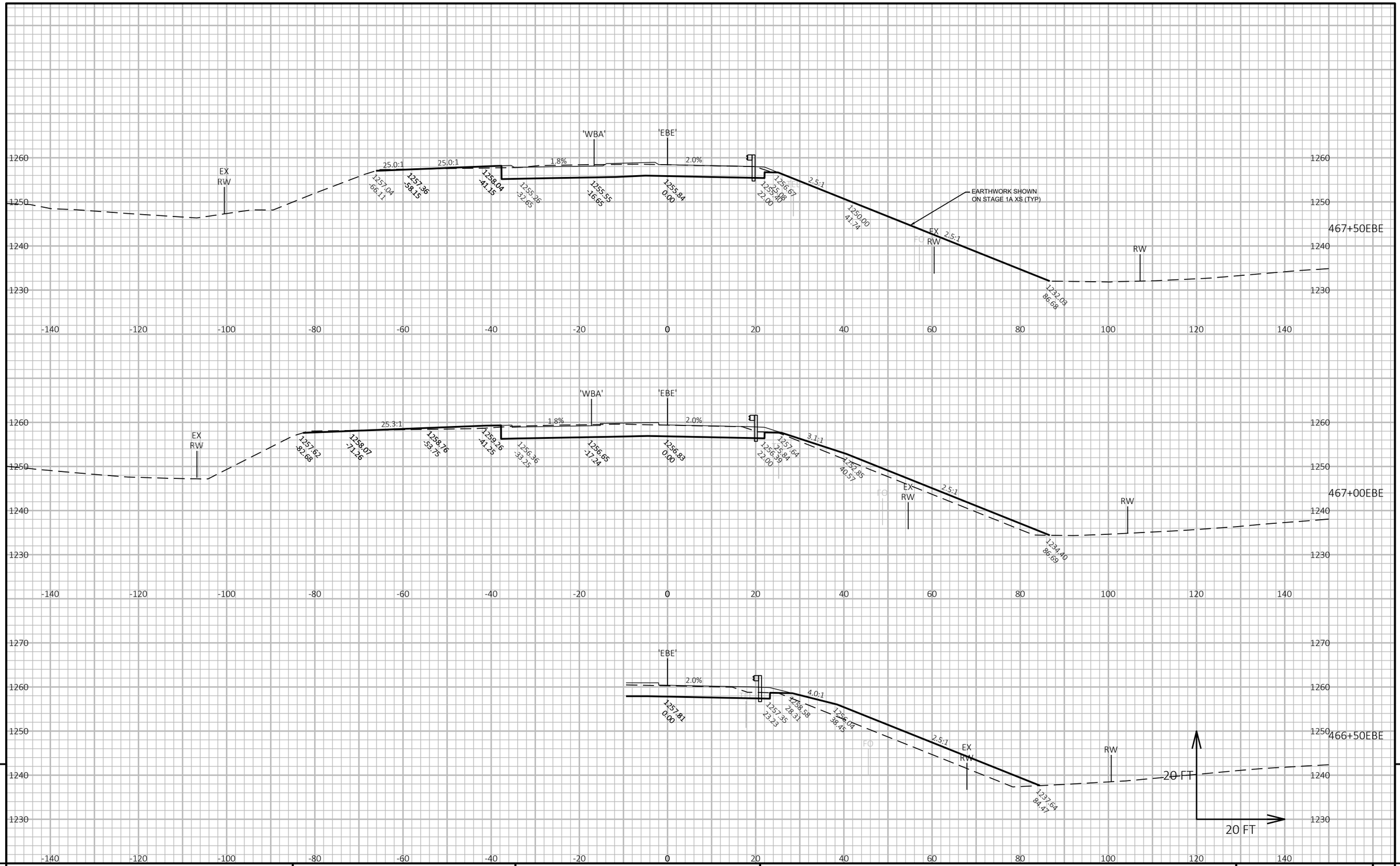
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 341	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_EBE

PLOT DATE : 6/15/2022 2:54 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 342	E

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LAYOUT NAME - 2_EBE

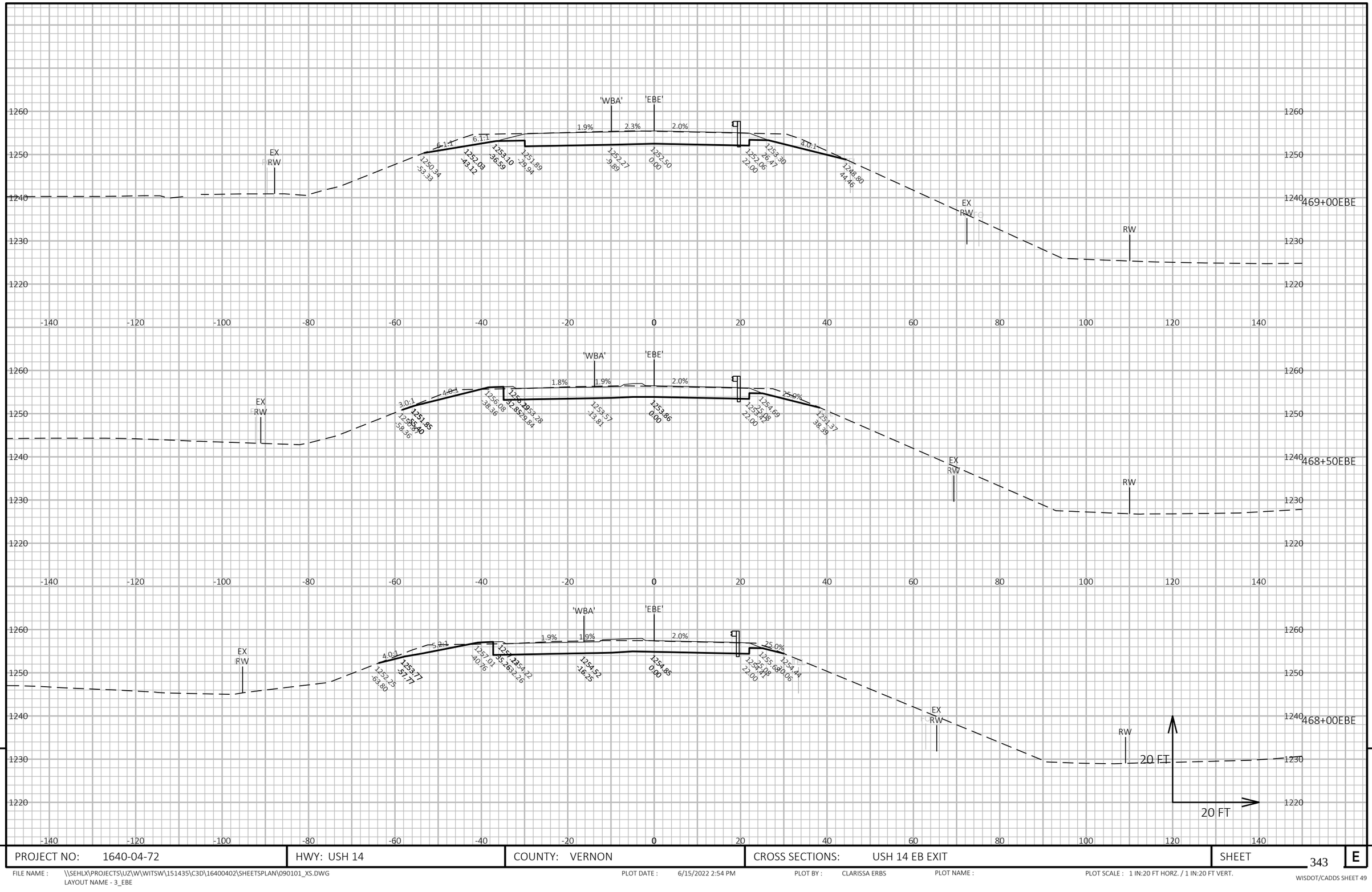
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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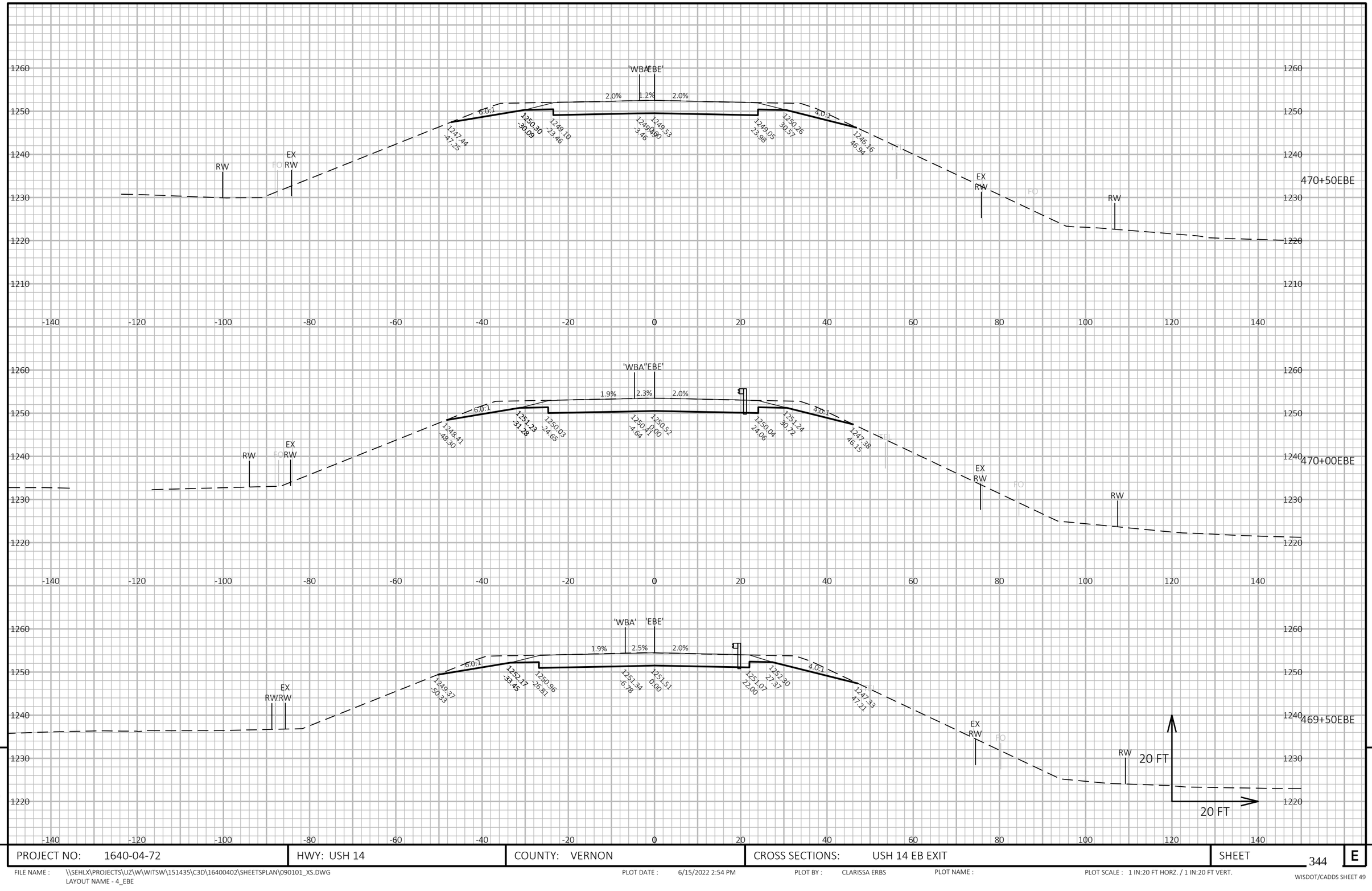
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FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 3_EBE

PLOT DATE : 6/15/2022 2:54 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 344	E

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LAYOUT NAME - 4_EBE

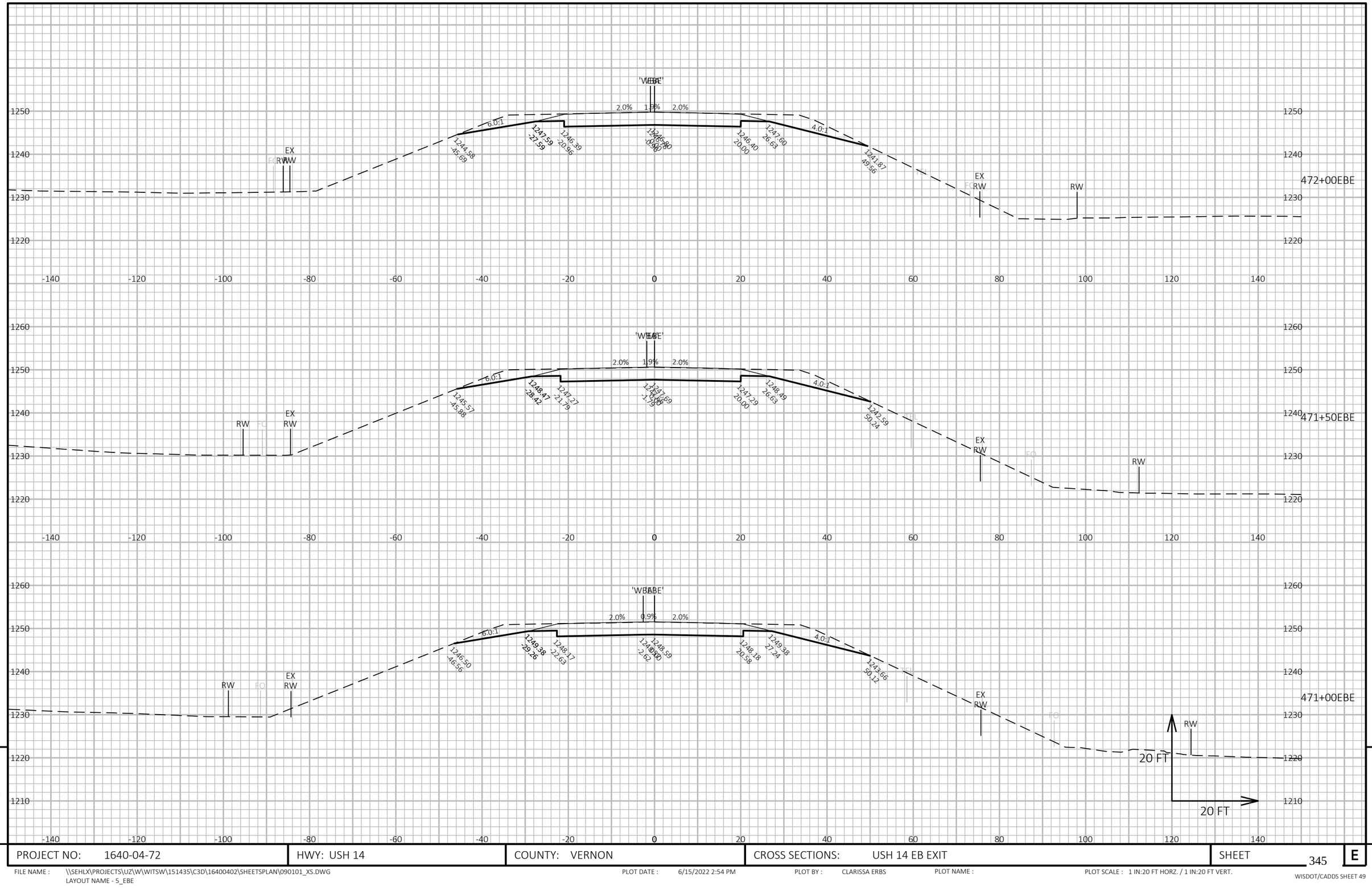
PLOT DATE : 6/15/2022 2:54 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 345	E

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LAYOUT NAME - 5_EBE

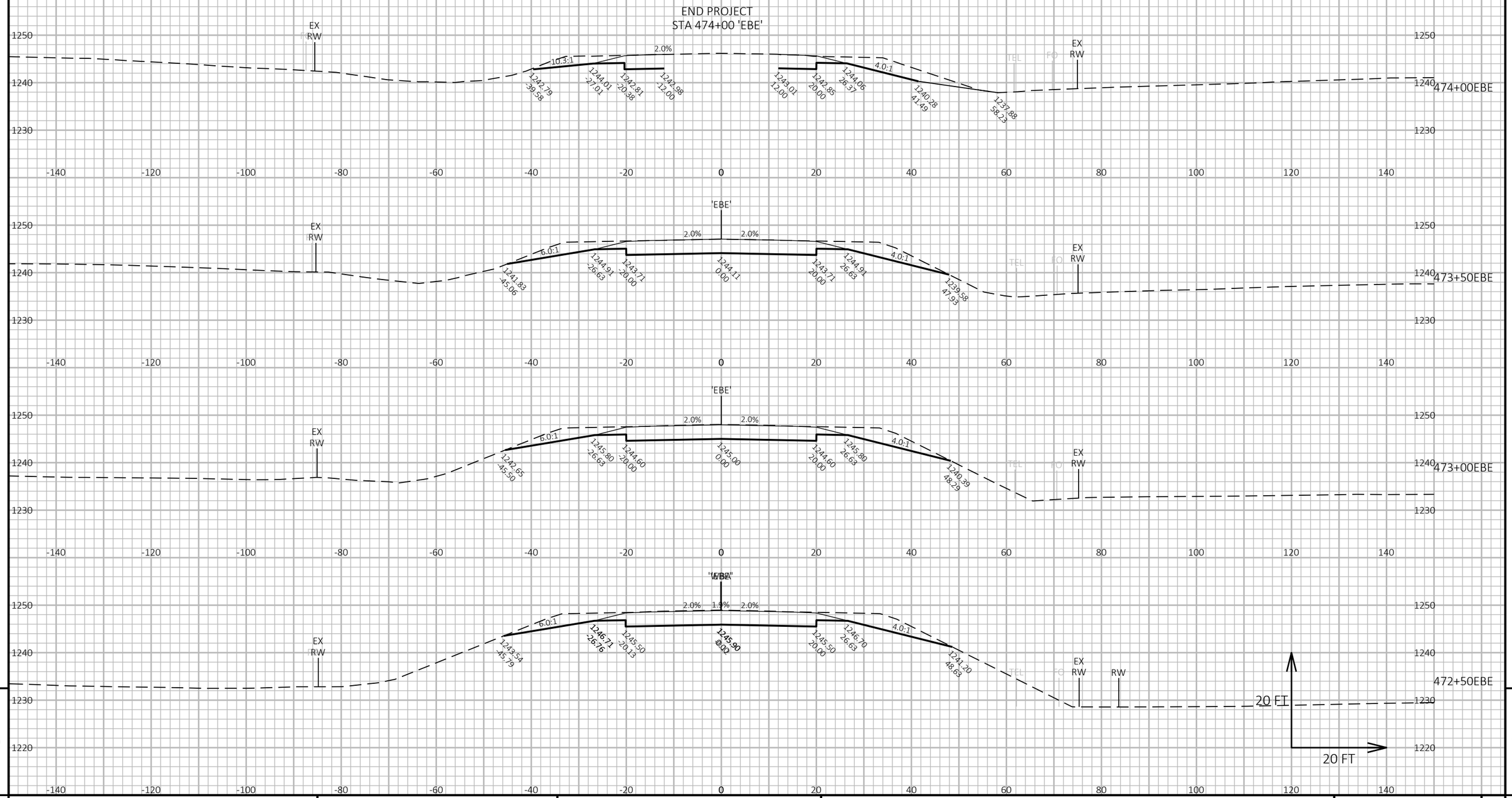
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

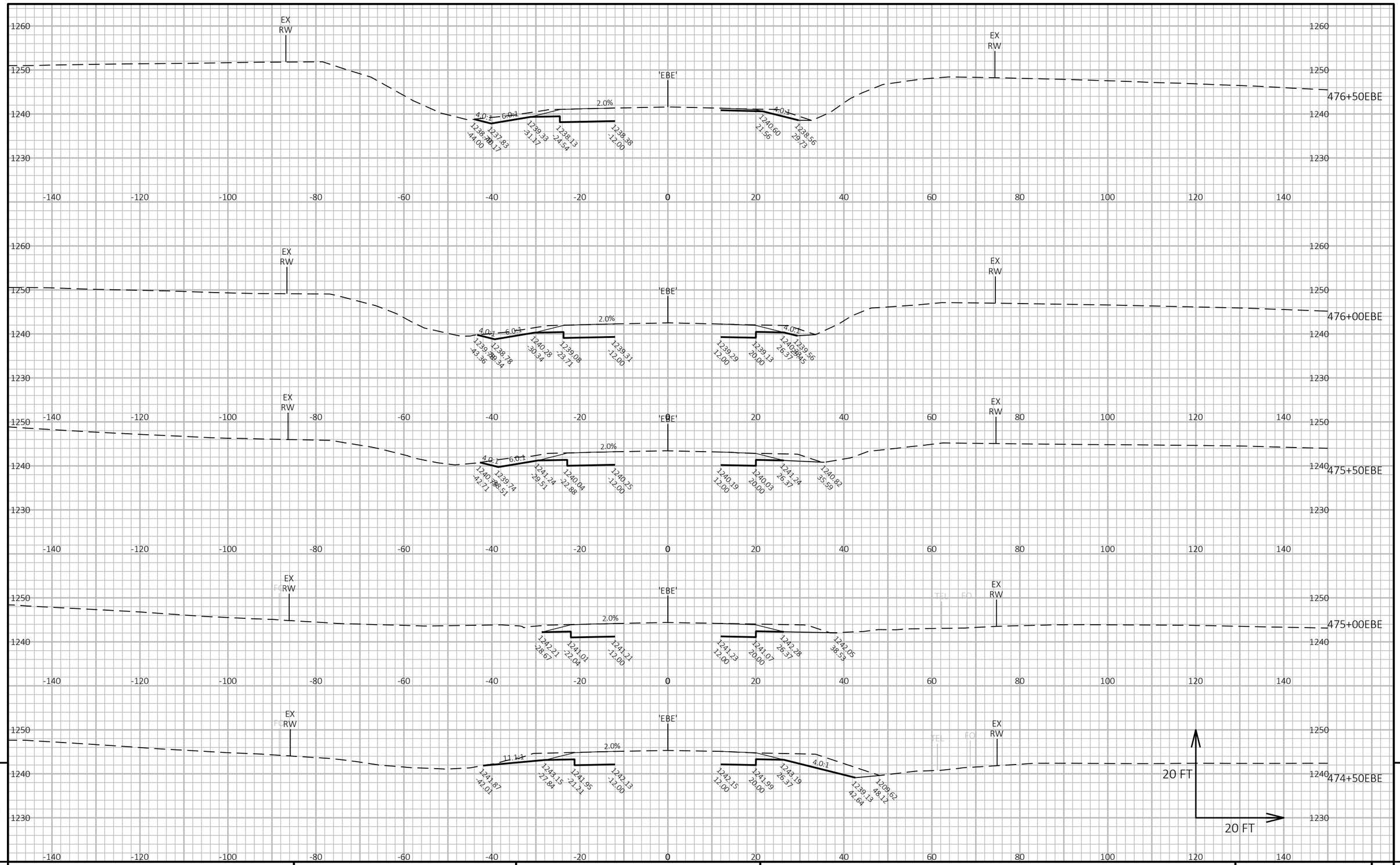


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 346	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 6_EBE

PLOT DATE : 6/15/2022 2:55 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 347	E

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LAYOUT NAME - 7_EBE

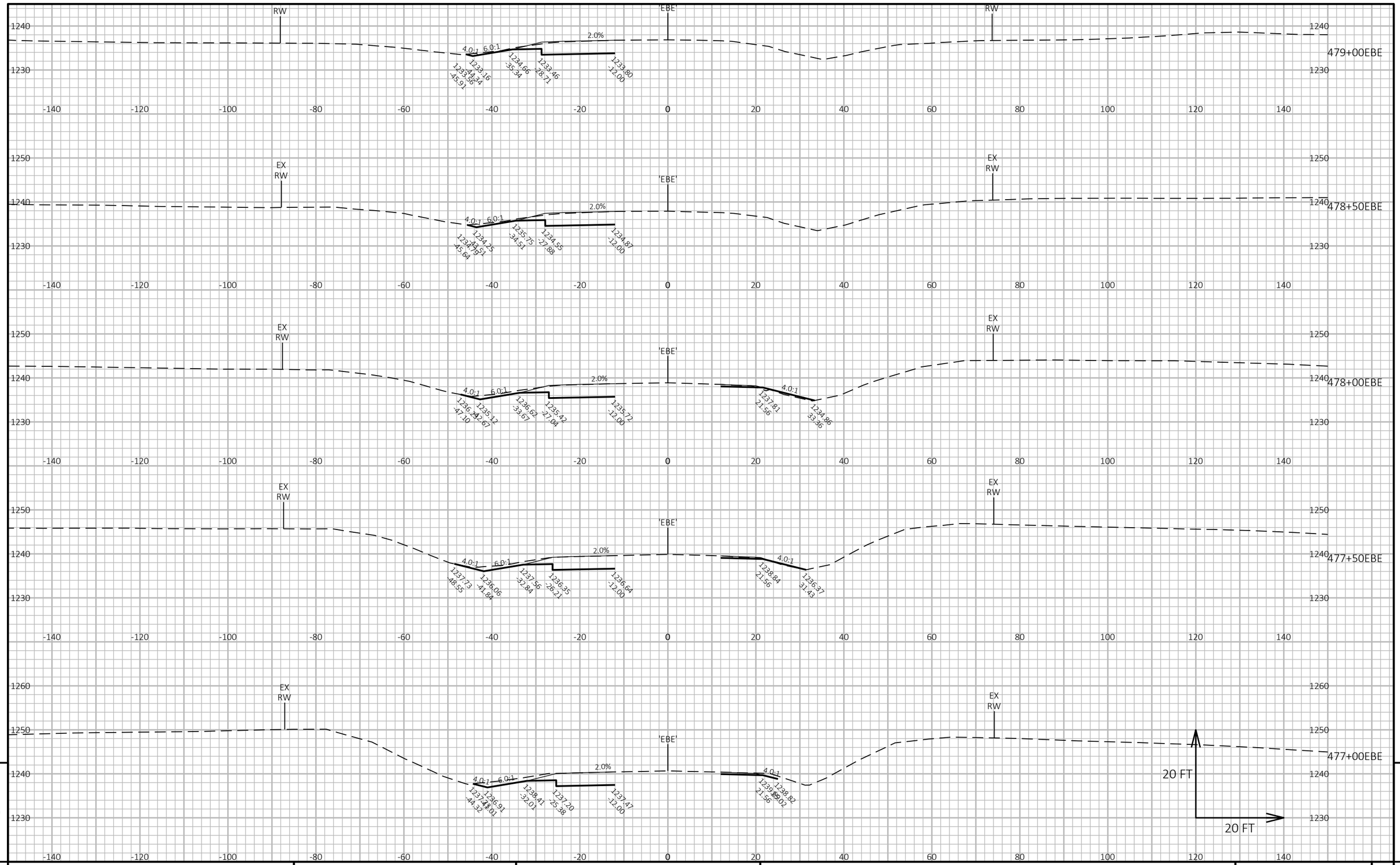
PLOT DATE : 6/15/2022 2:55 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



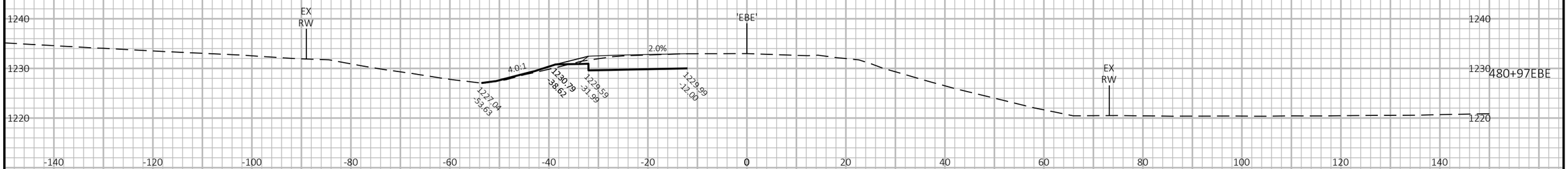
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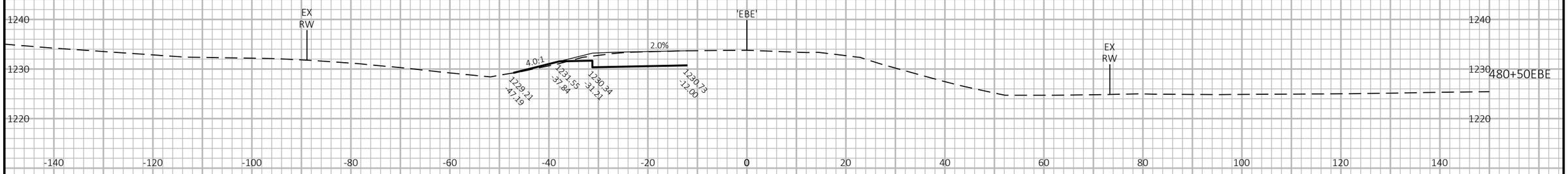
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LAYOUT NAME - 8_EBE

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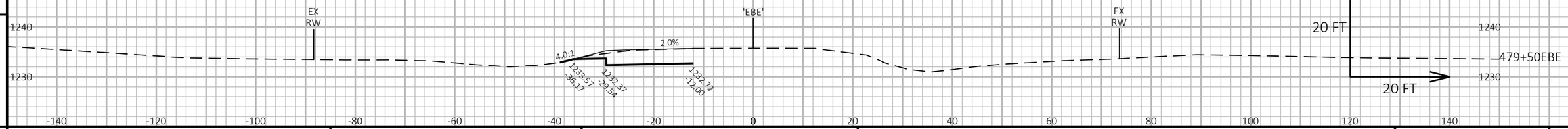
WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 480+97 'EBE'









9

9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 EB EXIT	SHEET 349	E

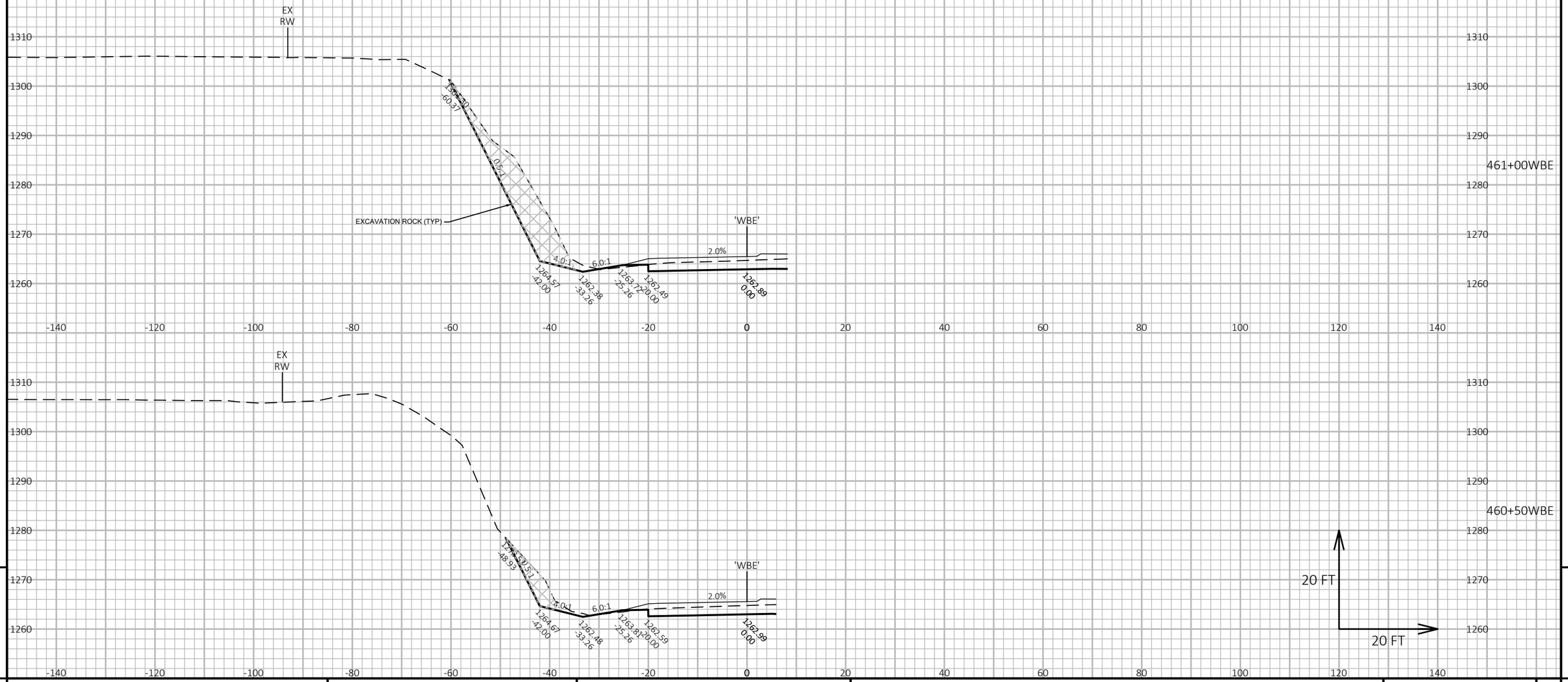
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LAYOUT NAME - 9_EBE

PLOT DATE : 6/15/2022 2:55 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 WB EXIT	SHEET 350	E

FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_WBE

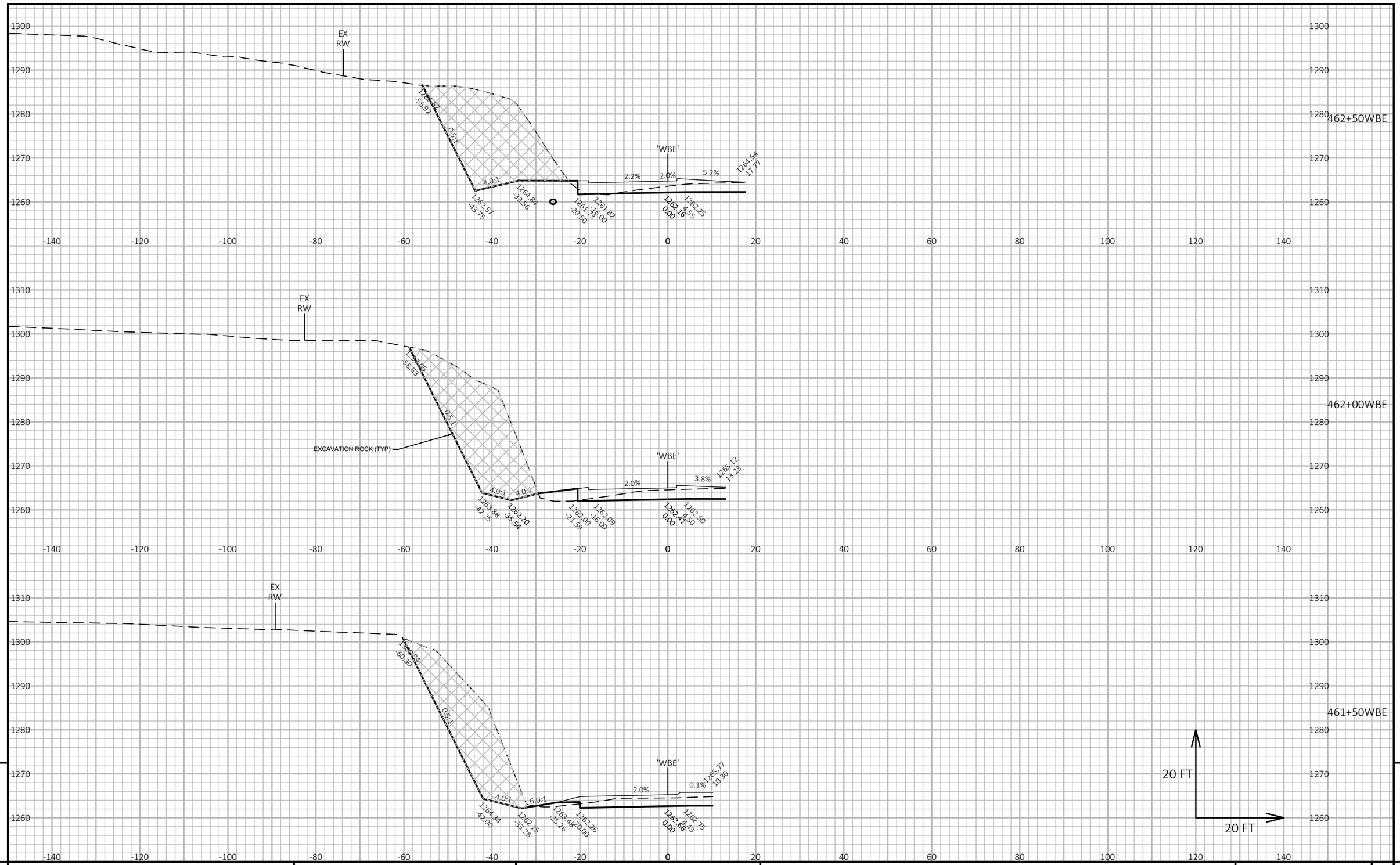
PLOT DATE : 7/29/2022 7:20 AM

PLOT BY : DEAN STODOLA

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

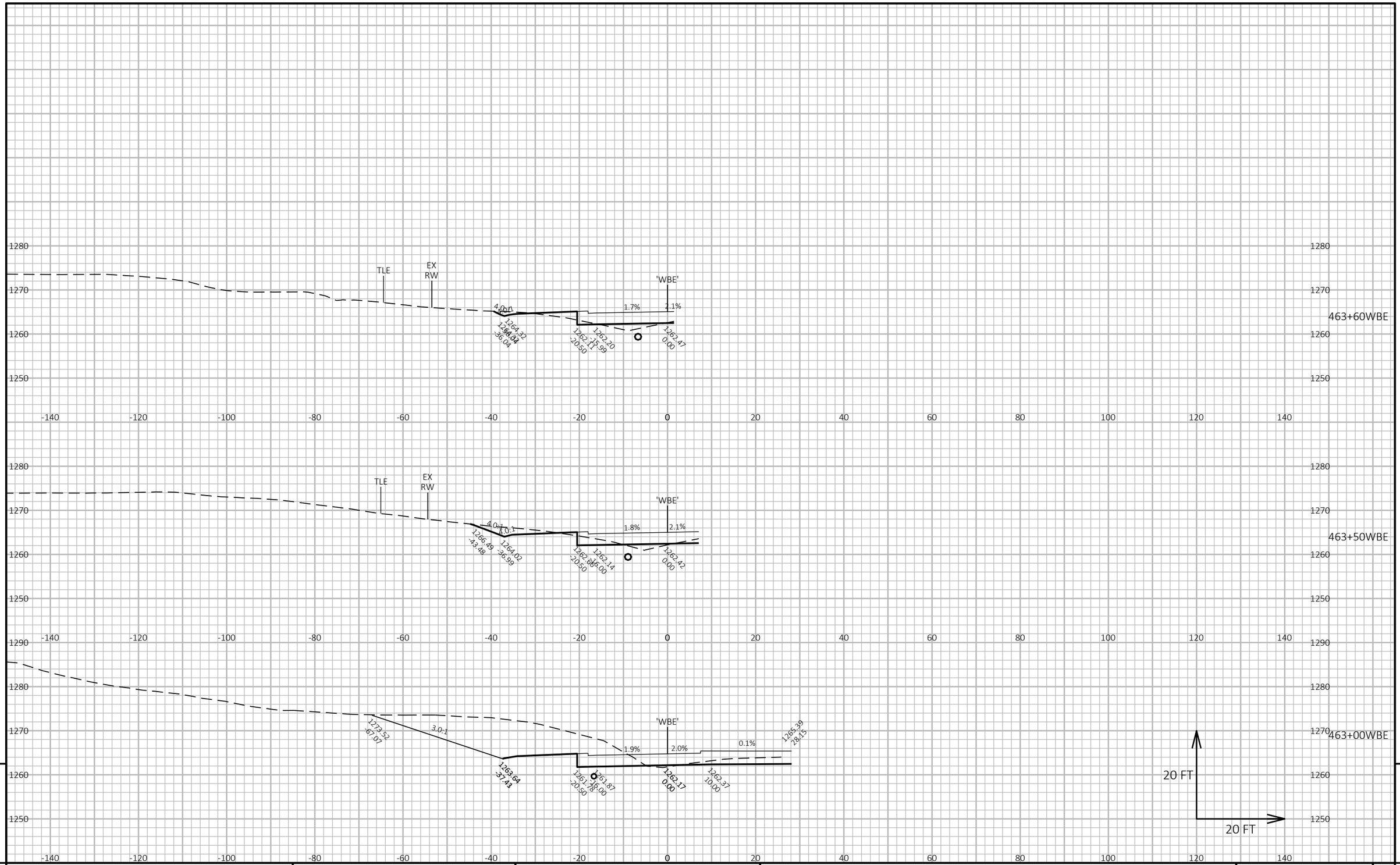
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FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 2_WBE

PLOT DATE : 7/29/2022 7:20 AM PLOT BY : DEAN STODOLA PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

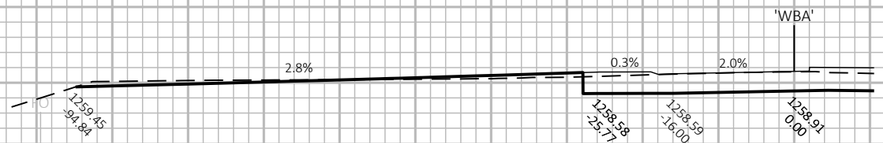
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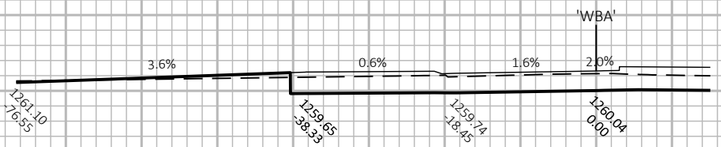
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LAYOUT NAME - 3_WBE

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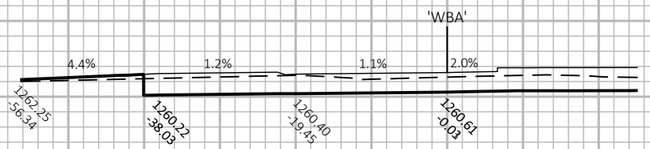
WISDOT/CADDS SHEET 49



466+00WBA



465+50WBA





465+17.46WB

9

9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: USH 14 WB ENTRANCE	SHEET 353	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_WBA

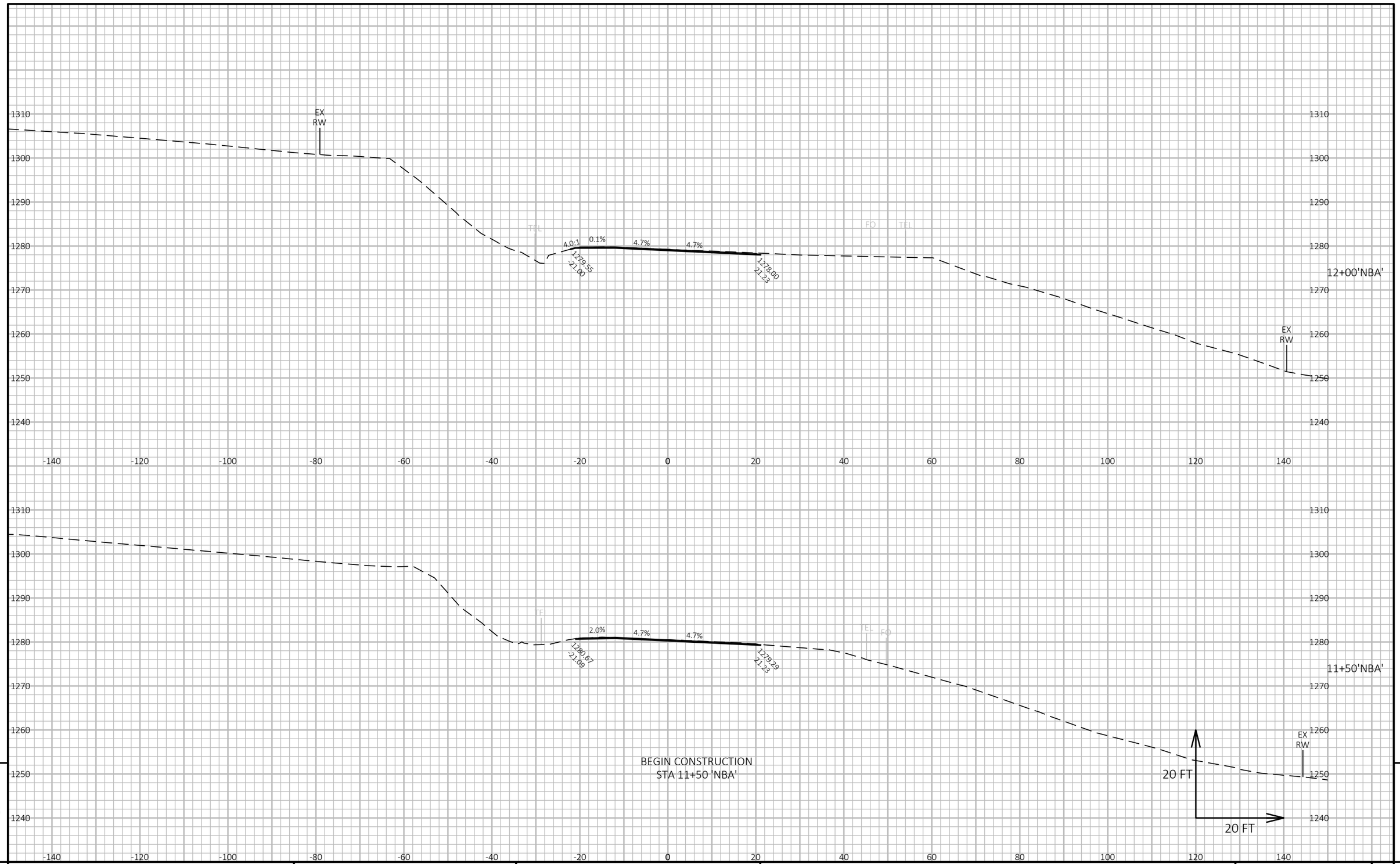
PLOT DATE : 6/15/2022 2:55 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

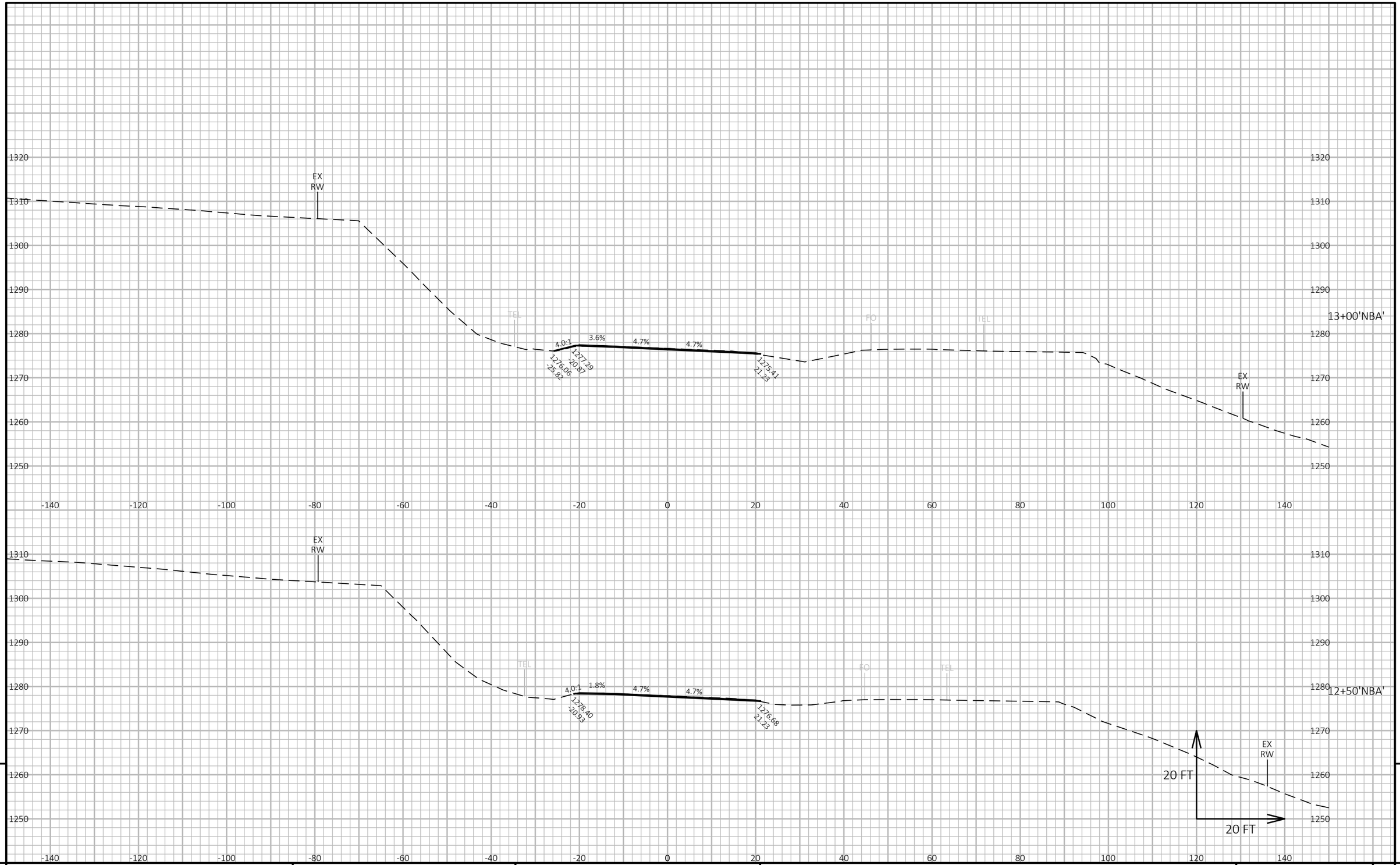
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 NB	SHEET 354	E

FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_NBE

PLOT DATE : 6/15/2022 2:58 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

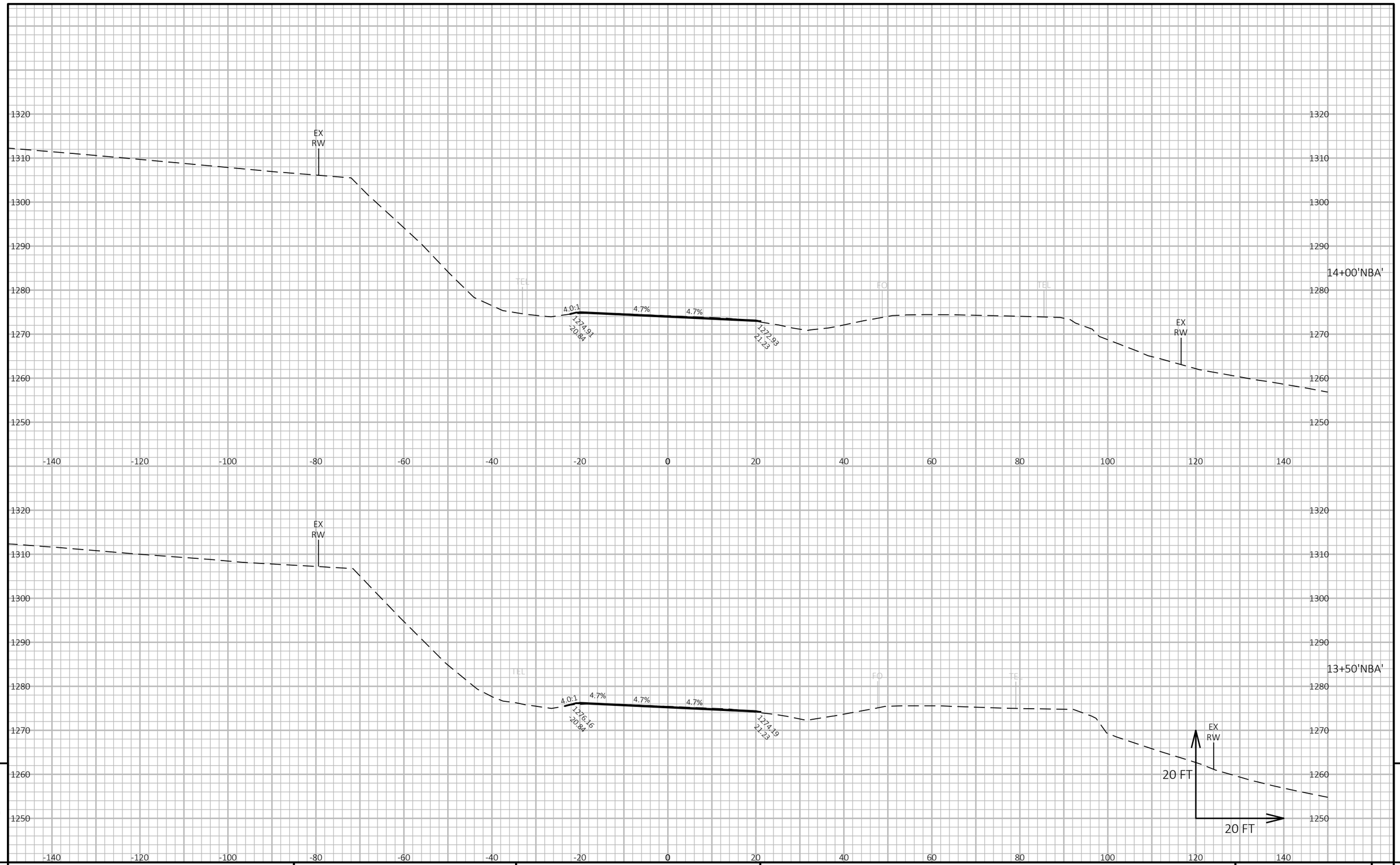


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FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 2_NBE

PLOT DATE : 6/15/2022 2:58 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 NB	SHEET 356	E

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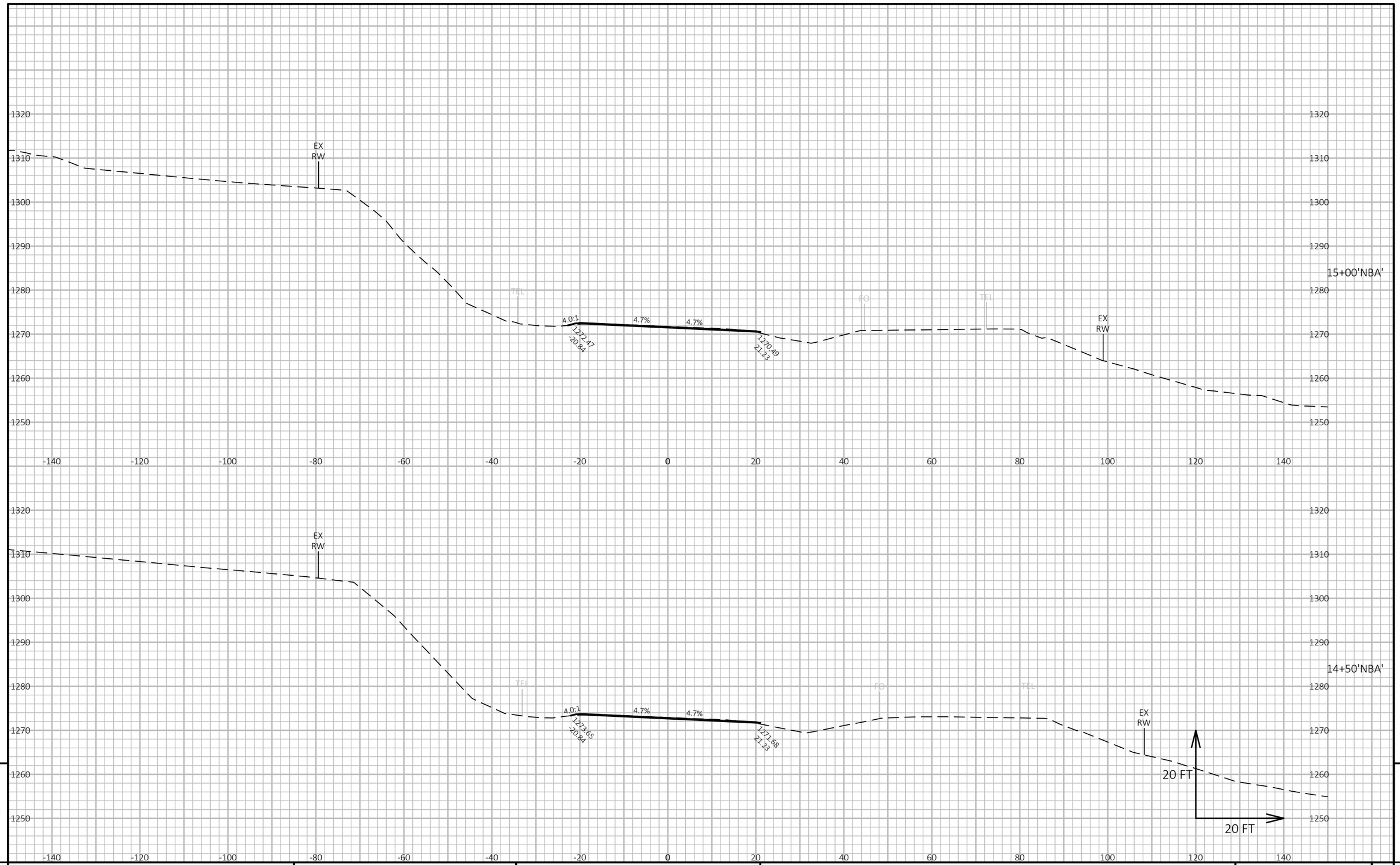
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 NB	SHEET 357	E

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LAYOUT NAME - 4_NBE

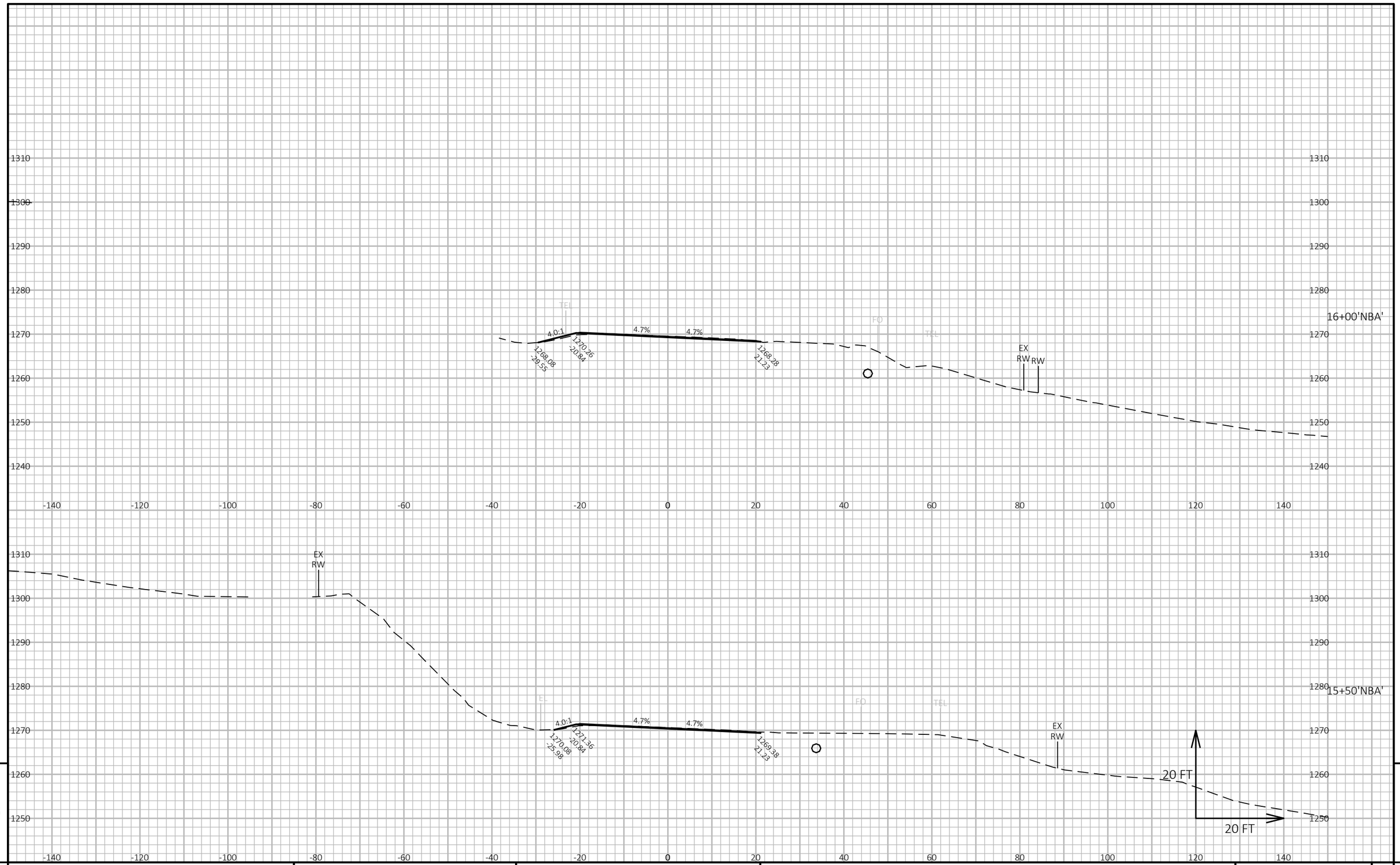
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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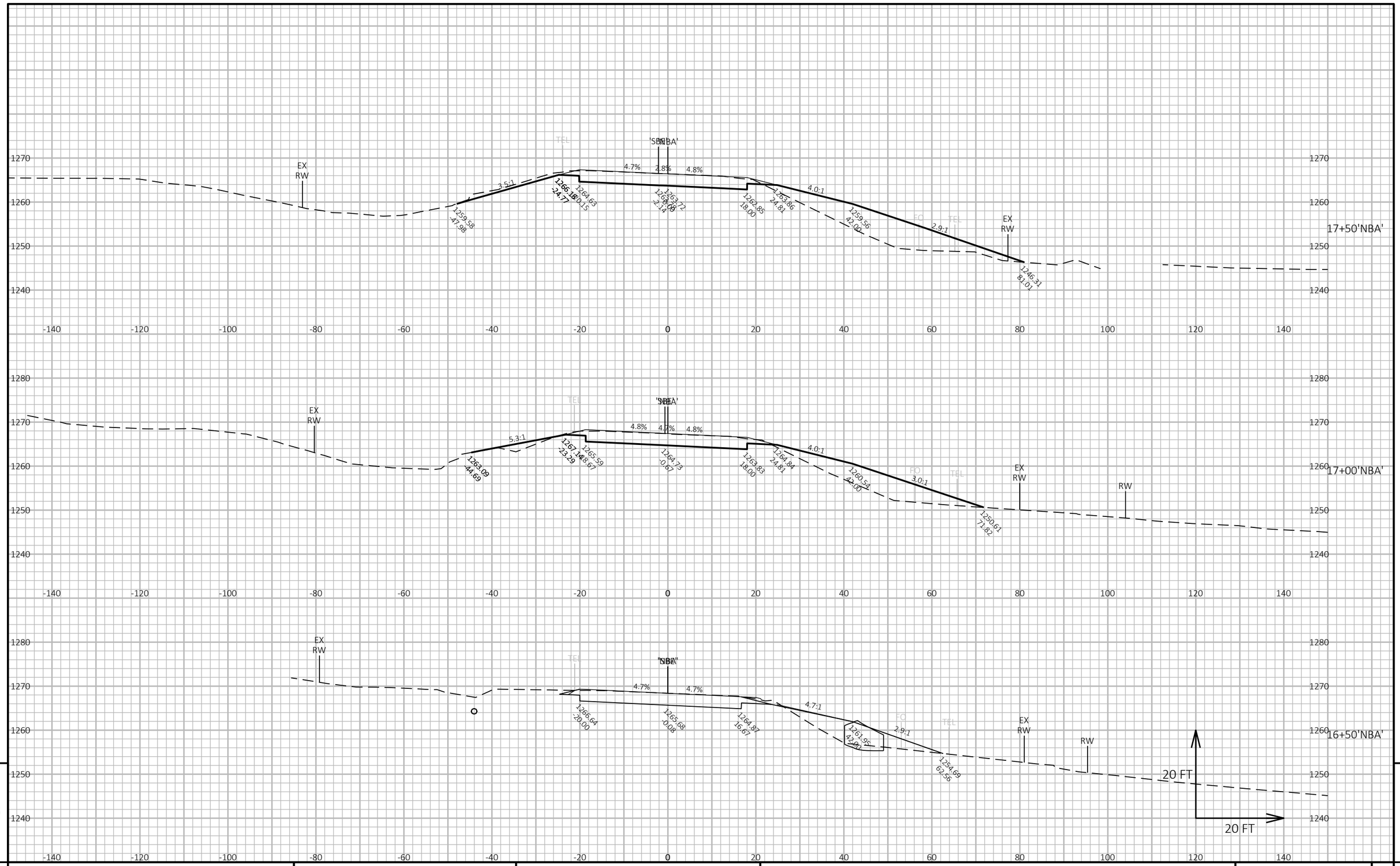
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 NB	SHEET 358	E

FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 5_NBE

PLOT DATE : 6/15/2022 2:58 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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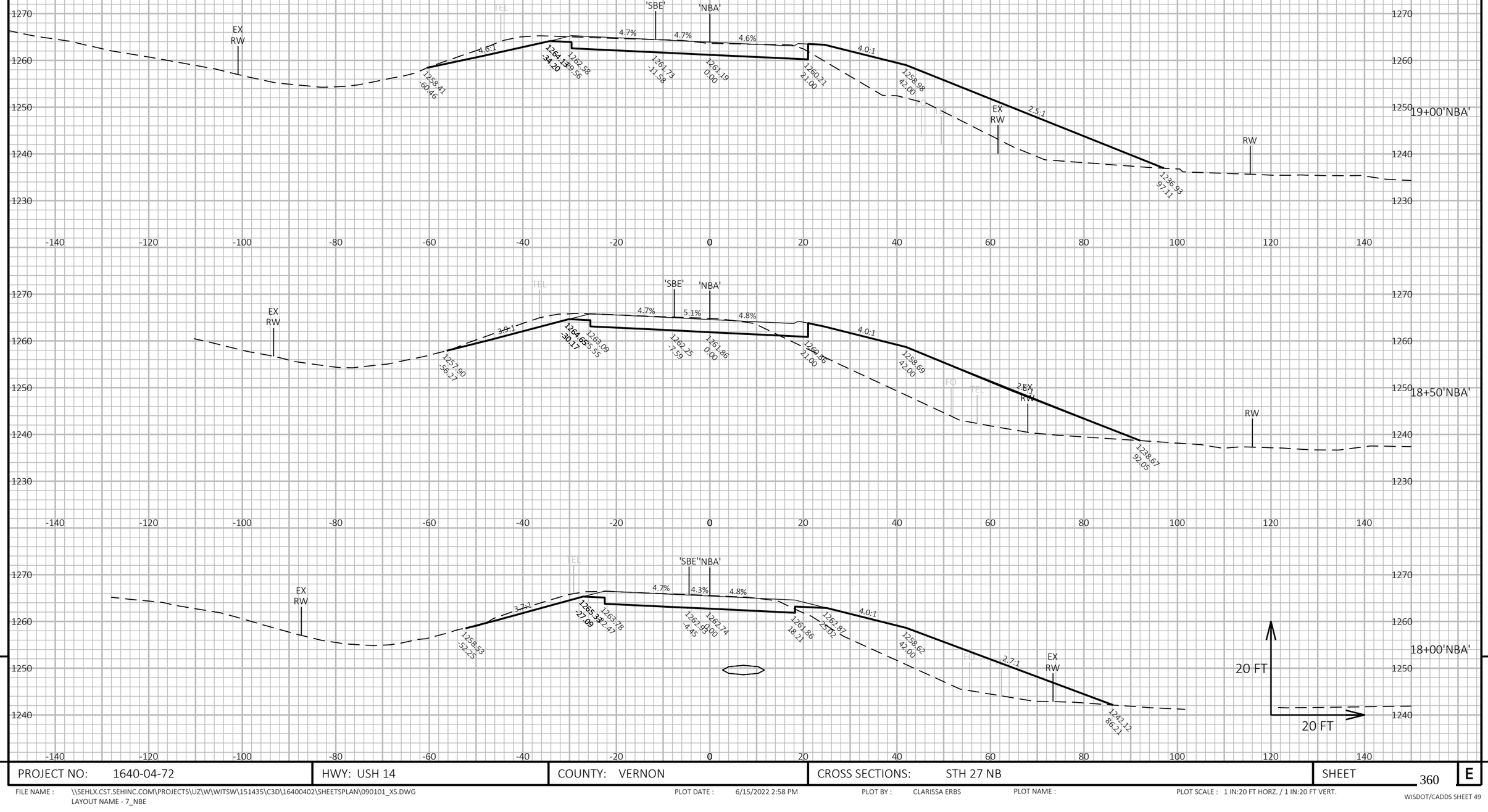
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FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 6_NBE

PLOT DATE : 6/15/2022 2:58 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 NB	SHEET 360	E

FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 7_NBE

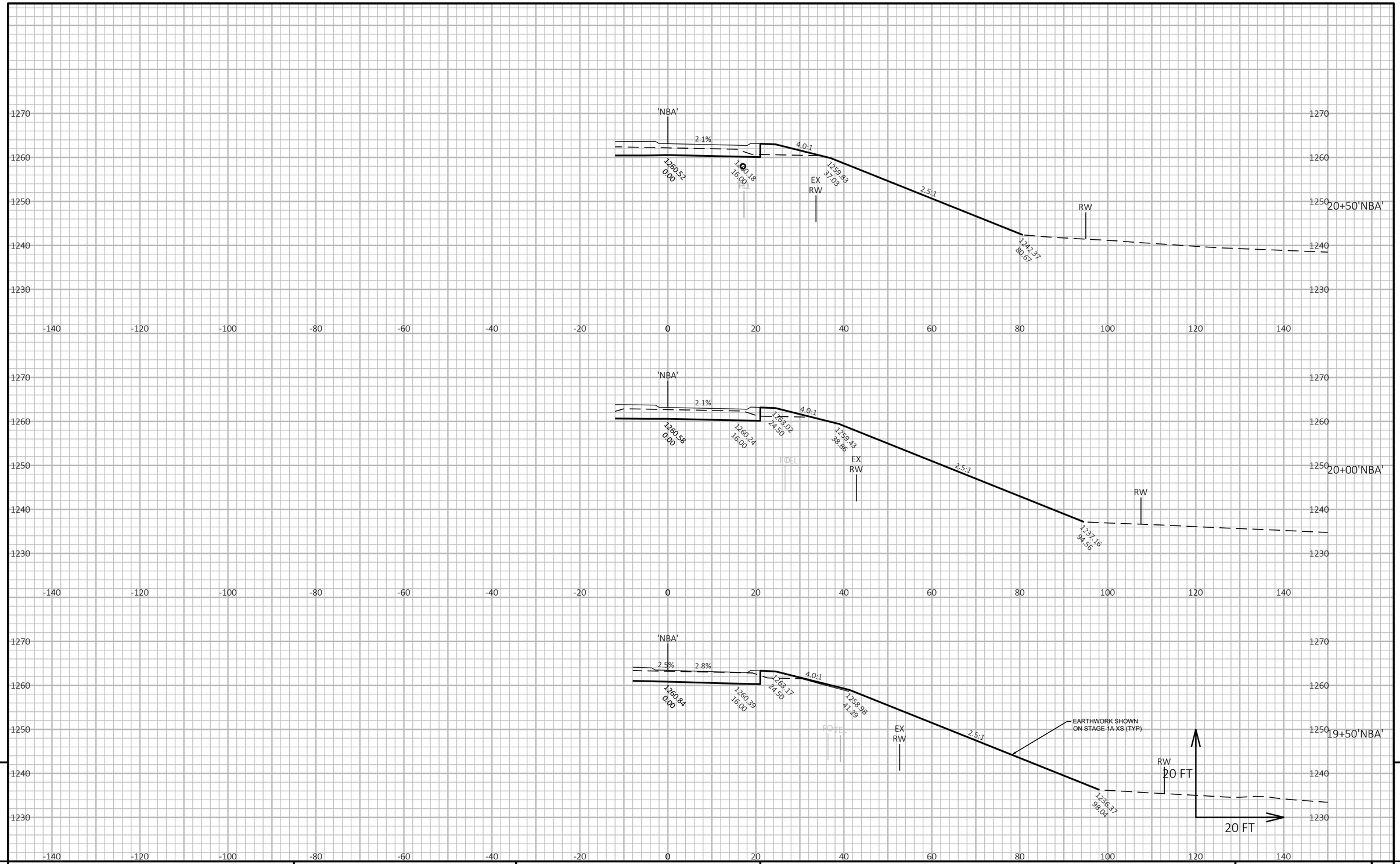
PLOT DATE : 6/15/2022 2:58 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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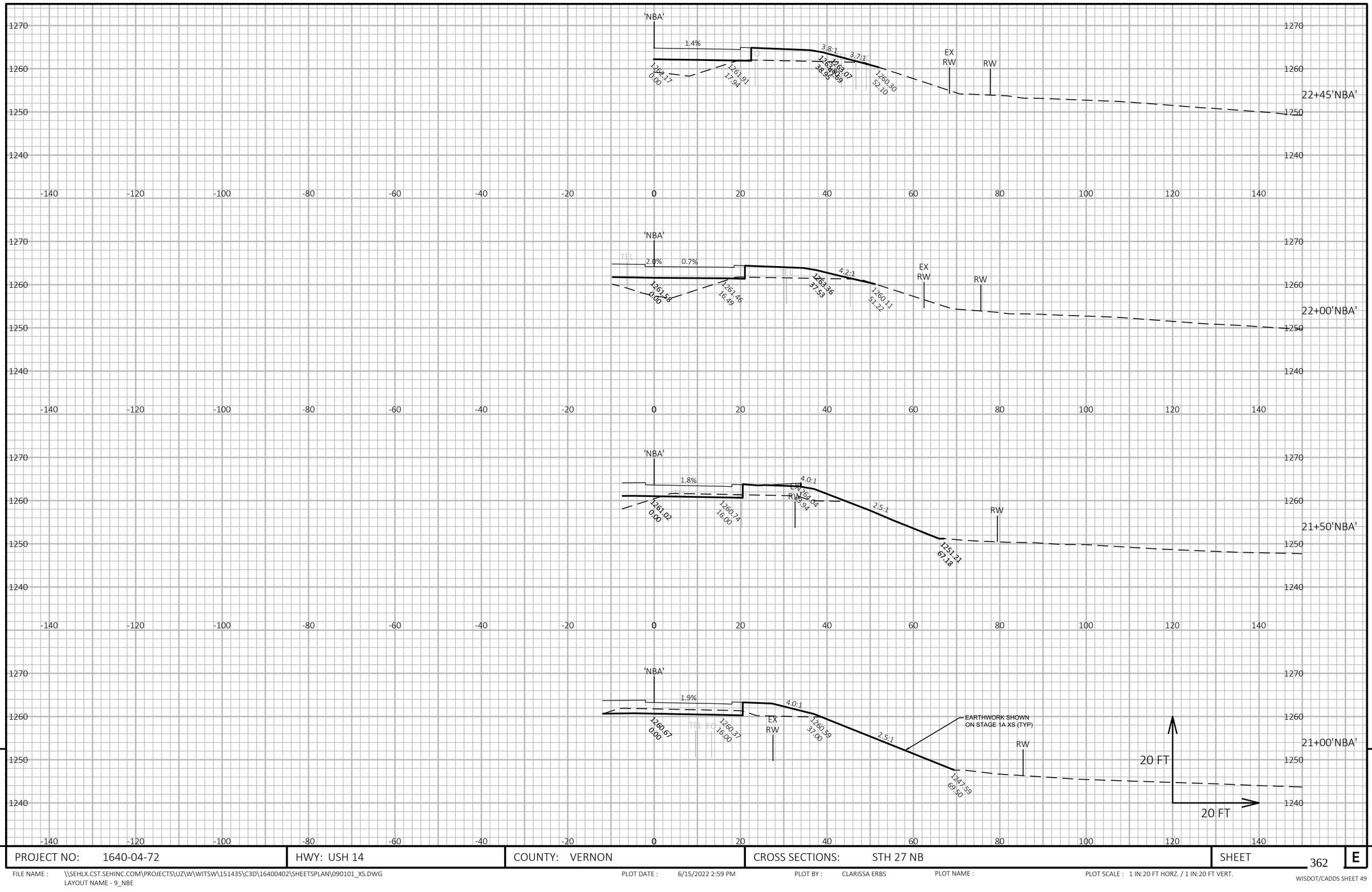
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FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 8_NBE

PLOT DATE : 6/15/2022 2:59 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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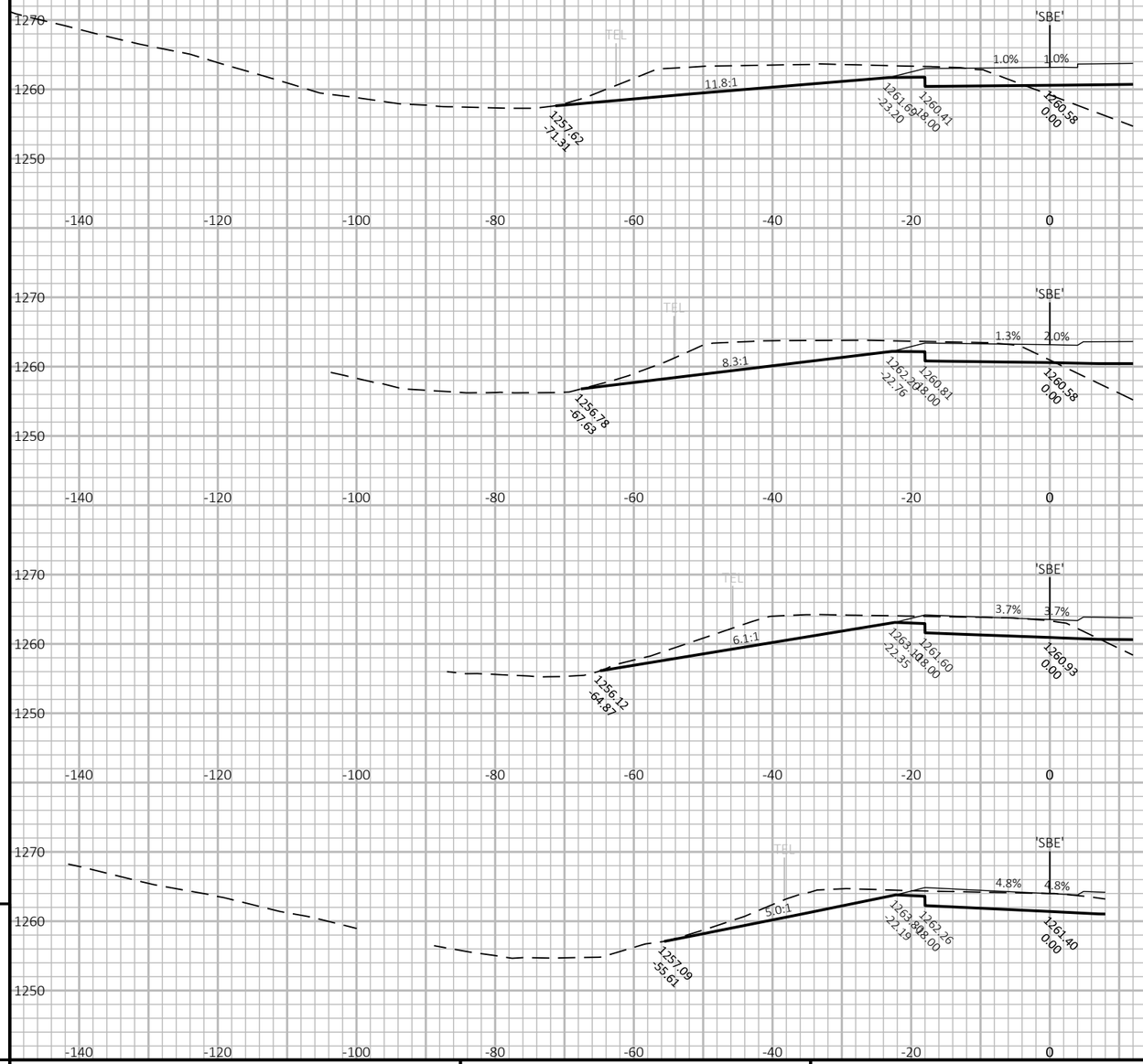
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 NB	SHEET 362	E

FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 9_NBE

PLOT DATE : 6/15/2022 2:59 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 SB	SHEET 363 E

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LAYOUT NAME - 1_SBE

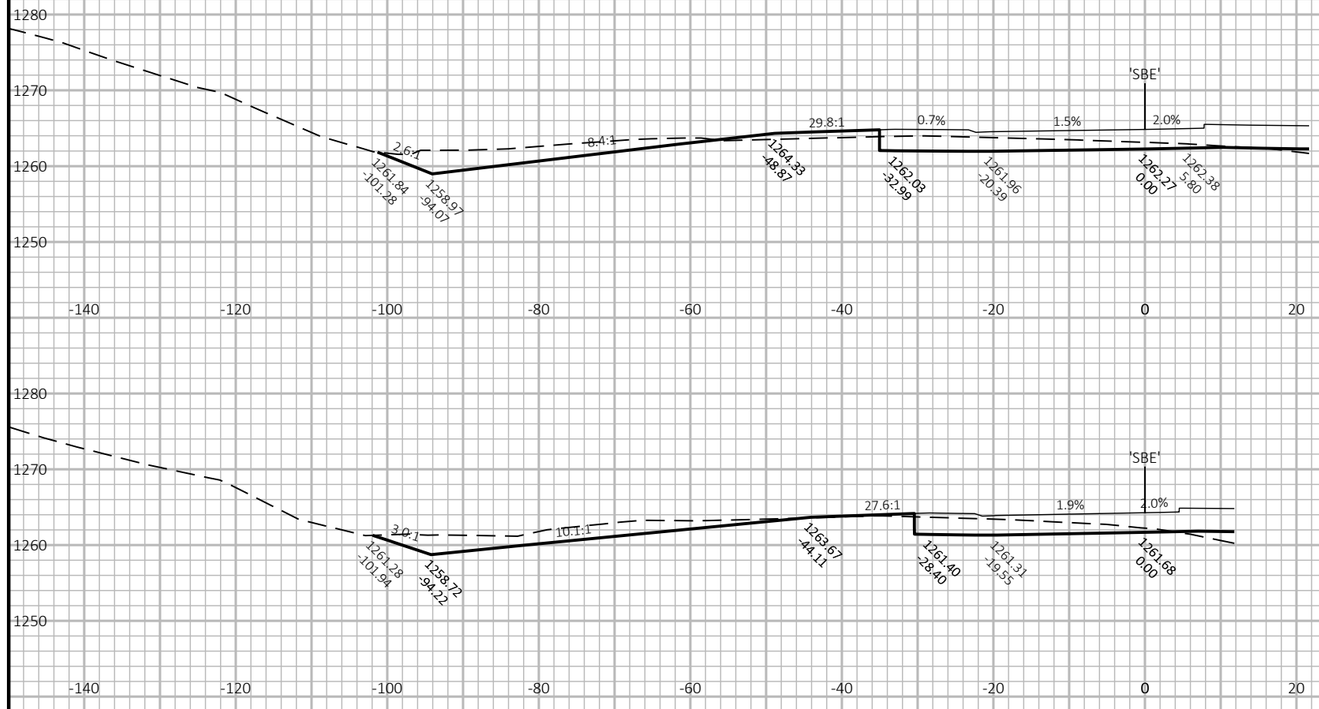
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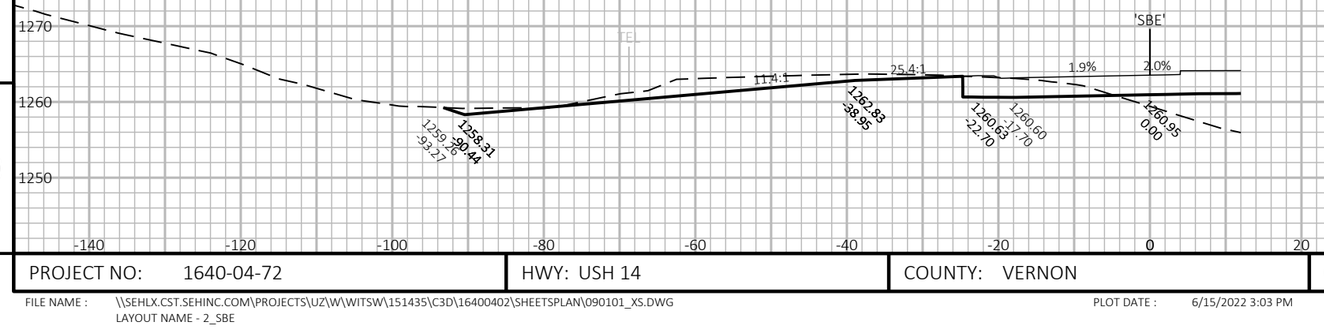
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PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

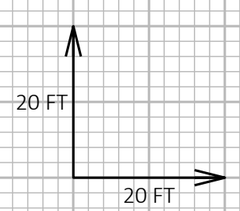




22+30'SBE'

22+00'SBE'

21+50'SBE'



9

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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: STH 27 SB	SHEET 364	E

FILE NAME : \\SEHLX.CST.SEHINC.COM\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 2_SBE

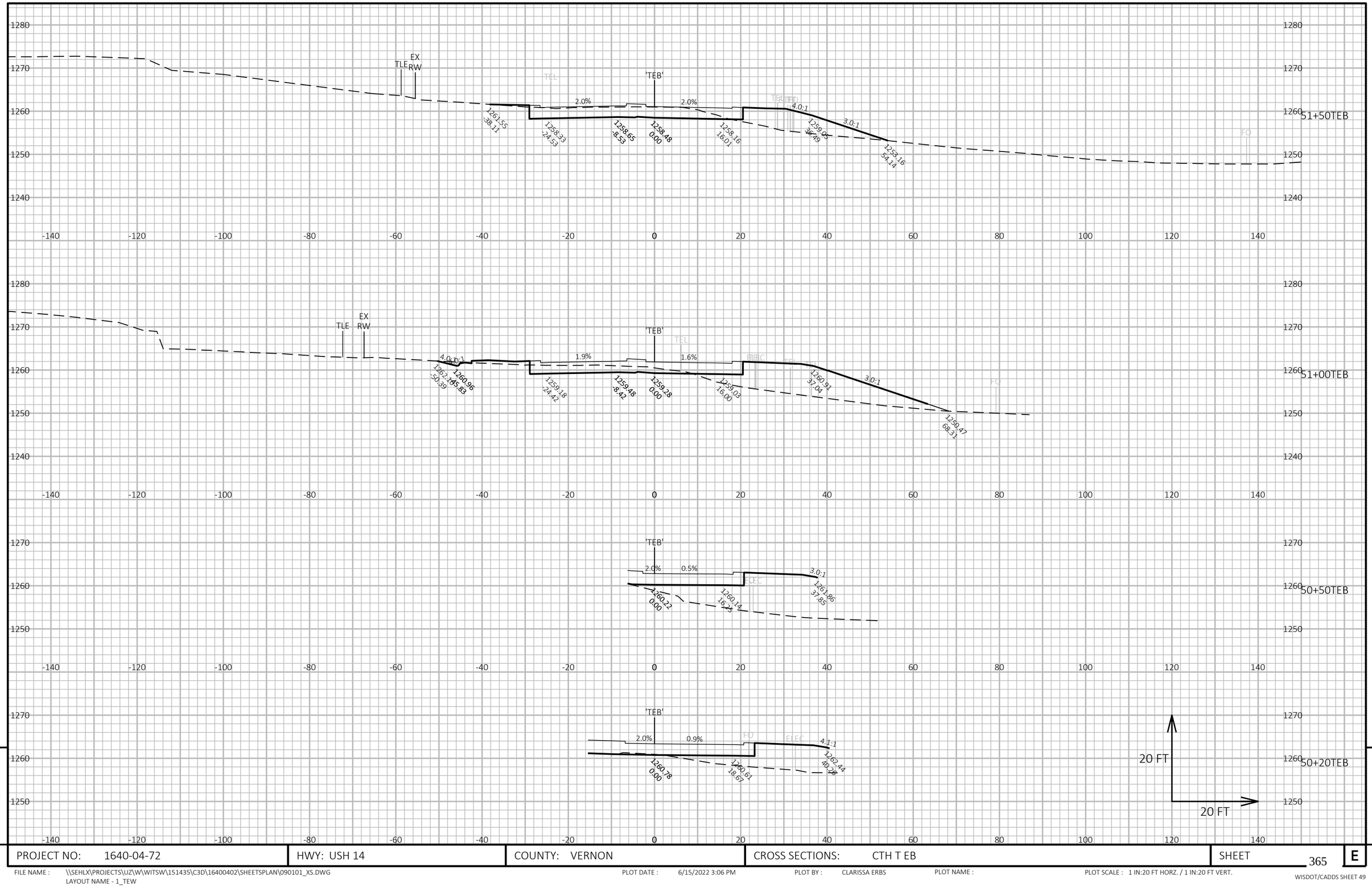
PLOT DATE : 6/15/2022 3:03 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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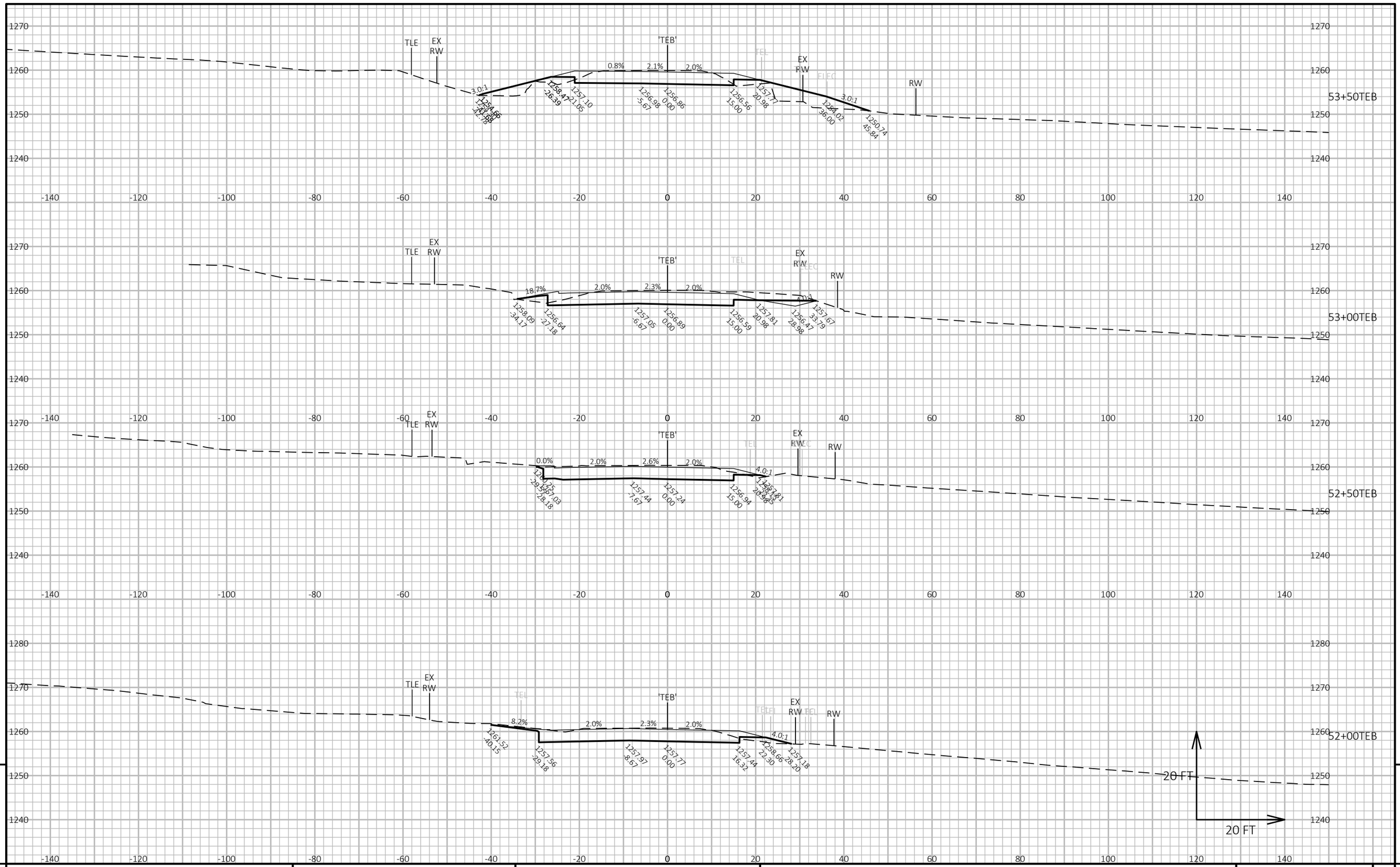
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: CTH T EB	SHEET 365	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_TEW

PLOT DATE : 6/15/2022 3:06 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

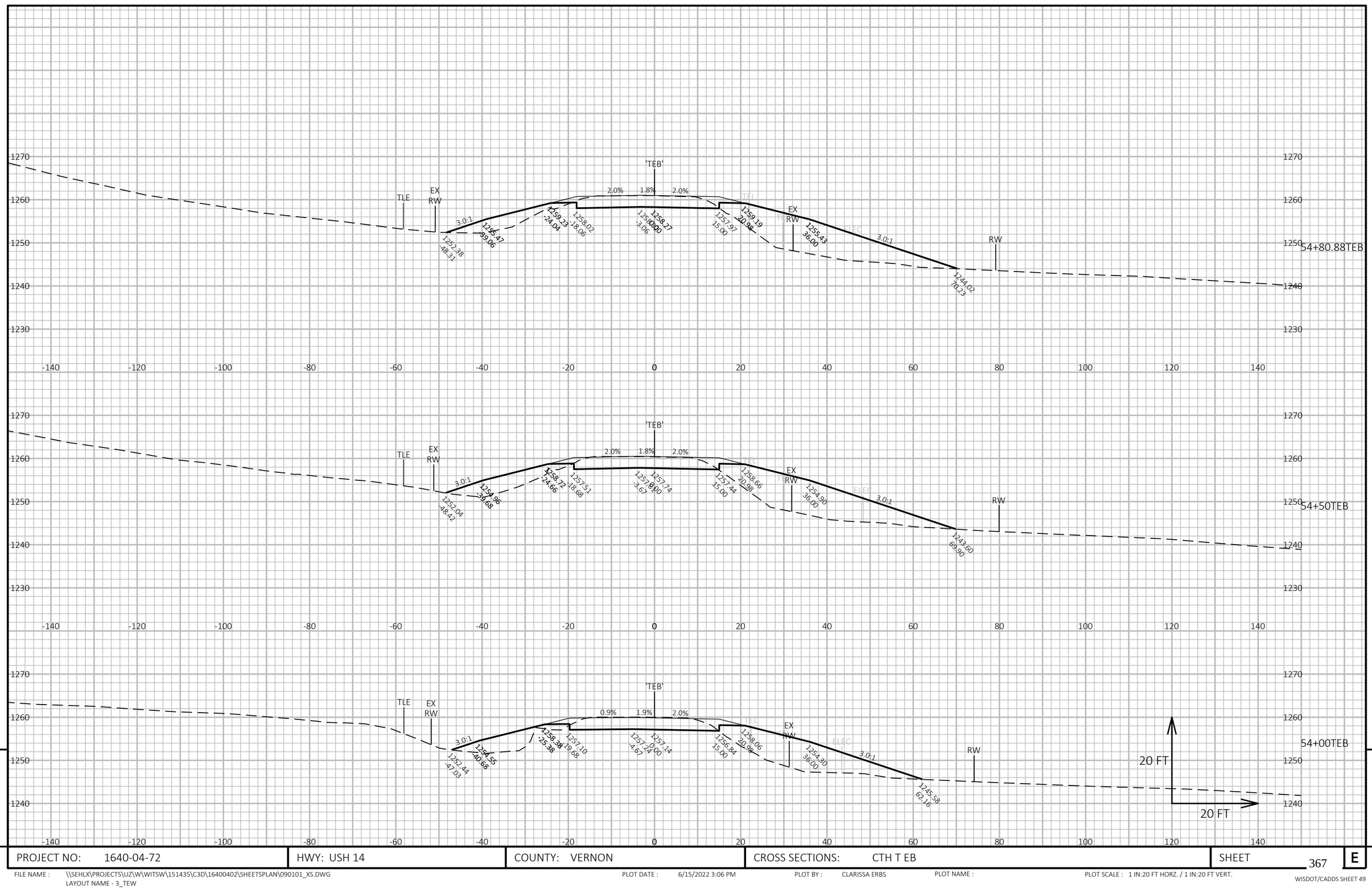


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: CTH T EB	SHEET 366	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 2_TEW

PLOT DATE : 6/15/2022 3:06 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: CTH T EB	SHEET 367	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 3_TEW

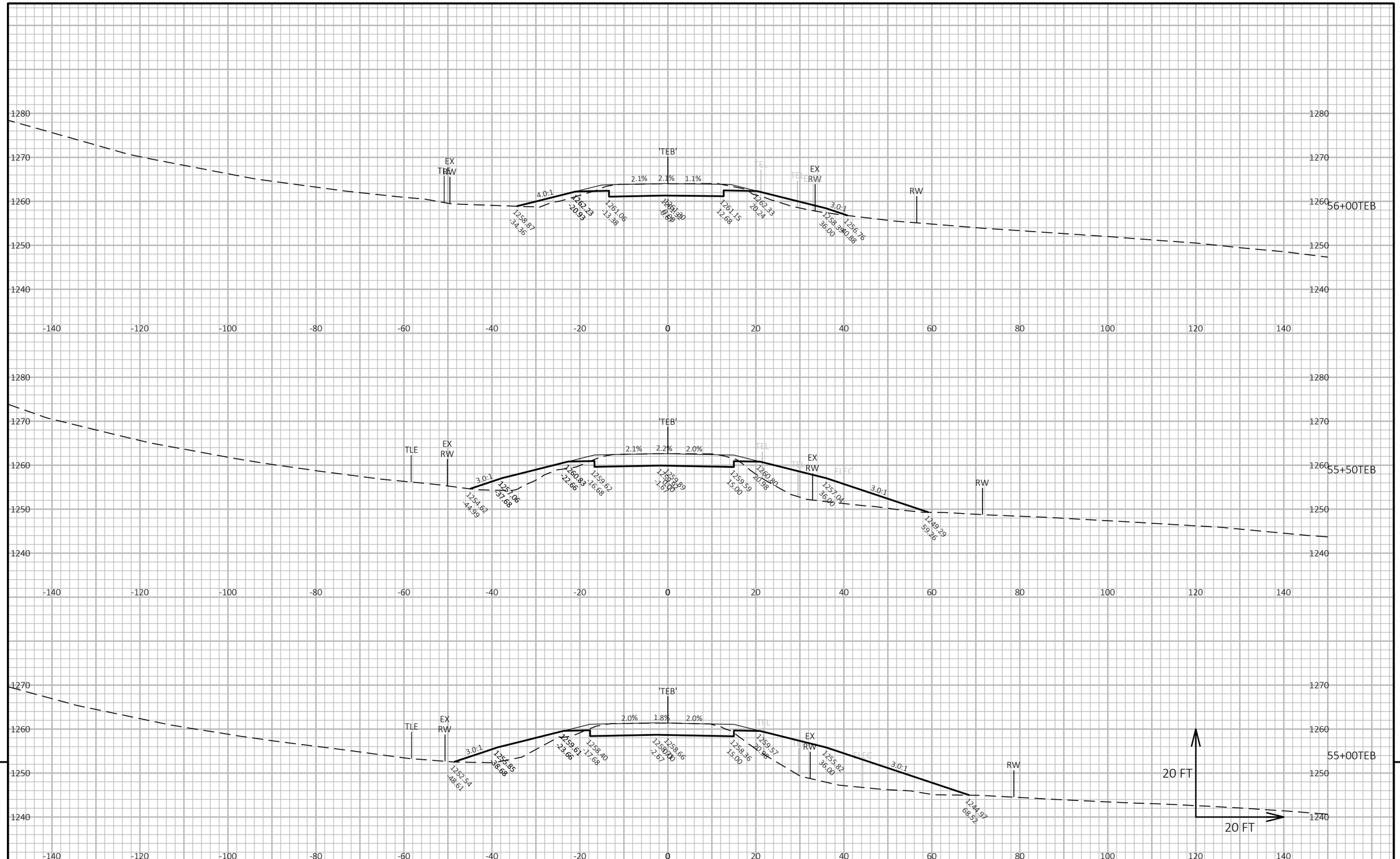
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: CTH T EB	SHEET 368	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 4_TEW

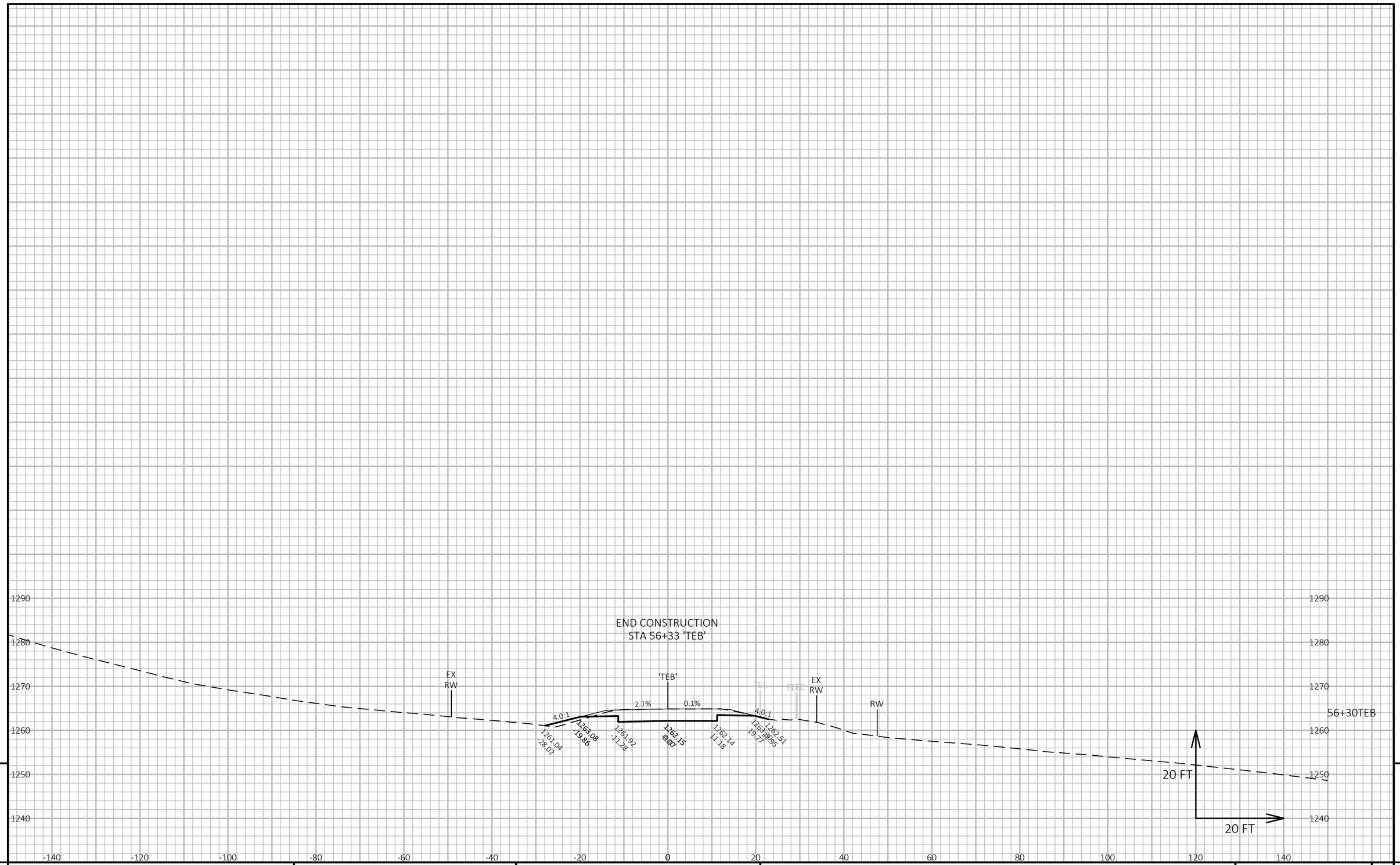
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: CTH T EB	SHEET 369	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 5_TEW

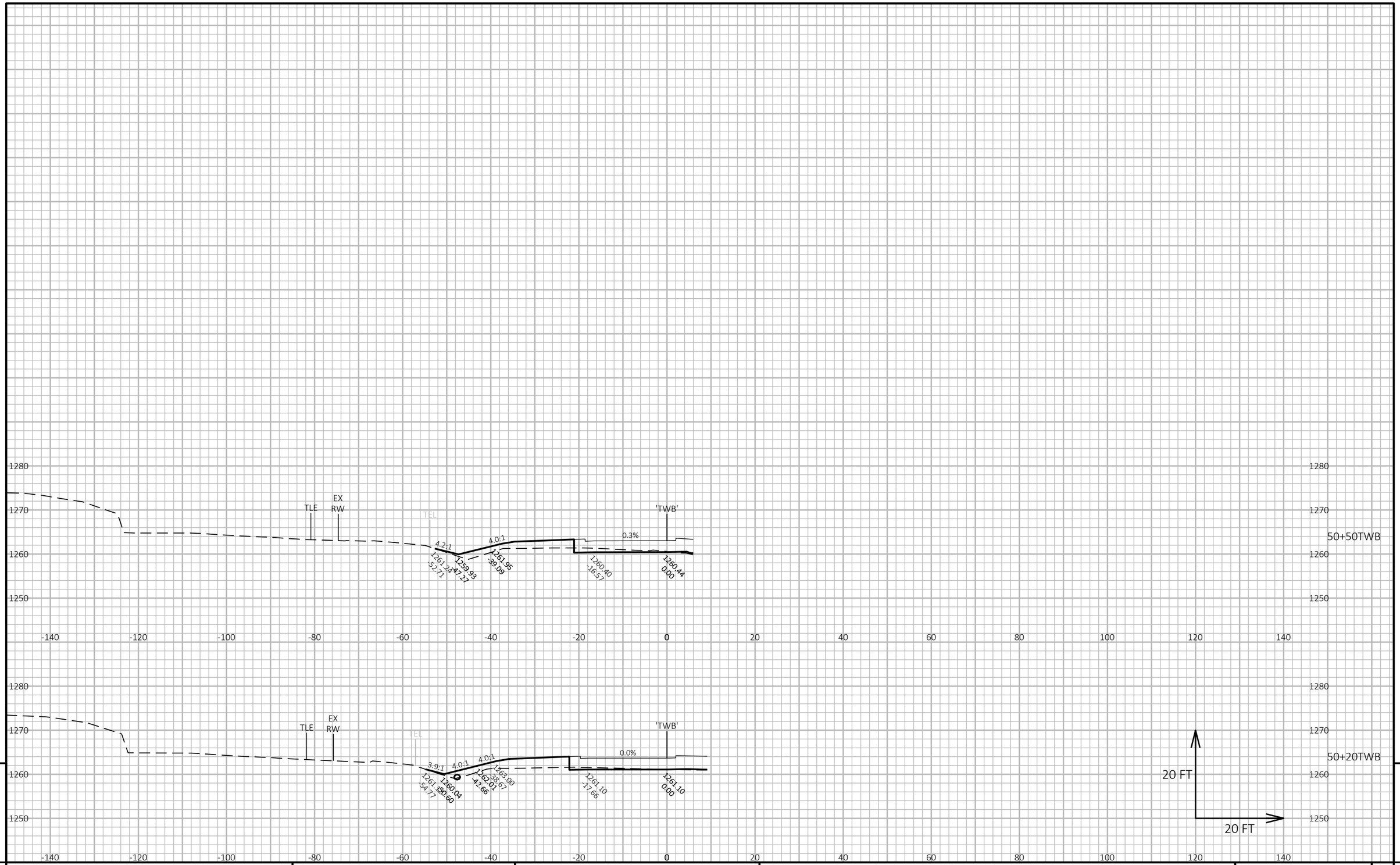
PLOT DATE : 6/15/2022 3:06 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: CTH T WB	SHEET 370	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 1_TWB

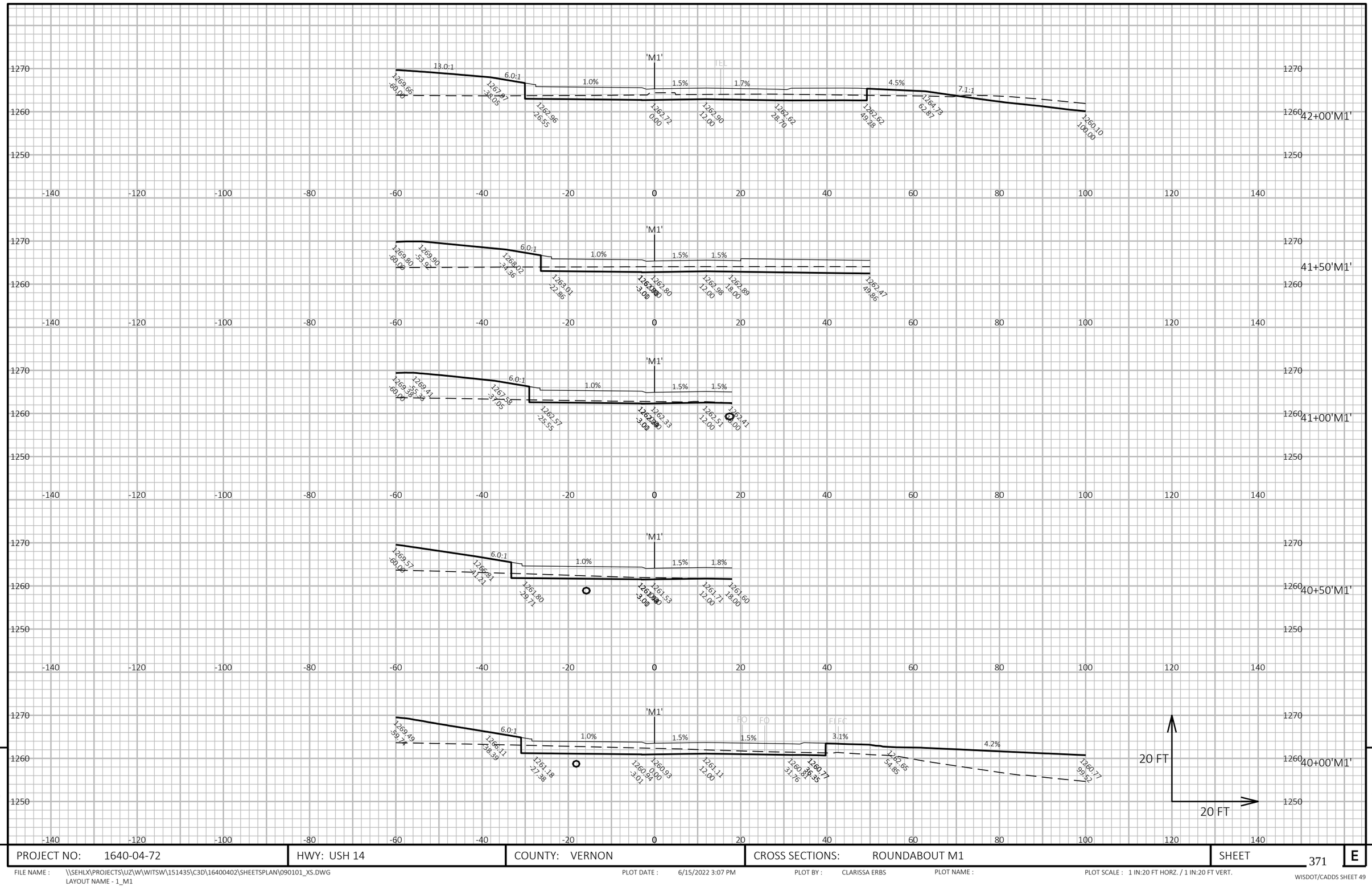
PLOT DATE : 6/15/2022 3:06 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: ROUNDABOUT M1	SHEET 371	E

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LAYOUT NAME - 1_M1

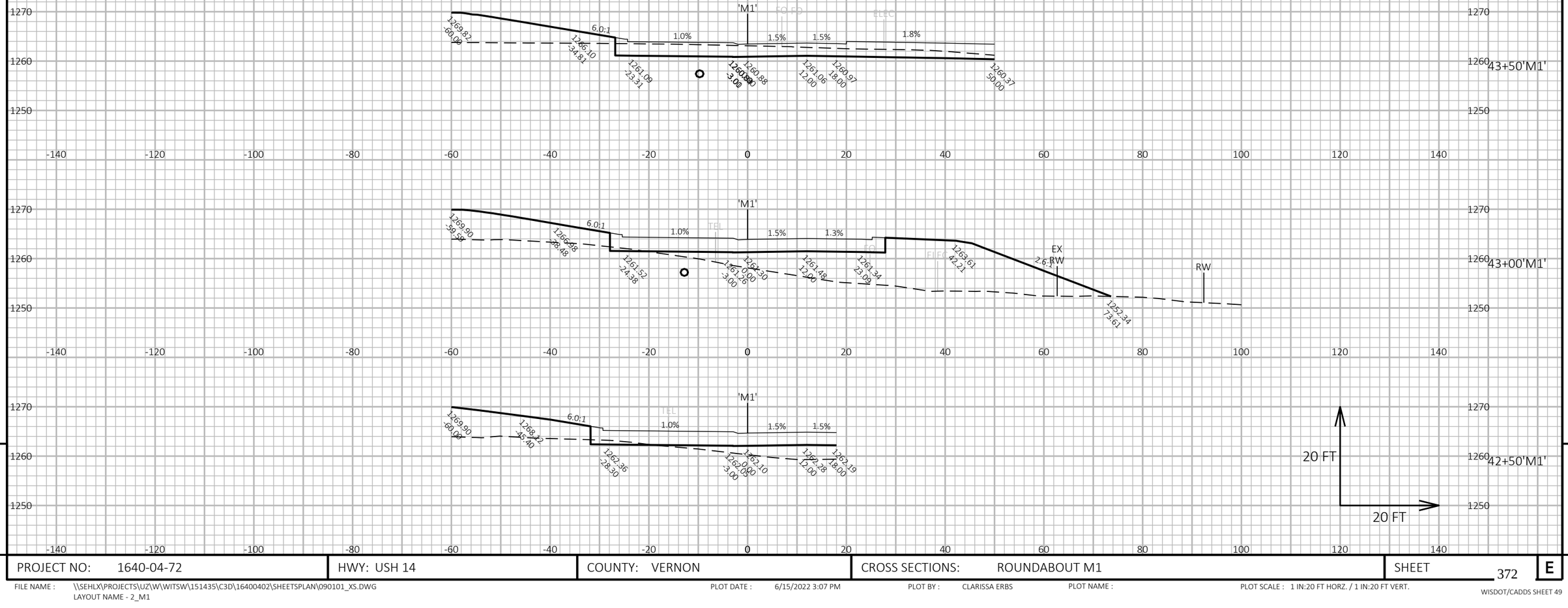
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: ROUNDABOUT M1	SHEET 372	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090101_XS.DWG
LAYOUT NAME - 2_M1

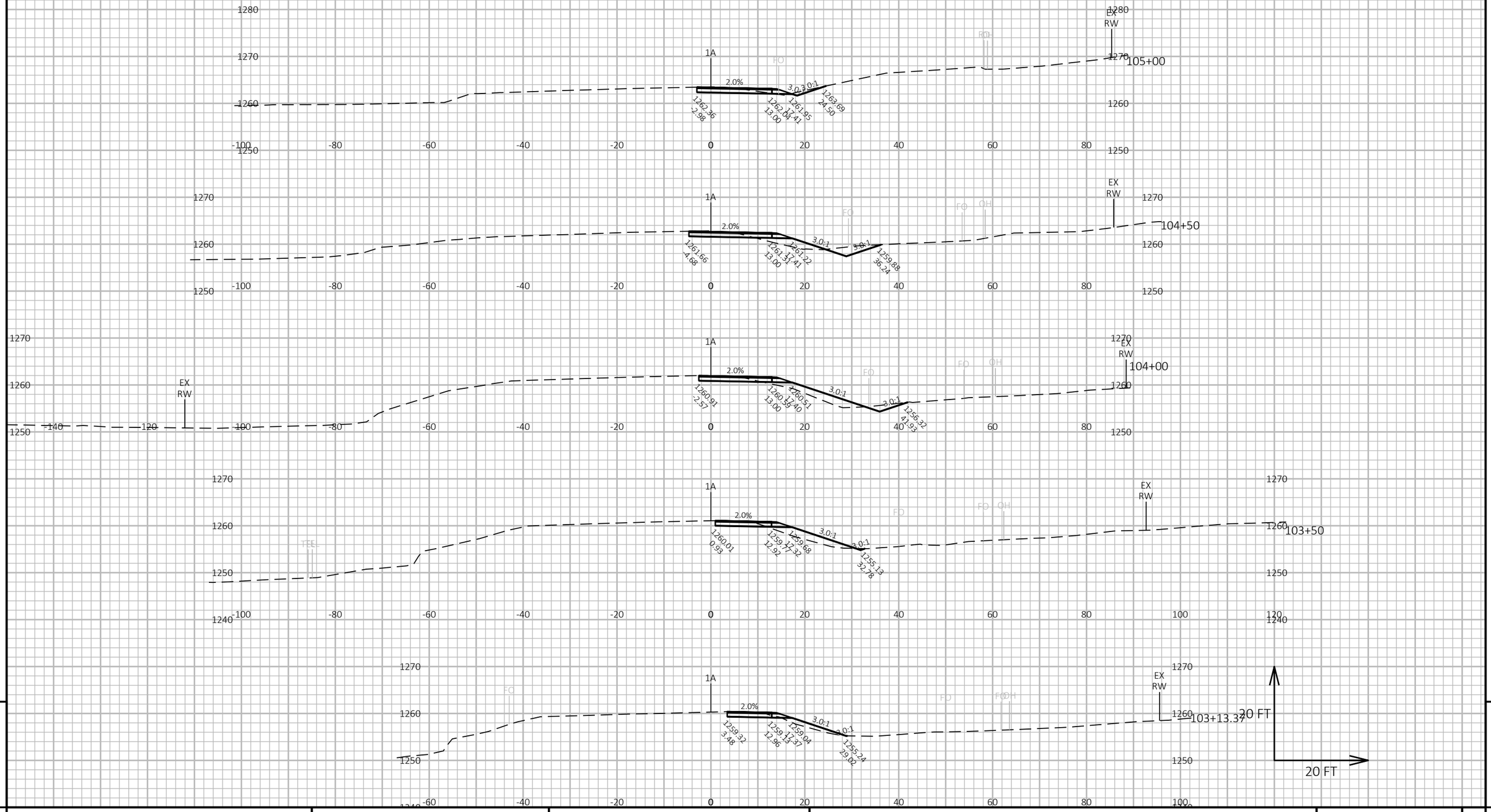
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 373 E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1A-001

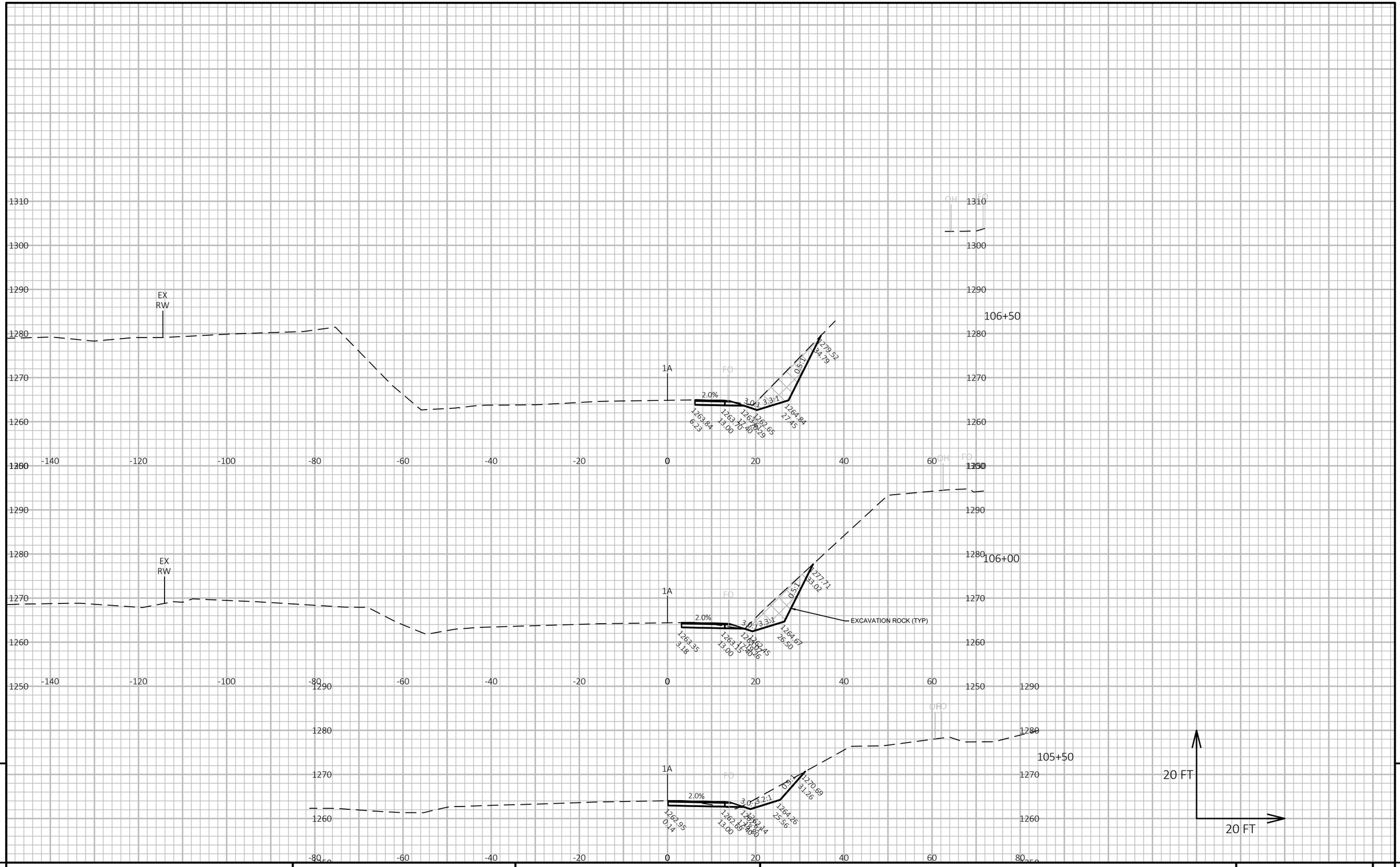
PLOT DATE : 6/15/2022 3:08 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

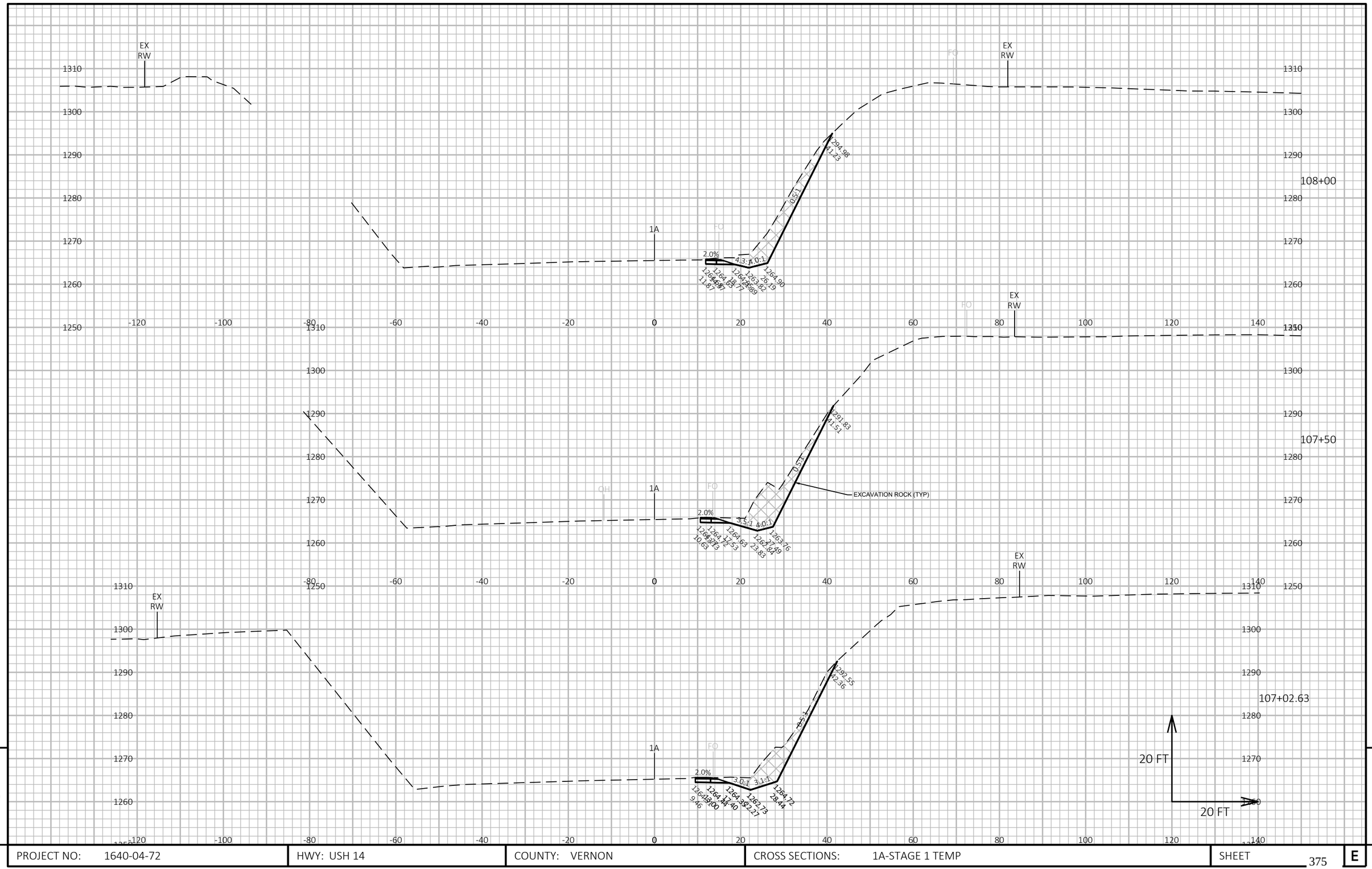


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 374	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1A-002

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



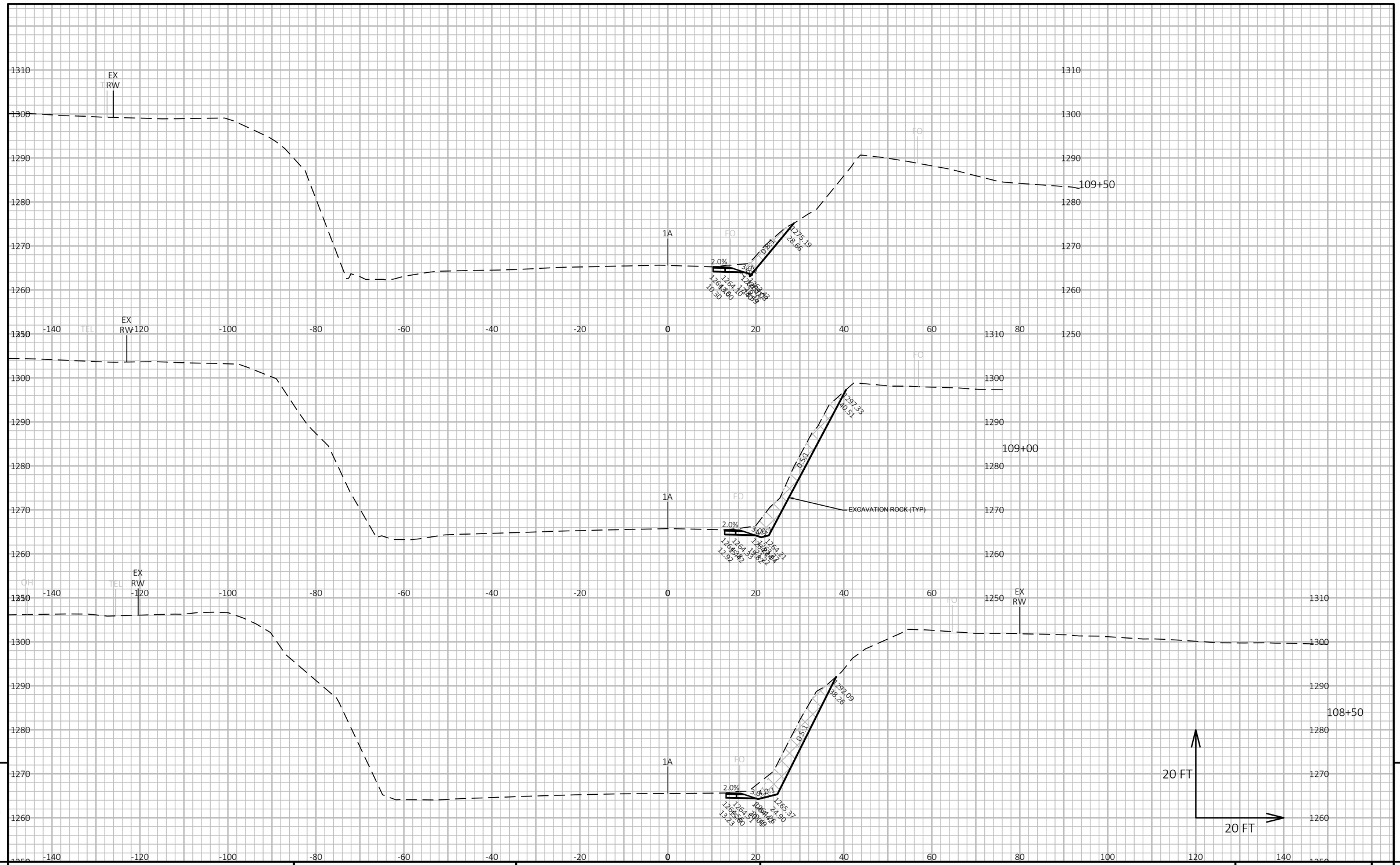
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LAYOUT NAME - 1A-003

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 376	E

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LAYOUT NAME - 1A-004

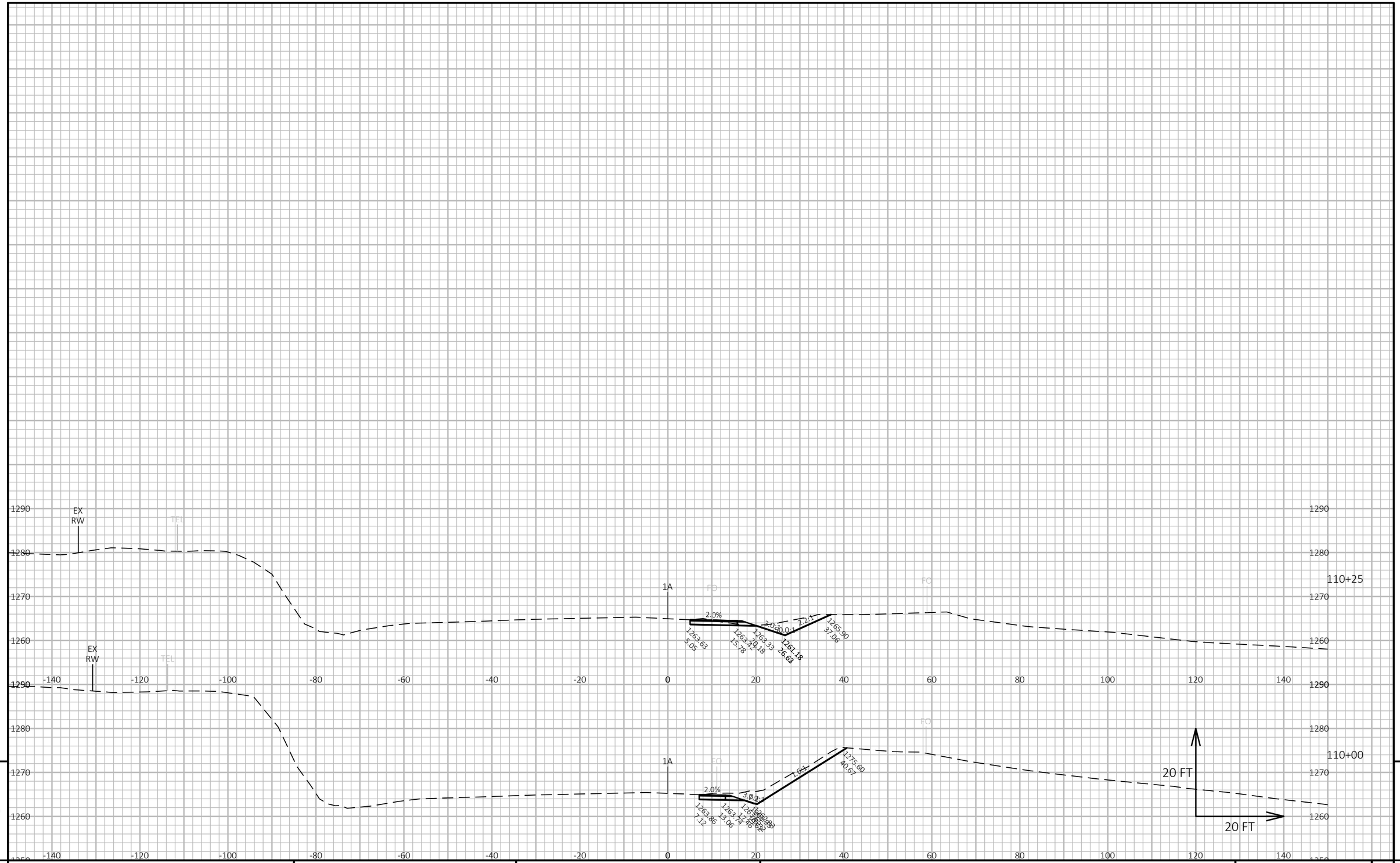
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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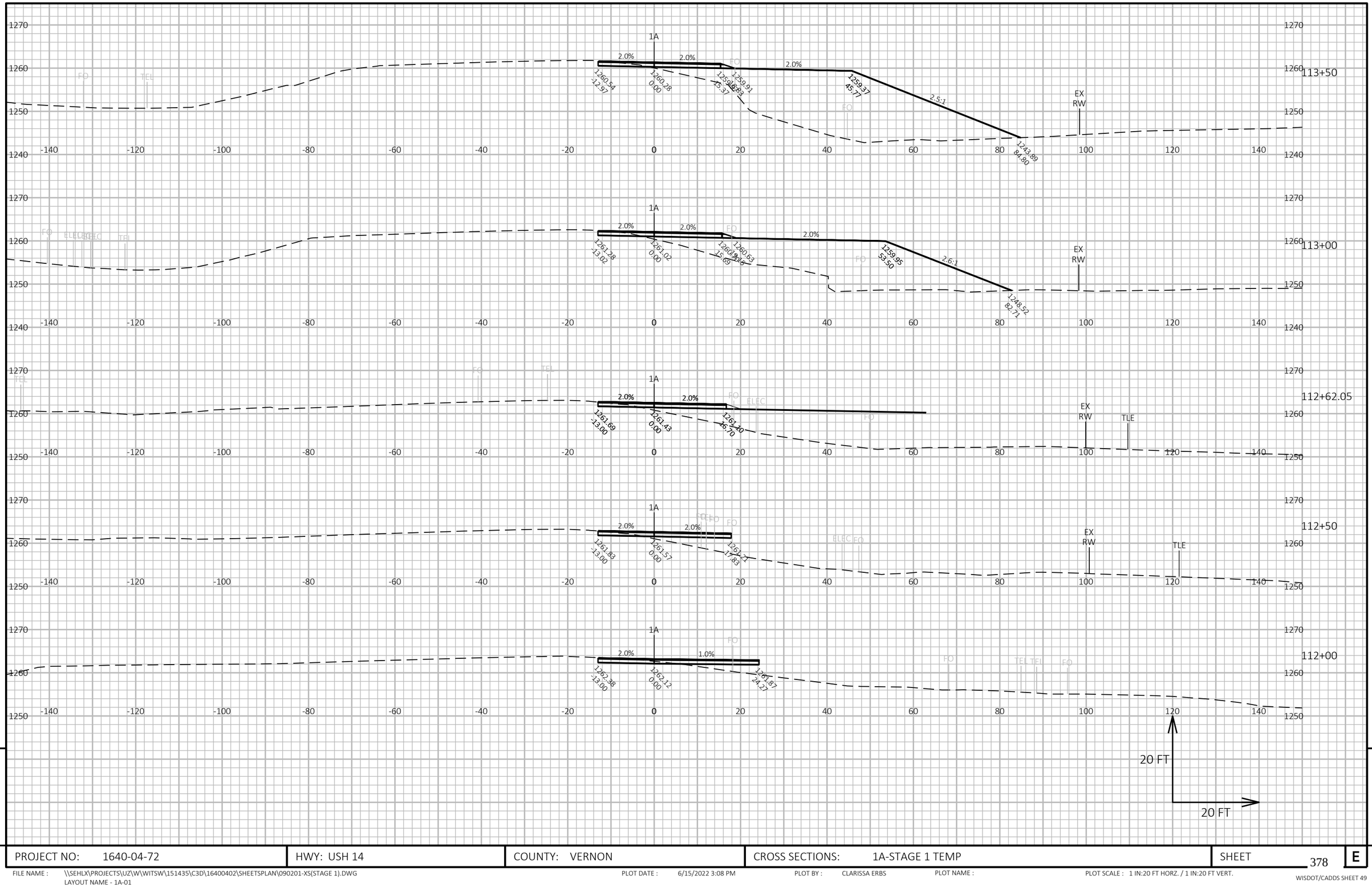
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 377	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1A-005

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 378	E

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LAYOUT NAME - 1A-01

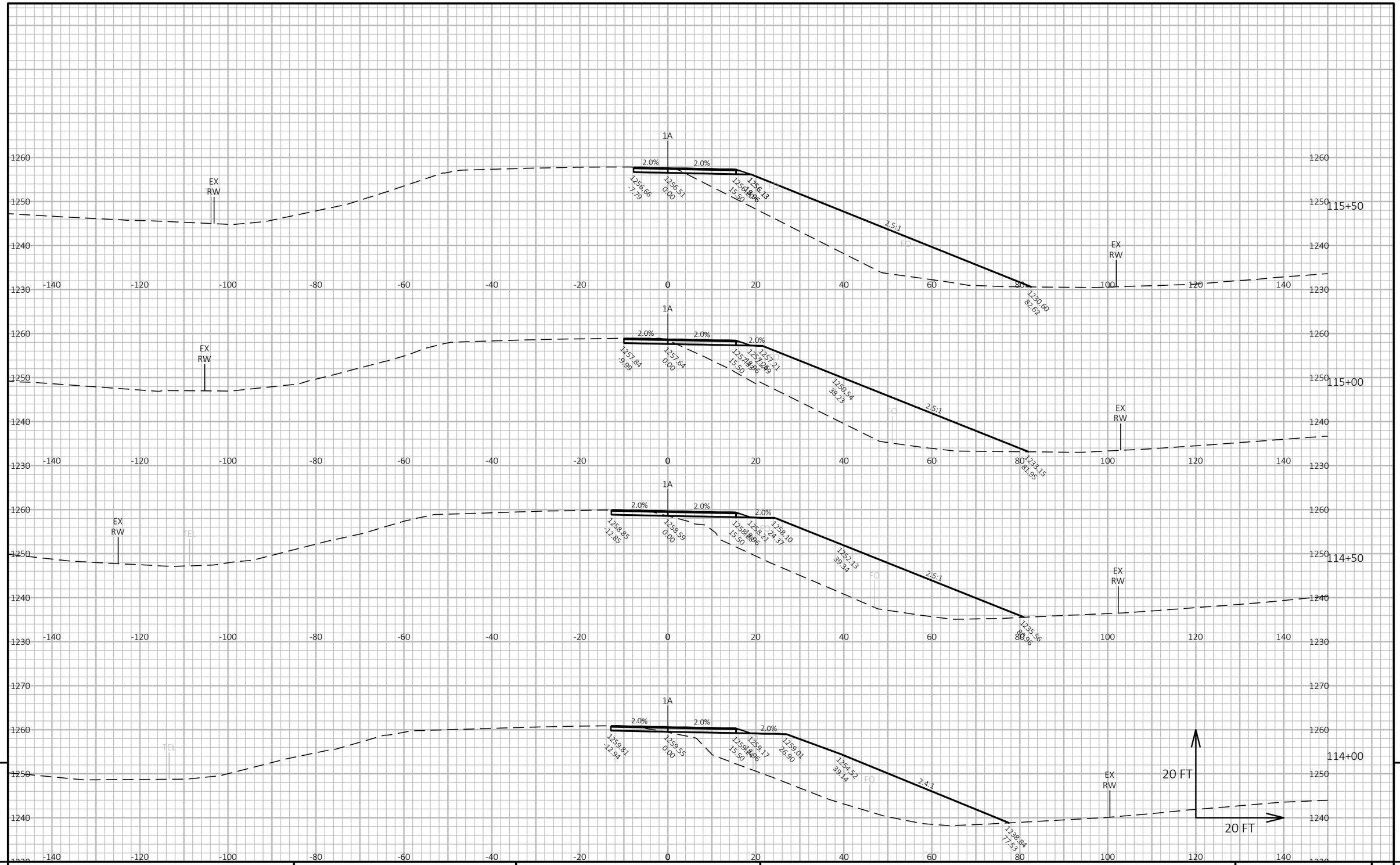
PLOT DATE : 6/15/2022 3:08 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 379	E

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LAYOUT NAME - 1A-02

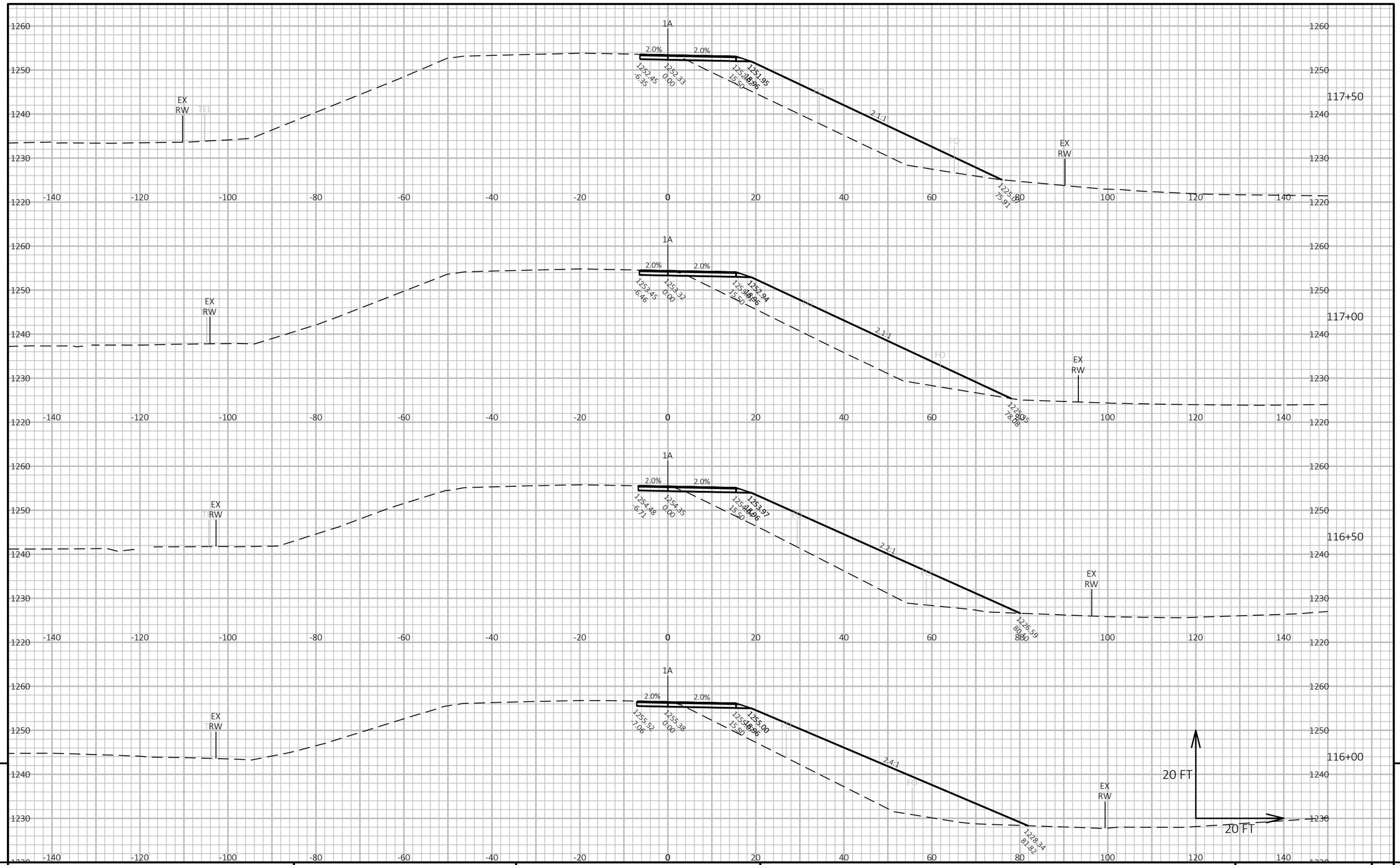
PLOT DATE : 6/15/2022 3:08 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

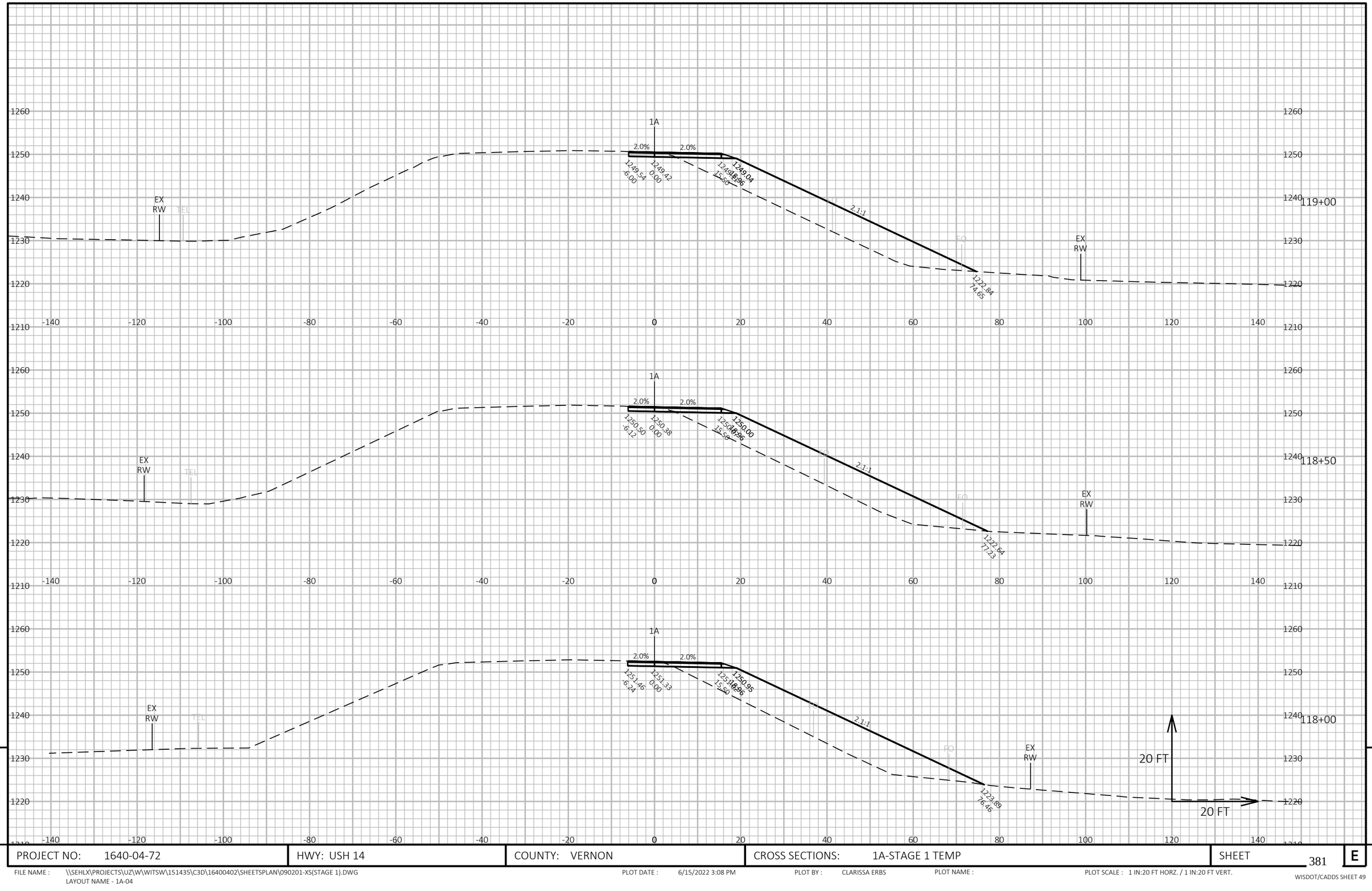


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 380	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1A-03

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 381	E

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LAYOUT NAME - 1A-04

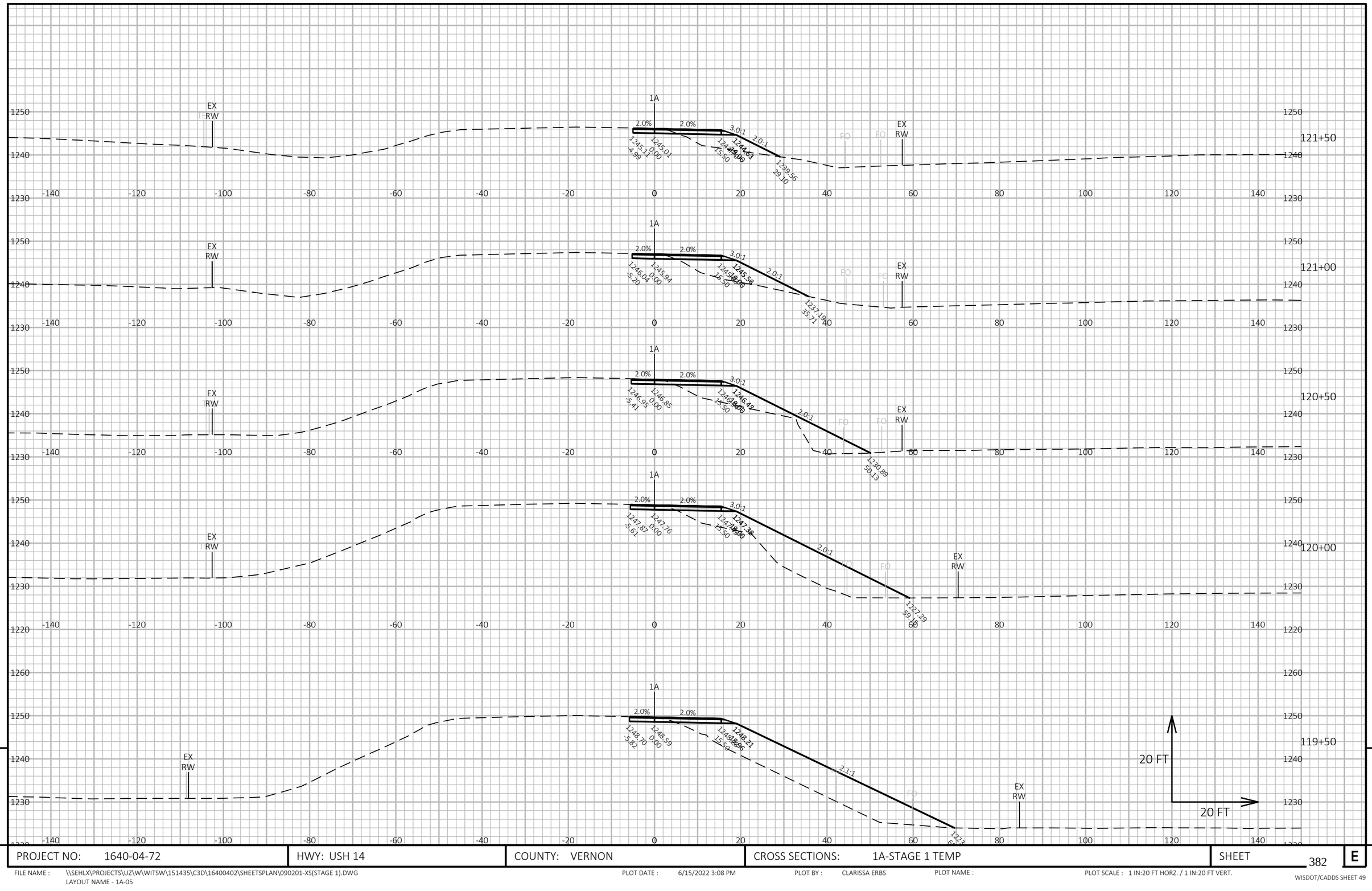
PLOT DATE : 6/15/2022 3:08 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 382	E

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LAYOUT NAME - 1A-05

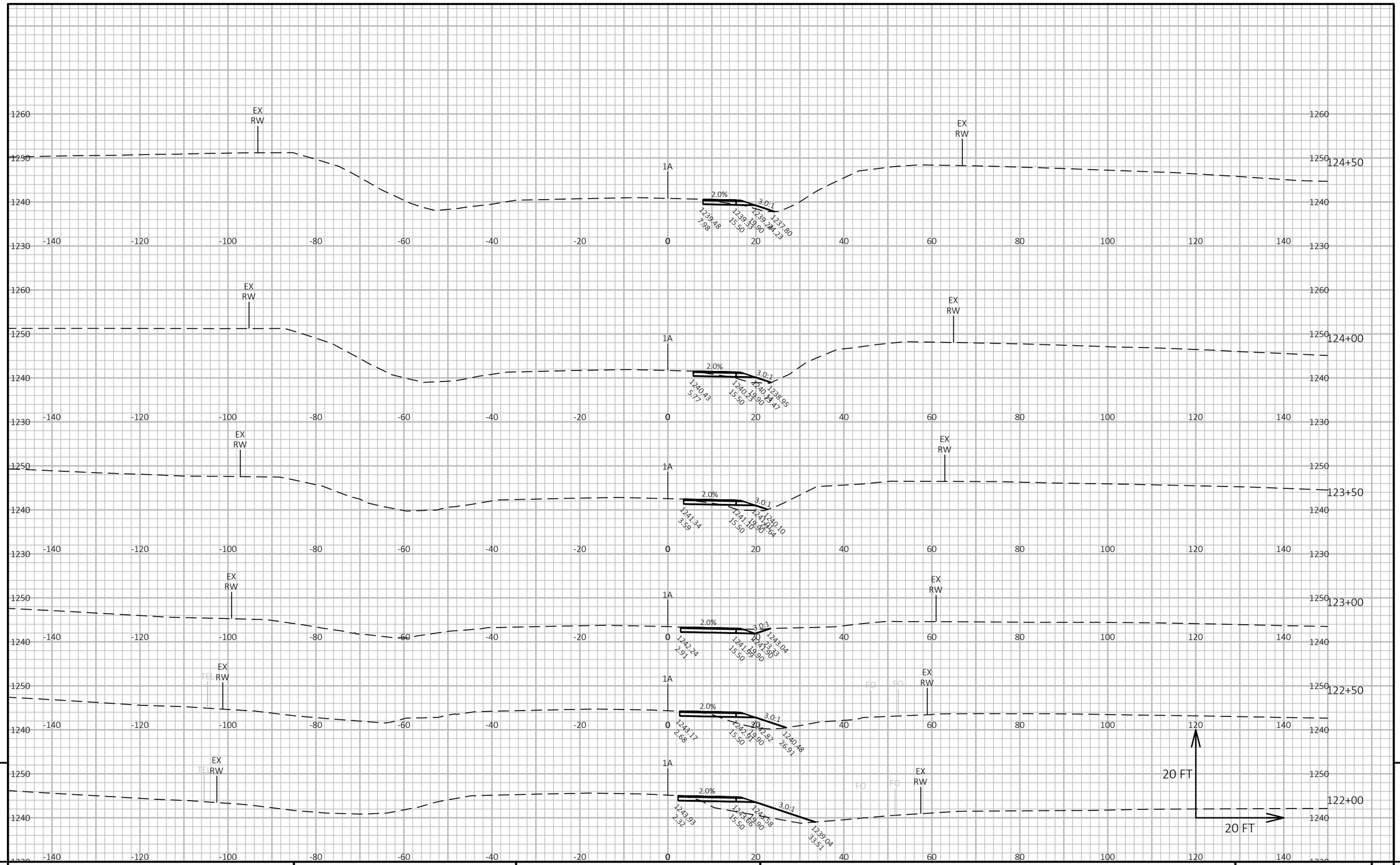
PLOT DATE : 6/15/2022 3:08 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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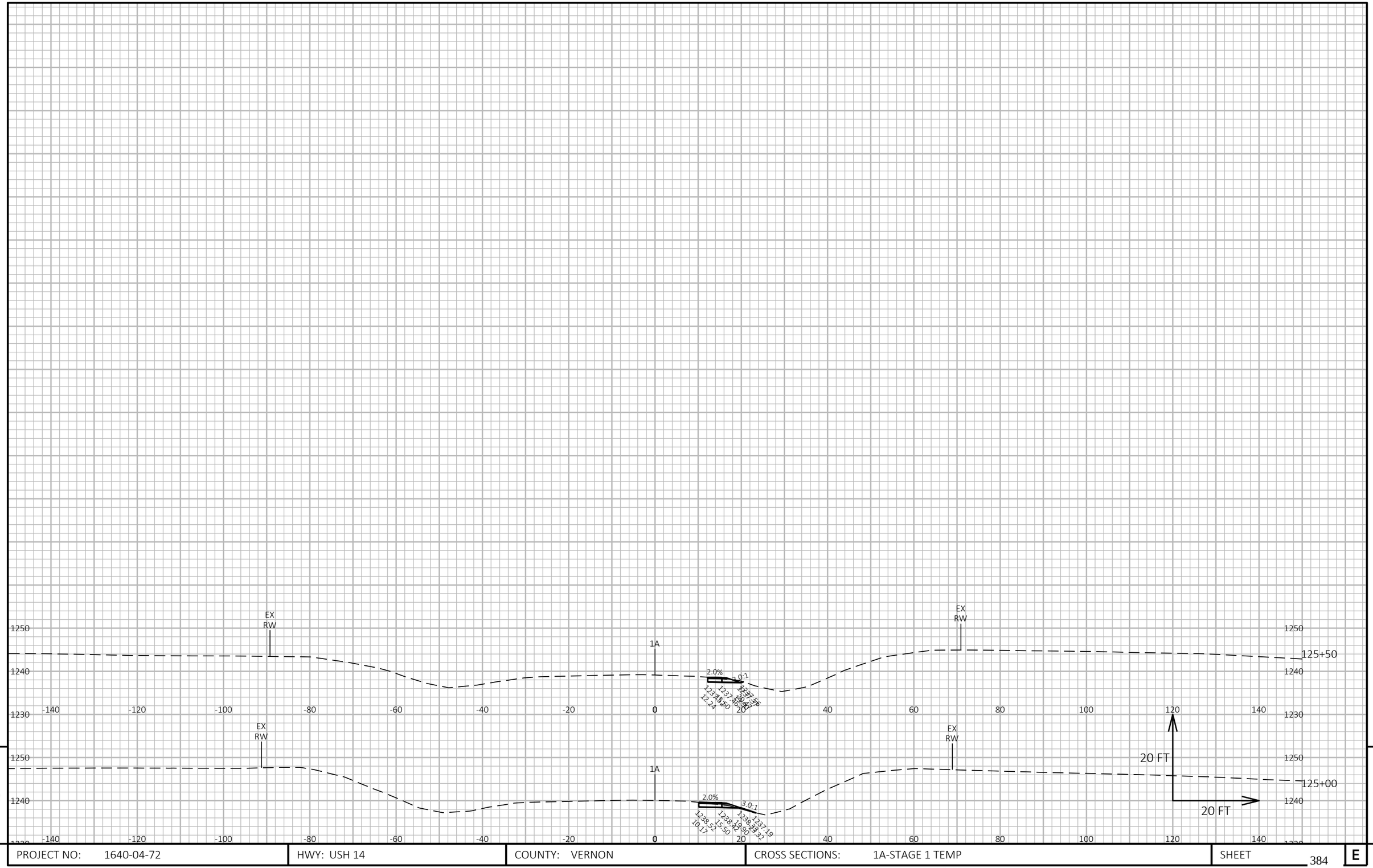
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 383	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1A-06

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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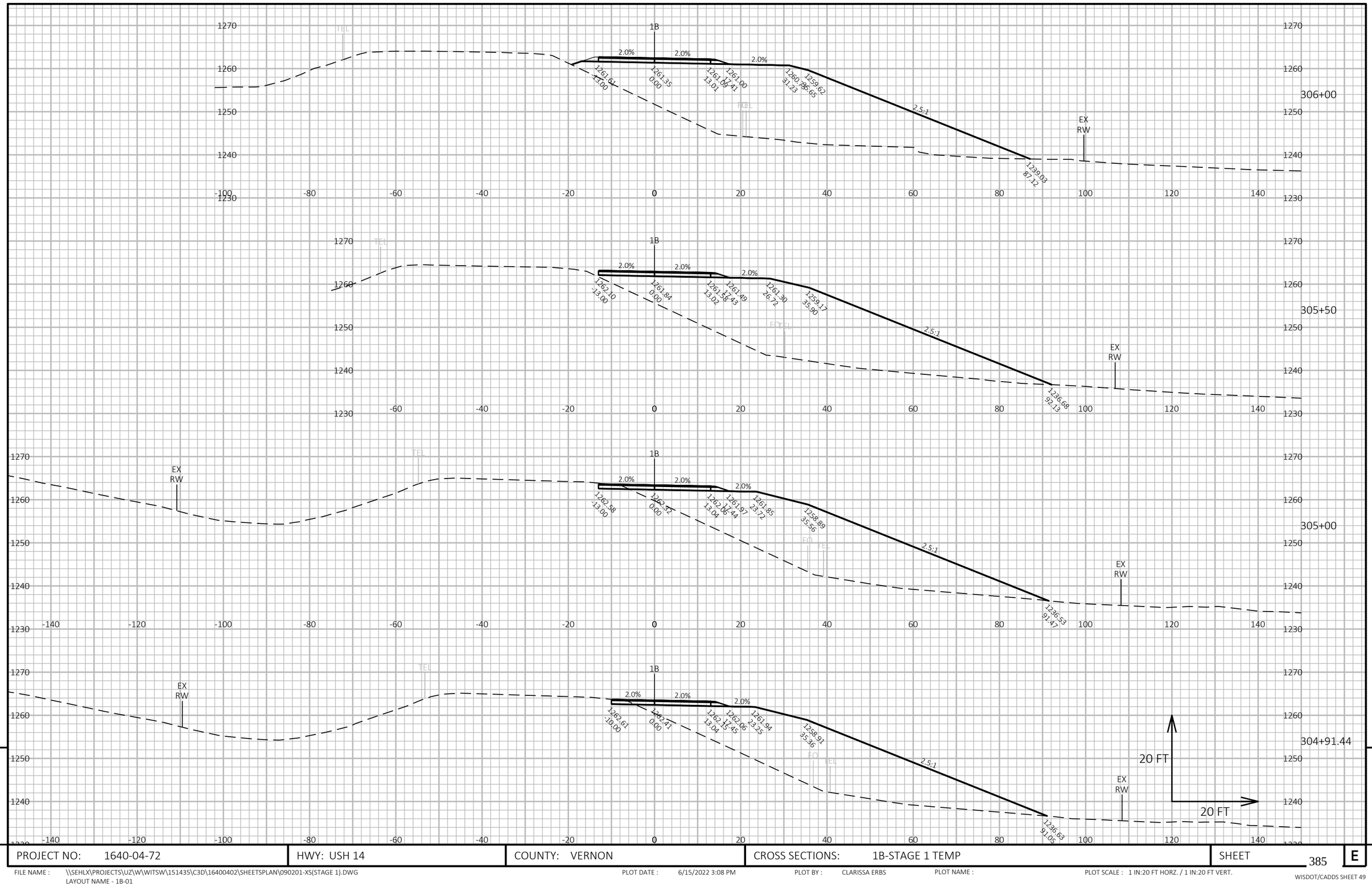
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1A-STAGE 1 TEMP	SHEET 384	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1A-07

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

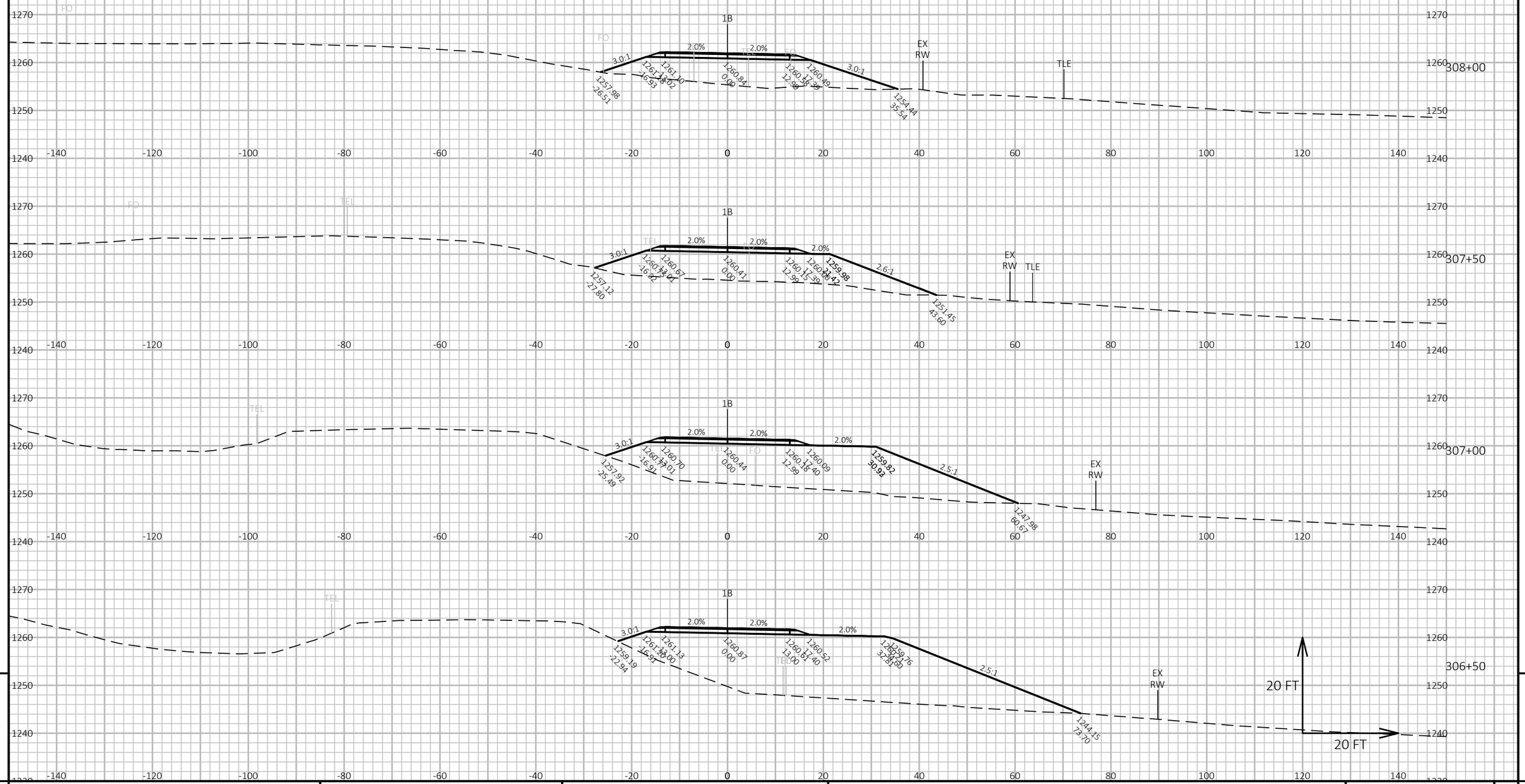


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1B-STAGE 1 TEMP	SHEET 385	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1B-01

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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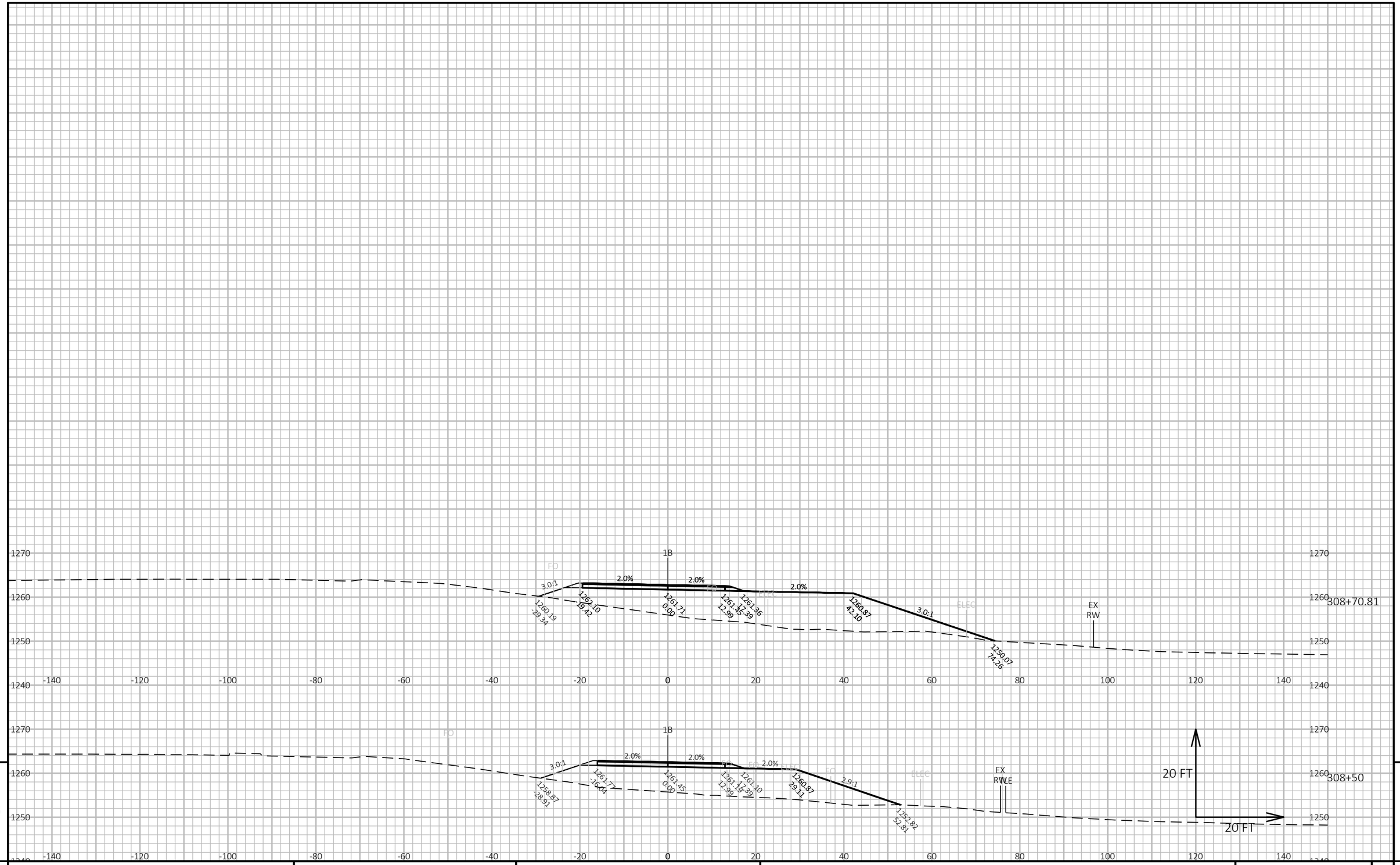
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1B-STAGE 1 TEMP	SHEET 386	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1B-02

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



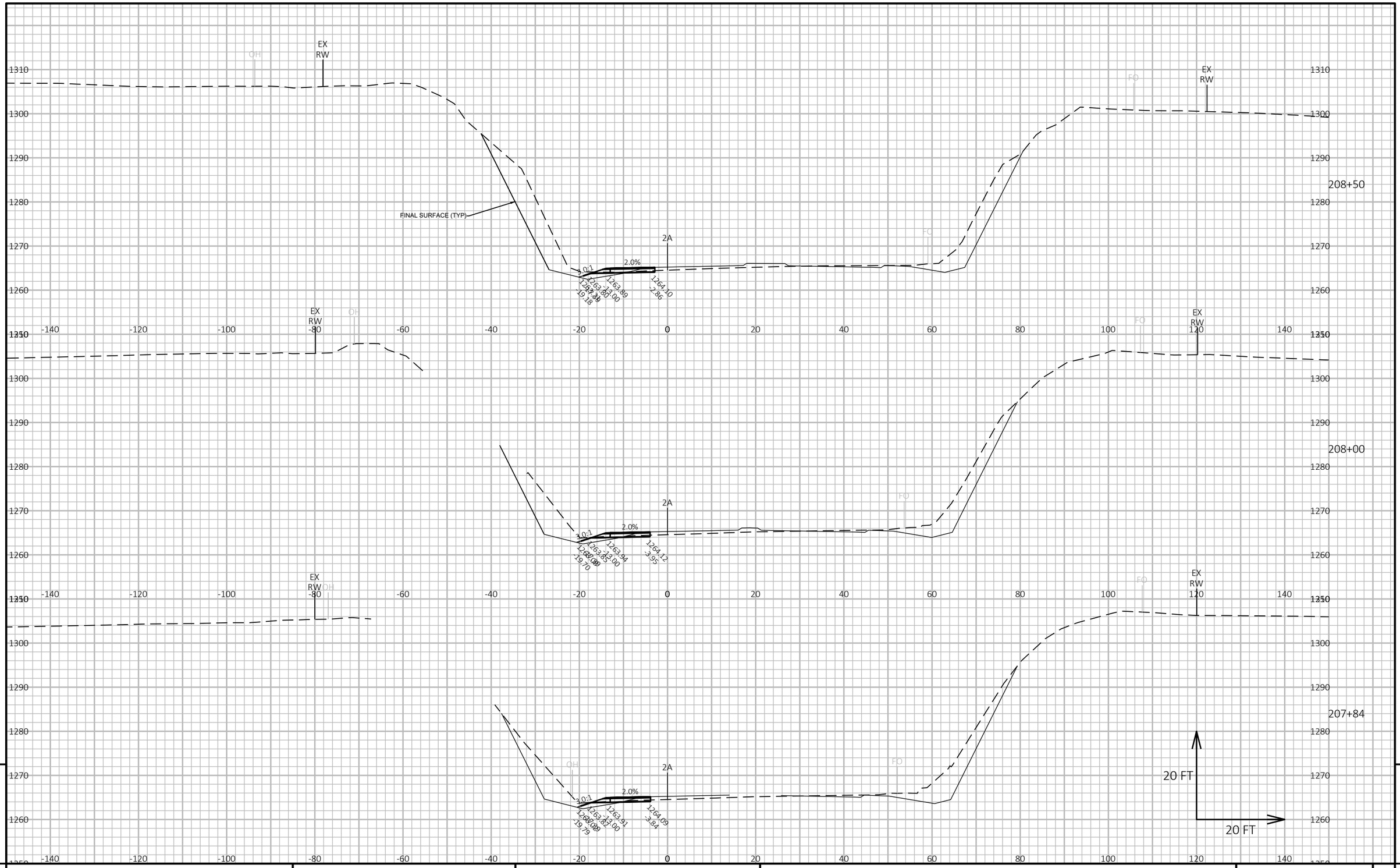
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 1B-STAGE 1 TEMP	SHEET 387	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 1).DWG
LAYOUT NAME - 1B-03

PLOT DATE : 6/15/2022 3:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

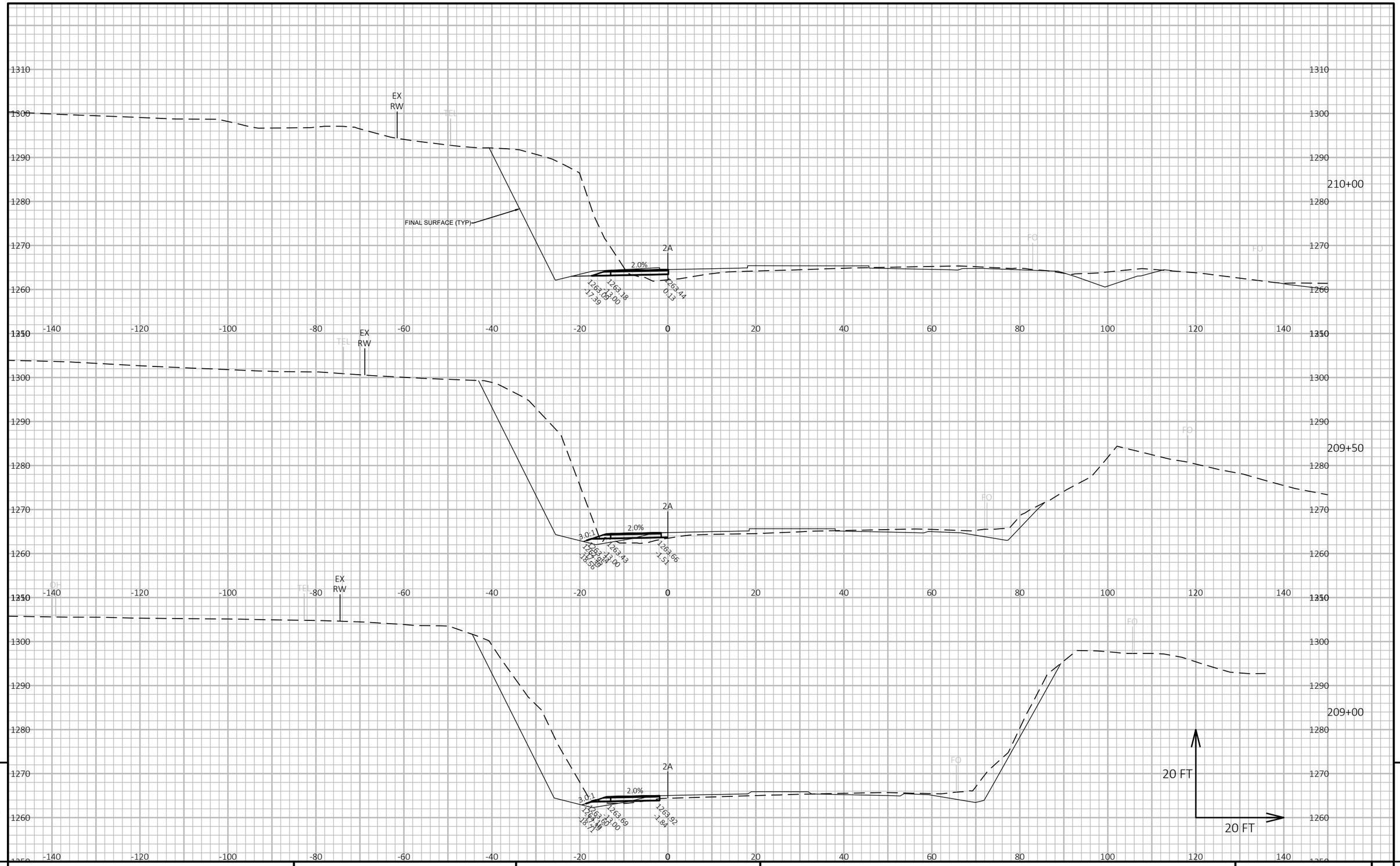


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 2A-STAGE 2 TEMP	SHEET 388 E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 2).DWG
LAYOUT NAME - 2A -001

PLOT DATE : 6/15/2022 3:24 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

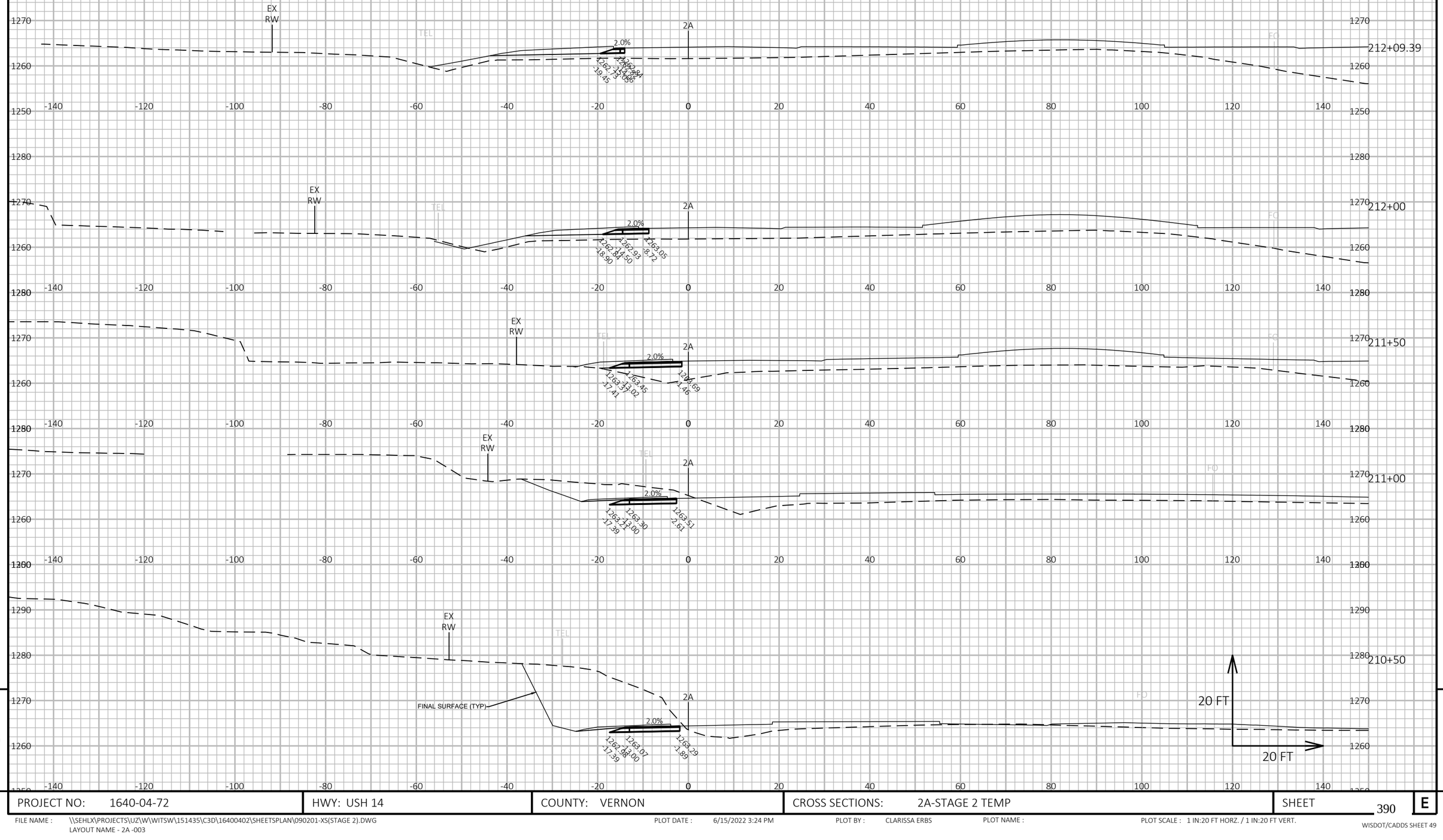


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 2A-STAGE 2 TEMP	SHEET 389 E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 2).DWG
LAYOUT NAME - 2A -002

PLOT DATE : 6/15/2022 3:24 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



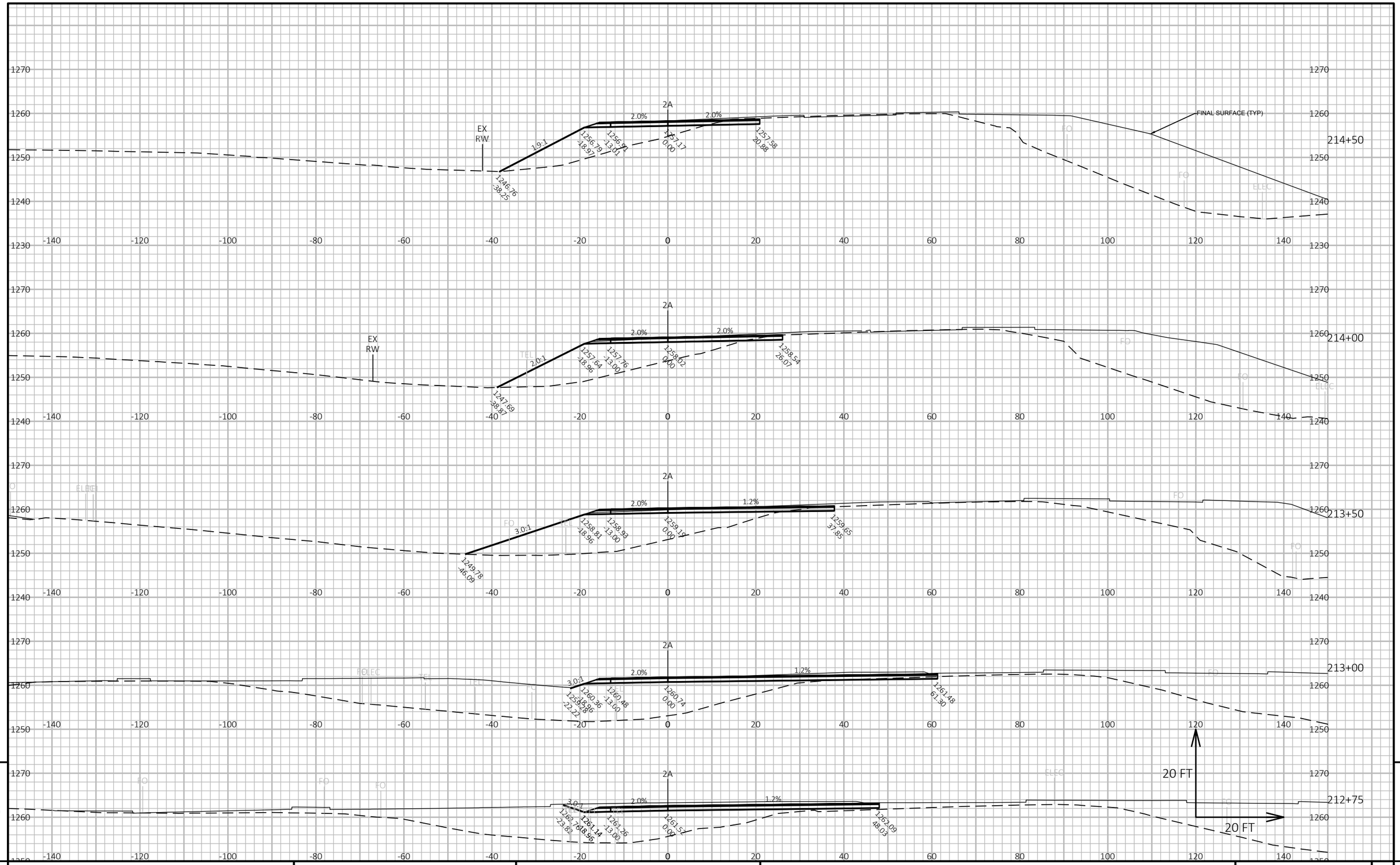
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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 2A-STAGE 2 TEMP	SHEET 390	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 2).DWG
LAYOUT NAME - 2A -003

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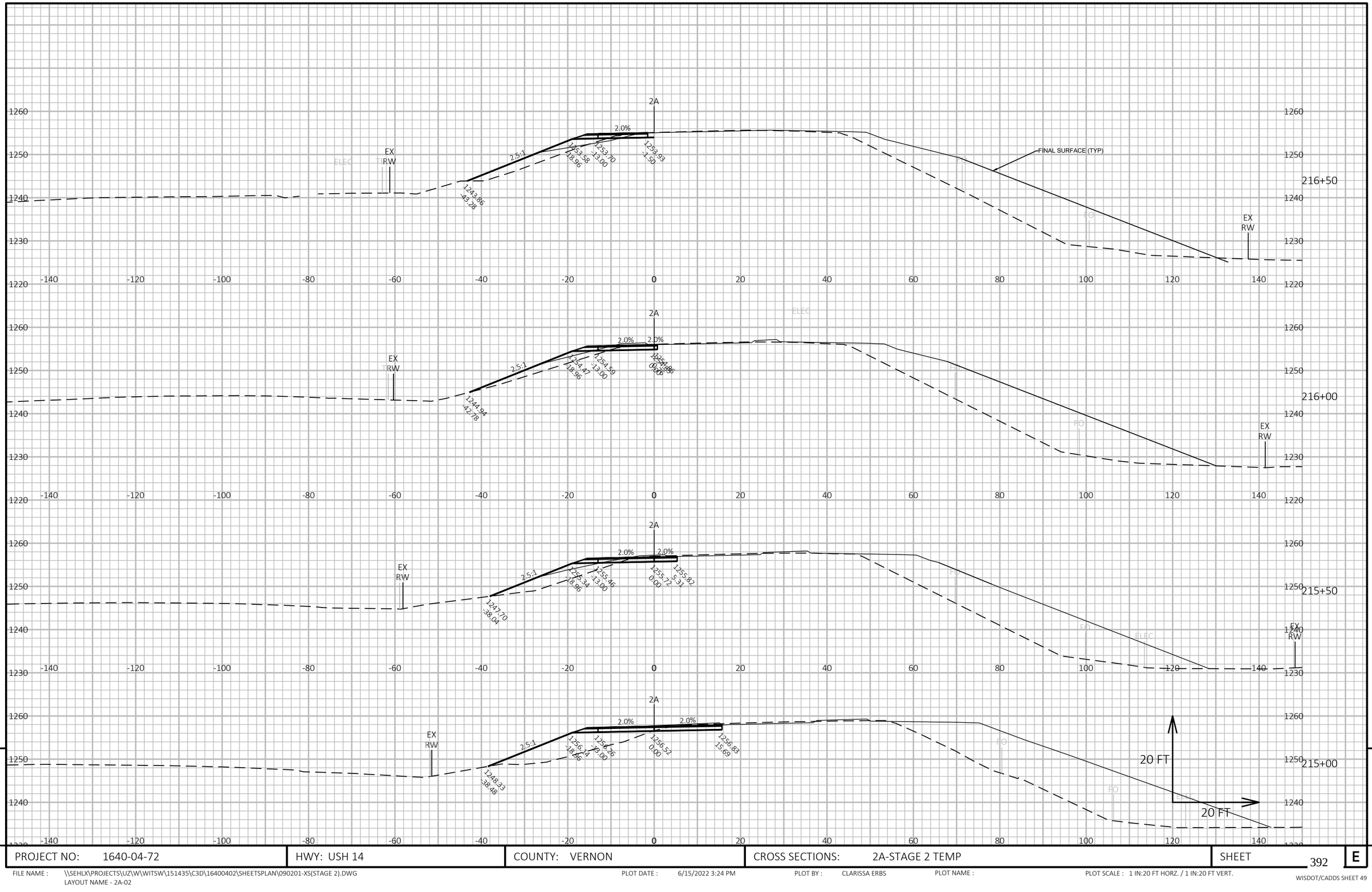


PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 2A-STAGE 2 TEMP	SHEET 391 E

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LAYOUT NAME - 2A-01

PLOT DATE : 6/15/2022 3:24 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 2A-STAGE 2 TEMP	SHEET 392	E

FILE NAME : \\SEHLX\PROJECTS\UZ\W\WITSW\151435\C3D\16400402\SHEETSPLAN\090201-XS(STAGE 2).DWG
LAYOUT NAME - 2A-02

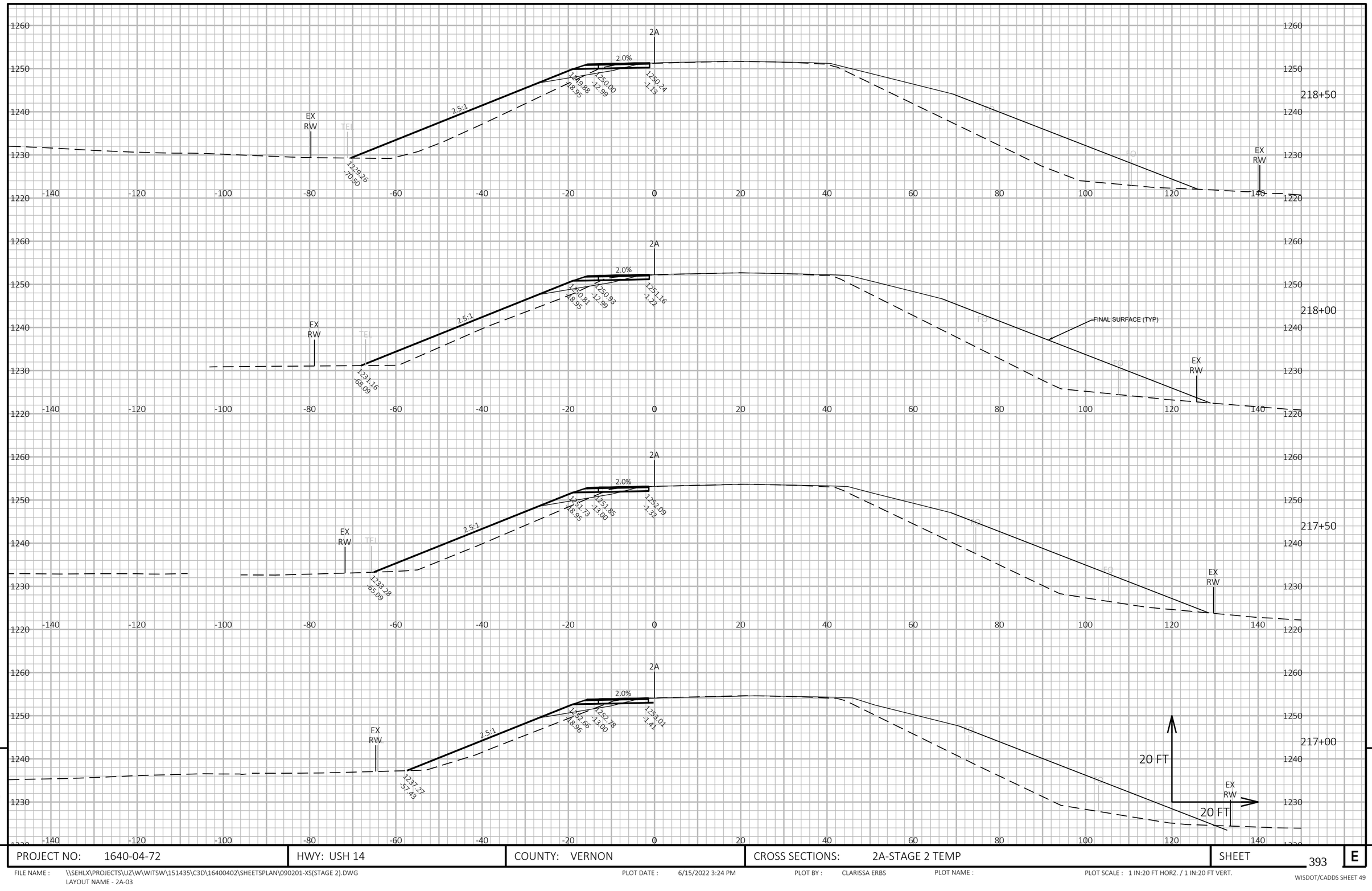
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PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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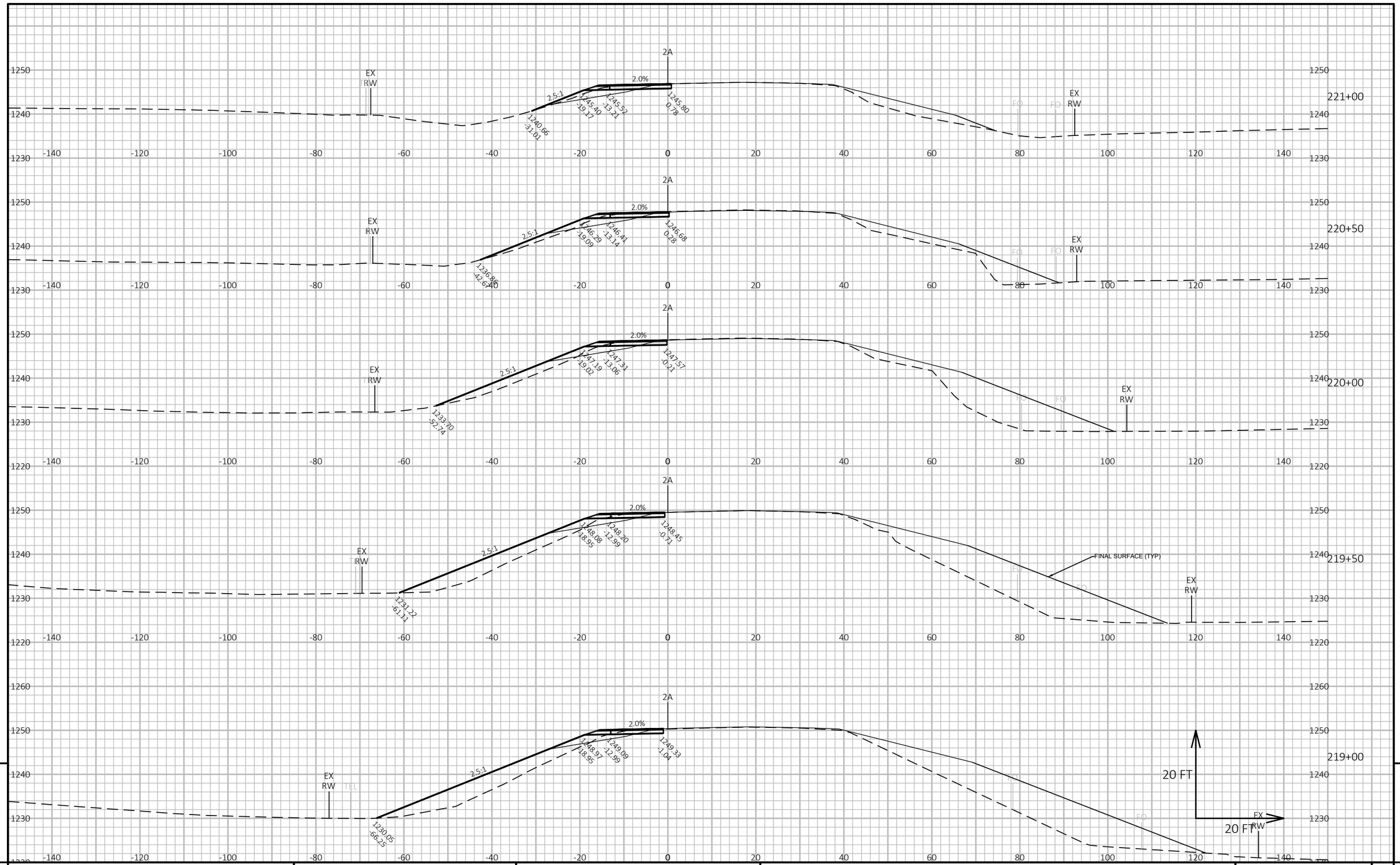
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LAYOUT NAME - 2A-03

PLOT DATE : 6/15/2022 3:24 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

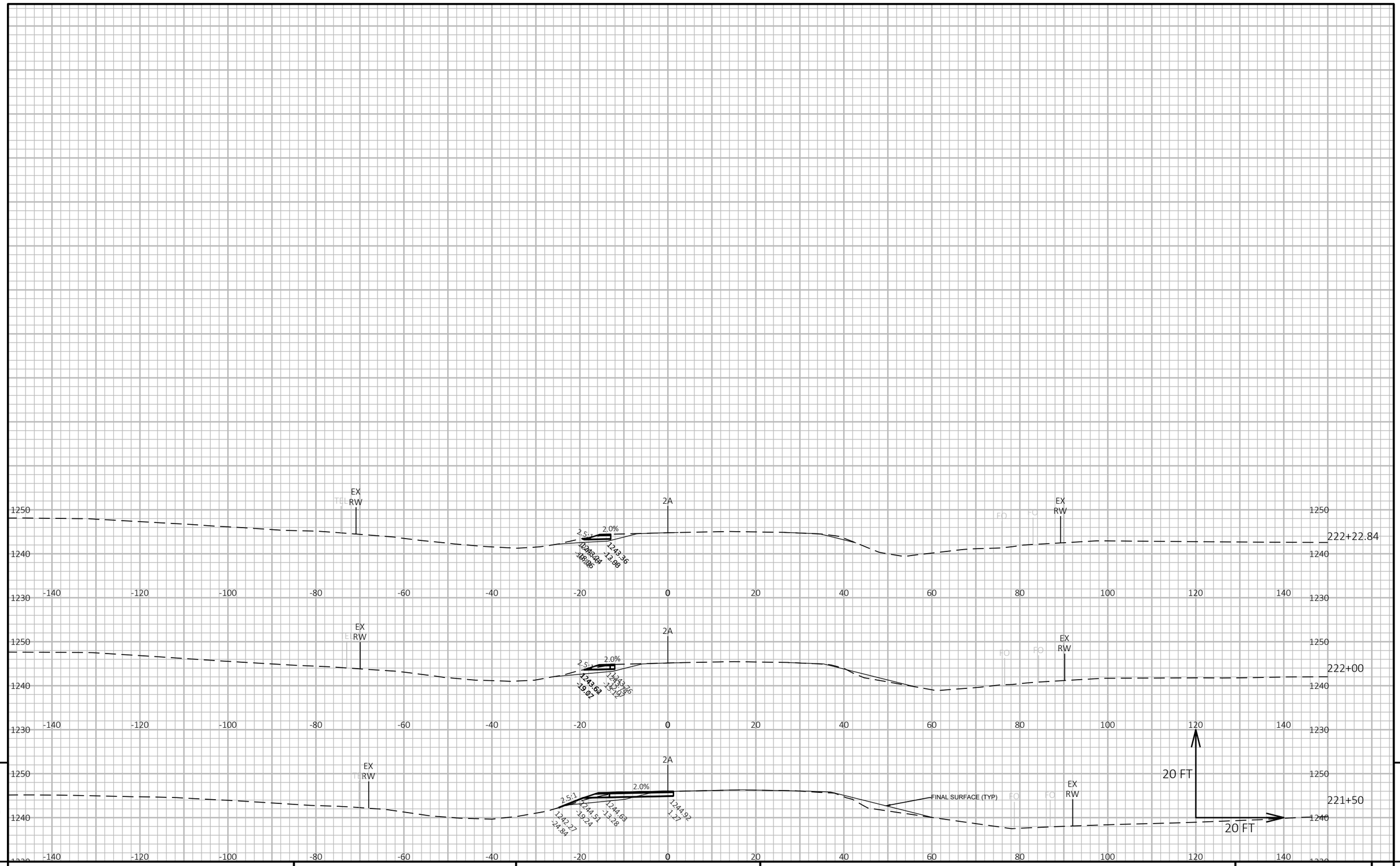


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LAYOUT NAME - 2A-04

PLOT DATE : 6/15/2022 3:24 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1640-04-72	HWY: USH 14	COUNTY: VERNON	CROSS SECTIONS: 2A-STAGE 2 TEMP	SHEET 395	E

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LAYOUT NAME - 2A-05

PLOT DATE : 6/15/2022 3:24 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

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Wisconsin Department of Transportation

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